

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062276.D
 Acq On : 13 May 2019 00:31
 Operator : FY/SY
 Sample : VD0512SBSD02
 Misc : 5.00µg/5mL/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

Quant Time: May 13 03:16:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	647128	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	907955	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	737988	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	385366	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	302259	50.26	ug/l	0.04
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	6.94	113	359162	47.68	ug/l	0.04
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	10.42	98	717781	39.52	ug/l	0.02
Spiked Amount	50.000		Recovery	=	79.04%	
62) 4-Bromofluorobenzene	13.56	95	338698	46.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	92.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	126312	20.408	ug/l	98
3) Chloromethane	1.75	50	84470	18.888	ug/l	100
4) Vinyl Chloride	1.86	62	83607	19.022	ug/l	98
5) Bromomethane	2.15	94	31099	30.197	ug/l	85
6) Chloroethane	2.26	64	38416	20.830	ug/l	98
7) Trichlorofluoromethane	2.53	101	208572	24.409	ug/l	98
8) Diethyl Ether	2.88	74	31055	18.844	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.16	101	140072	21.670	ug/l	97
10) Methyl Iodide	3.32	142	146316	14.977	ug/l #	82
11) Tert butyl alcohol	4.09	59	33551	109.296	ug/l #	91
12) 1,1-Dichloroethene	3.14	96	91298	18.503	ug/l	82
13) Acrolein	3.05	56	23421	73.766	ug/l	90
14) Allyl chloride	3.63	41	145969	20.346	ug/l #	77
15) Acrylonitrile	4.21	53	80190	99.384	ug/l #	80
16) Acetone	3.24	43	119335	94.623	ug/l #	87
17) Carbon Disulfide	3.39	76	230263	16.222	ug/l	99
18) Methyl Acetate	3.65	43	53884	23.730	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	223763	21.157	ug/l	94
20) Methylene Chloride	3.82	84	101469	19.269	ug/l	89
21) trans-1,2-Dichloroethene	4.23	96	102729	18.710	ug/l	94
22) Diisopropyl ether	5.14	45	319172	20.906	ug/l	93
23) Vinyl Acetate	5.07	43	914470	113.529	ug/l	96
24) 1,1-Dichloroethane	5.00	63	207596	22.540	ug/l	98
25) 2-Butanone	6.09	43	142957	103.921	ug/l	97
26) 2,2-Dichloropropane	6.04	77	198339	21.619	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	120597	19.622	ug/l	91
28) Bromochloromethane	6.46	49	88935	24.544	ug/l	92
29) Tetrahydrofuran	6.48	42	71829	113.325	ug/l	93
30) Chloroform	6.68	83	252850	22.780	ug/l	96
31) Cyclohexane	6.97	56	114997	18.225	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	258498	24.639	ug/l	99
36) 1,1-Dichloropropene	7.15	75	162975	21.892	ug/l	94
37) Ethyl Acetate	6.20	43	66163	20.957	ug/l #	92
38) Carbon Tetrachloride	7.12	117	252096	24.467	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062276.D
 Acq On : 13 May 2019 00:31
 Operator : FY/SY
 Sample : VD0512SBSD02
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

Quant Time: May 13 03:16:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.88	83	135750	19.032	ug/l	92
40) Benzene	7.47	78	324292	19.291	ug/l	100
41) Methacrylonitrile	6.47	41	88577	22.959	ug/l #	80
42) 1,2-Dichloroethane	7.59	62	171286	24.049	ug/l	91
43) Isopropyl Acetate	9.25	43	94544	21.116	ug/l #	88
44) Trichloroethene	8.55	130	128116	20.000	ug/l	83
45) 1,2-Dichloropropane	8.95	63	82418	19.821	ug/l	97
46) Dibromomethane	9.07	93	73214	21.653	ug/l	97
47) Bromodichloromethane	9.39	83	187112	22.624	ug/l	98
48) Methyl methacrylate	9.13	41	64812	23.500	ug/l #	86
49) 1,4-Dioxane	9.08	88	12163	408.752	ug/l	89
51) 4-Methyl-2-Pentanone	10.31	43	324466	112.735	ug/l	94
52) Toluene	10.52	92	228447	20.887	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	156127	21.842	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	151959	19.487	ug/l #	86
55) 1,1,2-Trichloroethane	11.20	97	84114	21.735	ug/l	93
56) Ethyl methacrylate	11.05	69	76165	18.940	ug/l #	82
57) 1,3-Dichloropropane	11.42	76	121330	20.753	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	248648	113.195	ug/l	99
59) 2-Hexanone	11.54	43	235115	110.836	ug/l	90
60) Dibromochloromethane	11.69	129	146320	21.878	ug/l	99
61) 1,2-Dibromoethane	11.82	107	101566	21.587	ug/l	96
64) Tetrachloroethene	11.27	164	124939	21.650	ug/l	95
65) Chlorobenzene	12.41	112	269445	19.603	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	138033	23.074	ug/l	91
67) Ethyl Benzene	12.53	91	498818	21.677	ug/l	95
68) m/p-Xylenes	12.67	106	341868	40.834	ug/l	88
69) o-Xylene	13.06	106	172226	22.127	ug/l	79
70) Styrene	13.08	104	273781	20.764	ug/l	95
71) Bromoform	13.24	173	88930	21.367	ug/l	99
73) Isopropylbenzene	13.41	105	477089	20.653	ug/l	96
74) N-amyl acetate	13.28	43	135157	22.317	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	94046	21.505	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	109936	24.005	ug/l	96
77) Bromobenzene	13.68	156	145010	22.425	ug/l	94
78) n-propylbenzene	13.78	91	599128	21.742	ug/l	93
79) 2-Chlorotoluene	13.85	91	372168	23.582	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	431364	22.176	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	24133	18.666	ug/l #	79
82) 4-Chlorotoluene	13.95	91	417180	22.464	ug/l	88
83) tert-Butylbenzene	14.20	119	443085	20.266	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	451908	23.151	ug/l	89
85) sec-Butylbenzene	14.38	105	476614	19.882	ug/l	100
86) p-Isopropyltoluene	14.50	119	497236	23.216	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	259855	21.998	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	239237	20.612	ug/l	94
89) n-Butylbenzene	14.80	91	454267	23.630	ug/l	95
90) Hexachloroethane	15.02	117	124169	21.319	ug/l	65
91) 1,2-Dichlorobenzene	14.81	146	229543	23.595	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	16123	22.460	ug/l	71

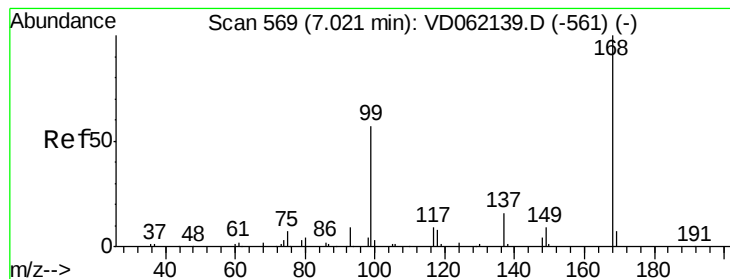
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
Data File : VD062276.D
Acq On : 13 May 2019 00:31
Operator : FY/SY
Sample : VD0512SBSD02
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

Quant Time: May 13 03:16:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	174507	24.644	ug/l	97
94) Hexachlorobutadiene	16.04	225	127383	24.187	ug/l	98
95) Naphthalene	16.13	128	229303	23.195	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	118685	26.658	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

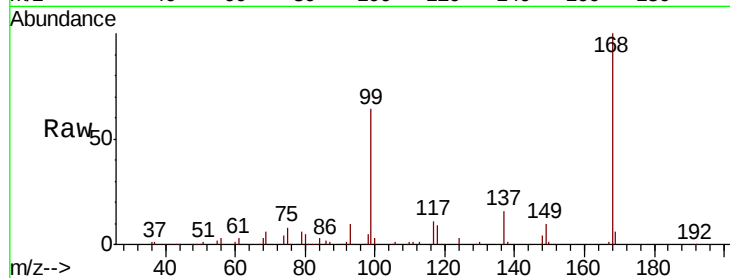
VD0512SBSD02

Tot Ion:168 Resp: 647128

Ion Ratio Lower Upper

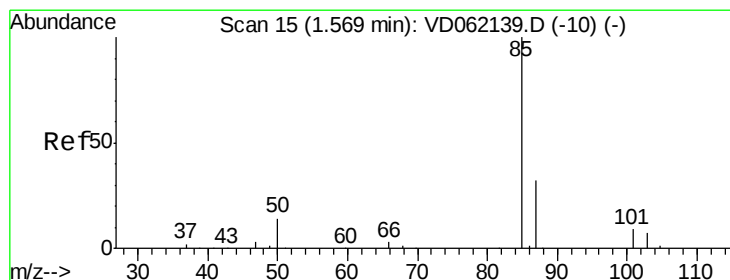
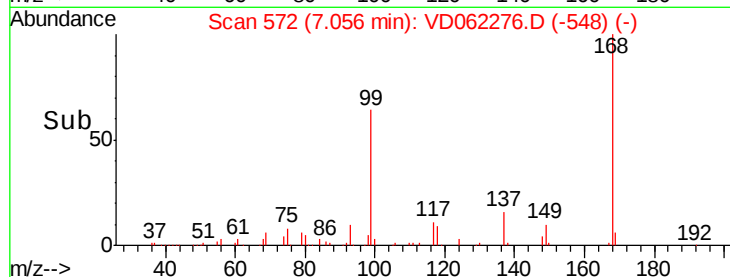
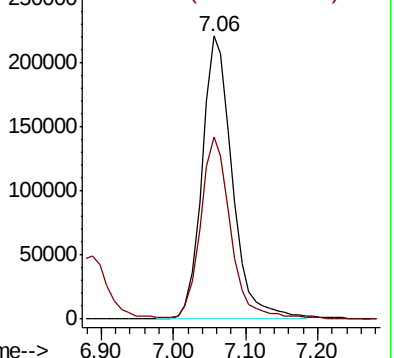
168 100

99 64.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.408 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062276.D

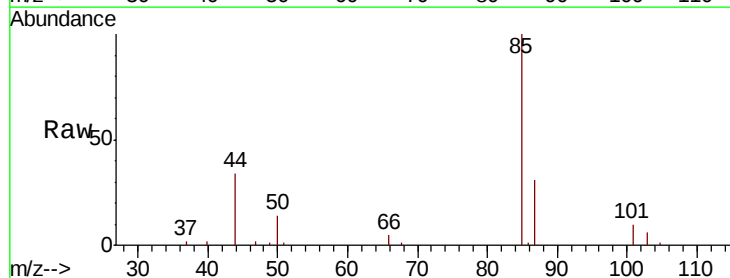
Acq: 13 May 2019 00:31

Tgt Ion: 85 Resp: 126312

Ion Ratio Lower Upper

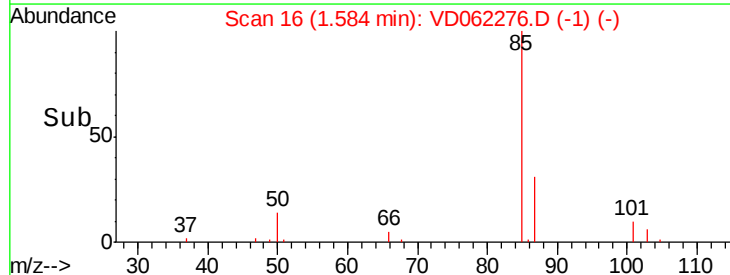
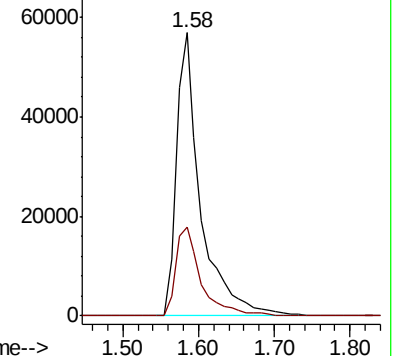
85 100

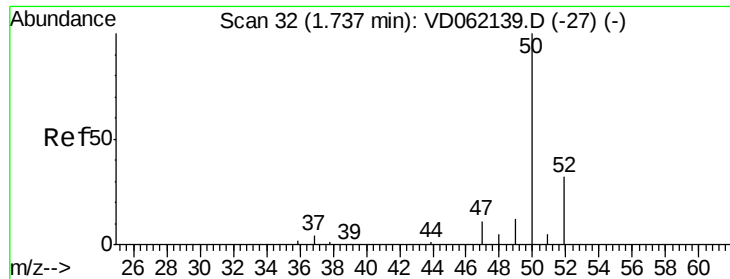
87 31.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.888 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

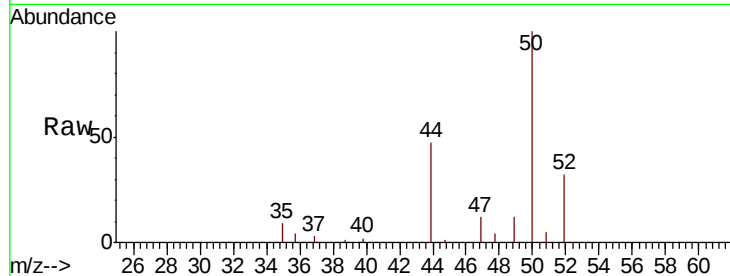
VD0512SBSD02

Tot Ion: 50 Resp: 84470

Ion Ratio Lower Upper

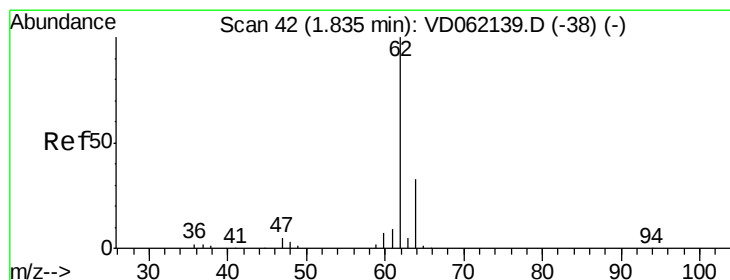
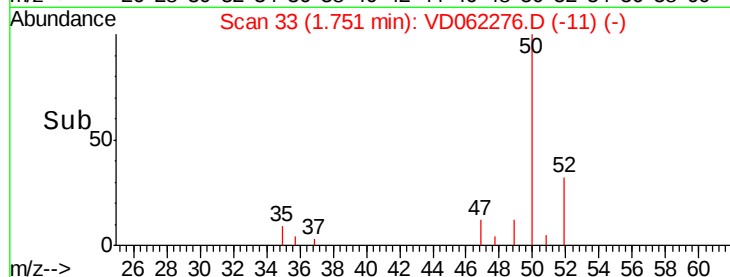
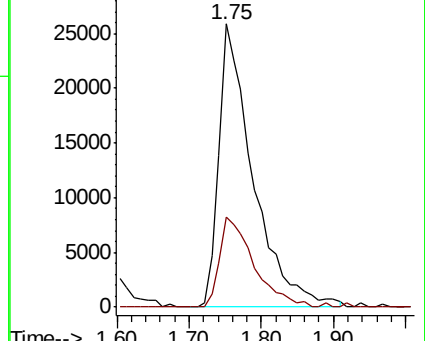
50 100

52 31.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.022 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062276.D

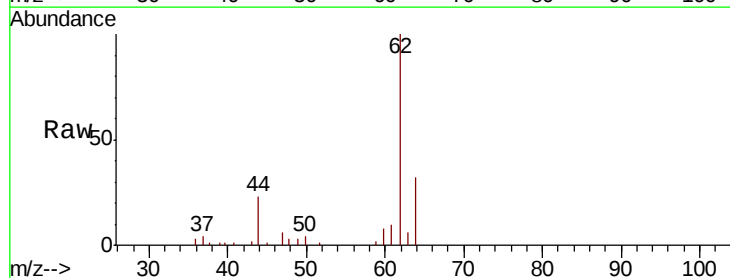
Acq: 13 May 2019 00:31

Tgt Ion: 62 Resp: 83607

Ion Ratio Lower Upper

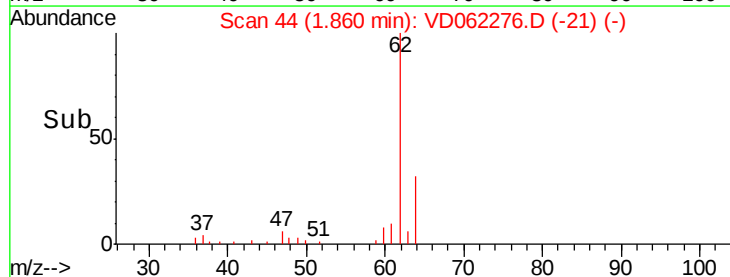
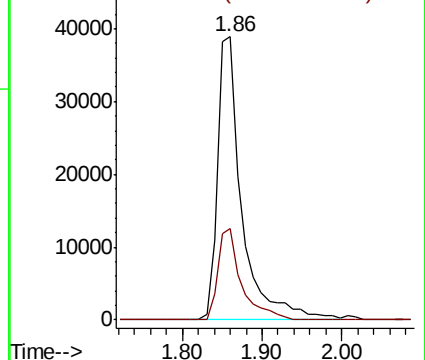
62 100

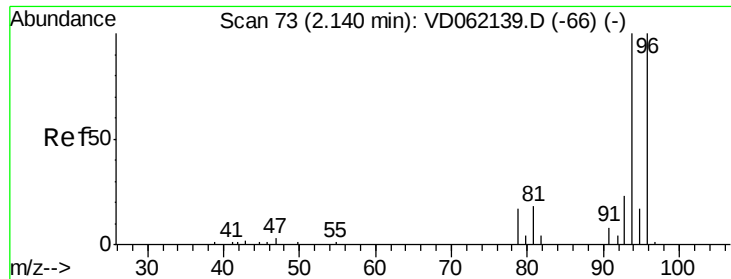
64 32.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 30.197 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD02

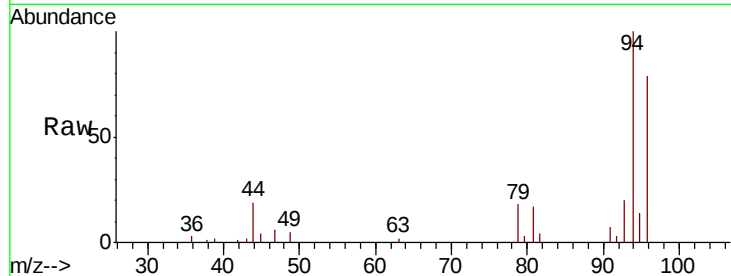
Tot Ion: 94 Resp: 31099

Ion Ratio Lower Upper

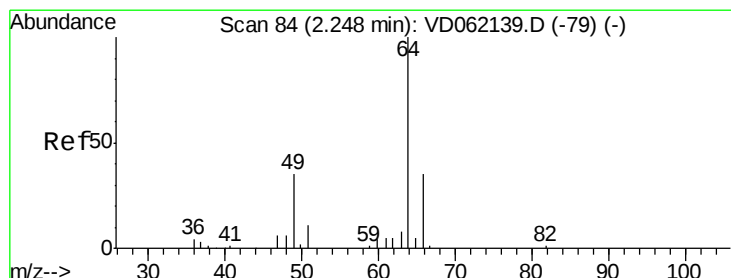
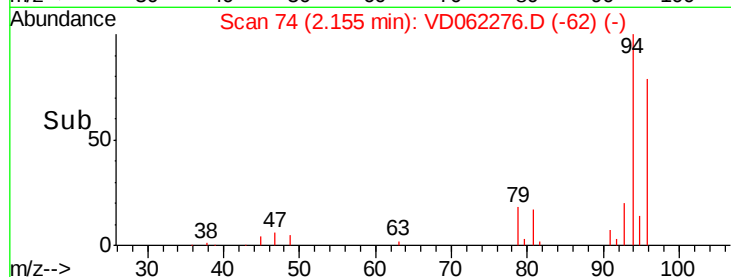
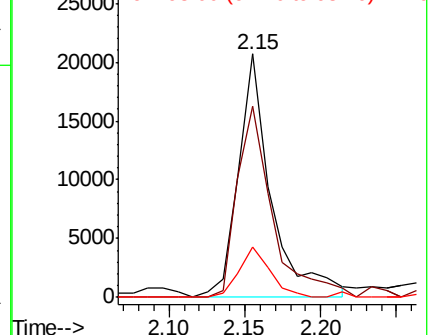
94 100

96 78.7 76.6 115.0

93 20.4 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 20.830 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062276.D

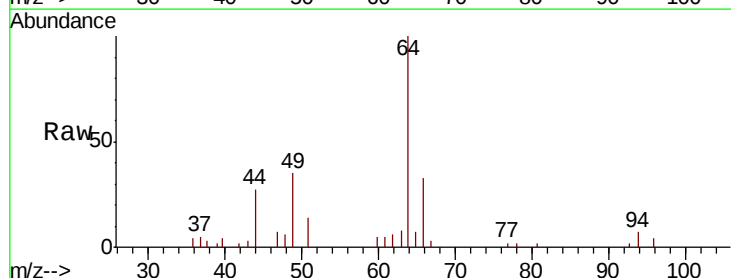
Acq: 13 May 2019 00:31

Tgt Ion: 64 Resp: 38416

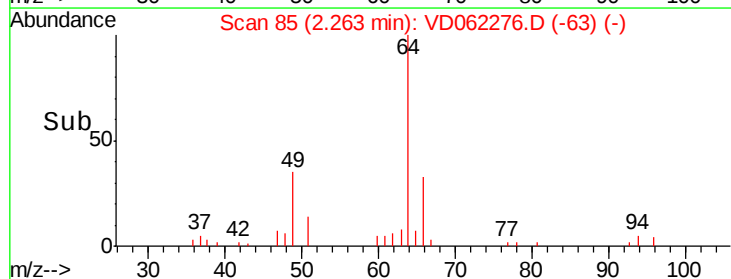
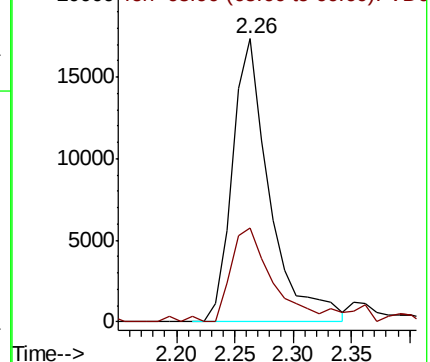
Ion Ratio Lower Upper

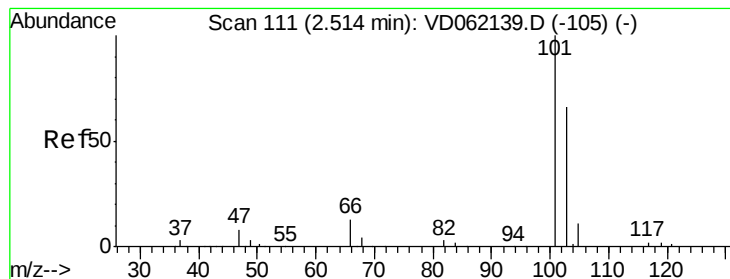
64 100

66 33.2 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



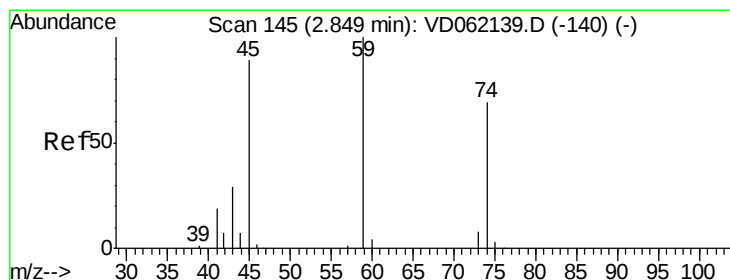
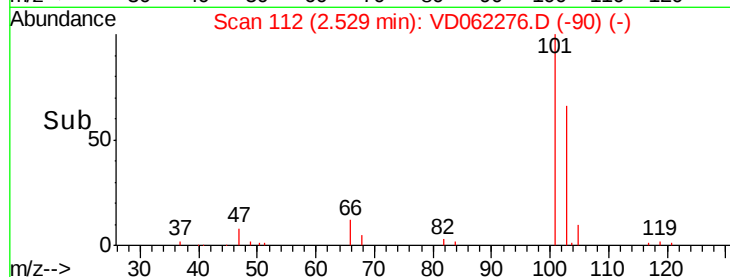
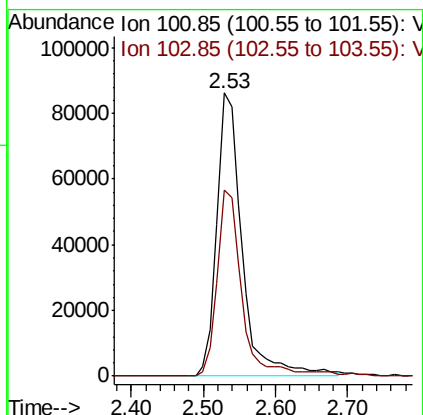
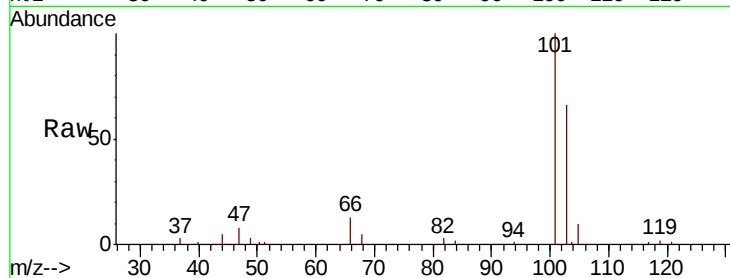


#7

Trichlorofluoromethane
 Concen: 24.409 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

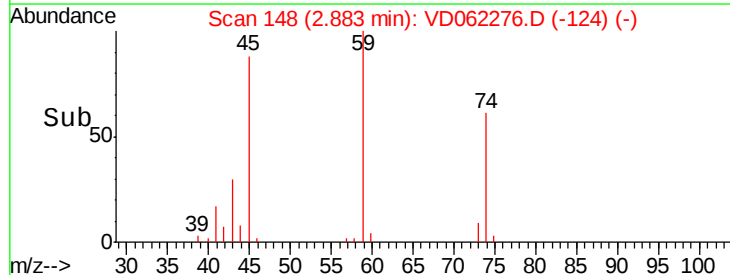
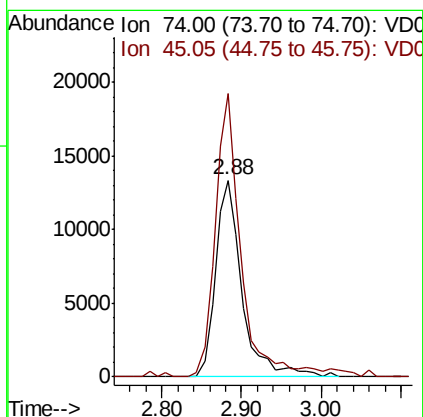
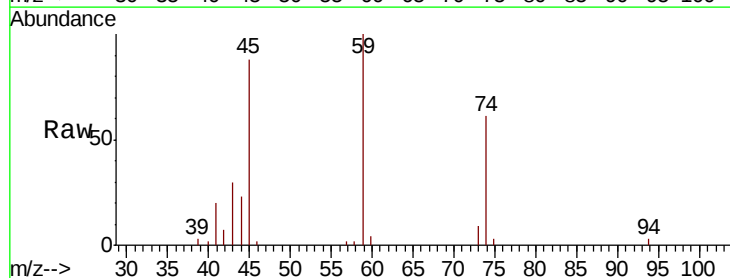
Tot Ion:101 Resp: 208572
 Ion Ratio Lower Upper
 101 100
 103 65.7 53.6 80.4

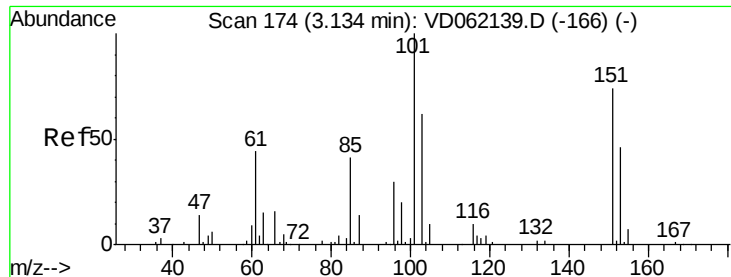


#8

Diethyl Ether
 Concen: 18.844 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.03 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Tgt Ion: 74 Resp: 31055
 Ion Ratio Lower Upper
 74 100
 45 143.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.670 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD02

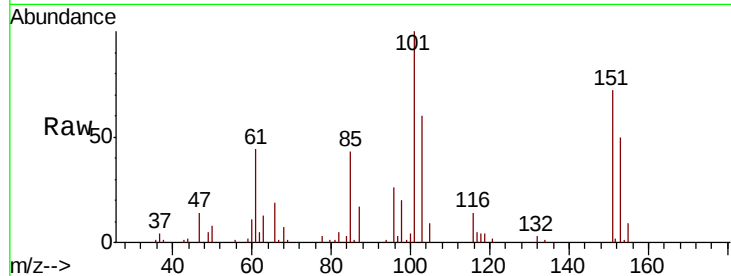
Tot Ion:101 Resp: 140072

Ion Ratio Lower Upper

101 100

85 42.8 32.4 48.6

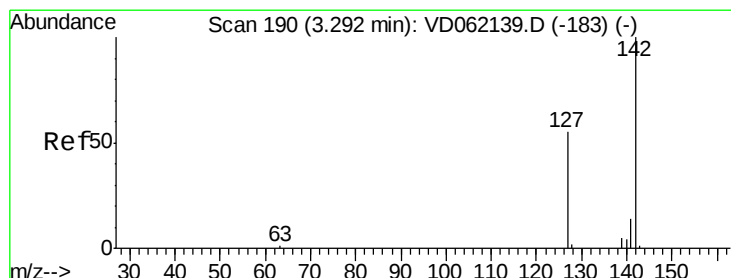
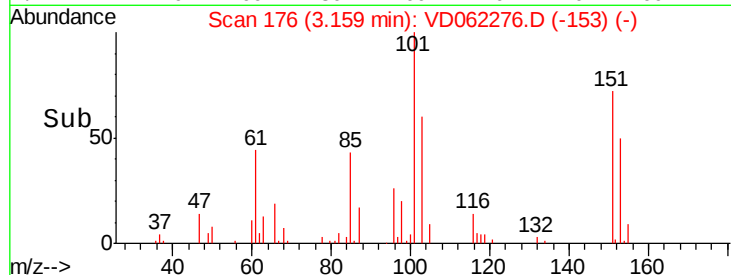
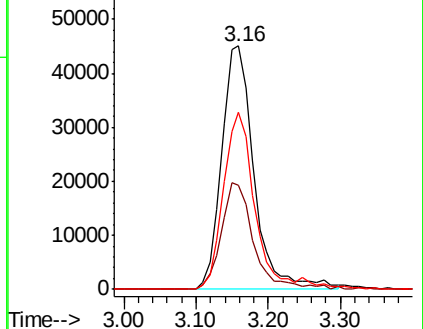
151 72.5 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 14.977 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

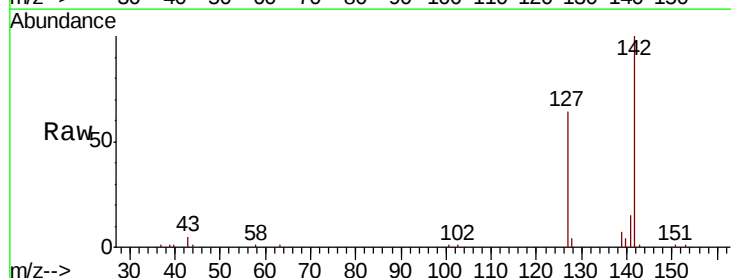
Tgt Ion:142 Resp: 146316

Ion Ratio Lower Upper

142 100

127 63.8 38.8 58.2#

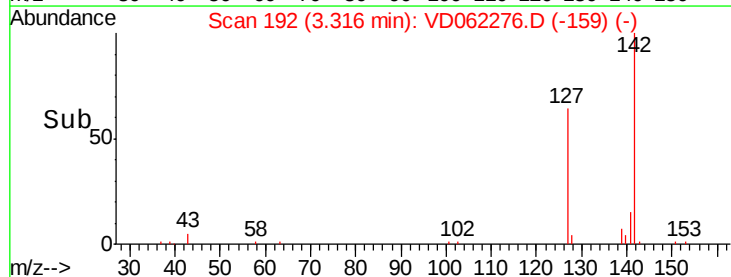
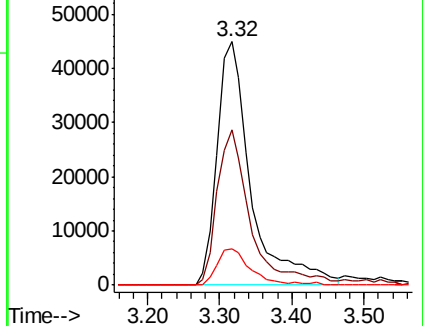
141 14.8 11.4 17.0

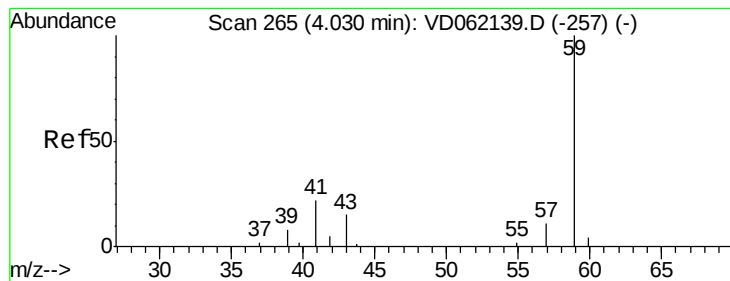


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



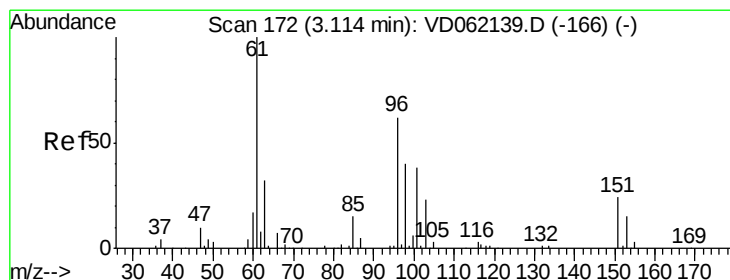
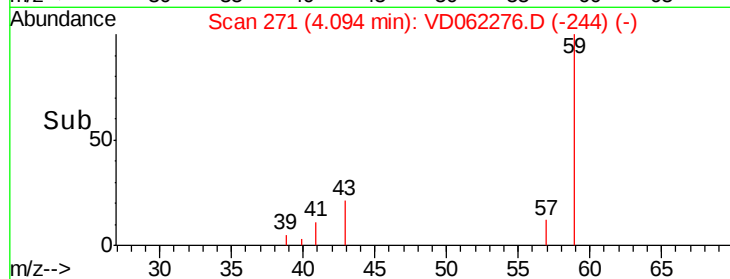
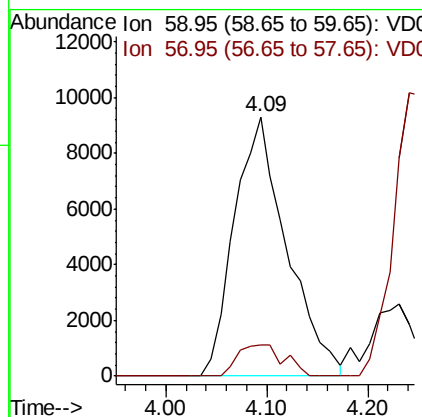
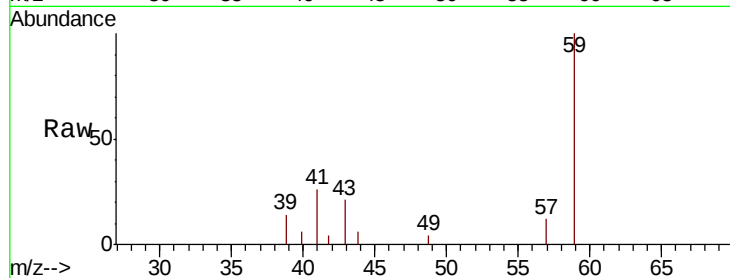


#11

Tert butyl alcohol
 Concen: 109.296 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.06 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

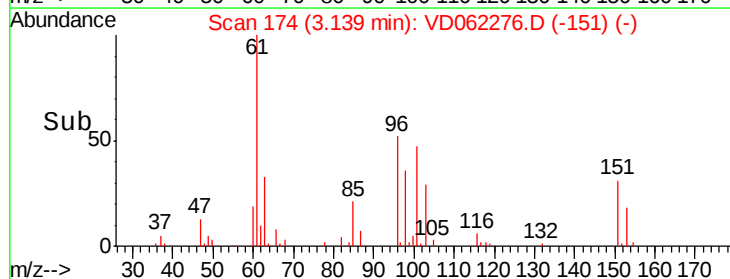
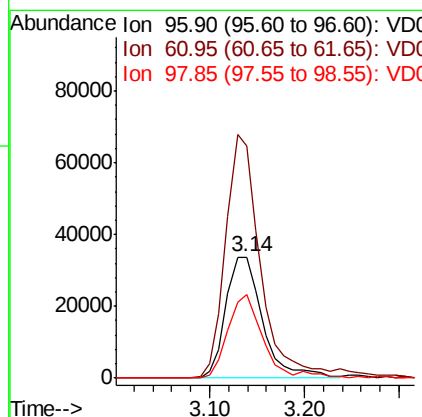
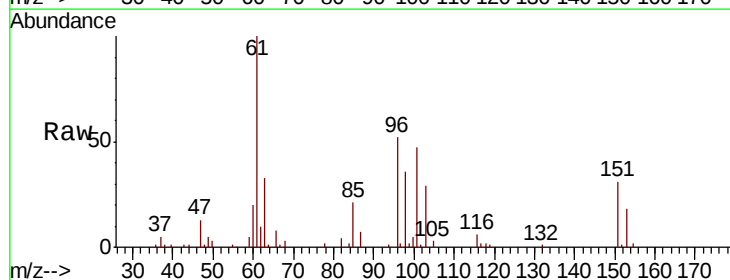
Tot Ion: 59 Resp: 33551
 Ion Ratio Lower Upper
 59 100
 57 11.8 6.9 10.3#

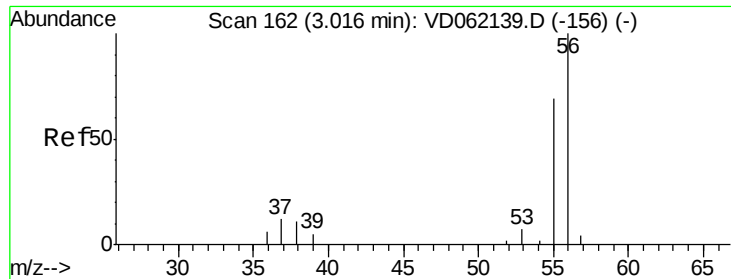


#12

1,1-Dichloroethene
 Concen: 18.503 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.02 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Tgt Ion: 96 Resp: 91298
 Ion Ratio Lower Upper
 96 100
 61 192.0 129.8 194.8
 98 69.4 51.2 76.8





#13

Acrolein

Concen: 73.766 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

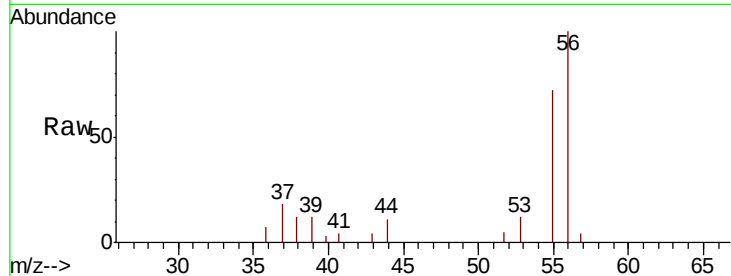
VD0512SBSD02

Tot Ion: 56 Resp: 23421

Ion Ratio Lower Upper

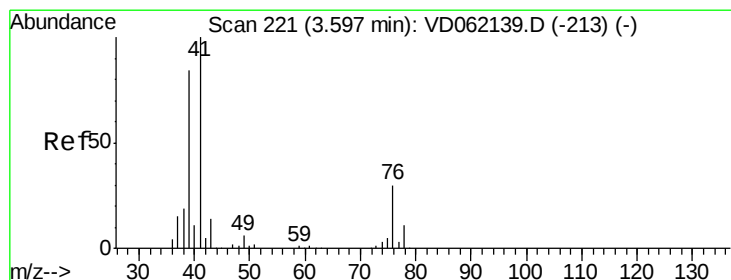
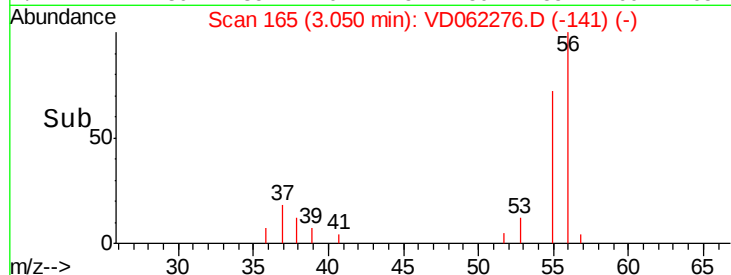
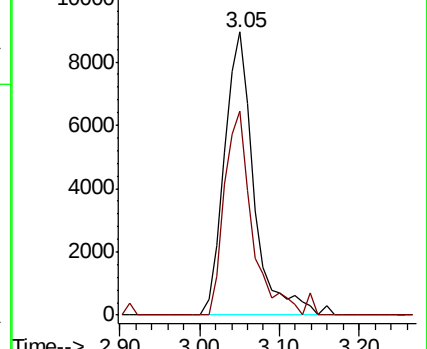
56 100

55 72.2 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.346 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

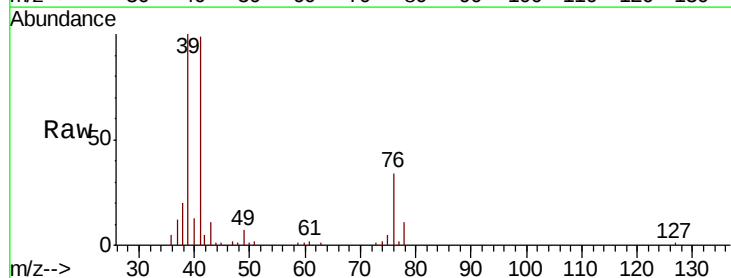
Tgt Ion: 41 Resp: 145969

Ion Ratio Lower Upper

41 100

39 101.0 60.5 90.7#

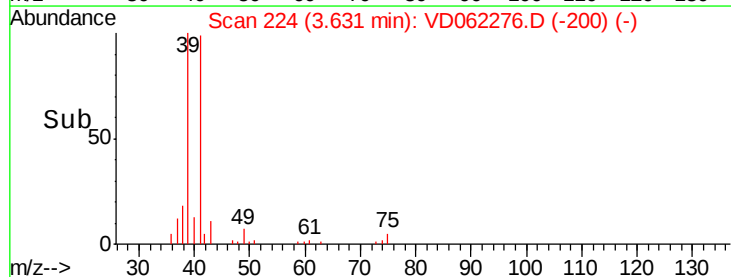
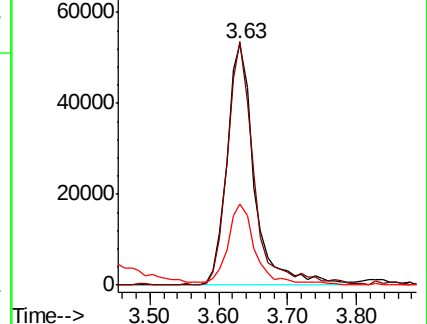
76 33.9 31.8 47.8

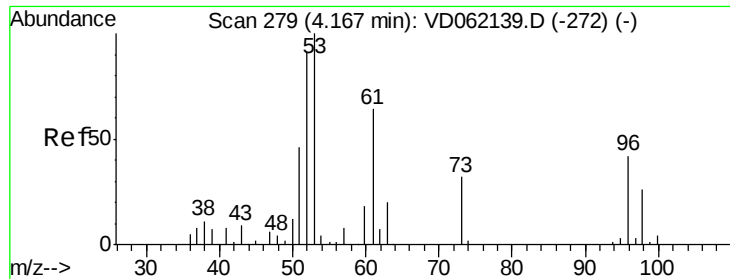


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.384 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.04 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD02

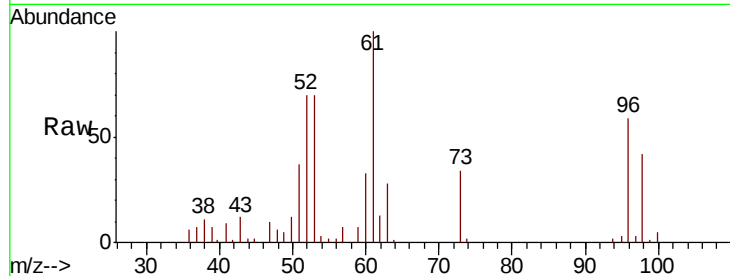
Tot Ion: 53 Resp: 80190

Ion Ratio Lower Upper

53 100

52 99.8 65.0 97.4#

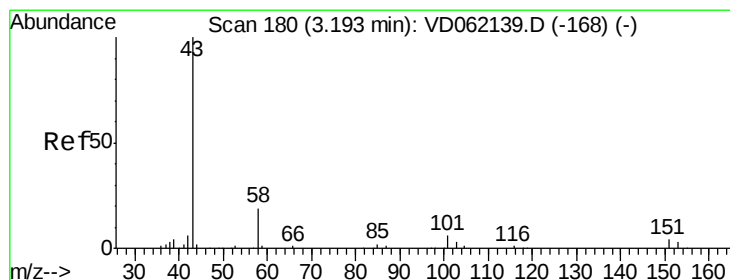
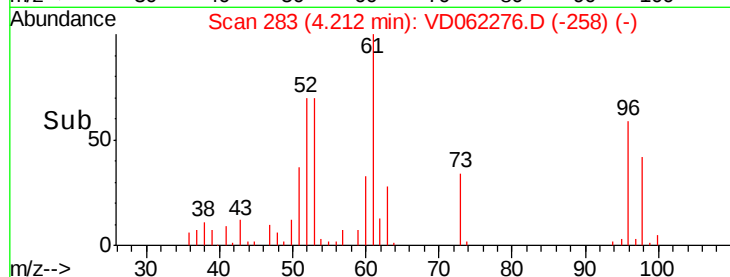
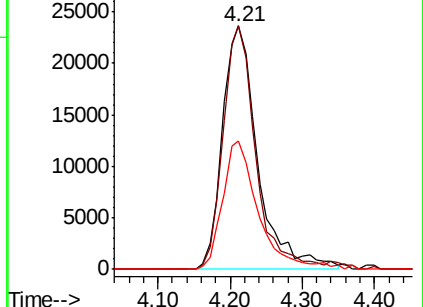
51 52.5 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 94.623 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062276.D

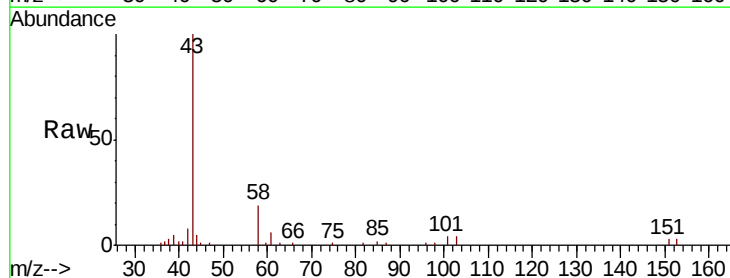
Acq: 13 May 2019 00:31

Tgt Ion: 43 Resp: 119335

Ion Ratio Lower Upper

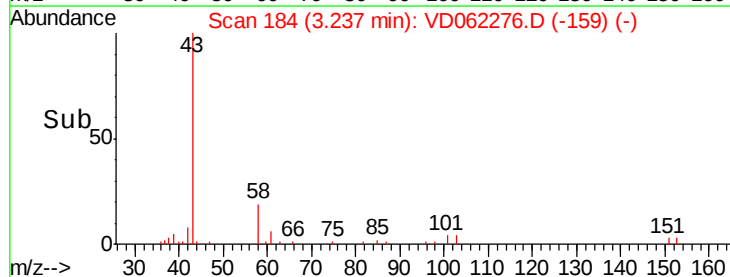
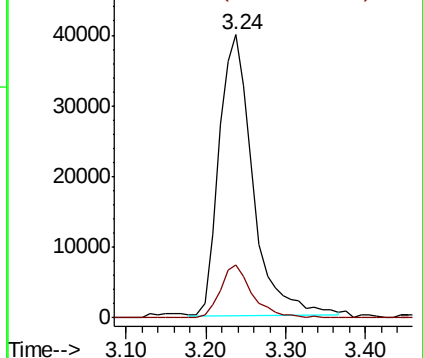
43 100

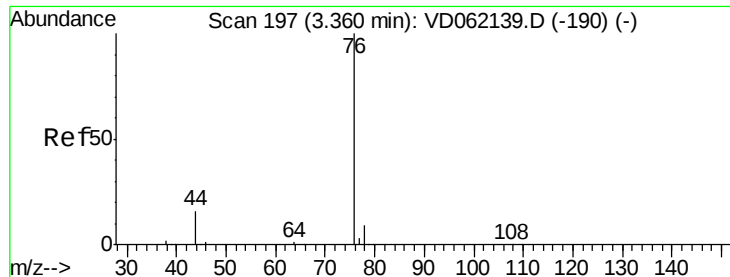
58 18.5 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

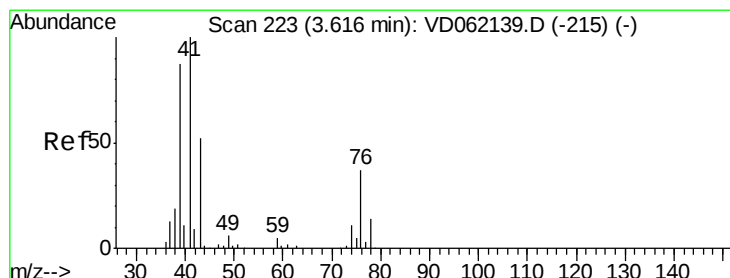
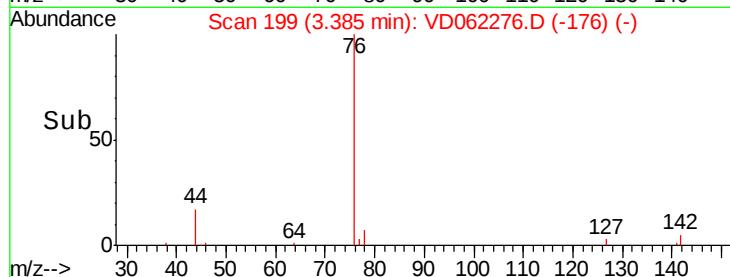
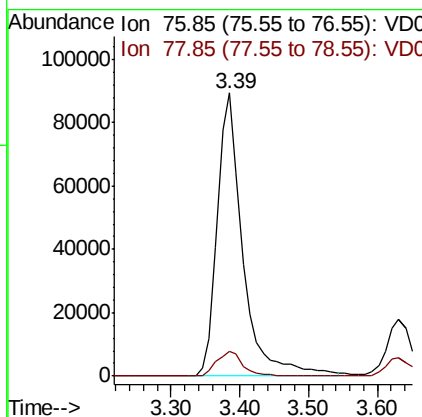
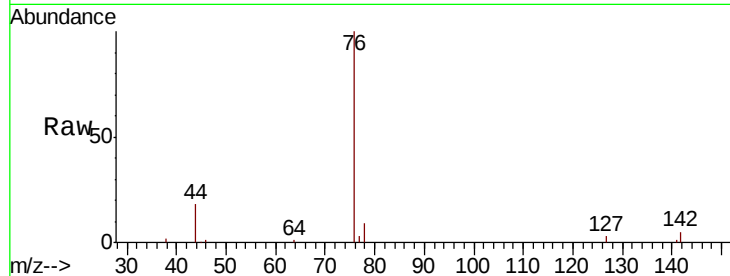




#17
Carbon Disulfide
Concen: 16.222 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

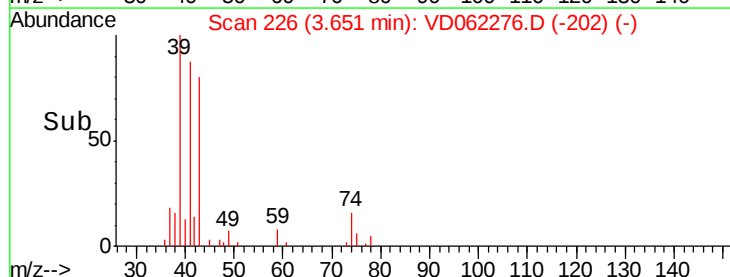
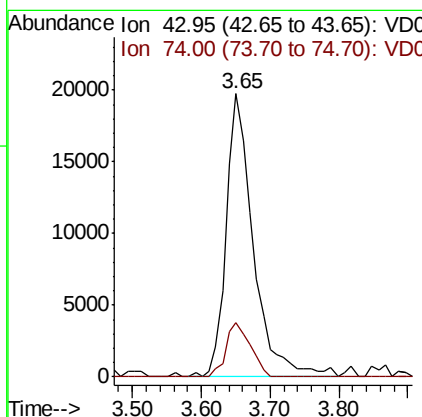
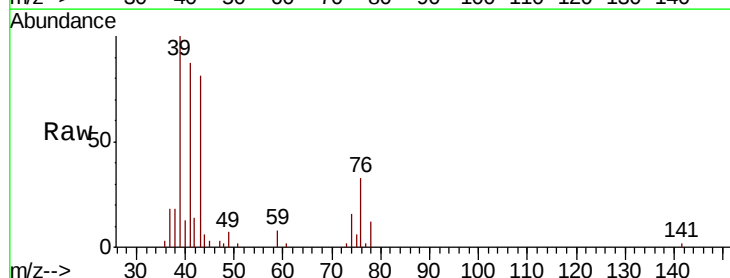
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

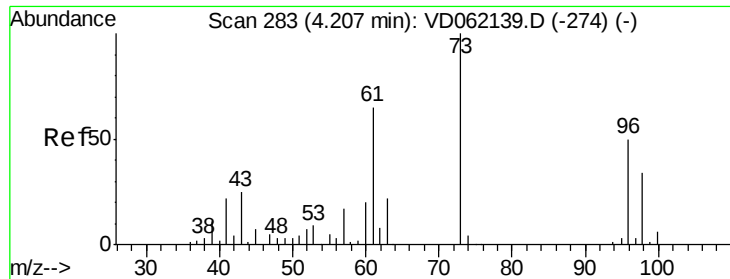
Tot Ion: 76 Resp: 230263
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8



#18
Methyl Acetate
Concen: 23.730 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion: 43 Resp: 53884
Ion Ratio Lower Upper
43 100
74 19.3 18.0 27.0

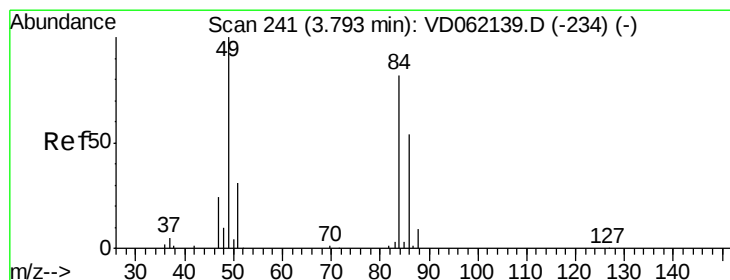
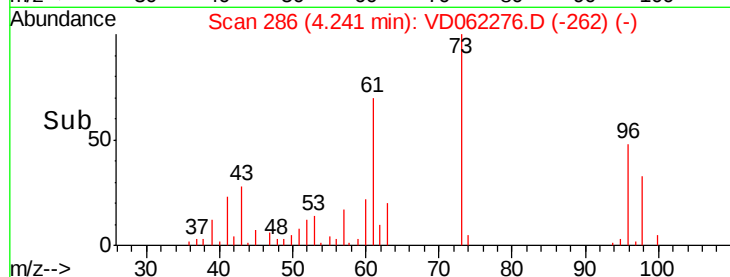
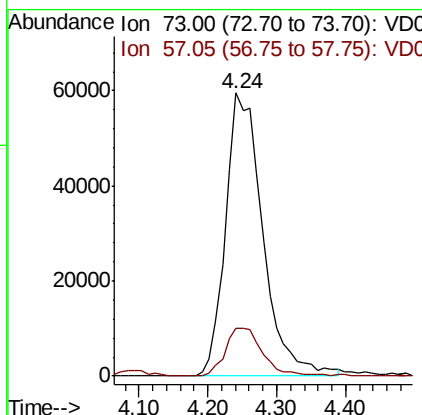
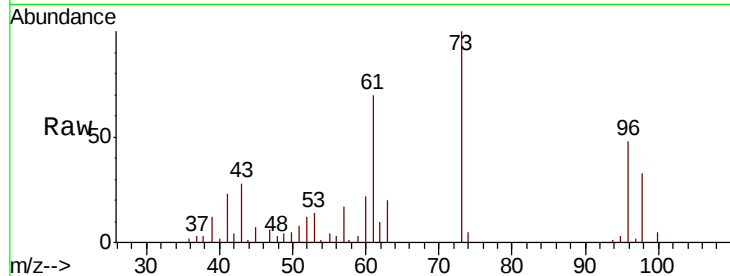




#19
Methvl tert-butvl Ether
Concen: 21.157 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.03 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

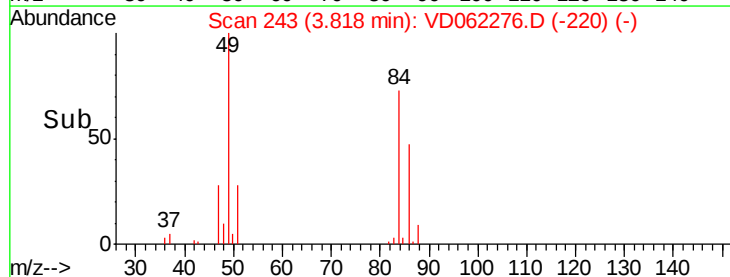
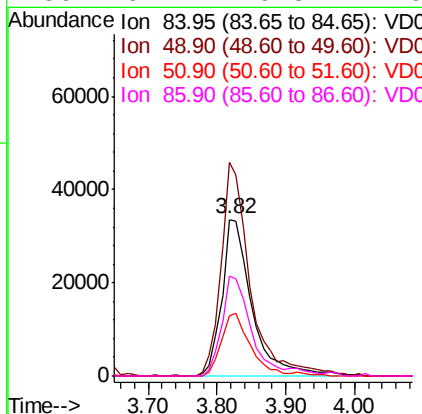
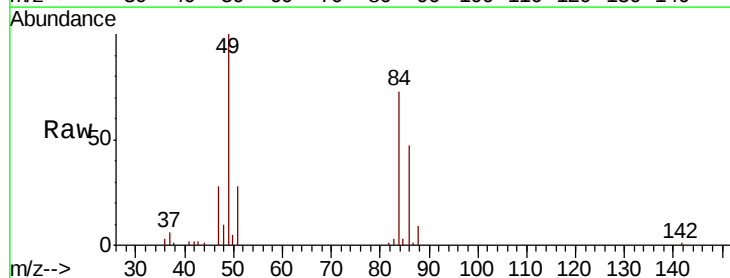
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

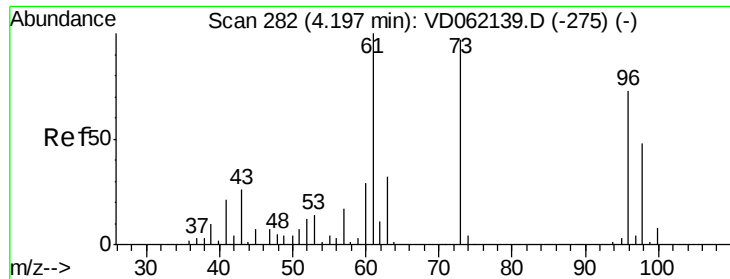
Tot Ion: 73 Resp: 223763
Ion Ratio Lower Upper
73 100
57 17.7 16.3 24.5



#20
Methylene Chloride
Concen: 19.269 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion: 84 Resp: 101469
Ion Ratio Lower Upper
84 100
49 136.5 94.0 141.0
51 38.6 29.0 43.4
86 64.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.710 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD02

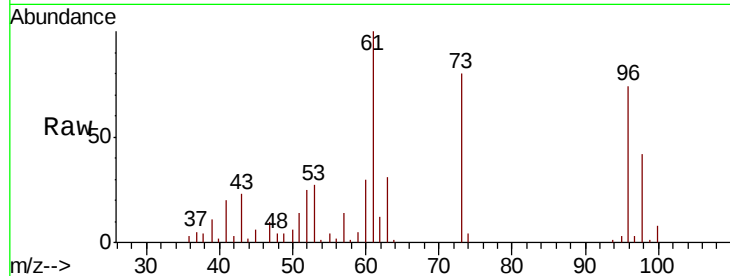
Tot Ion: 96 Resp: 102729

Ion Ratio Lower Upper

96 100

61 135.1 104.4 156.6

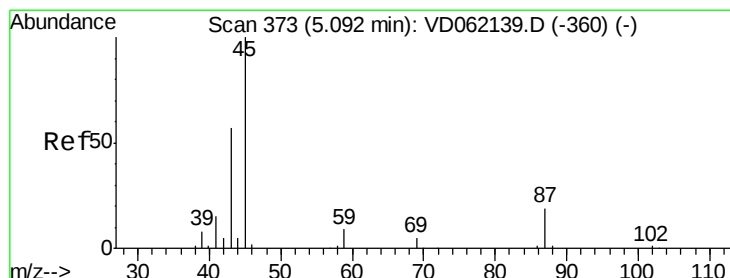
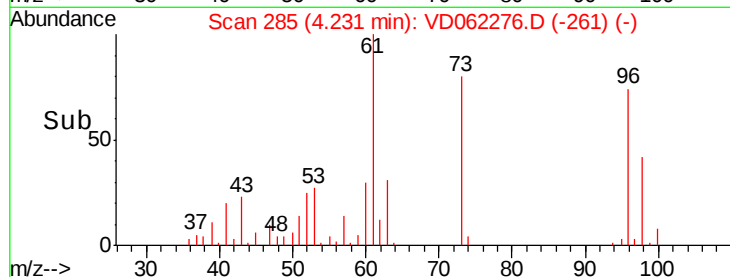
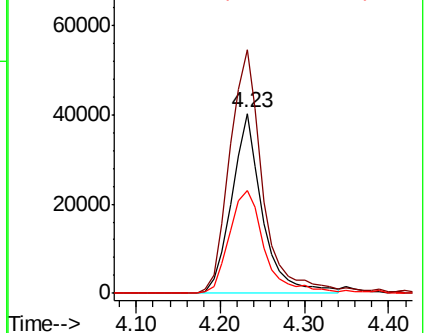
98 57.1 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.906 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.04 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Tgt Ion: 45 Resp: 319172

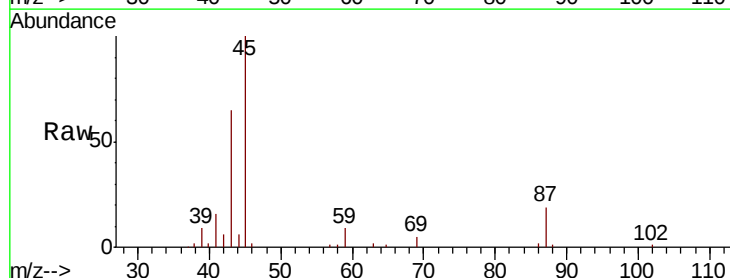
Ion Ratio Lower Upper

45 100

43 65.0 46.2 69.2

87 19.4 15.9 23.9

59 9.1 7.9 11.9

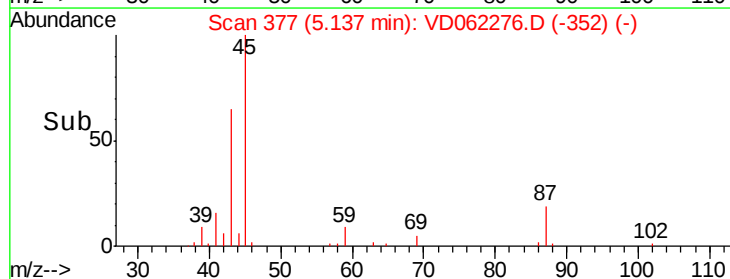
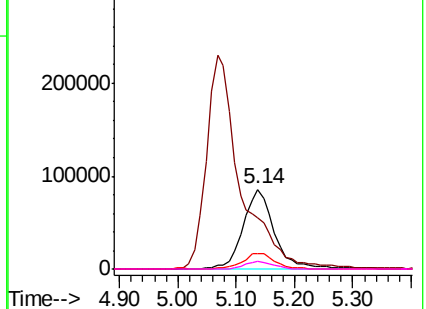


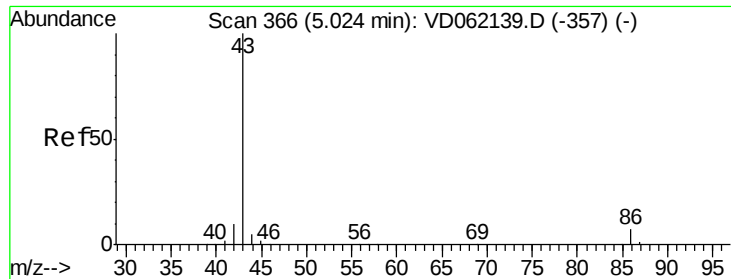
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

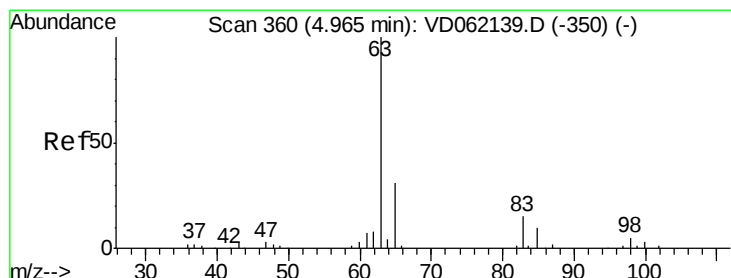
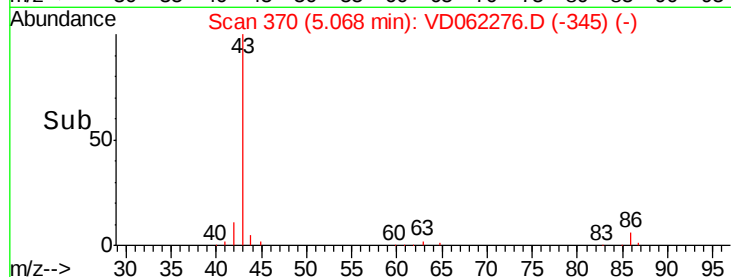
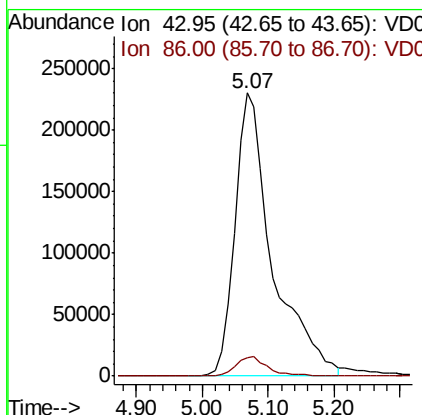
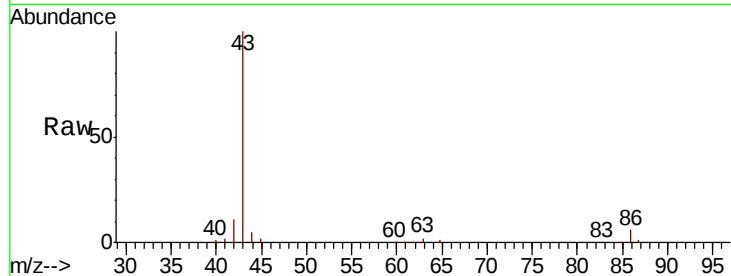




#23
 Vinyl Acetate
 Concen: 113.529 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.04 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

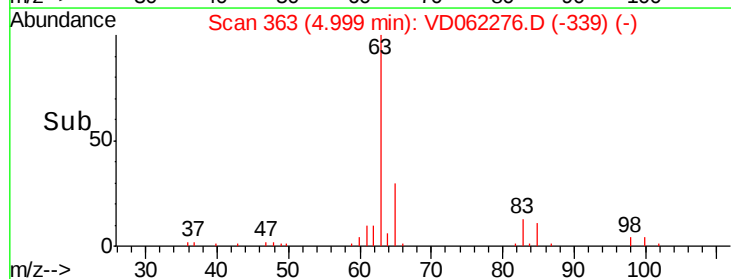
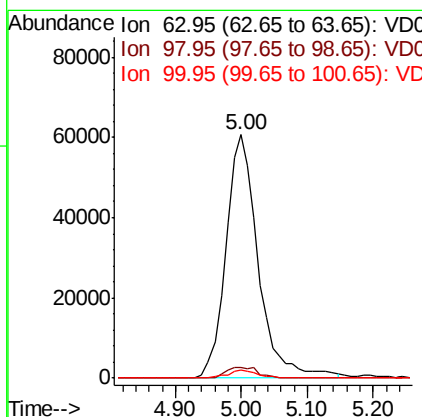
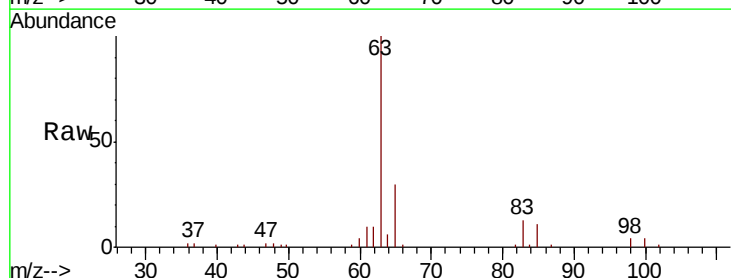
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

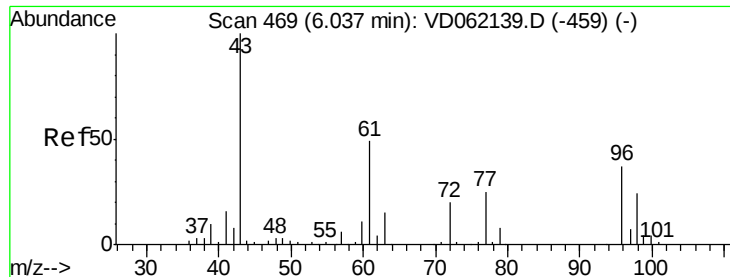
Tot Ion: 43 Resp: 914470
 Ion Ratio Lower Upper
 43 100
 86 6.5 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 22.540 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.03 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Tgt Ion: 63 Resp: 207596
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.8 8.4
 100 3.5 1.8 5.5





#25

2-Butanone

Concen: 103.921 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

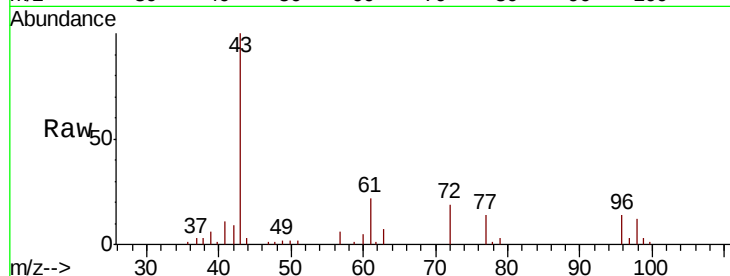
VD0512SBS02

Tot Ion: 43 Resp: 142957

Ion Ratio Lower Upper

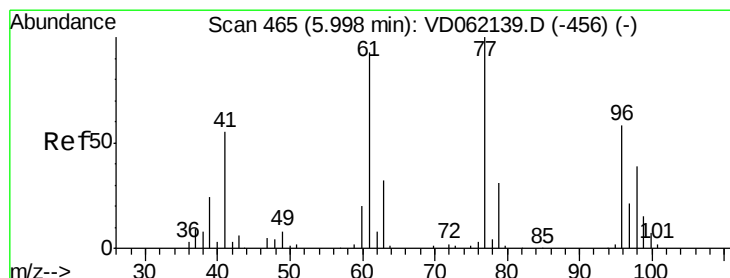
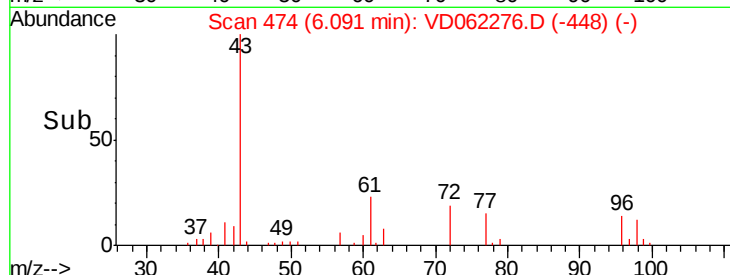
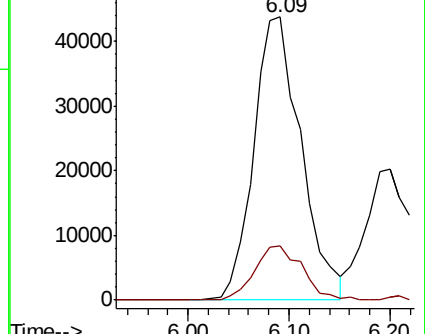
43 100

72 19.0 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.619 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062276.D

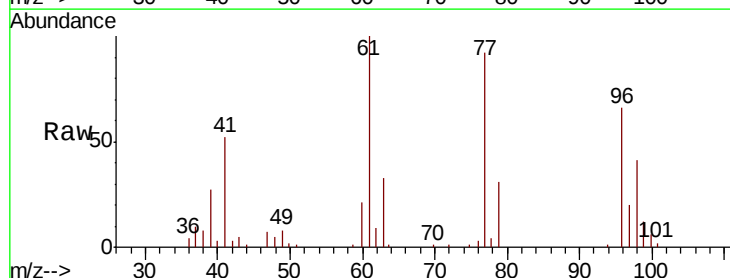
Acq: 13 May 2019 00:31

Tgt Ion: 77 Resp: 198339

Ion Ratio Lower Upper

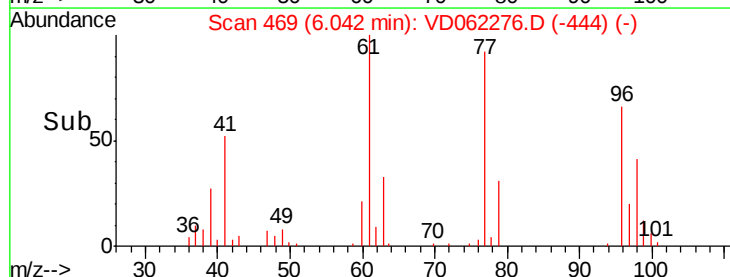
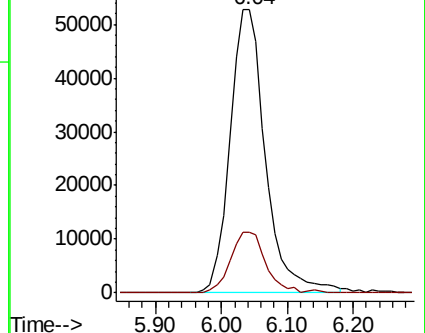
77 100

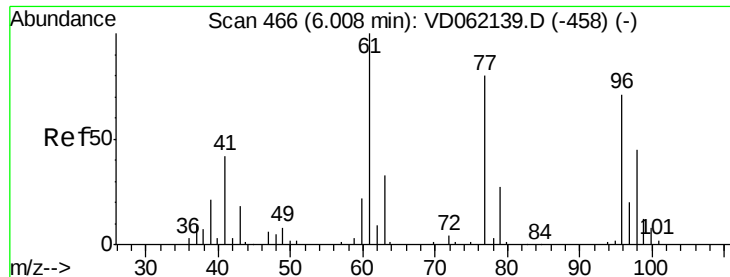
97 21.4 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



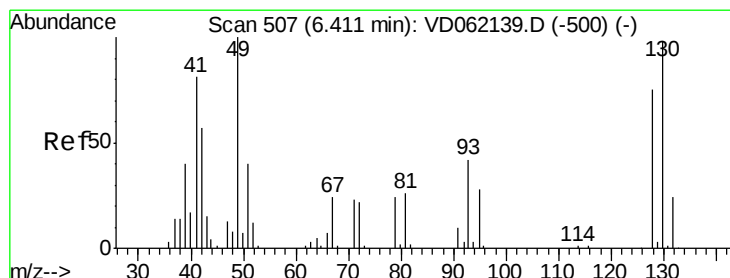
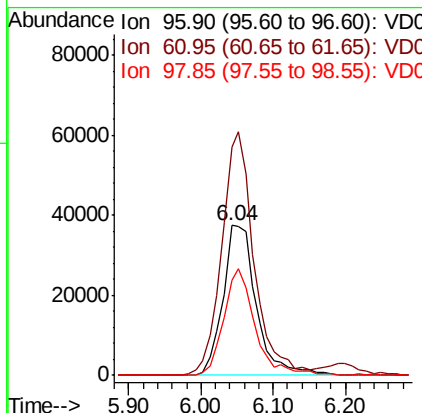
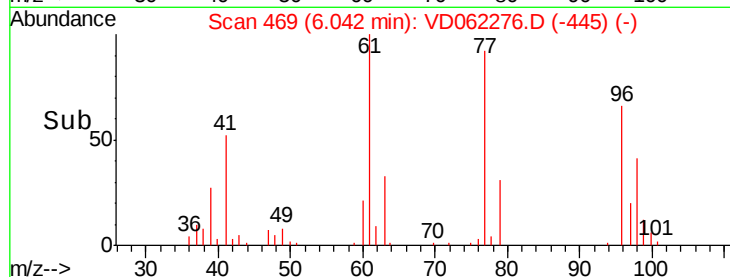
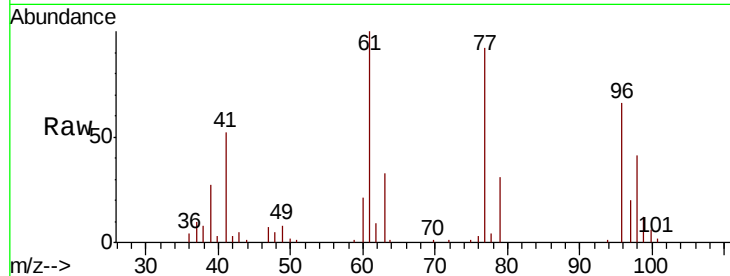


#27

cis-1,2-Dichloroethene
Concen: 19.622 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.03 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

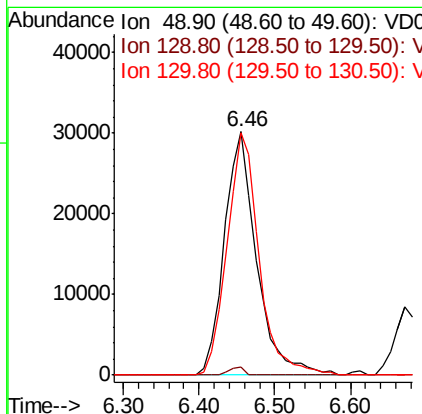
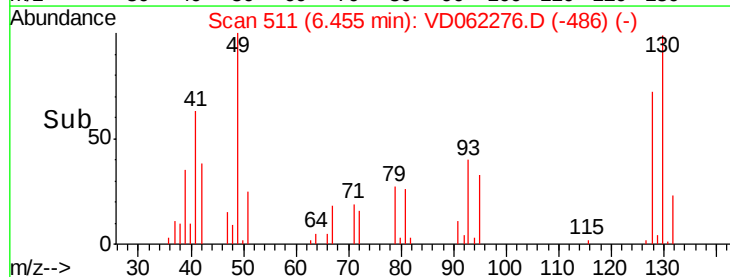
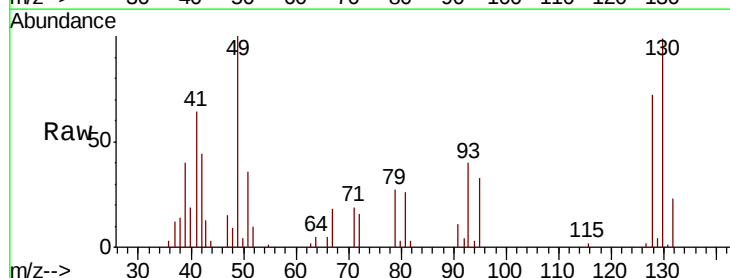
Tot Ion: 96 Resp: 120597
Ion Ratio Lower Upper
96 100
61 152.5 0.0 279.8
98 63.2 0.0 136.0

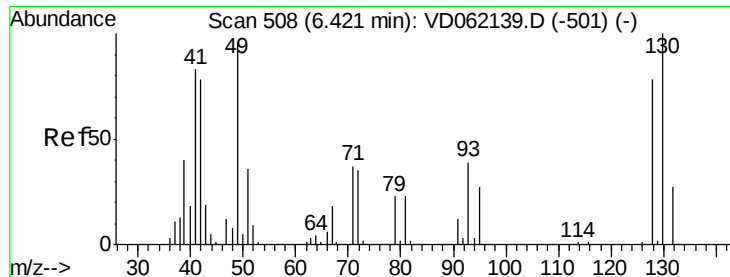


#28

Bromochloromethane
Concen: 24.544 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion: 49 Resp: 88935
Ion Ratio Lower Upper
49 100
129 3.5 0.0 6.6
130 99.4 86.7 130.1

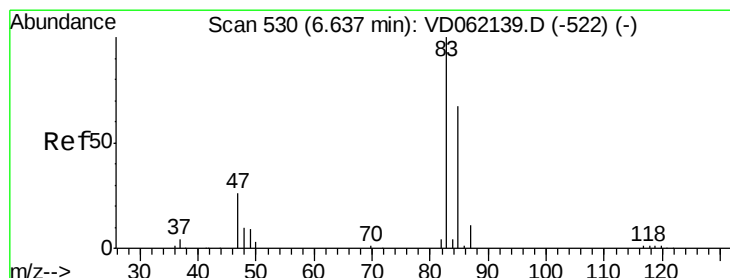
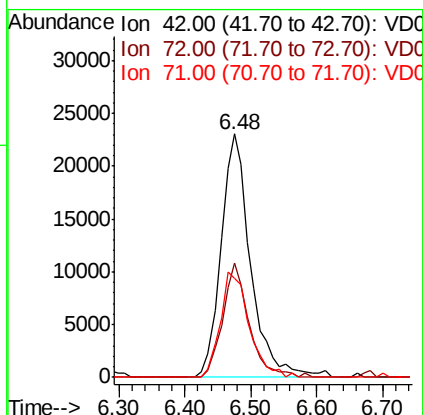
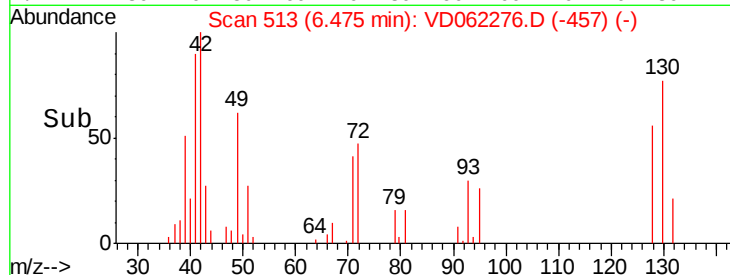
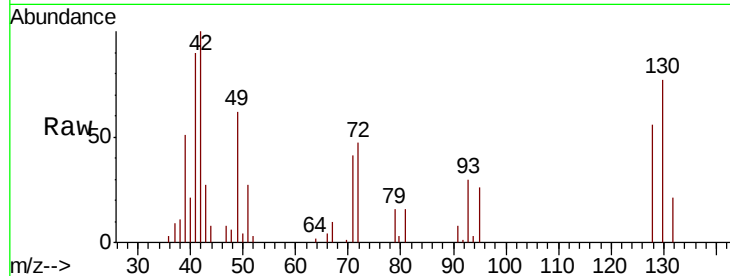




#29
Tetrahydrofuran
Concen: 113.325 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

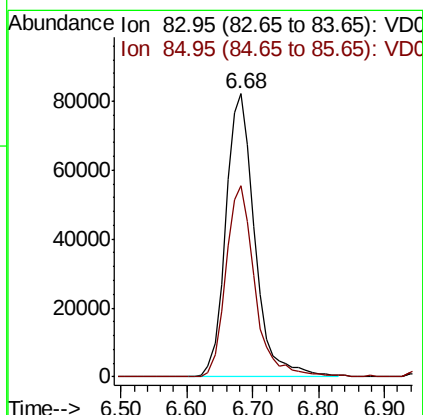
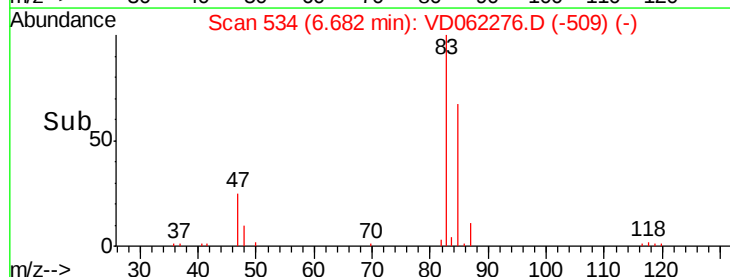
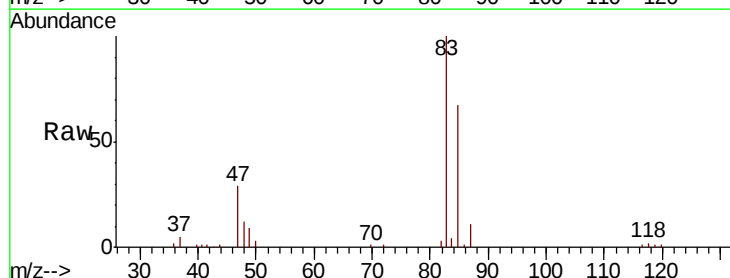
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

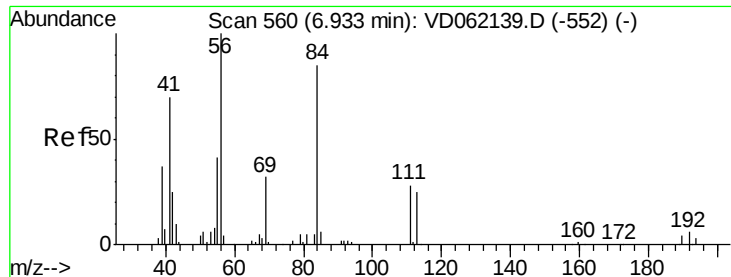
Tot Ion: 42 Resp: 71829
Ion Ratio Lower Upper
42 100
72 41.7 37.8 56.6
71 42.2 36.7 55.1



#30
Chloroform
Concen: 22.780 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion: 83 Resp: 252850
Ion Ratio Lower Upper
83 100
85 67.4 51.7 77.5

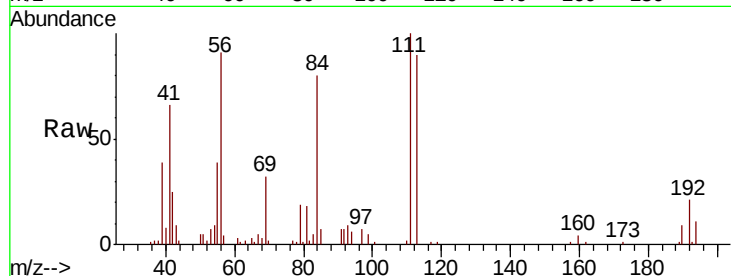




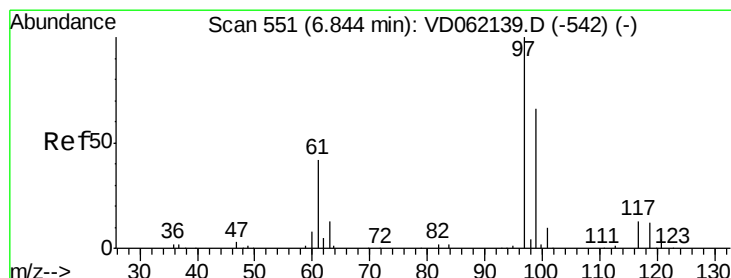
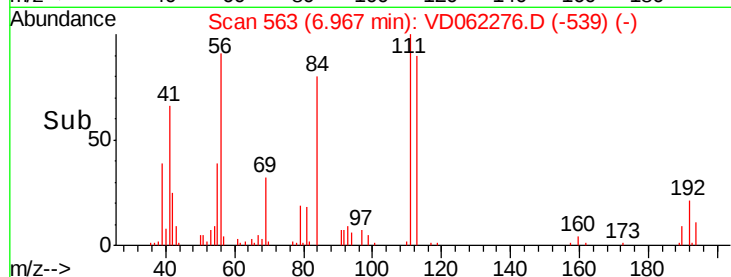
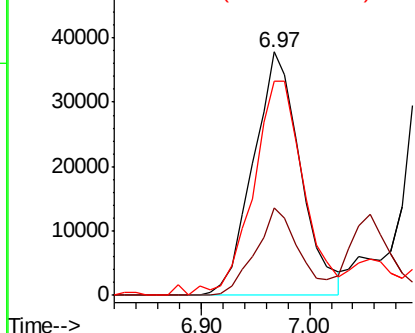
#31
Cvclohexane
Concen: 18.225 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

Tot Ion: 56 Resp: 114997
Ion Ratio Lower Upper
56 100
69 35.7 25.8 38.6
84 88.1 72.2 108.4

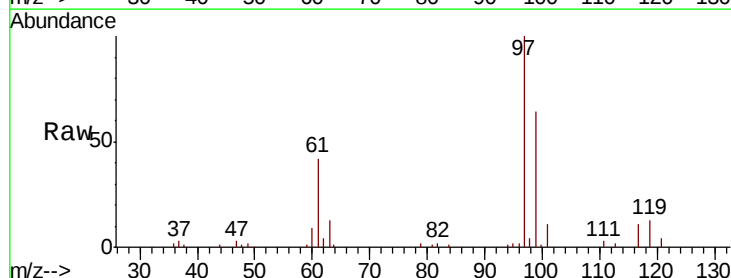


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

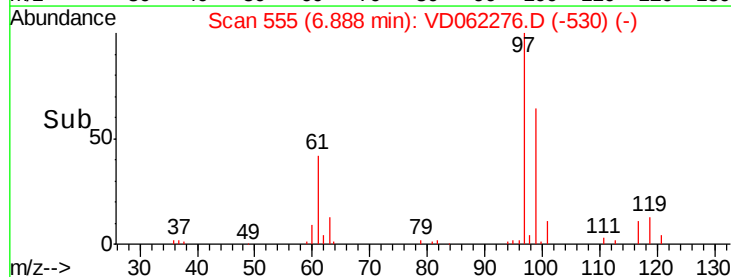
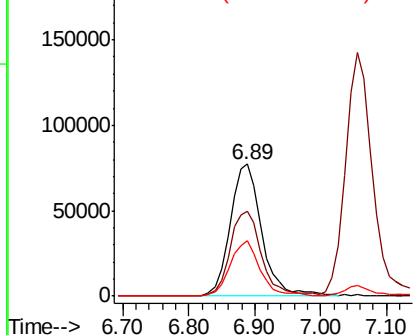


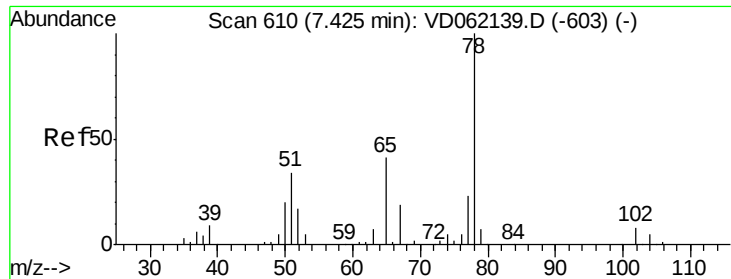
#32
1,1,1-Trichloroethane
Concen: 24.639 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.04 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion: 97 Resp: 258498
Ion Ratio Lower Upper
97 100
99 64.5 52.2 78.2
61 41.6 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

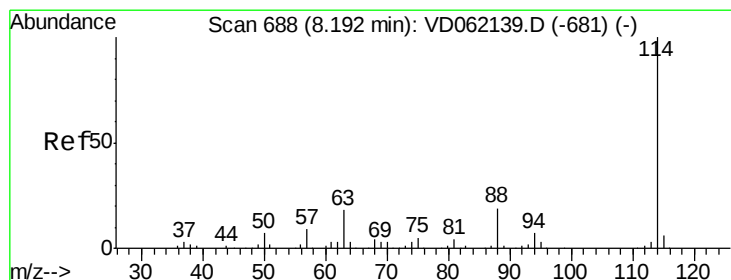
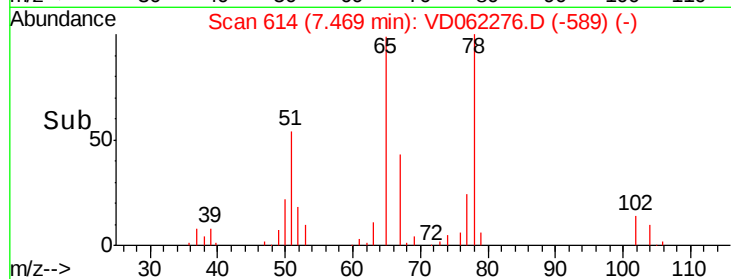
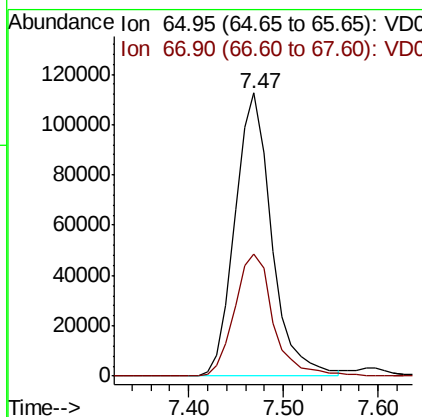
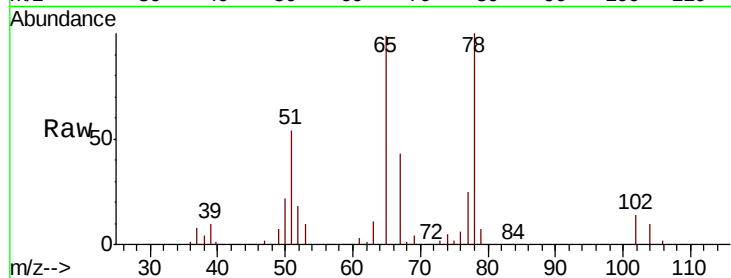




#33
 1,2-Dichloroethane-d4
 Concen: 50.261 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

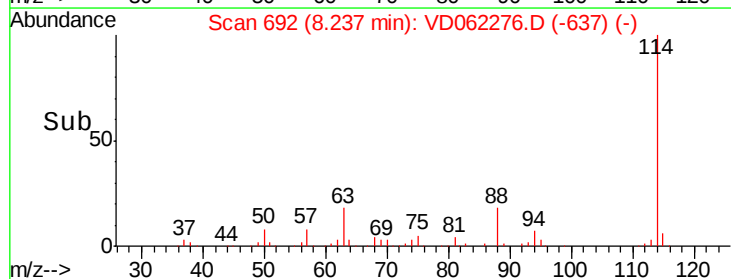
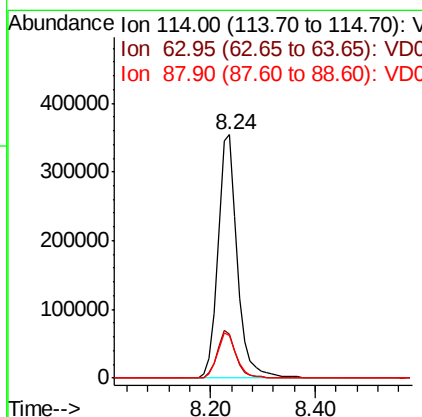
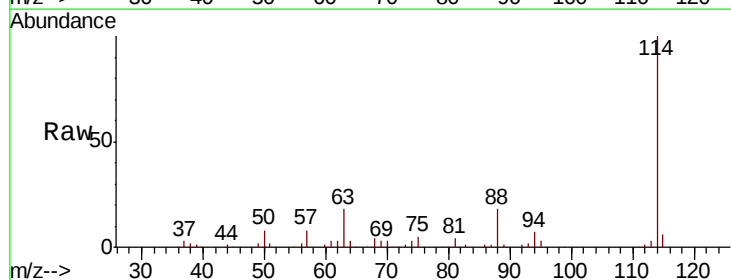
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

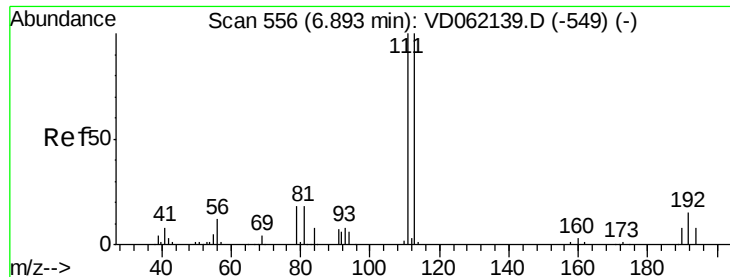
Tot Ion: 65 Resp: 302259
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Tgt Ion: 114 Resp: 907955
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 32.4
 88 17.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 47.676 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD02

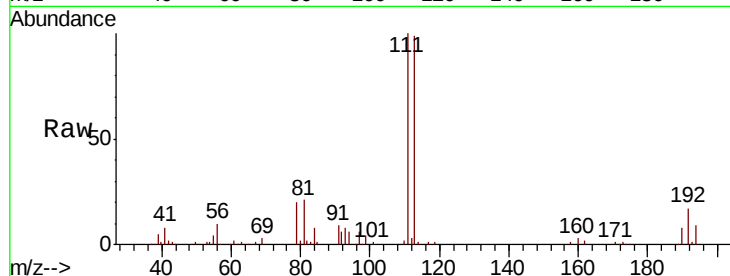
Tot Ion:113 Resp: 359162

Ion Ratio Lower Upper

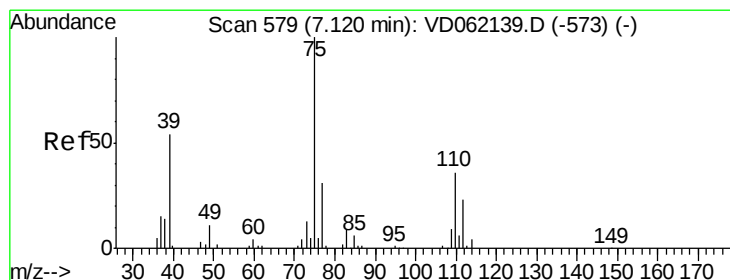
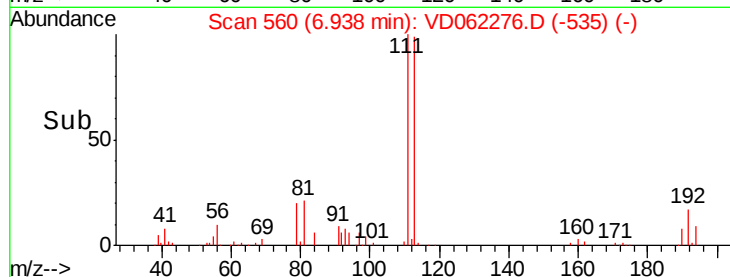
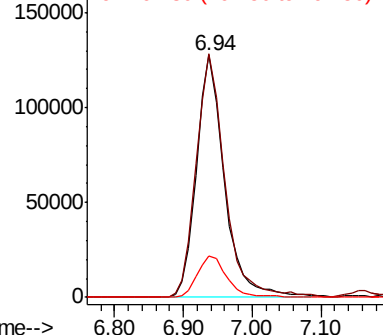
113 100

111 100.6 78.5 117.7

192 17.3 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.892 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.03 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

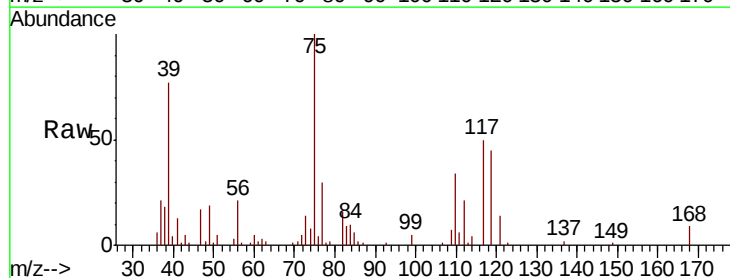
Tgt Ion: 75 Resp: 162975

Ion Ratio Lower Upper

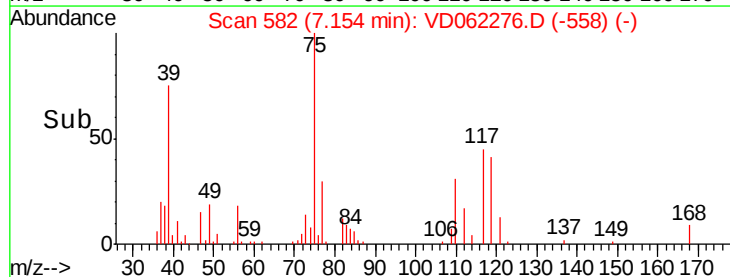
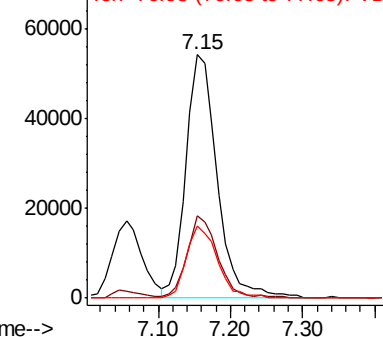
75 100

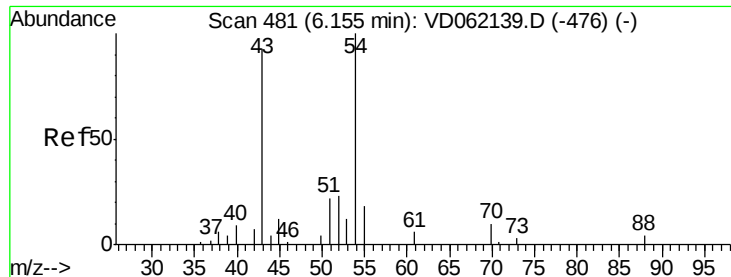
110 33.8 19.1 57.1

77 29.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 20.957 ug/l

RT: 6.20 min Scan# 485

Delta R.T. 0.04 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD02

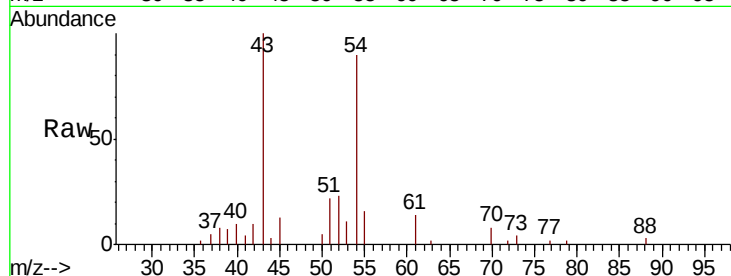
Tot Ion: 43 Resp: 66163

Ion Ratio Lower Upper

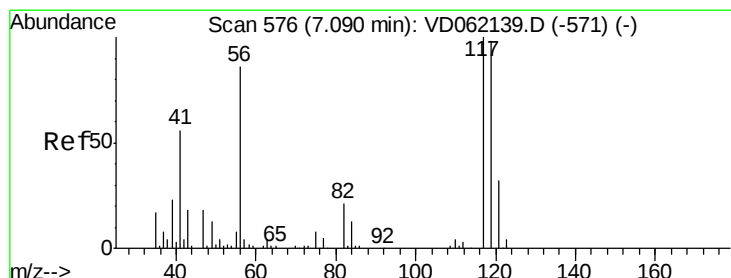
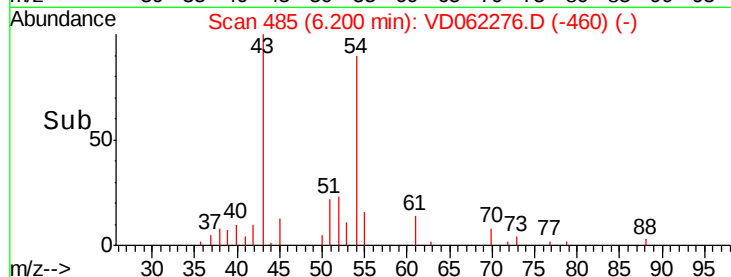
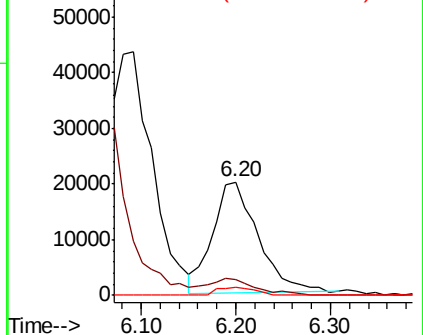
43 100

61 14.1 14.7 22.1#

70 7.6 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 24.467 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.03 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

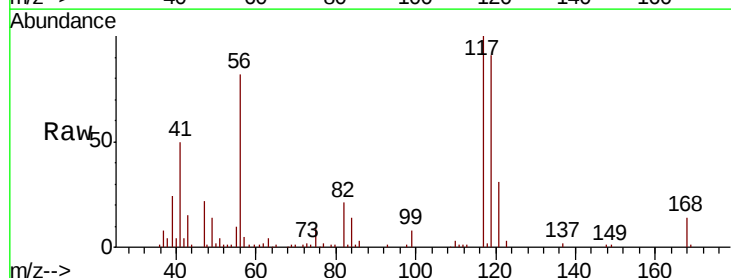
Tgt Ion: 117 Resp: 252096

Ion Ratio Lower Upper

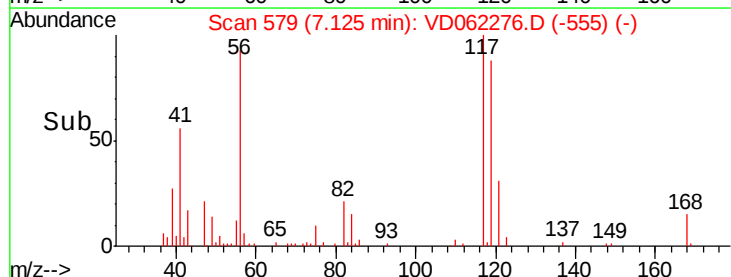
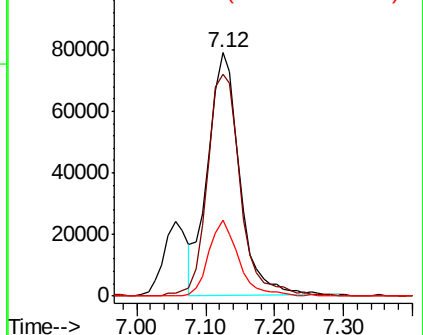
117 100

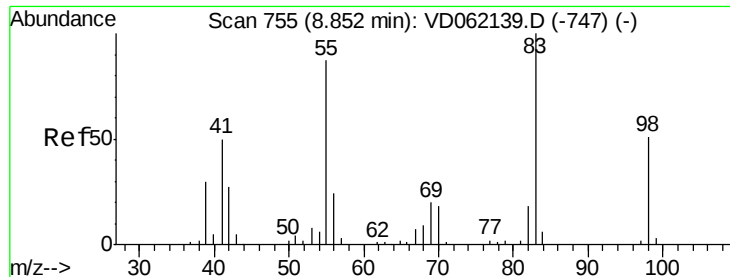
119 91.0 75.8 113.8

121 31.2 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

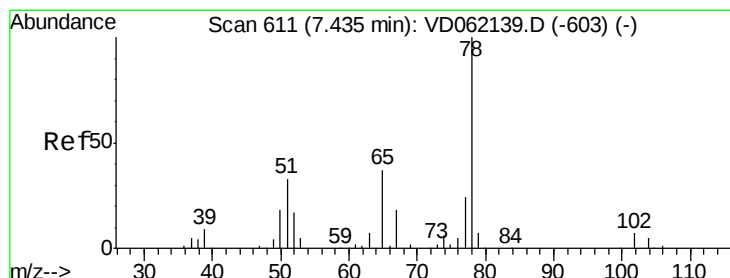
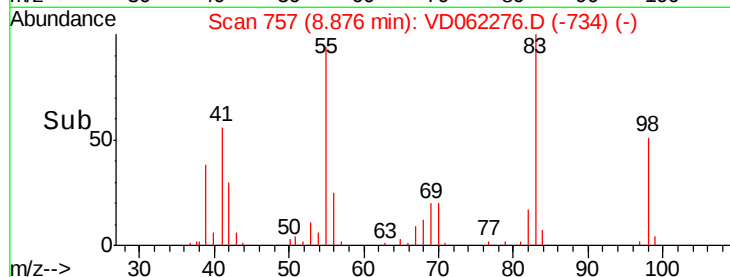
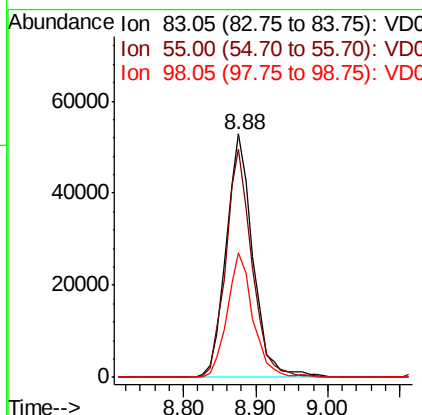
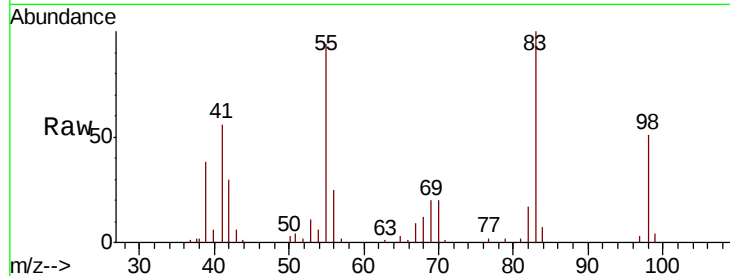




#39
Methvlcvclohexane
Concen: 19.032 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

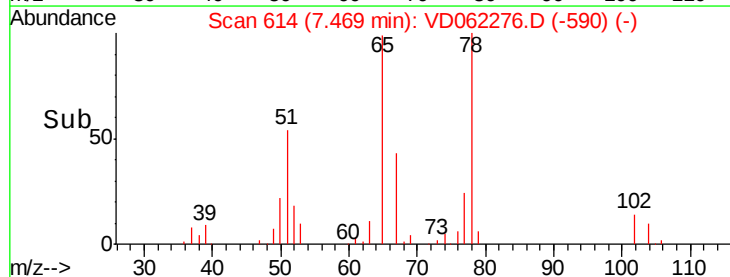
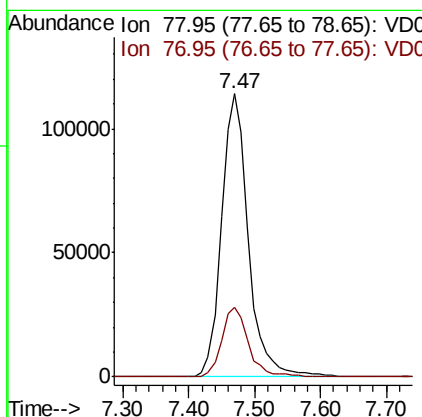
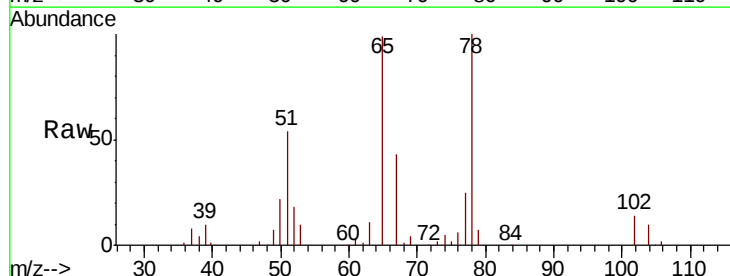
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

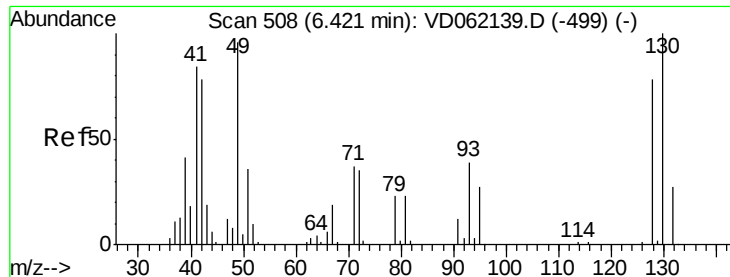
Tot Ion: 83 Resp: 135750
Ion Ratio Lower Upper
83 100
55 93.6 68.2 102.4
98 51.3 38.2 57.4



#40
Benzene
Concen: 19.291 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion: 78 Resp: 324292
Ion Ratio Lower Upper
78 100
77 24.5 19.7 29.5

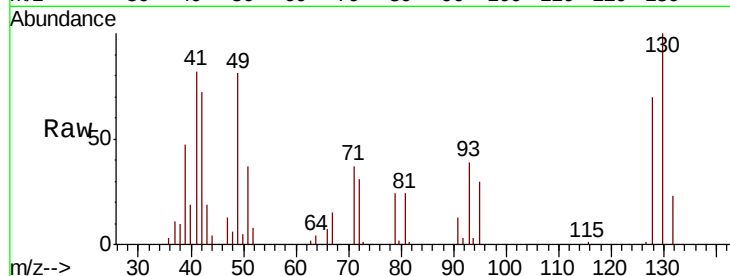




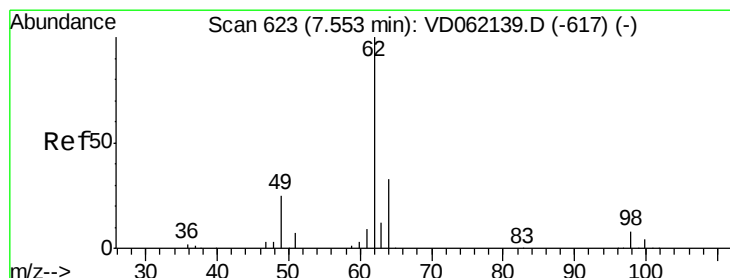
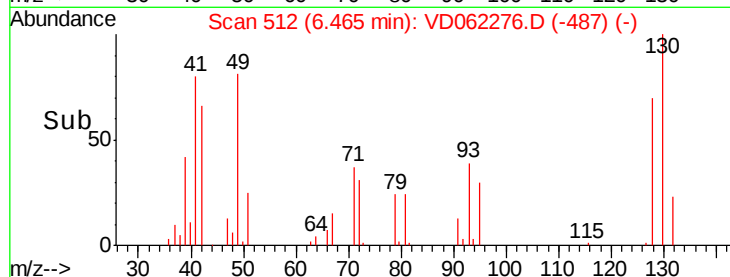
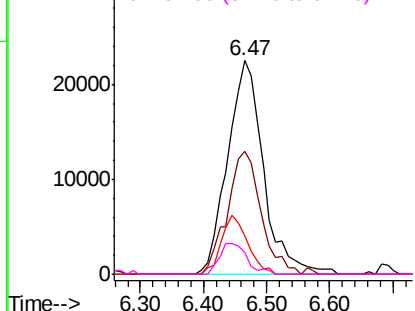
#41
Methacrylonitrile
Concen: 22.959 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

Tot Ion: 41 Resp: 88577
Ion Ratio Lower Upper
41 100
39 57.5 34.1 51.1#
67 17.9 23.8 35.6#
52 10.2 8.8 13.2

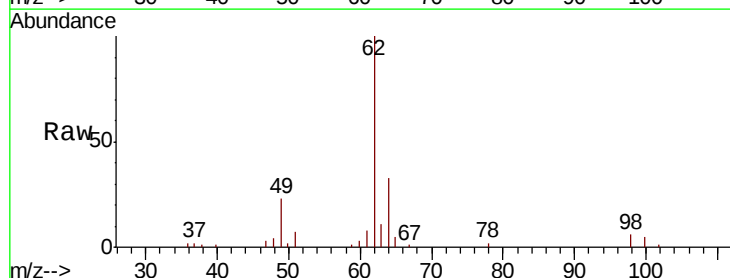


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

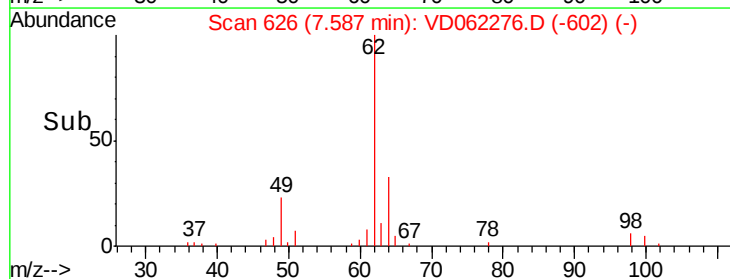
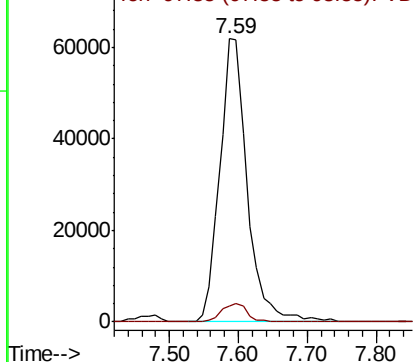


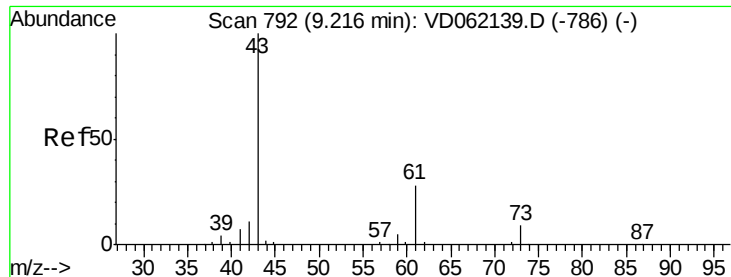
#42
1,2-Dichloroethane
Concen: 24.049 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion: 62 Resp: 171286
Ion Ratio Lower Upper
62 100
98 5.6 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.116 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

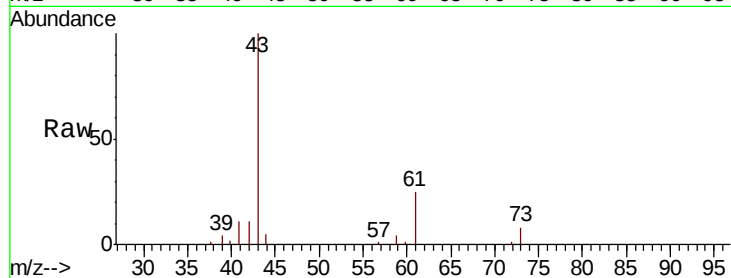
Tot Ion: 43 Resp: 94544

Ion Ratio Lower Upper

43 100

61 24.6 25.1 37.7#

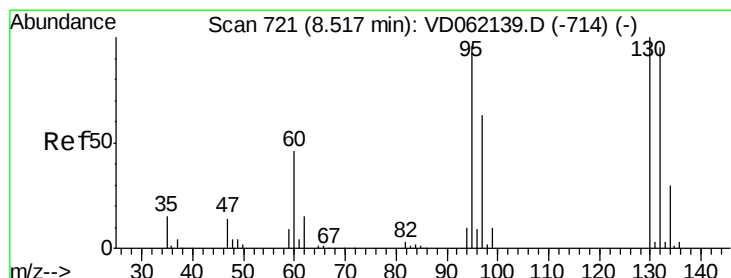
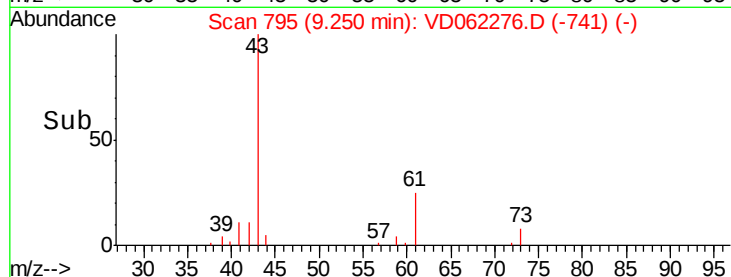
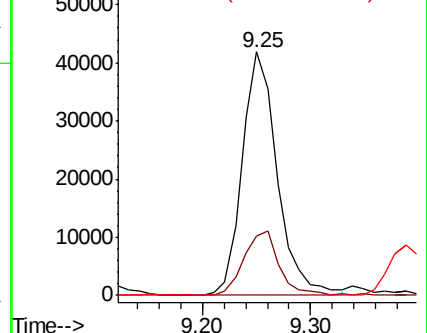
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.000 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.03 min

Lab File: VD062276.D

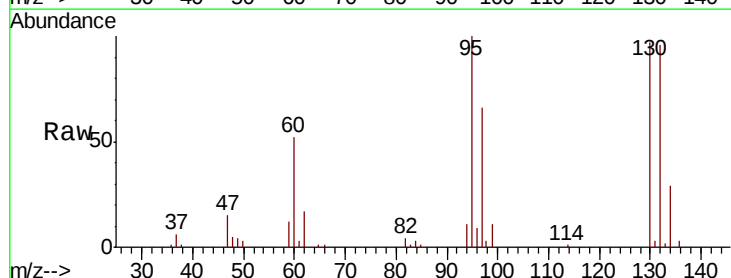
Acq: 13 May 2019 00:31

Tgt Ion:130 Resp: 128116

Ion Ratio Lower Upper

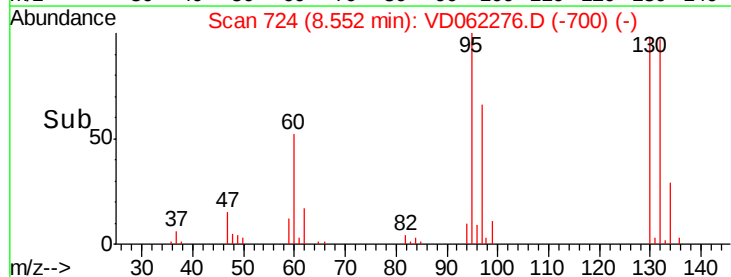
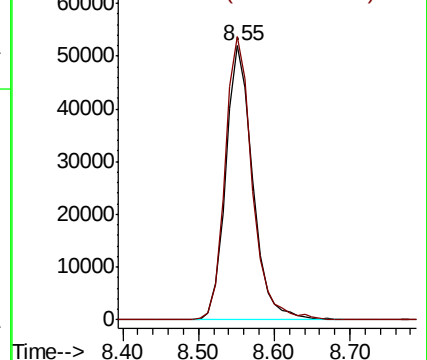
130 100

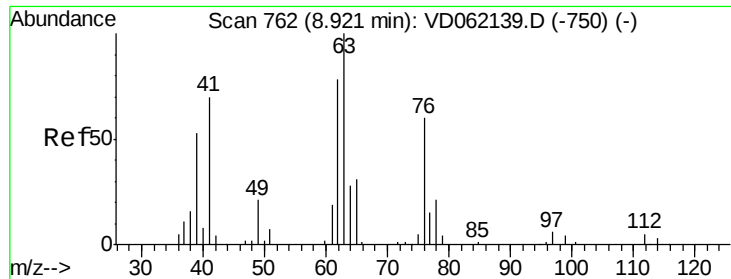
95 103.2 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.821 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

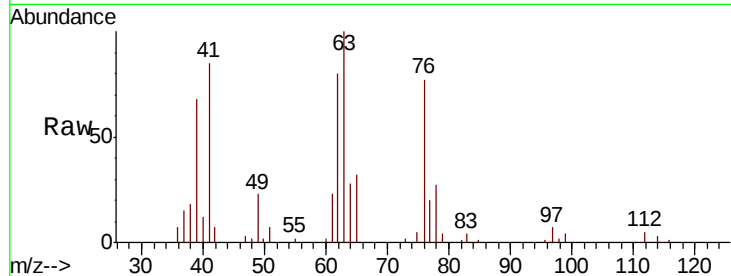
VD0512SBSD02

Tot Ion: 63 Resp: 82418

Ion Ratio Lower Upper

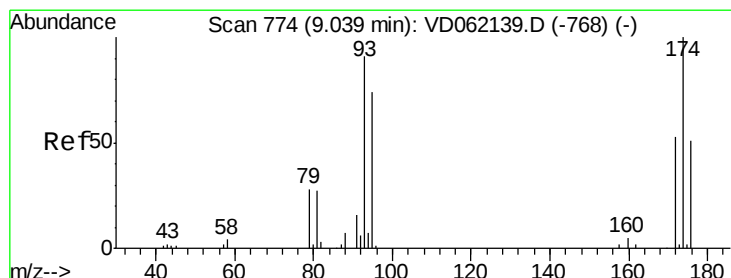
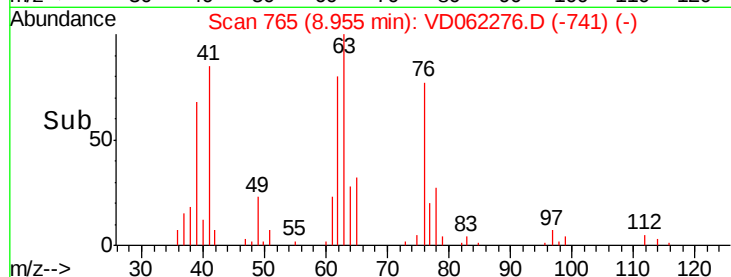
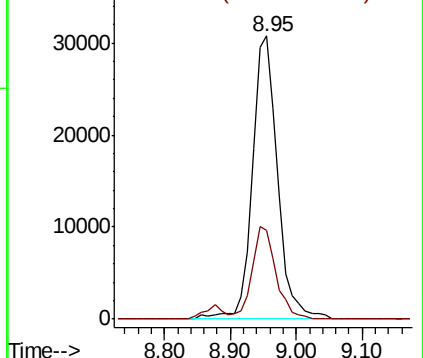
63 100

65 31.5 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.653 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

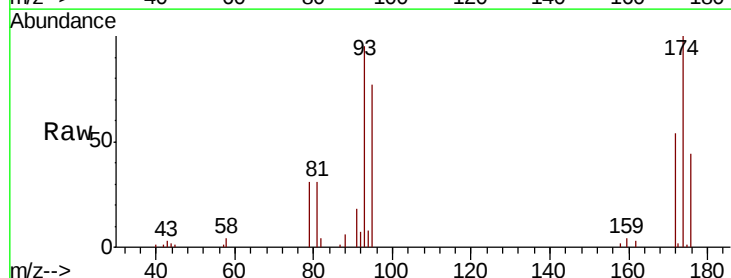
Tgt Ion: 93 Resp: 73214

Ion Ratio Lower Upper

93 100

95 81.0 64.8 97.2

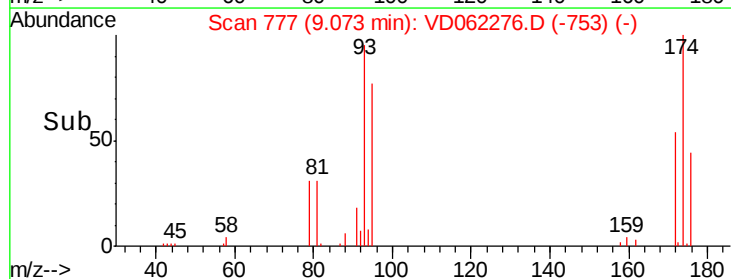
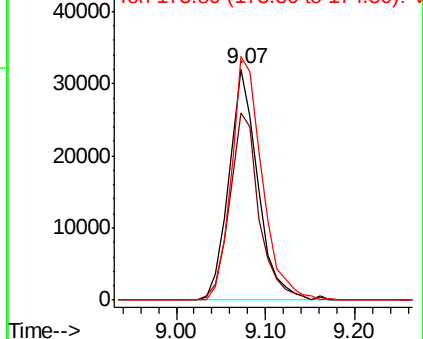
174 105.4 79.3 118.9

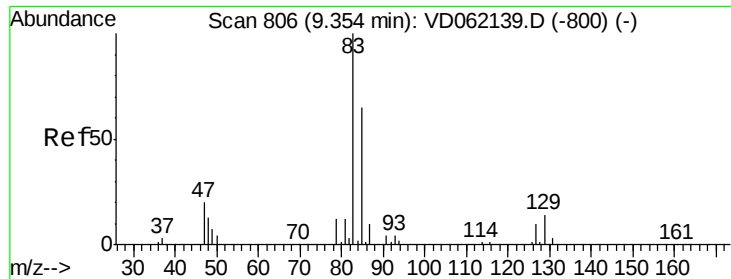


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.624 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD02

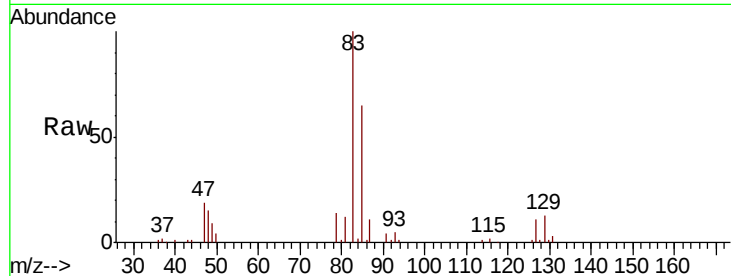
Tot Ion: 83 Resp: 187112

Ion Ratio Lower Upper

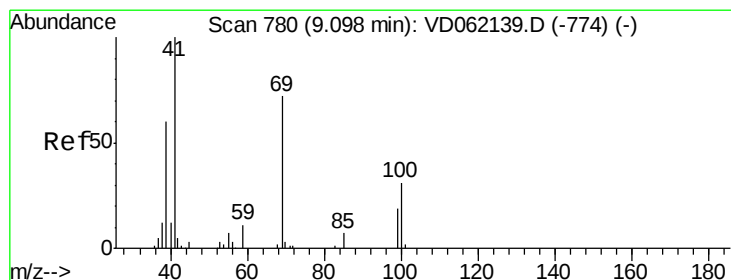
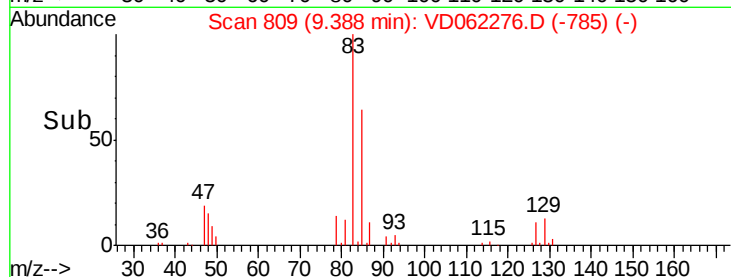
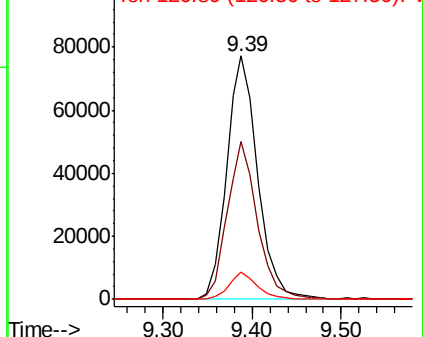
83 100

85 64.7 50.9 76.3

127 11.0 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 23.500 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

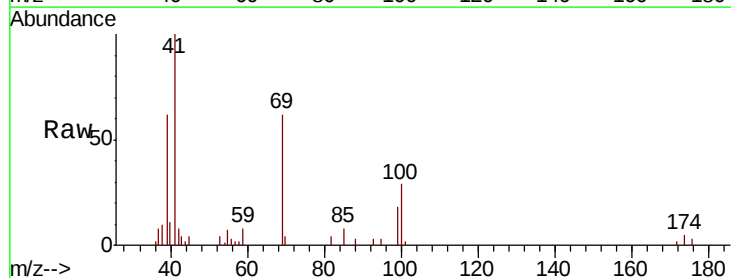
Tgt Ion: 41 Resp: 64812

Ion Ratio Lower Upper

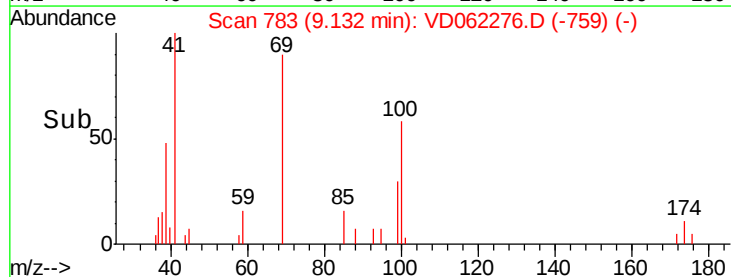
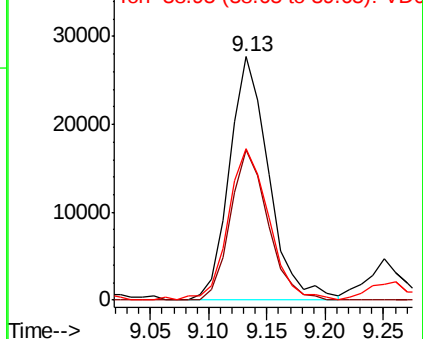
41 100

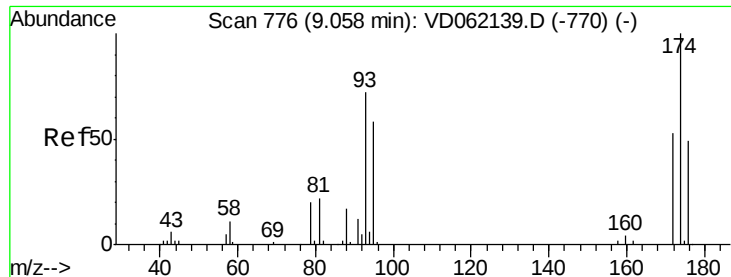
69 61.9 64.2 96.2#

39 62.2 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

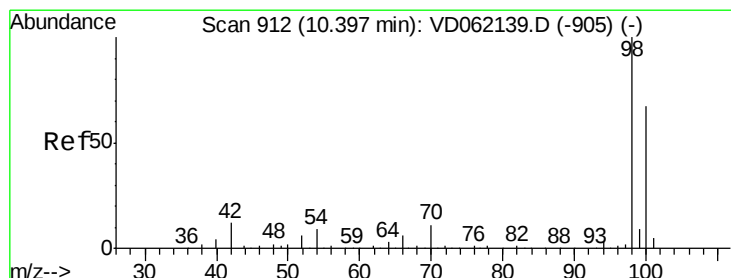
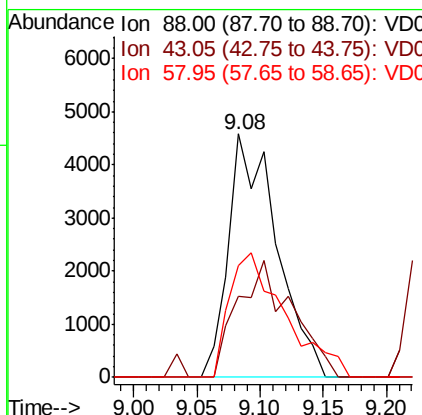
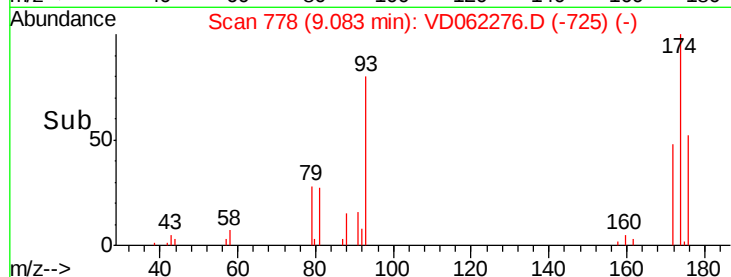
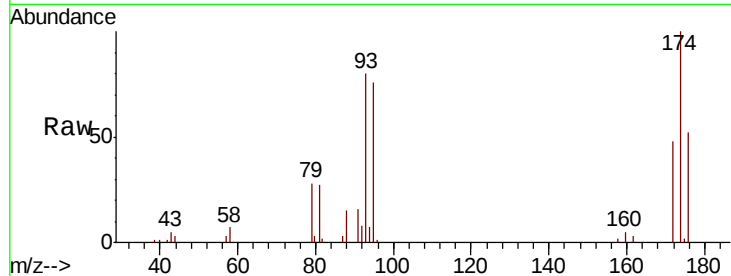




#49
 1,4-Dioxane
 Concen: 408.752 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.02 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

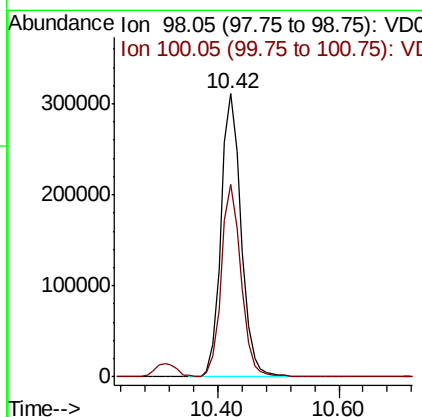
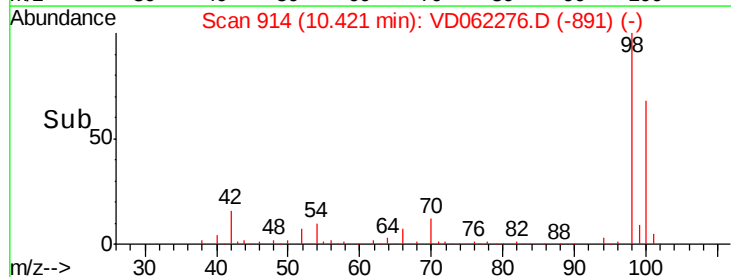
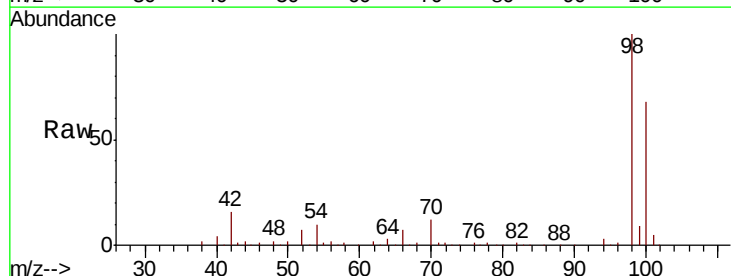
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

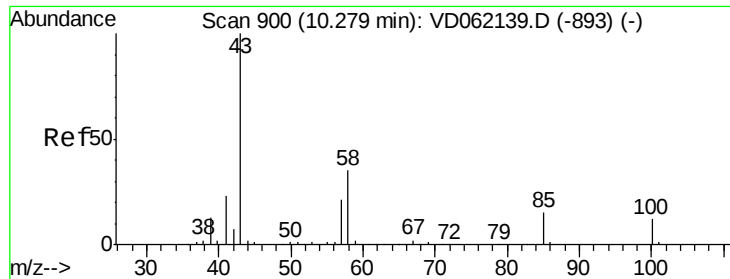
Tot Ion: 88 Resp: 12163
 Ion Ratio Lower Upper
 88 100
 43 33.2 23.4 35.0
 58 45.8 44.0 66.0



#50
 Toluene-d8
 Concen: 39.518 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Tgt Ion: 98 Resp: 717781
 Ion Ratio Lower Upper
 98 100
 100 68.1 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 112.735 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

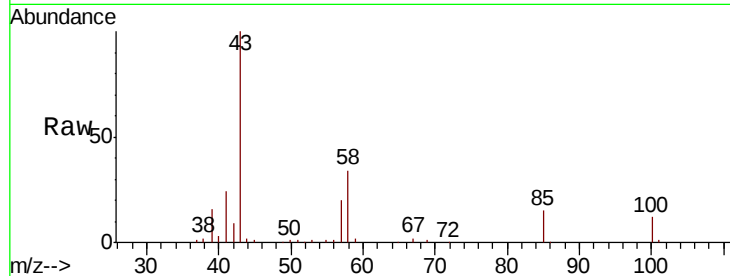
VD0512SBS02

Tot Ion: 43 Resp: 324466

Ion Ratio Lower Upper

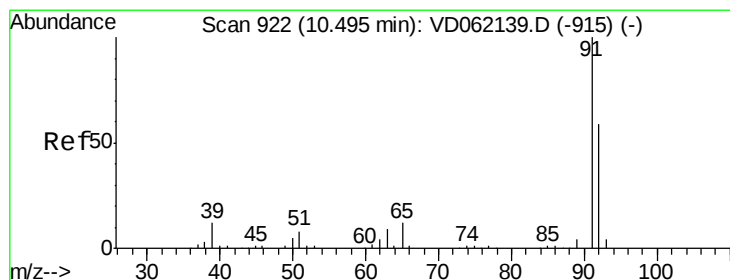
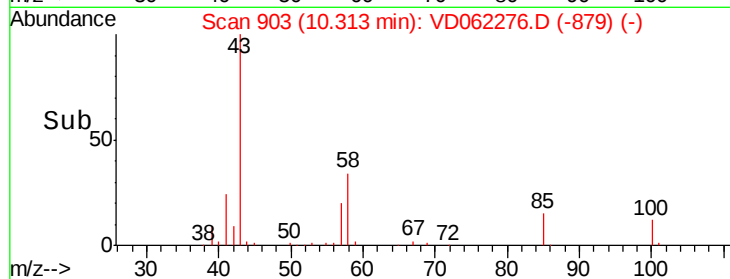
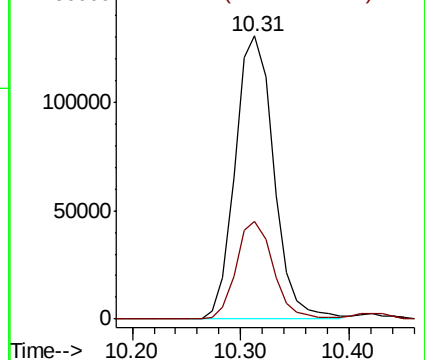
43 100

58 34.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.887 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062276.D

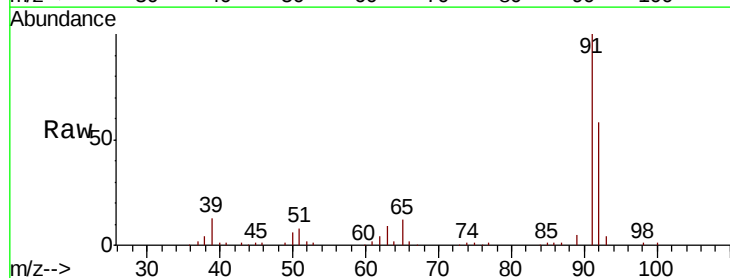
Acq: 13 May 2019 00:31

Tgt Ion: 92 Resp: 228447

Ion Ratio Lower Upper

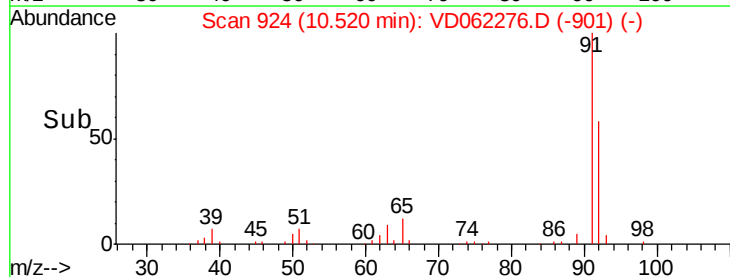
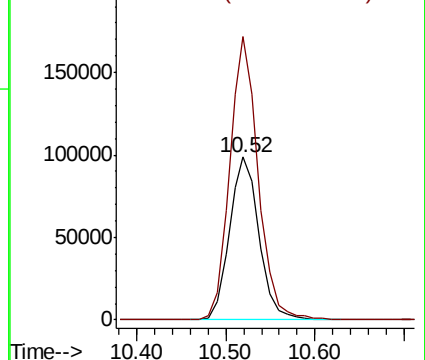
92 100

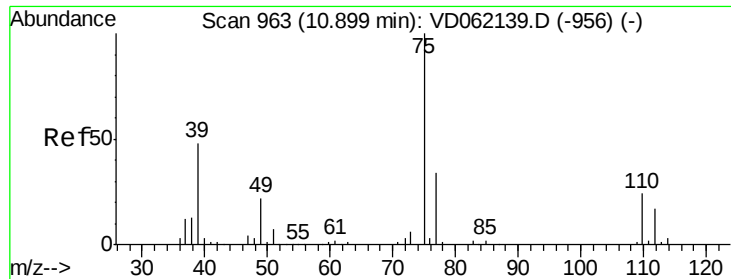
91 173.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.842 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

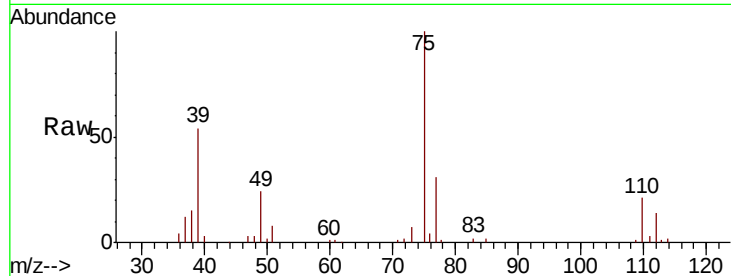
VD0512SBSD02

Tot Ion: 75 Resp: 156127

Ion Ratio Lower Upper

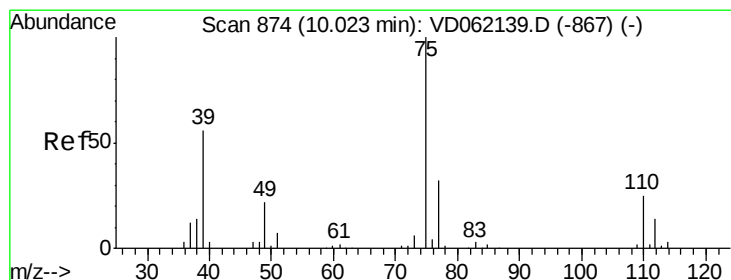
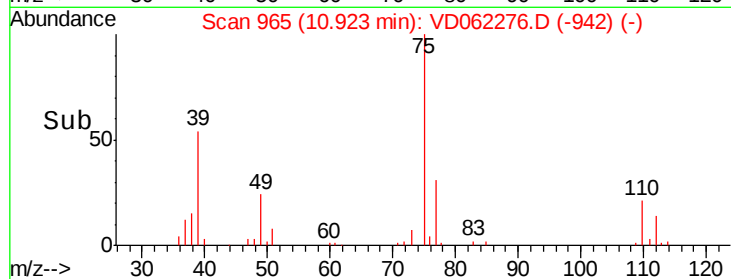
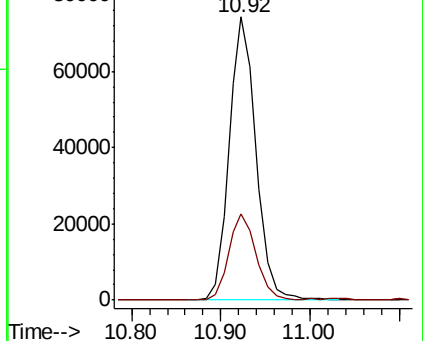
75 100

77 30.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.487 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

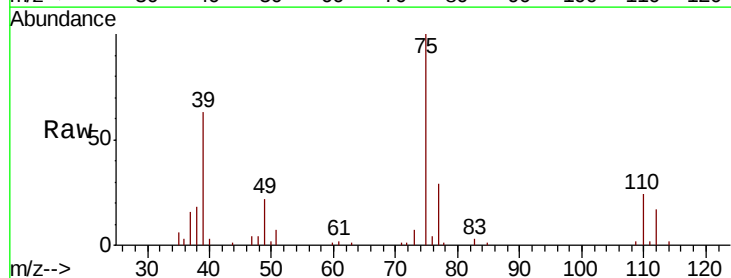
Tgt Ion: 75 Resp: 151959

Ion Ratio Lower Upper

75 100

77 28.7 25.5 38.3

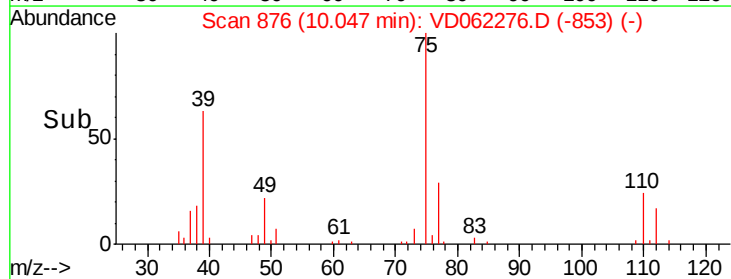
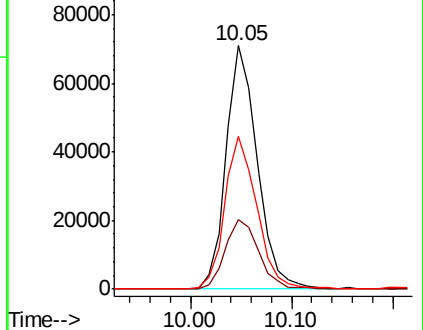
39 62.8 39.4 59.2#

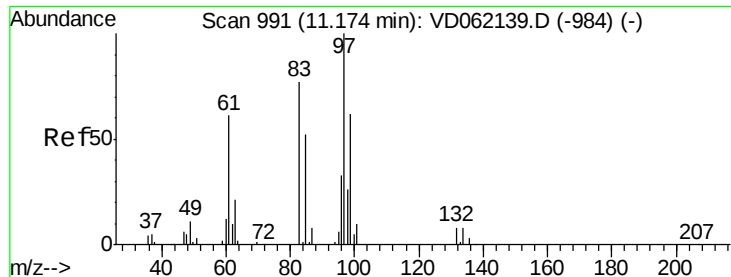


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

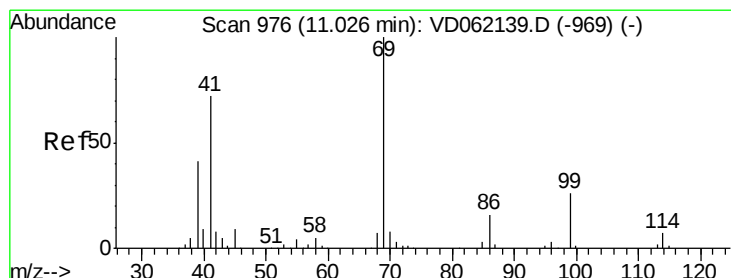
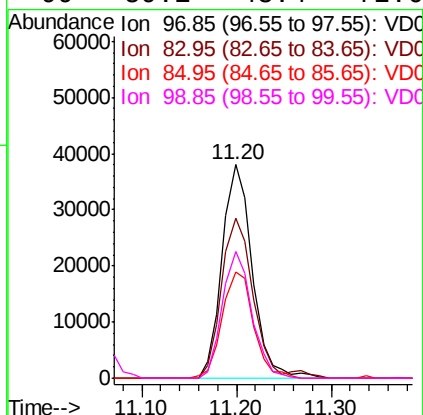
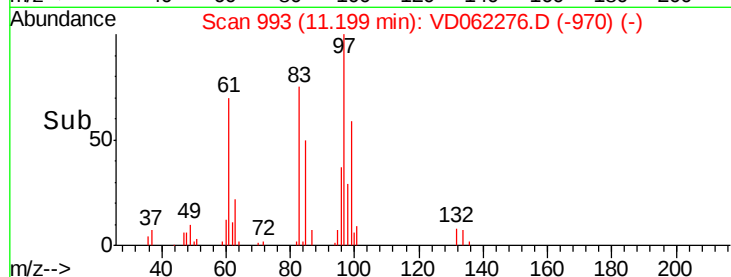
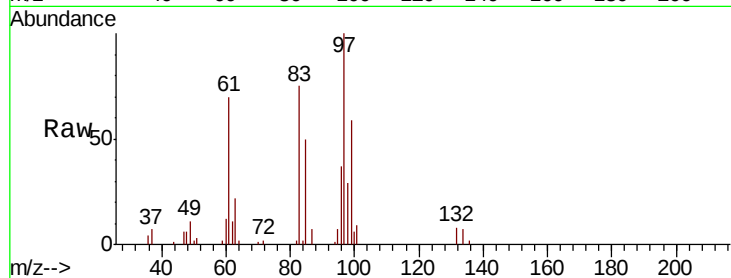




#55
 1,1,2-Trichloroethane
 Concen: 21.735 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

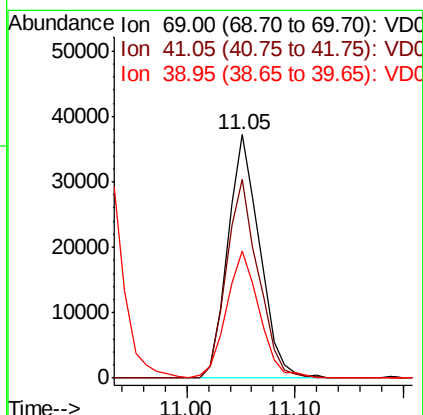
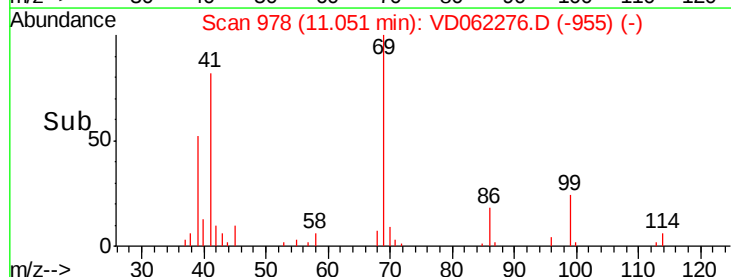
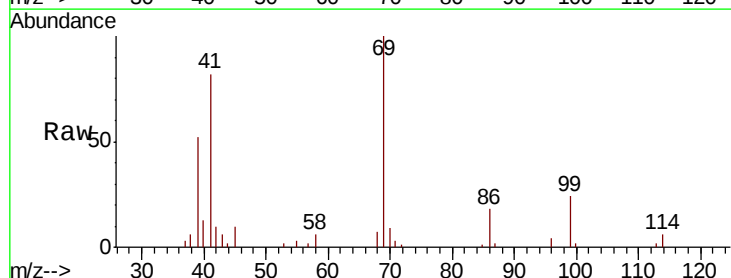
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

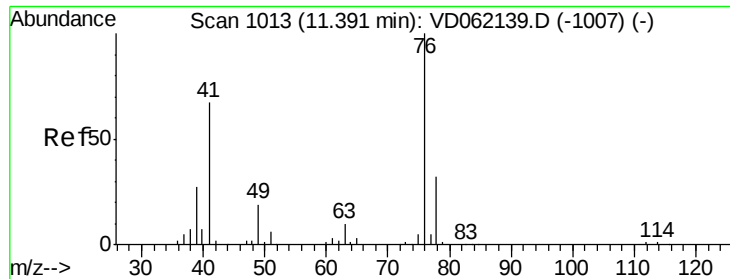
Tot Ion: 97 Resp: 84114
 Ion Ratio Lower Upper
 97 100
 83 74.7 65.7 98.5
 85 49.7 45.6 68.4
 99 59.1 48.4 72.6



#56
 Ethyl methacrylate
 Concen: 18.940 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Tgt Ion: 69 Resp: 76165
 Ion Ratio Lower Upper
 69 100
 41 81.5 56.3 84.5
 39 52.2 29.4 44.2#





#57

1,3-Dichloropropane

Concen: 20.753 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

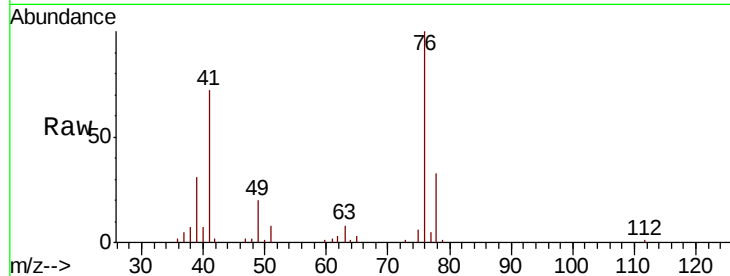
VD0512SBSD02

Tot Ion: 76 Resp: 121330

Ion Ratio Lower Upper

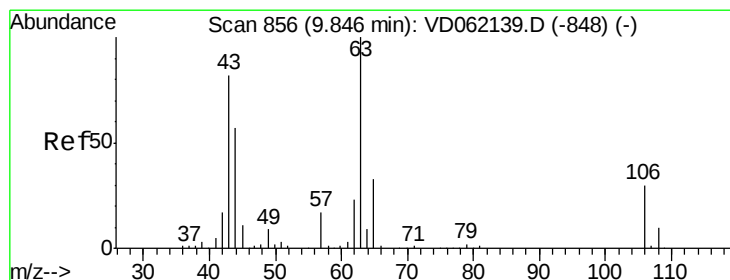
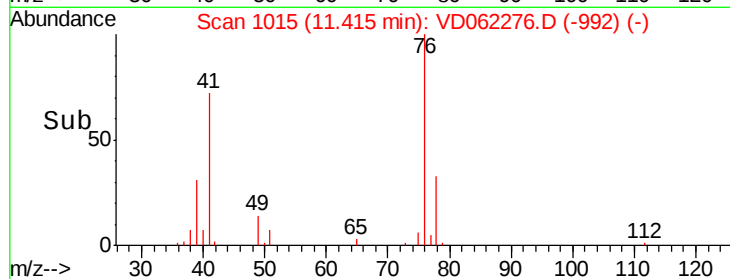
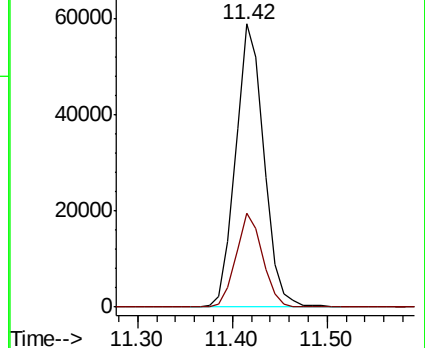
76 100

78 33.4 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 113.195 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD062276.D

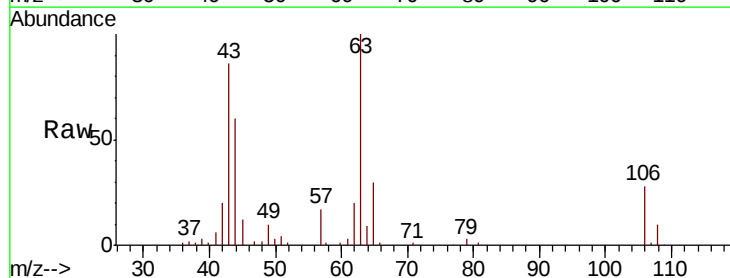
Acq: 13 May 2019 00:31

Tgt Ion: 63 Resp: 248648

Ion Ratio Lower Upper

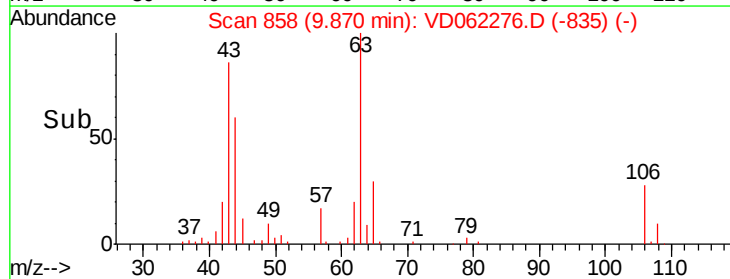
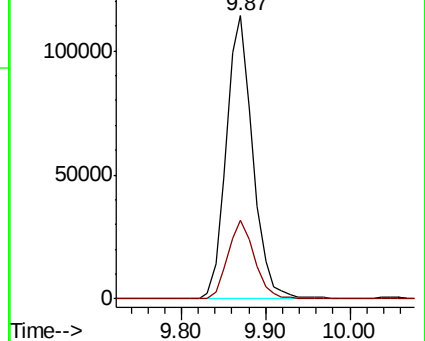
63 100

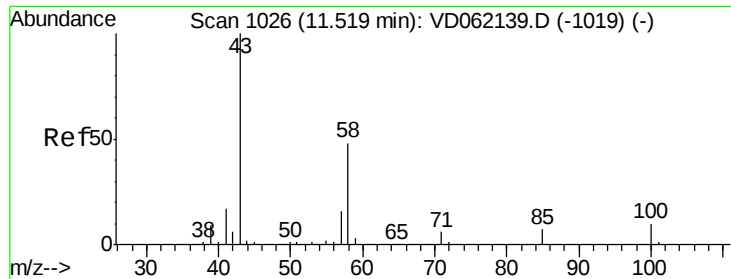
106 27.9 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

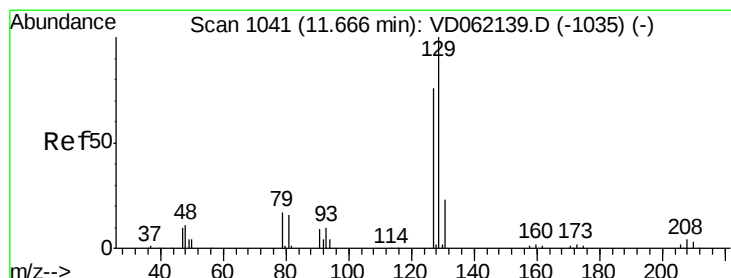
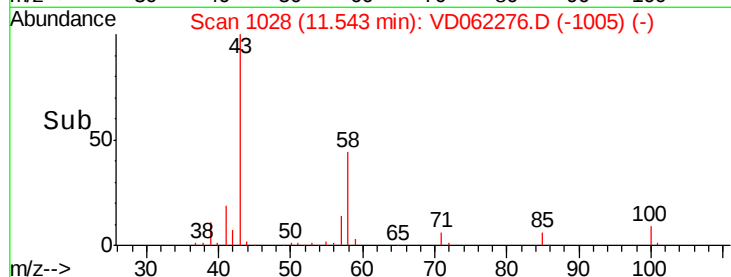
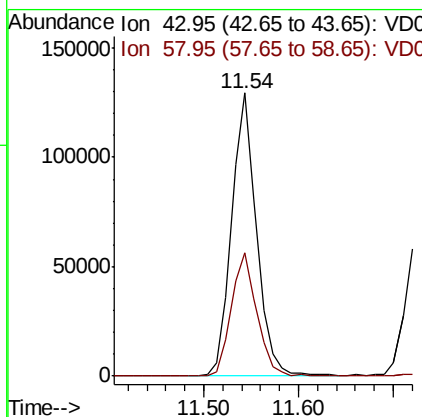
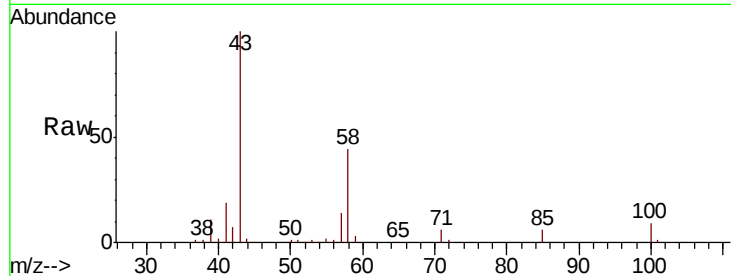




#59
2-Hexanone
Concen: 110.836 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

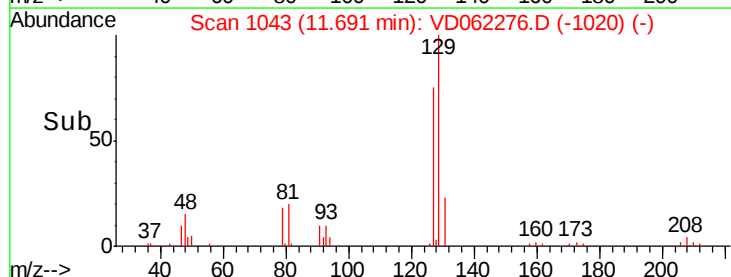
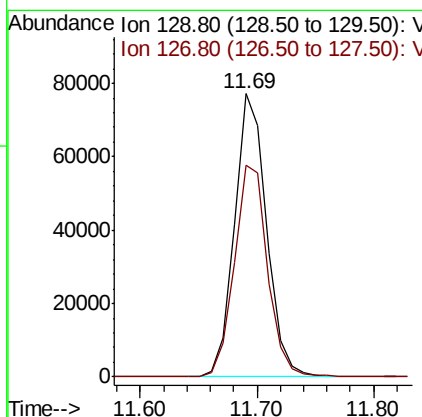
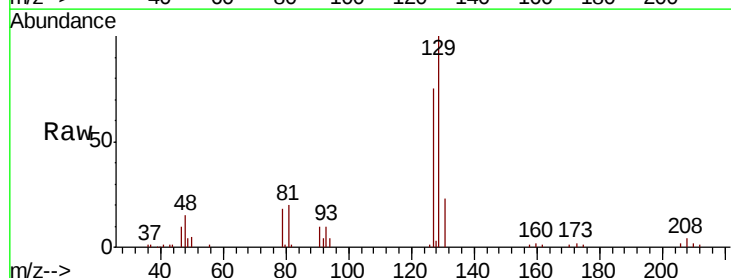
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

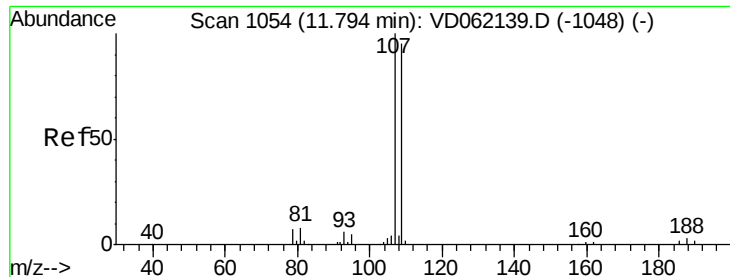
Tot Ion: 43 Resp: 235115
Ion Ratio Lower Upper
43 100
58 43.8 25.4 76.4



#60
Dibromochloromethane
Concen: 21.878 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion: 129 Resp: 146320
Ion Ratio Lower Upper
129 100
127 75.0 38.0 113.9

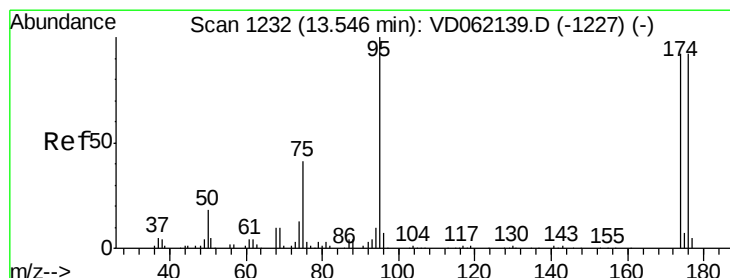
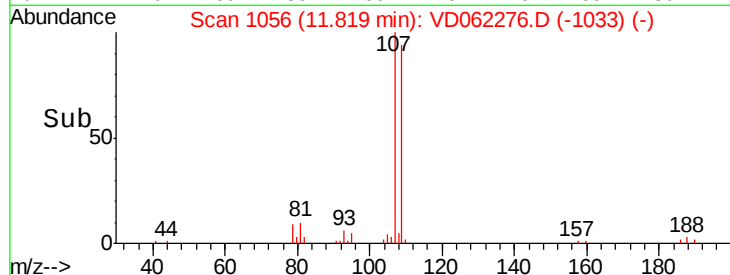
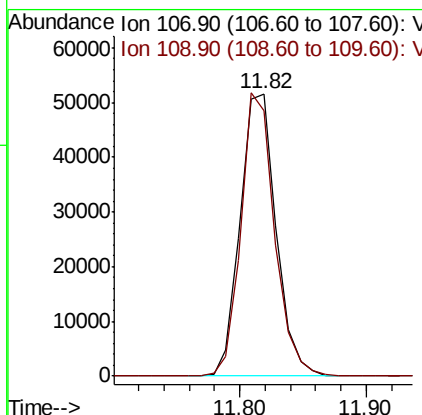
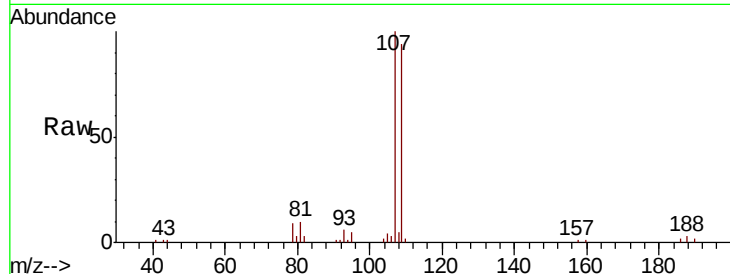




#61
 1,2-Dibromoethane
 Concen: 21.587 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

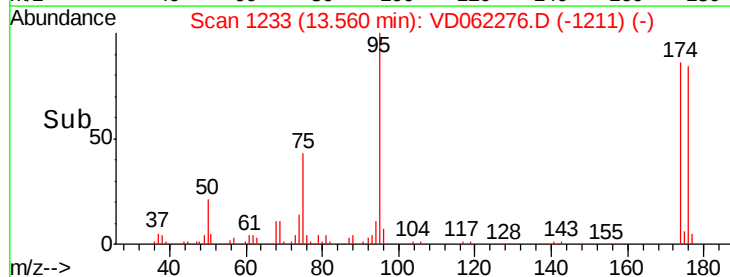
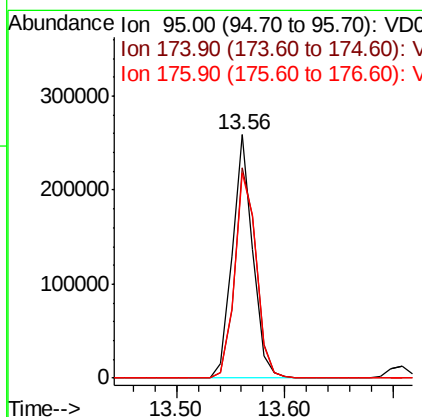
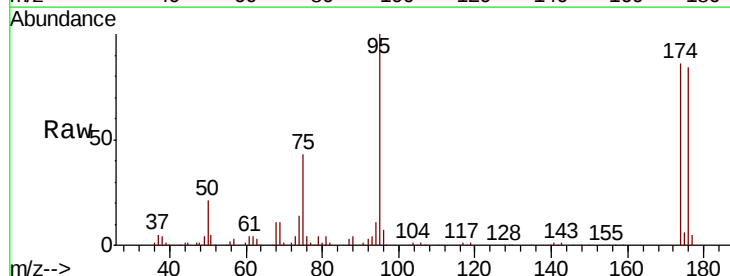
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

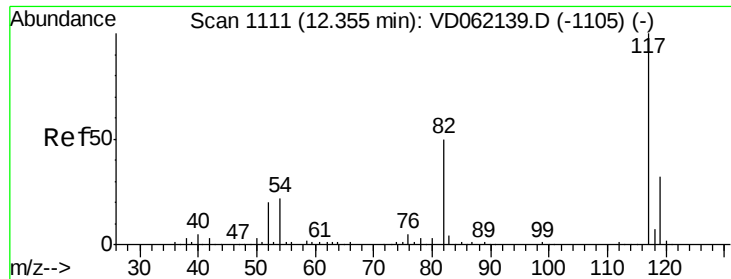
Tot Ion:107 Resp: 101566
 Ion Ratio Lower Upper
 107 100
 109 93.9 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 46.436 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Tgt Ion: 95 Resp: 338698
 Ion Ratio Lower Upper
 95 100
 174 86.3 0.0 181.8
 176 84.1 0.0 174.4

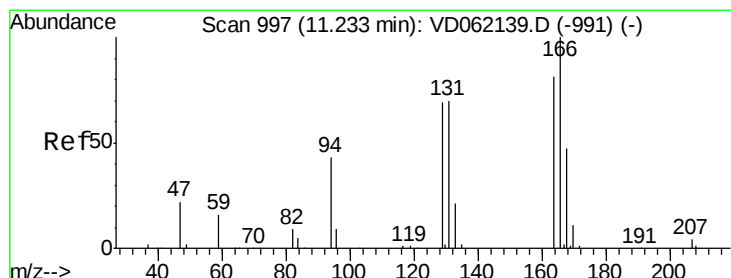
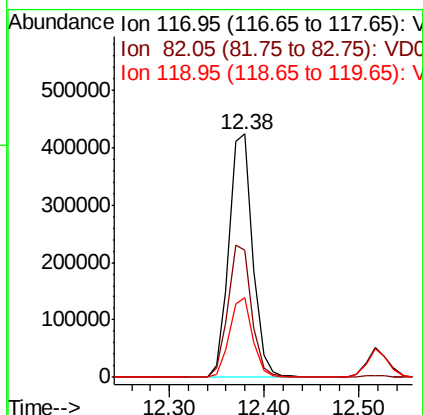
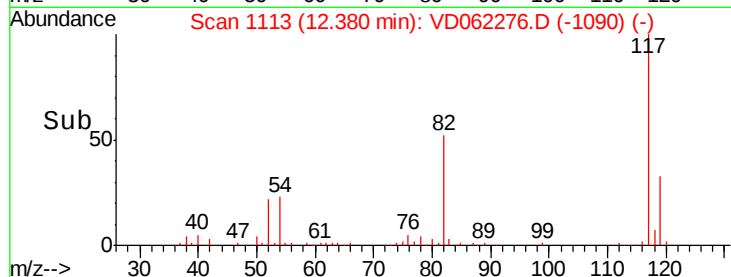
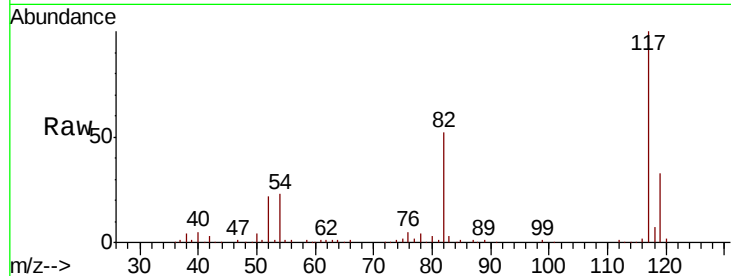




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

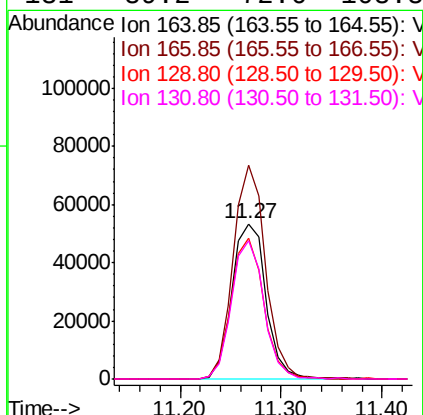
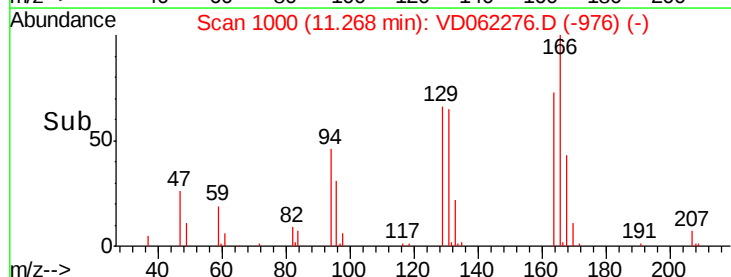
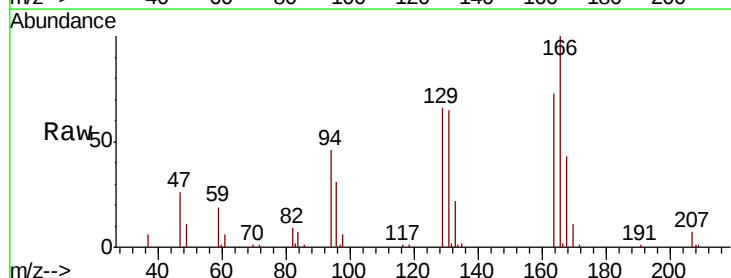
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

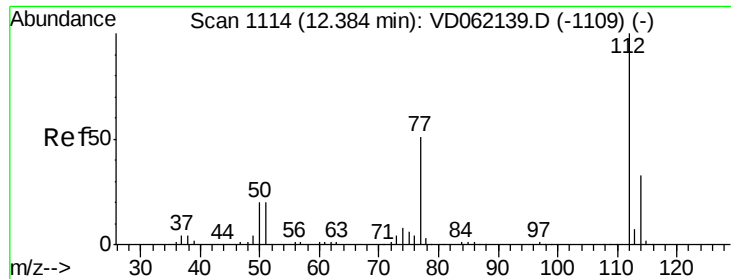
Tot Ion:117 Resp: 737988
Ion Ratio Lower Upper
117 100
82 52.0 36.2 54.2
119 32.6 26.2 39.4



#64
Tetrachloroethene
Concen: 21.650 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion:164 Resp: 124939
Ion Ratio Lower Upper
164 100
166 137.7 101.5 152.3
129 91.1 74.6 112.0
131 89.2 72.6 108.8

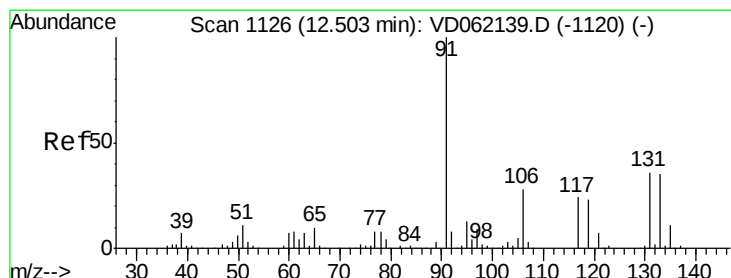
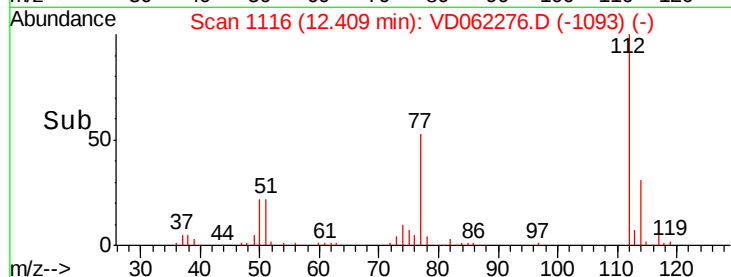
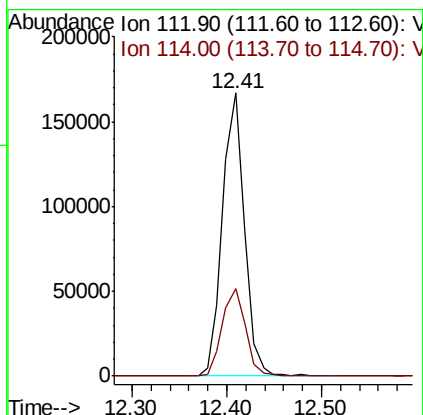
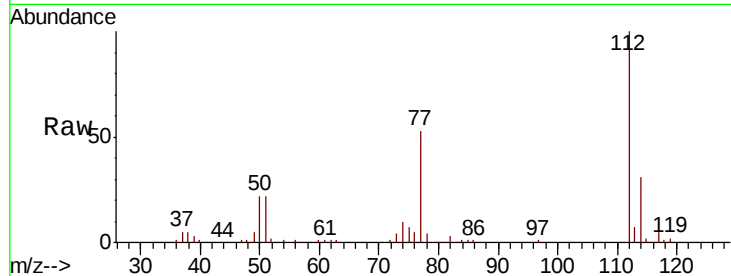




#65
Chlorobenzene
Concen: 19.603 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

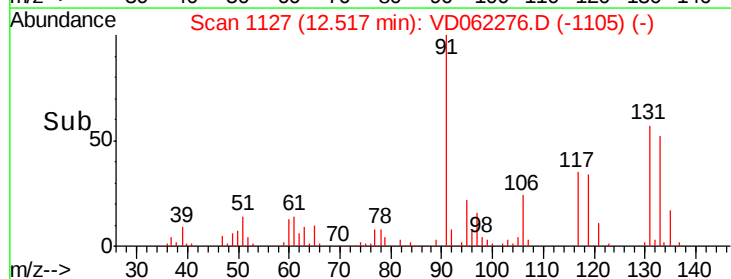
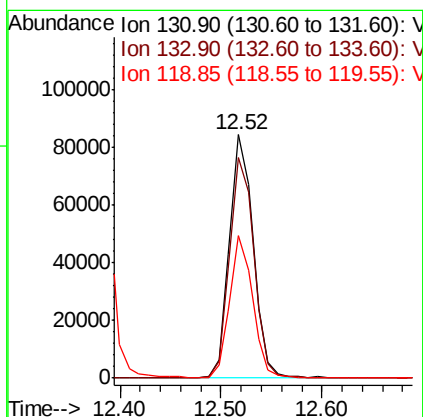
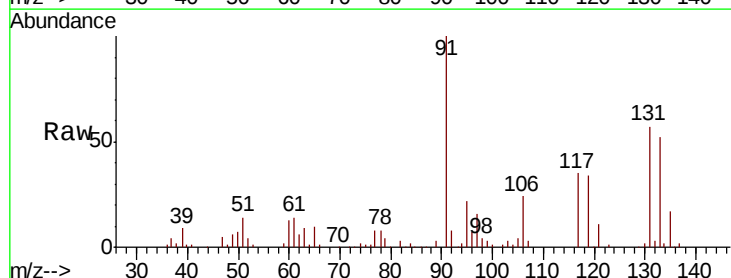
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

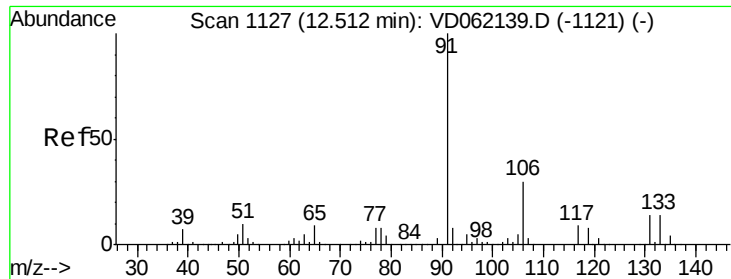
Tot Ion:112 Resp: 269445
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.074 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion:131 Resp: 138033
Ion Ratio Lower Upper
131 100
133 90.5 48.6 145.8
119 58.6 34.7 104.1

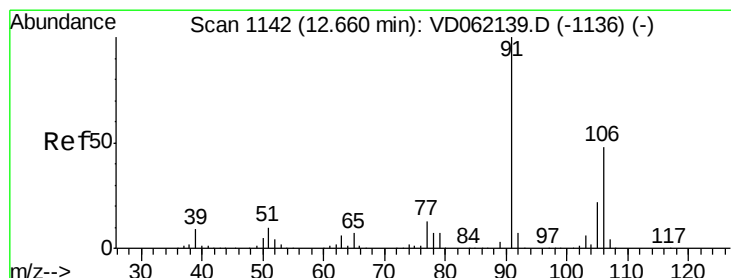
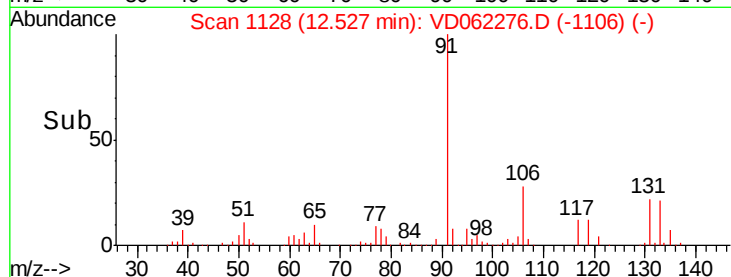
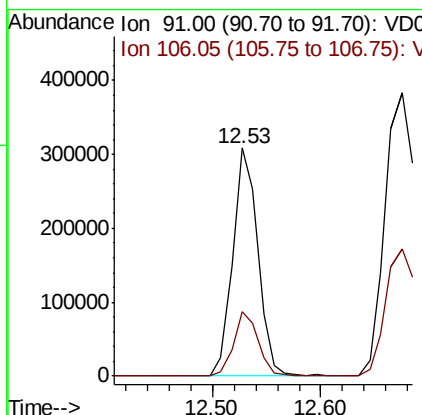
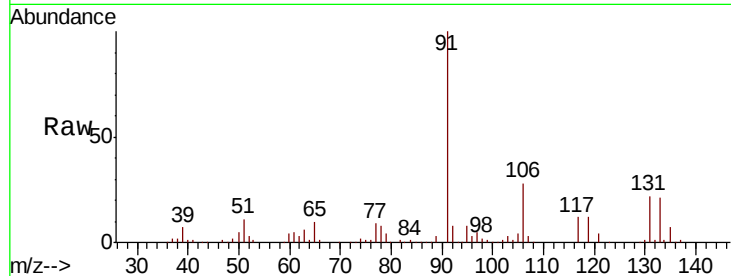




#67
Ethvl Benzene
Concen: 21.677 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

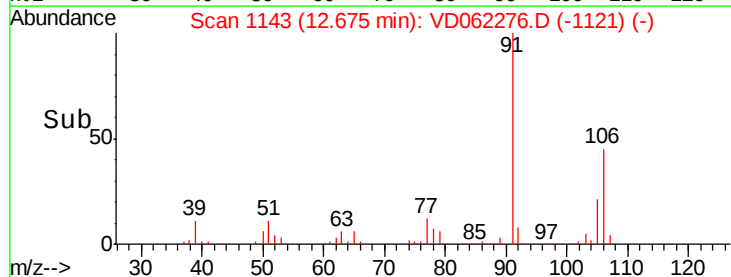
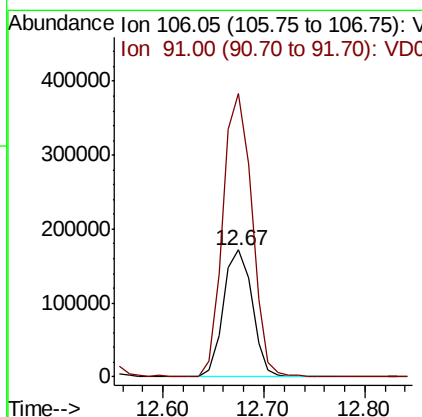
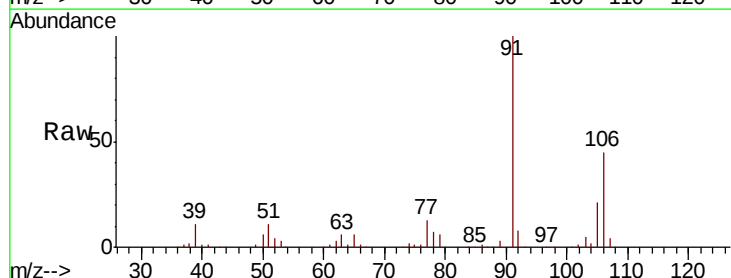
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

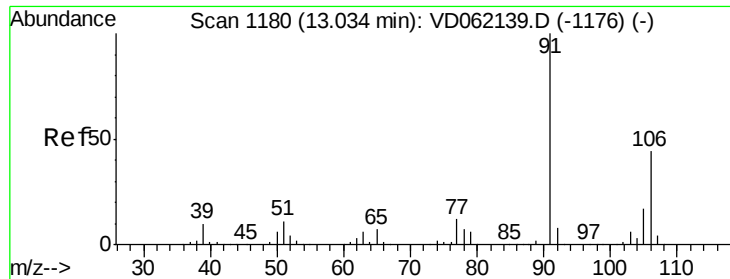
Tot Ion: 91 Resp: 498818
Ion Ratio Lower Upper
91 100
106 28.4 24.7 37.1



#68
m/p-Xylenes
Concen: 40.834 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion:106 Resp: 341868
Ion Ratio Lower Upper
106 100
91 223.3 164.0 246.0

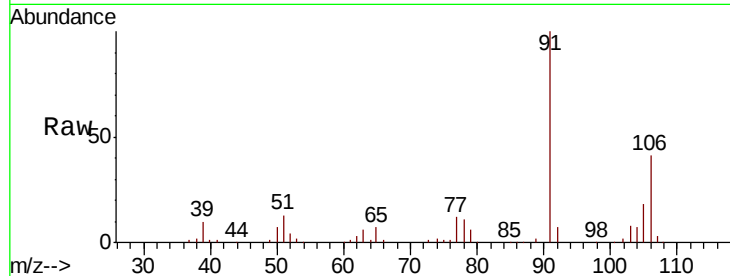




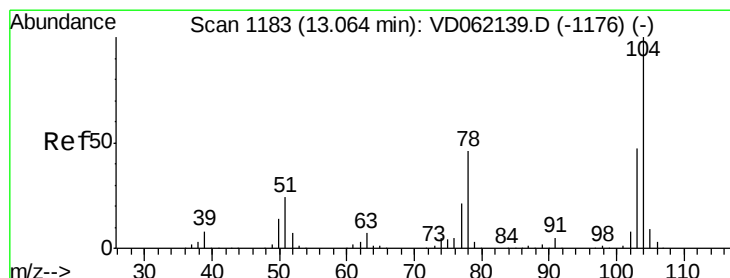
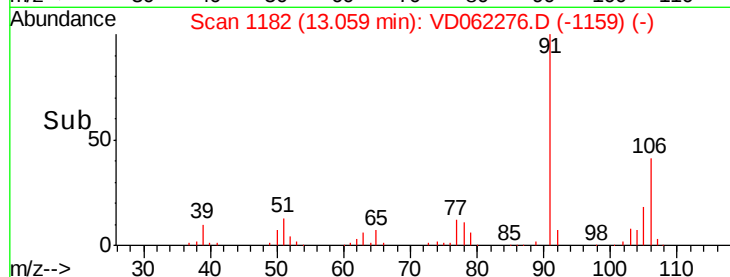
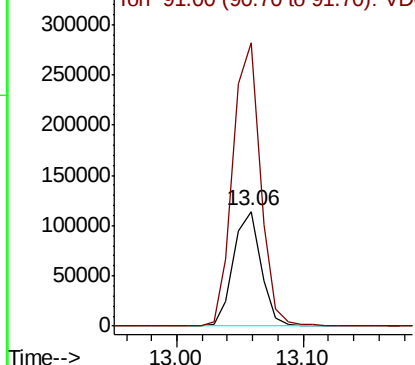
#69
o-Xylene
Concen: 22.127 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

Tot Ion:106 Resp: 172226
Ion Ratio Lower Upper
106 100
91 246.3 106.7 319.9

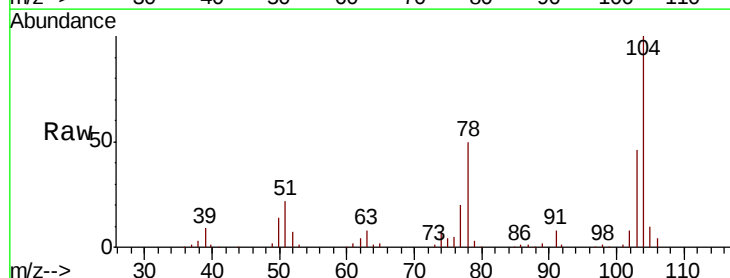


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

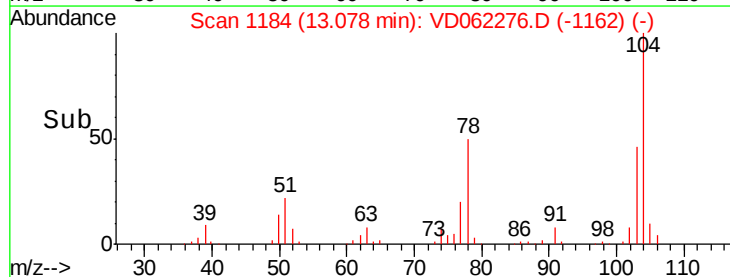
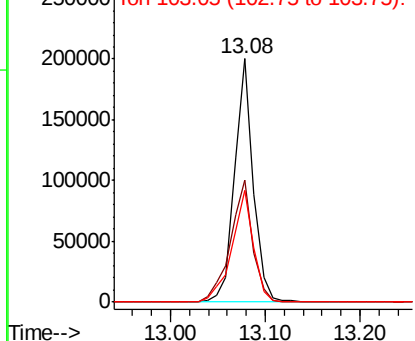


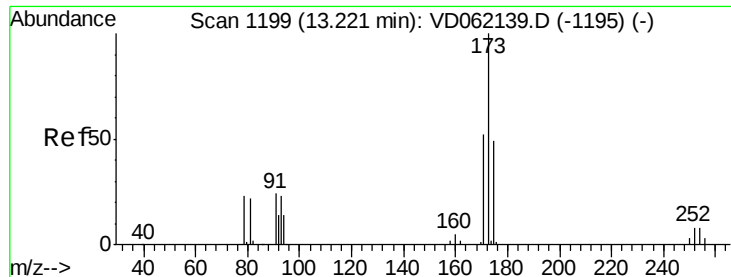
#70
Styrene
Concen: 20.764 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion:104 Resp: 273781
Ion Ratio Lower Upper
104 100
78 50.3 35.4 53.2
103 46.2 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V

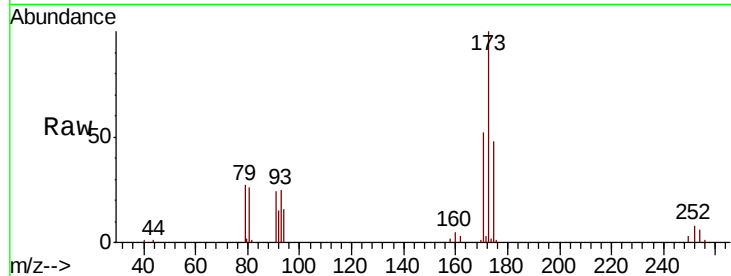




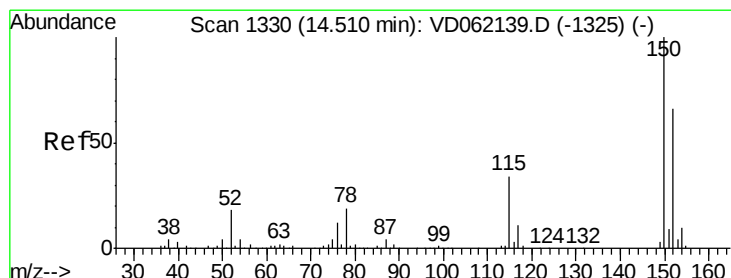
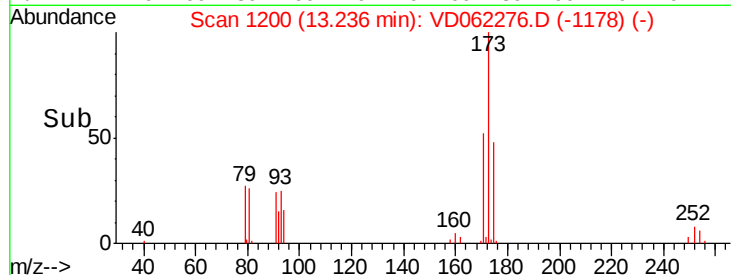
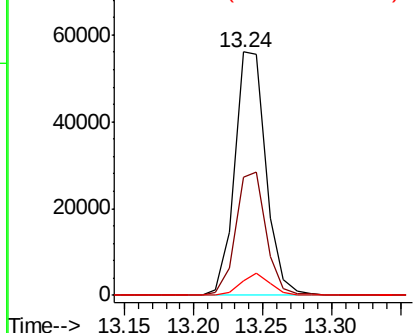
#71
Bromoform
Concen: 21.367 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

Tot Ion:173 Resp: 88930
Ion Ratio Lower Upper
173 100
175 48.4 24.4 73.4
254 5.7 5.4 8.2

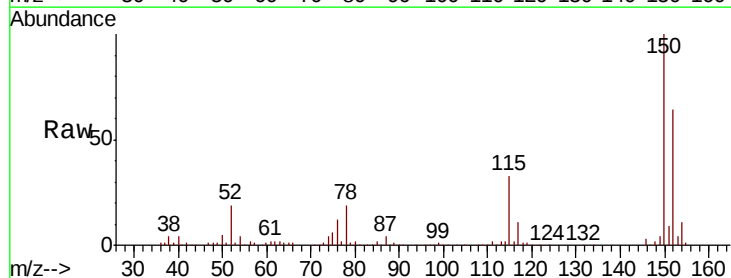


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

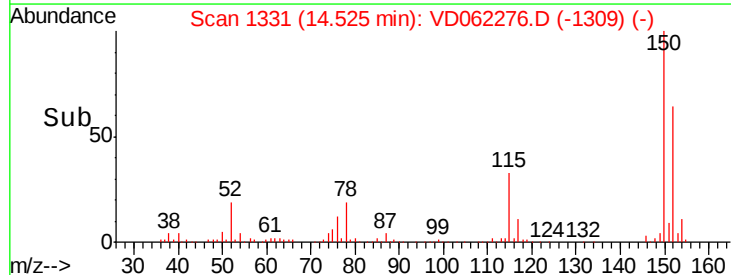
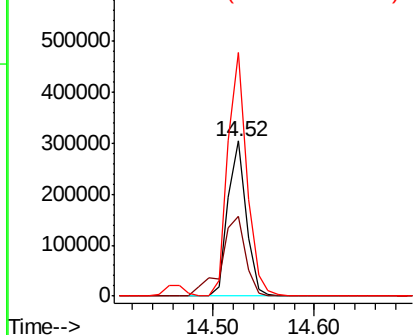


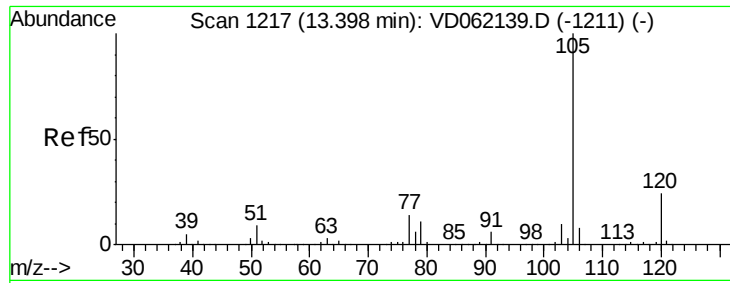
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion:152 Resp: 385366
Ion Ratio Lower Upper
152 100
115 51.9 30.9 92.7
150 157.4 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.653 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

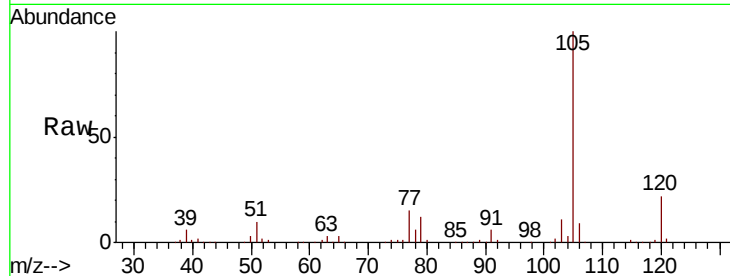
VD0512SBSD02

Tot Ion:105 Resp: 477089

Ion Ratio Lower Upper

105 100

120 22.2 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

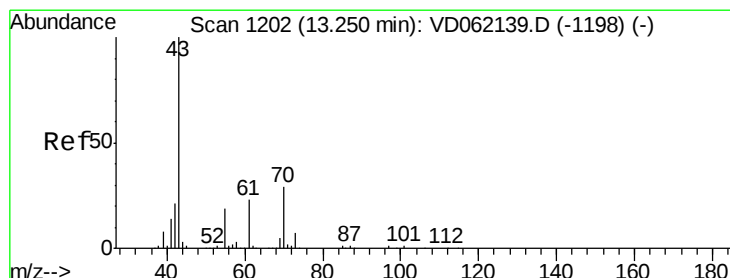
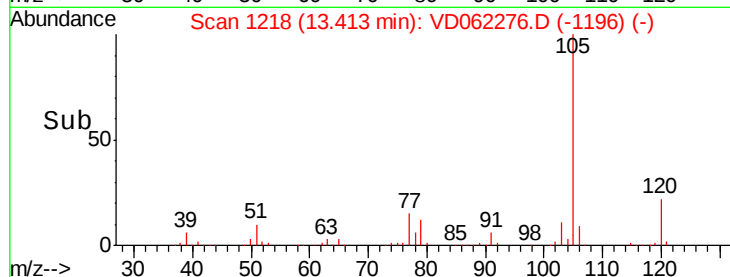
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.317 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Tgt Ion: 43 Resp: 135157

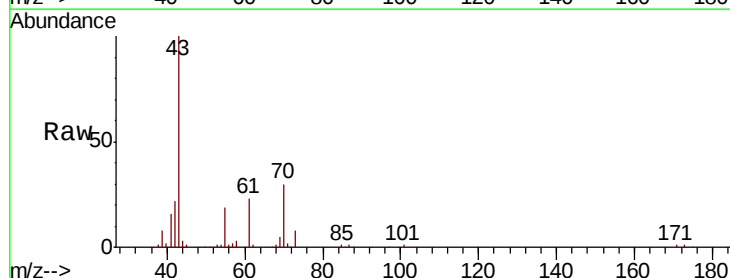
Ion Ratio Lower Upper

43 100

70 29.6 24.2 36.4

55 19.1 16.0 24.0

61 23.5 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

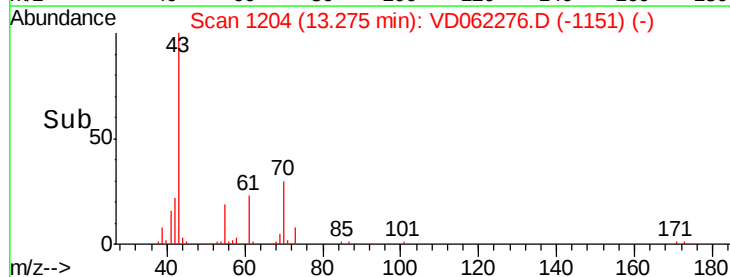
150000

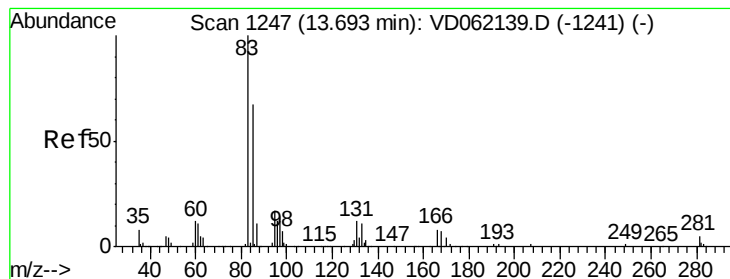
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.505 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD02

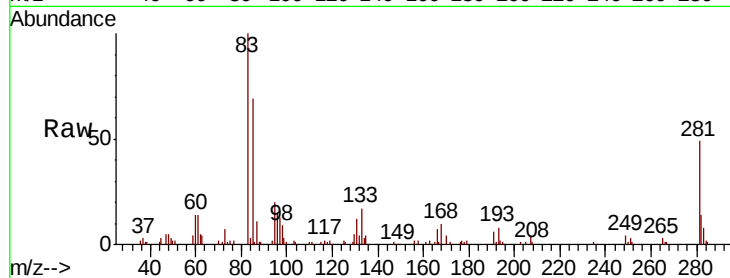
Tot Ion: 83 Resp: 94046

Ion Ratio Lower Upper

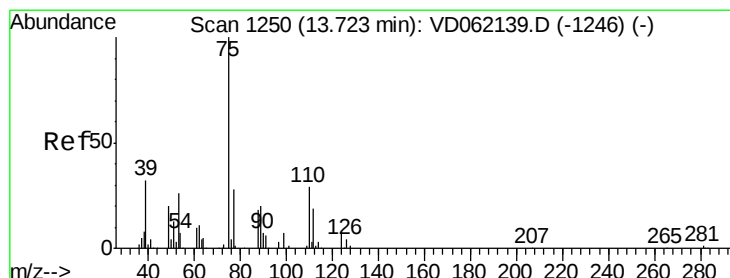
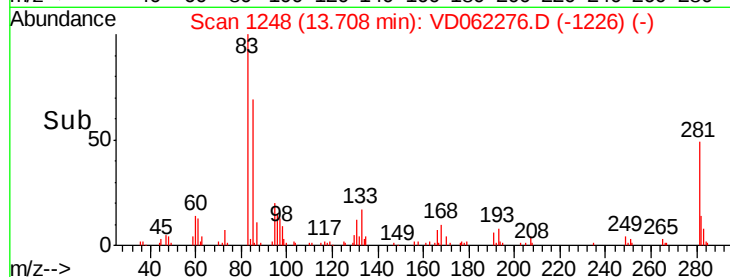
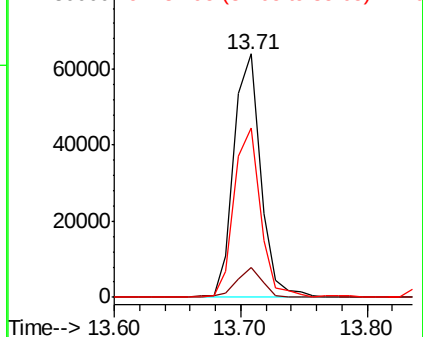
83 100

131 12.2 5.0 14.9

85 69.4 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 24.005 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062276.D

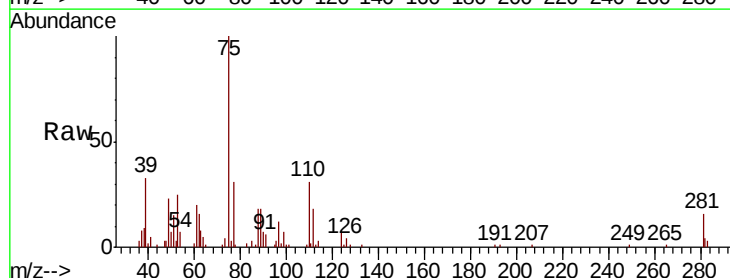
Acq: 13 May 2019 00:31

Tgt Ion: 75 Resp: 109936

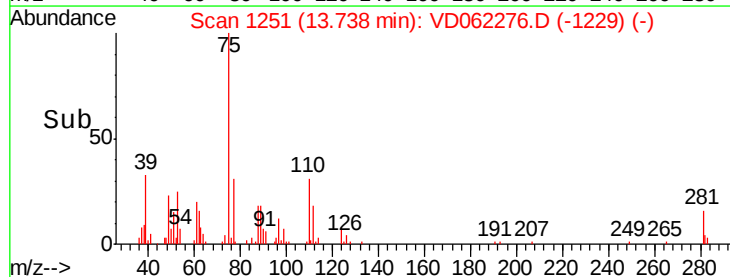
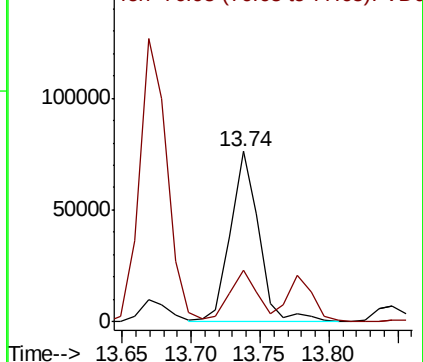
Ion Ratio Lower Upper

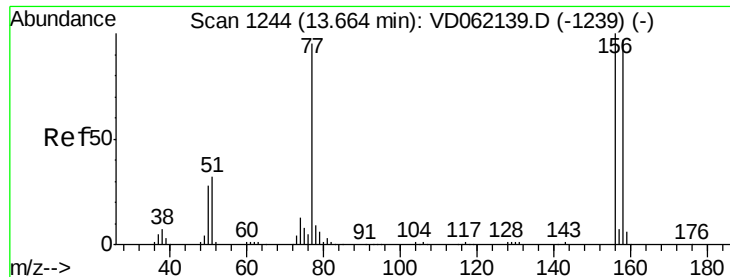
75 100

77 30.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.425 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD02

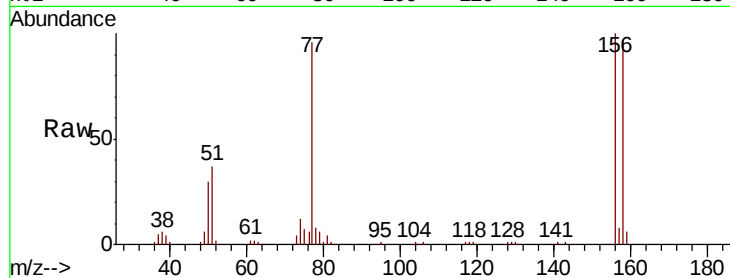
Tot Ion:156 Resp: 145010

Ion Ratio Lower Upper

156 100

77 96.2 53.1 159.4

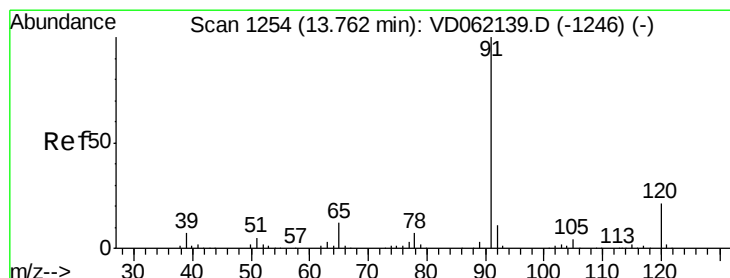
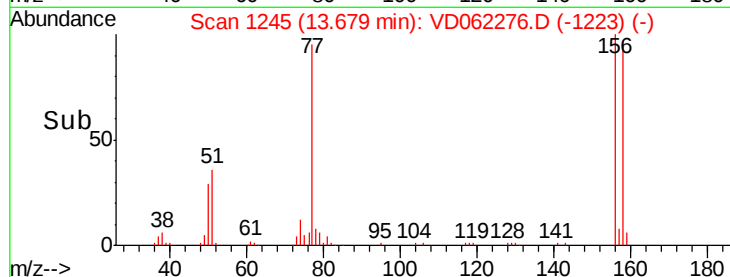
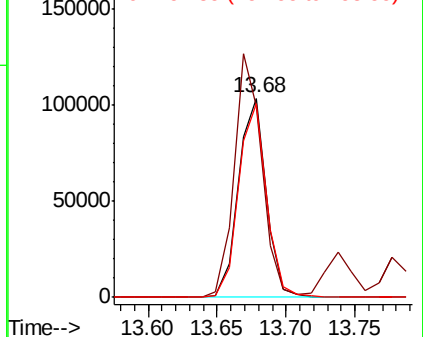
158 97.4 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.742 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062276.D

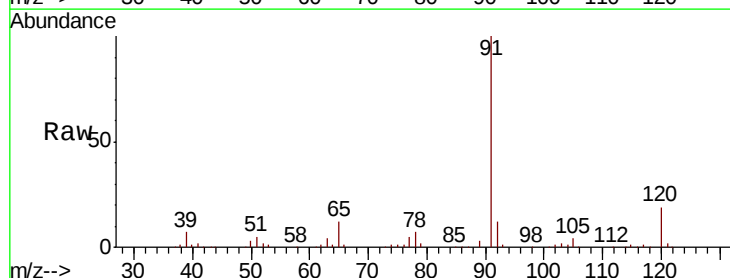
Acq: 13 May 2019 00:31

Tgt Ion: 91 Resp: 599128

Ion Ratio Lower Upper

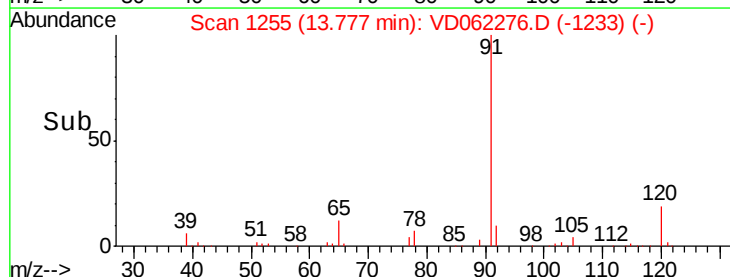
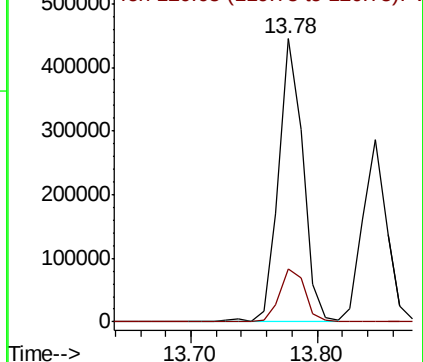
91 100

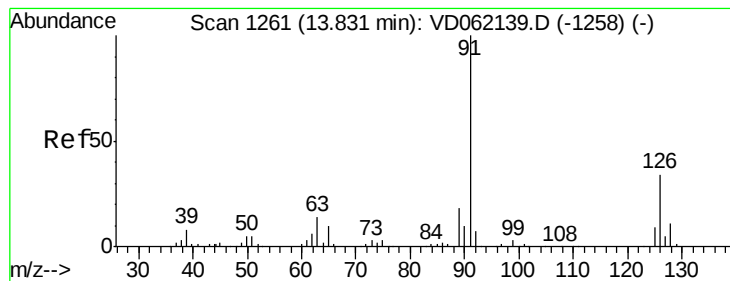
120 18.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.582 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

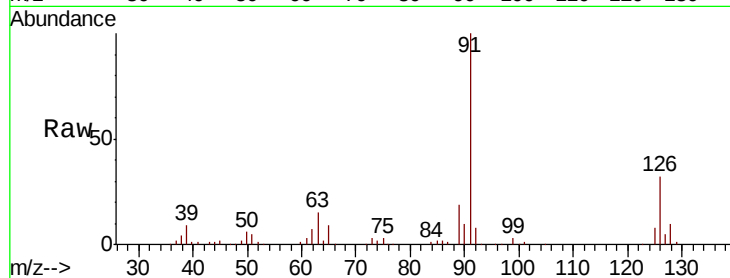
VD0512SBSD02

Tot Ion: 91 Resp: 372168

Ion Ratio Lower Upper

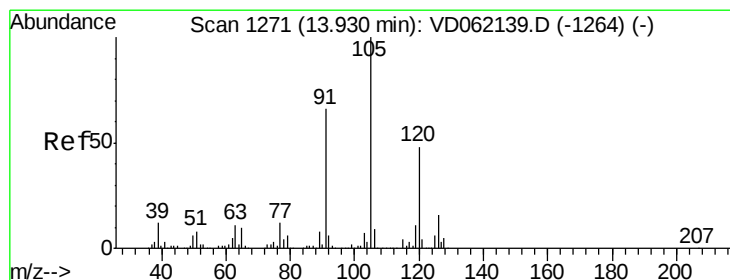
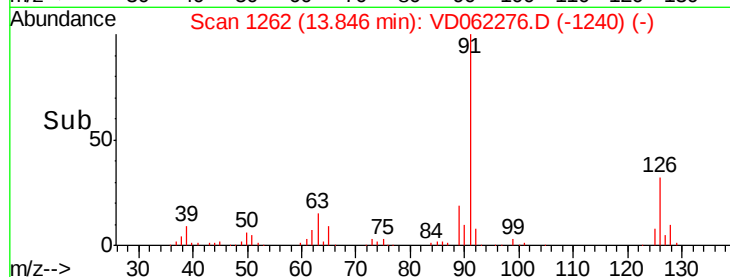
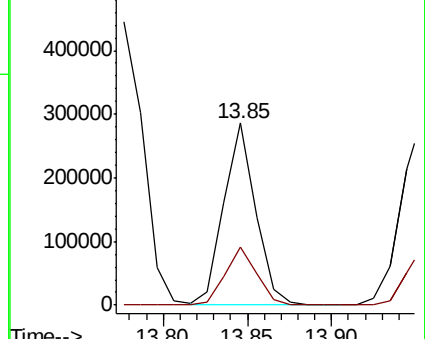
91 100

126 32.1 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.176 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062276.D

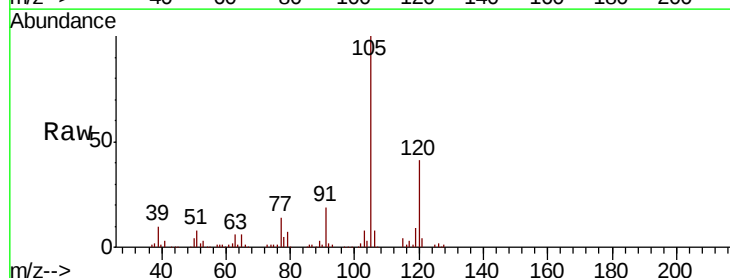
Acq: 13 May 2019 00:31

Tgt Ion:105 Resp: 431364

Ion Ratio Lower Upper

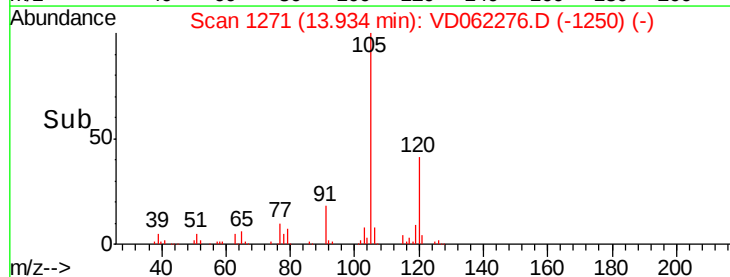
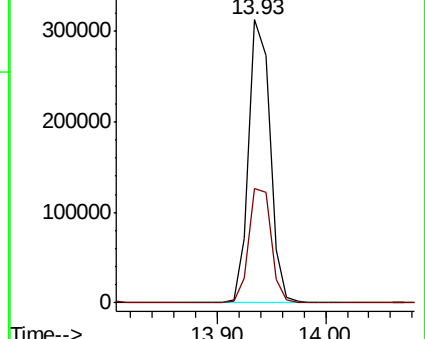
105 100

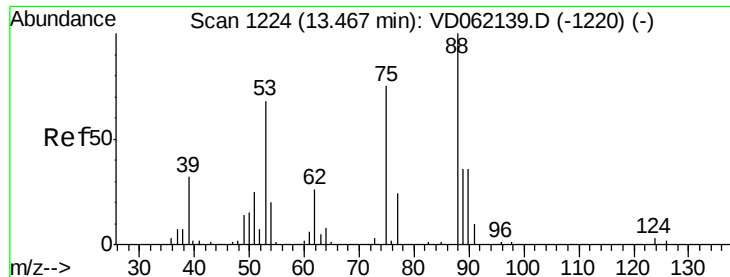
120 40.6 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.666 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062276.D

Acq: 13 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

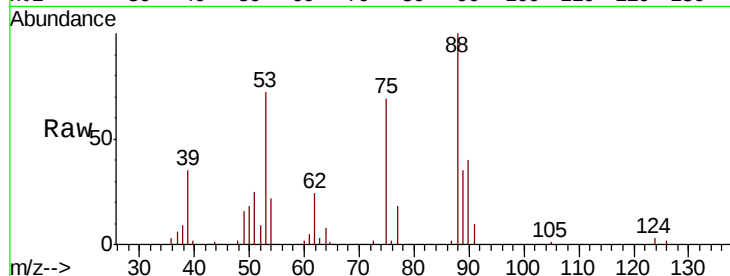
Tot Ion: 75 Resp: 24133

Ion Ratio Lower Upper

75 100

53 105.5 65.8 98.8#

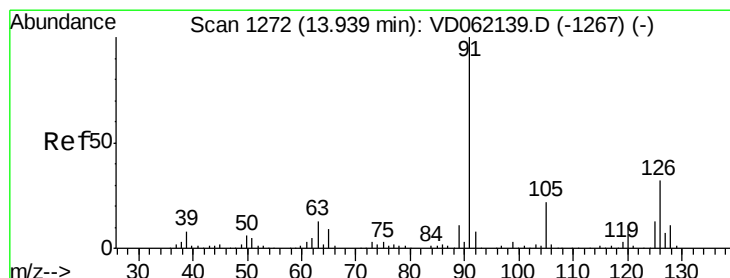
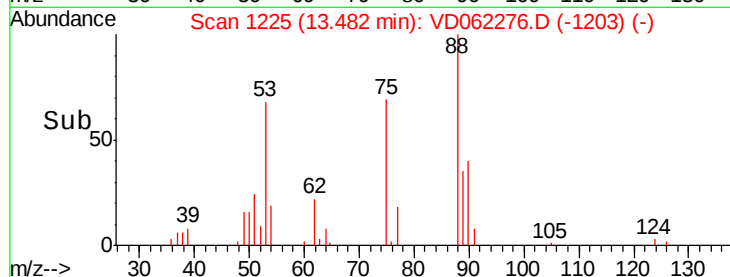
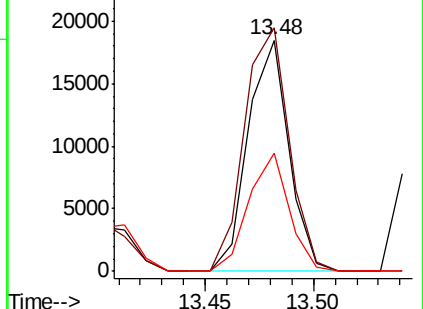
89 51.4 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.464 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062276.D

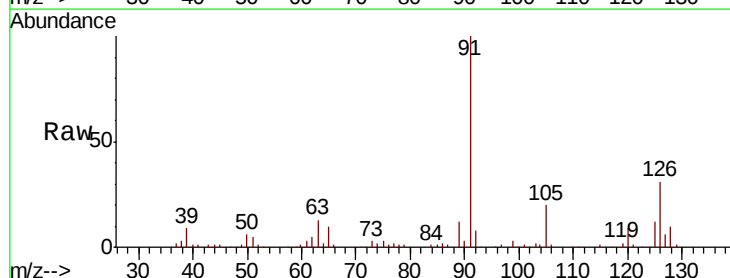
Acq: 13 May 2019 00:31

Tgt Ion: 91 Resp: 417180

Ion Ratio Lower Upper

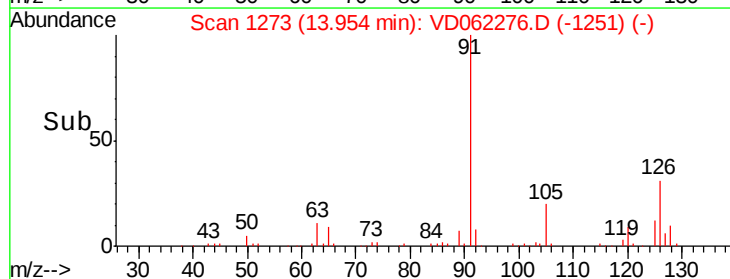
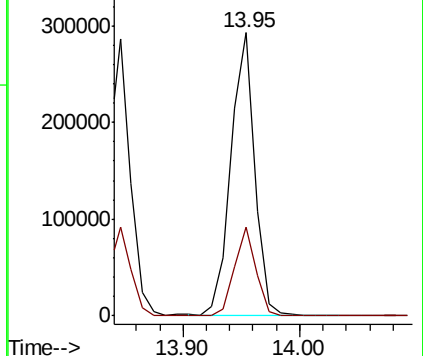
91 100

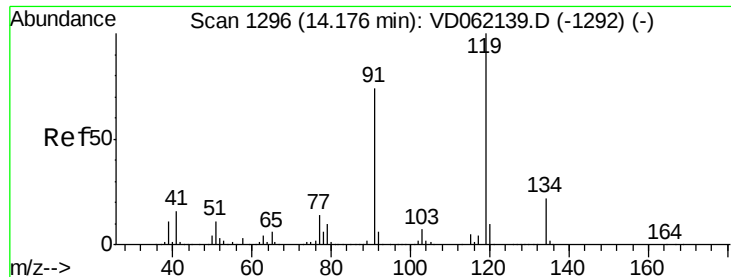
126 31.2 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

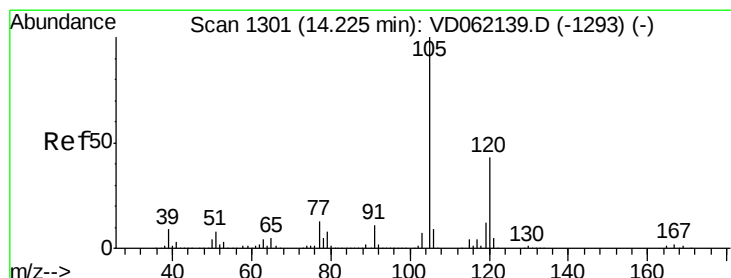
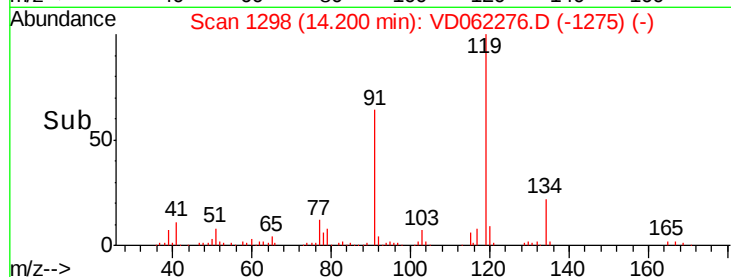
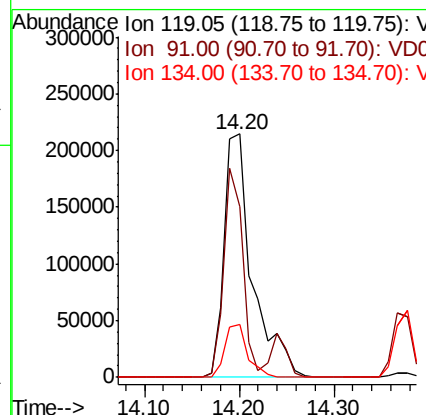
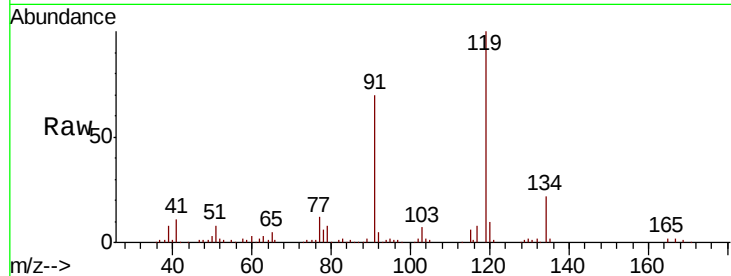




#83
 tert-Butylbenzene
 Concen: 20.266 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

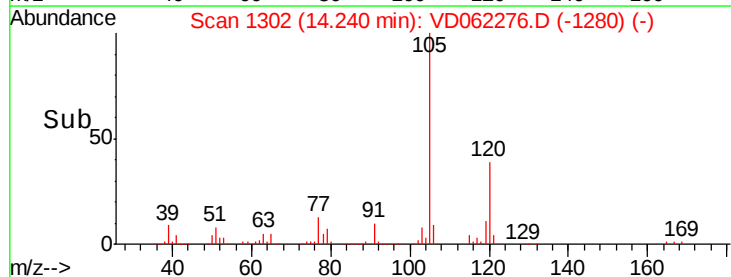
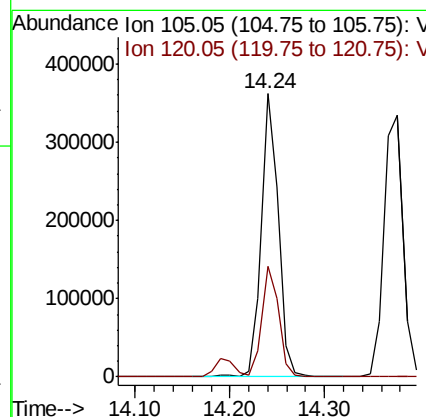
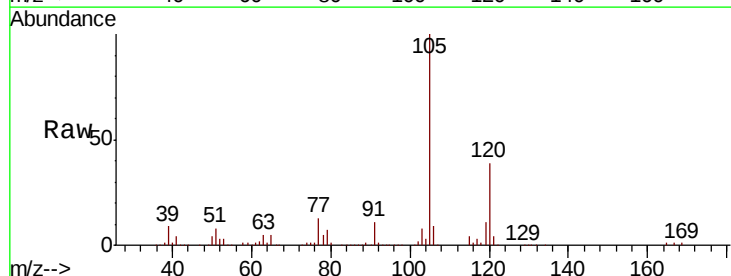
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS02

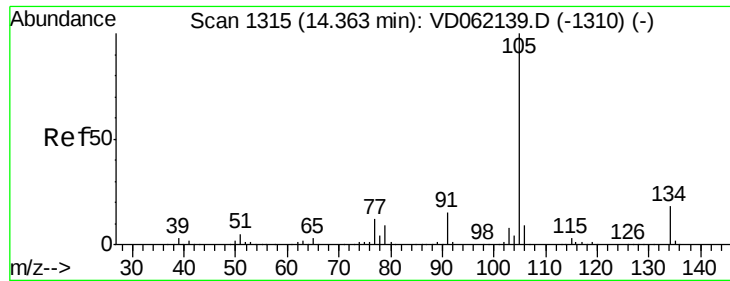
Tot Ion:119 Resp: 443085
 Ion Ratio Lower Upper
 119 100
 91 70.2 34.2 102.6
 134 21.6 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 23.151 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Tgt Ion:105 Resp: 451908
 Ion Ratio Lower Upper
 105 100
 120 39.1 23.1 69.2

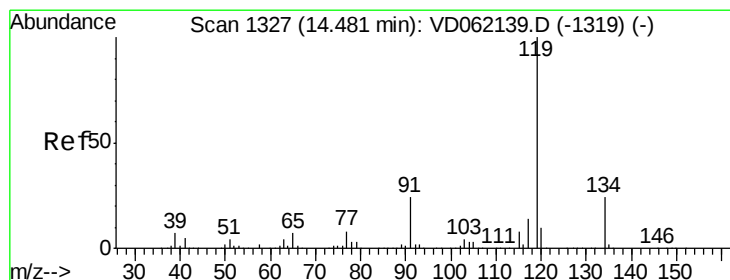
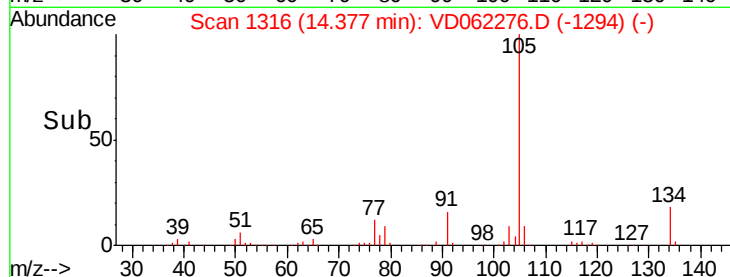
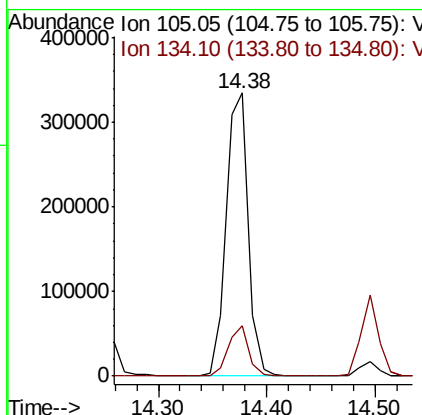
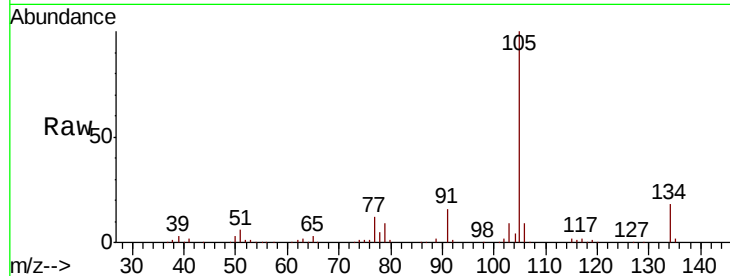




#85
 sec-Butylbenzene
 Concen: 19.882 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

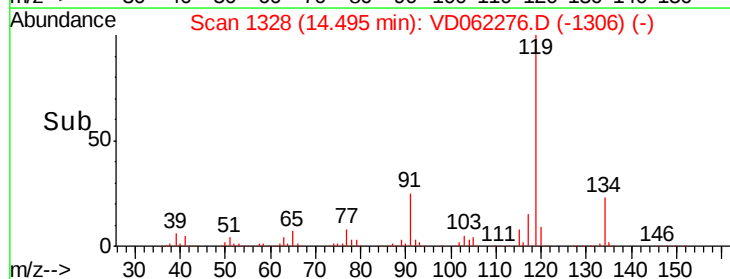
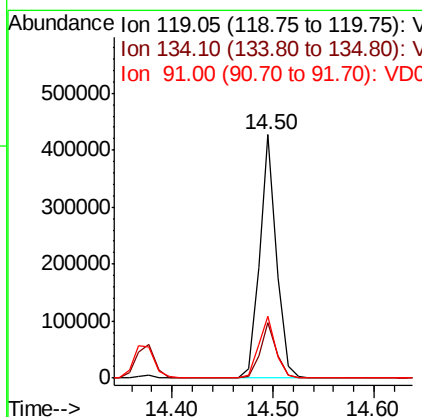
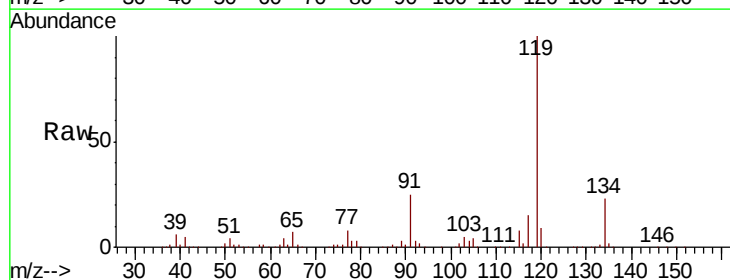
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

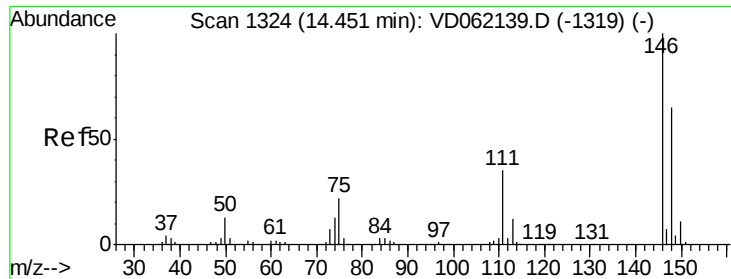
Tot Ion:105 Resp: 476614
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 23.216 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Tgt Ion:119 Resp: 497236
 Ion Ratio Lower Upper
 119 100
 134 22.5 12.8 38.3
 91 25.1 10.7 32.1

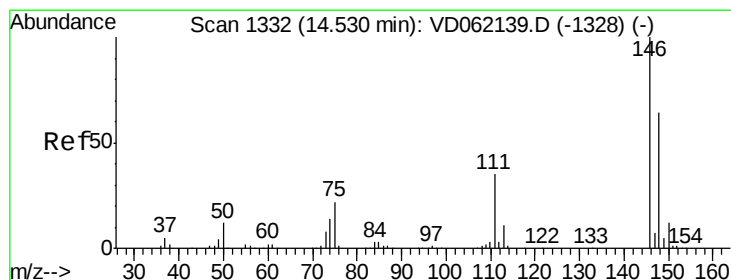
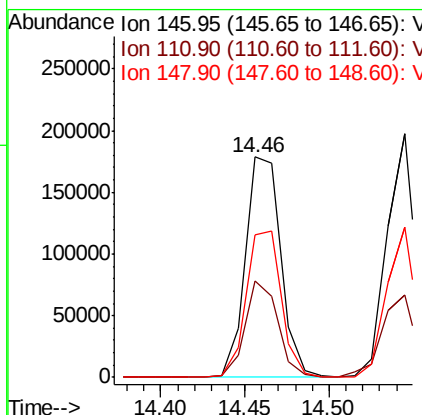
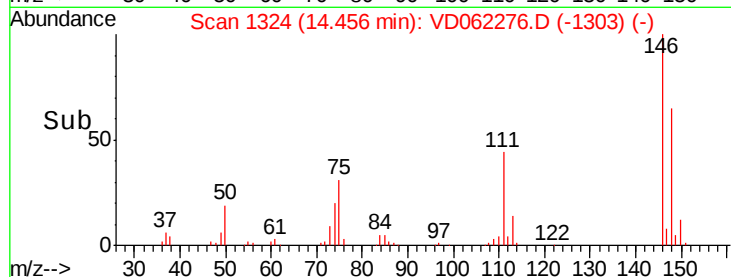
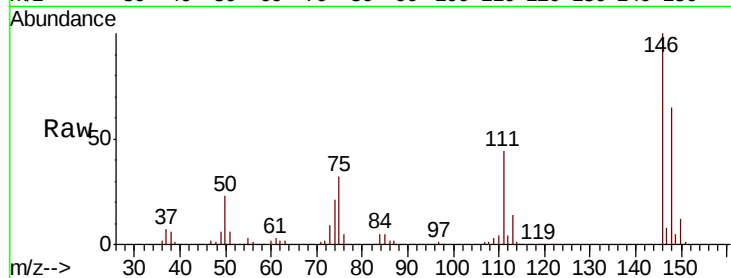




#87
 1,3-Dichlorobenzene
 Concen: 21.998 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

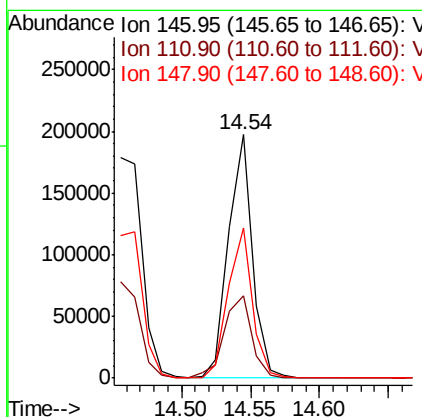
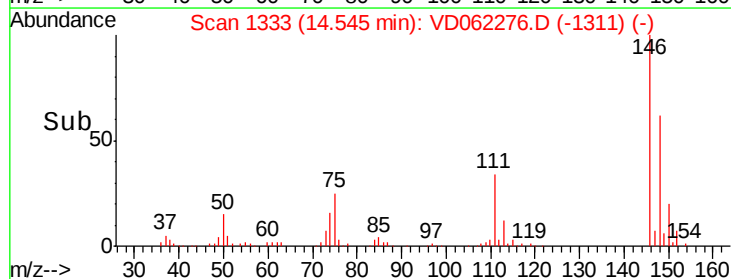
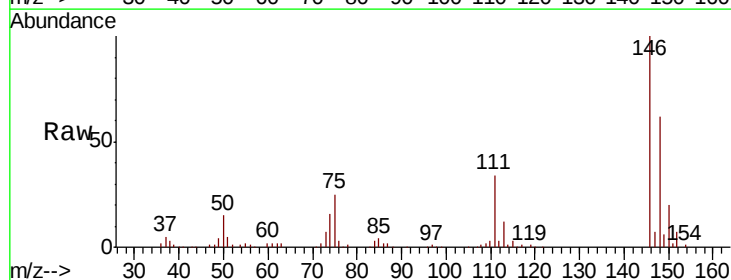
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

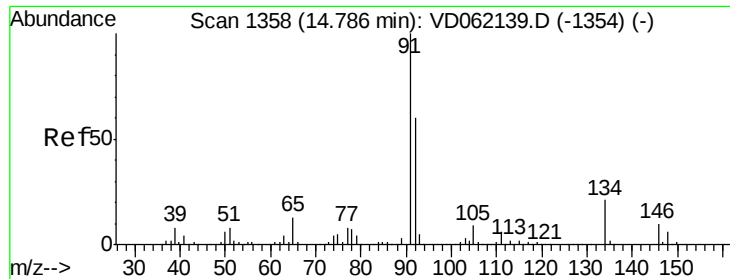
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.0	60.0
148	65.0	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.612 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.7	20.2	60.5
148	61.9	32.0	96.2

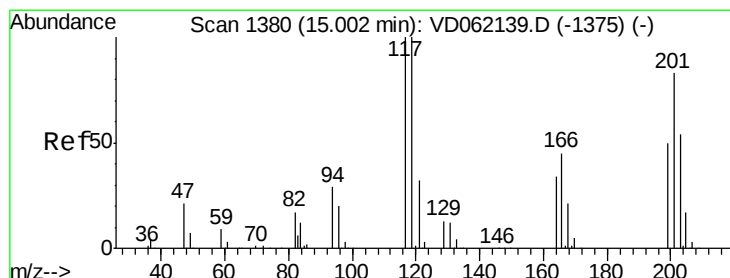
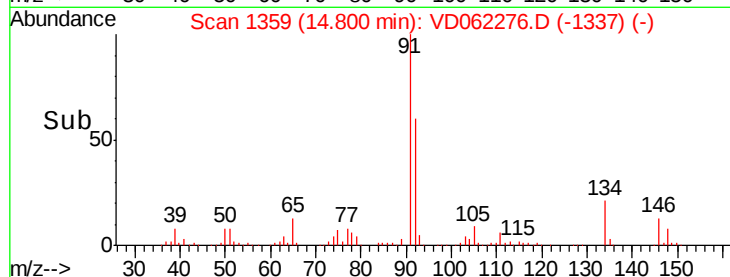
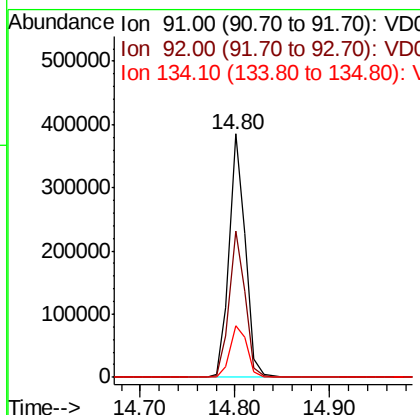
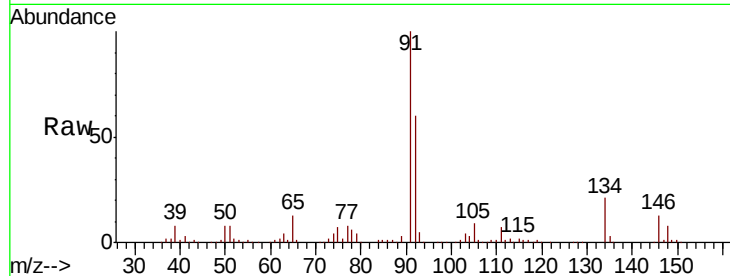




#89
n-Butylbenzene
Concen: 23.630 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

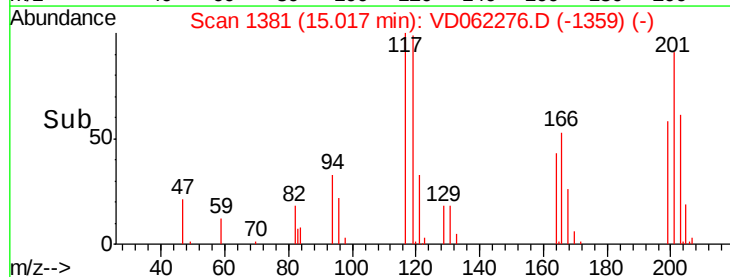
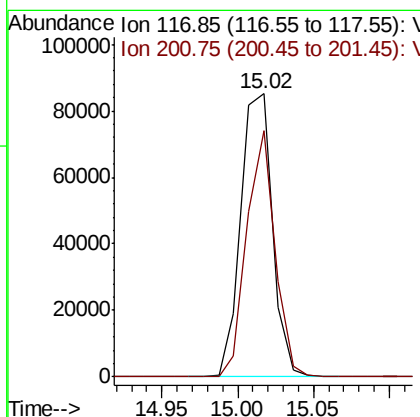
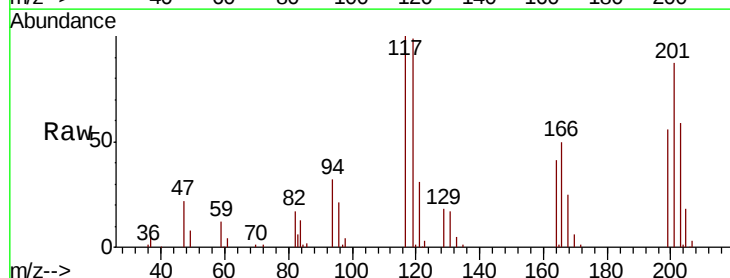
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

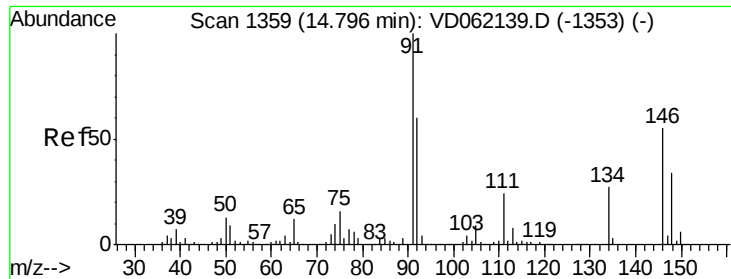
Tot Ion: 91 Resp: 454267
Ion Ratio Lower Upper
91 100
92 60.3 30.3 91.0
134 21.1 14.5 43.6



#90
Hexachloroethane
Concen: 21.319 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion: 117 Resp: 124169
Ion Ratio Lower Upper
117 100
201 87.0 30.2 90.6

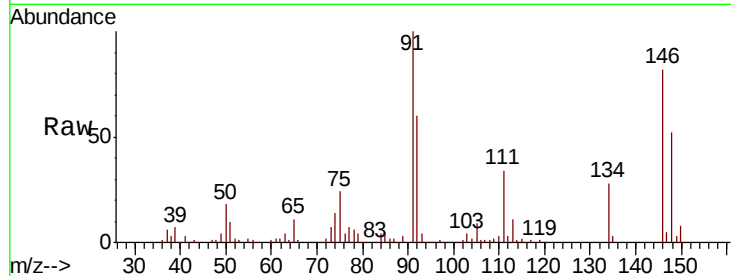




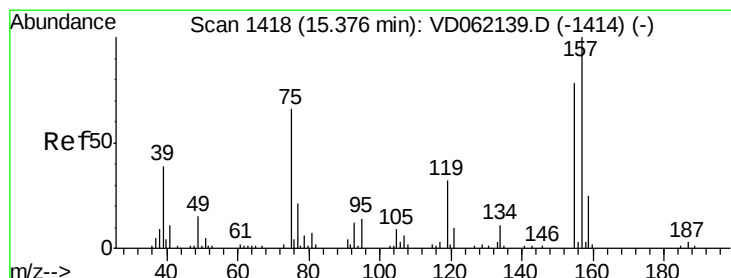
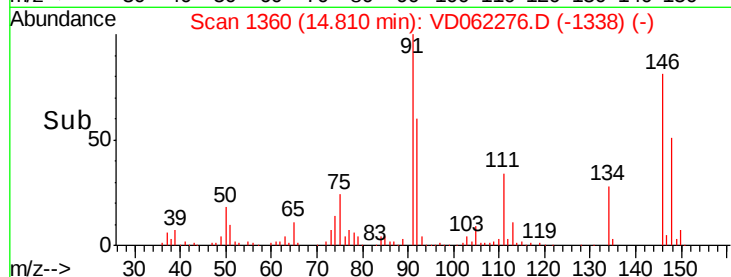
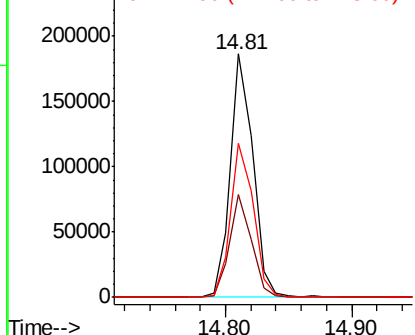
#91
 1,2-Dichlorobenzene
 Concen: 23.595 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

Tot Ion:146 Resp: 229543
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.0 59.9
 148 63.1 32.3 96.8

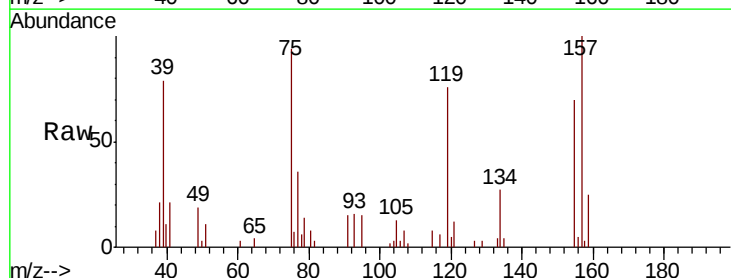


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

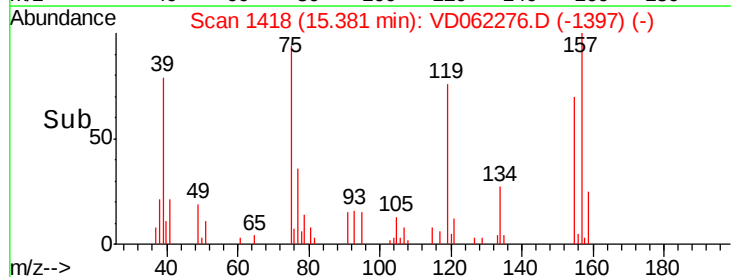
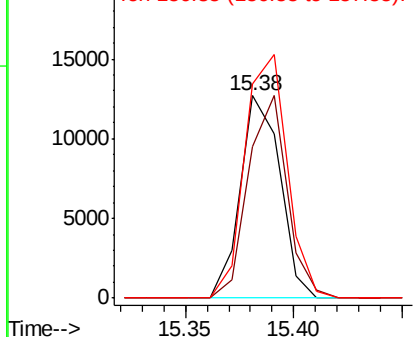


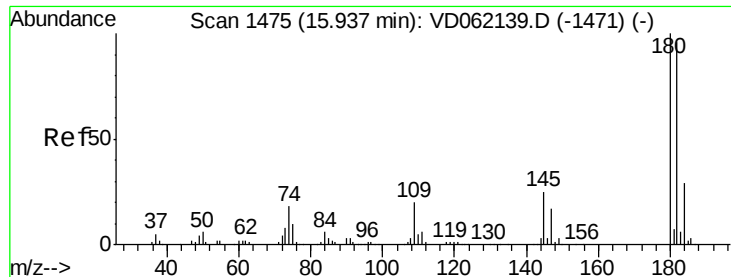
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.460 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Tgt Ion: 75 Resp: 16123
 Ion Ratio Lower Upper
 75 100
 155 74.6 55.3 165.8
 157 105.8 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

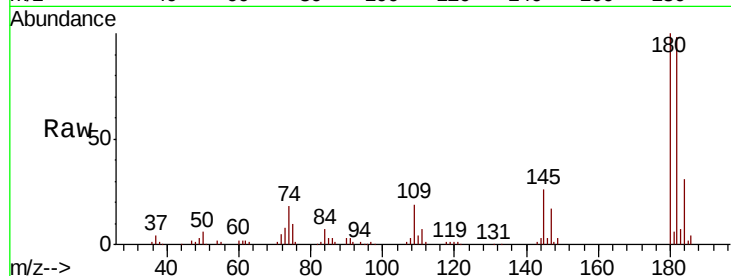




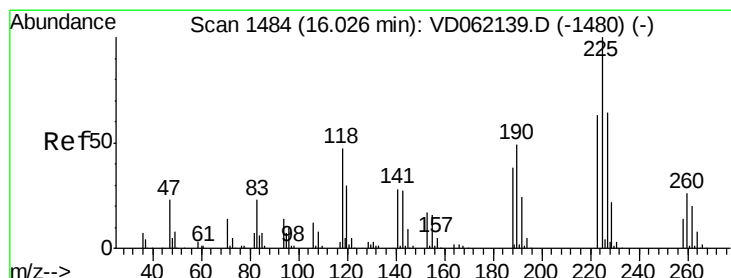
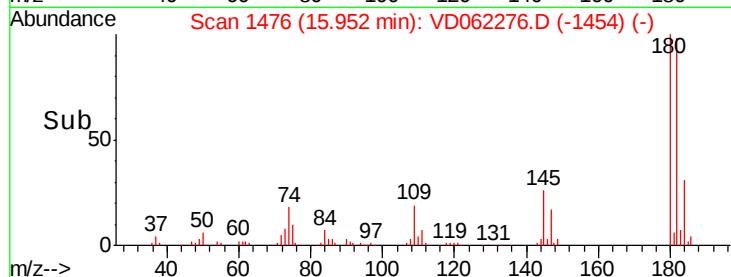
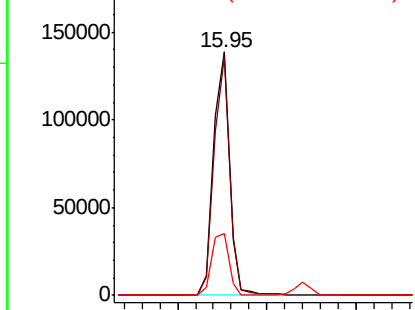
#93
 1,2,4-Trichlorobenzene
 Concen: 24.644 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD02

Tot Ion:180 Resp: 174507
 Ion Ratio Lower Upper
 180 100
 182 98.0 49.3 147.8
 145 25.7 16.2 48.6

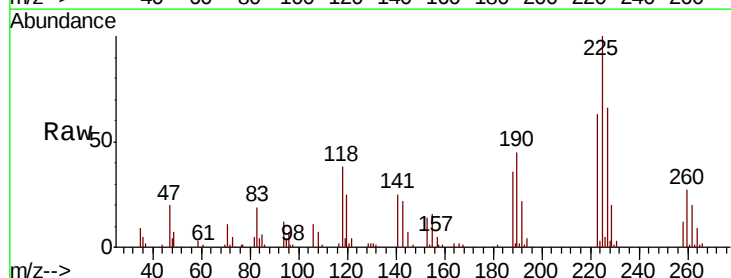


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

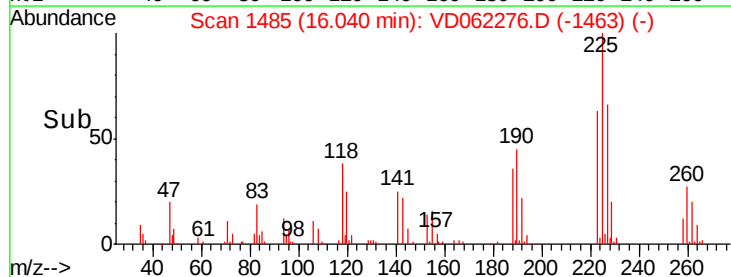
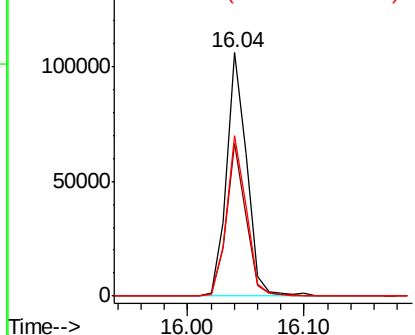


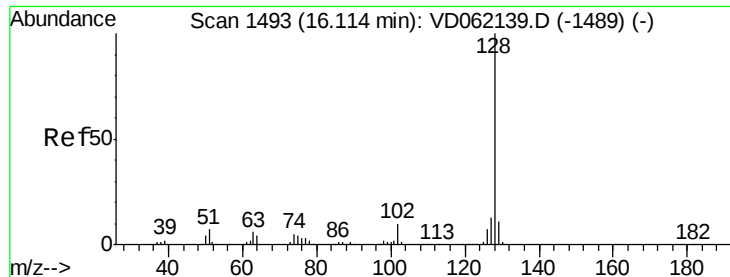
#94
 Hexachlorobutadiene
 Concen: 24.187 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062276.D
 Acq: 13 May 2019 00:31

Tgt Ion:225 Resp: 127383
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.6 92.0
 227 65.7 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

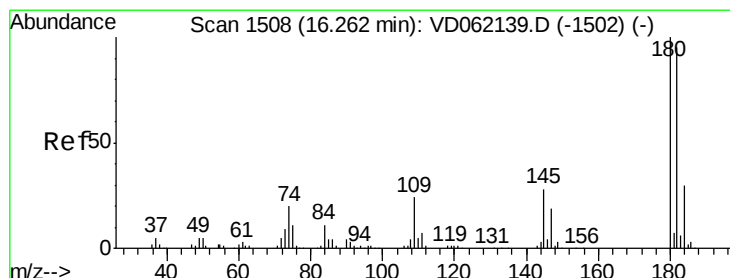
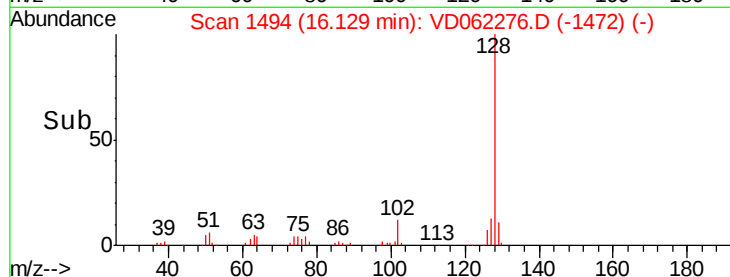
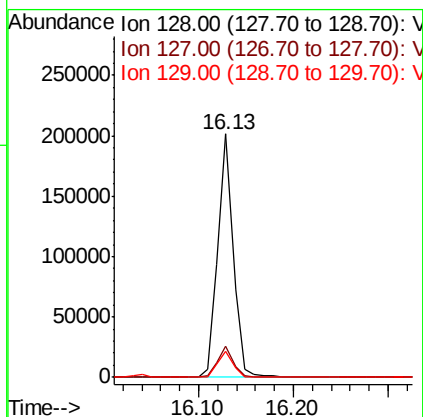
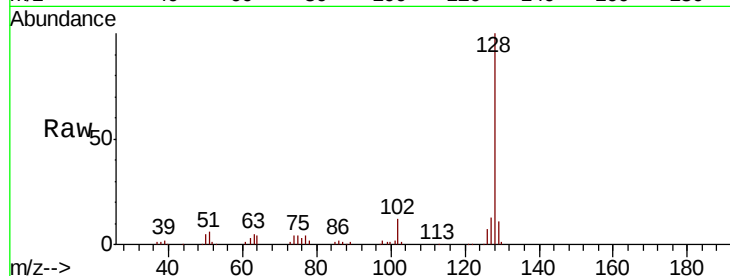




#95
Naphthalene
Concen: 23.195 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD02

Tot Ion:128 Resp: 229303
Ion Ratio Lower Upper
128 100
127 12.8 9.8 14.8
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 26.658 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062276.D
Acq: 13 May 2019 00:31

Tgt Ion:180 Resp: 118685
Ion Ratio Lower Upper
180 100
182 96.4 47.0 141.0
145 26.9 17.0 51.0

