

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
 Data File : VD062224.D
 Acq On : 10 May 2019 20:01
 Operator : FY/SY
 Sample : VD0510SBSD02
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD02

Quant Time: May 10 23:38:50 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	7.04	168	593935	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	834903	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	676278	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	369475	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	359080	65.06	ug/l	0.03
Spiked Amount	50.000		Recovery	=	130.12%	
35) Dibromofluoromethane	6.92	113	404525	58.40	ug/l	0.03
Spiked Amount	50.000		Recovery	=	116.80%	
50) Toluene-d8	10.41	98	947906	56.75	ug/l	0.02
Spiked Amount	50.000		Recovery	=	113.50%	
62) 4-Bromofluorobenzene	13.56	95	378915	56.50	ug/l	0.02
Spiked Amount	50.000		Recovery	=	113.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	117344	20.657	ug/l	97
3) Chloromethane	1.74	50	76525	18.644	ug/l	95
4) Vinyl Chloride	1.84	62	75995	18.839	ug/l	100
5) Bromomethane	2.14	94	26818	28.373	ug/l	95
6) Chloroethane	2.24	64	33547	19.819	ug/l	97
7) Trichlorofluoromethane	2.52	101	169220	21.577	ug/l	96
8) Diethyl Ether	2.86	74	23374	15.454	ug/l	60
9) 1,1,2-Trichlorotrifluoroet	3.13	101	117204	19.756	ug/l	93
10) Methyl Iodide	3.30	142	137373	15.321	ug/l #	82
11) Tert butyl alcohol	4.07	59	27849	98.846	ug/l	96
12) 1,1-Dichloroethene	3.11	96	87832	19.395	ug/l	93
13) Acrolein	3.02	56	25218	86.539	ug/l #	81
14) Allyl chloride	3.60	41	129428	19.656	ug/l #	77
15) Acrylonitrile	4.19	53	67389	90.999	ug/l	85
16) Acetone	3.22	43	119971	103.647	ug/l #	86
17) Carbon Disulfide	3.37	76	216409	16.612	ug/l #	95
18) Methyl Acetate	3.63	43	39588	18.934	ug/l	91
19) Methyl tert-butyl Ether	4.23	73	197654	20.362	ug/l	93
20) Methylene Chloride	3.80	84	110530	22.870	ug/l	99
21) trans-1,2-Dichloroethene	4.20	96	90780	18.014	ug/l	95
22) Diisopropyl ether	5.11	45	290849	20.757	ug/l	96
23) Vinyl Acetate	5.05	43	816664	110.466	ug/l	97
24) 1,1-Dichloroethane	4.97	63	181029	21.416	ug/l	98
25) 2-Butanone	6.07	43	131843	104.426	ug/l	97
26) 2,2-Dichloropropane	6.01	77	175863	20.886	ug/l	90
27) cis-1,2-Dichloroethene	6.03	96	112805	19.998	ug/l	97
28) Bromochloromethane	6.43	49	77868	23.414	ug/l	88
29) Tetrahydrofuran	6.46	42	59235	101.825	ug/l	92
30) Chloroform	6.65	83	214292	21.035	ug/l	94
31) Cyclohexane	6.95	56	95205	16.440	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	206908	21.488	ug/l	98
36) 1,1-Dichloropropene	7.15	75	137827	20.134	ug/l	97
37) Ethyl Acetate	6.18	43	64190	22.111	ug/l #	93
38) Carbon Tetrachloride	7.11	117	204080	21.540	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
 Data File : VD062224.D
 Acq On : 10 May 2019 20:01
 Operator : FY/SY
 Sample : VD0510SBSD02
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD02

Quant Time: May 10 23:38:50 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	8.87	83	116520	17.766	ug/l	93
40) Benzene	7.45	78	302884	19.594	ug/l	98
41) Methacrylonitrile	6.45	41	75093	21.167	ug/l #	87
42) 1,2-Dichloroethane	7.57	62	149647	22.850	ug/l	93
43) Isopropyl Acetate	9.24	43	73449	17.840	ug/l	90
44) Trichloroethene	8.53	130	116675	19.808	ug/l	84
45) 1,2-Dichloropropane	8.94	63	73650	19.263	ug/l	94
46) Dibromomethane	9.05	93	63468	20.413	ug/l	99
47) Bromodichloromethane	9.38	83	166575	21.903	ug/l	96
48) Methyl methacrylate	9.12	41	50830	20.043	ug/l	91
49) 1,4-Dioxane	9.07	88	11115	406.216	ug/l	95
51) 4-Methyl-2-Pentanone	10.30	43	271911	102.742	ug/l	93
52) Toluene	10.51	92	208545	20.735	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	139100	21.162	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	140128	19.542	ug/l	91
55) 1,1,2-Trichloroethane	11.19	97	74096	20.822	ug/l	93
56) Ethyl methacrylate	11.04	69	71121	19.233	ug/l #	77
57) 1,3-Dichloropropane	11.41	76	107182	19.937	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	201806	99.909	ug/l	100
59) 2-Hexanone	11.53	43	214767	110.103	ug/l	93
60) Dibromochloromethane	11.68	129	123023	20.004	ug/l	96
61) 1,2-Dibromoethane	11.81	107	89289	20.638	ug/l	93
64) Tetrachloroethene	11.26	164	114371	21.627	ug/l	96
65) Chlorobenzene	12.40	112	270782	21.498	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	120049	21.899	ug/l	92
67) Ethyl Benzene	12.53	91	459534	21.792	ug/l	97
68) m/p-Xylenes	12.67	106	320699	41.801	ug/l	88
69) o-Xylene	13.05	106	145750	20.434	ug/l	91
70) Styrene	13.07	104	242929	20.105	ug/l	93
71) Bromoform	13.24	173	83396	21.866	ug/l	96
73) Isopropylbenzene	13.40	105	463543	20.930	ug/l	95
74) N-amyl acetate	13.27	43	123055	21.192	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	86204	20.560	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	94464	21.513	ug/l	99
77) Bromobenzene	13.67	156	122482	19.756	ug/l	90
78) n-propylbenzene	13.78	91	540350	20.453	ug/l	97
79) 2-Chlorotoluene	13.85	91	307164	20.300	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	386984	20.750	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.47	75	22765	18.365	ug/l #	77
82) 4-Chlorotoluene	13.95	91	392712	22.056	ug/l	83
83) tert-Butylbenzene	14.19	119	448009	21.372	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	376100	20.096	ug/l	91
85) sec-Butylbenzene	14.37	105	476631	20.738	ug/l	98
86) p-Isopropyltoluene	14.50	119	424030	20.650	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	214882	18.973	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	218108	19.599	ug/l	97
89) n-Butylbenzene	14.80	91	391229	21.227	ug/l	94
90) Hexachloroethane	15.01	117	109010	19.521	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	199995	21.442	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	16509	23.987	ug/l	73

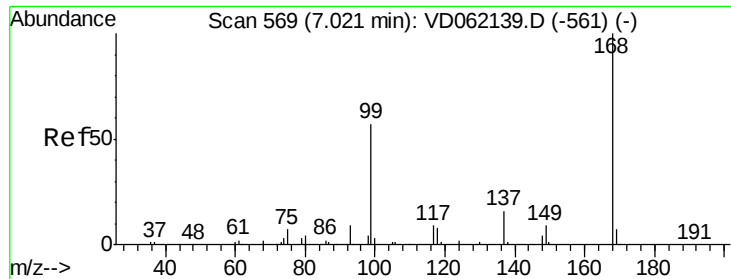
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
Data File : VD062224.D
Acq On : 10 May 2019 20:01
Operator : FY/SY
Sample : VD0510SBSD02
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

Quant Time: May 10 23:38:50 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	15.94	180	164483	24.228	ug/l	96
94) Hexachlorobutadiene	16.04	225	109083	21.603	ug/l	100
95) Naphthalene	16.13	128	223627	23.593	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	115987	27.172	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

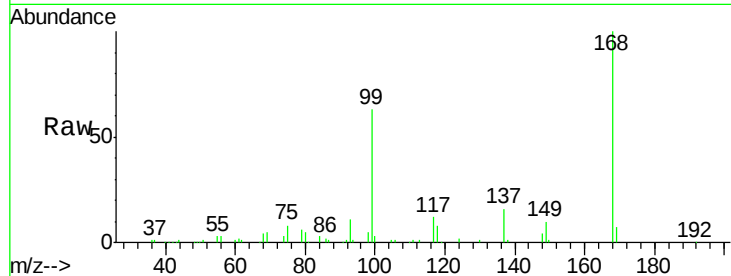
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

Tot Ion:168 Resp: 593935

Ion Ratio Lower Upper

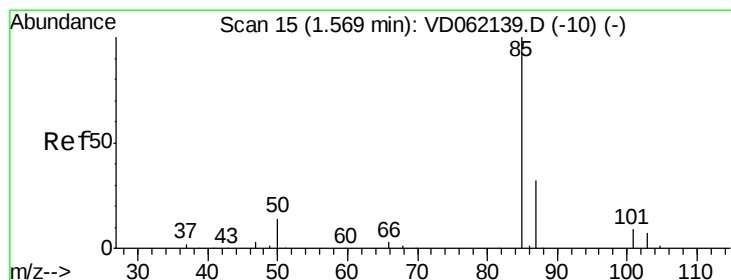
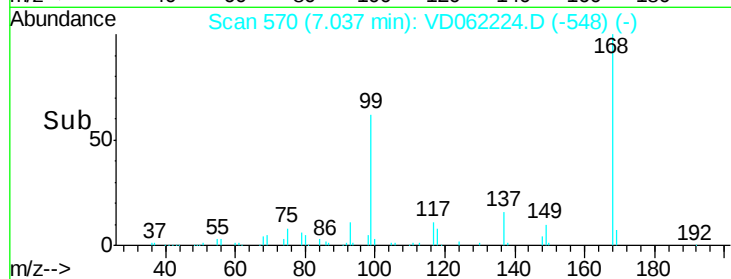
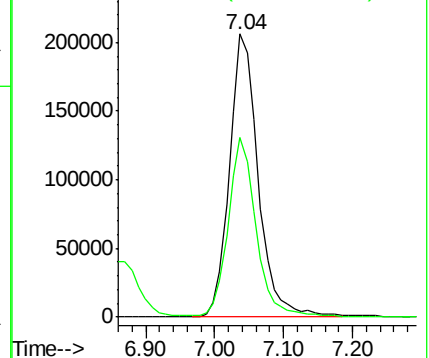
168 100

99 63.5 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: 20.657 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062224.D

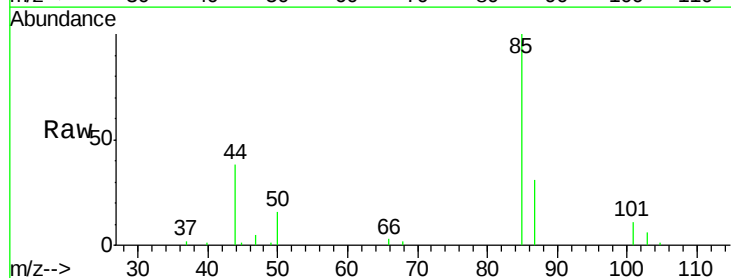
Acq: 10 May 2019 20:01

Tgt Ion: 85 Resp: 117344

Ion Ratio Lower Upper

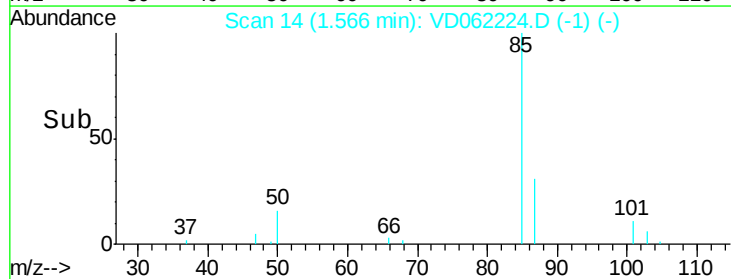
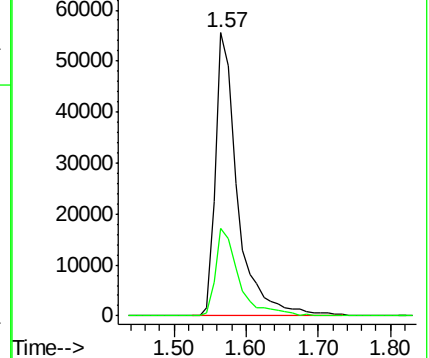
85 100

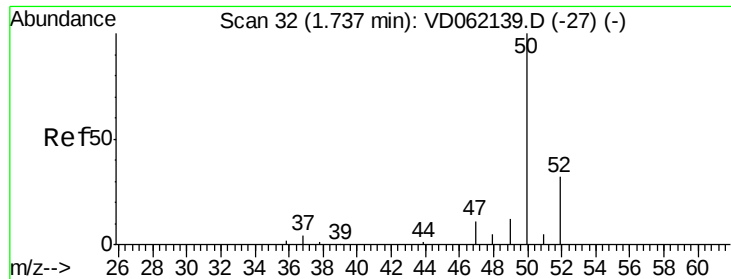
87 31.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.644 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

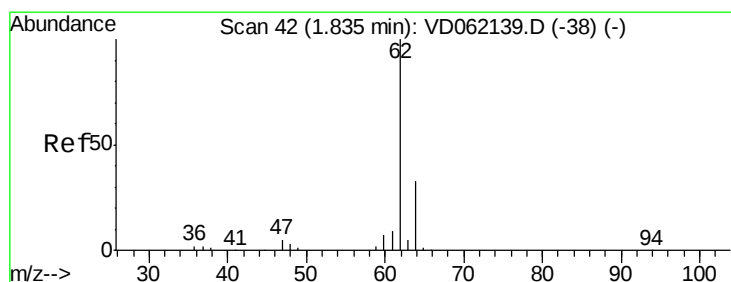
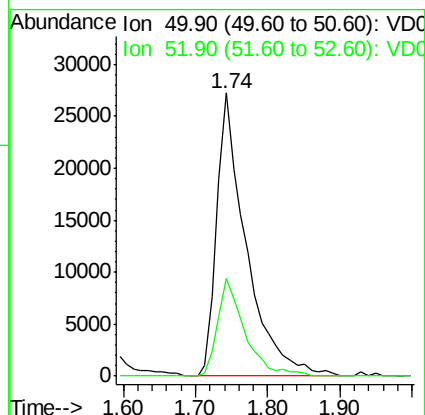
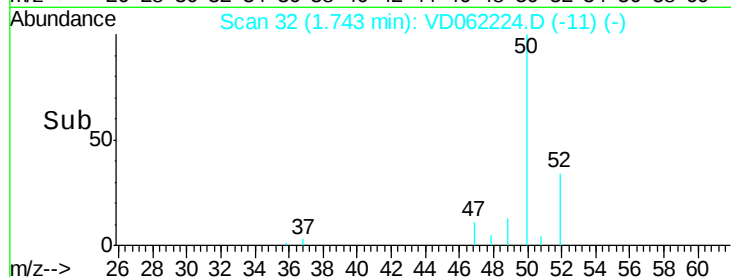
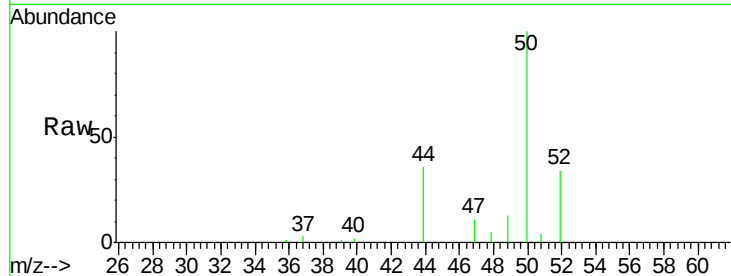
VD0510SBS02

Tot Ion: 50 Resp: 76525

Ion Ratio Lower Upper

50 100

52 34.4 25.2 37.8



#4

Vinyl Chloride

Concen: 18.839 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD062224.D

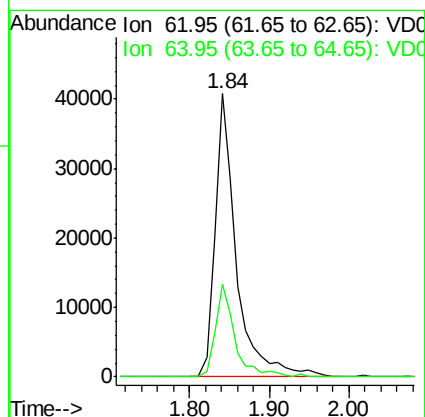
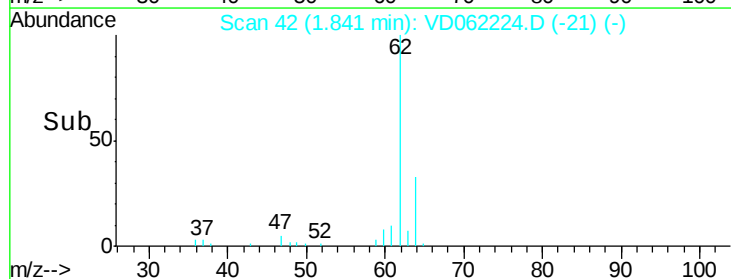
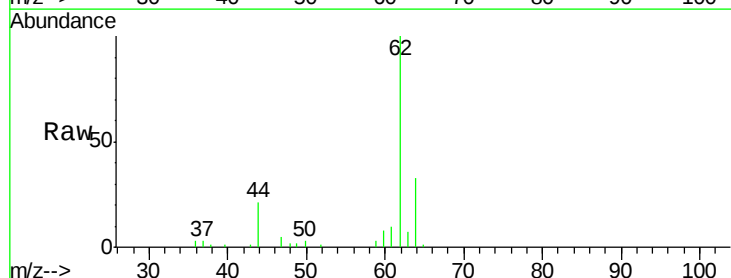
Acq: 10 May 2019 20:01

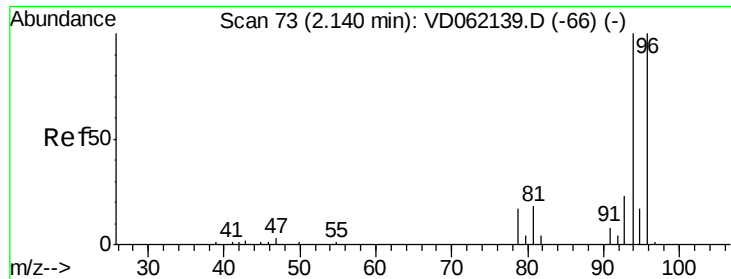
Tgt Ion: 62 Resp: 75995

Ion Ratio Lower Upper

62 100

64 32.8 26.5 39.7





#5

Bromomethane

Concen: 28.373 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBSD02

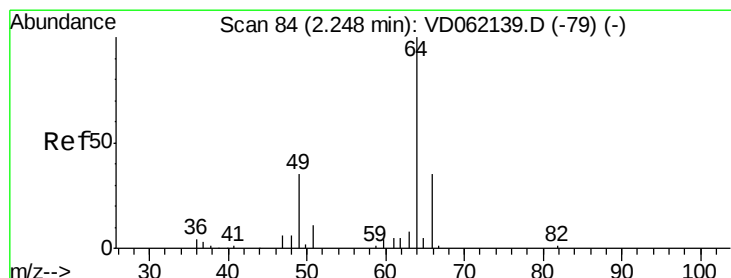
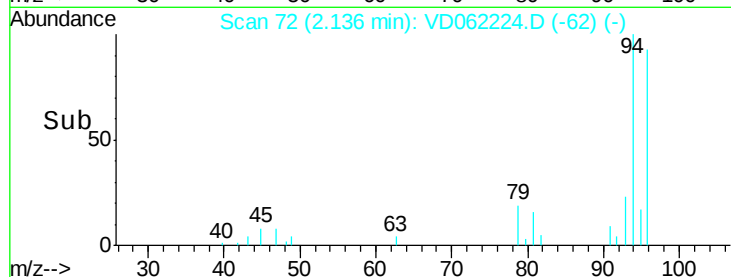
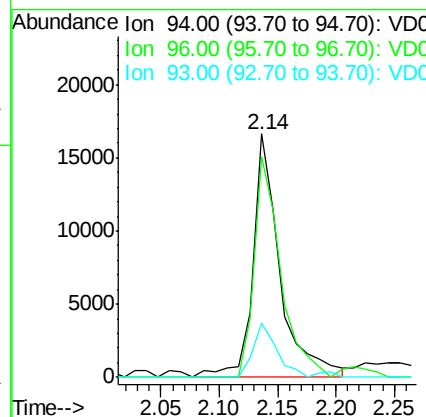
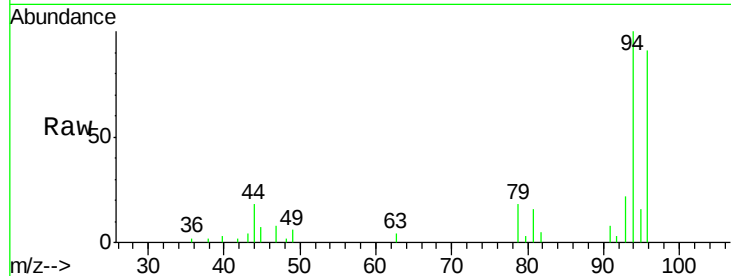
Tot Ion: 94 Resp: 26818

Ion Ratio Lower Upper

94 100

96 90.7 76.6 115.0

93 22.3 18.5 27.7



#6

Chloroethane

Concen: 19.819 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.00 min

Lab File: VD062224.D

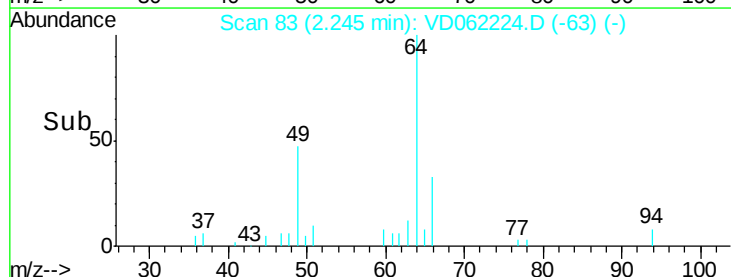
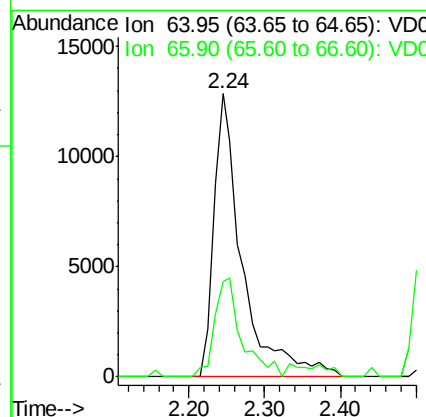
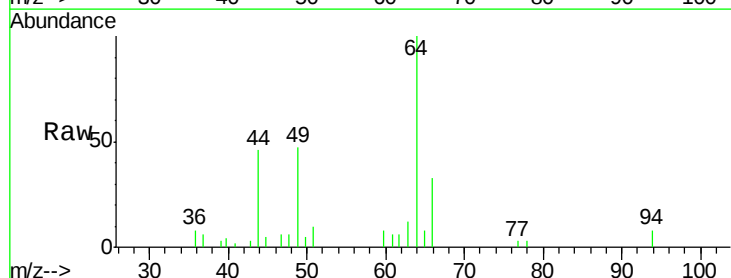
Acq: 10 May 2019 20:01

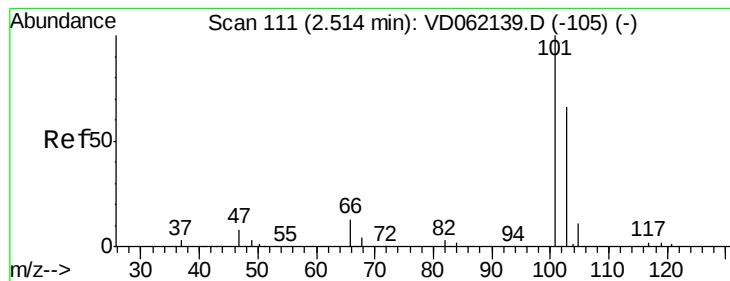
Tgt Ion: 64 Resp: 33547

Ion Ratio Lower Upper

64 100

66 33.4 25.6 38.4



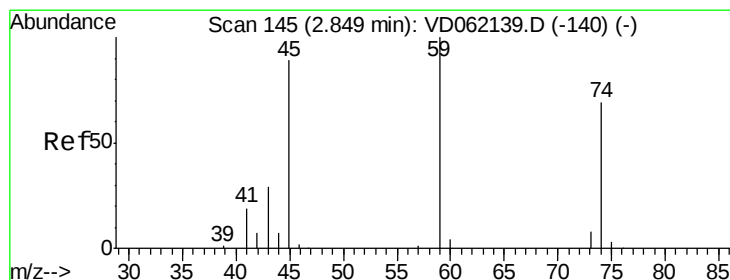
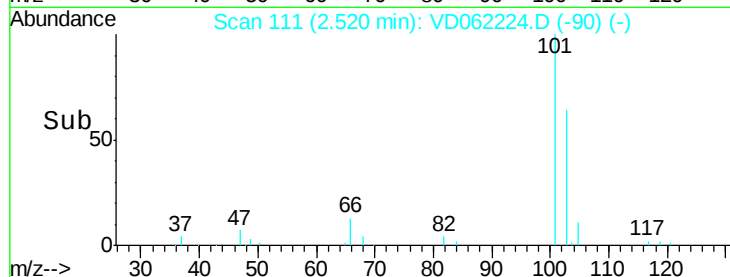
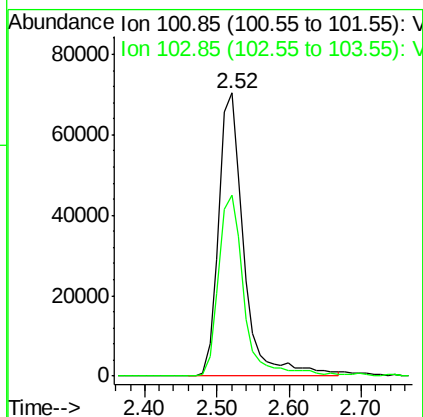
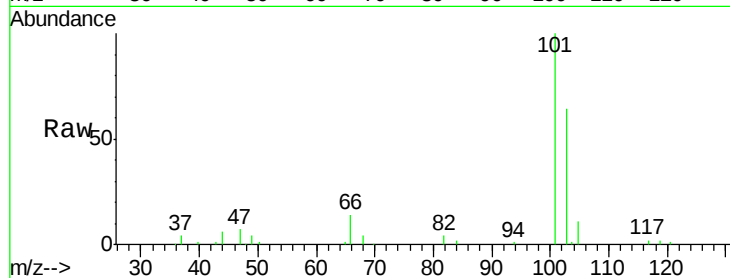


#7

Trichlorofluoromethane
 Concen: 21.577 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD02

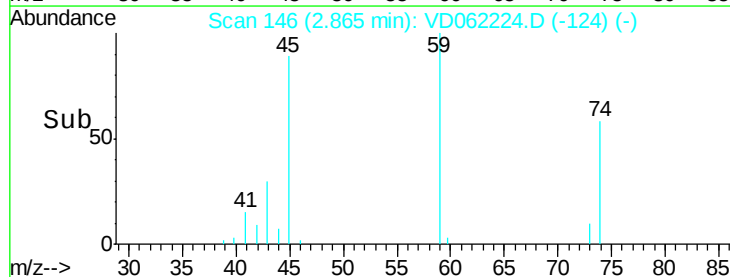
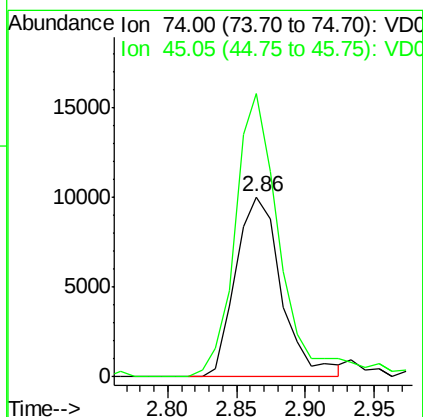
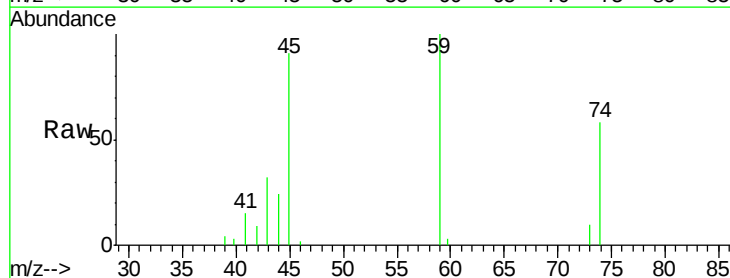
Tot Ion:101 Resp: 169220
 Ion Ratio Lower Upper
 101 100
 103 63.8 53.6 80.4

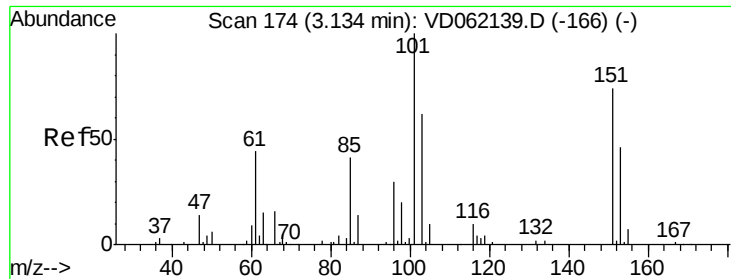


#8

Diethyl Ether
 Concen: 15.454 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.02 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Tgt Ion: 74 Resp: 23374
 Ion Ratio Lower Upper
 74 100
 45 157.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.756 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBSD02

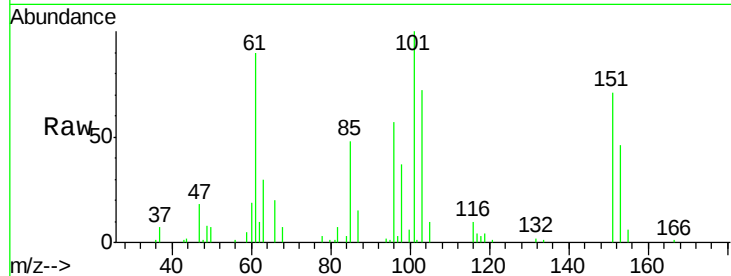
Tot Ion:101 Resp: 117204

Ion Ratio Lower Upper

101 100

85 47.8 32.4 48.6

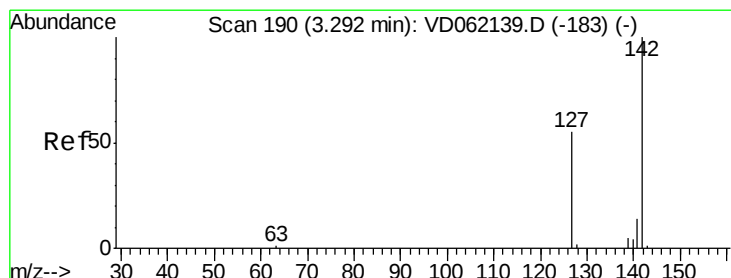
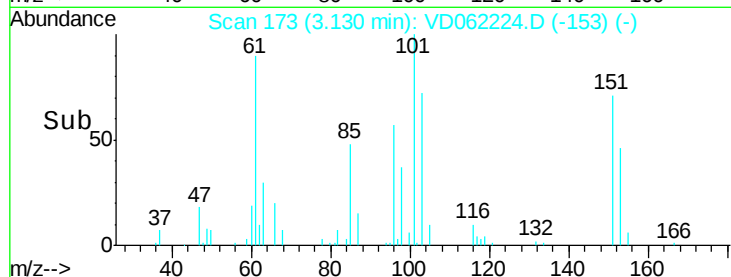
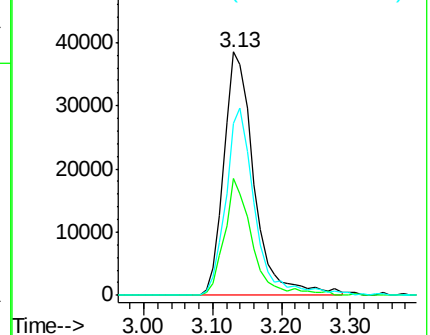
151 70.9 59.4 89.0



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: 15.321 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

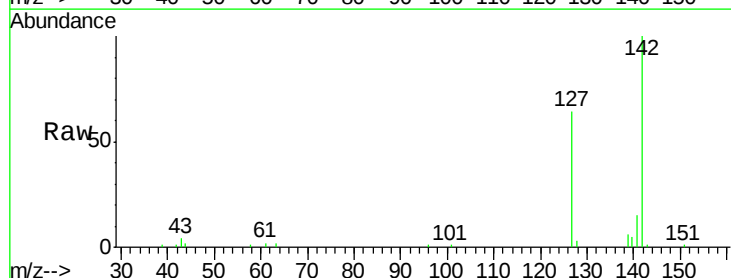
Tgt Ion:142 Resp: 137373

Ion Ratio Lower Upper

142 100

127 63.9 38.8 58.2#

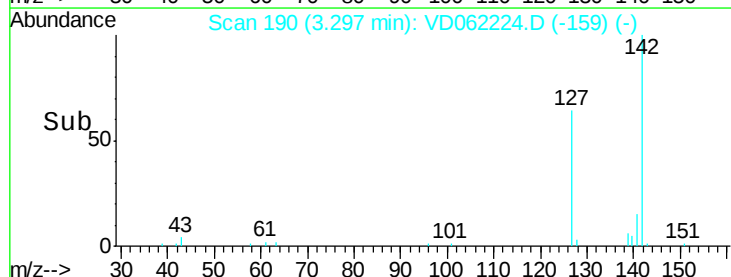
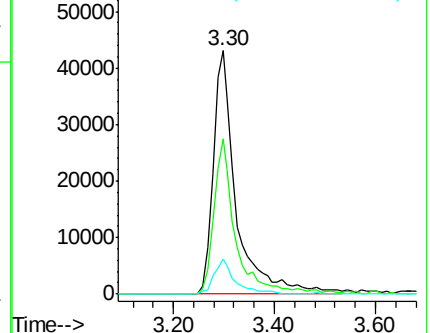
141 14.5 11.4 17.0

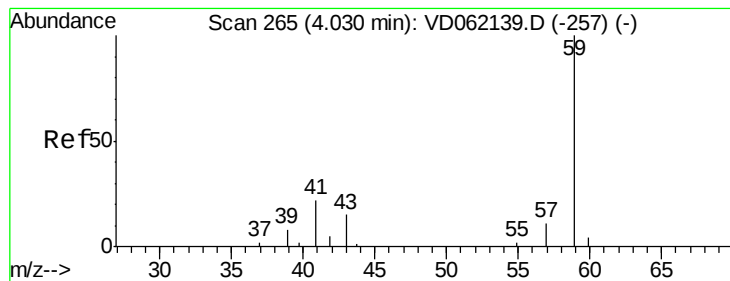


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



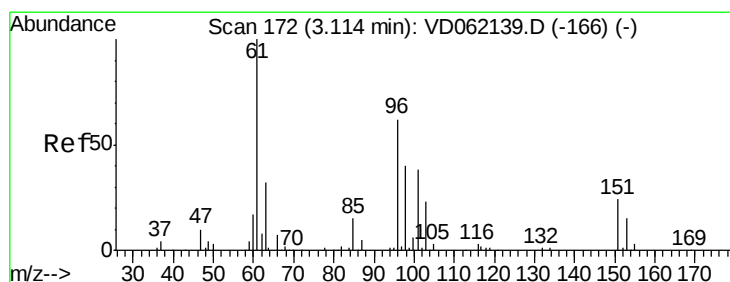
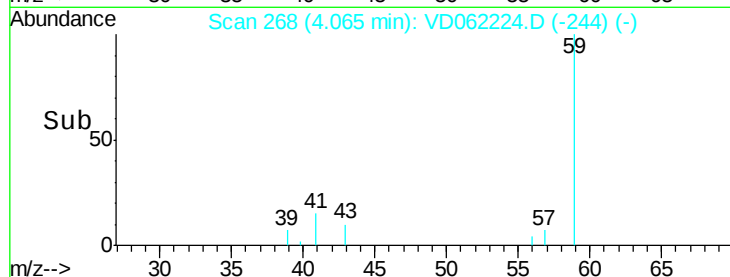
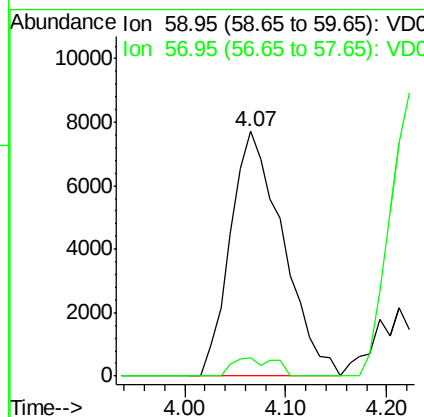
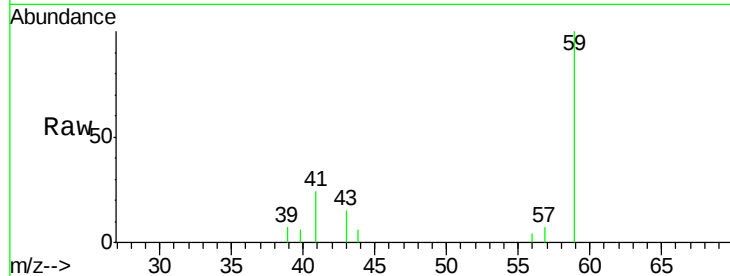


#11

Tert butyl alcohol
 Concen: 98.846 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. 0.04 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD02

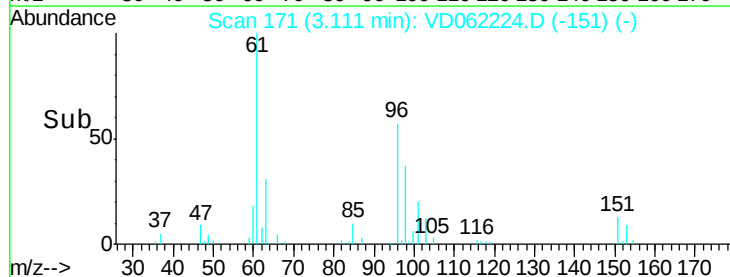
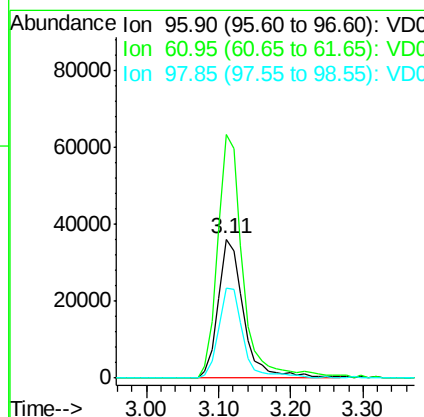
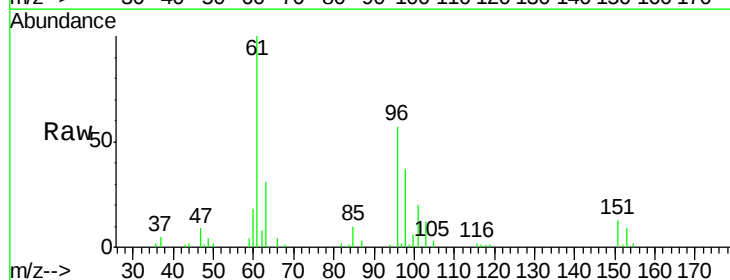
Tot Ion: 59 Resp: 27849
 Ion Ratio Lower Upper
 59 100
 57 7.3 6.9 10.3

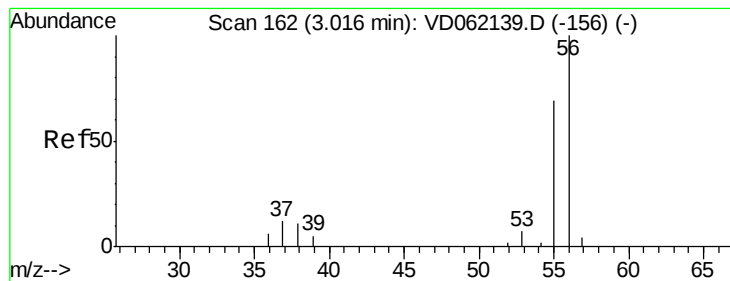


#12

1,1-Dichloroethene
 Concen: 19.395 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.00 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Tgt Ion: 96 Resp: 87832
 Ion Ratio Lower Upper
 96 100
 61 175.0 129.8 194.8
 98 65.0 51.2 76.8





#13

Acrolein

Concen: 86.539 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

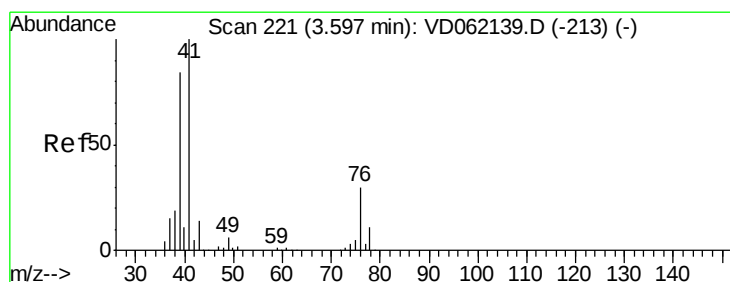
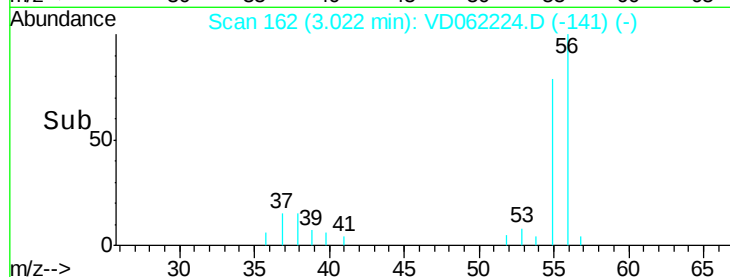
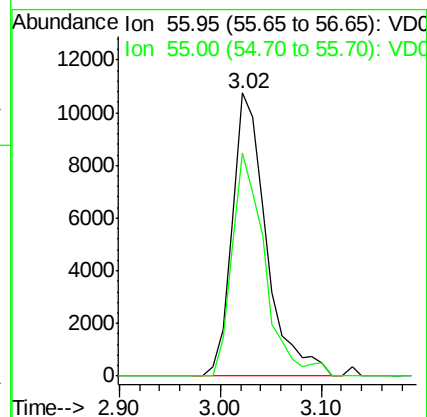
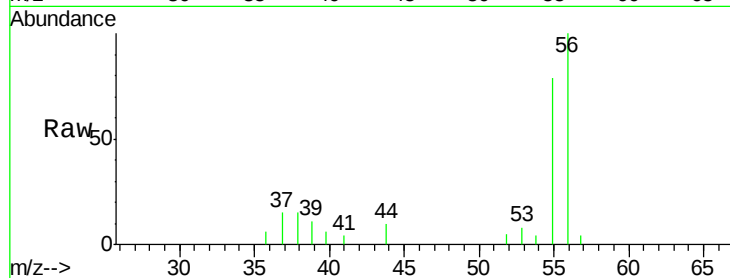
VD0510SBSD02

Tot Ion: 56 Resp: 25218

Ion Ratio Lower Upper

56 100

55 78.8 51.4 77.2#



#14

Allyl chloride

Concen: 19.656 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.01 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

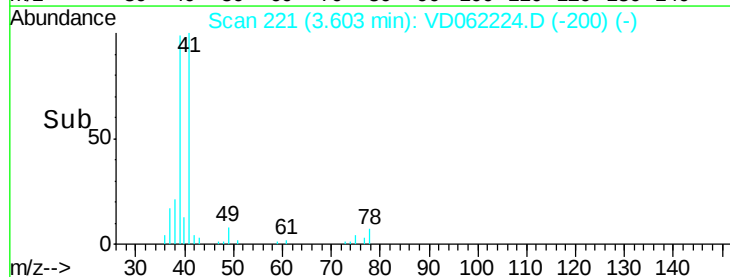
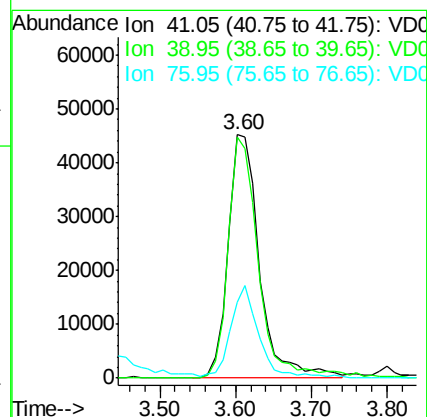
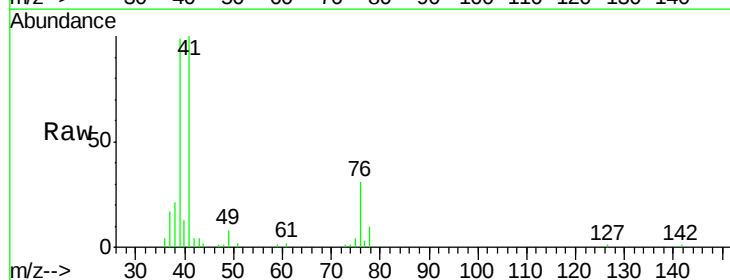
Tgt Ion: 41 Resp: 129428

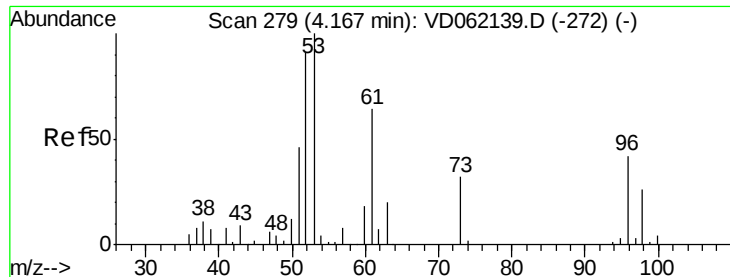
Ion Ratio Lower Upper

41 100

39 99.0 60.5 90.7#

76 31.4 31.8 47.8#





#15

Acrylonitrile

Concen: 90.999 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.03 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

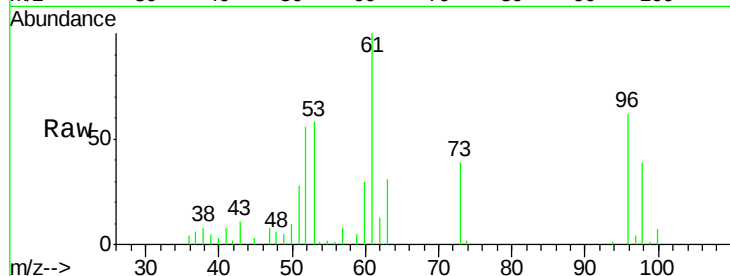
Tot Ion: 53 Resp: 67389

Ion Ratio Lower Upper

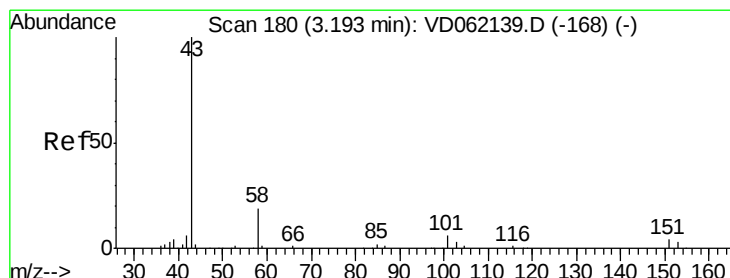
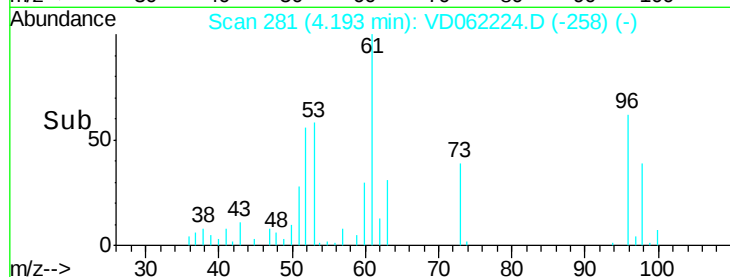
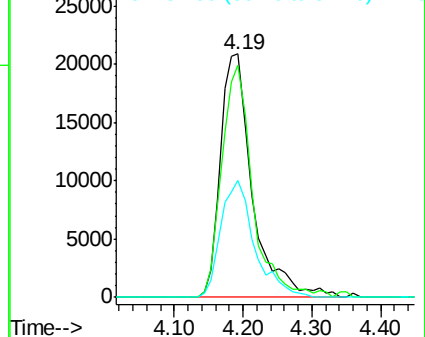
53 100

52 95.4 65.0 97.4

51 48.0 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: 103.647 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.03 min

Lab File: VD062224.D

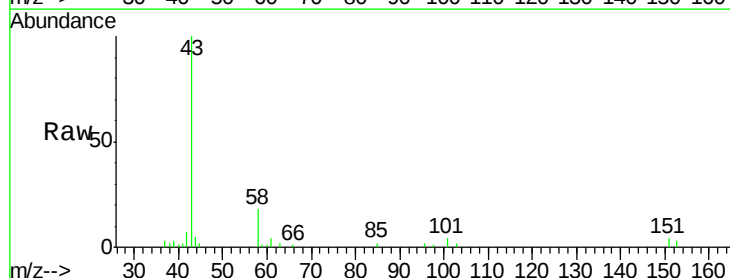
Acq: 10 May 2019 20:01

Tgt Ion: 43 Resp: 119971

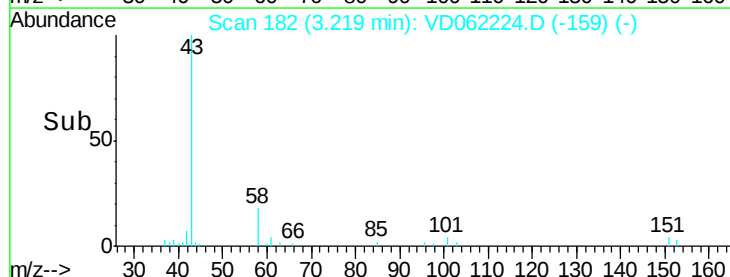
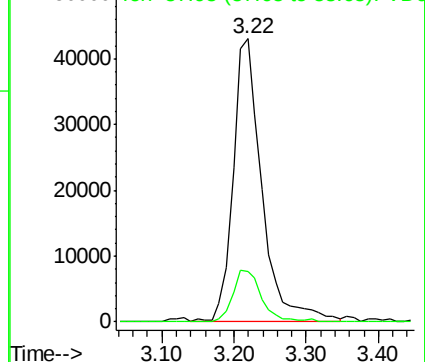
Ion Ratio Lower Upper

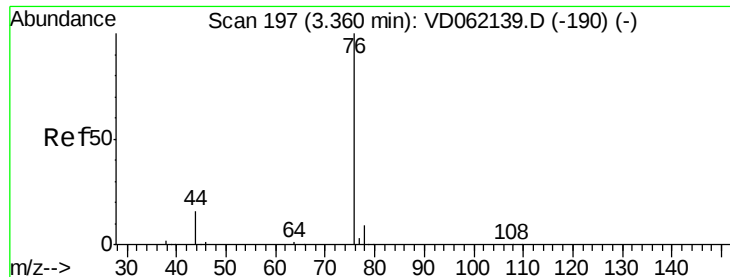
43 100

58 17.8 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: 16.612 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

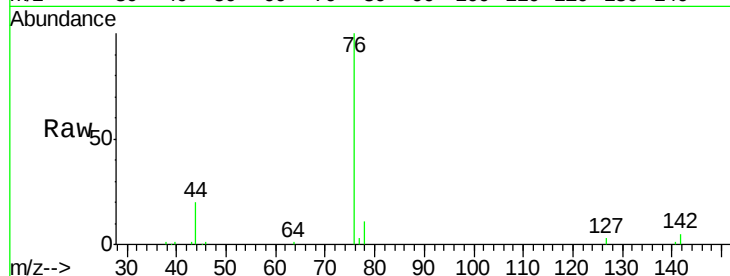
VD0510SBSD02

Tot Ion: 76 Resp: 216409

Ion Ratio Lower Upper

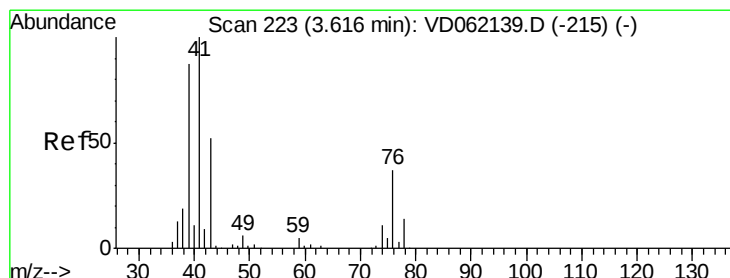
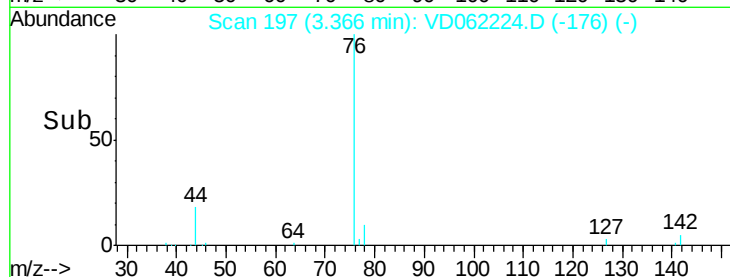
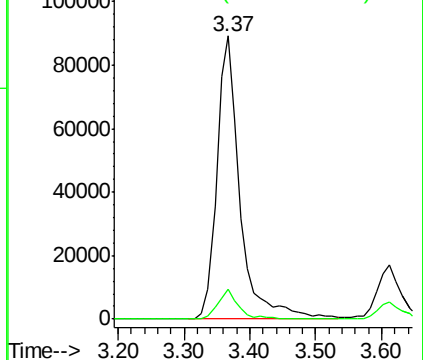
76 100

78 10.8 7.2 10.8#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.934 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD062224.D

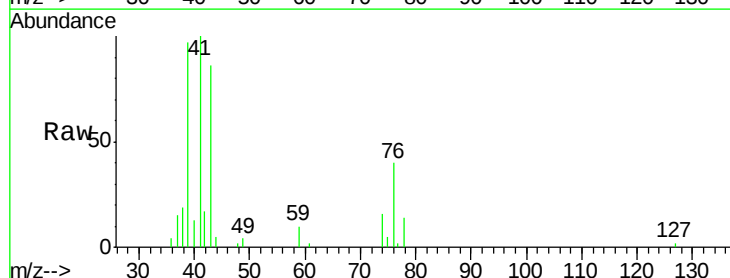
Acq: 10 May 2019 20:01

Tgt Ion: 43 Resp: 39588

Ion Ratio Lower Upper

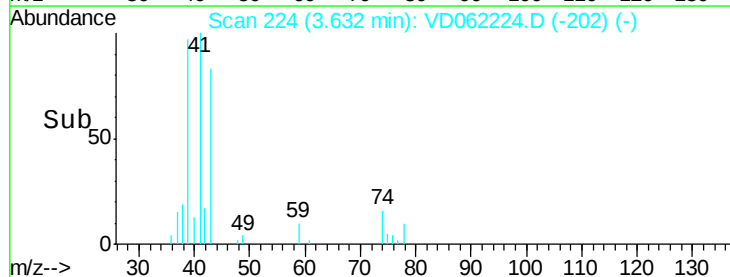
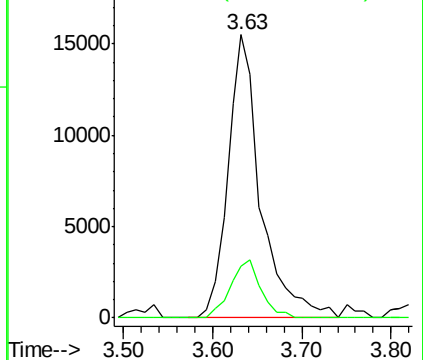
43 100

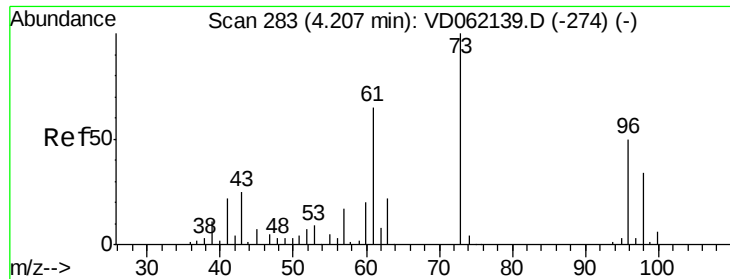
74 18.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

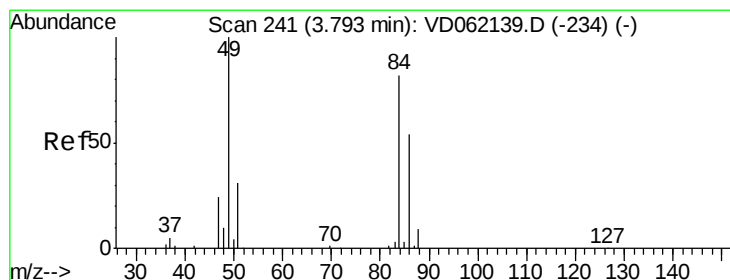
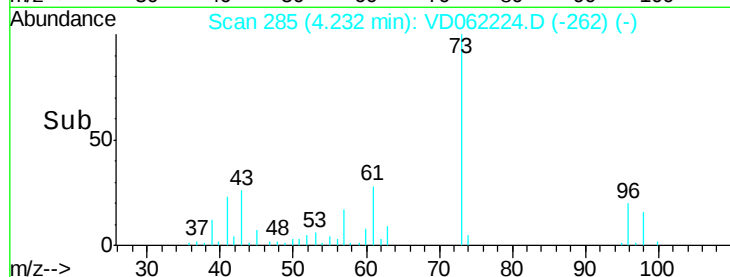
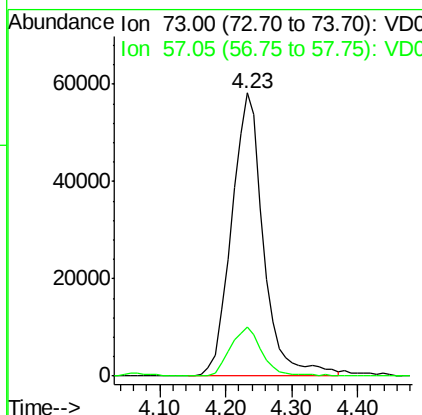
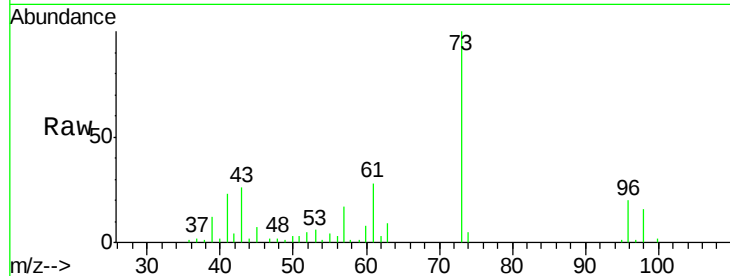




#19
Methyl tert-butyl Ether
Concen: 20.362 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.03 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

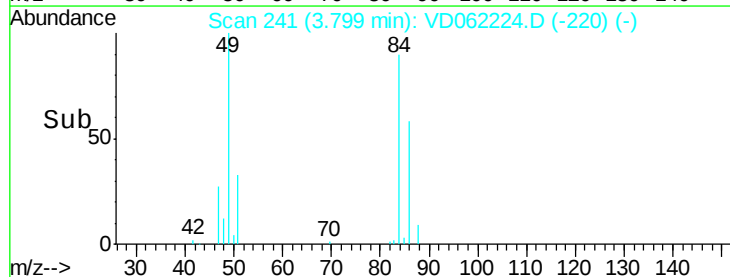
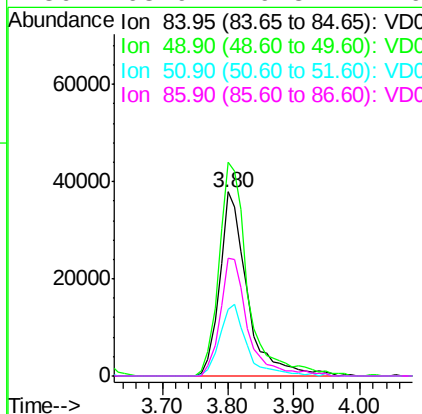
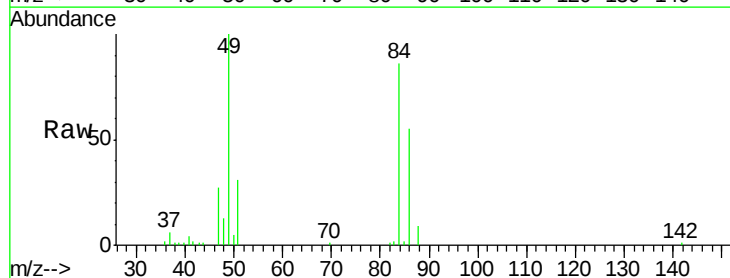
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

Tot Ion: 73 Resp: 197654
Ion Ratio Lower Upper
73 100
57 17.4 16.3 24.5



#20
Methylene Chloride
Concen: 22.870 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.01 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion: 84 Resp: 110530
Ion Ratio Lower Upper
84 100
49 116.1 94.0 141.0
51 36.4 29.0 43.4
86 63.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.014 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

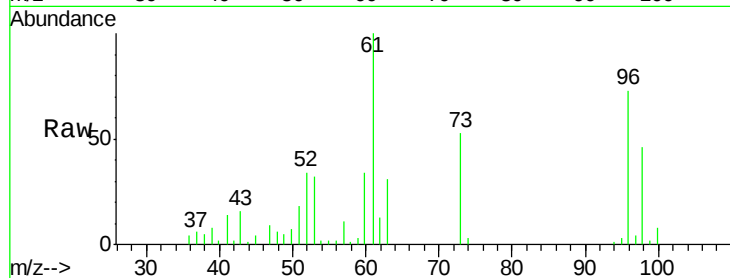
Tot Ion: 96 Resp: 90780

Ion Ratio Lower Upper

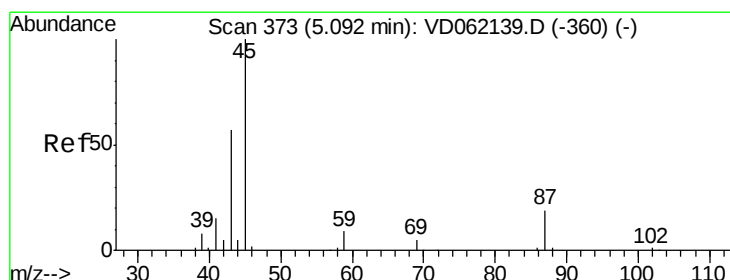
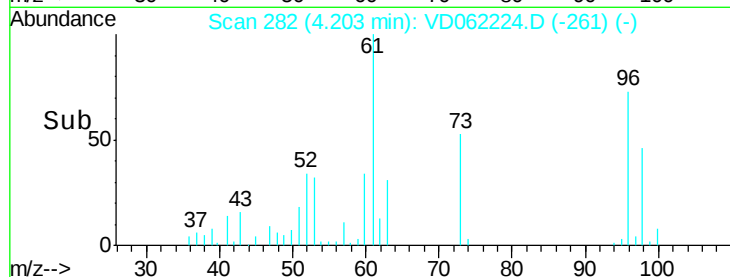
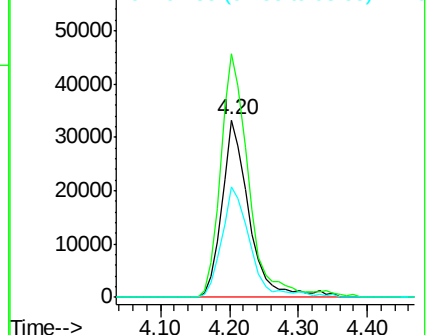
96 100

61 137.4 104.4 156.6

98 62.7 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: 20.757 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.02 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Tgt Ion: 45 Resp: 290849

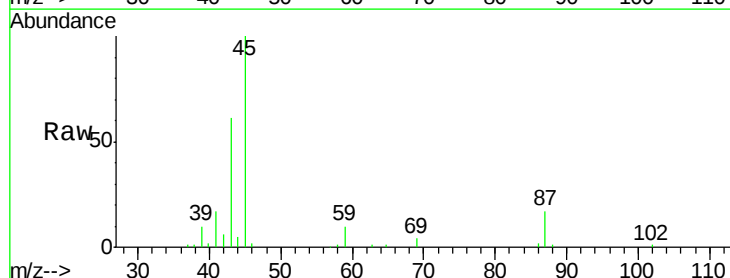
Ion Ratio Lower Upper

45 100

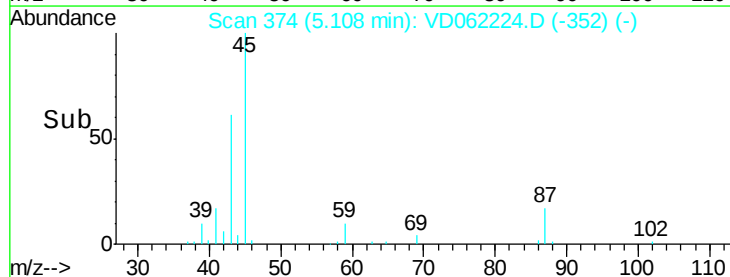
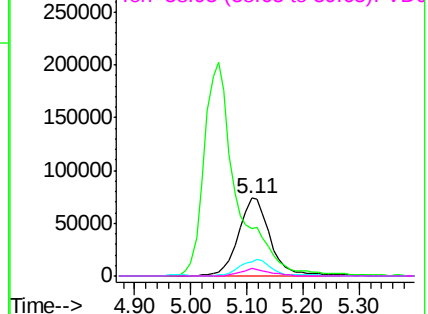
43 61.1 46.2 69.2

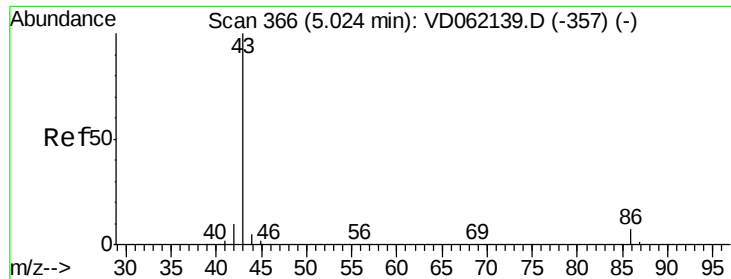
87 17.4 15.9 23.9

59 9.5 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: 110.466 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.03 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

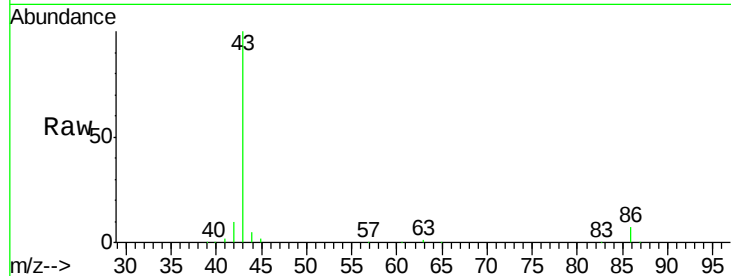
VD0510SBS02

Tot Ion: 43 Resp: 816664

Ion Ratio Lower Upper

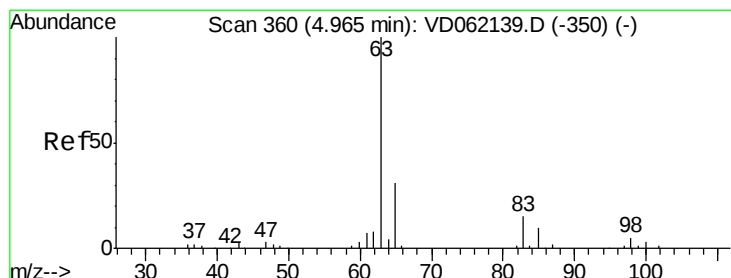
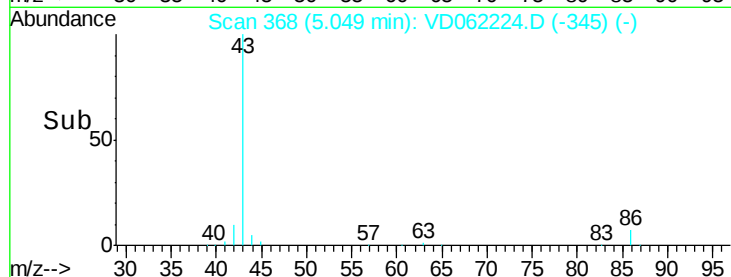
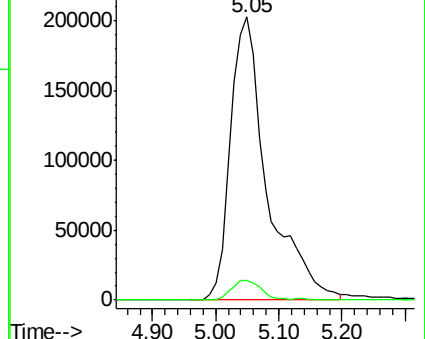
43 100

86 6.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.416 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.01 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

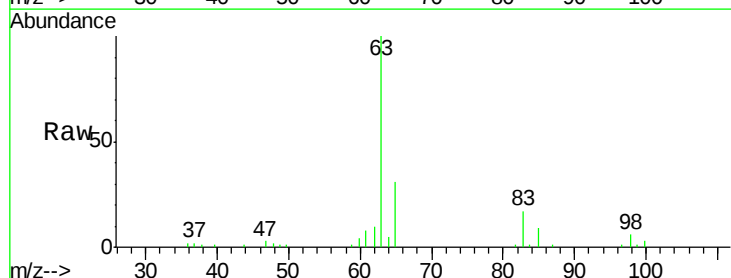
Tgt Ion: 63 Resp: 181029

Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.4

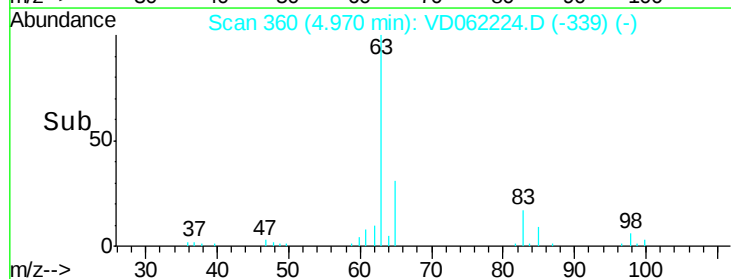
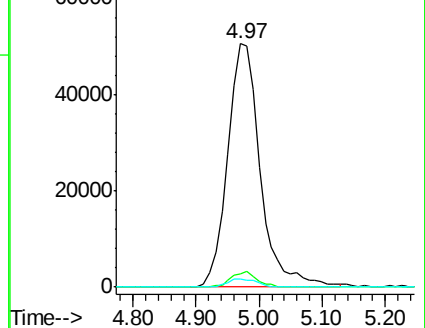
100 3.5 1.8 5.5

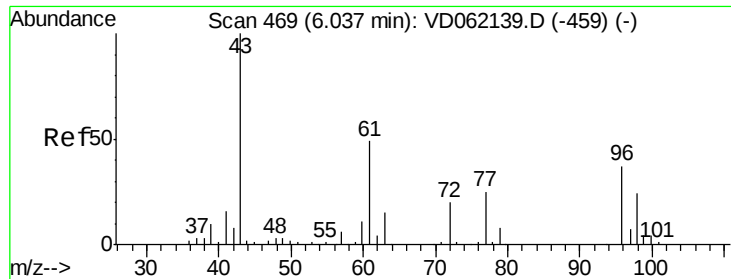


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 104.426 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.04 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

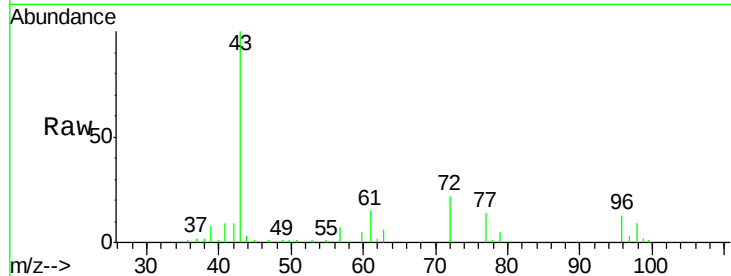
VD0510SBSD02

Tot Ion: 43 Resp: 131843

Ion Ratio Lower Upper

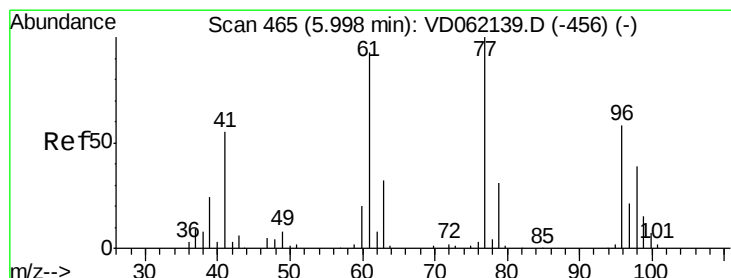
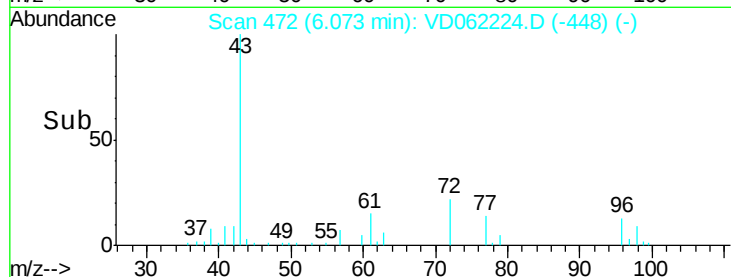
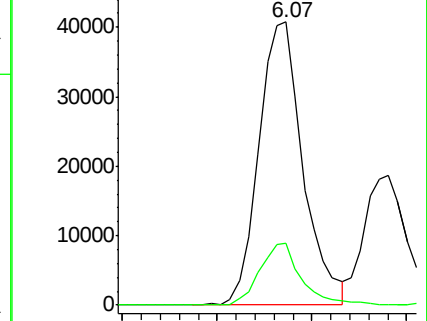
43 100

72 21.9 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: 20.886 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD062224.D

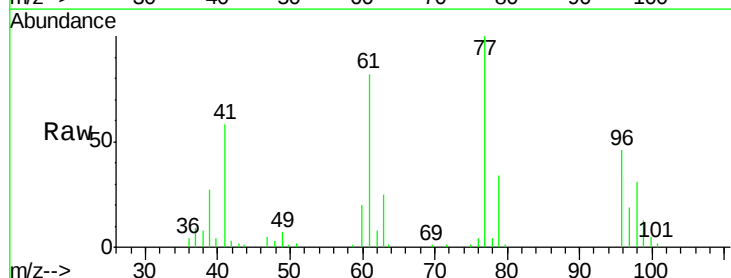
Acq: 10 May 2019 20:01

Tgt Ion: 77 Resp: 175863

Ion Ratio Lower Upper

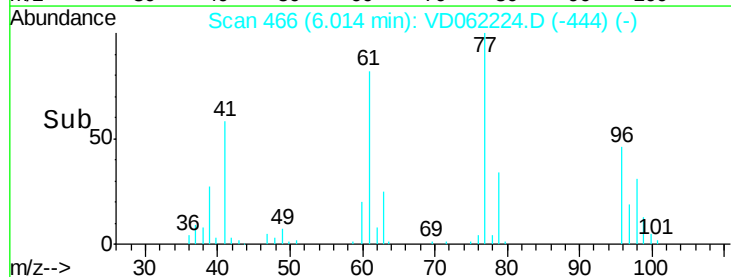
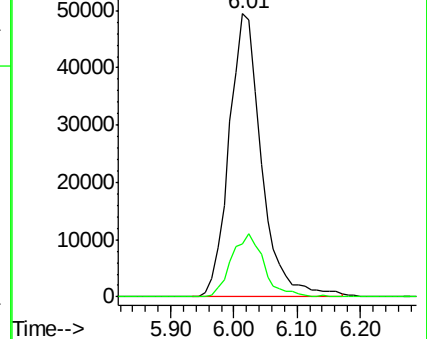
77 100

97 18.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



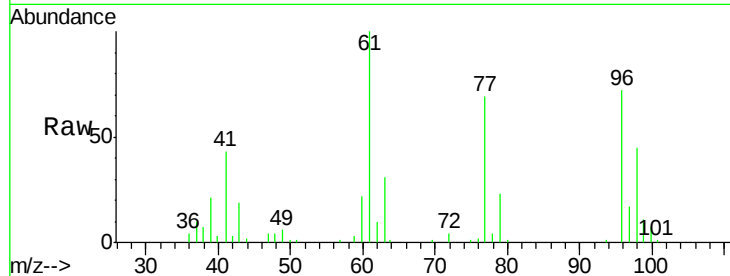


#27

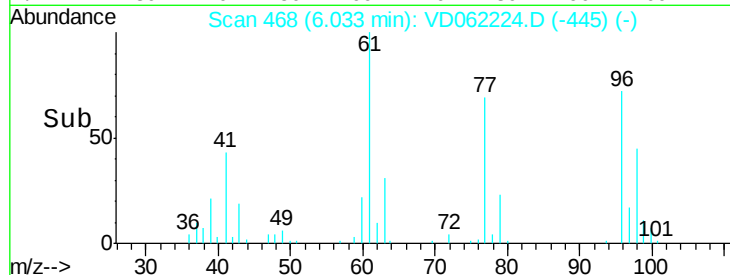
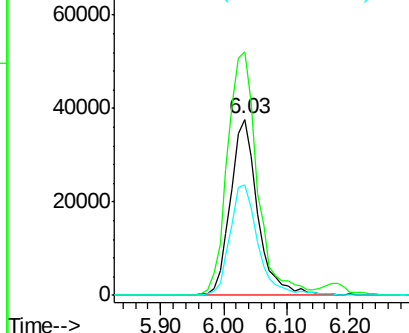
cis-1,2-Dichloroethene
Concen: 19.998 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.03 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

Tot Ion: 96 Resp: 112805
Ion Ratio Lower Upper
96 100
61 138.2 0.0 279.8
98 62.4 0.0 136.0



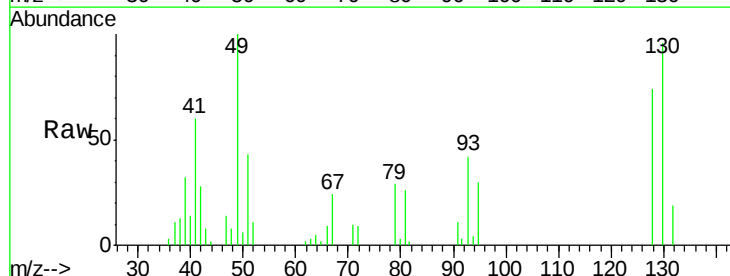
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



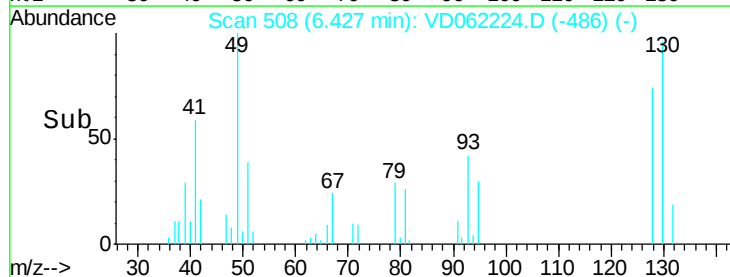
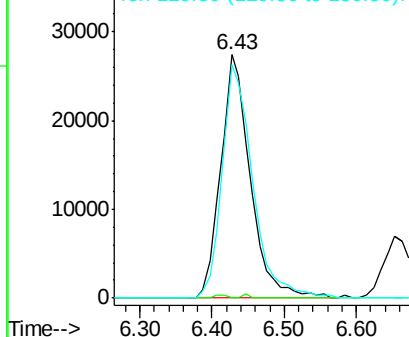
#28

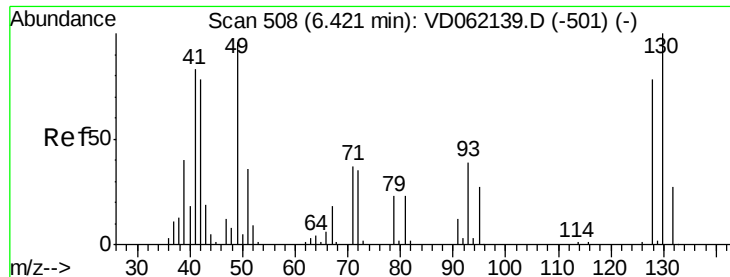
Bromochloromethane
Concen: 23.414 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion: 49 Resp: 77868
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 95.6 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

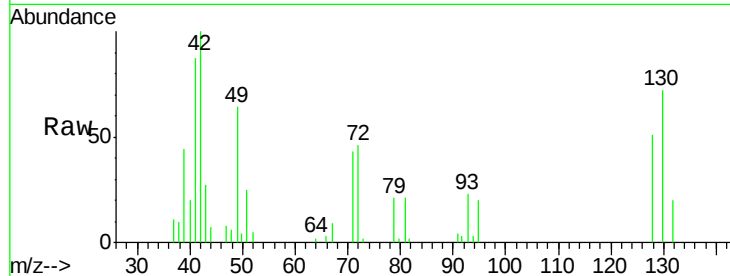




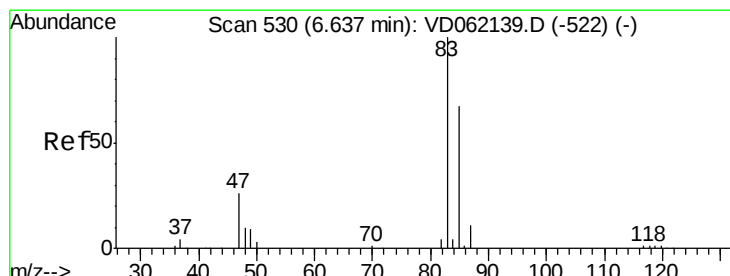
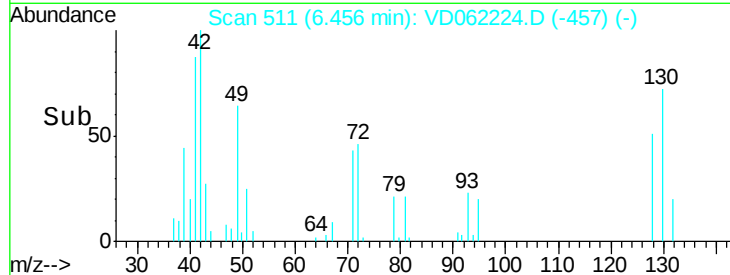
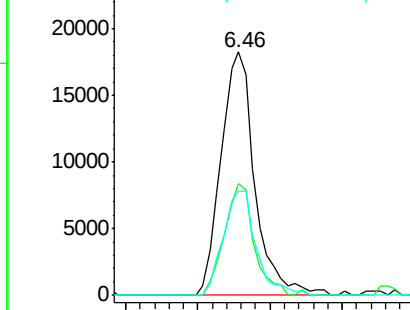
#29
Tetrahydrofuran
Concen: 101.825 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

Tot Ion: 42 Resp: 59235
Ion Ratio Lower Upper
42 100
72 40.3 37.8 56.6
71 42.0 36.7 55.1

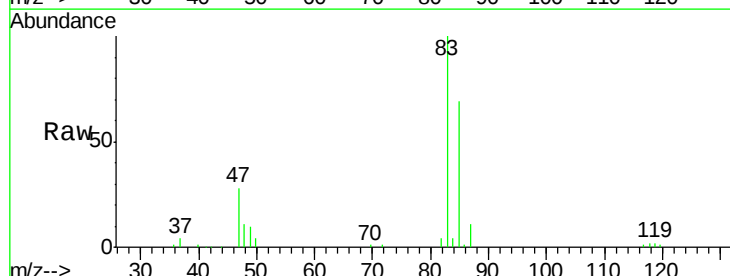


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

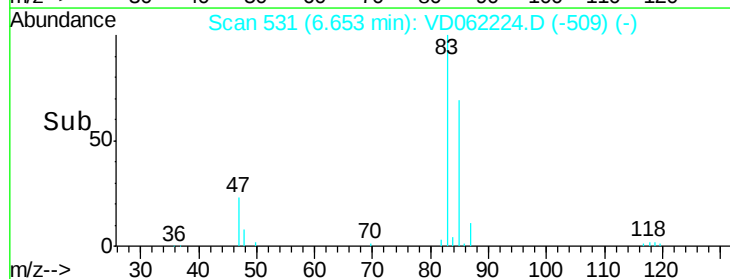
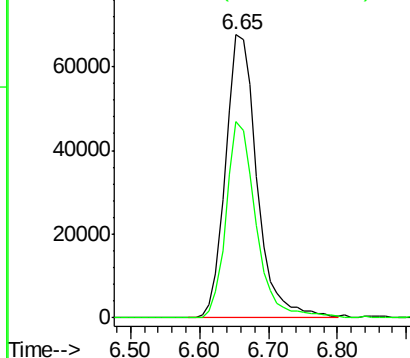


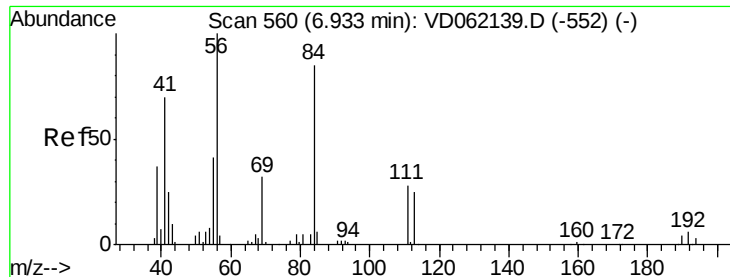
#30
Chloroform
Concen: 21.035 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion: 83 Resp: 214292
Ion Ratio Lower Upper
83 100
85 69.2 51.7 77.5



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

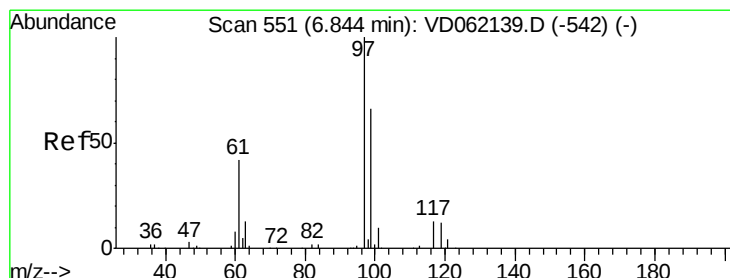
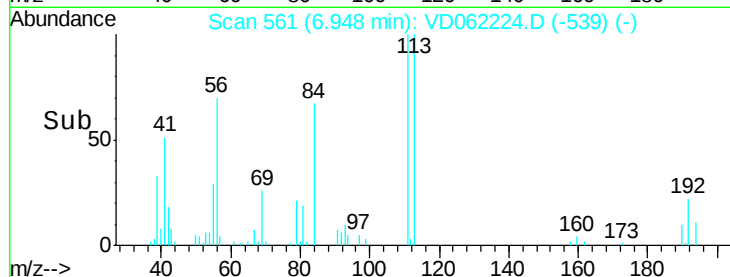
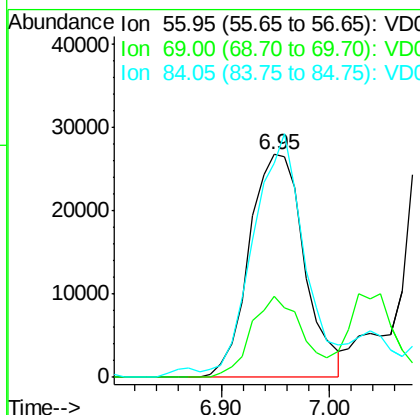
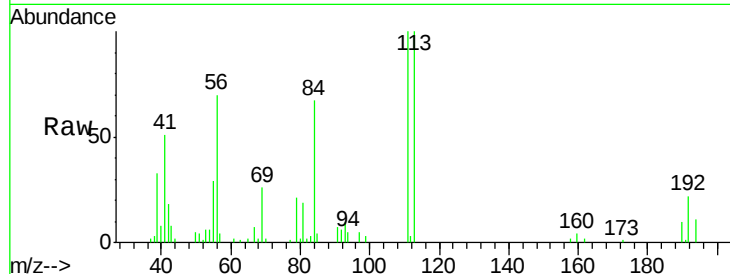




#31
Cvclohexane
Concen: 16.440 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

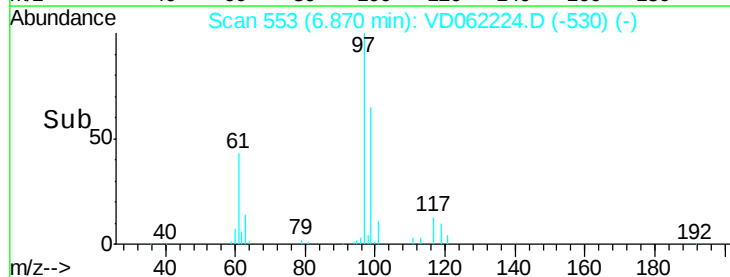
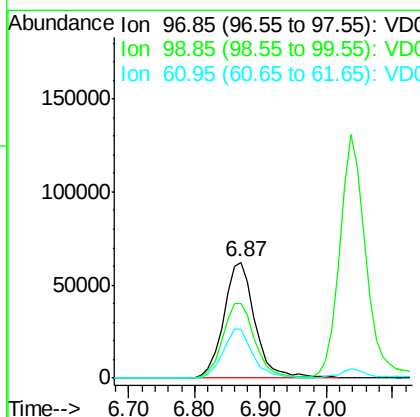
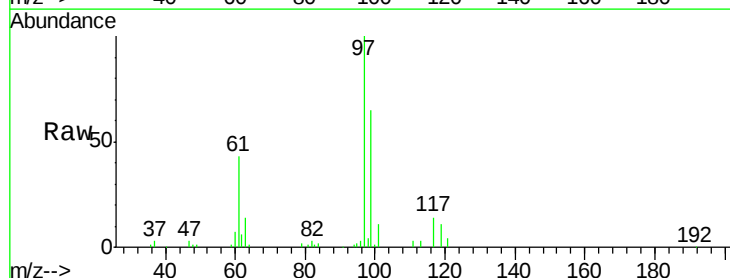
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

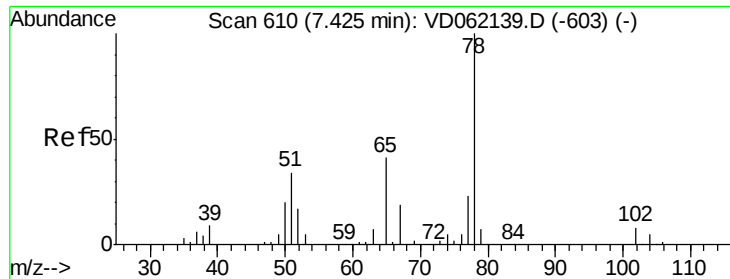
Tot Ion	56	Resp	95205
Ion Ratio	100	Lower	Upper
69	36.5	25.8	38.6
84	96.2	72.2	108.4



#32
1,1,1-Trichloroethane
Concen: 21.488 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.03 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion	97	Resp	206908
Ion Ratio	100	Lower	Upper
99	64.7	52.2	78.2
61	42.6	32.4	48.6

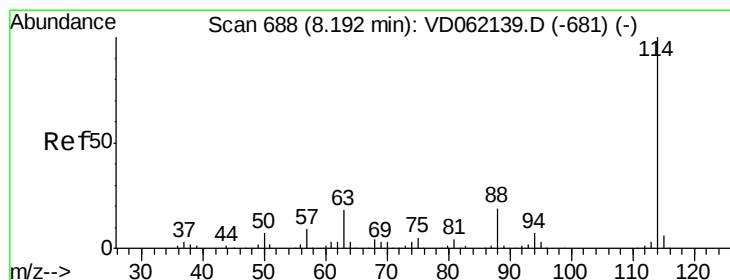
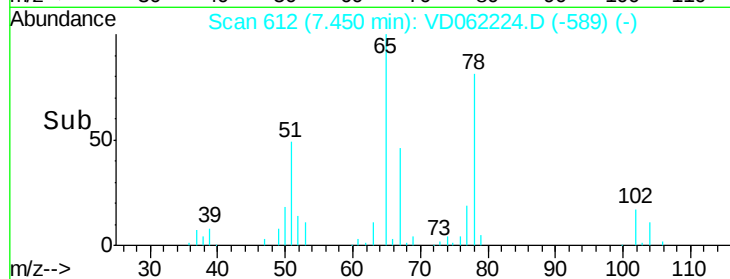
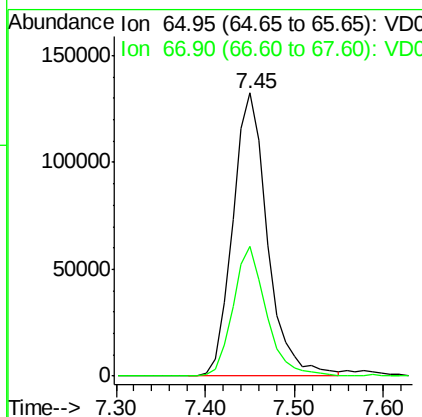
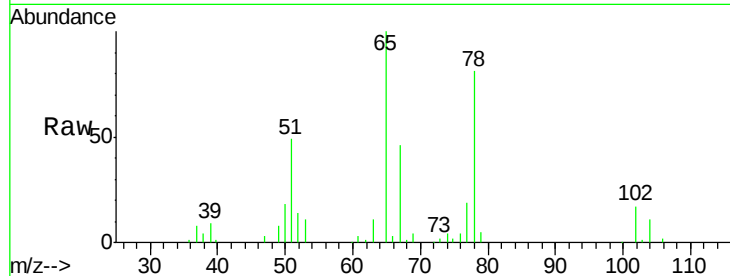




#33
 1,2-Dichloroethane-d4
 Concen: 65.056 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.03 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

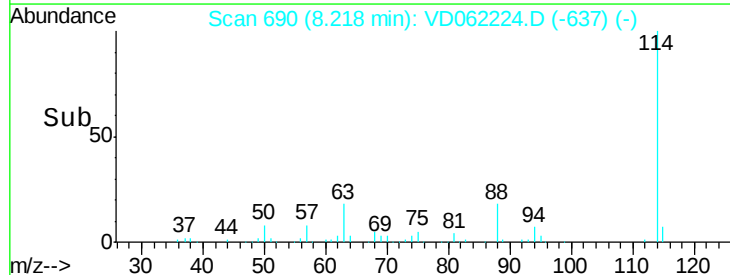
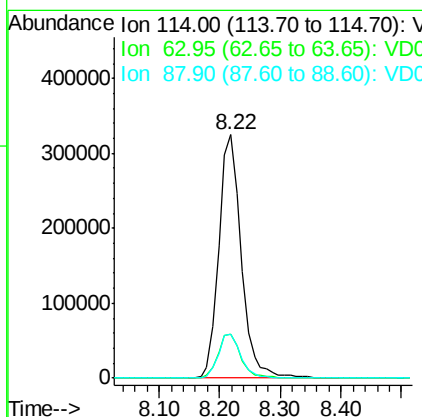
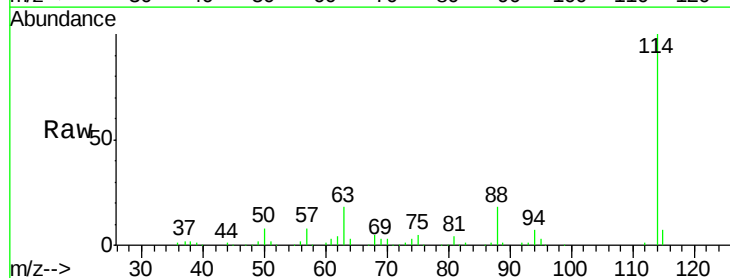
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD02

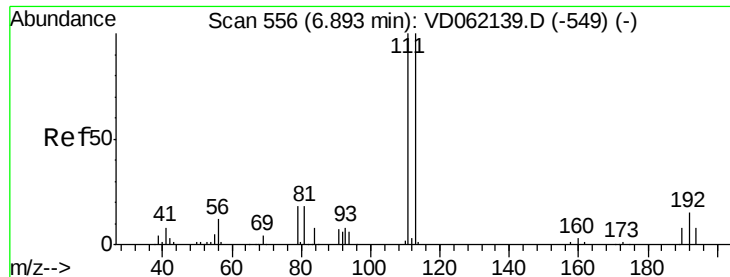
Tot Ion: 65 Resp: 359080
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.03 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Tgt Ion: 114 Resp: 834903
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 32.4
 88 17.8 0.0 33.6

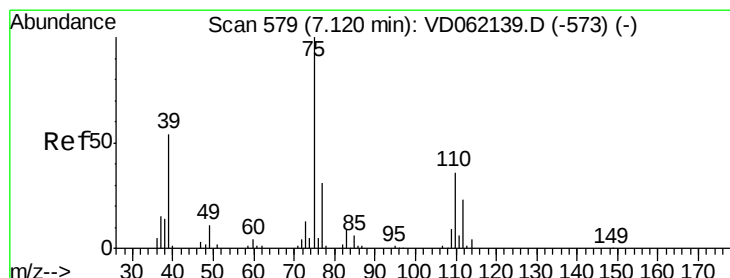
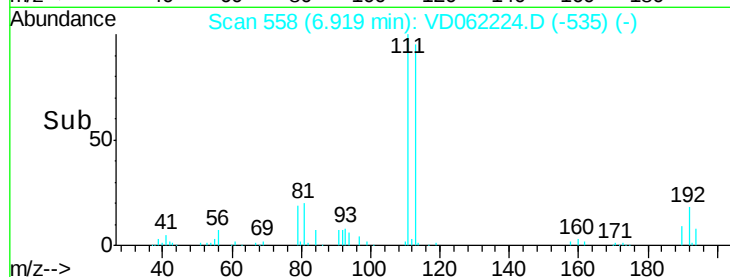
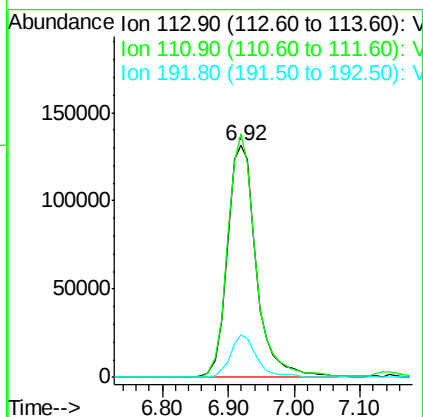
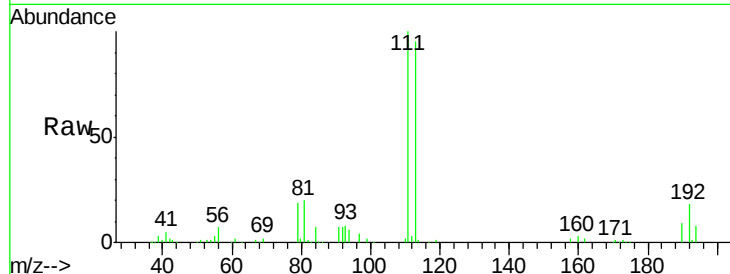




#35
 Dibromofluoromethane
 Concen: 58.396 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.03 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

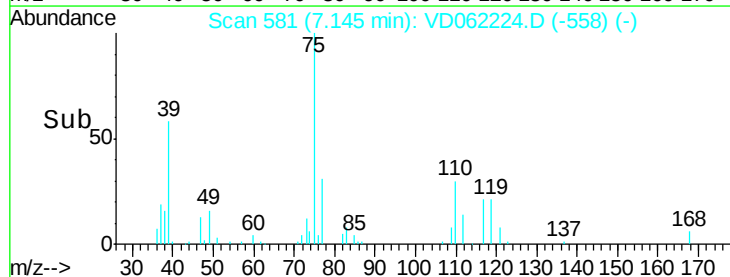
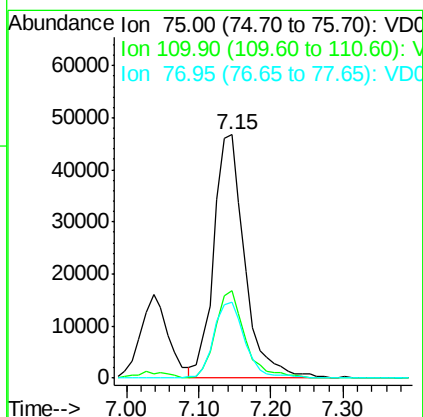
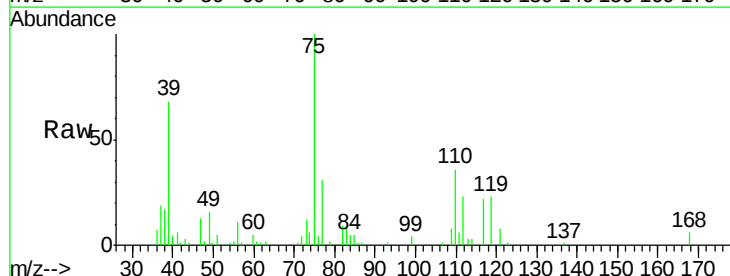
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD02

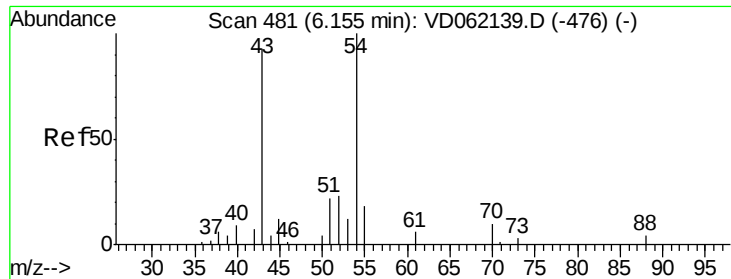
Tot Ion:113 Resp: 404525
 Ion Ratio Lower Upper
 113 100
 111 105.2 78.5 117.7
 192 18.5 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 20.134 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. 0.03 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Tgt Ion: 75 Resp: 137827
 Ion Ratio Lower Upper
 75 100
 110 36.0 19.1 57.1
 77 31.3 25.6 38.4

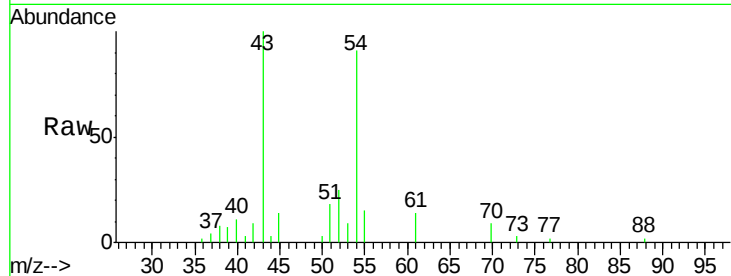




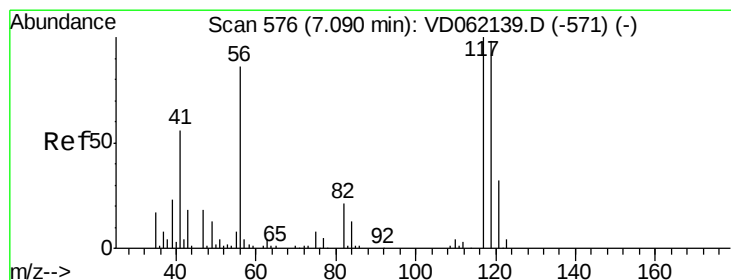
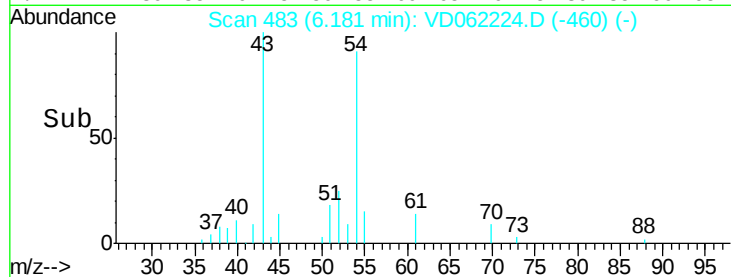
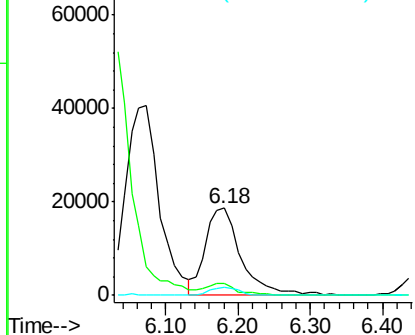
#37
Ethyl Acetate
Concen: 22.111 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.03 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

Tot Ion: 43 Resp: 64190
Ion Ratio Lower Upper
43 100
61 14.3 14.7 22.1#
70 8.8 7.8 11.6

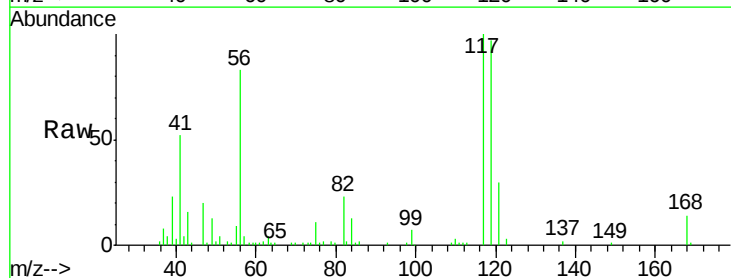


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

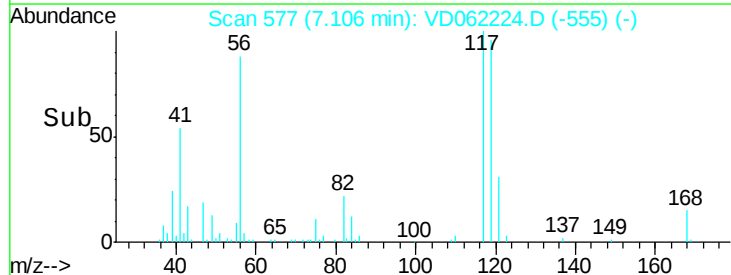
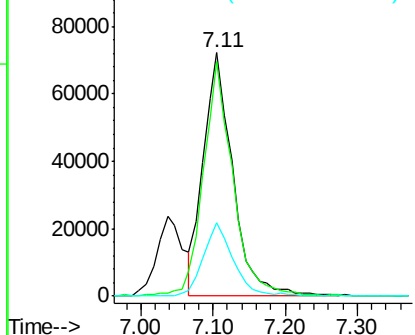


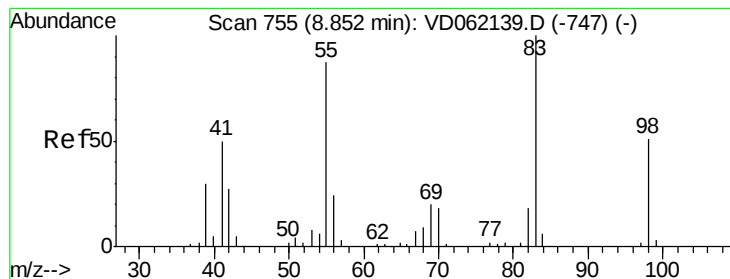
#38
Carbon Tetrachloride
Concen: 21.540 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion: 117 Resp: 204080
Ion Ratio Lower Upper
117 100
119 96.6 75.8 113.8
121 30.3 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: 17.766 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.02 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

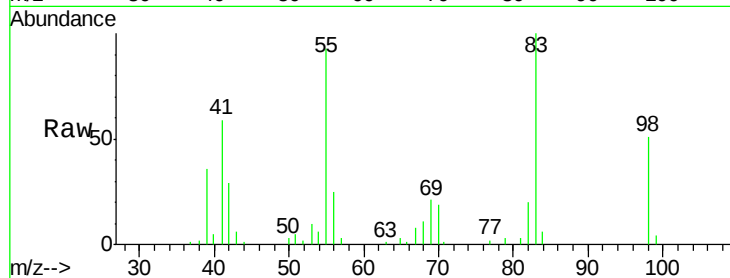
Tot Ion: 83 Resp: 116520

Ion Ratio Lower Upper

83 100

55 93.0 68.2 102.4

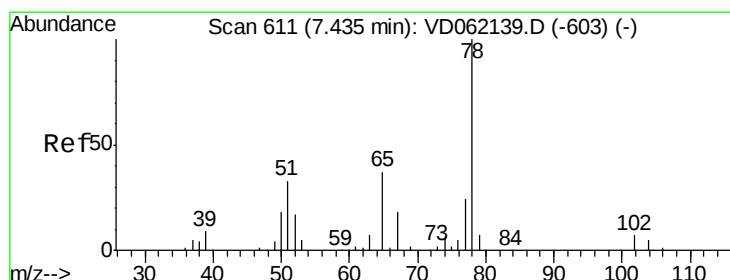
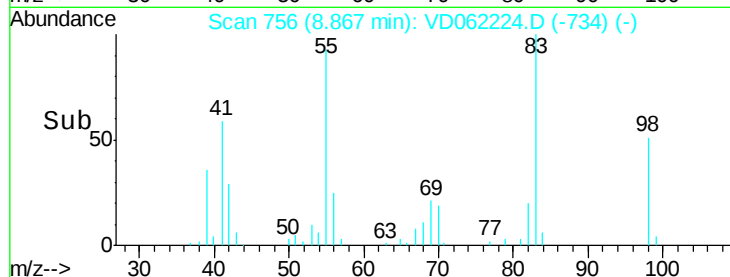
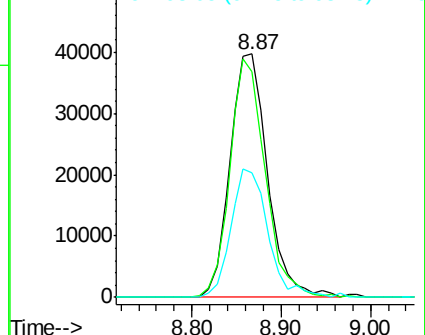
98 51.2 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.594 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062224.D

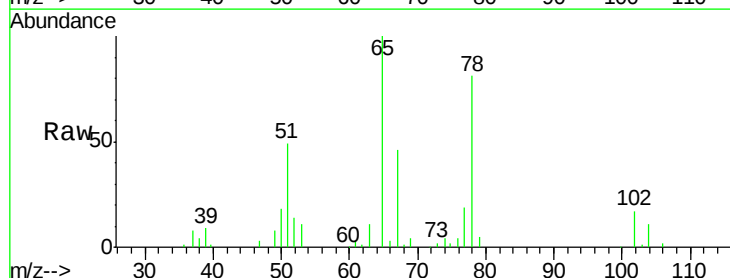
Acq: 10 May 2019 20:01

Tgt Ion: 78 Resp: 302884

Ion Ratio Lower Upper

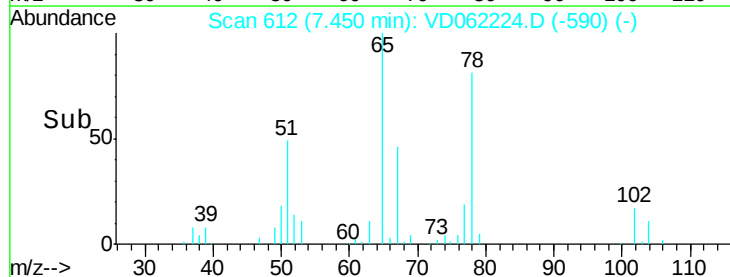
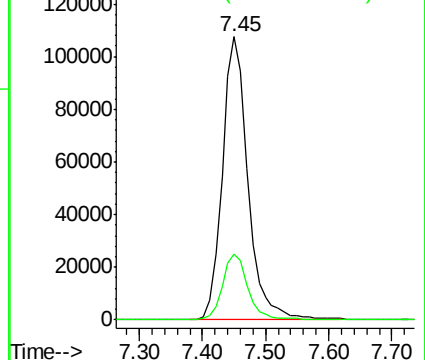
78 100

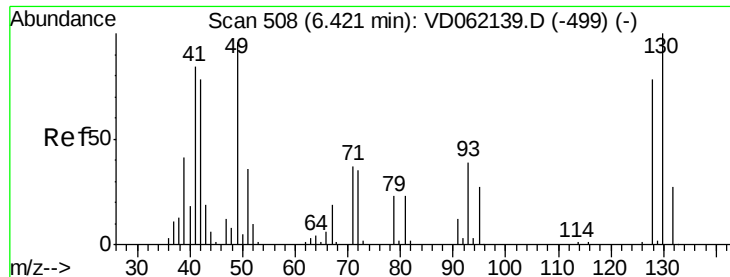
77 23.5 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 21.167 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.03 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

Tot Ion: 41 Resp: 75093

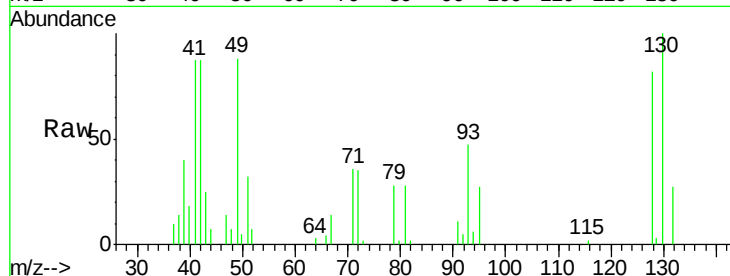
Ion Ratio Lower Upper

41 100

39 46.2 34.1 51.1

67 15.6 23.8 35.6#

52 8.0 8.8 13.2#

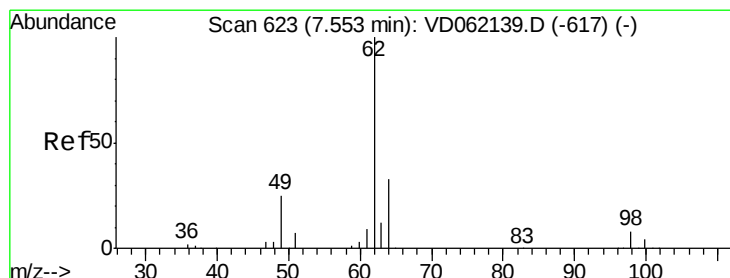
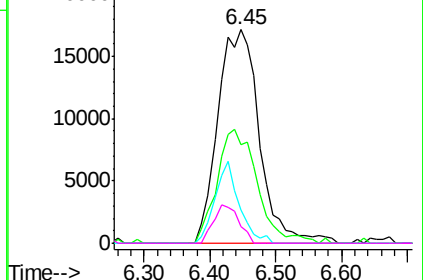
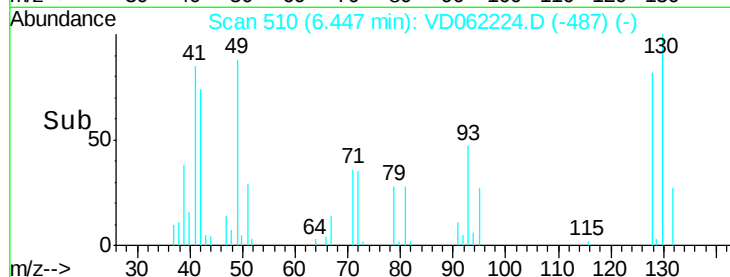


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 22.850 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.02 min

Lab File: VD062224.D

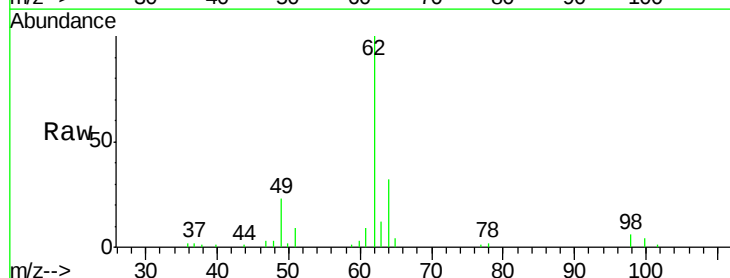
Acq: 10 May 2019 20:01

Tgt Ion: 62 Resp: 149647

Ion Ratio Lower Upper

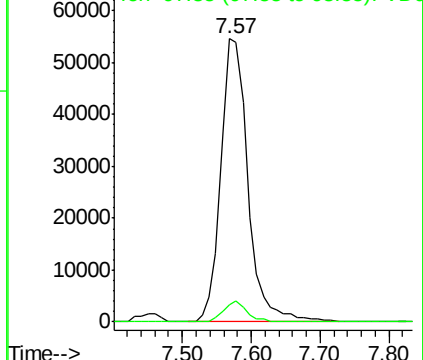
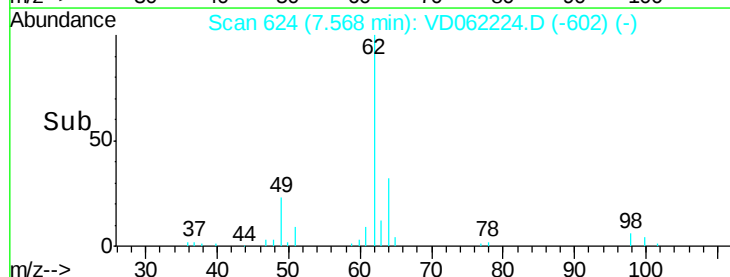
62 100

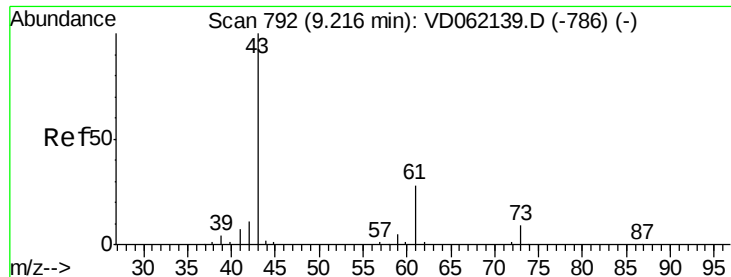
98 6.2 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



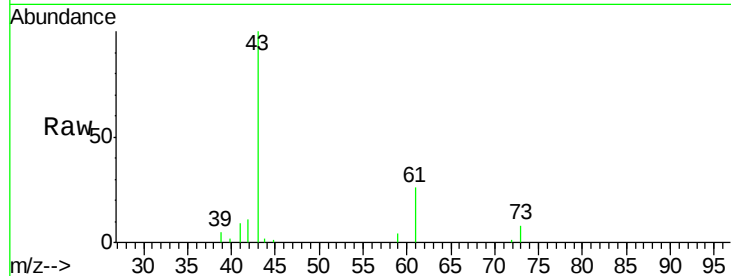


#43

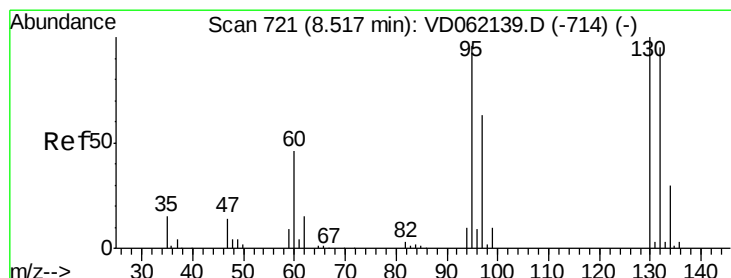
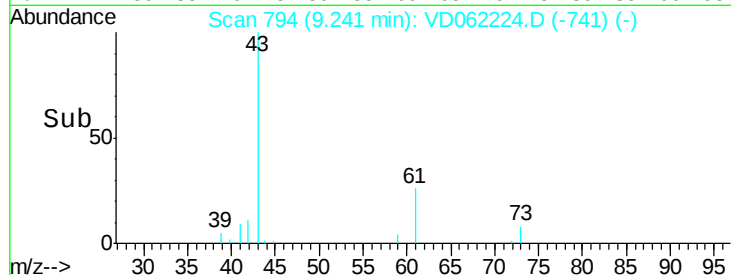
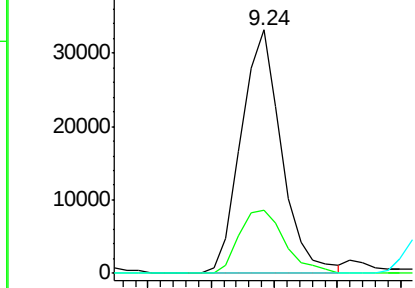
Isopropyl Acetate
 Concen: 17.840 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.03 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

Tot Ion: 43 Resp: 73449
 Ion Ratio Lower Upper
 43 100
 61 26.1 25.1 37.7
 87 0.0 0.0 0.0



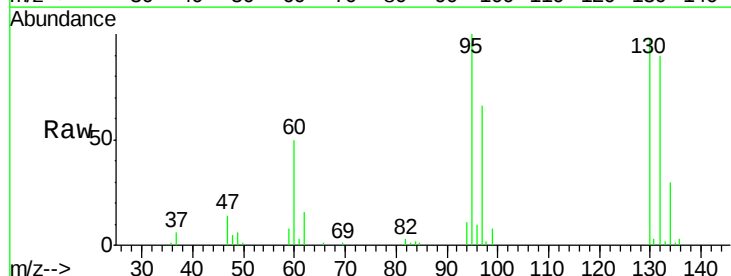
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



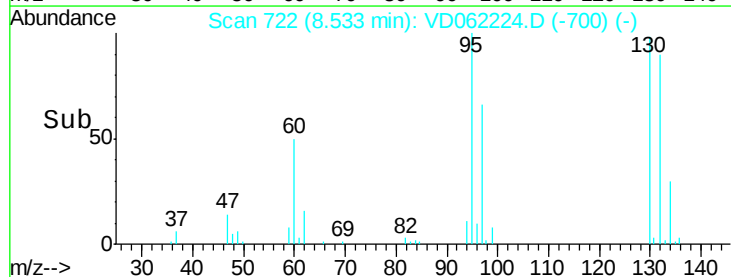
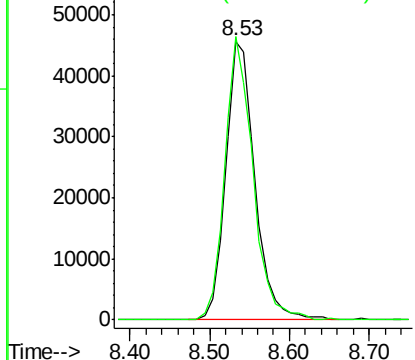
#44

Trichloroethene
 Concen: 19.808 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.02 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Tgt Ion: 130 Resp: 116675
 Ion Ratio Lower Upper
 130 100
 95 101.5 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.263 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.02 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

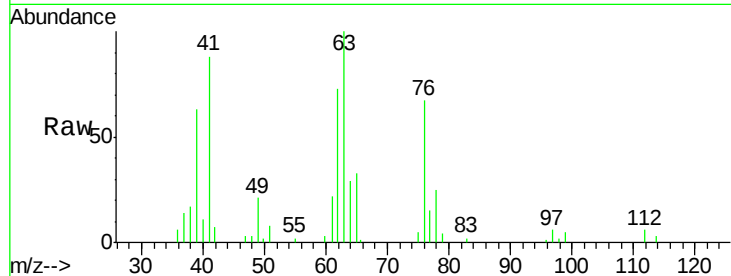
VD0510SBSD02

Tot Ion: 63 Resp: 73650

Ion Ratio Lower Upper

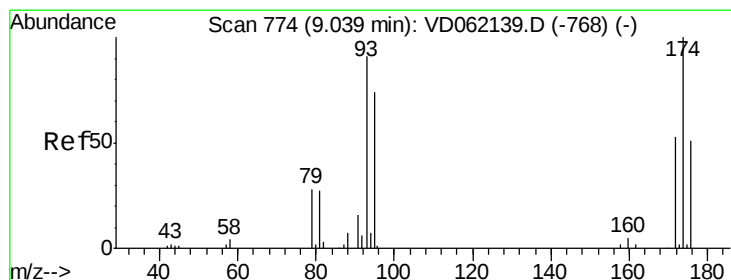
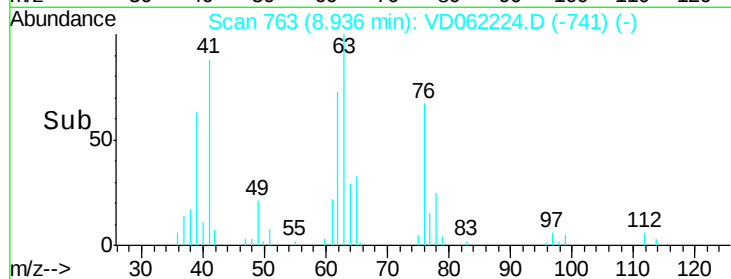
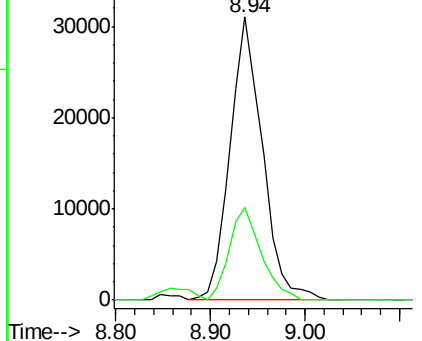
63 100

65 32.7 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: 20.413 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.02 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

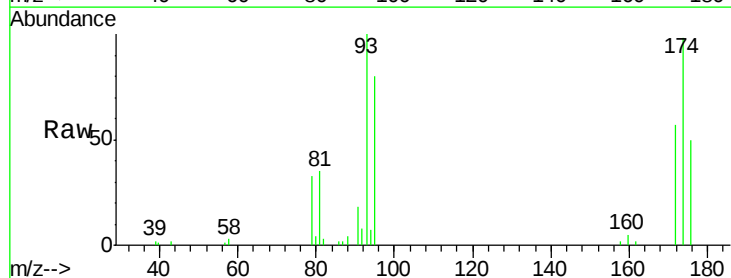
Tgt Ion: 93 Resp: 63468

Ion Ratio Lower Upper

93 100

95 80.3 64.8 97.2

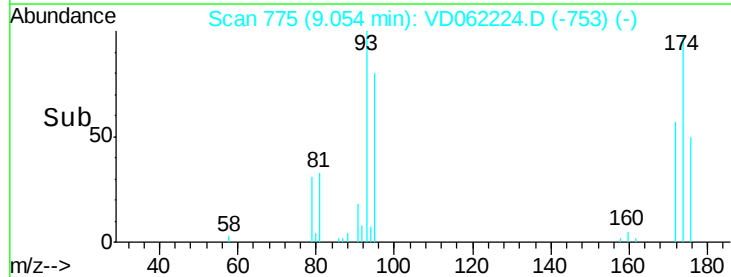
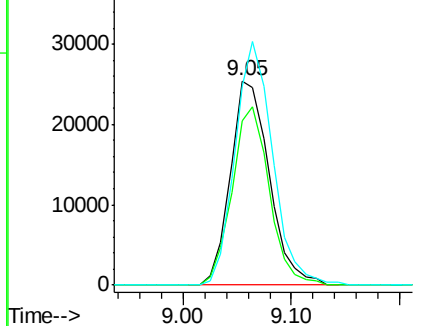
174 97.6 79.3 118.9

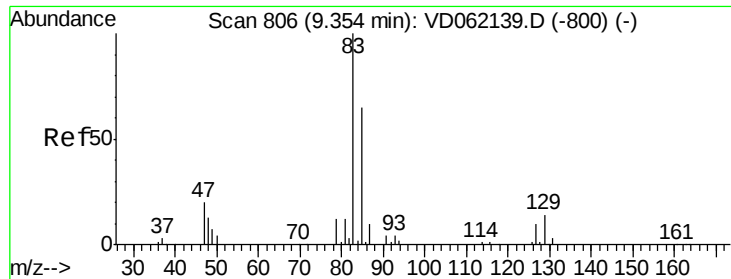


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.903 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.03 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

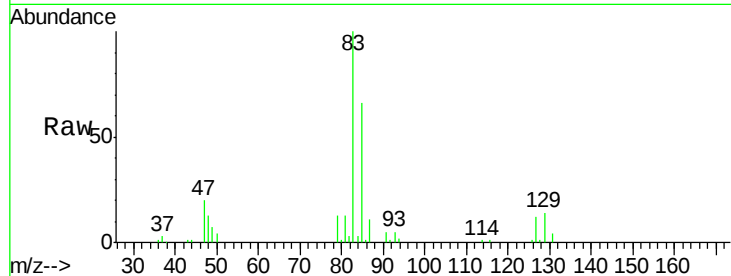
Tot Ion: 83 Resp: 166575

Ion Ratio Lower Upper

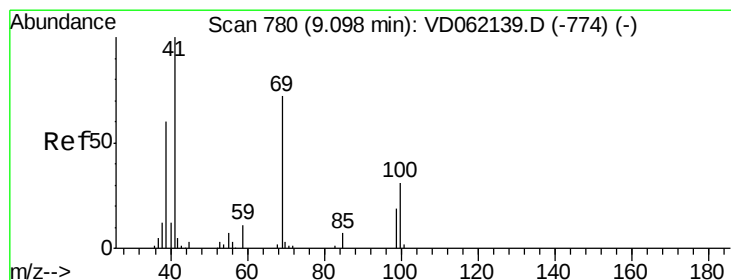
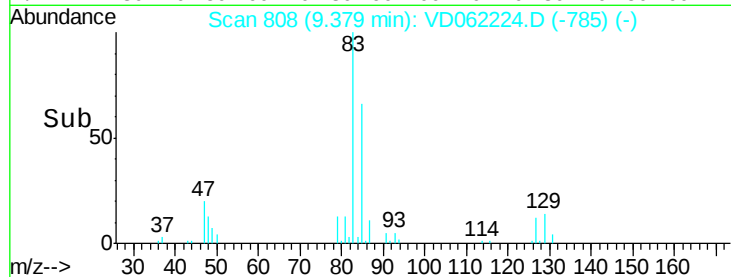
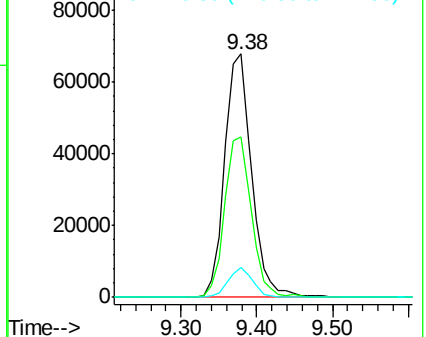
83 100

85 66.1 50.9 76.3

127 12.0 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: 20.043 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.03 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

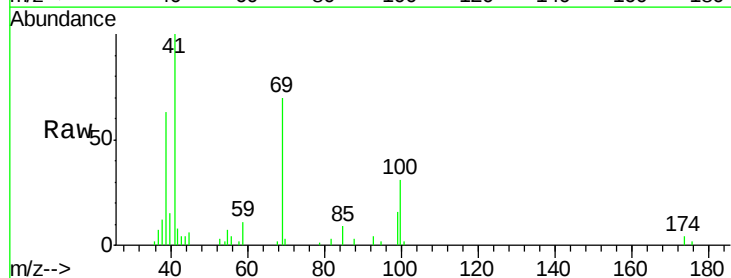
Tgt Ion: 41 Resp: 50830

Ion Ratio Lower Upper

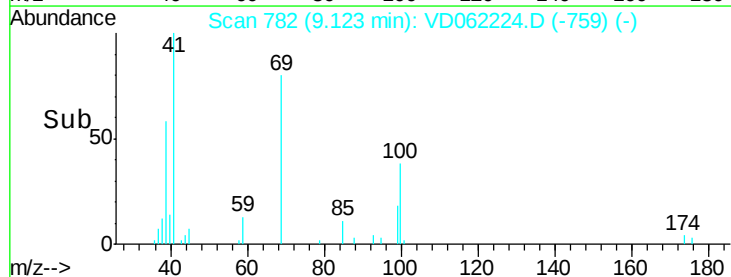
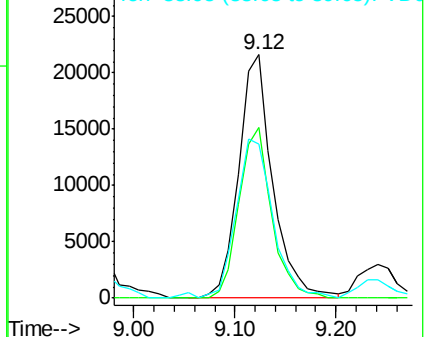
41 100

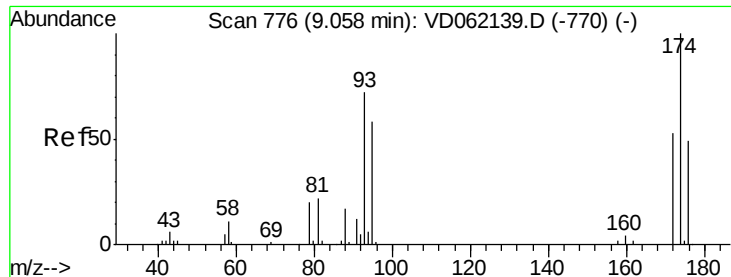
69 70.1 64.2 96.2

39 63.2 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

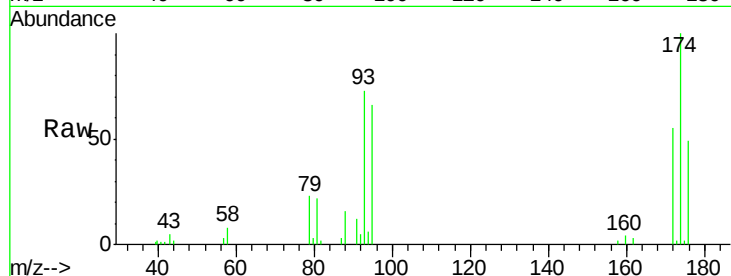




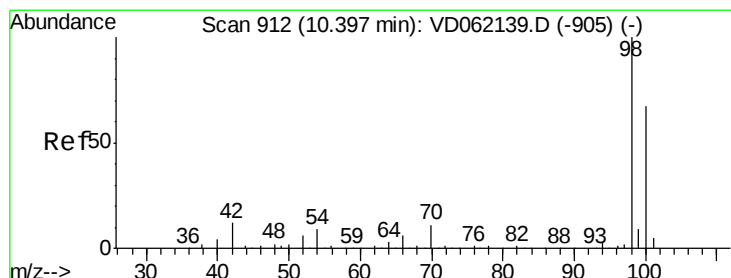
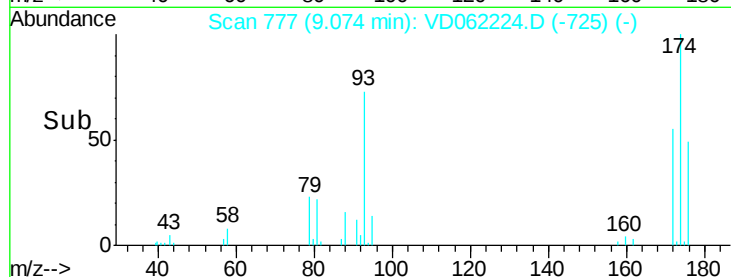
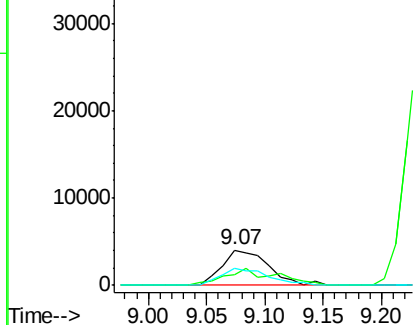
#49
1,4-Dioxane
Concen: 406.216 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

Tot Ion: 88 Resp: 11115
Ion Ratio Lower Upper
88 100
43 29.1 23.4 35.0
58 49.8 44.0 66.0

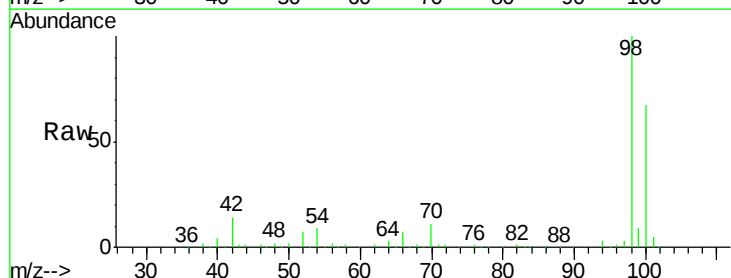


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

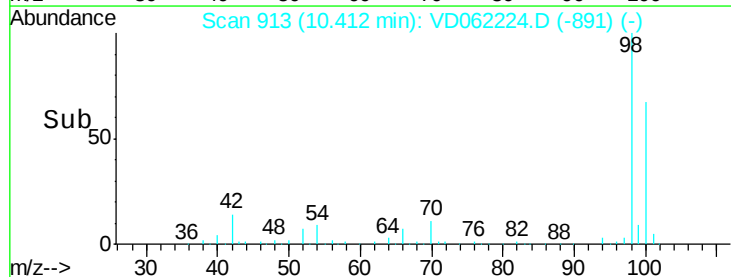
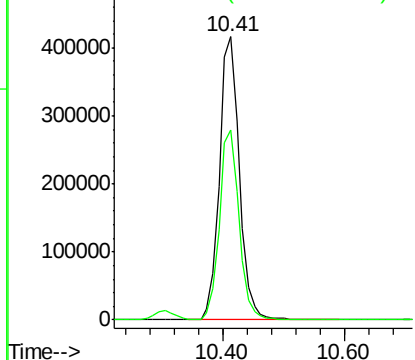


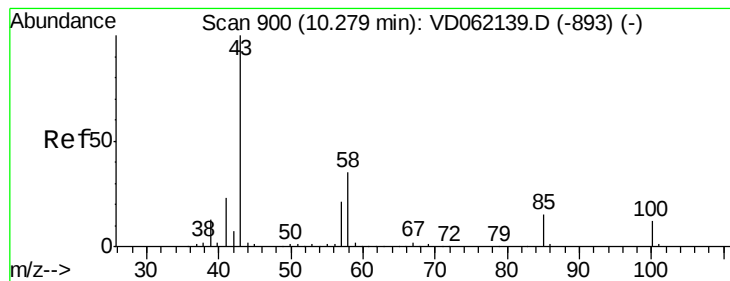
#50
Toluene-d8
Concen: 56.753 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion: 98 Resp: 947906
Ion Ratio Lower Upper
98 100
100 66.9 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 102.742 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.03 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleID :

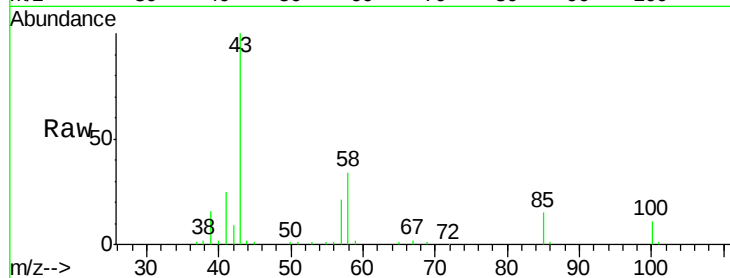
VD0510SBS02

Tot Ion: 43 Resp: 271911

Ion Ratio Lower Upper

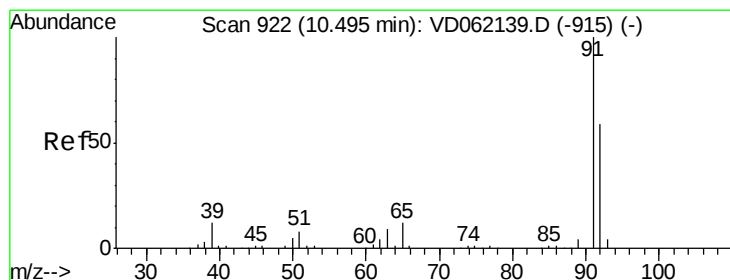
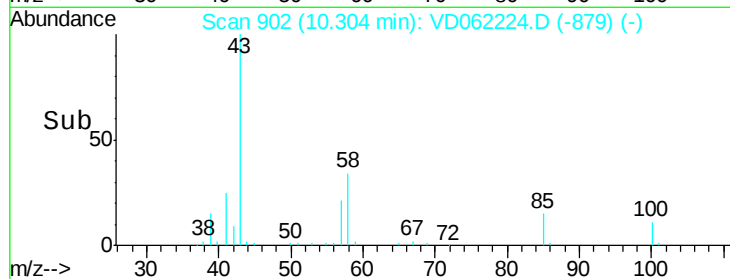
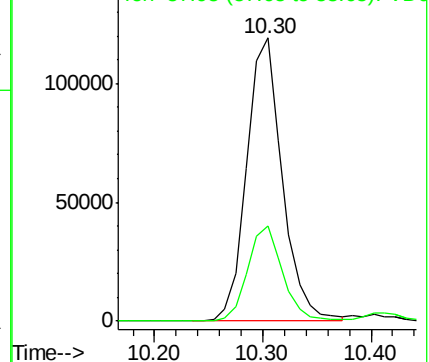
43 100

58 33.8 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: 20.735 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD062224.D

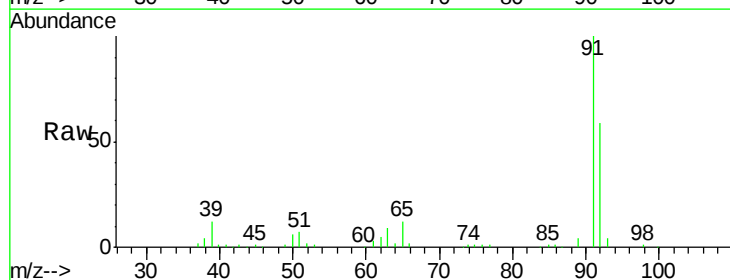
Acq: 10 May 2019 20:01

Tgt Ion: 92 Resp: 208545

Ion Ratio Lower Upper

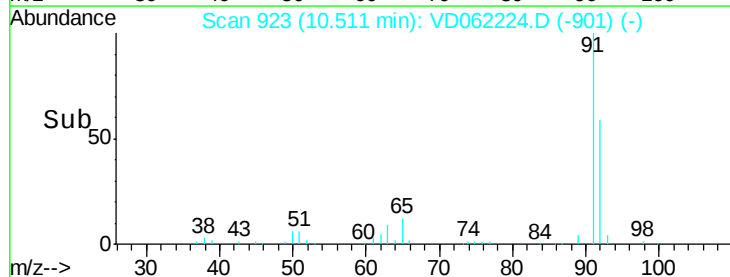
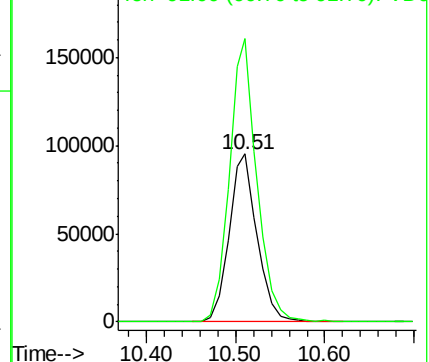
92 100

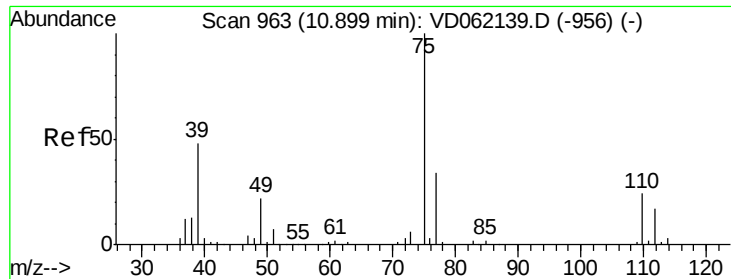
91 168.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

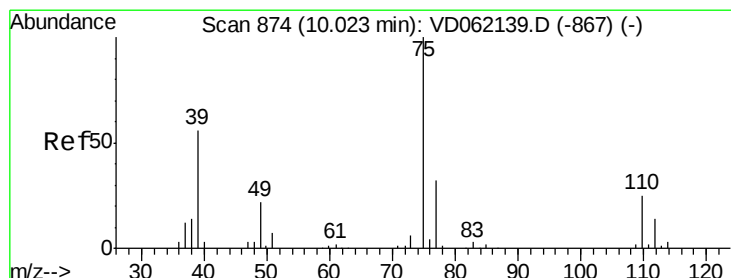
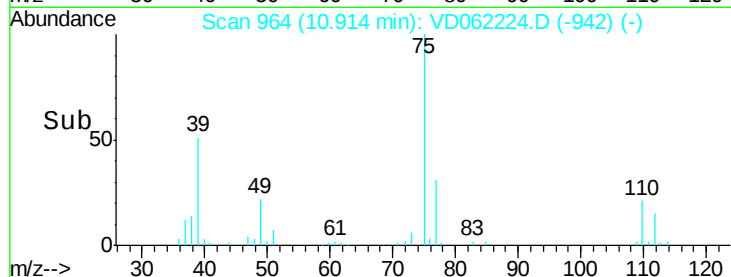
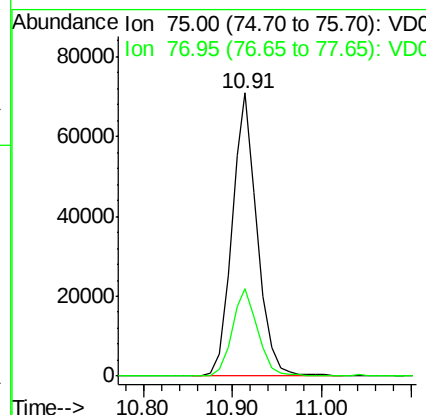
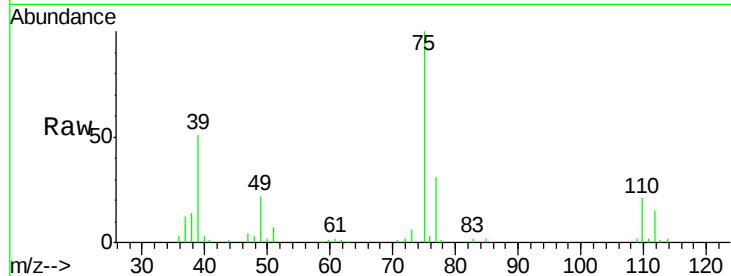




#53
 t-1,3-Dichloropropene
 Concen: 21.162 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.02 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

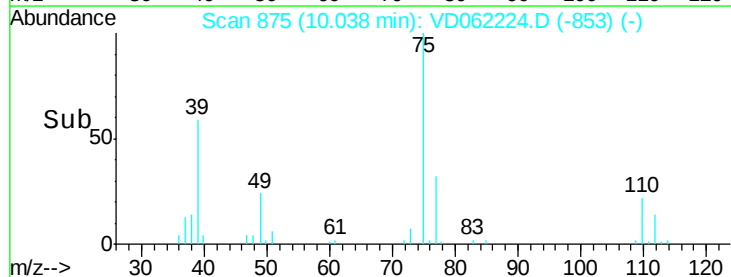
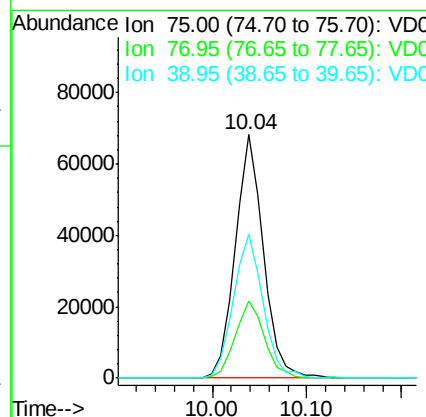
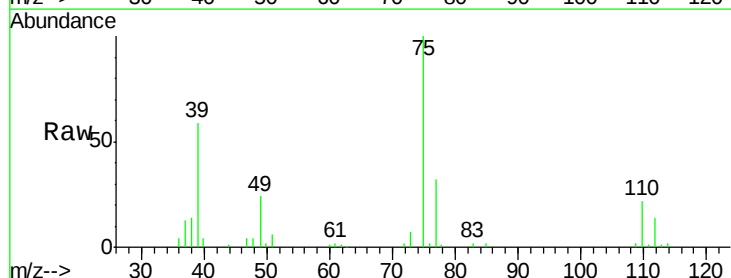
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD02

Tot Ion: 75 Resp: 139100
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.542 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.02 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Tgt Ion: 75 Resp: 140128
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3
 39 59.1 39.4 59.2

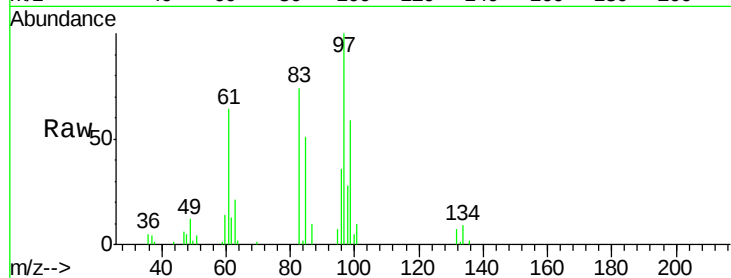




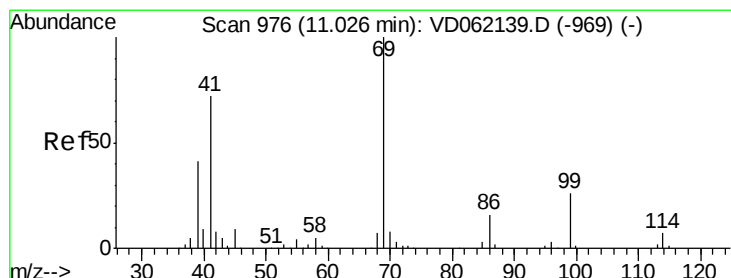
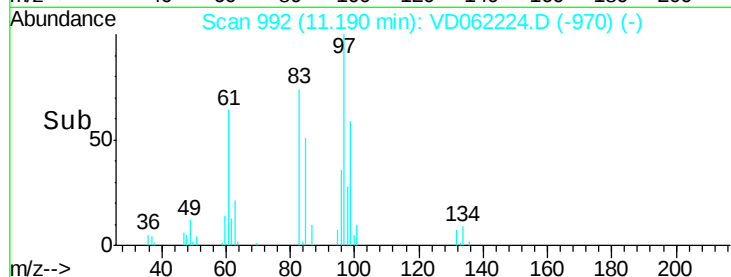
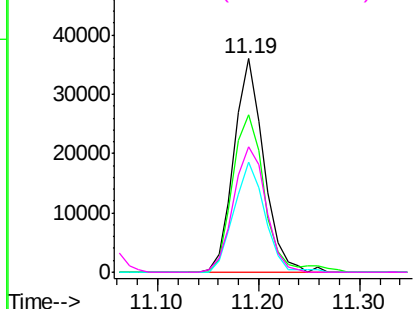
#55
 1,1,2-Trichloroethane
 Concen: 20.822 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD02

Tot Ion:	97	Resp:	74096
Ion	Ratio	Lower	Upper
97	100		
83	74.0	65.7	98.5
85	51.4	45.6	68.4
99	58.5	48.4	72.6

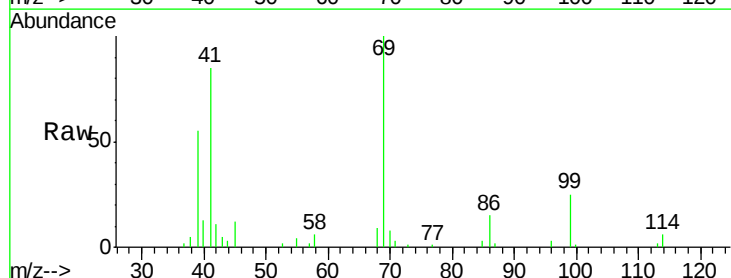


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

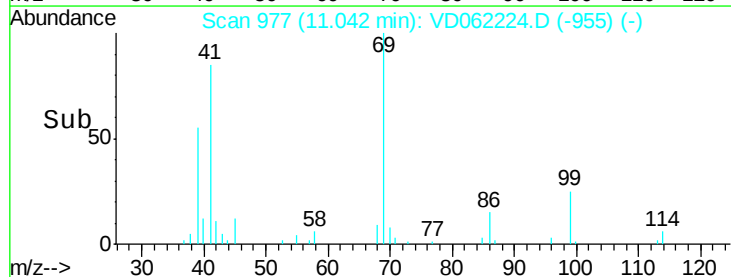
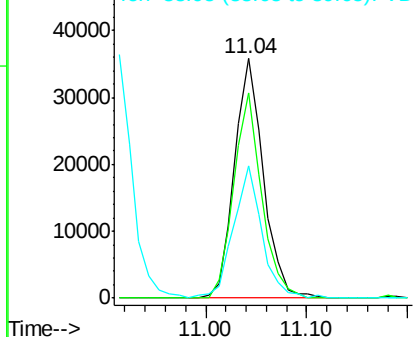


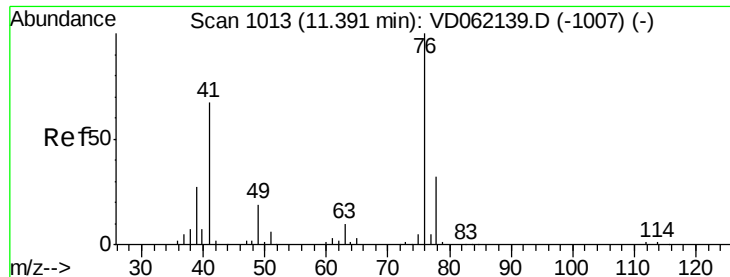
#56
 Ethyl methacrylate
 Concen: 19.233 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.02 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Tgt Ion:	69	Resp:	71121
Ion	Ratio	Lower	Upper
69	100		
41	85.5	56.3	84.5#
39	55.2	29.4	44.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

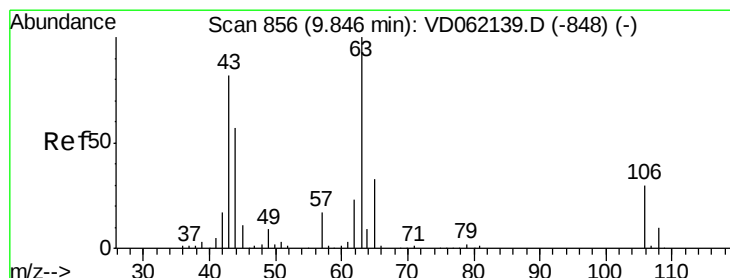
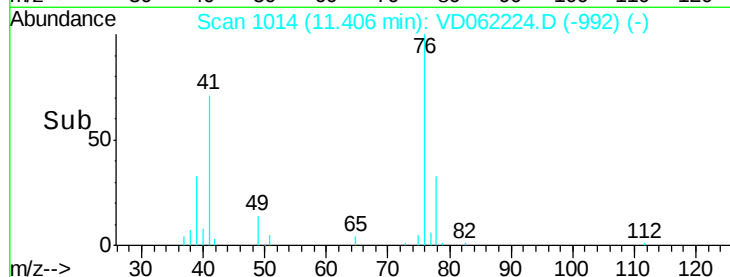
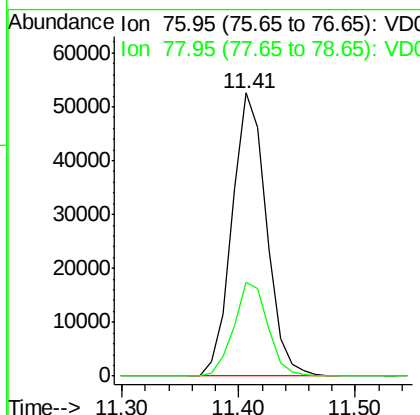
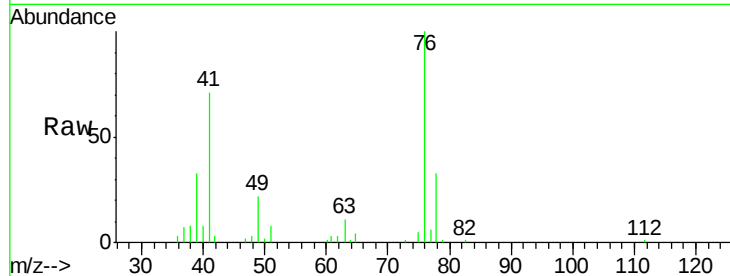




#57
 1,3-Dichloropropane
 Concen: 19.937 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.02 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

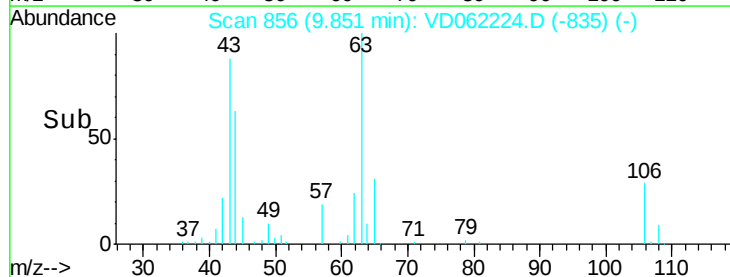
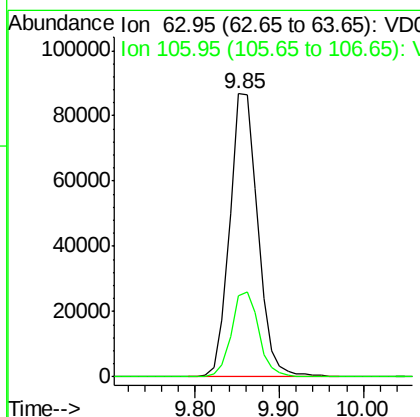
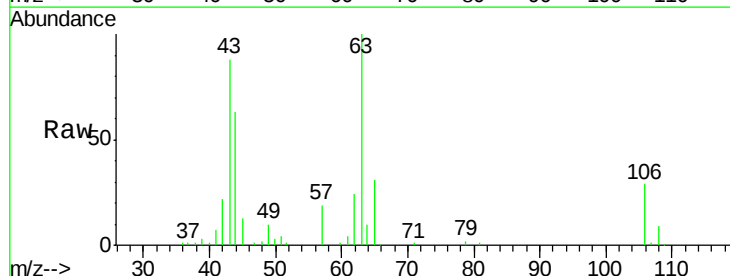
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD02

Tot Ion: 76 Resp: 107182
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.909 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Tgt Ion: 63 Resp: 201806
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.6 34.0

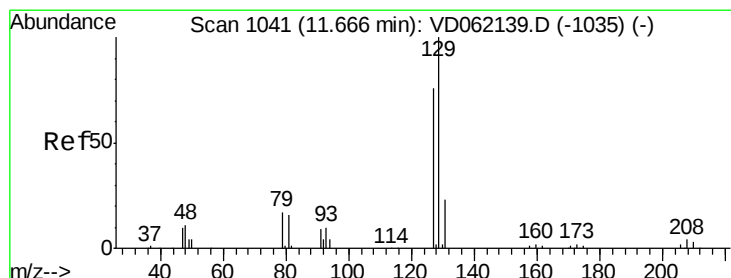
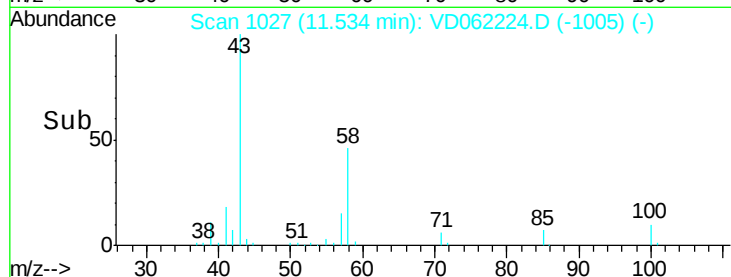
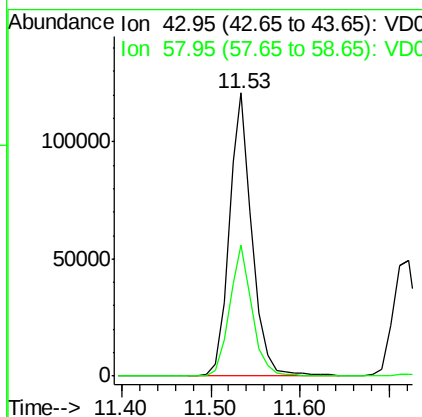
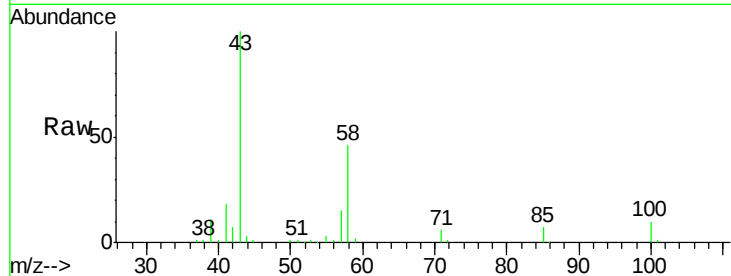




#59
2-Hexanone
Concen: 110.103 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

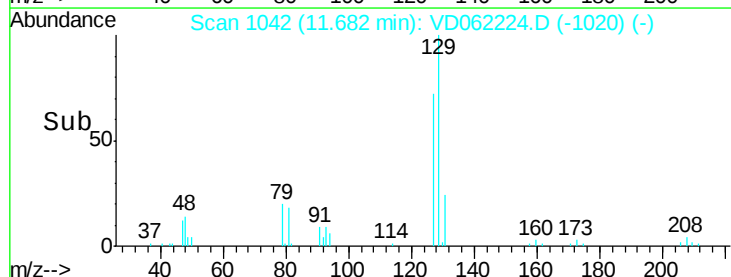
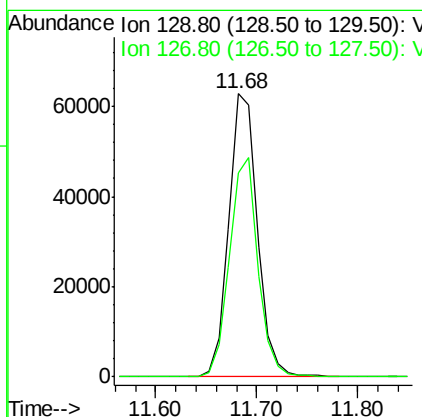
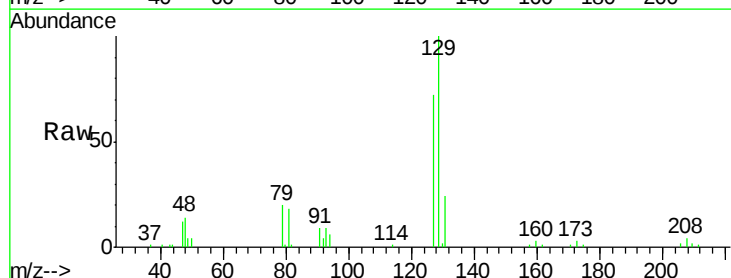
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

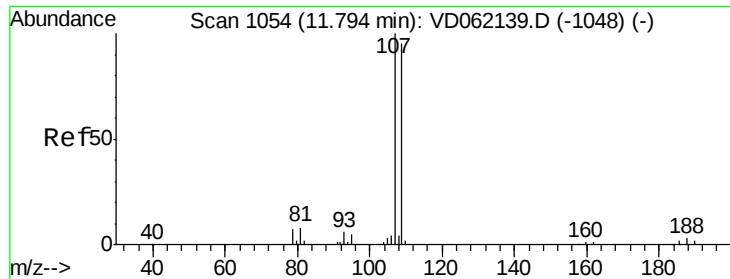
Tot Ion: 43 Resp: 214767
Ion Ratio Lower Upper
43 100
58 46.3 25.4 76.4



#60
Dibromochloromethane
Concen: 20.004 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion: 129 Resp: 123023
Ion Ratio Lower Upper
129 100
127 72.1 38.0 113.9

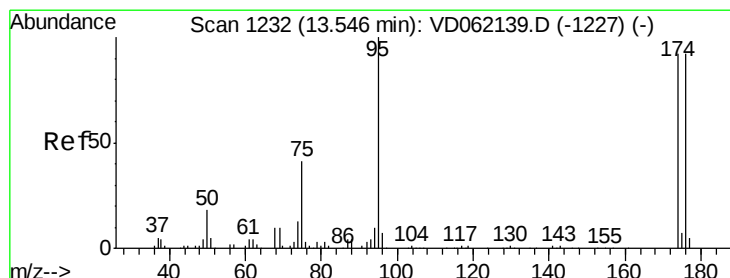
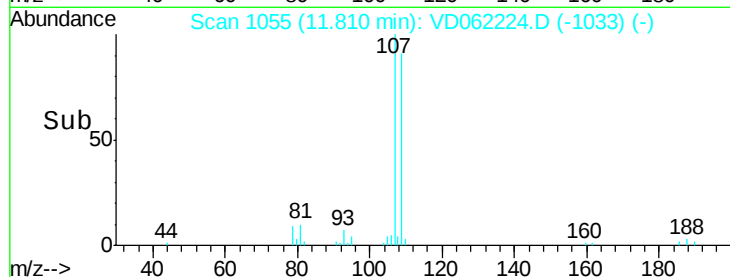
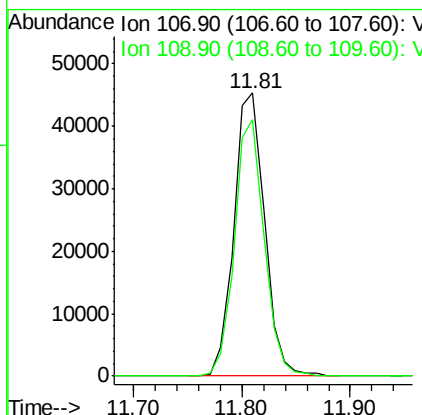
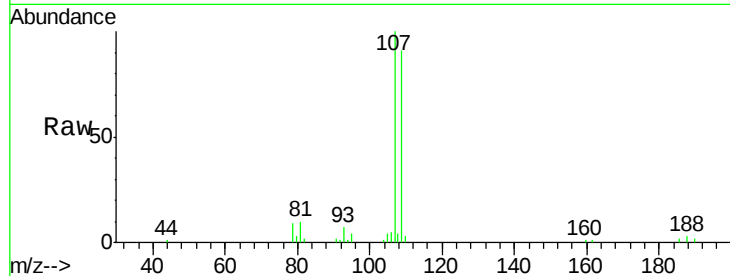




#61
 1,2-Dibromoethane
 Concen: 20.638 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

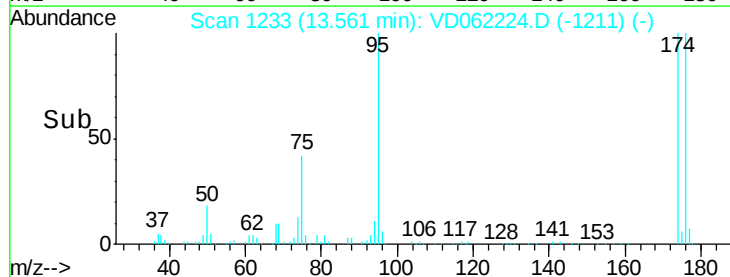
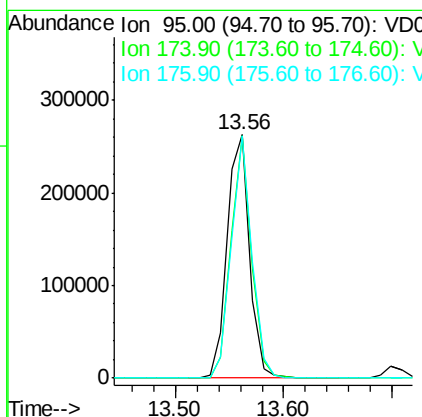
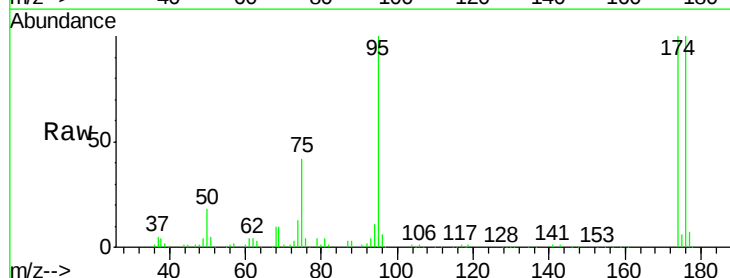
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD02

Tot Ion:107 Resp: 89289
 Ion Ratio Lower Upper
 107 100
 109 90.8 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 56.495 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Tgt Ion: 95 Resp: 378915
 Ion Ratio Lower Upper
 95 100
 174 99.7 0.0 181.8
 176 99.7 0.0 174.4

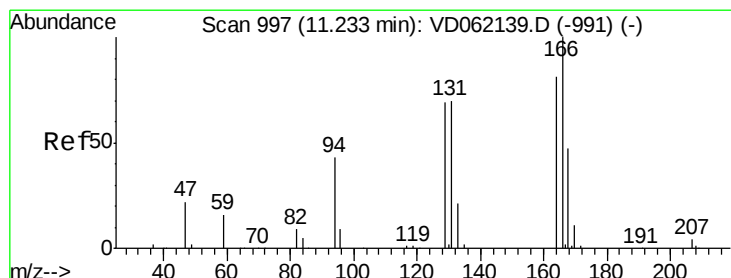
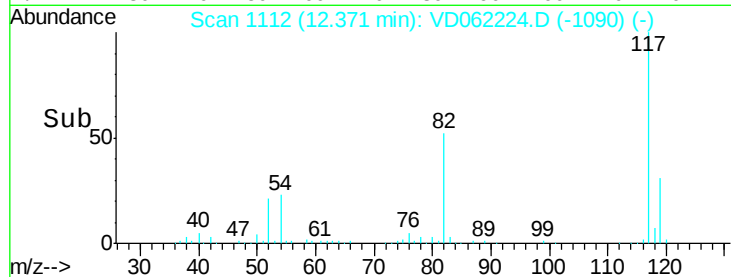
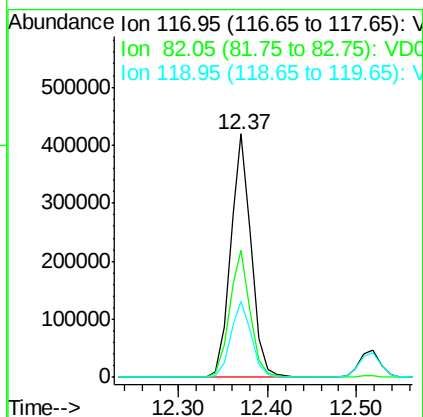
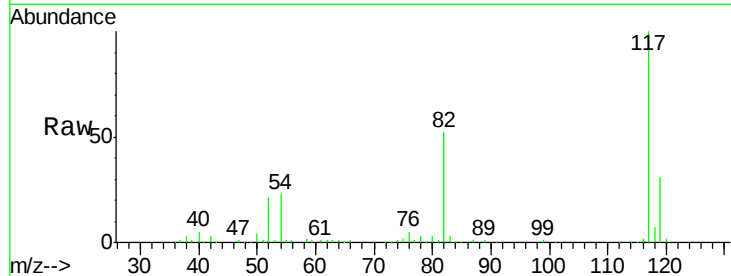




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

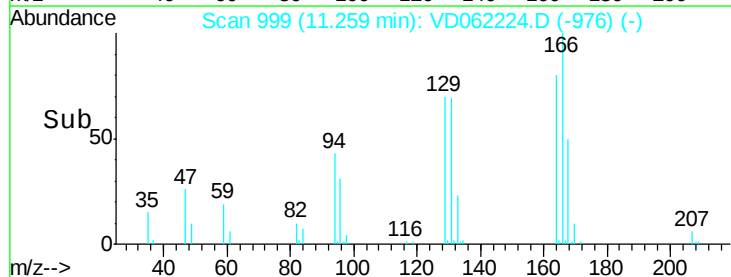
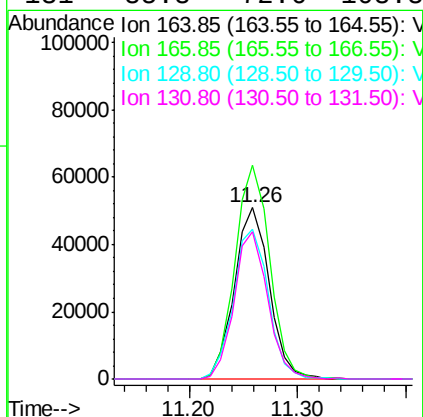
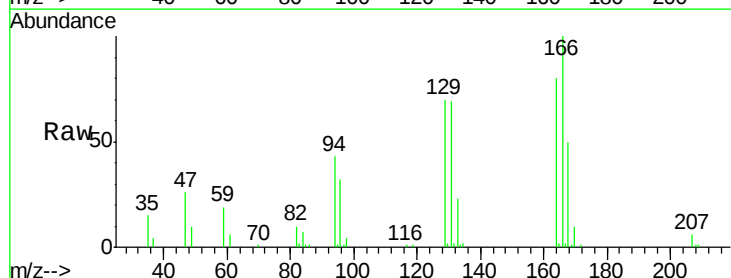
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

Tot Ion:117 Resp: 676278
Ion Ratio Lower Upper
117 100
82 52.2 36.2 54.2
119 31.4 26.2 39.4



#64
Tetrachloroethene
Concen: 21.627 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.03 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion:164 Resp: 114371
Ion Ratio Lower Upper
164 100
166 124.5 101.5 152.3
129 87.2 74.6 112.0
131 85.8 72.6 108.8

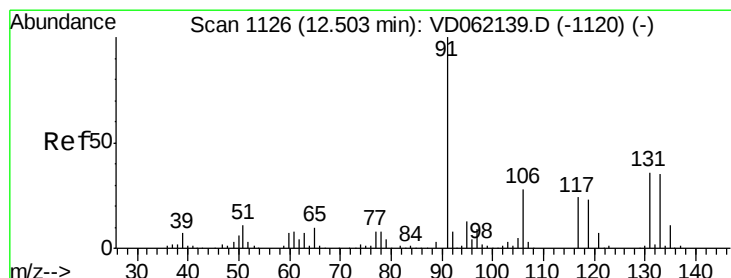
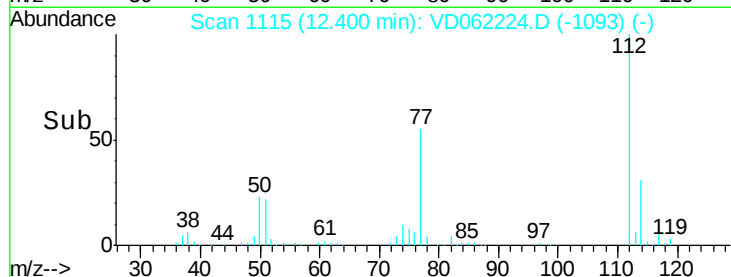
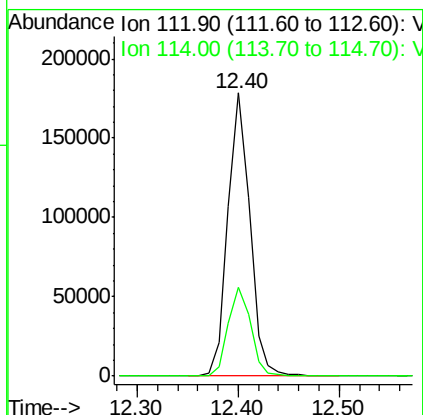
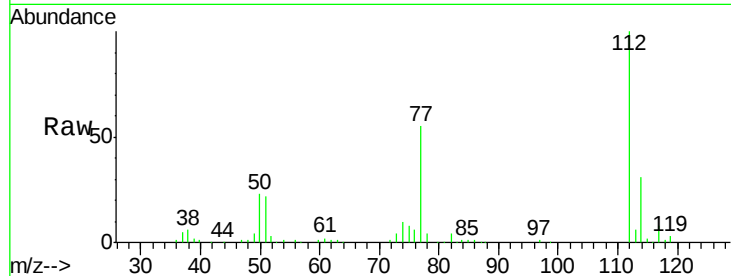




#65
Chlorobenzene
Concen: 21.498 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

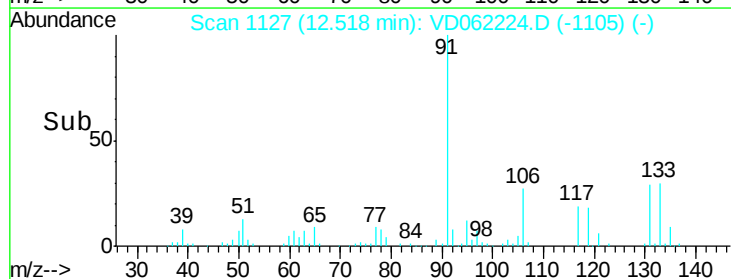
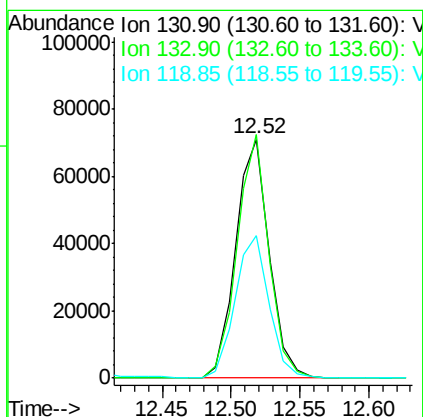
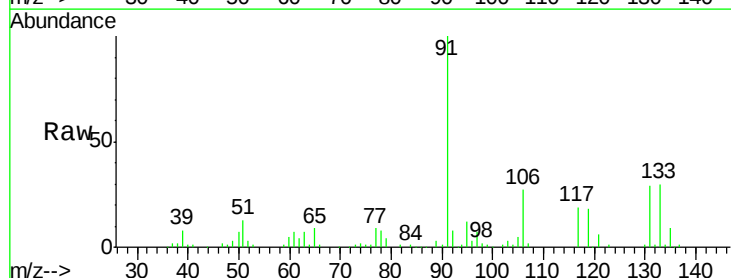
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

Tot Ion:112 Resp: 270782
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.899 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion:131 Resp: 120049
Ion Ratio Lower Upper
131 100
133 102.0 48.6 145.8
119 59.7 34.7 104.1

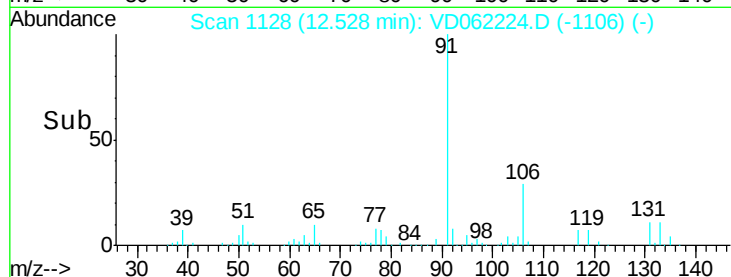
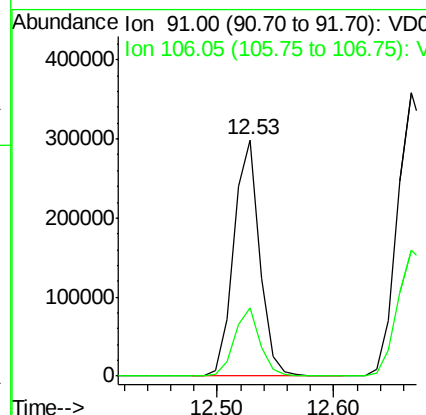
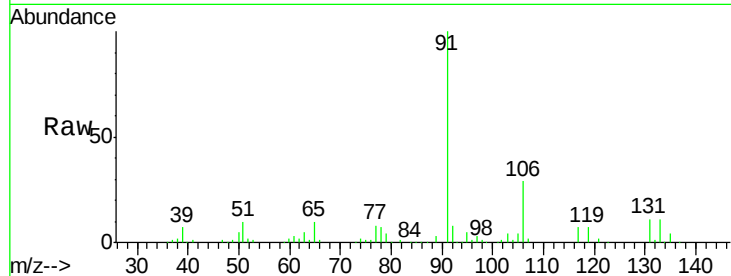




#67
Ethyl Benzene
Concen: 21.792 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

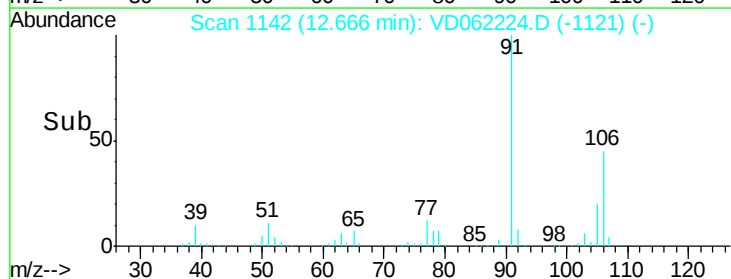
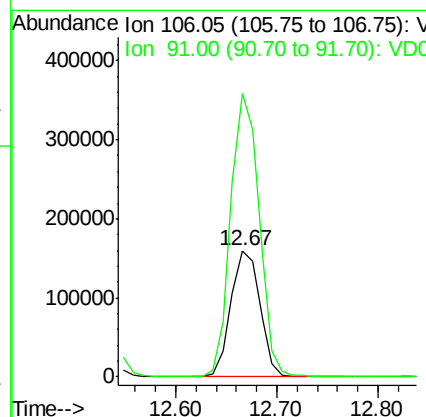
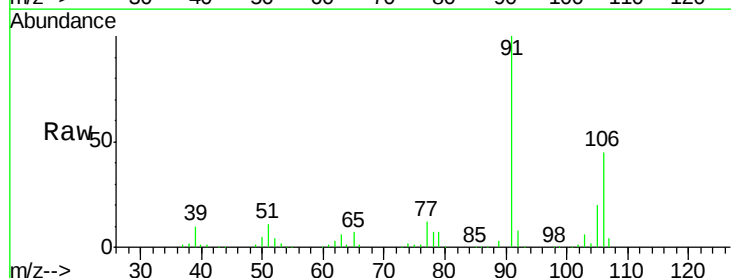
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

Tot Ion: 91 Resp: 459534
Ion Ratio Lower Upper
91 100
106 29.0 24.7 37.1



#68
m/p-Xylenes
Concen: 41.801 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion: 106 Resp: 320699
Ion Ratio Lower Upper
106 100
91 224.1 164.0 246.0

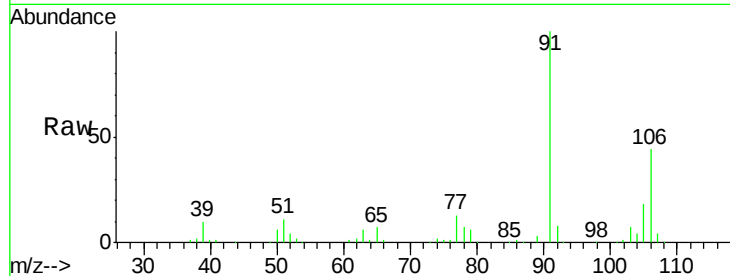




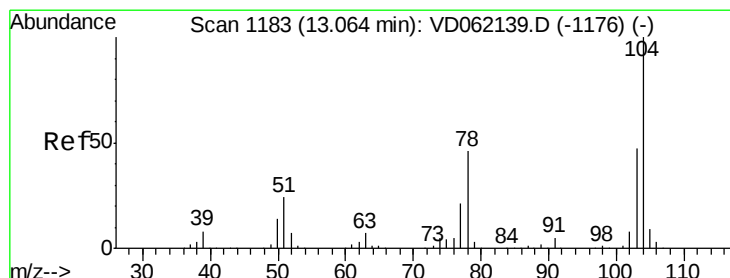
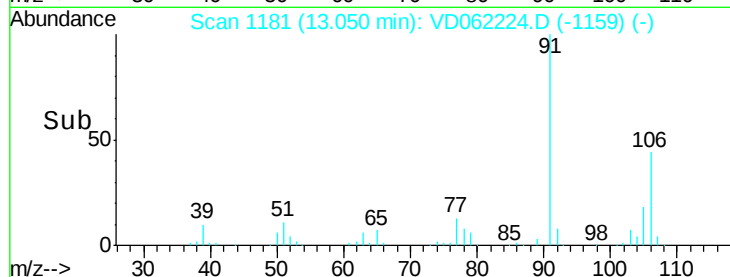
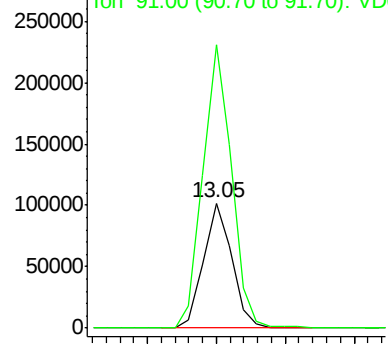
#69
o-Xylene
Concen: 20.434 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

Tot Ion:106 Resp: 145750
Ion Ratio Lower Upper
106 100
91 226.8 106.7 319.9

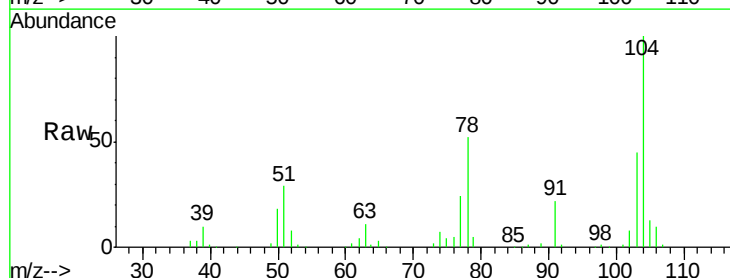


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

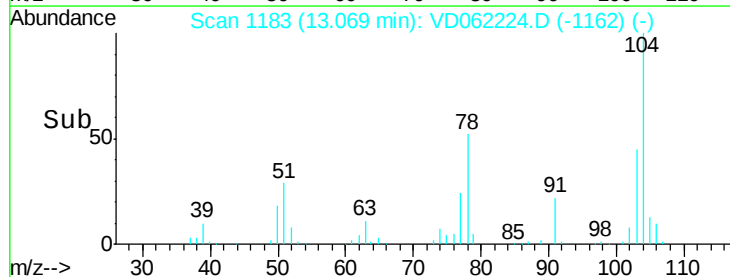
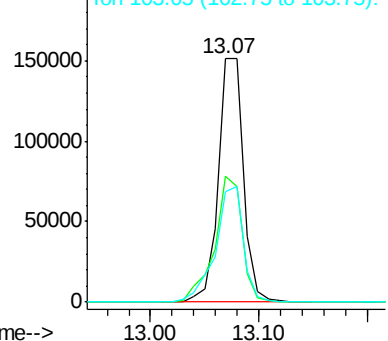


#70
Styrene
Concen: 20.105 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion:104 Resp: 242929
Ion Ratio Lower Upper
104 100
78 51.8 35.4 53.2
103 45.3 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: 21.866 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.02 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBSD02

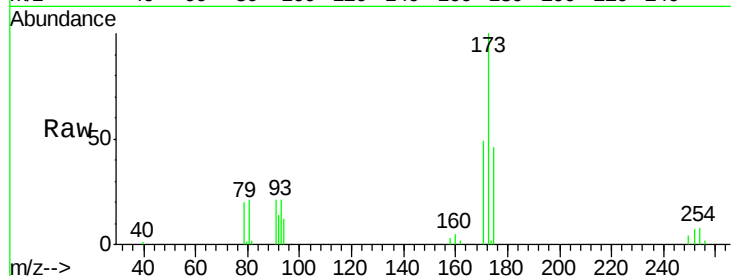
Tot Ion:173 Resp: 83396

Ion Ratio Lower Upper

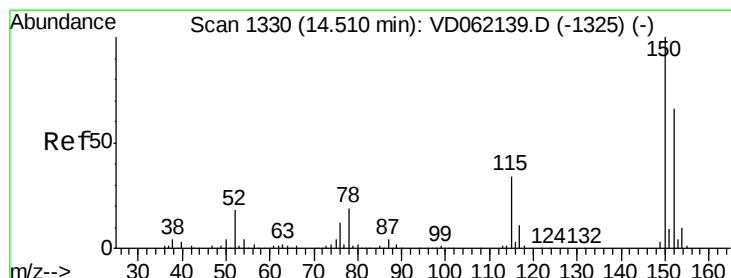
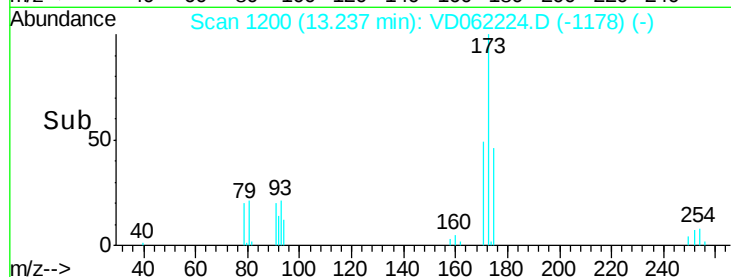
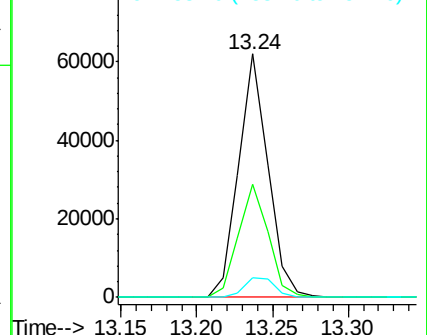
173 100

175 46.2 24.4 73.4

254 8.1 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: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

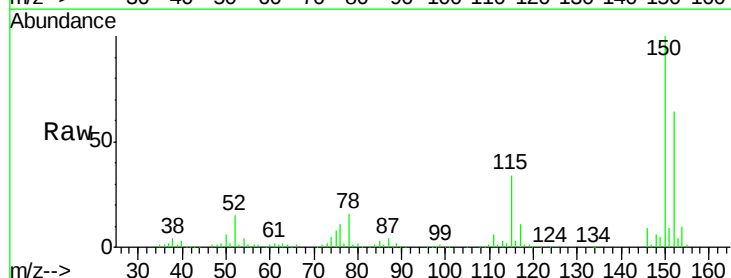
Tgt Ion:152 Resp: 369475

Ion Ratio Lower Upper

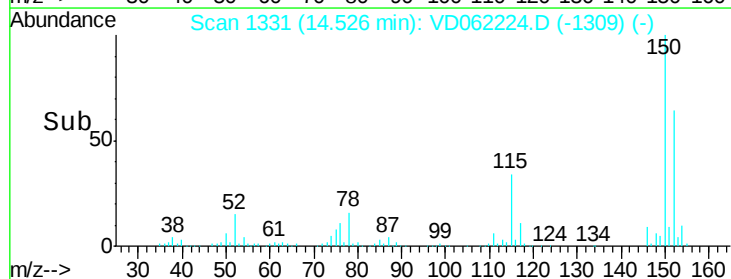
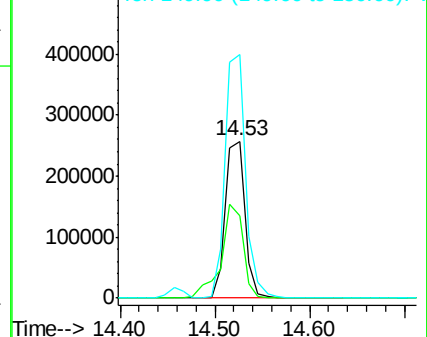
152 100

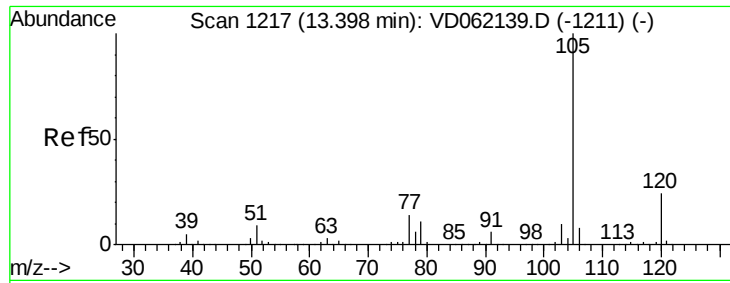
115 52.2 30.9 92.7

150 155.3 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: 20.930 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

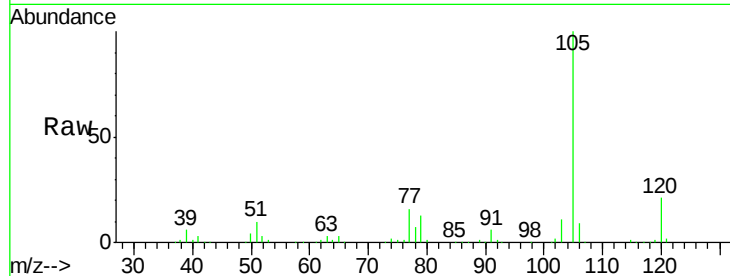
VD0510SBSD02

Tot Ion:105 Resp: 463543

Ion Ratio Lower Upper

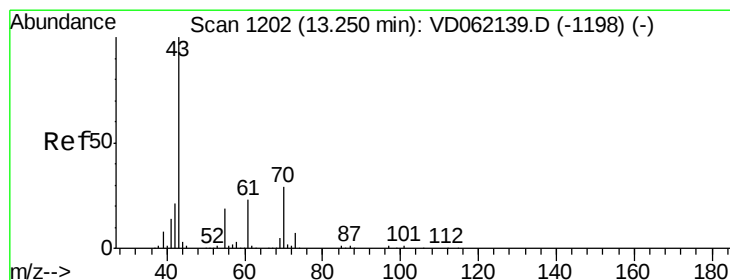
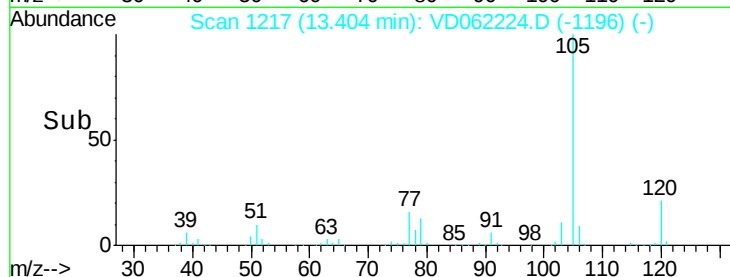
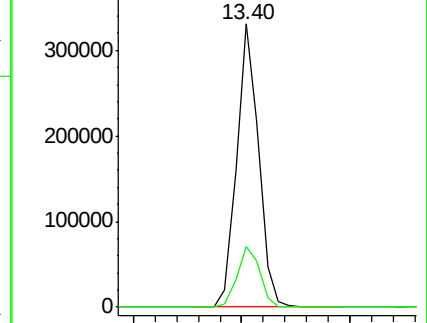
105 100

120 21.4 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.192 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Tgt Ion: 43 Resp: 123055

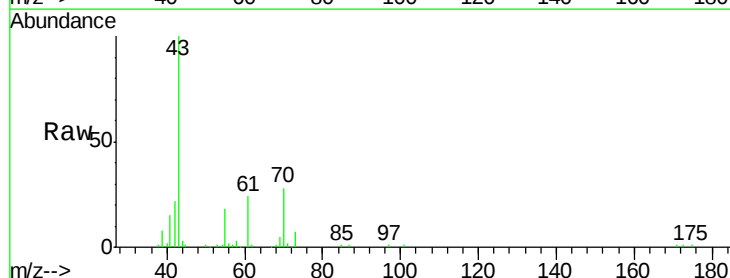
Ion Ratio Lower Upper

43 100

70 28.1 24.2 36.4

55 18.4 16.0 24.0

61 23.8 21.6 32.4

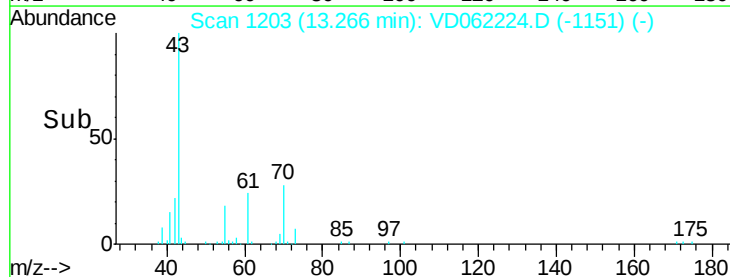
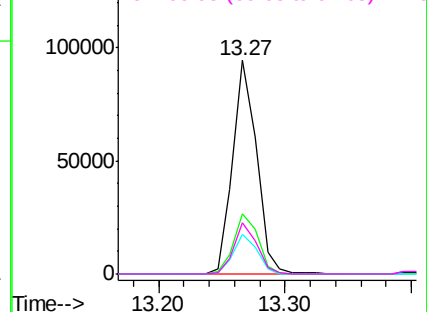


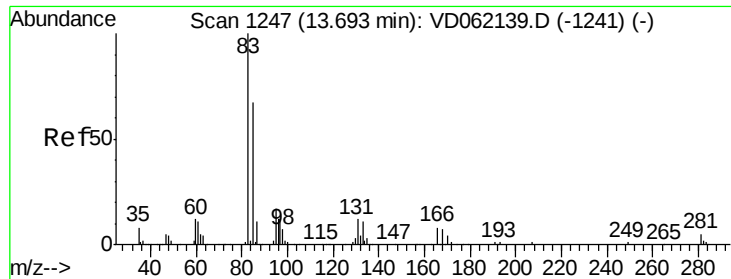
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.560 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

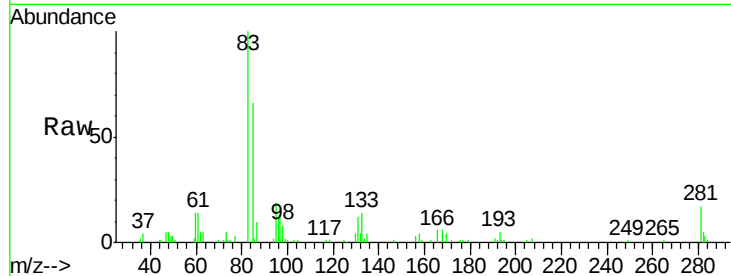
Tot Ion: 83 Resp: 86204

Ion Ratio Lower Upper

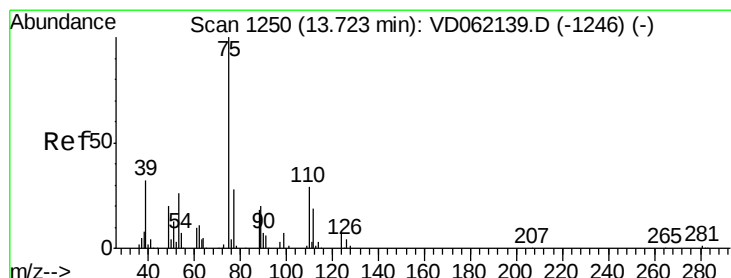
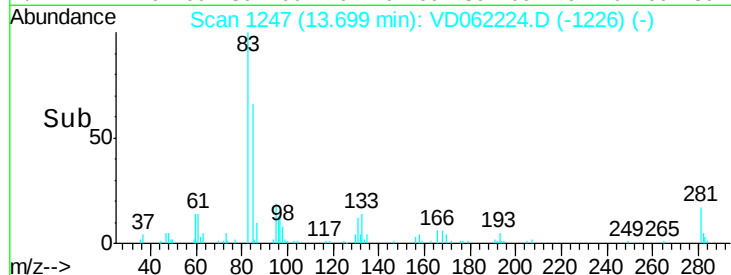
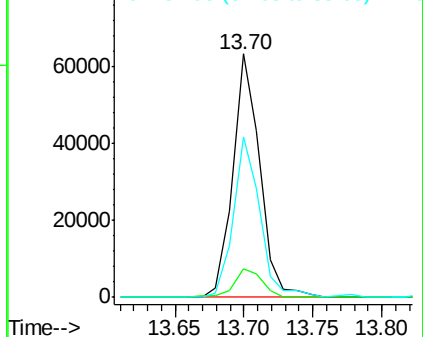
83 100

131 11.9 5.0 14.9

85 67.3 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: 21.513 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.02 min

Lab File: VD062224.D

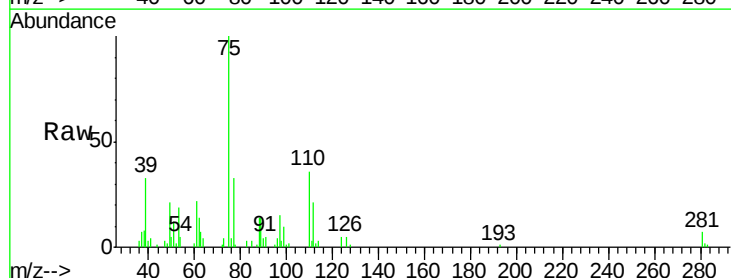
Acq: 10 May 2019 20:01

Tgt Ion: 75 Resp: 94464

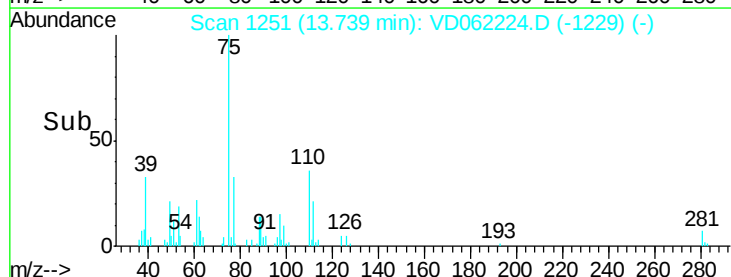
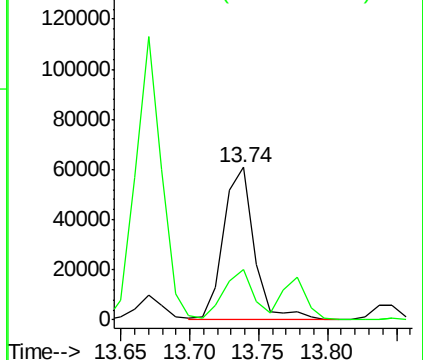
Ion Ratio Lower Upper

75 100

77 33.3 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: 19.756 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBSD02

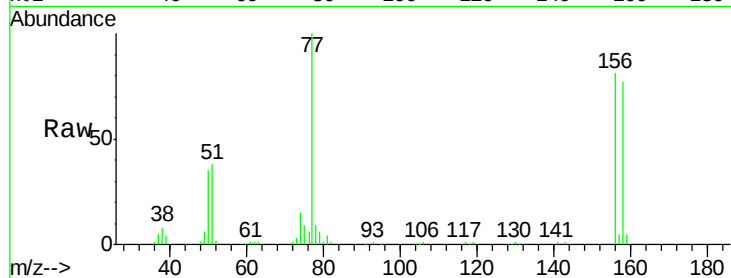
Tot Ion:156 Resp: 122482

Ion Ratio Lower Upper

156 100

77 123.5 53.1 159.4

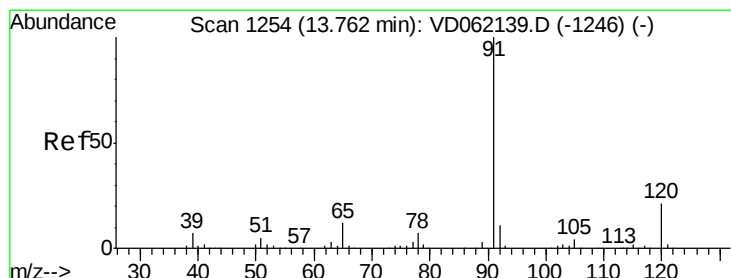
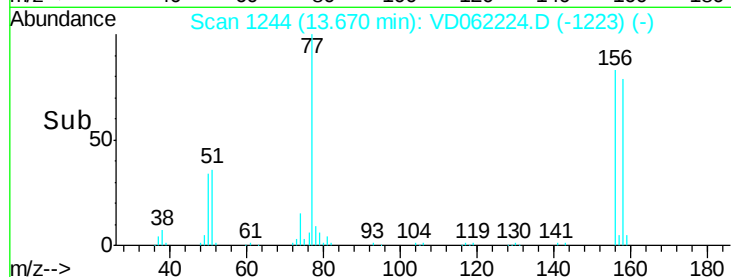
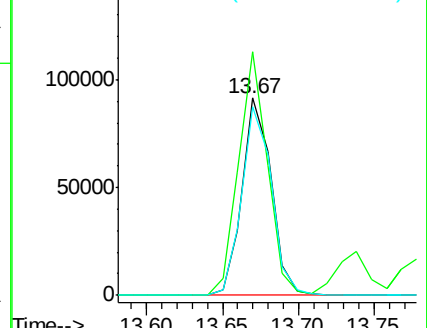
158 95.4 49.4 148.0



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: 20.453 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD062224.D

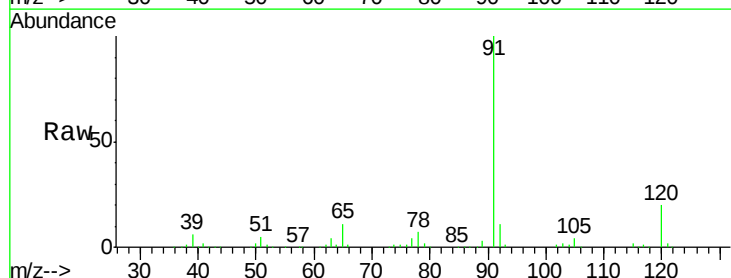
Acq: 10 May 2019 20:01

Tgt Ion: 91 Resp: 540350

Ion Ratio Lower Upper

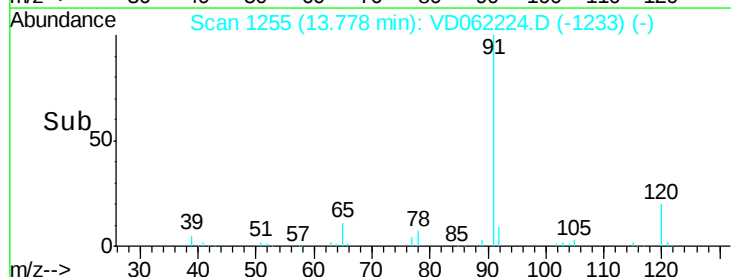
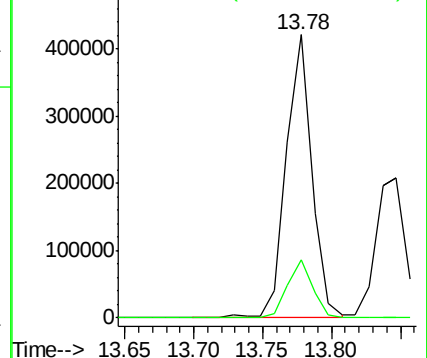
91 100

120 20.4 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: 20.300 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.02 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

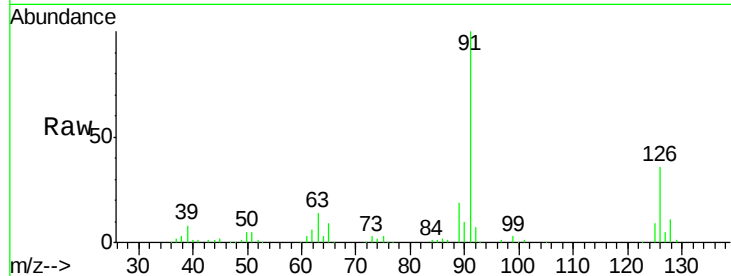
VD0510SBSD02

Tot Ion: 91 Resp: 307164

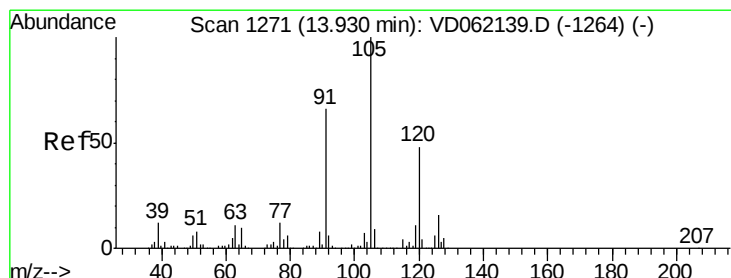
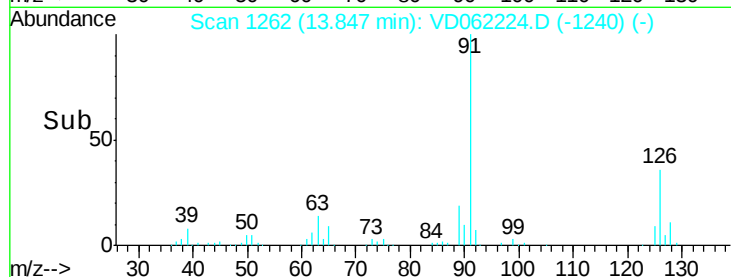
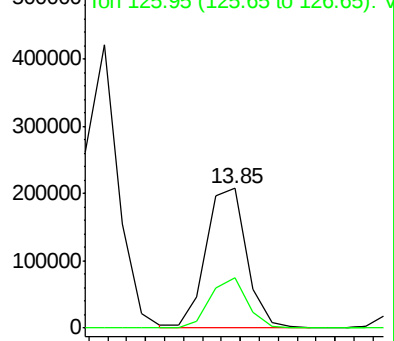
Ion Ratio Lower Upper

91 100

126 36.1 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.750 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD062224.D

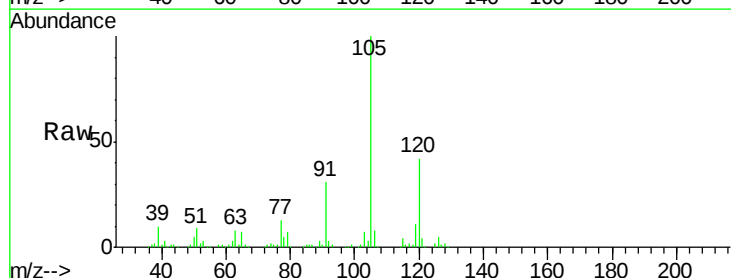
Acq: 10 May 2019 20:01

Tgt Ion:105 Resp: 386984

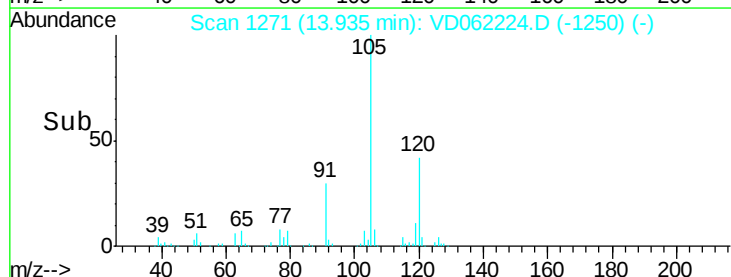
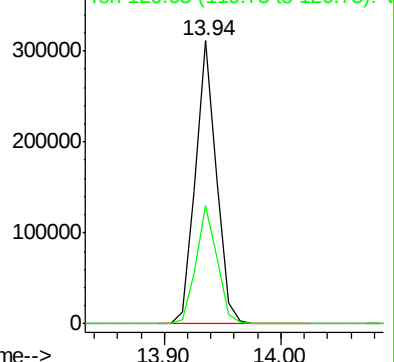
Ion Ratio Lower Upper

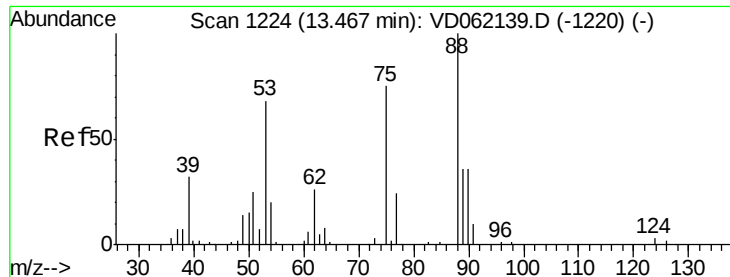
105 100

120 41.6 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.365 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBSD02

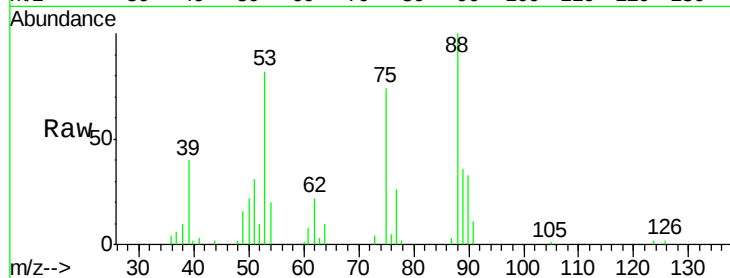
Tot Ion: 75 Resp: 22765

Ion Ratio Lower Upper

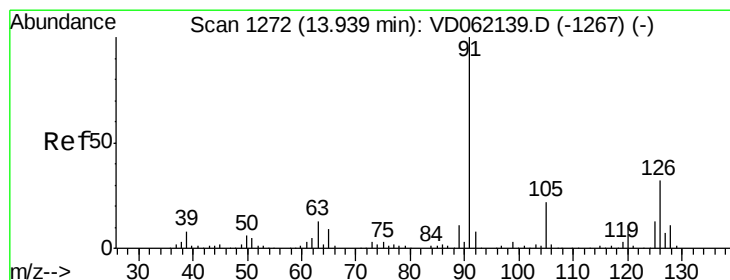
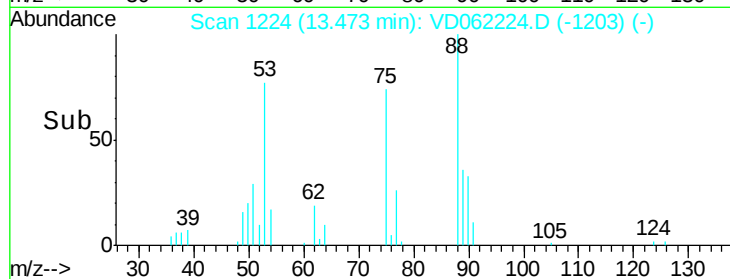
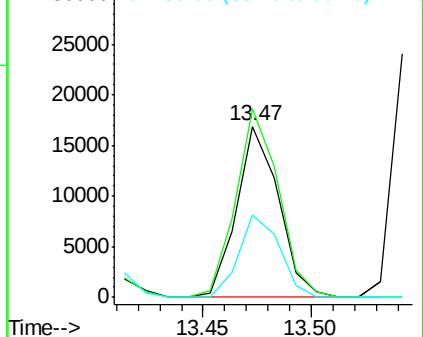
75 100

53 110.2 65.8 98.8#

89 48.0 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: 22.056 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062224.D

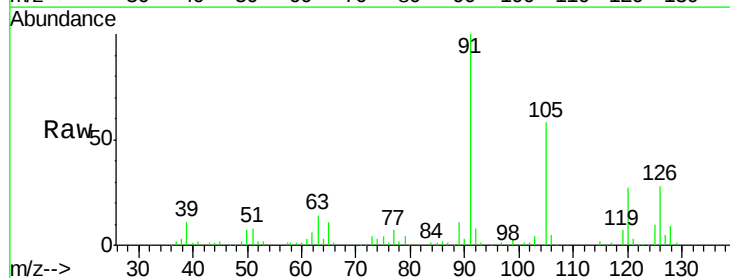
Acq: 10 May 2019 20:01

Tgt Ion: 91 Resp: 392712

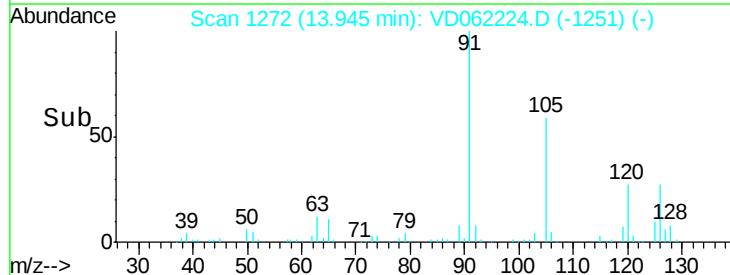
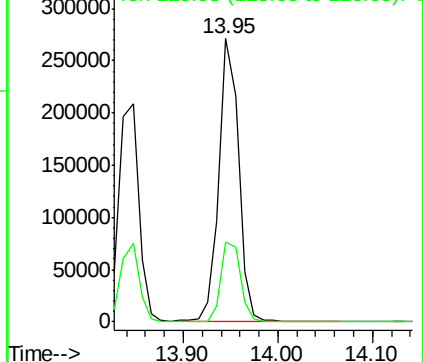
Ion Ratio Lower Upper

91 100

126 28.2 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

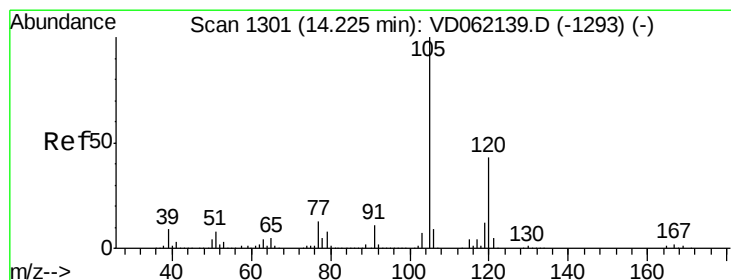
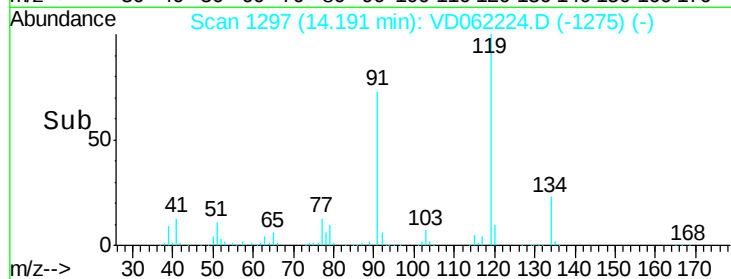
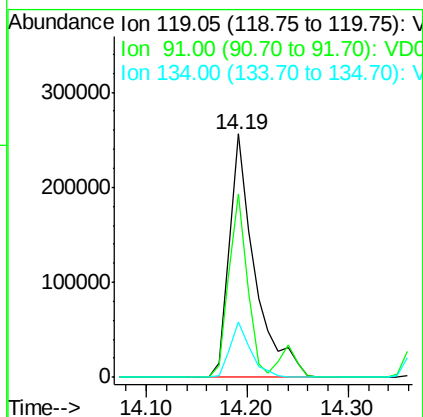
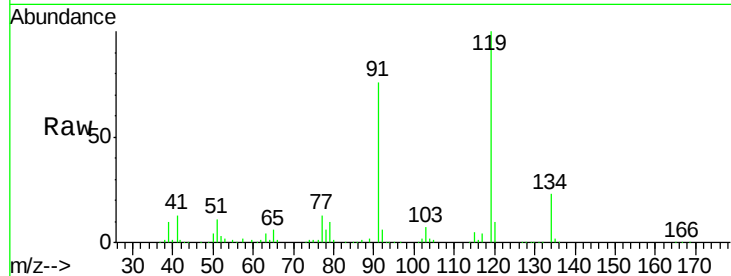




#83
tert-Butylbenzene
Concen: 21.372 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

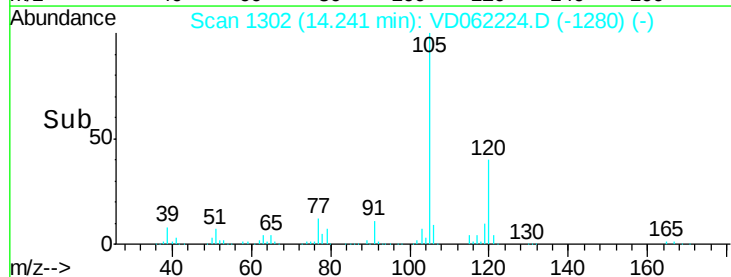
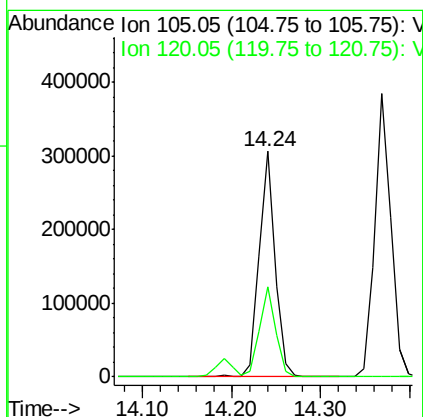
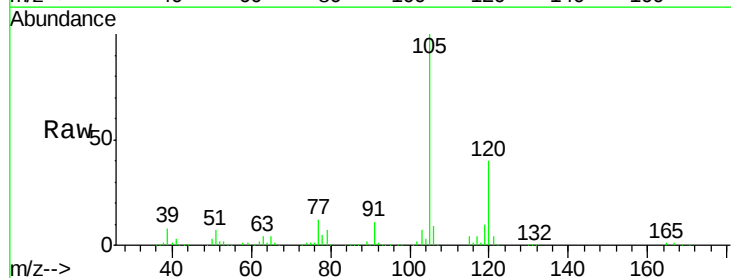
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

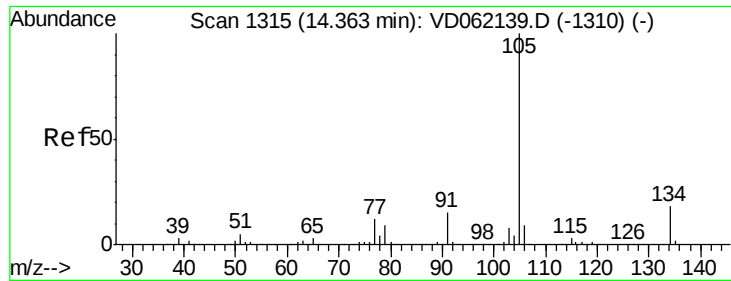
Tot Ion:119 Resp: 448009
Ion Ratio Lower Upper
119 100
91 75.6 34.2 102.6
134 22.7 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 20.096 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion:105 Resp: 376100
Ion Ratio Lower Upper
105 100
120 39.9 23.1 69.2

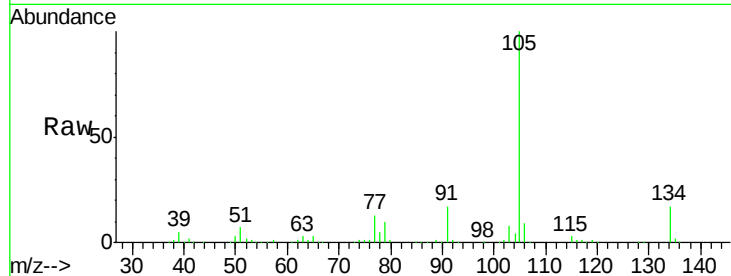




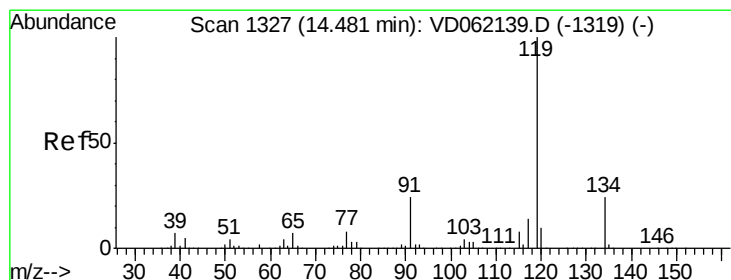
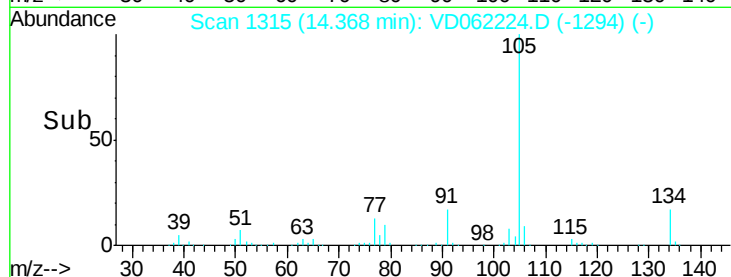
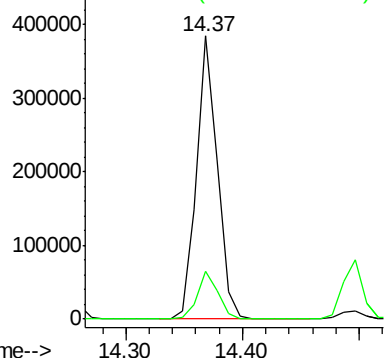
#85
 sec-Butylbenzene
 Concen: 20.738 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD02

Tot Ion:105 Resp: 476631
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.9 26.7

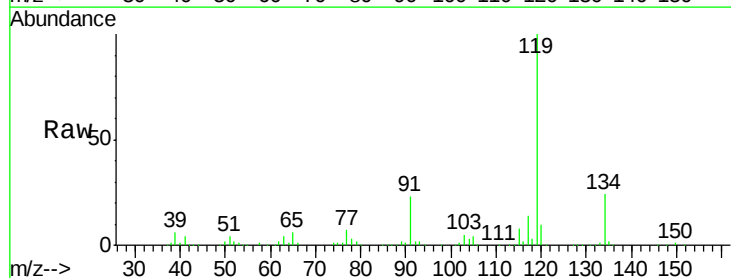


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

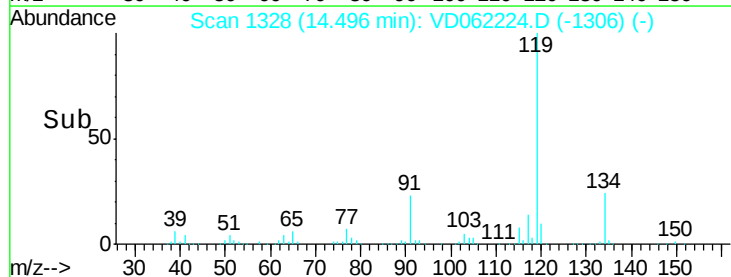
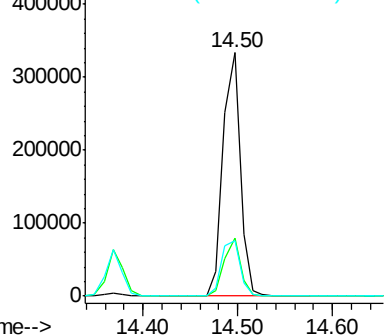


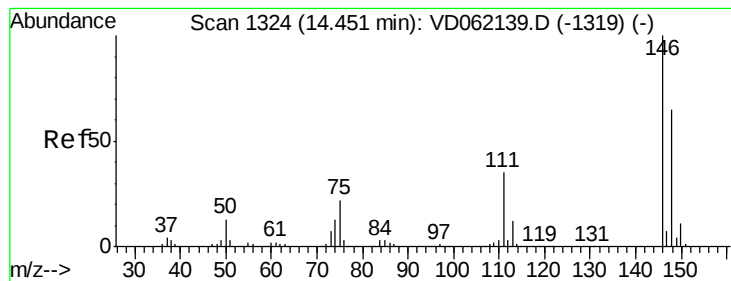
#86
 p-Isopropyltoluene
 Concen: 20.650 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.02 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Tgt Ion:119 Resp: 424030
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.8 38.3
 91 22.8 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.973 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBSD02

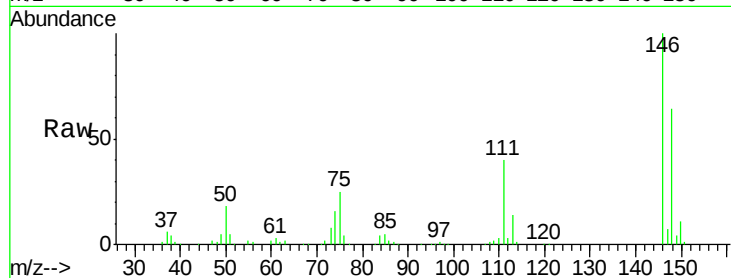
Tot Ion:146 Resp: 214882

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

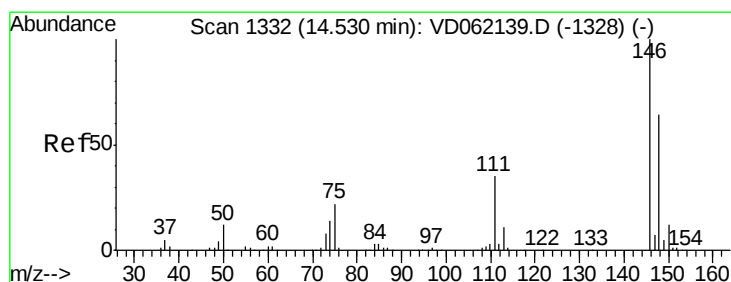
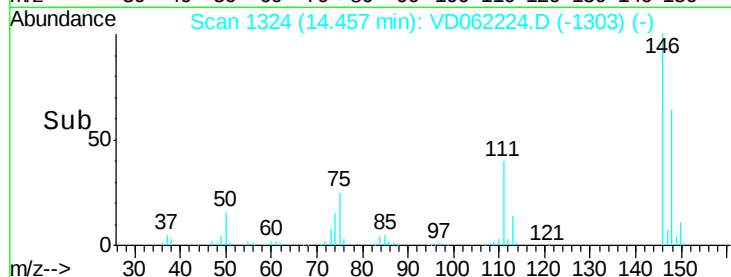
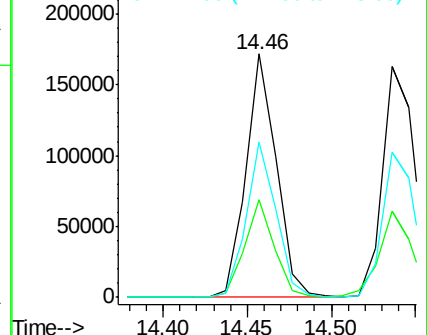
148 63.9 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 19.599 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD062224.D

Acq: 10 May 2019 20:01

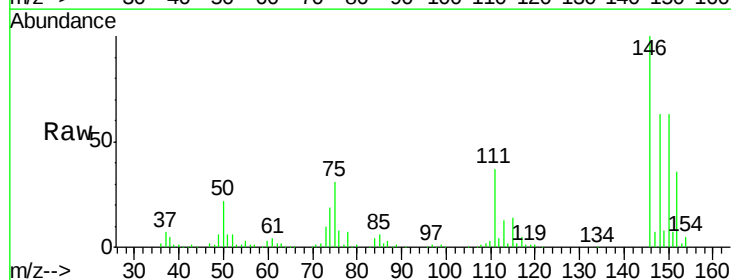
Tgt Ion:146 Resp: 218108

Ion Ratio Lower Upper

146 100

111 37.2 20.2 60.5

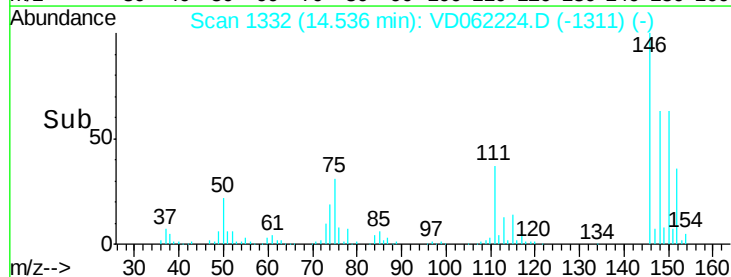
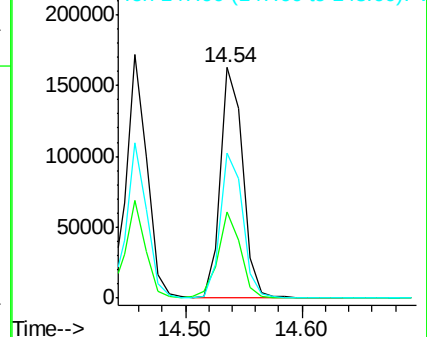
148 62.8 32.0 96.2



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

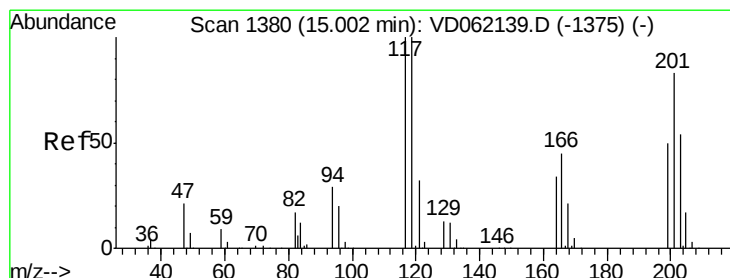
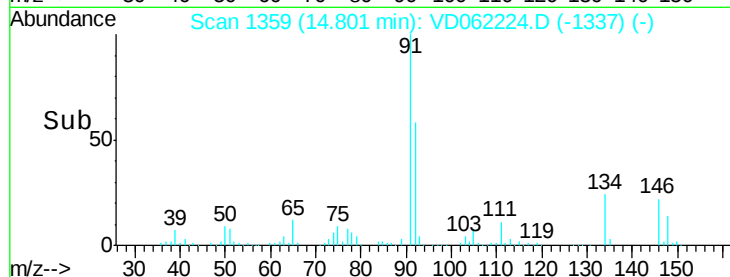
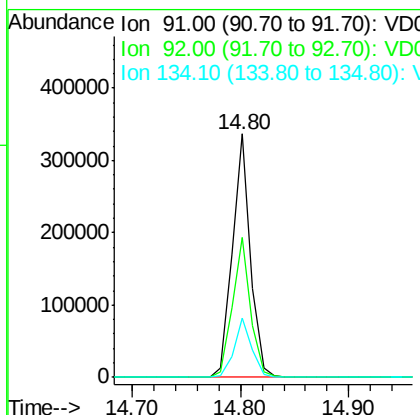
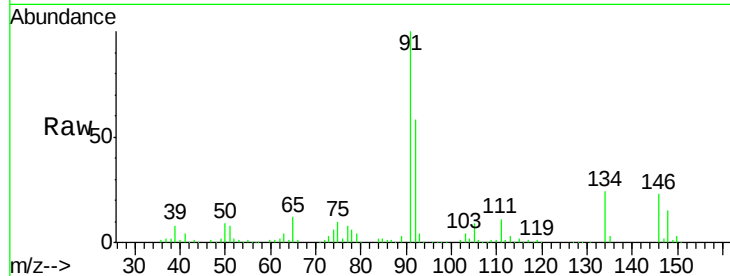




#89
n-Butylbenzene
Concen: 21.227 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

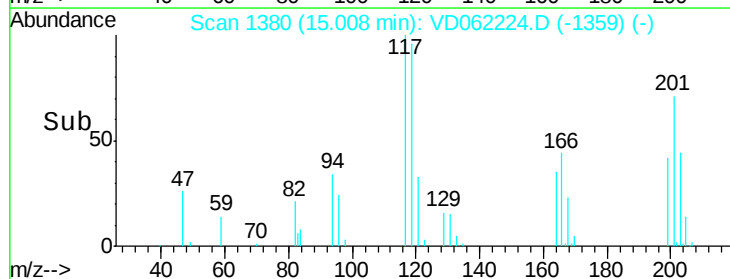
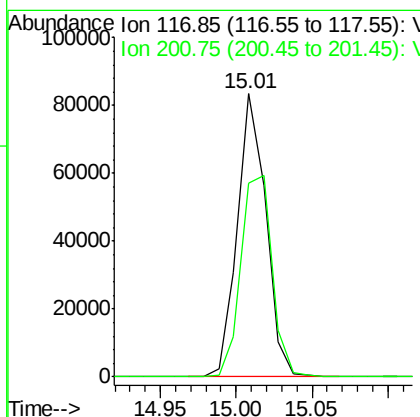
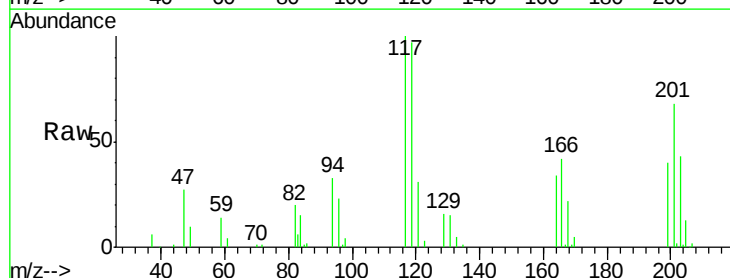
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

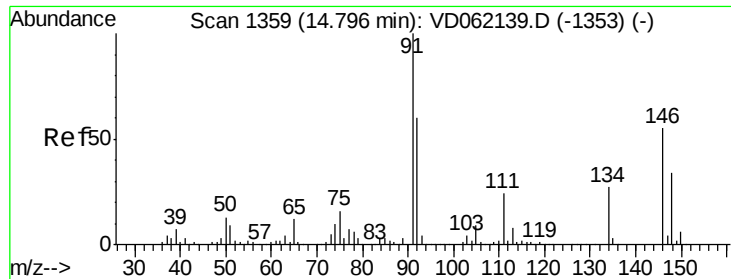
Tot Ion: 91 Resp: 391229
Ion Ratio Lower Upper
91 100
92 57.6 30.3 91.0
134 24.2 14.5 43.6



#90
Hexachloroethane
Concen: 19.521 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion: 117 Resp: 109010
Ion Ratio Lower Upper
117 100
201 68.2 30.2 90.6

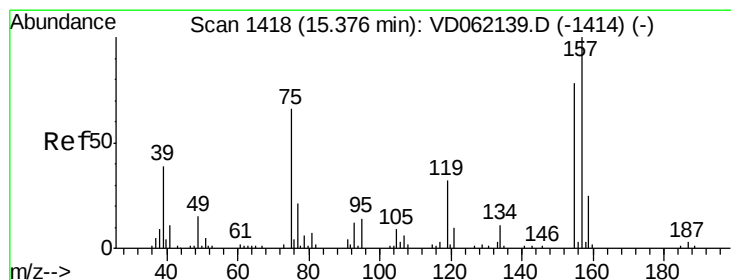
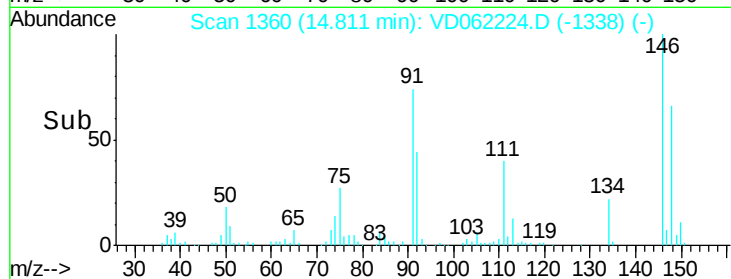
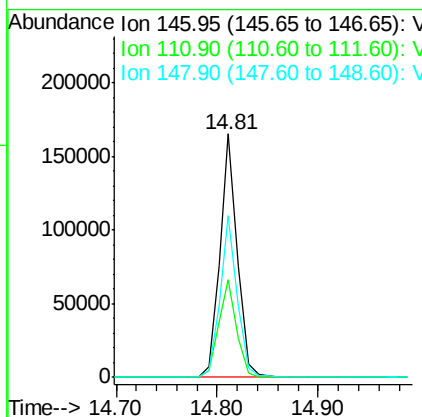
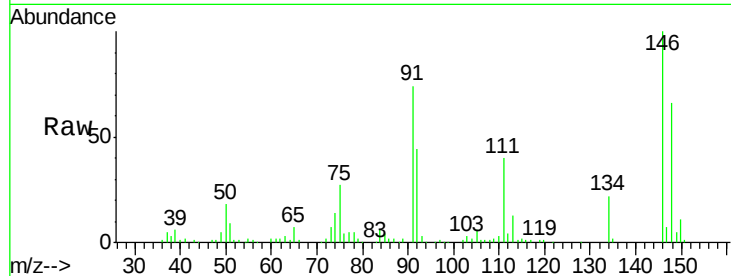




#91
 1,2-Dichlorobenzene
 Concen: 21.442 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

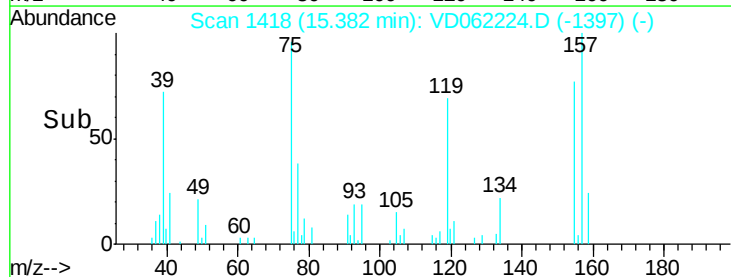
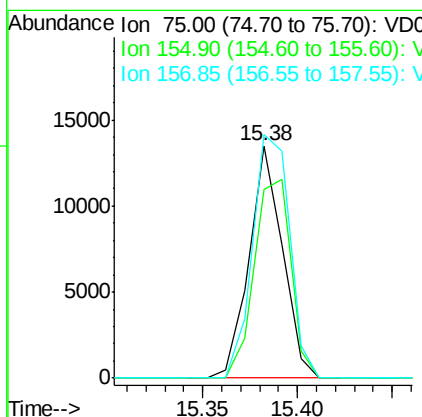
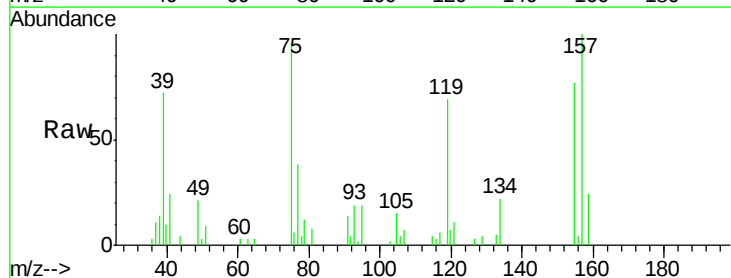
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD02

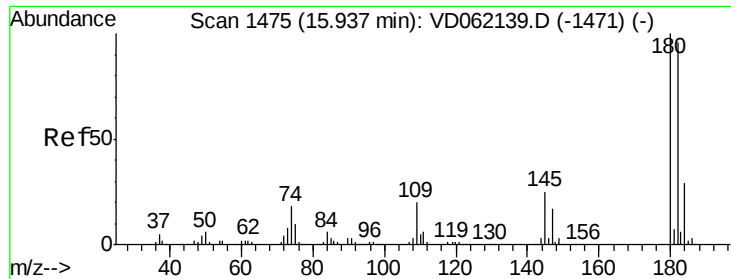
Tot Ion:146 Resp: 199995
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 59.9
 148 66.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.987 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Tgt Ion: 75 Resp: 16509
 Ion Ratio Lower Upper
 75 100
 155 80.9 55.3 165.8
 157 104.7 67.8 203.2

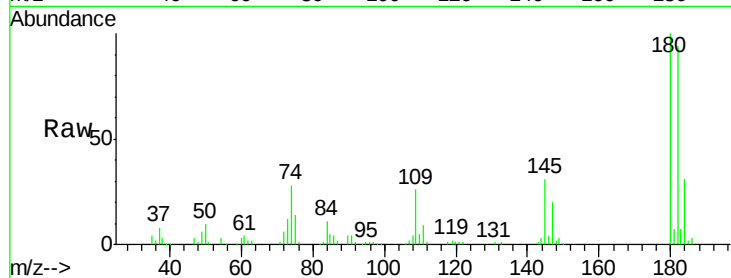




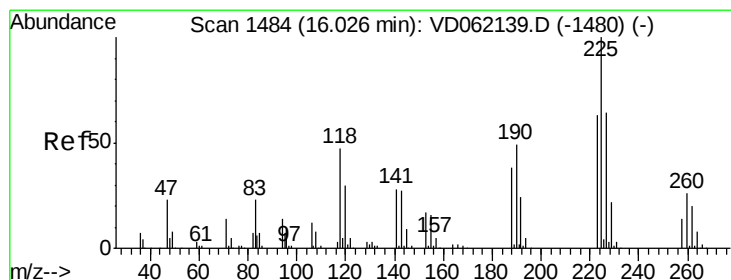
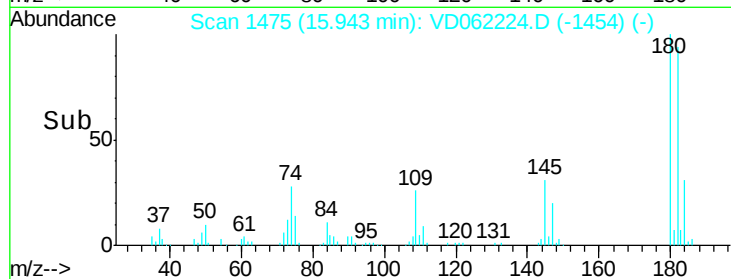
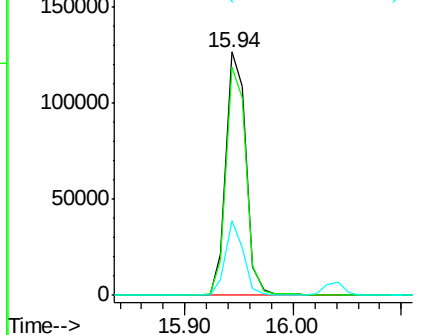
#93
 1,2,4-Trichlorobenzene
 Concen: 24.228 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD02

Tot Ion:180 Resp: 164483
 Ion Ratio Lower Upper
 180 100
 182 93.8 49.3 147.8
 145 30.8 16.2 48.6

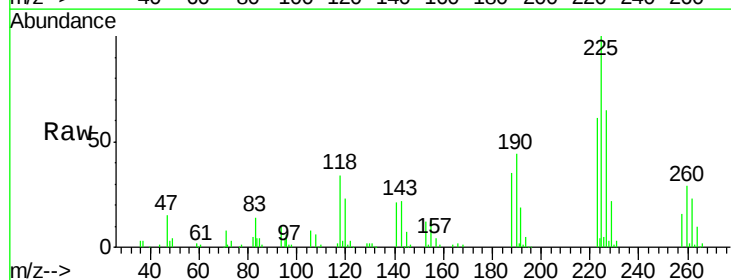


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

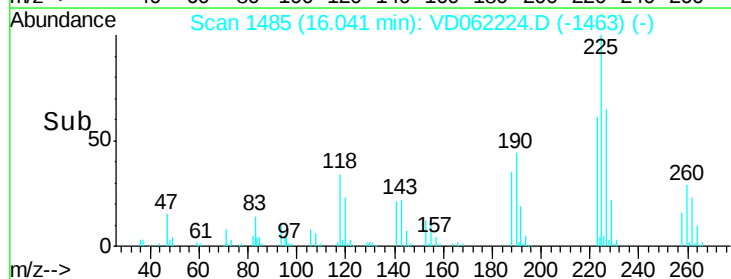
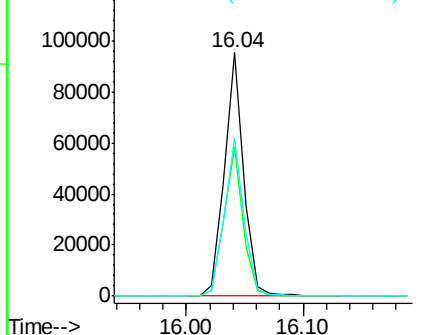


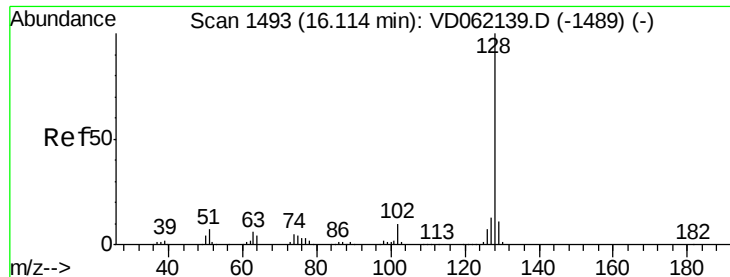
#94
 Hexachlorobutadiene
 Concen: 21.603 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.02 min
 Lab File: VD062224.D
 Acq: 10 May 2019 20:01

Tgt Ion:225 Resp: 109083
 Ion Ratio Lower Upper
 225 100
 223 61.2 30.6 92.0
 227 64.7 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

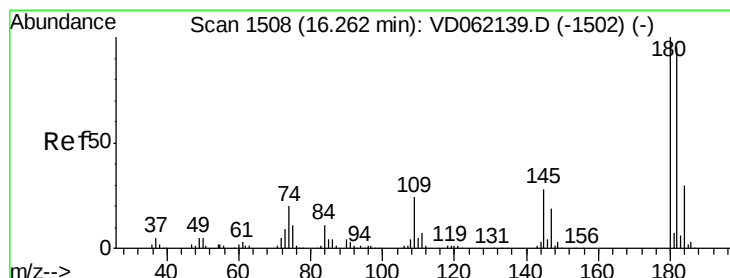
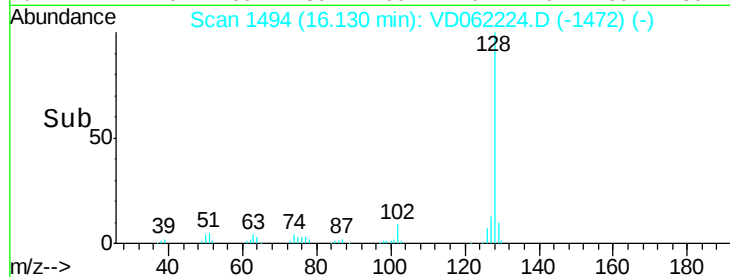
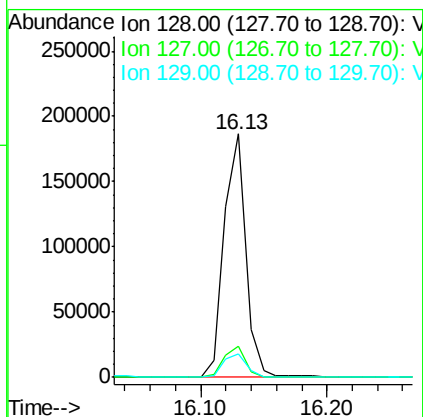
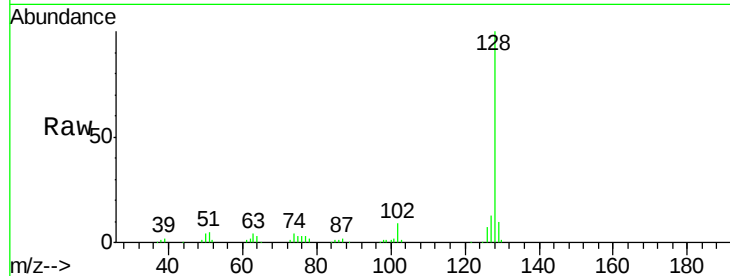




#95
Naphthalene
Concen: 23.593 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.8	14.8
129	9.8	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 27.172 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.02 min
Lab File: VD062224.D
Acq: 10 May 2019 20:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.0	141.0
145	27.4	17.0	51.0

