

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062412.D
 Acq On : 16 May 2019 12:45
 Operator : FY/SY
 Sample : VD0516SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Quant Time: May 17 02:27:21 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	7.05	168	638663	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	876670	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	725177	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	400286	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	318779	53.71	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.42%	
35) Dibromofluoromethane	6.92	113	372219	51.17	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	10.42	98	796933	45.44	ug/l	0.02
Spiked Amount	50.000		Recovery	=	90.88%	
62) 4-Bromofluorobenzene	13.56	95	365643	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	110719	18.126	ug/l	94
3) Chloromethane	1.75	50	78823	17.859	ug/l	99
4) Vinyl Chloride	1.84	62	80765	18.619	ug/l	95
5) Bromomethane	2.14	94	28574	28.113	ug/l	99
6) Chloroethane	2.25	64	38980	21.416	ug/l	95
7) Trichlorofluoromethane	2.52	101	195211	23.148	ug/l	99
8) Diethyl Ether	2.87	74	23116	14.213	ug/l	53
9) 1,1,2-Trichlorotrifluoroet	3.14	101	128670	20.170	ug/l	97
10) Methyl Iodide	3.30	142	119384	12.382	ug/l #	86
11) Tert butyl alcohol	4.08	59	34199	112.883	ug/l #	95
12) 1,1-Dichloroethene	3.11	96	86901	17.845	ug/l	90
13) Acrolein	3.03	56	23187	73.997	ug/l	94
14) Allyl chloride	3.62	41	141093	19.927	ug/l #	76
15) Acrylonitrile	4.19	53	79331	99.623	ug/l #	89
16) Acetone	3.22	43	156910	126.066	ug/l #	86
17) Carbon Disulfide	3.37	76	214593	15.319	ug/l	98
18) Methyl Acetate	3.64	43	44597	19.851	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	225993	21.651	ug/l	92
20) Methylene Chloride	3.81	84	104981	20.200	ug/l	90
21) trans-1,2-Dichloroethene	4.21	96	98855	18.243	ug/l	95
22) Diisopropyl ether	5.12	45	300238	19.926	ug/l	93
23) Vinyl Acetate	5.05	43	872716	109.781	ug/l #	94
24) 1,1-Dichloroethane	4.98	63	186665	20.536	ug/l	99
25) 2-Butanone	6.07	43	164759	121.357	ug/l	97
26) 2,2-Dichloropropane	6.02	77	209493	23.138	ug/l	91
27) cis-1,2-Dichloroethene	6.04	96	120022	19.788	ug/l	92
28) Bromochloromethane	6.44	49	84744	23.697	ug/l	92
29) Tetrahydrofuran	6.46	42	67176	107.388	ug/l	93
30) Chloroform	6.67	83	244795	22.347	ug/l	99
31) Cyclohexane	6.95	56	107276	17.227	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	242362	23.408	ug/l	98
36) 1,1-Dichloropropene	7.15	75	161962	22.533	ug/l	96
37) Ethyl Acetate	6.18	43	77003	25.261	ug/l	95
38) Carbon Tetrachloride	7.11	117	232942	23.414	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062412.D
 Acq On : 16 May 2019 12:45
 Operator : FY/SY
 Sample : VD0516SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Quant Time: May 17 02:27:21 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	8.86	83	125766	18.262	ug/l	91
40) Benzene	7.45	78	298942	18.418	ug/l	99
41) Methacrylonitrile	6.46	41	90576	24.315	ug/l #	83
42) 1,2-Dichloroethane	7.58	62	159007	23.122	ug/l	92
43) Isopropyl Acetate	9.25	43	91139	21.082	ug/l	94
44) Trichloroethene	8.55	130	122265	19.768	ug/l	88
45) 1,2-Dichloropropane	8.94	63	78326	19.510	ug/l	94
46) Dibromomethane	9.07	93	73114	22.395	ug/l #	87
47) Bromodichloromethane	9.37	83	185998	23.291	ug/l	94
48) Methyl methacrylate	9.13	41	62005	23.285	ug/l #	83
49) 1,4-Dioxane	9.08	88	12440	432.980	ug/l #	79
51) 4-Methyl-2-Pentanone	10.31	43	329485	118.565	ug/l	93
52) Toluene	10.51	92	221215	20.947	ug/l	93
53) t-1,3-Dichloropropene	10.92	75	165449	23.972	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	163968	21.777	ug/l #	89
55) 1,1,2-Trichloroethane	11.19	97	83078	22.234	ug/l	95
56) Ethyl methacrylate	11.05	69	80083	20.625	ug/l #	90
57) 1,3-Dichloropropane	11.41	76	114614	20.303	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	249065	117.431	ug/l	97
59) 2-Hexanone	11.54	43	248651	121.400	ug/l	93
60) Dibromochloromethane	11.69	129	144490	22.375	ug/l	100
61) 1,2-Dibromoethane	11.80	107	89742	19.755	ug/l	99
64) Tetrachloroethene	11.26	164	111972	19.746	ug/l	94
65) Chlorobenzene	12.40	112	282803	20.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	123468	21.004	ug/l	95
67) Ethyl Benzene	12.52	91	472848	20.911	ug/l	95
68) m/p-Xylenes	12.67	106	336793	40.938	ug/l	83
69) o-Xylene	13.05	106	170771	22.328	ug/l	81
70) Styrene	13.07	104	288620	22.276	ug/l	95
71) Bromoform	13.24	173	84728	20.717	ug/l	98
73) Isopropylbenzene	13.41	105	531601	22.155	ug/l	97
74) N-amyl acetate	13.27	43	128444	20.418	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	93925	20.677	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	105863	22.254	ug/l	93
77) Bromobenzene	13.67	156	140845	20.969	ug/l	94
78) n-propylbenzene	13.78	91	619383	21.640	ug/l	100
79) 2-Chlorotoluene	13.84	91	337392	20.582	ug/l	87
80) 1,3,5-Trimethylbenzene	13.94	105	415218	20.550	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	24988	18.607	ug/l #	72
82) 4-Chlorotoluene	13.95	91	417565	21.647	ug/l	87
83) tert-Butylbenzene	14.19	119	479994	21.135	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	421959	20.811	ug/l	84
85) sec-Butylbenzene	14.37	105	494920	19.876	ug/l	99
86) p-Isopropyltoluene	14.49	119	471192	21.180	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	253048	20.623	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	257037	21.320	ug/l	96
89) n-Butylbenzene	14.81	91	447718	22.422	ug/l	96
90) Hexachloroethane	15.01	117	133032	21.989	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	234633	23.219	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15524	20.819	ug/l	92

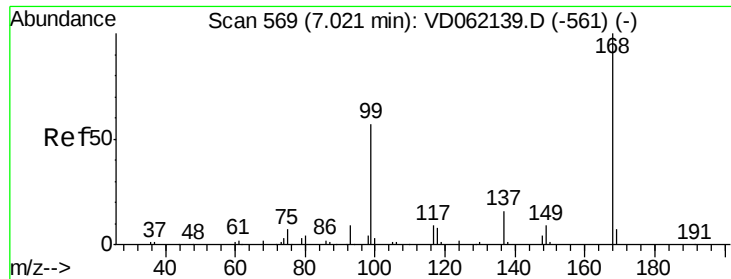
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051619\
Data File : VD062412.D
Acq On : 16 May 2019 12:45
Operator : FY/SY
Sample : VD0516SBS01
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

Quant Time: May 17 02:27:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	174424	23.714	ug/l	96
94) Hexachlorobutadiene	16.05	225	129092	23.597	ug/l	98
95) Naphthalene	16.12	128	219206	21.347	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	134506	29.085	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

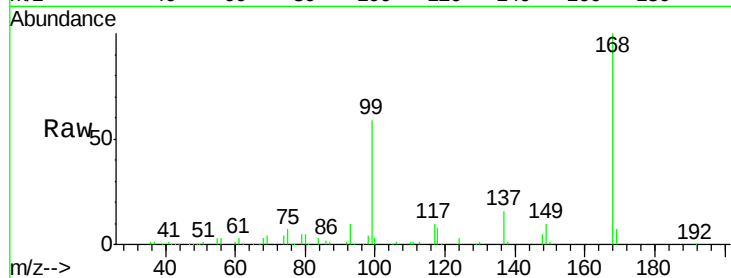
VD0516SBS01

Tot Ion:168 Resp: 638663

Ion Ratio Lower Upper

168 100

99 59.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

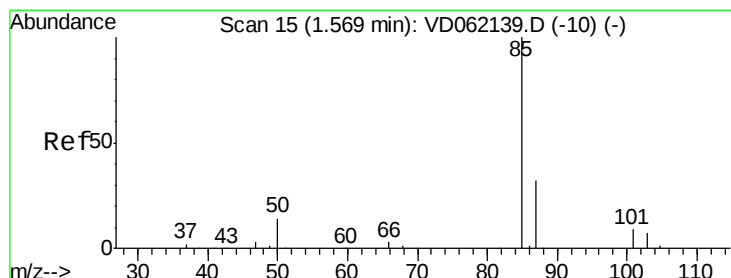
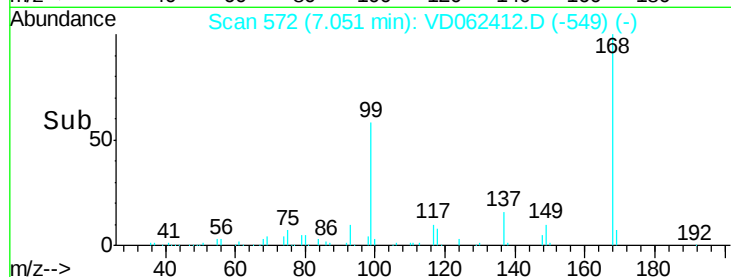
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 18.126 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062412.D

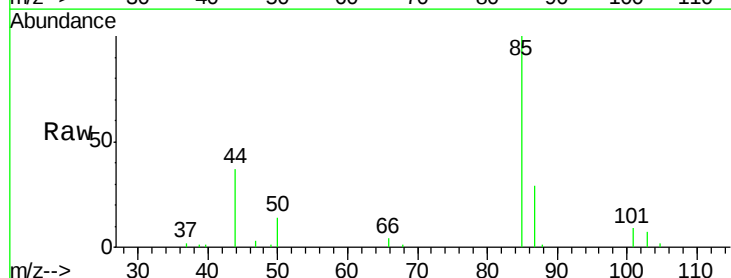
Acq: 16 May 2019 12:45

Tgt Ion: 85 Resp: 110719

Ion Ratio Lower Upper

85 100

87 29.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

60000

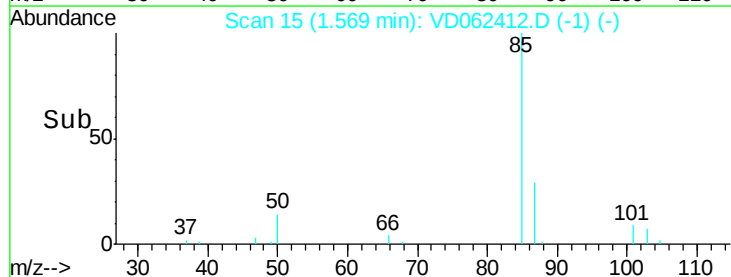
40000

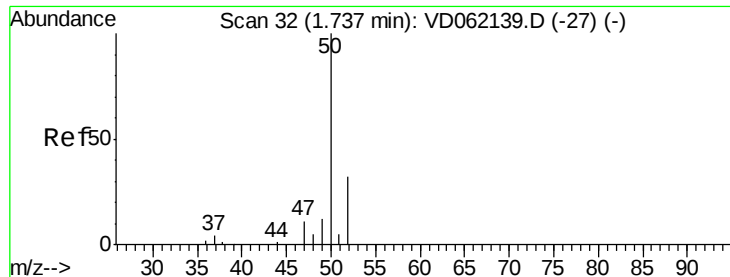
20000

0

Time-->

1.50 1.60 1.70





#3

Chloromethane

Concen: 17.859 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

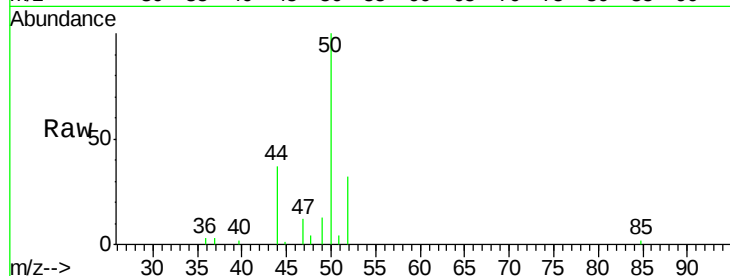
VD0516SBS01

Tot Ion: 50 Resp: 78823

Ion Ratio Lower Upper

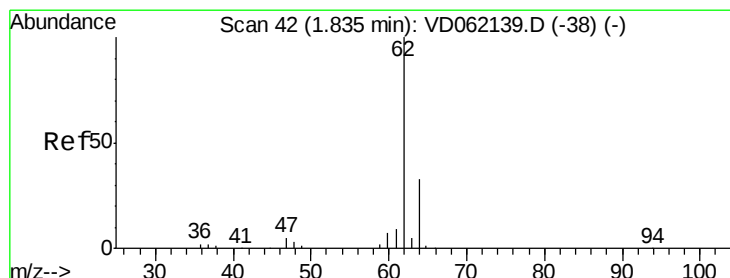
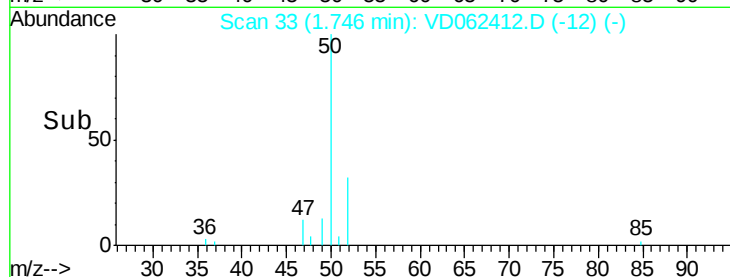
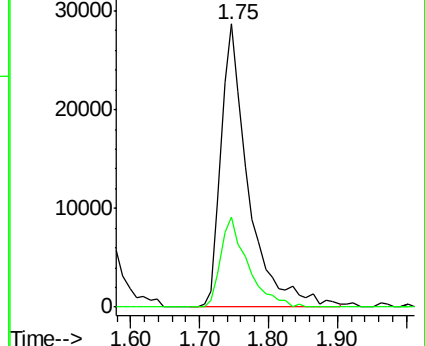
50 100

52 31.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.619 ug/l

RT: 1.84 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062412.D

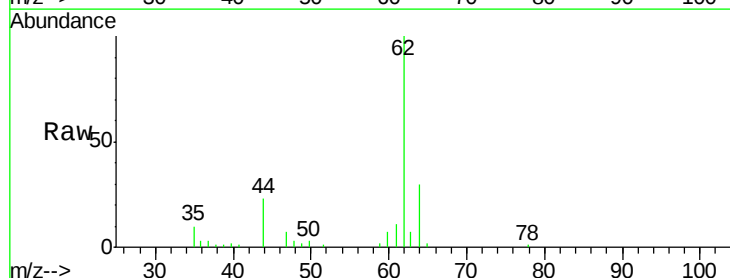
Acq: 16 May 2019 12:45

Tgt Ion: 62 Resp: 80765

Ion Ratio Lower Upper

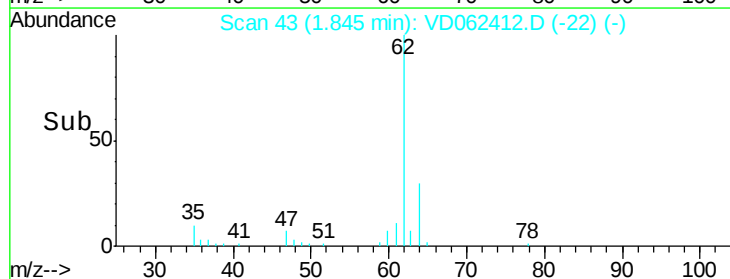
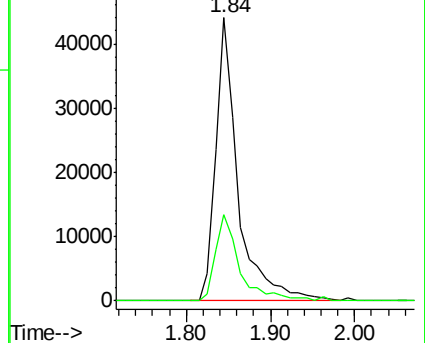
62 100

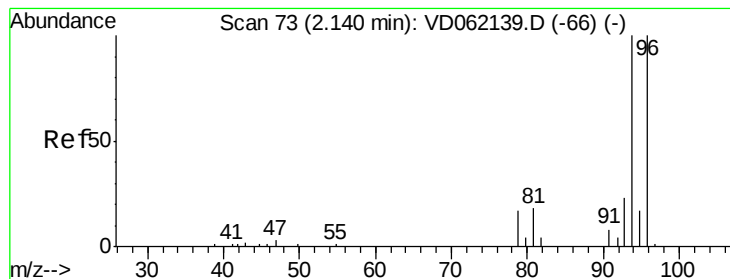
64 30.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 28.113 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBS01

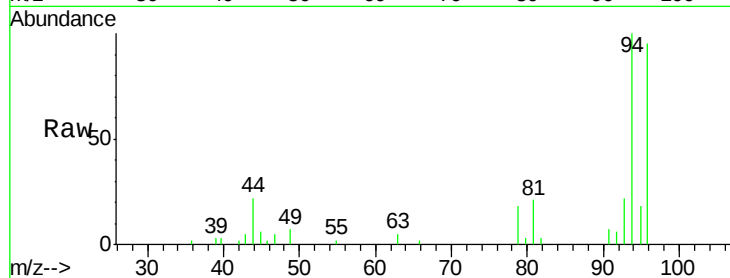
Tot Ion: 94 Resp: 28574

Ion Ratio Lower Upper

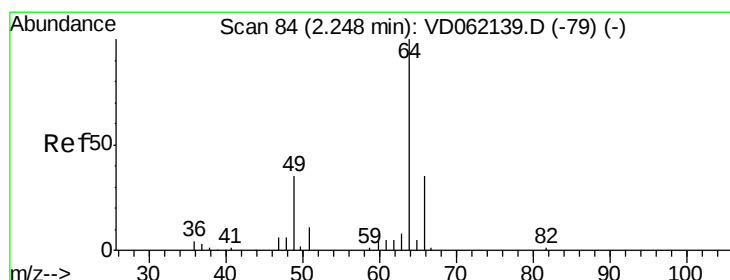
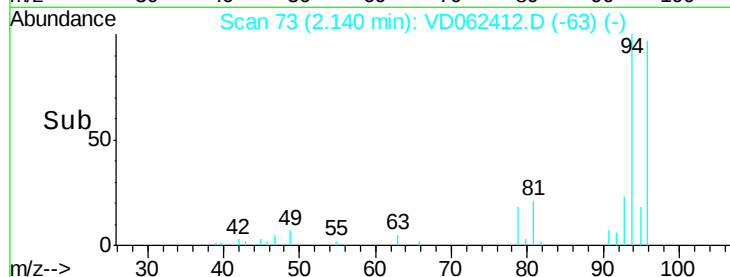
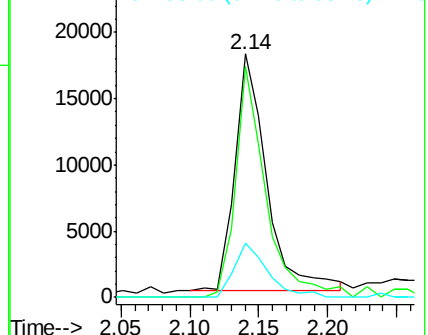
94 100

96 94.8 76.6 115.0

93 22.2 18.5 27.7



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



#6

Chloroethane

Concen: 21.416 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD062412.D

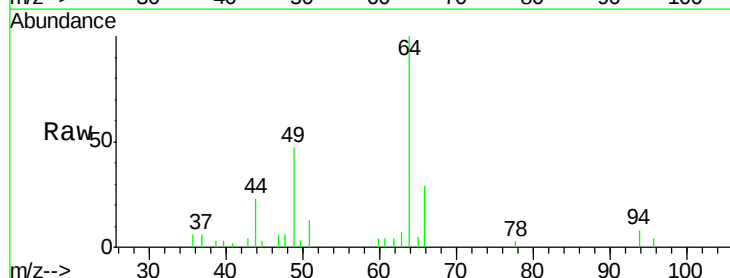
Acq: 16 May 2019 12:45

Tgt Ion: 64 Resp: 38980

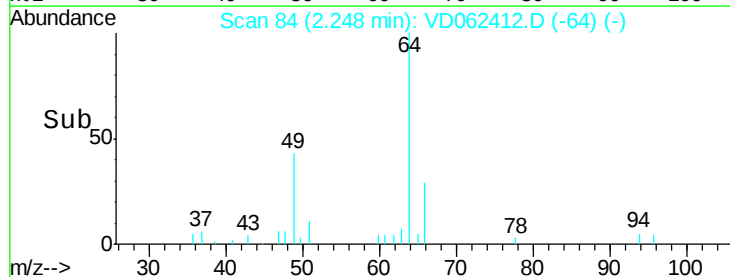
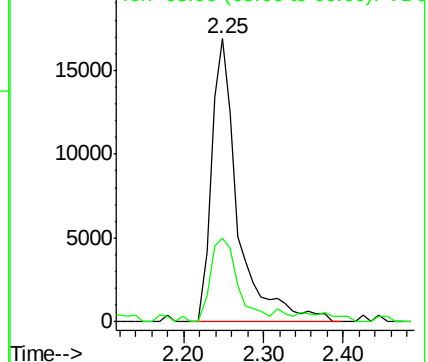
Ion Ratio Lower Upper

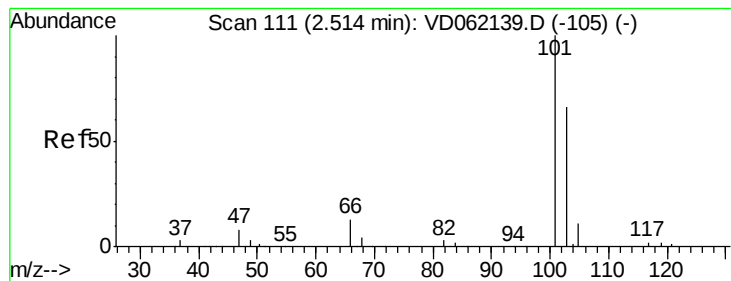
64 100

66 29.4 25.6 38.4



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



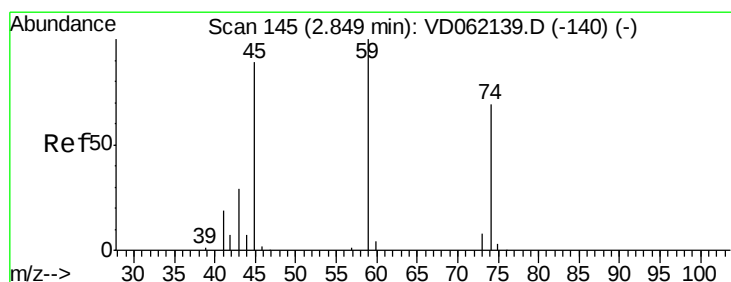
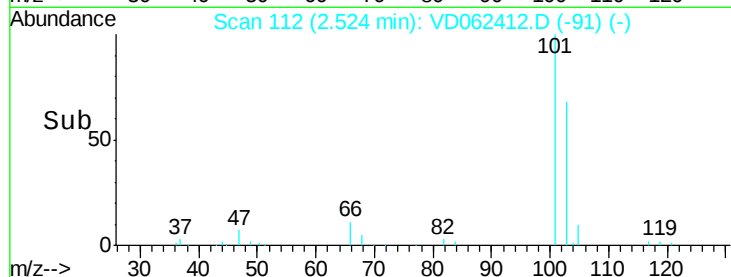
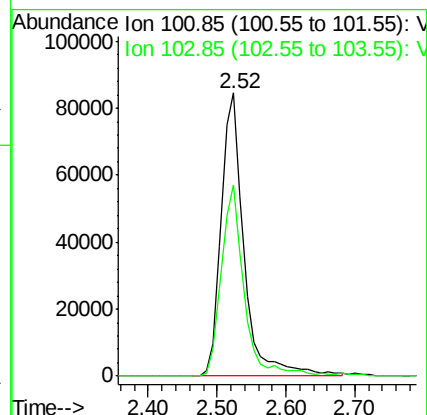
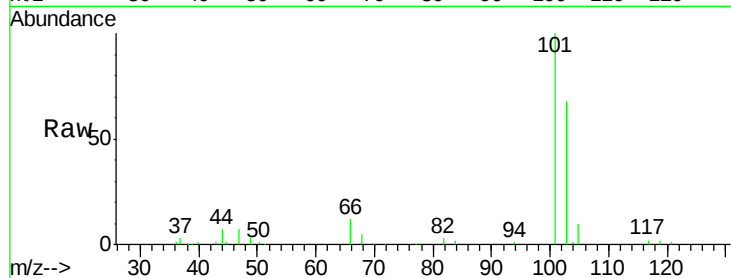


#7

Trichlorofluoromethane
 Concen: 23.148 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

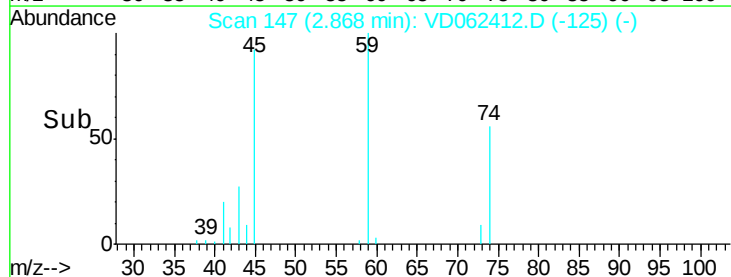
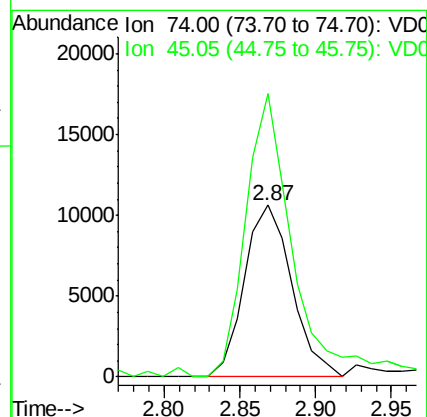
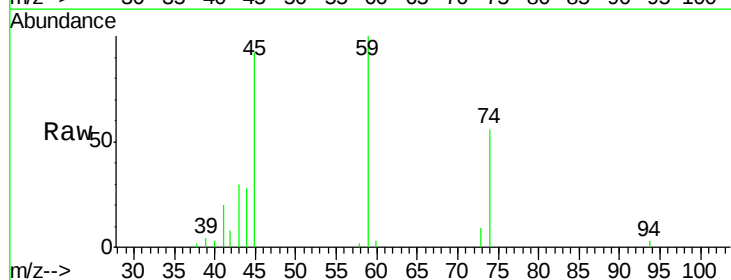
Tot Ion:101 Resp: 195211
 Ion Ratio Lower Upper
 101 100
 103 67.8 53.6 80.4

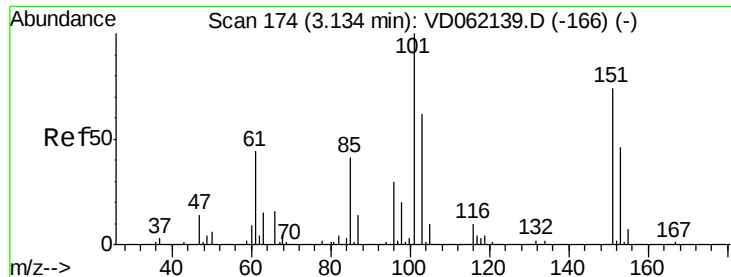


#8

Diethyl Ether
 Concen: 14.213 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.02 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Tgt Ion: 74 Resp: 23116
 Ion Ratio Lower Upper
 74 100
 45 164.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.170 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBS01

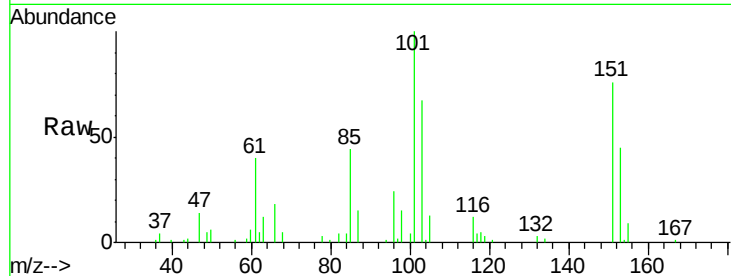
Tot Ion:101 Resp: 128670

Ion Ratio Lower Upper

101 100

85 44.2 32.4 48.6

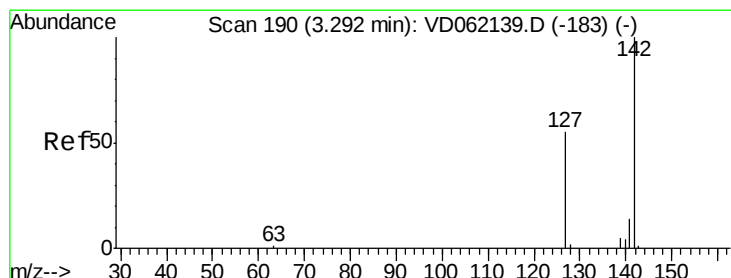
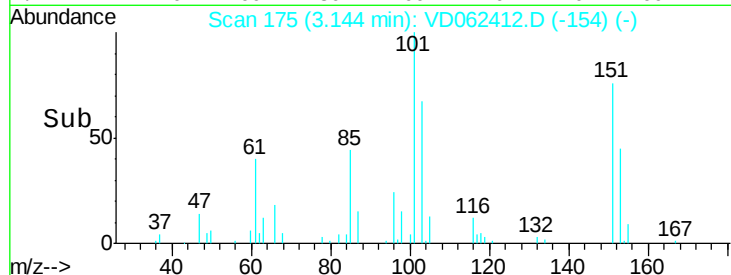
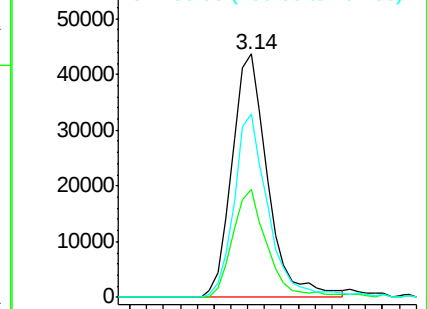
151 75.5 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 12.382 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

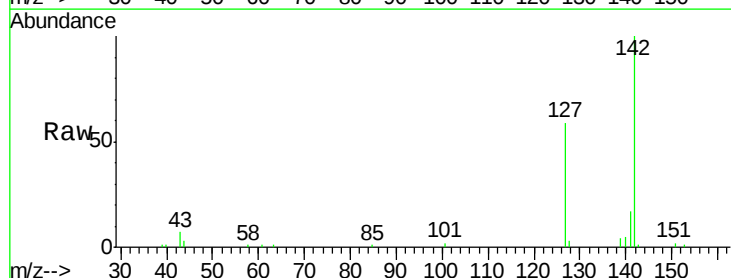
Tgt Ion:142 Resp: 119384

Ion Ratio Lower Upper

142 100

127 59.4 38.8 58.2#

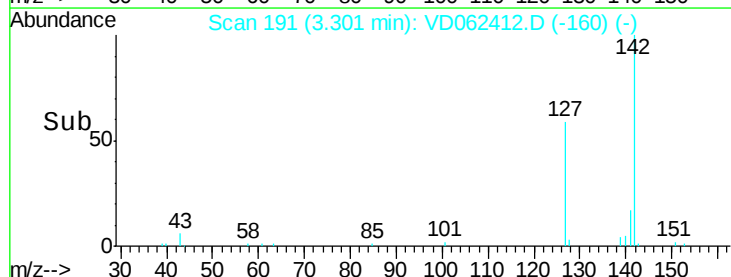
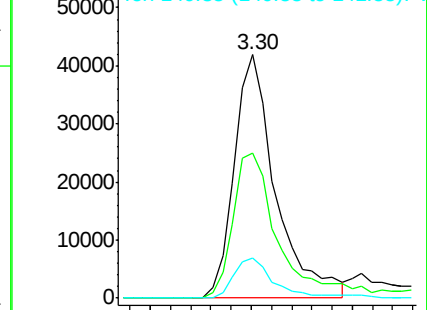
141 16.5 11.4 17.0

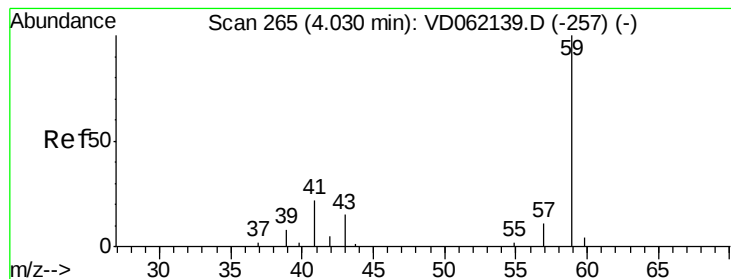


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



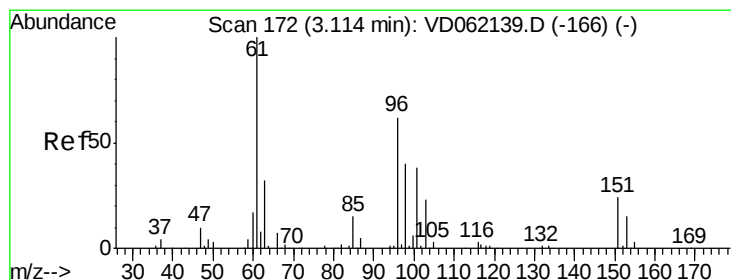
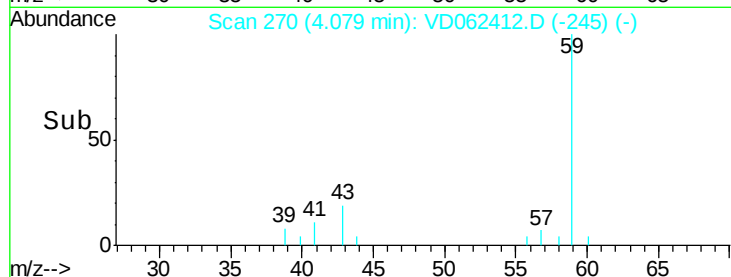
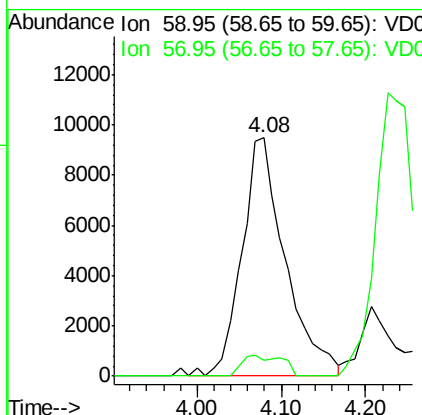
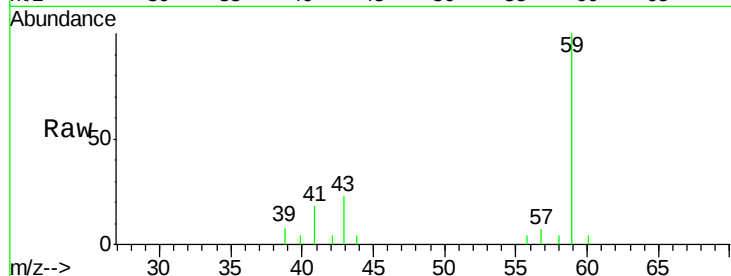


#11

Tert butyl alcohol
 Concen: 112.883 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.05 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

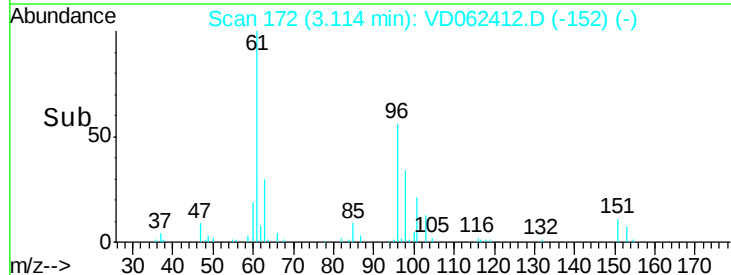
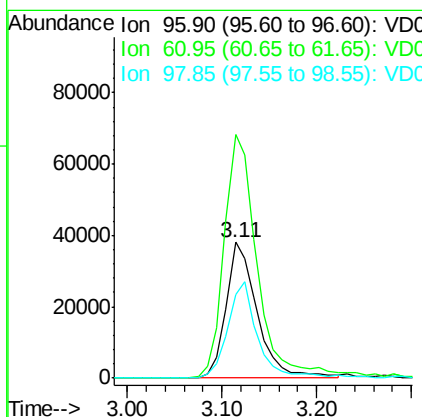
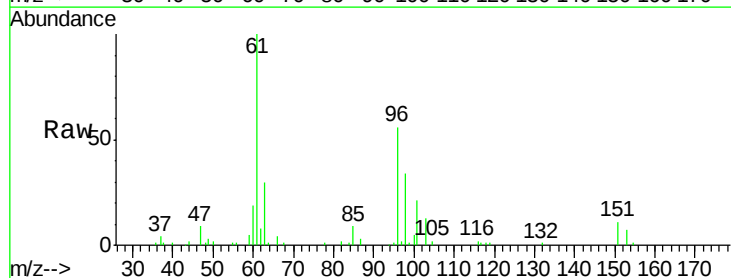
Tot Ion: 59 Resp: 34199
 Ion Ratio Lower Upper
 59 100
 57 6.9 6.9 10.3#

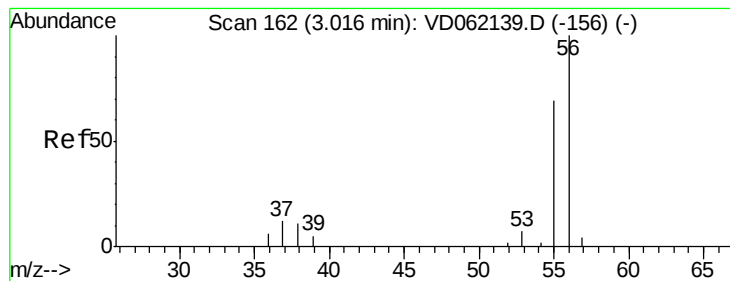


#12

1,1-Dichloroethene
 Concen: 17.845 ug/l
 RT: 3.11 min Scan# 172
 Delta R.T. -0.00 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Tgt Ion: 96 Resp: 86901
 Ion Ratio Lower Upper
 96 100
 61 179.2 129.8 194.8
 98 61.6 51.2 76.8





#13

Acrolein

Concen: 73.997 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

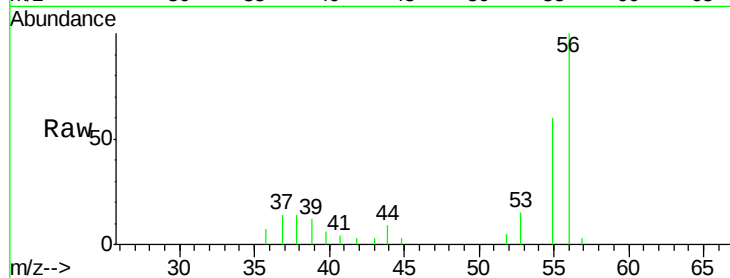
VD0516SBS01

Tot Ion: 56 Resp: 23187

Ion Ratio Lower Upper

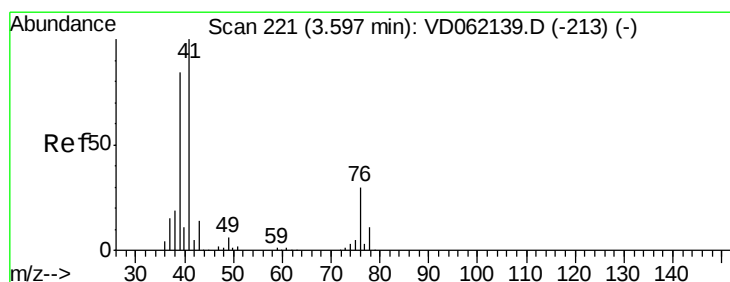
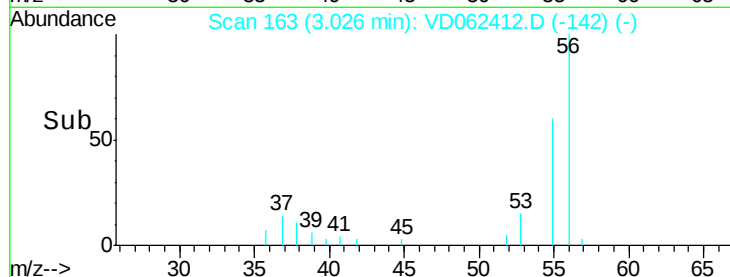
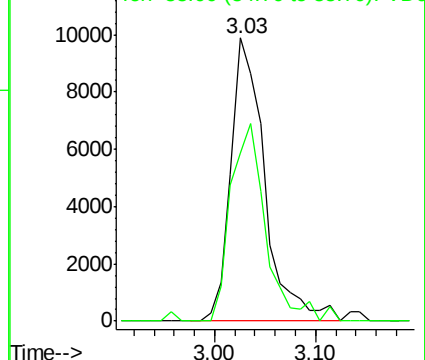
56 100

55 59.5 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.927 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

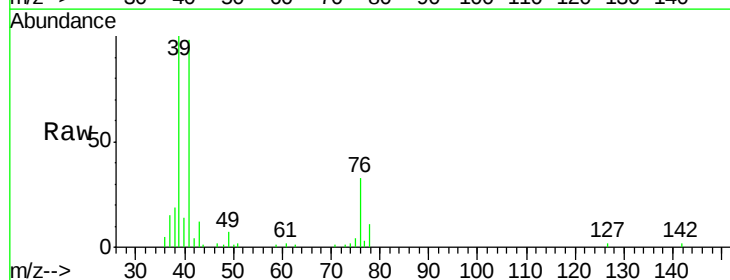
Tgt Ion: 41 Resp: 141093

Ion Ratio Lower Upper

41 100

39 102.2 60.5 90.7#

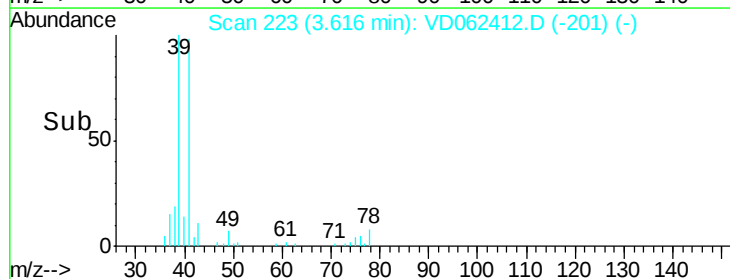
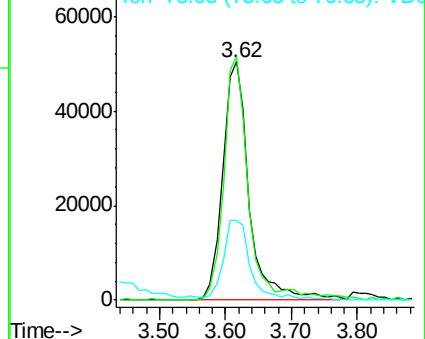
76 33.7 31.8 47.8

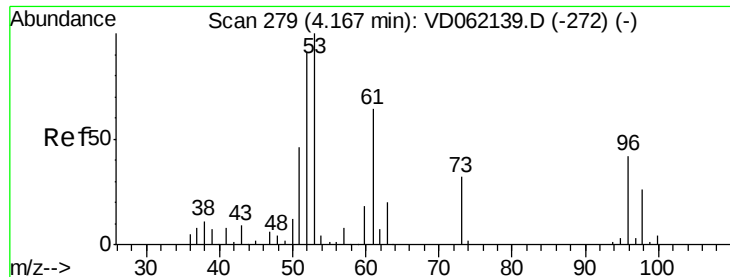


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.623 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBS01

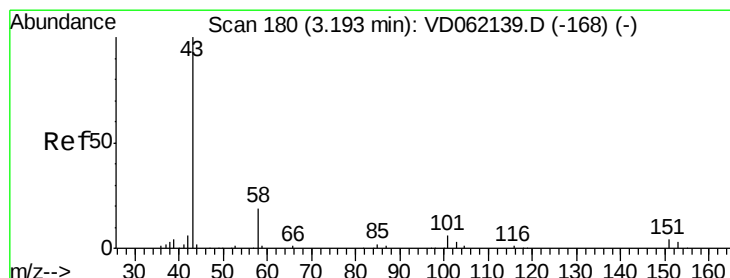
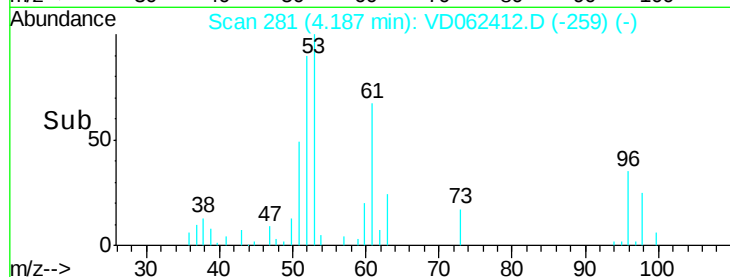
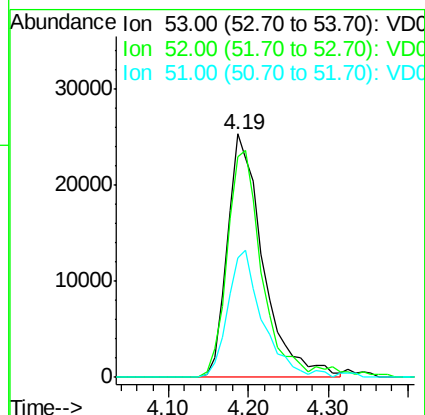
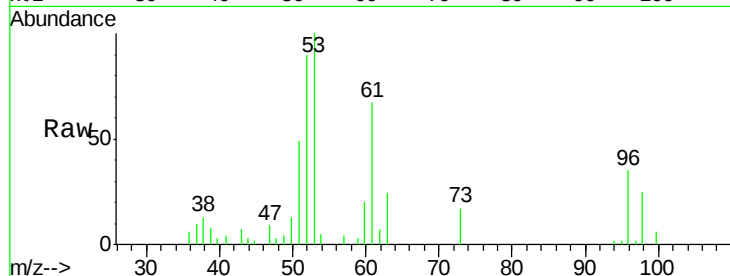
Tot Ion: 53 Resp: 79331

Ion Ratio Lower Upper

53 100

52 90.4 65.0 97.4

51 49.2 32.6 48.8#



#16

Acetone

Concen: 126.066 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062412.D

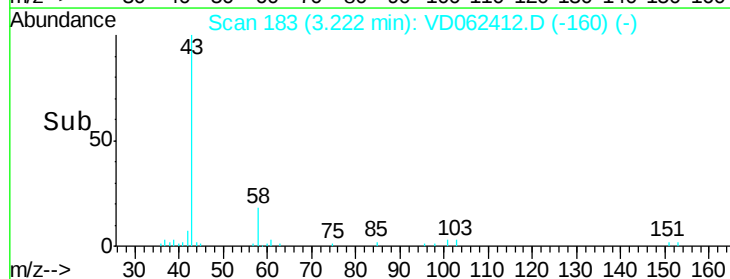
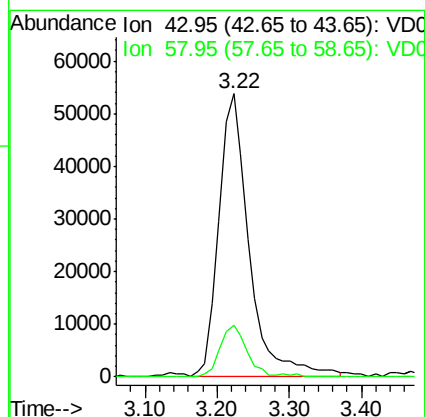
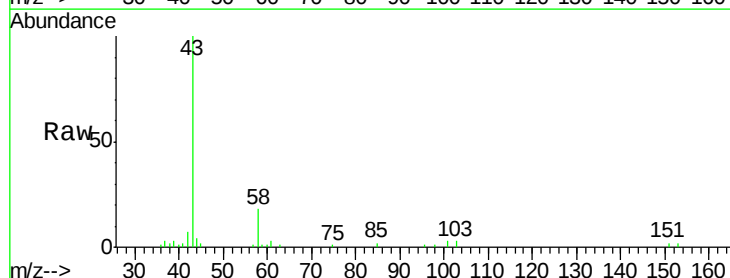
Acq: 16 May 2019 12:45

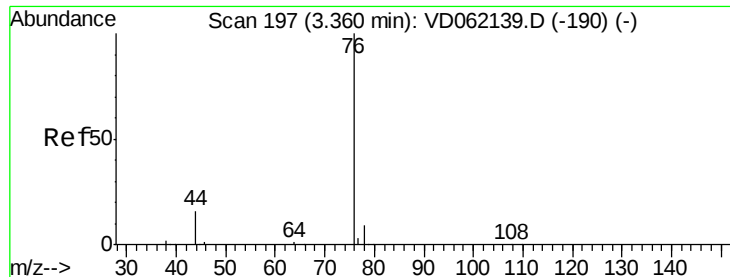
Tgt Ion: 43 Resp: 156910

Ion Ratio Lower Upper

43 100

58 18.1 19.9 29.9#

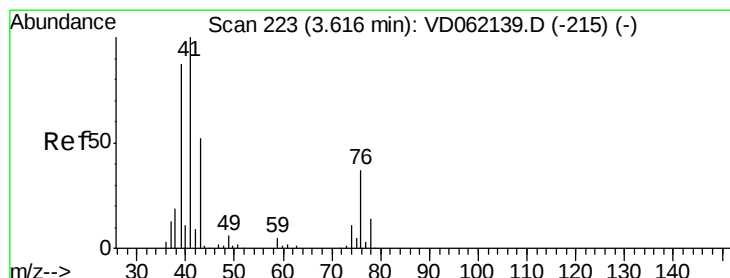
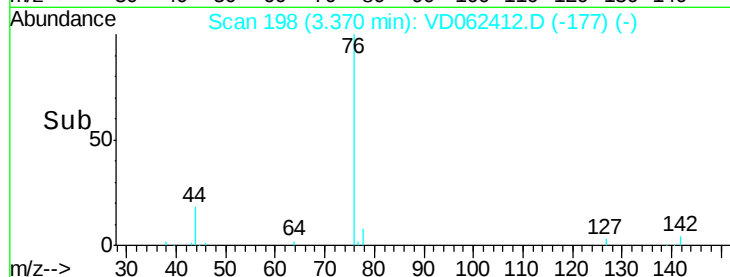
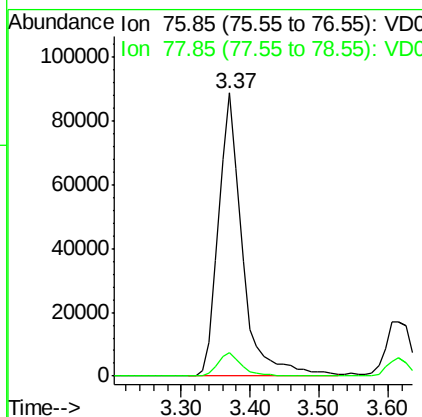
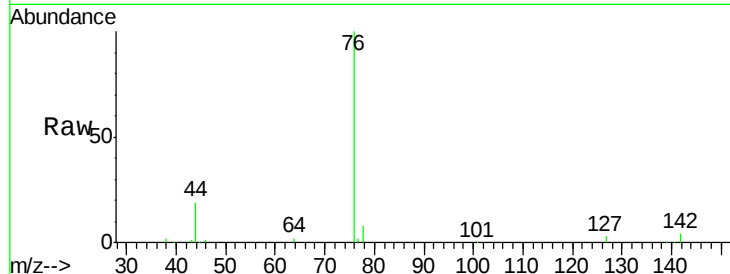




#17
Carbon Disulfide
Concen: 15.319 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

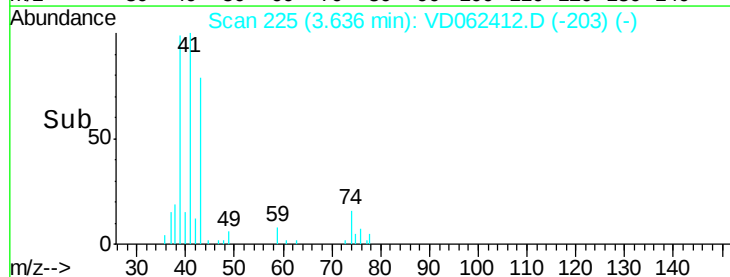
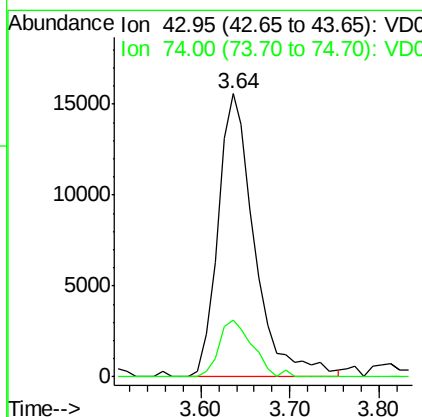
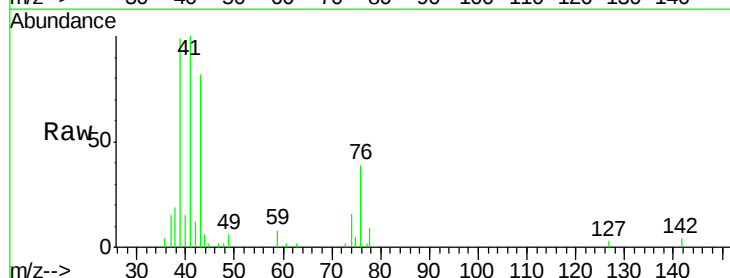
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

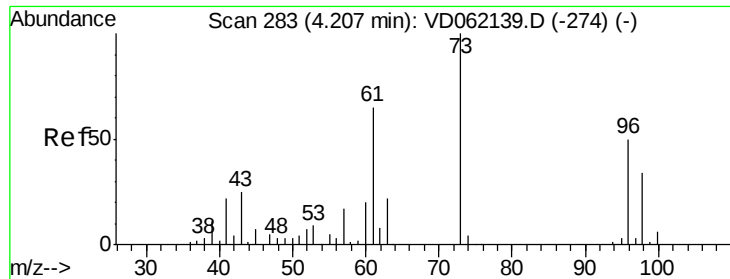
Tot Ion: 76 Resp: 214593
Ion Ratio Lower Upper
76 100
78 8.4 7.2 10.8



#18
Methyl Acetate
Concen: 19.851 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion: 43 Resp: 44597
Ion Ratio Lower Upper
43 100
74 20.0 18.0 27.0

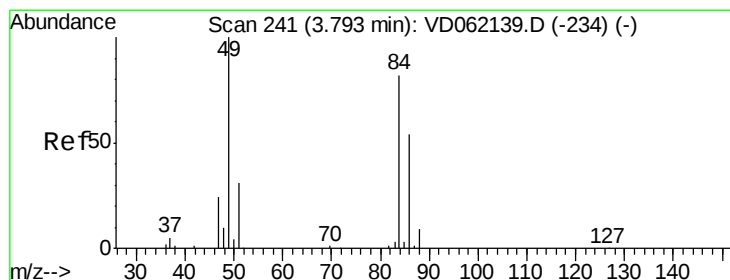
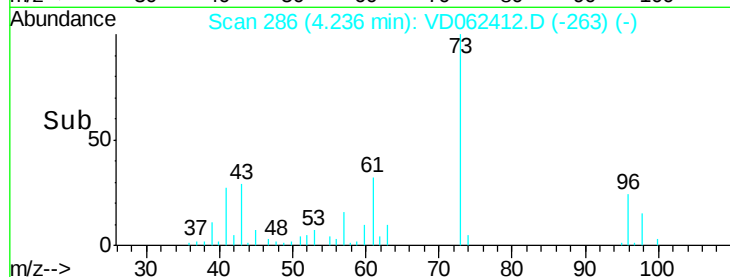
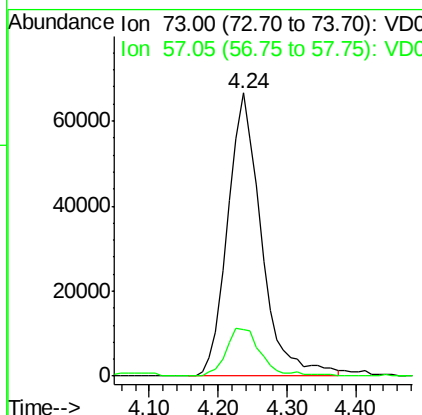
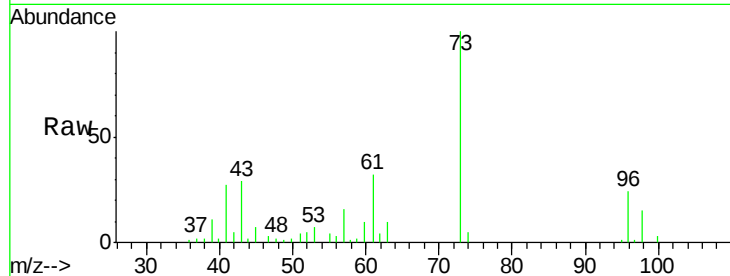




#19
Methyl tert-butyl Ether
Concen: 21.651 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.03 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

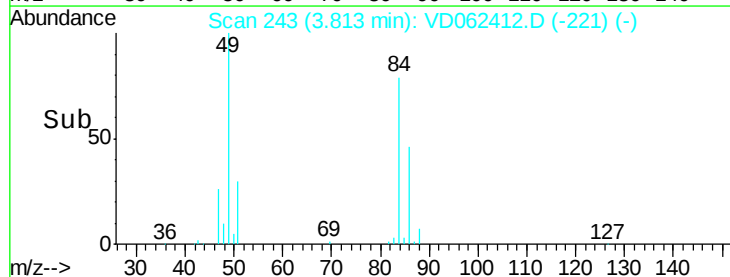
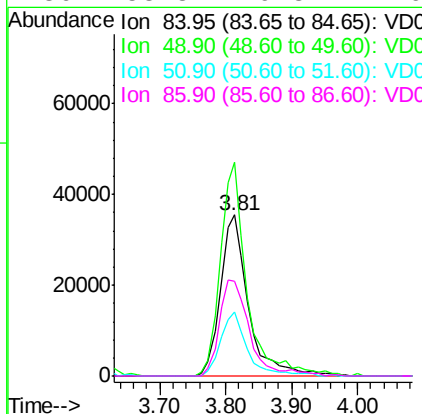
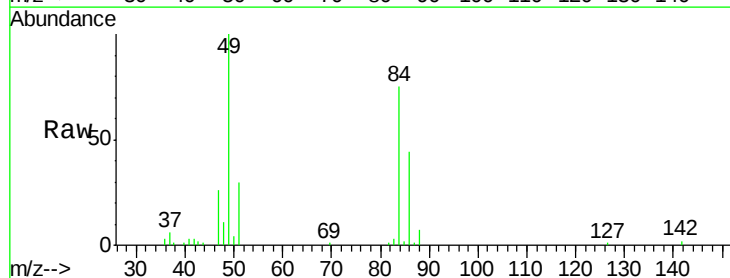
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

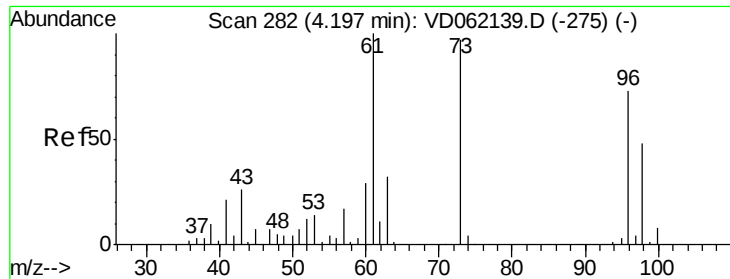
Tot Ion: 73 Resp: 225993
Ion Ratio Lower Upper
73 100
57 16.5 16.3 24.5



#20
Methylene Chloride
Concen: 20.200 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion: 84 Resp: 104981
Ion Ratio Lower Upper
84 100
49 132.6 94.0 141.0
51 39.7 29.0 43.4
86 58.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.243 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBS01

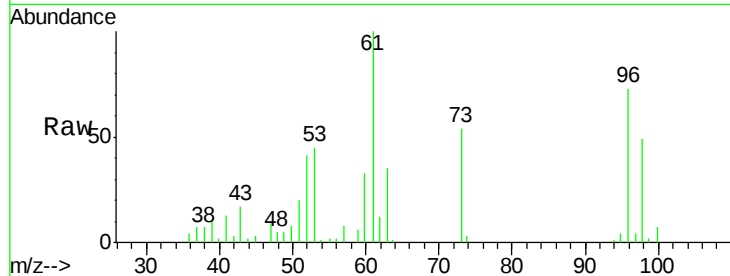
Tot Ion: 96 Resp: 98855

Ion Ratio Lower Upper

96 100

61 137.6 104.4 156.6

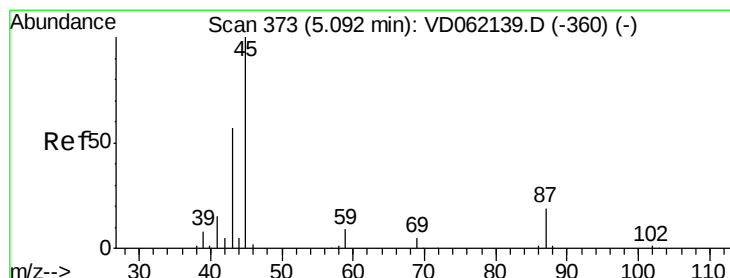
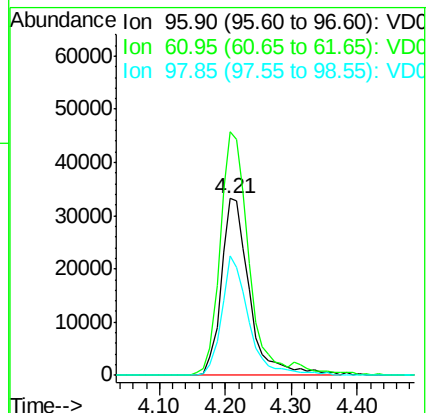
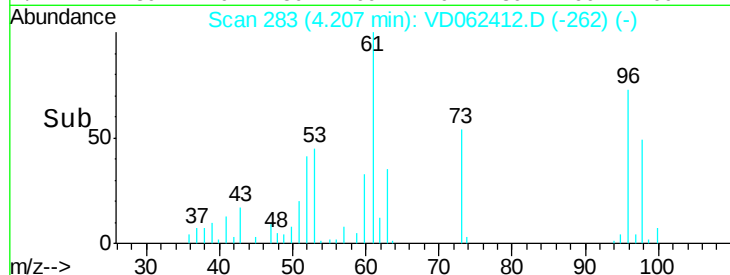
98 67.9 51.8 77.8



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: 19.926 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Tgt Ion: 45 Resp: 300238

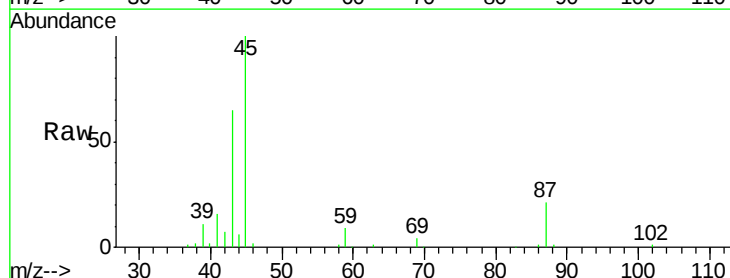
Ion Ratio Lower Upper

45 100

43 64.8 46.2 69.2

87 20.6 15.9 23.9

59 9.3 7.9 11.9

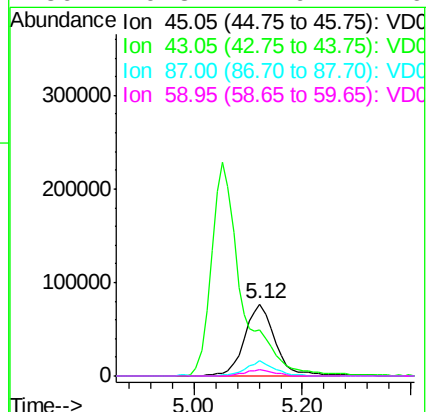
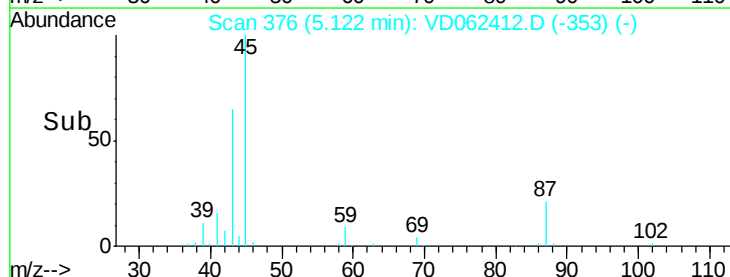


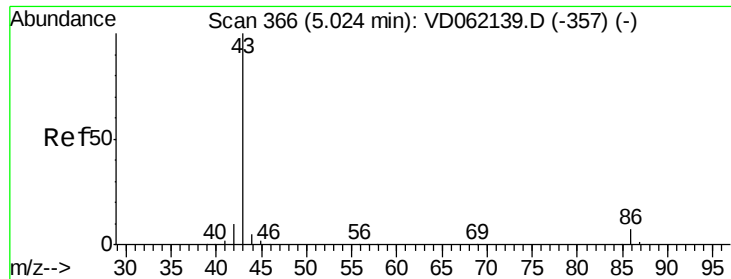
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 109.781 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.03 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

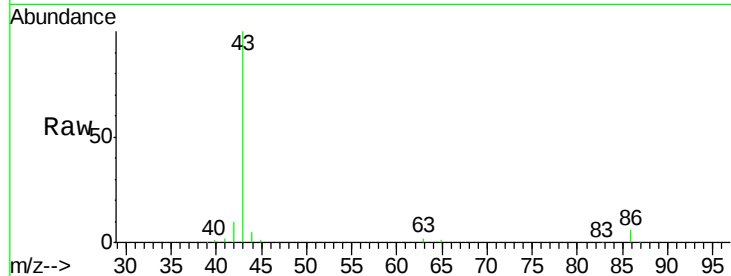
VD0516SBS01

Tot Ion: 43 Resp: 872716

Ion Ratio Lower Upper

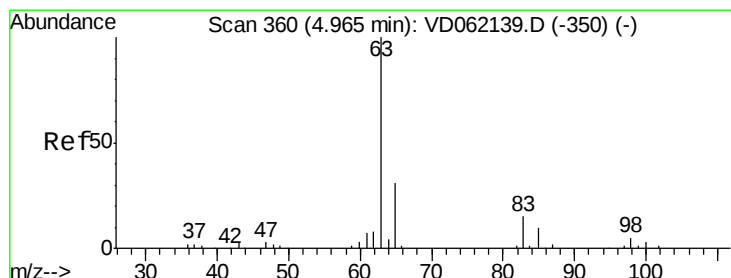
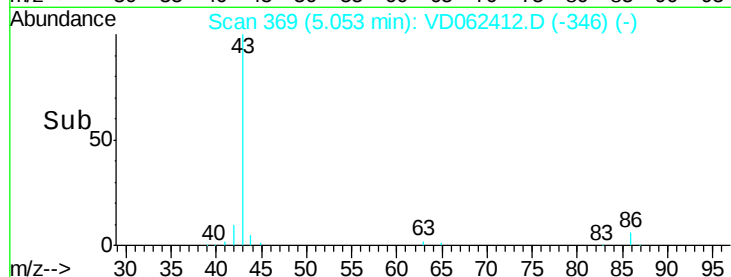
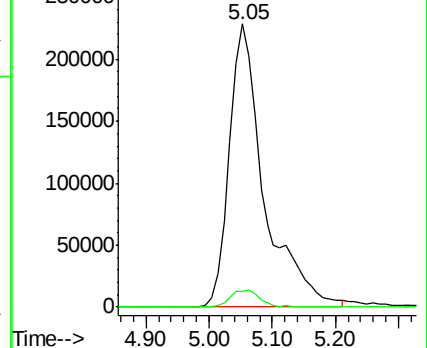
43 100

86 5.8 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: 20.536 ug/l

RT: 4.98 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

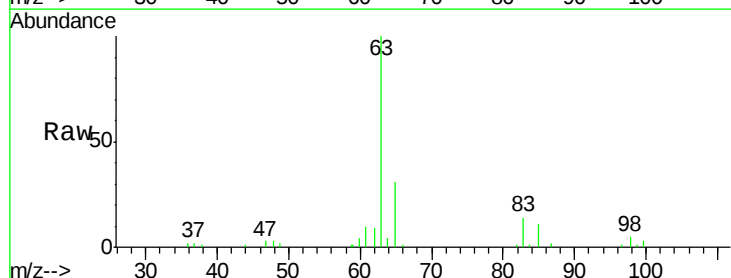
Tgt Ion: 63 Resp: 186665

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

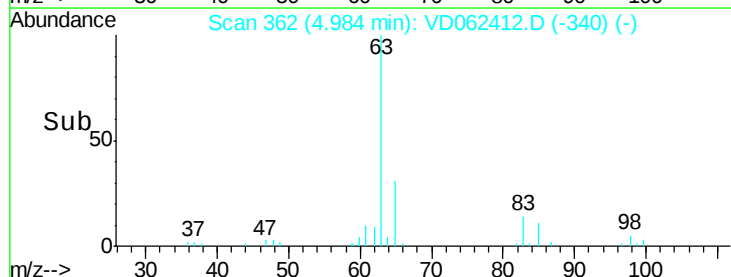
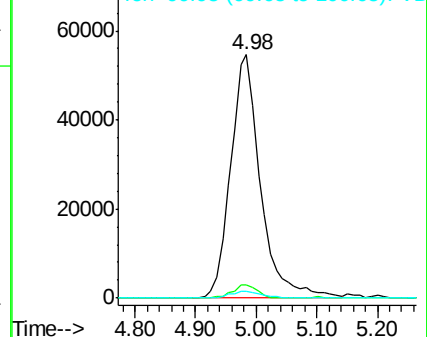
100 2.9 1.8 5.5

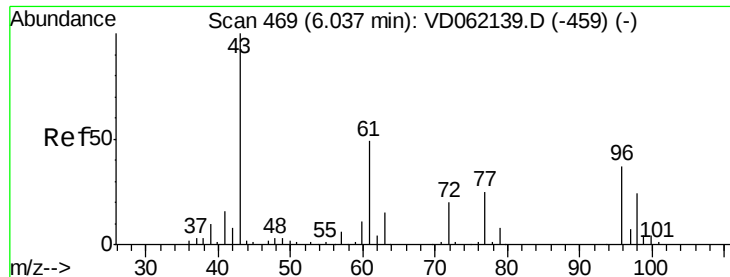


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

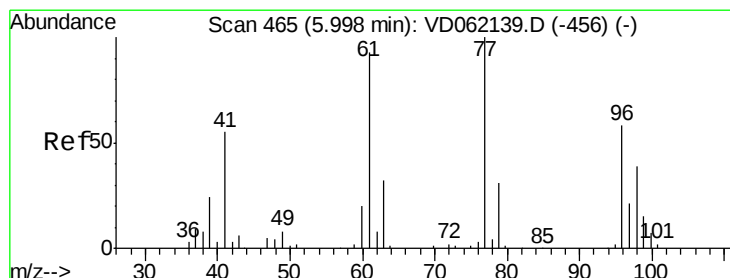
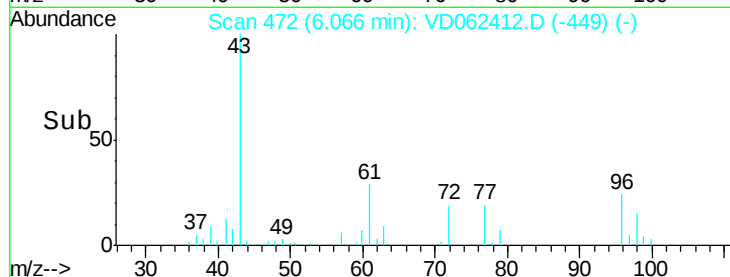
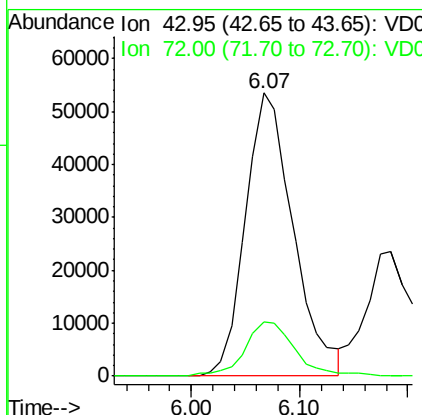
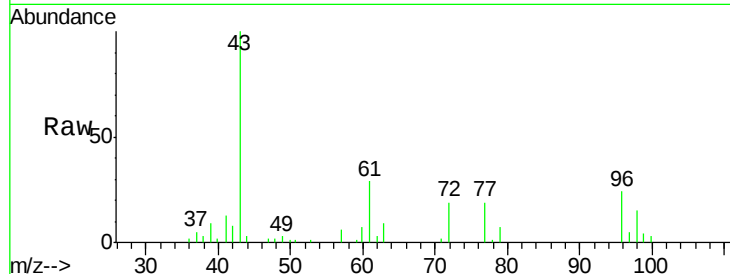




#25
2-Butanone
Concen: 121.357 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.03 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

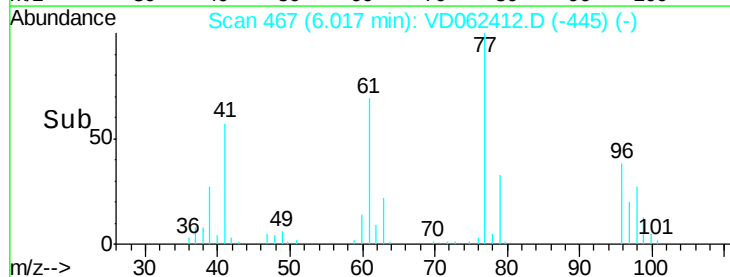
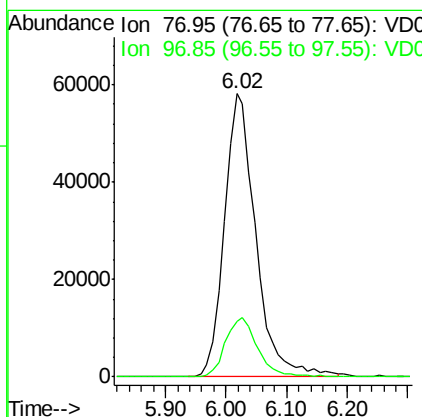
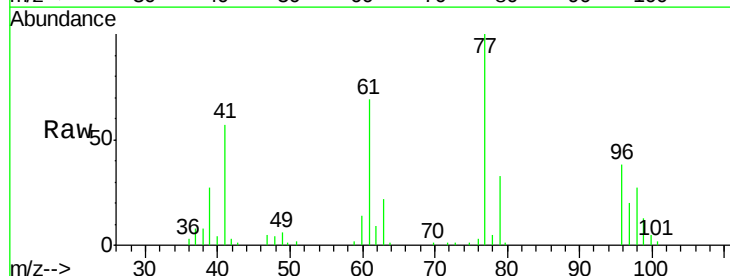
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

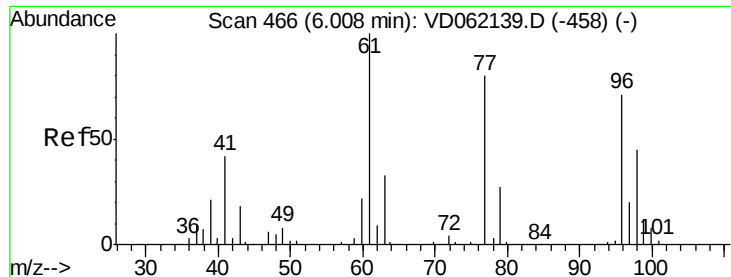
Tot Ion: 43 Resp: 164759
Ion Ratio Lower Upper
43 100
72 19.0 16.2 24.4



#26
2,2-Dichloropropane
Concen: 23.138 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion: 77 Resp: 209493
Ion Ratio Lower Upper
77 100
97 19.7 11.9 35.9



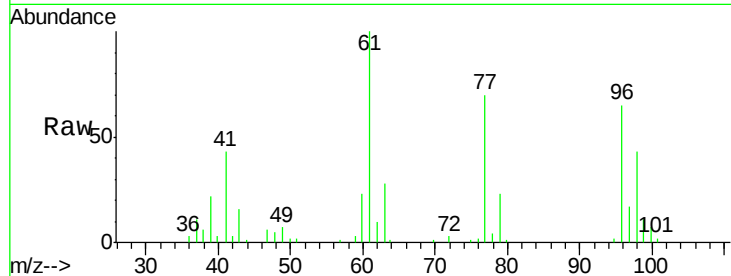


#27

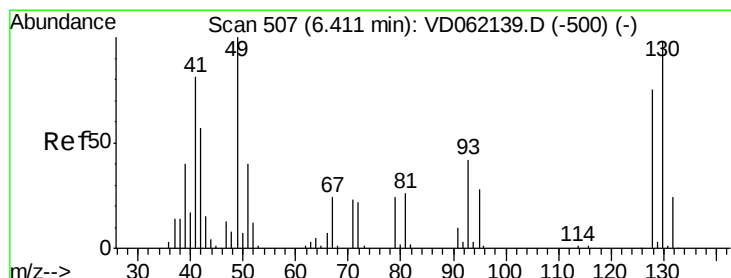
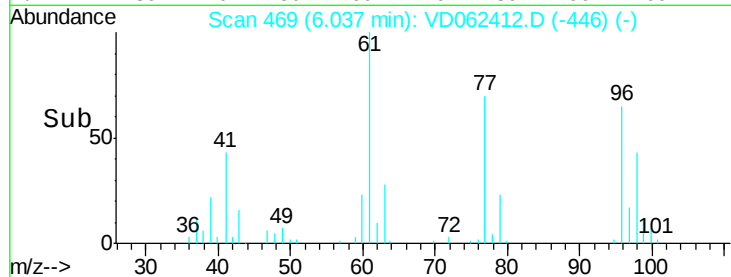
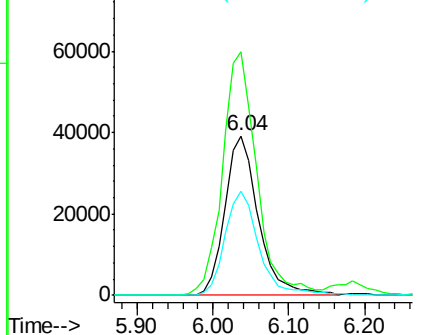
cis-1,2-Dichloroethene
 Concen: 19.788 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.03 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Tot Ion: 96 Resp: 120022
 Ion Ratio Lower Upper
 96 100
 61 153.0 0.0 279.8
 98 65.6 0.0 136.0



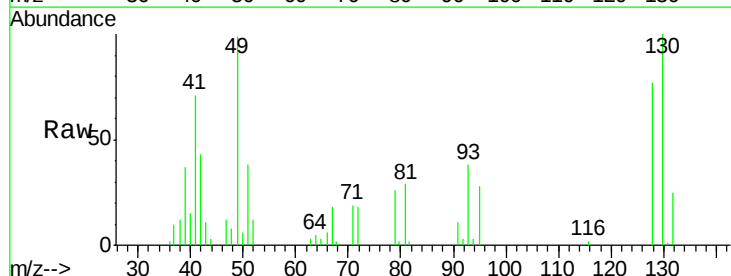
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



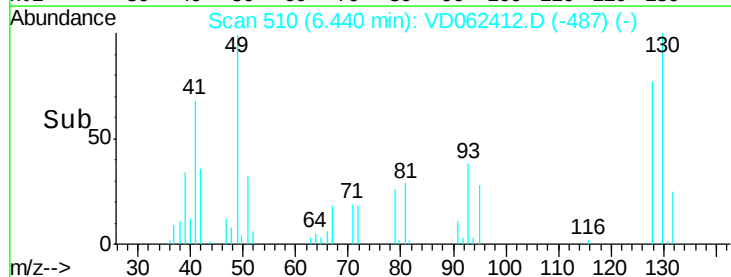
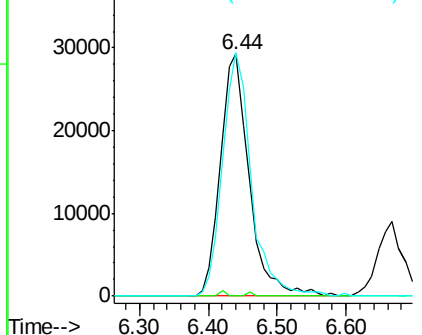
#28

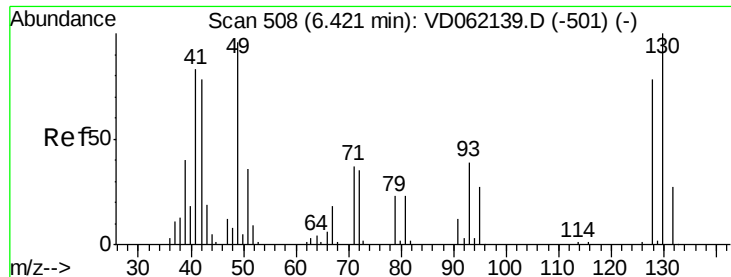
Bromochloromethane
 Concen: 23.697 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.03 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Tgt Ion: 49 Resp: 84744
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.6
 130 100.5 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

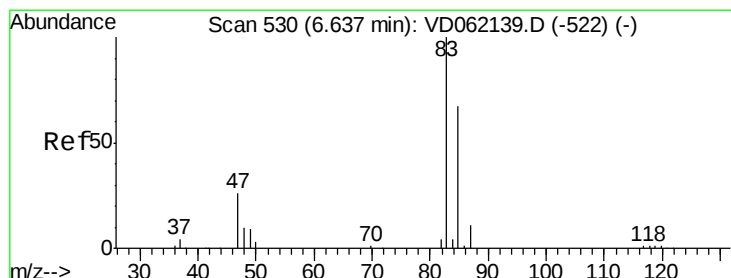
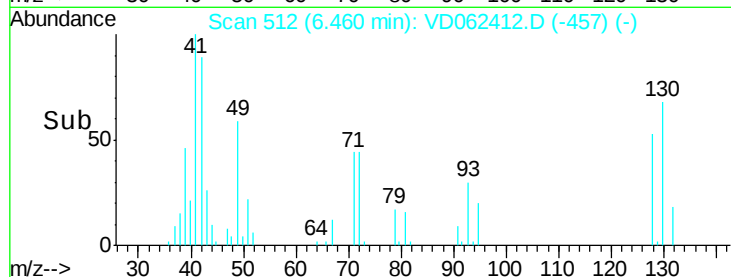
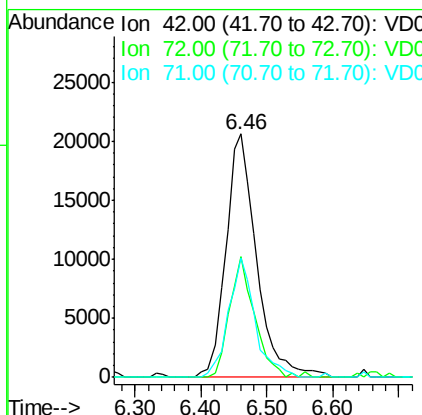
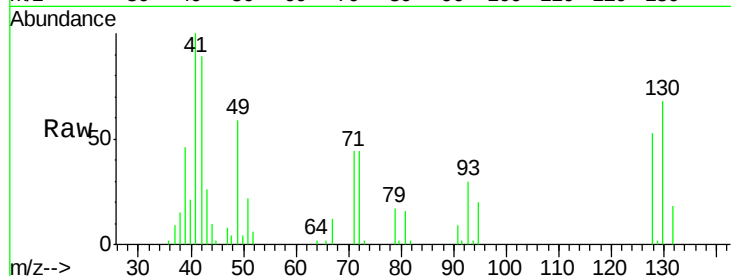




#29
Tetrahydrofuran
Concen: 107.388 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

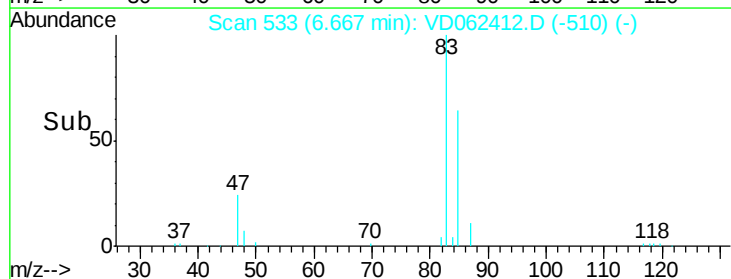
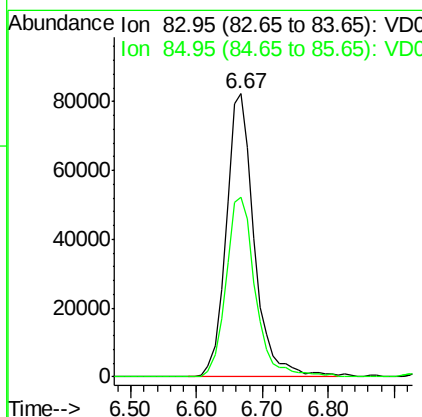
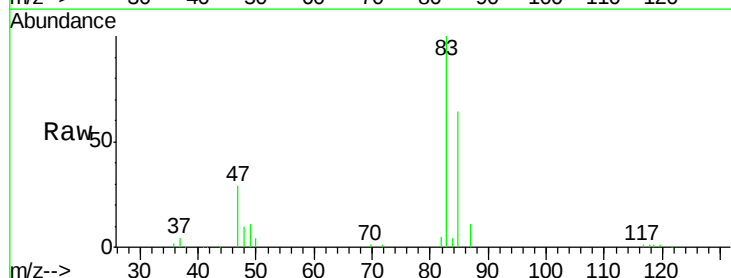
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

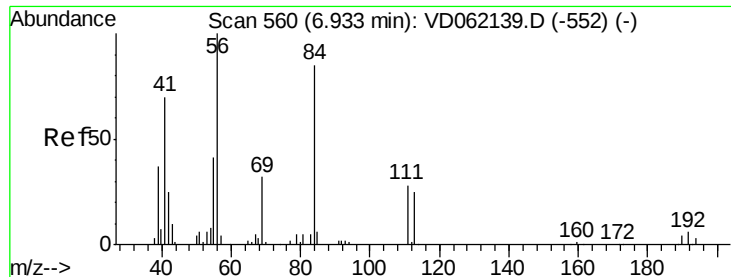
Tot Ion: 42 Resp: 67176
Ion Ratio Lower Upper
42 100
72 40.7 37.8 56.6
71 42.5 36.7 55.1



#30
Chloroform
Concen: 22.347 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.03 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion: 83 Resp: 244795
Ion Ratio Lower Upper
83 100
85 63.6 51.7 77.5

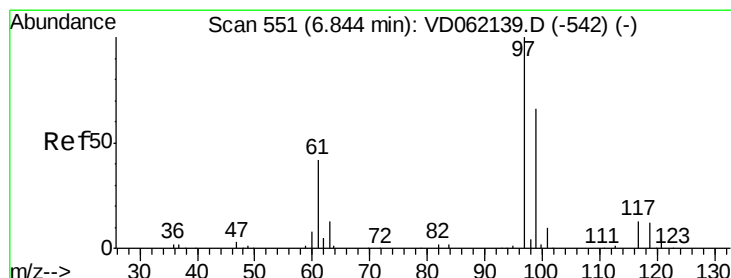
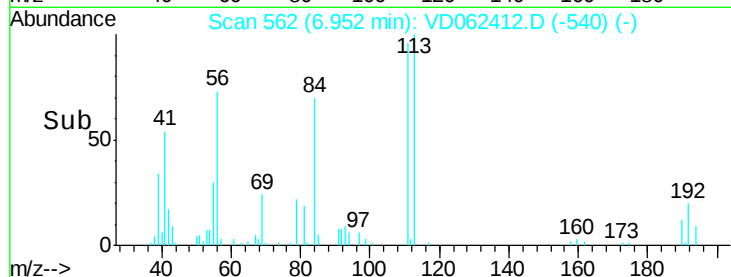
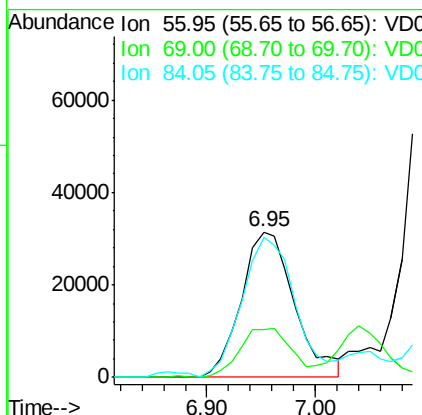
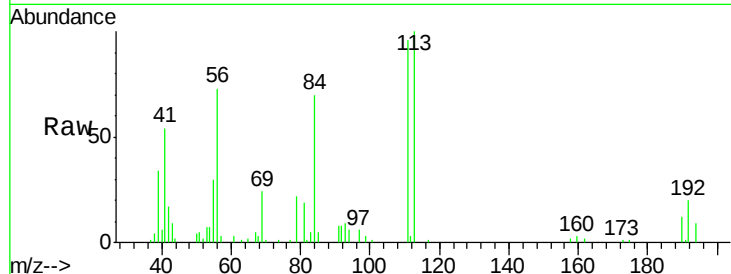




#31
Cyclohexane
Concen: 17.227 ug/l
RT: 6.95 min Scan# 562
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

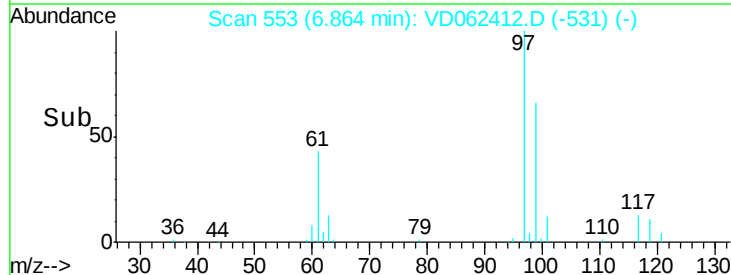
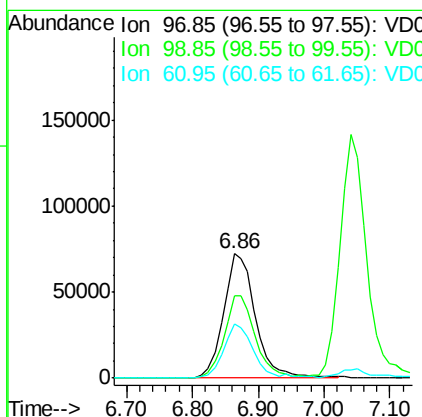
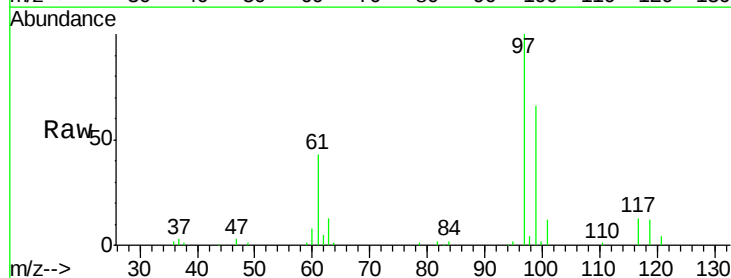
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

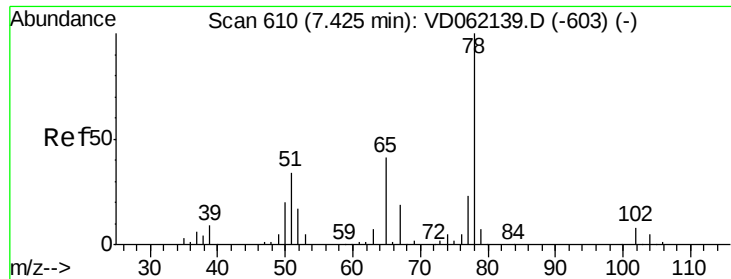
Tot Ion: 56 Resp: 107276
Ion Ratio Lower Upper
56 100
69 32.4 25.8 38.6
84 96.2 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 23.408 ug/l
RT: 6.86 min Scan# 553
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion: 97 Resp: 242362
Ion Ratio Lower Upper
97 100
99 65.7 52.2 78.2
61 43.3 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 53.710 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

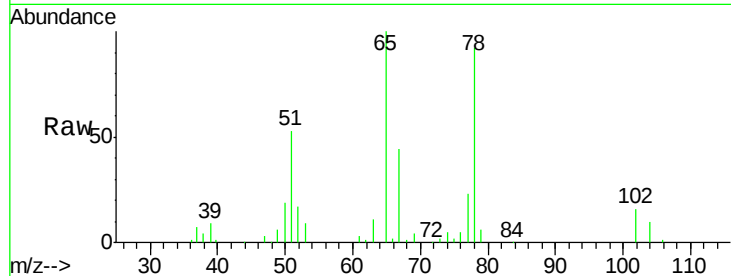
VD0516SBS01

Tot Ion: 65 Resp: 318779

Ion Ratio Lower Upper

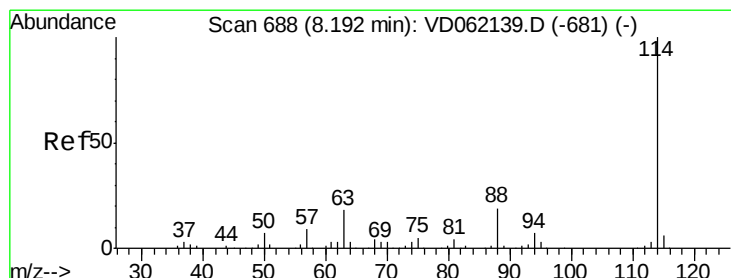
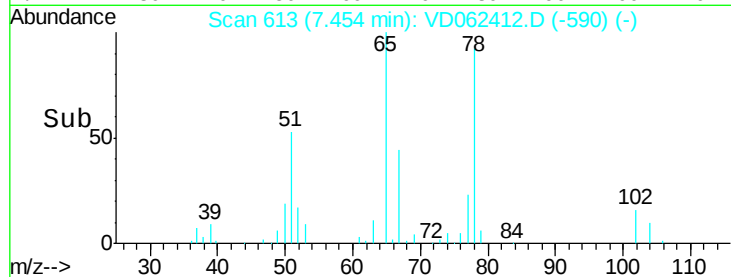
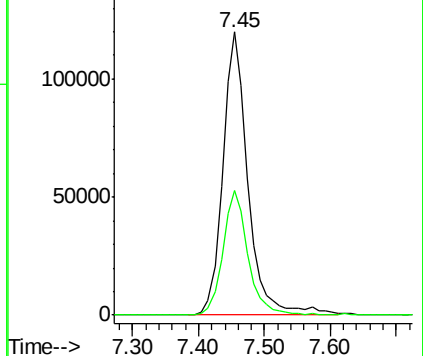
65 100

67 44.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

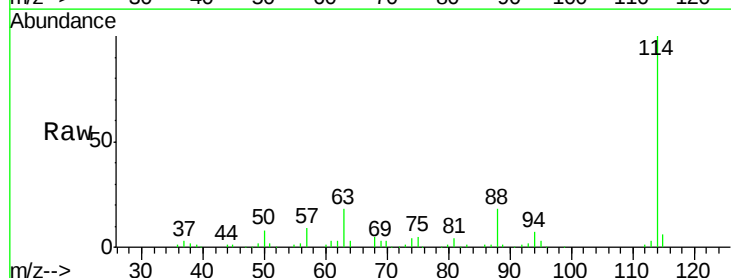
Tgt Ion: 114 Resp: 876670

Ion Ratio Lower Upper

114 100

63 18.0 0.0 32.4

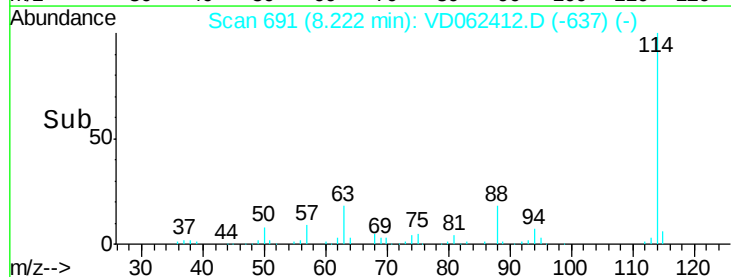
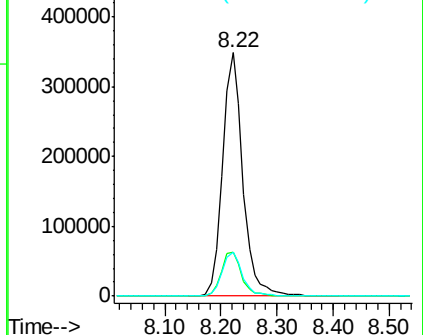
88 17.9 0.0 33.6

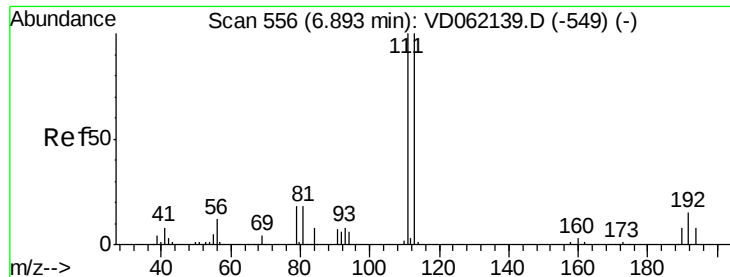


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

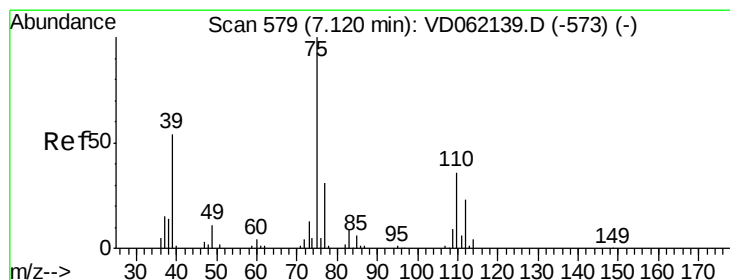
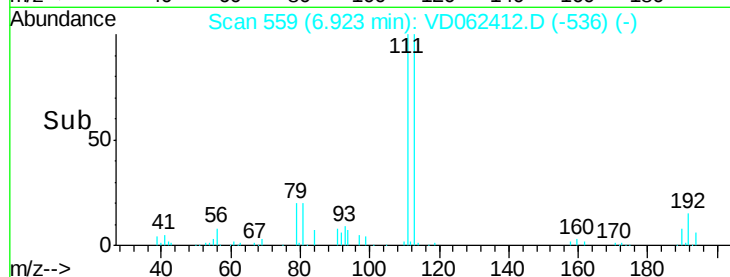
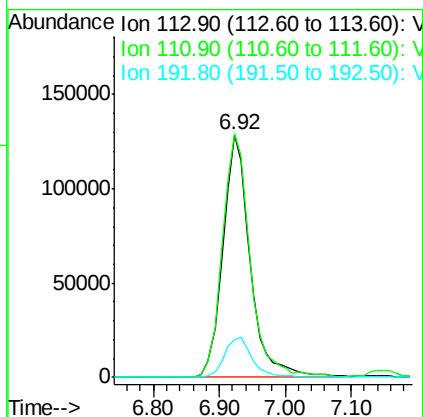
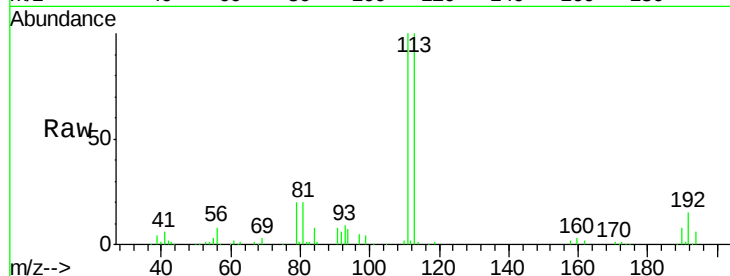




#35
 Dibromofluoromethane
 Concen: 51.172 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

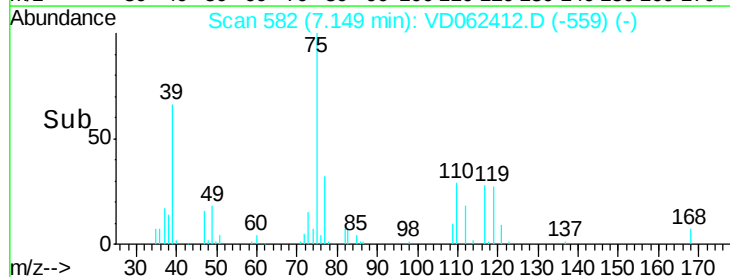
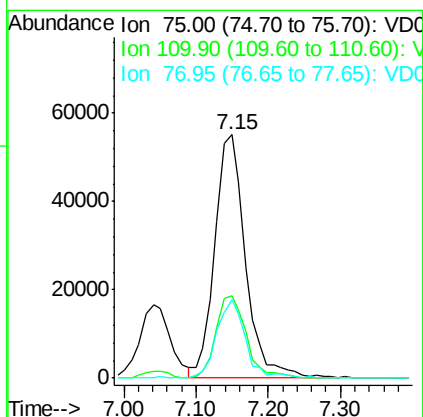
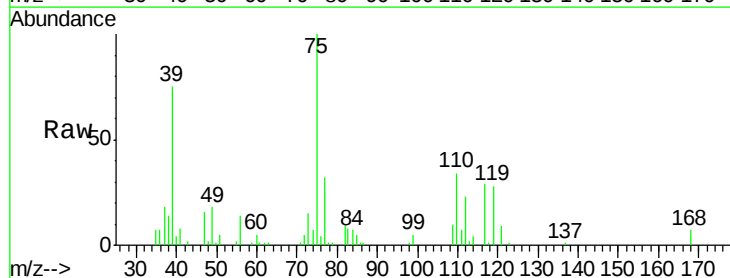
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

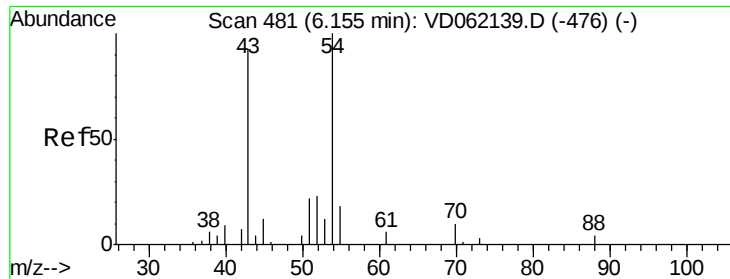
Tot Ion:113 Resp: 372219
 Ion Ratio Lower Upper
 113 100
 111 100.4 78.5 117.7
 192 15.4 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 22.533 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.03 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Tgt Ion: 75 Resp: 161962
 Ion Ratio Lower Upper
 75 100
 110 33.9 19.1 57.1
 77 32.2 25.6 38.4

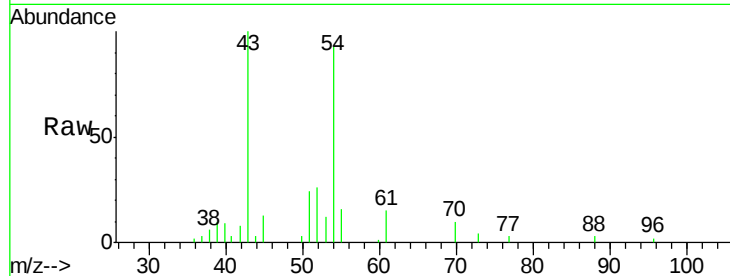




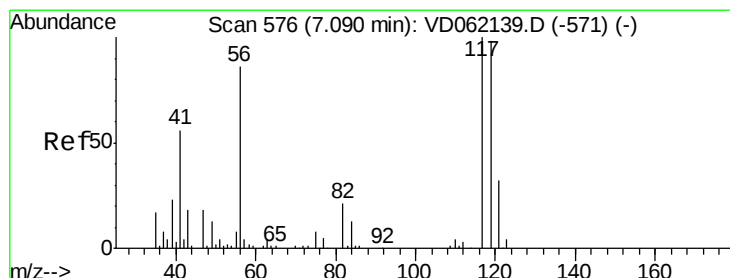
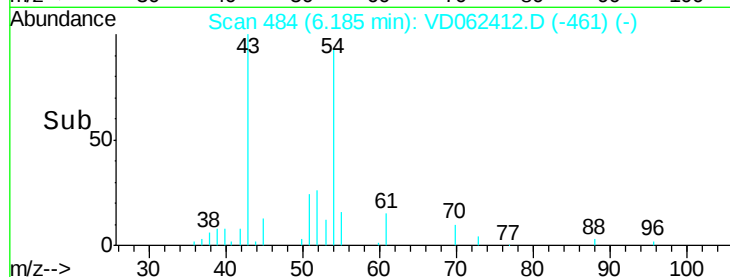
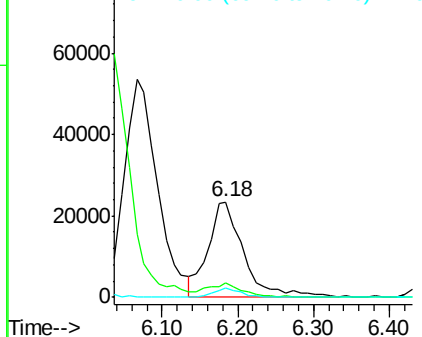
#37
Ethyl Acetate
Concen: 25.261 ug/l
RT: 6.18 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

Tot Ion: 43 Resp: 77003
Ion Ratio Lower Upper
43 100
61 14.9 14.7 22.1
70 10.0 7.8 11.6

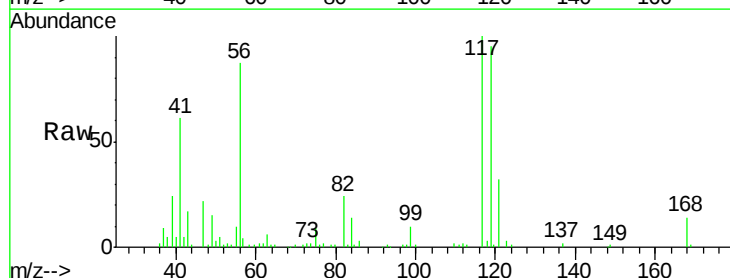


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

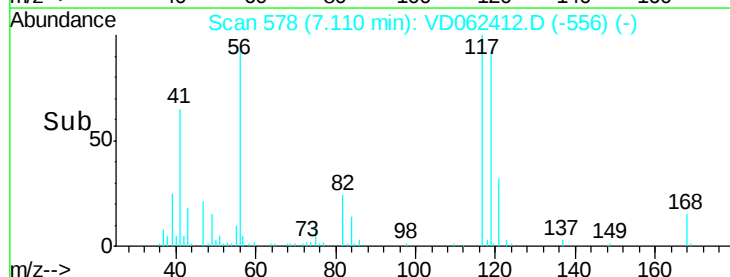
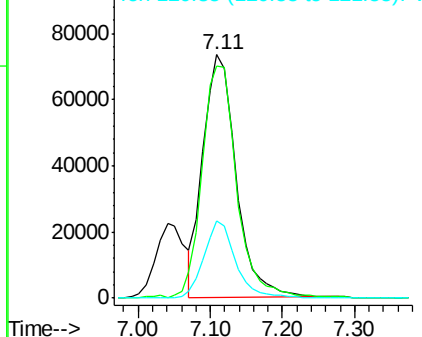


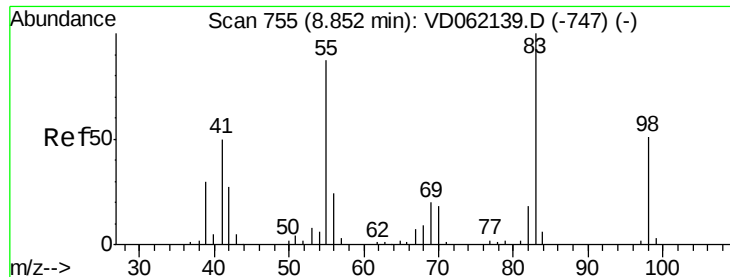
#38
Carbon Tetrachloride
Concen: 23.414 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion: 117 Resp: 232942
Ion Ratio Lower Upper
117 100
119 95.4 75.8 113.8
121 31.9 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

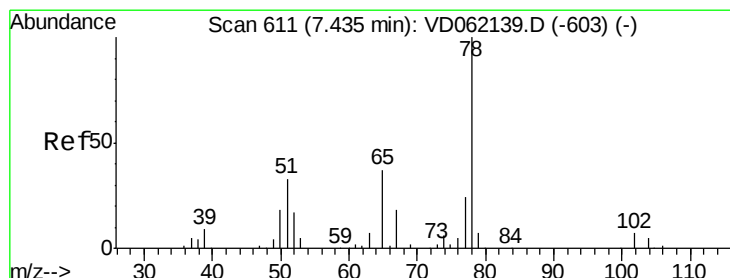
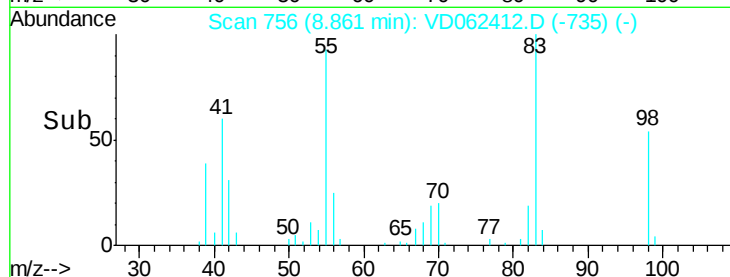
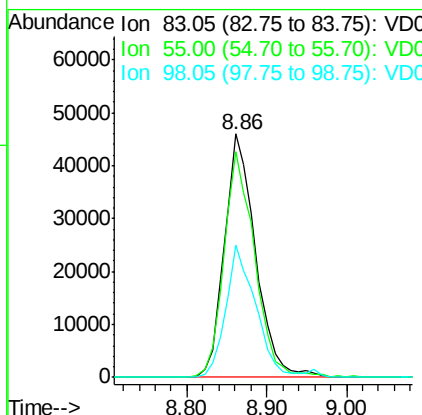
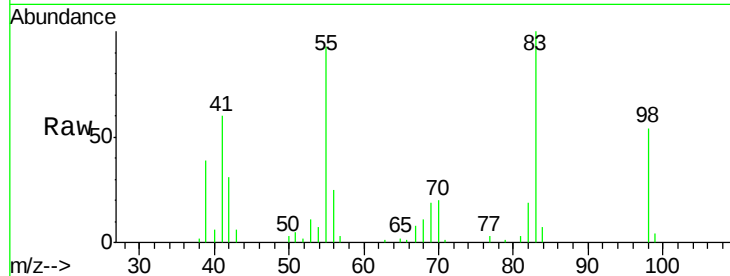




#39
Methvlcvclohexane
Concen: 18.262 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

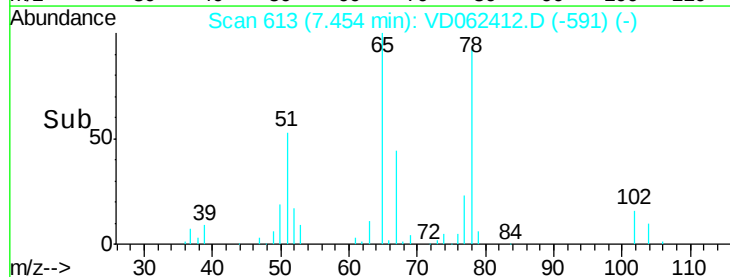
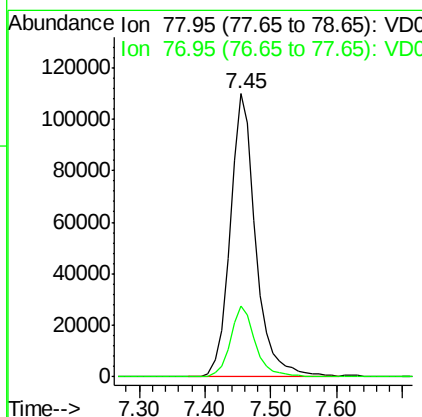
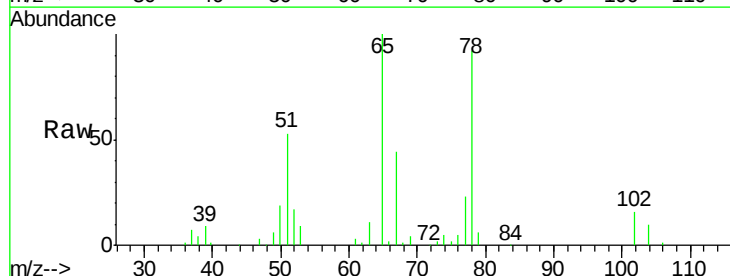
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

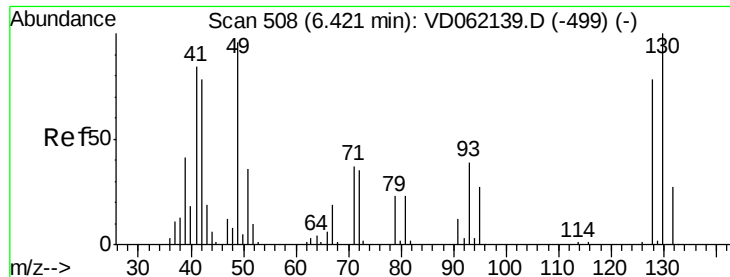
Tot Ion: 83 Resp: 125766
Ion Ratio Lower Upper
83 100
55 92.8 68.2 102.4
98 54.4 38.2 57.4



#40
Benzene
Concen: 18.418 ug/l
RT: 7.45 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion: 78 Resp: 298942
Ion Ratio Lower Upper
78 100
77 25.2 19.7 29.5





#41

Methacrylonitrile

Concen: 24.315 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.04 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBS01

Tot Ion: 41 Resp: 90576

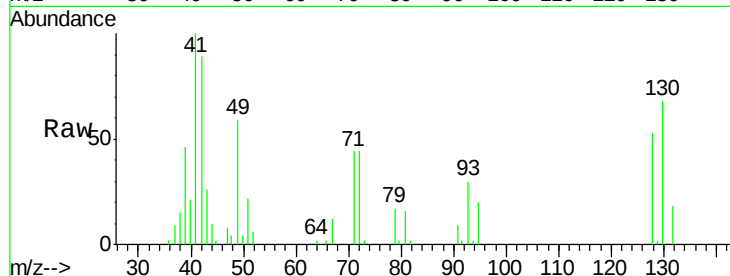
Ion Ratio Lower Upper

41 100

39 46.1 34.1 51.1

67 11.6 23.8 35.6#

52 5.6 8.8 13.2#

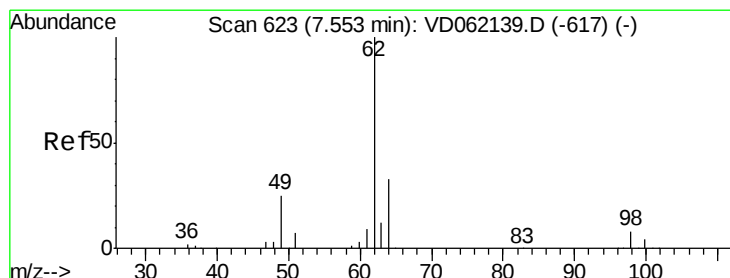
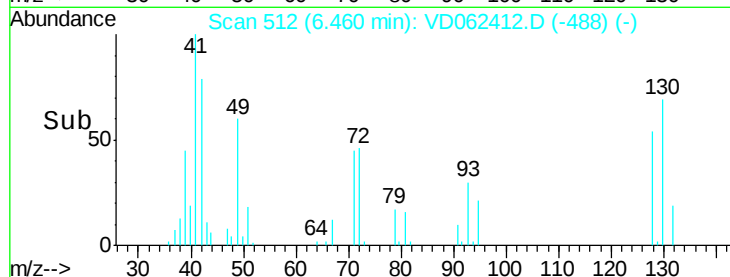
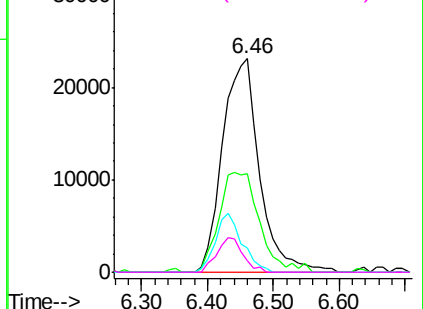


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 23.122 ug/l

RT: 7.58 min Scan# 626

Delta R.T. 0.03 min

Lab File: VD062412.D

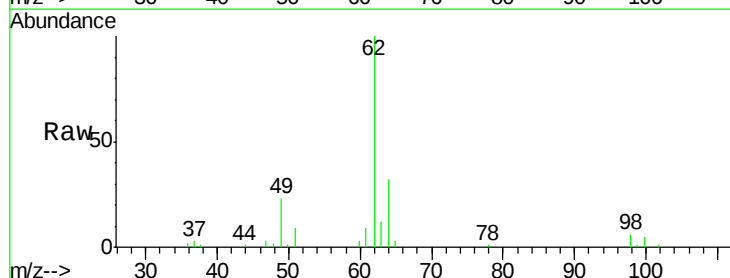
Acq: 16 May 2019 12:45

Tgt Ion: 62 Resp: 159007

Ion Ratio Lower Upper

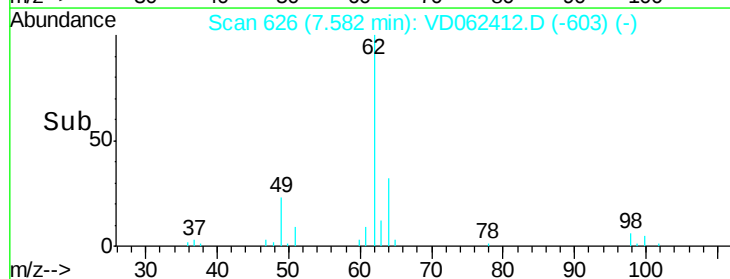
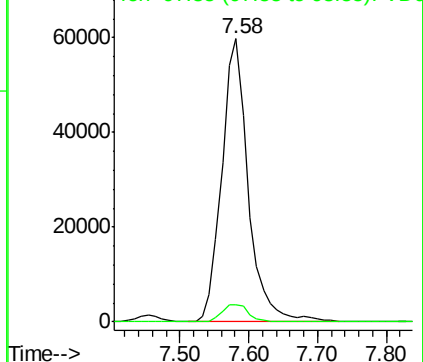
62 100

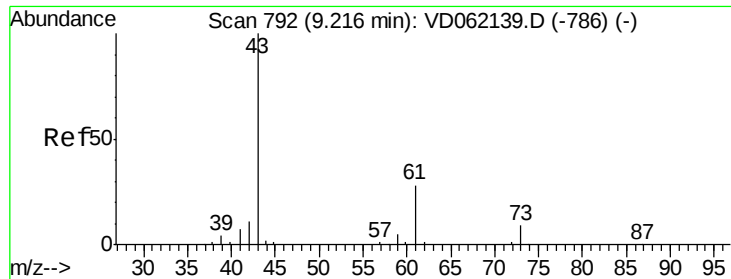
98 5.9 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



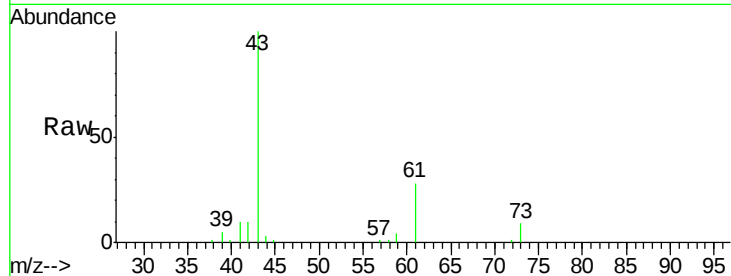


#43

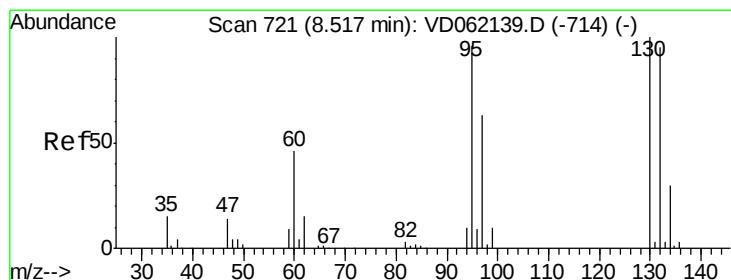
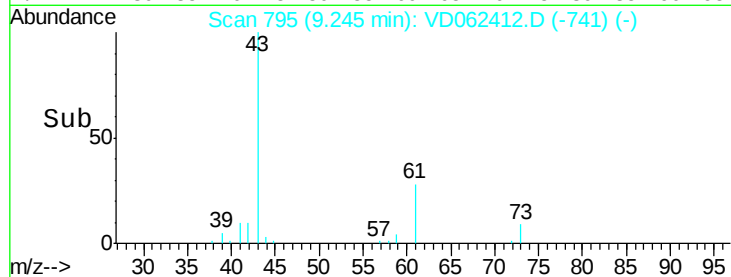
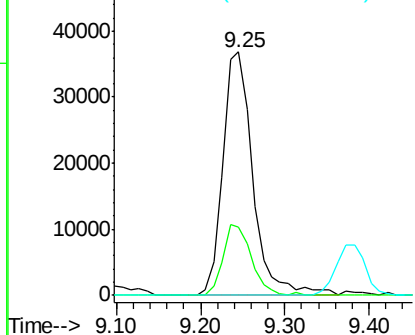
Isopropyl Acetate
 Concen: 21.082 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.03 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Tot Ion: 43 Resp: 91139
 Ion Ratio Lower Upper
 43 100
 61 28.0 25.1 37.7
 87 0.0 0.0 0.0



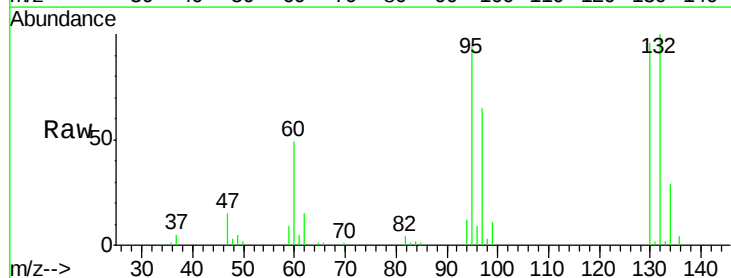
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



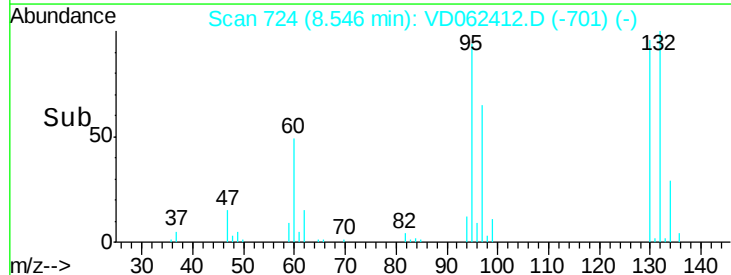
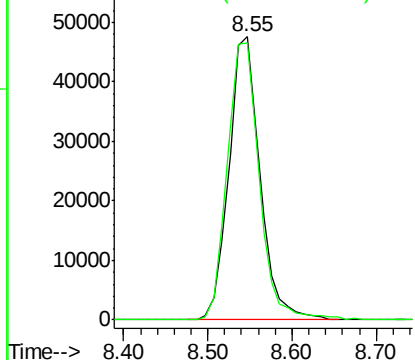
#44

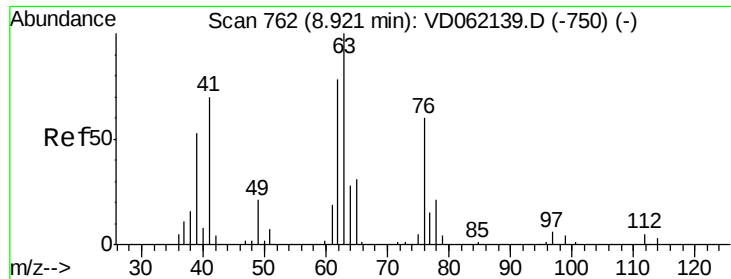
Trichloroethene
 Concen: 19.768 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.03 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Tgt Ion: 130 Resp: 122265
 Ion Ratio Lower Upper
 130 100
 95 97.7 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: 19.510 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

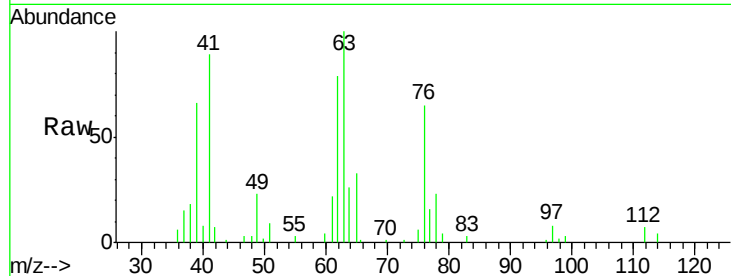
VD0516SBS01

Tot Ion: 63 Resp: 78326

Ion Ratio Lower Upper

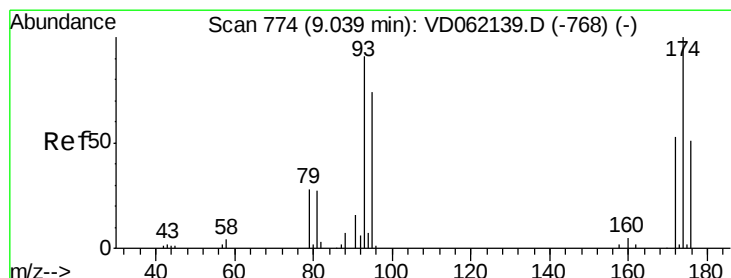
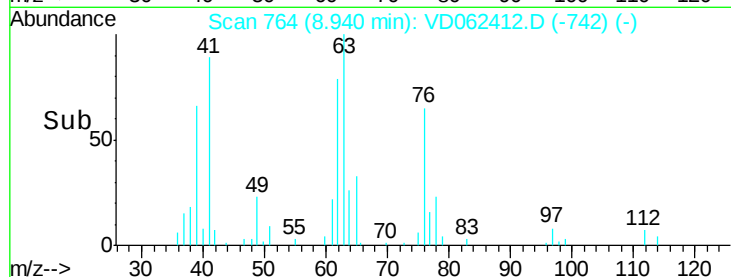
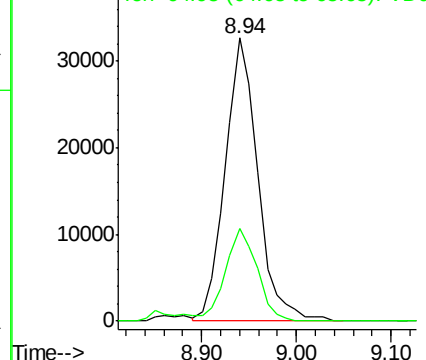
63 100

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: 22.395 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

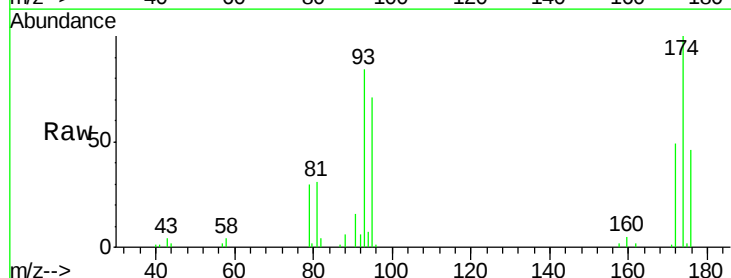
Tgt Ion: 93 Resp: 73114

Ion Ratio Lower Upper

93 100

95 85.2 64.8 97.2

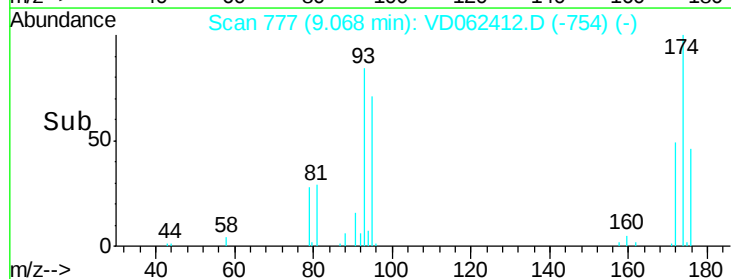
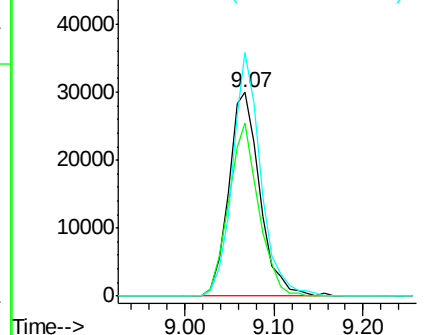
174 119.6 79.3 118.9#

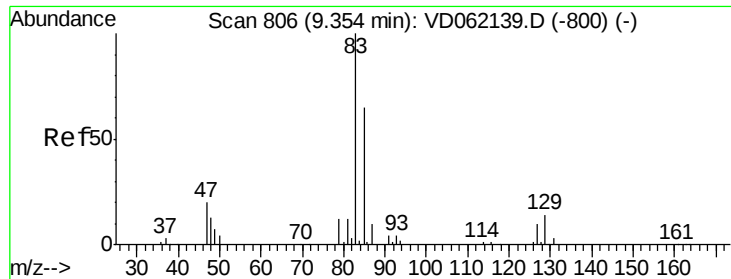


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.291 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBS01

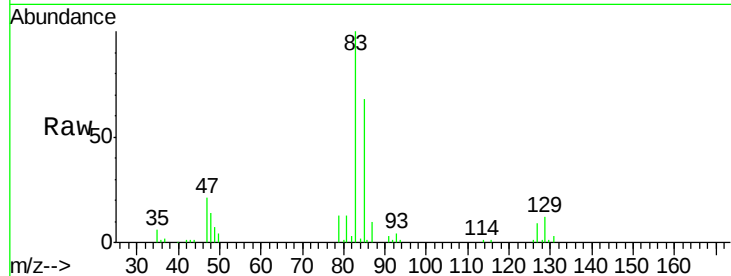
Tot Ion: 83 Resp: 185998

Ion Ratio Lower Upper

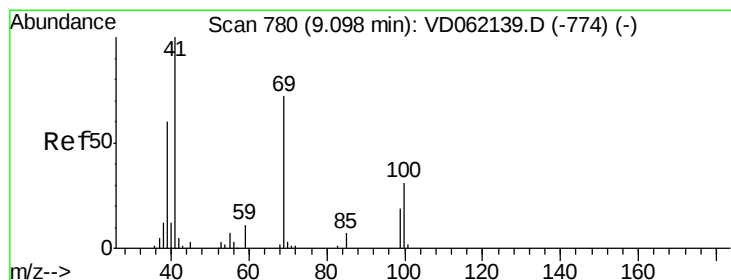
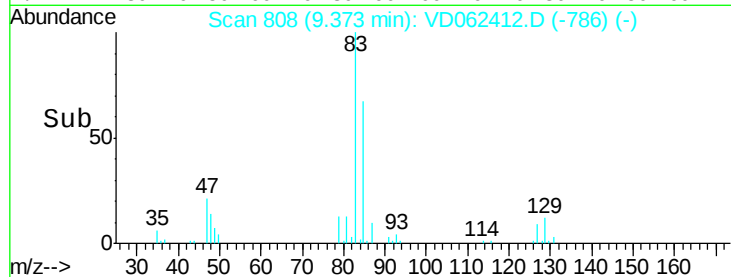
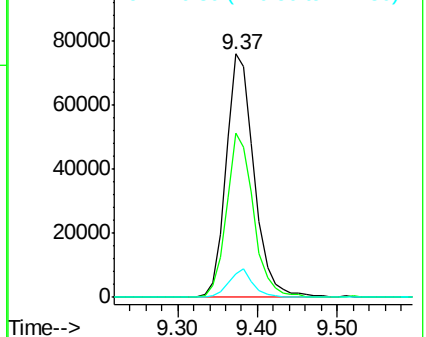
83 100

85 68.9 50.9 76.3

127 9.4 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): V



#48

Methyl methacrylate

Concen: 23.285 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

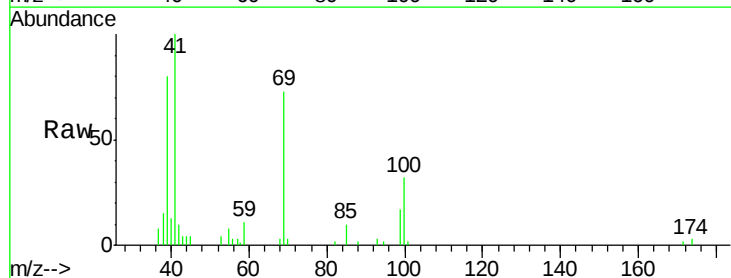
Tgt Ion: 41 Resp: 62005

Ion Ratio Lower Upper

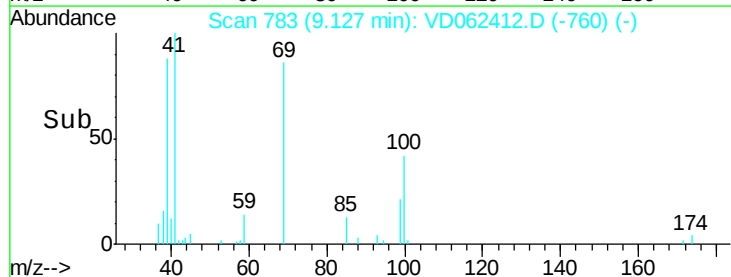
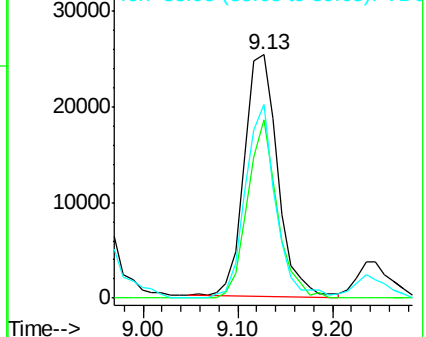
41 100

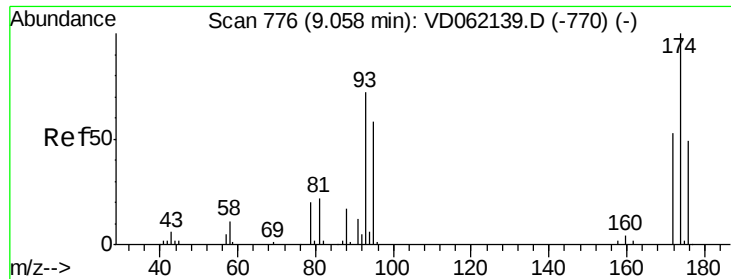
69 73.2 64.2 96.2

39 79.8 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

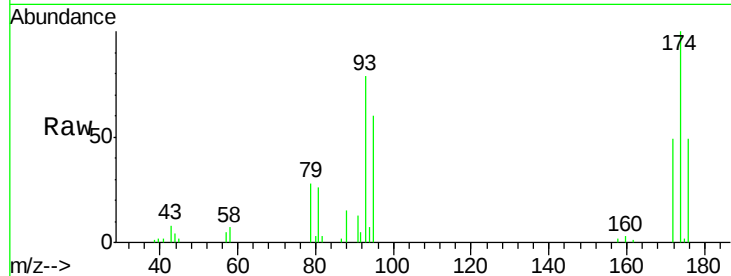




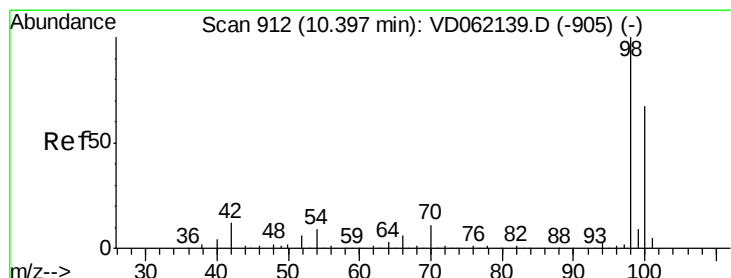
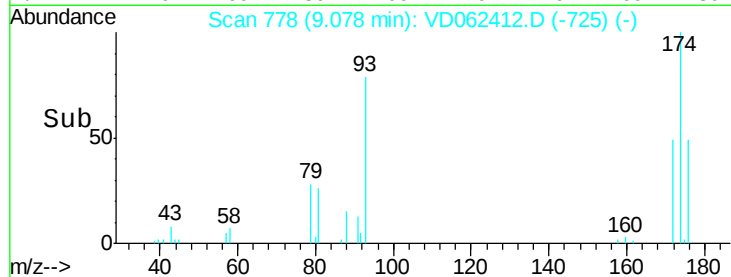
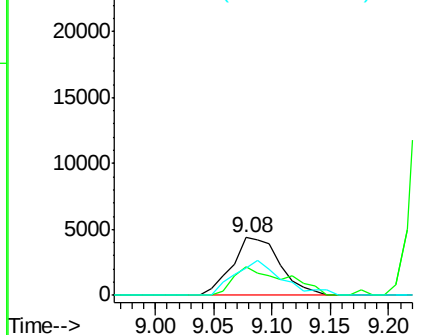
#49
1,4-Dioxane
Concen: 432.980 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

Tot Ion: 88 Resp: 12440
Ion Ratio Lower Upper
88 100
43 50.3 23.4 35.0#
58 46.5 44.0 66.0

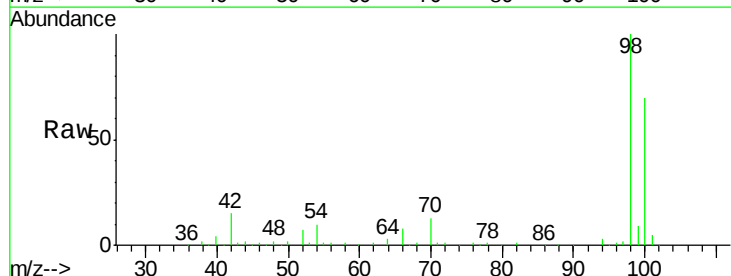


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

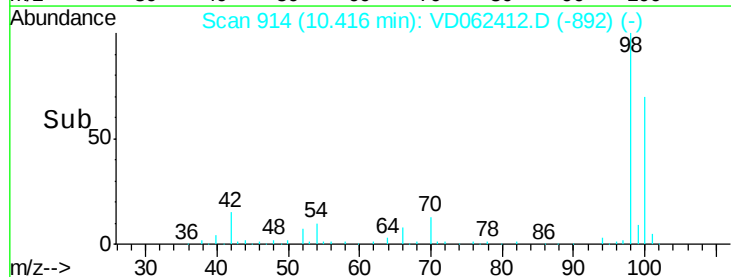
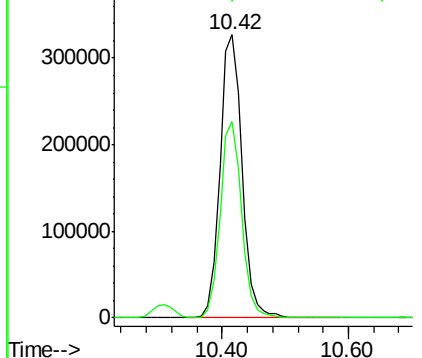


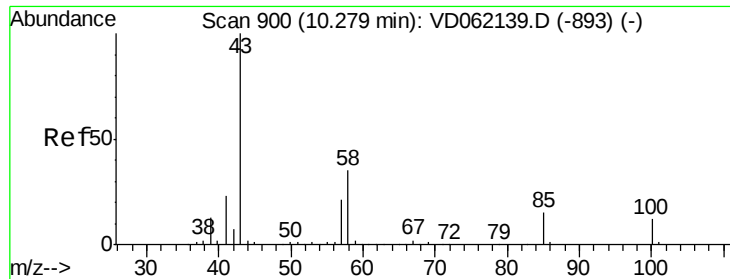
#50
Toluene-d8
Concen: 45.441 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion: 98 Resp: 796933
Ion Ratio Lower Upper
98 100
100 69.6 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: 118.565 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

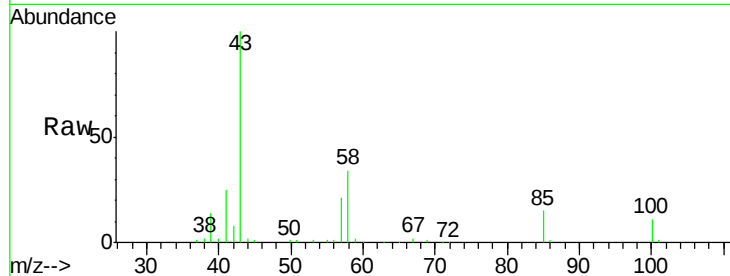
VD0516SBS01

Tot Ion: 43 Resp: 329485

Ion Ratio Lower Upper

43 100

58 33.9 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

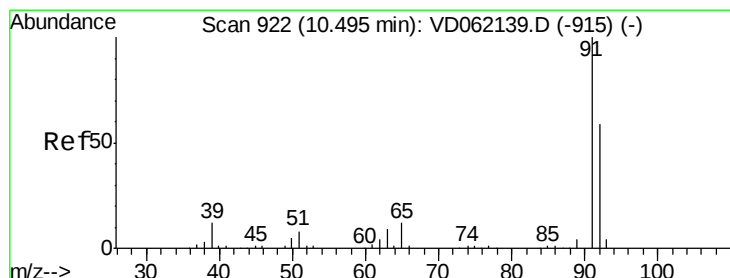
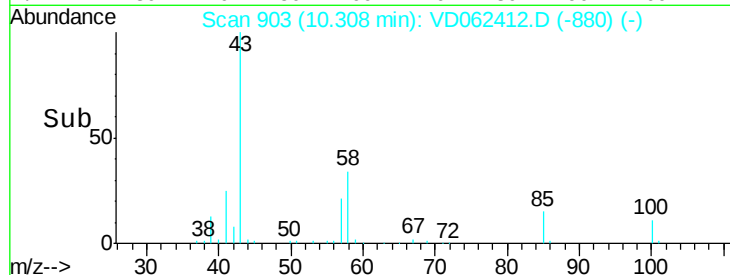
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.947 ug/l

RT: 10.51 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062412.D

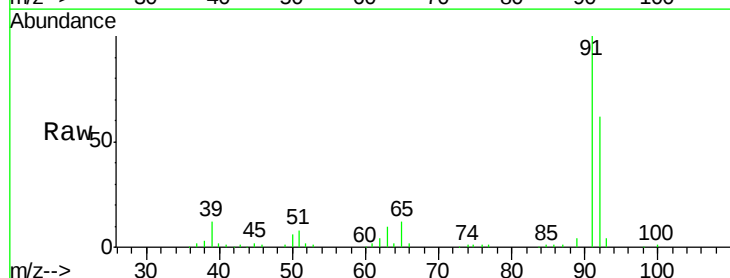
Acq: 16 May 2019 12:45

Tgt Ion: 92 Resp: 221215

Ion Ratio Lower Upper

92 100

91 161.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

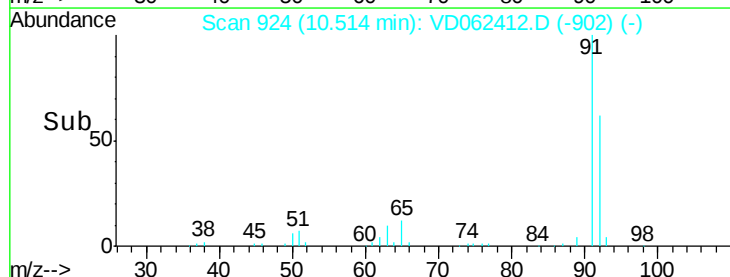
150000

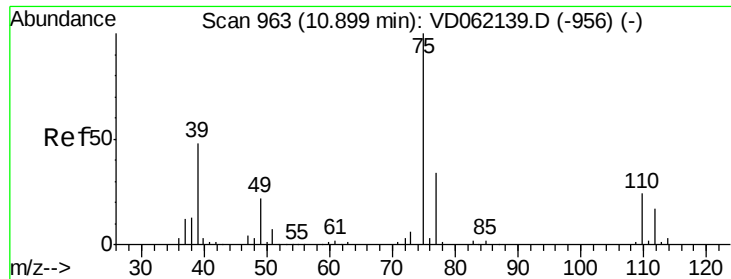
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 23.972 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

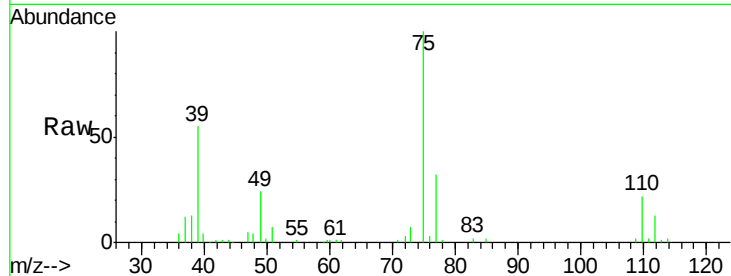
VD0516SBS01

Tot Ion: 75 Resp: 165449

Ion Ratio Lower Upper

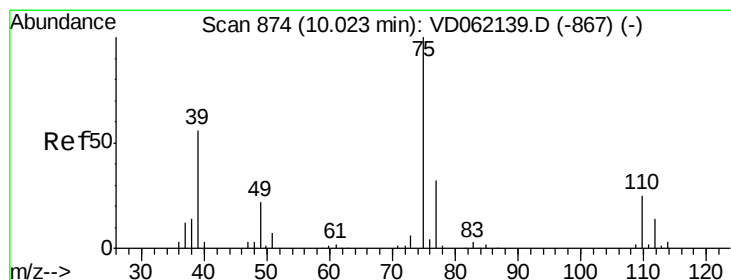
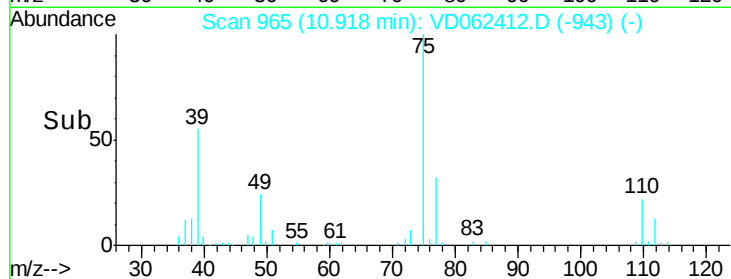
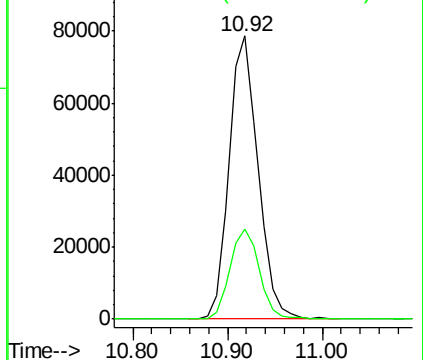
75 100

77 31.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.777 ug/l

RT: 10.04 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

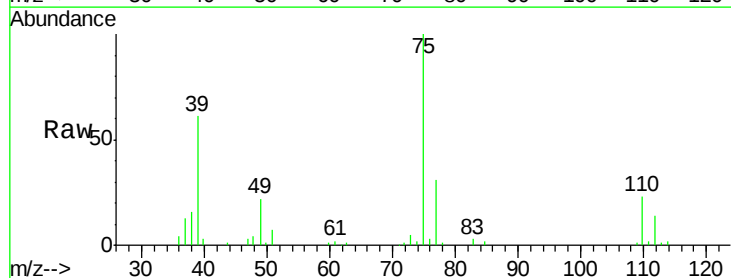
Tgt Ion: 75 Resp: 163968

Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3

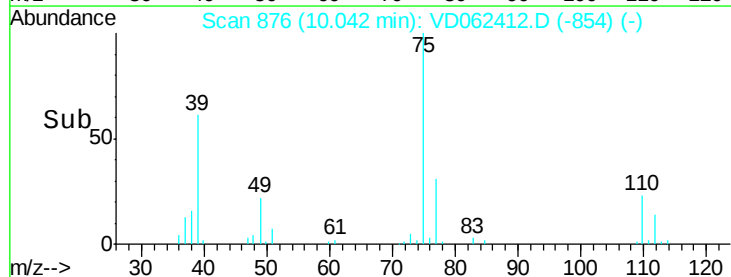
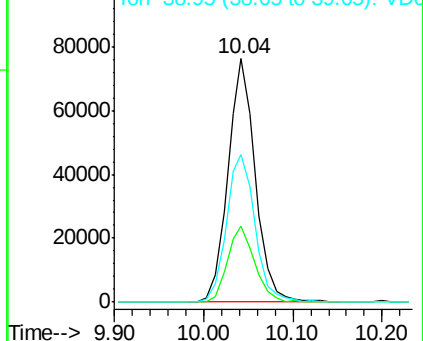
39 60.8 39.4 59.2#

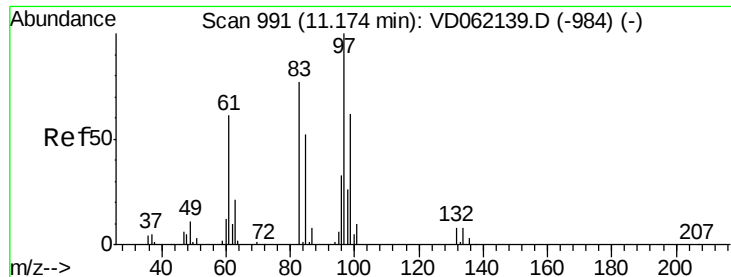


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

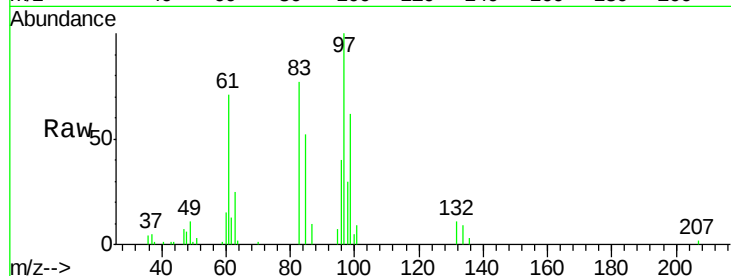




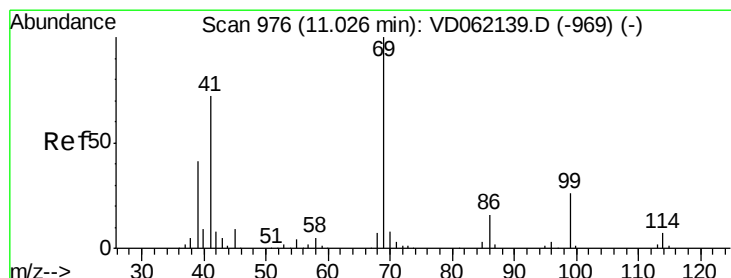
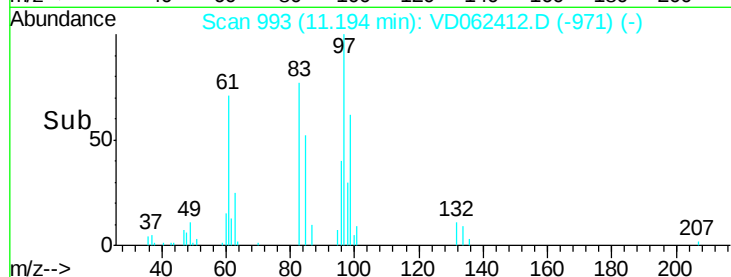
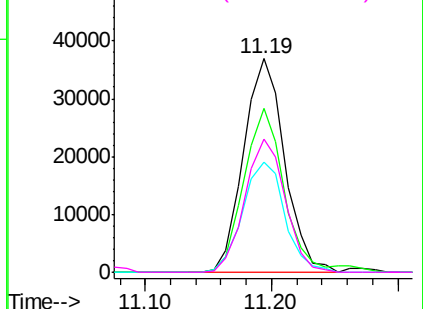
#55
 1,1,2-Trichloroethane
 Concen: 22.234 ug/l
 RT: 11.19 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Tot Ion:	97	Resp:	83078
Ion	Ratio	Lower	Upper
97	100		
83	76.5	65.7	98.5
85	51.8	45.6	68.4
99	62.1	48.4	72.6

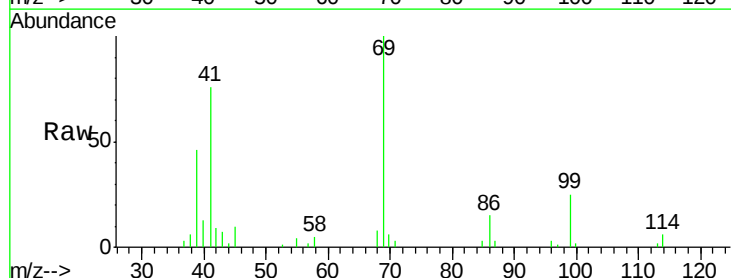


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

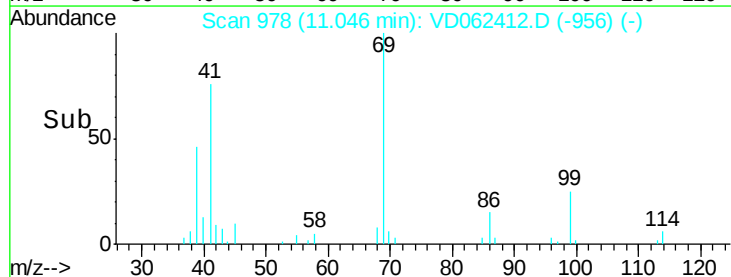
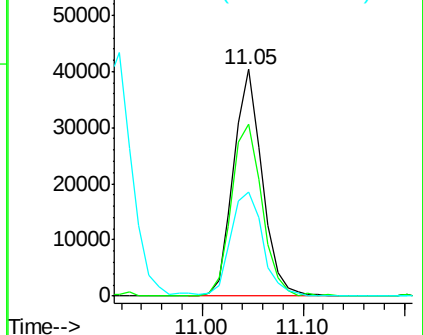


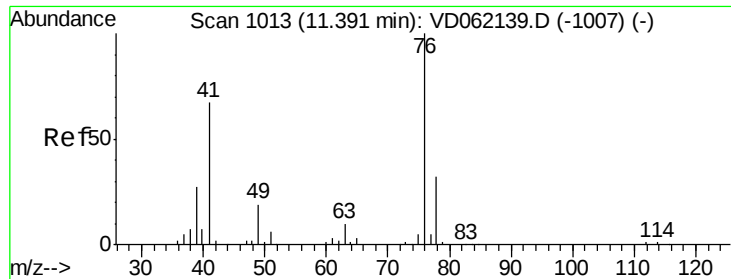
#56
 Ethyl methacrylate
 Concen: 20.625 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Tgt Ion:	69	Resp:	80083
Ion	Ratio	Lower	Upper
69	100		
41	75.6	56.3	84.5
39	46.2	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: 20.303 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

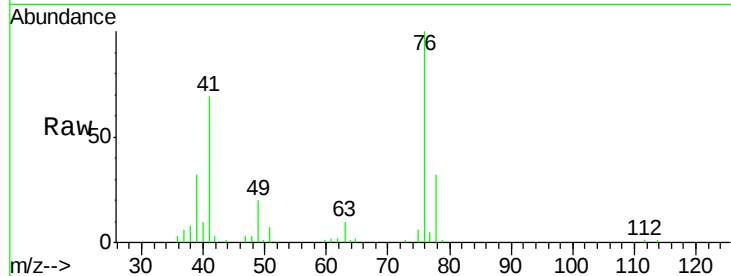
VD0516SBS01

Tot Ion: 76 Resp: 114614

Ion Ratio Lower Upper

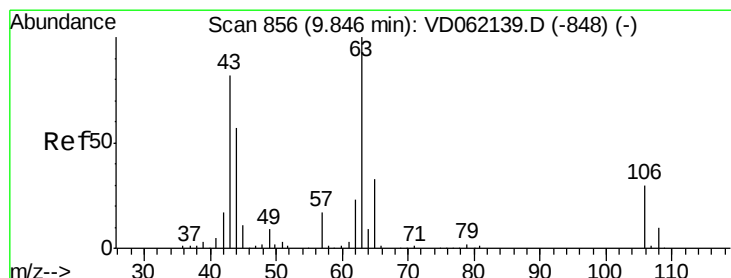
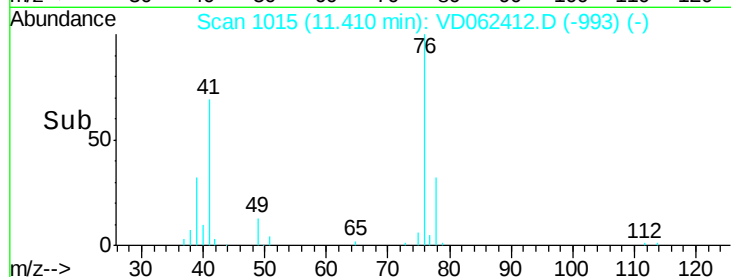
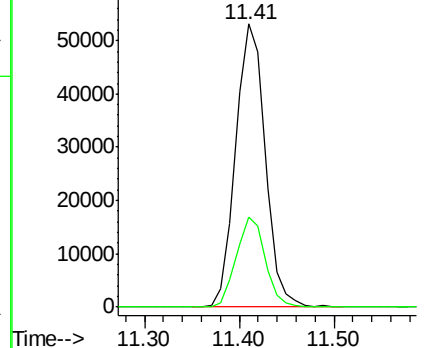
76 100

78 32.0 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 117.431 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD062412.D

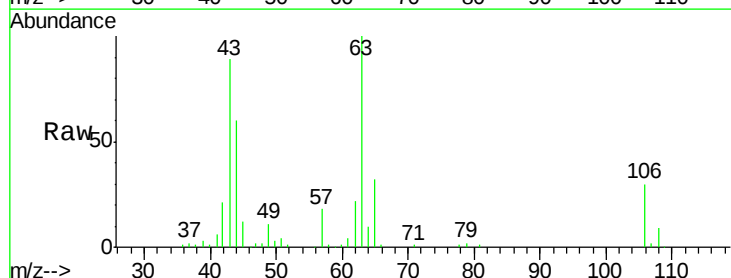
Acq: 16 May 2019 12:45

Tgt Ion: 63 Resp: 249065

Ion Ratio Lower Upper

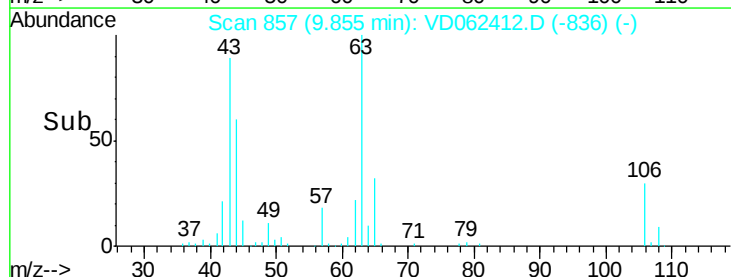
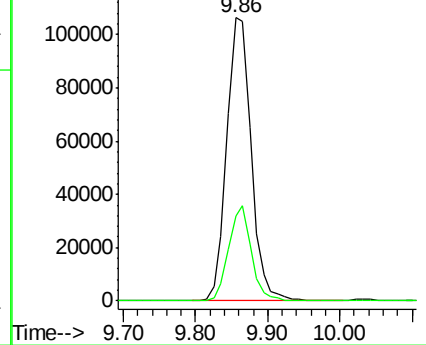
63 100

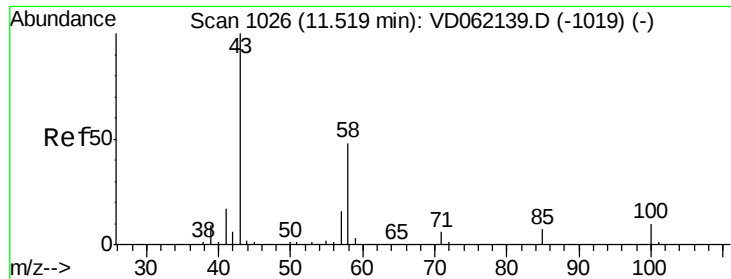
106 29.8 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

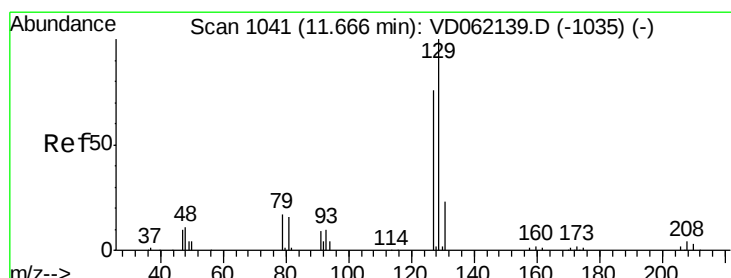
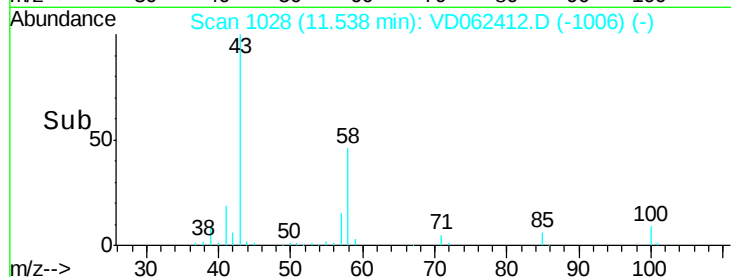
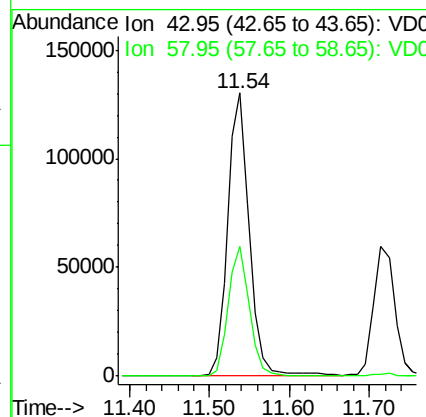
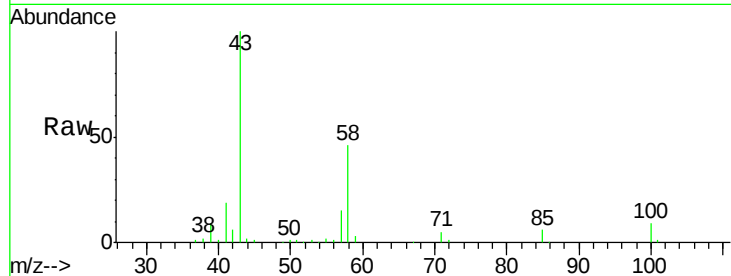




#59
2-Hexanone
Concen: 121.400 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

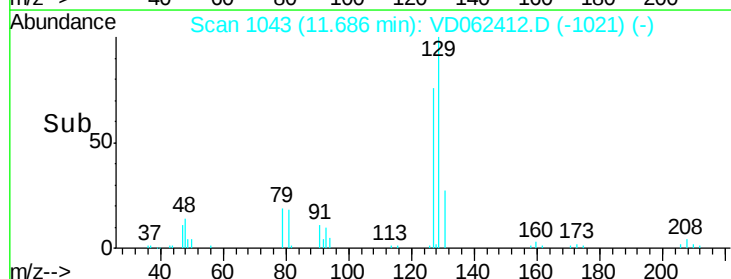
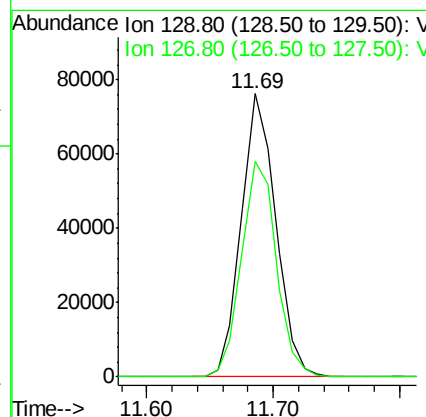
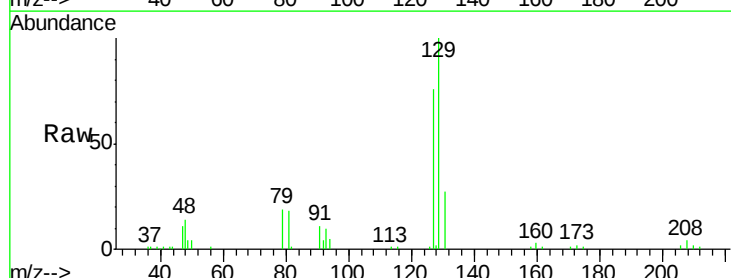
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

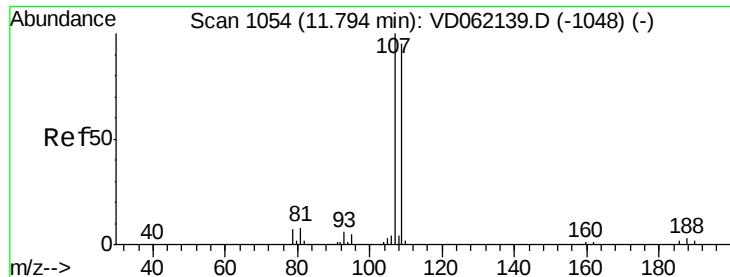
Tot Ion: 43 Resp: 248651
Ion Ratio Lower Upper
43 100
58 45.9 25.4 76.4



#60
Dibromochloromethane
Concen: 22.375 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion: 129 Resp: 144490
Ion Ratio Lower Upper
129 100
127 76.0 38.0 113.9





#61

1,2-Dibromoethane

Concen: 19.755 ug/l

RT: 11.80 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

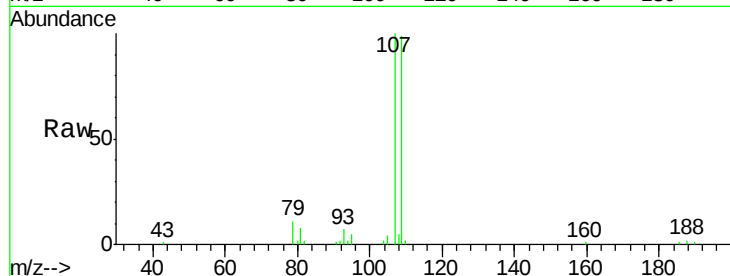
VD0516SBS01

Tot Ion:107 Resp: 89742

Ion Ratio Lower Upper

107 100

109 98.8 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.80

50000

40000

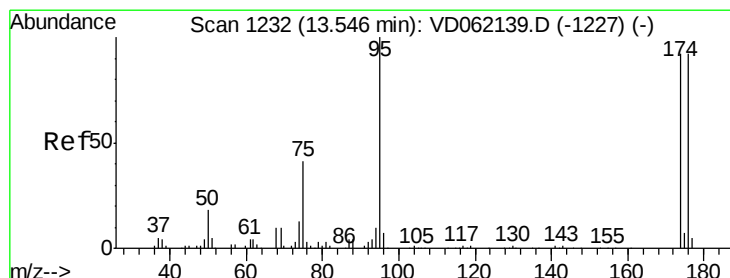
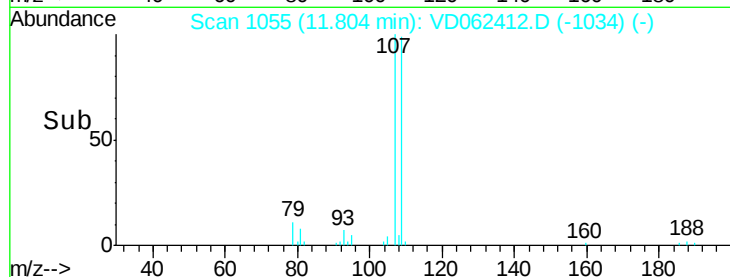
30000

20000

10000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 51.919 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

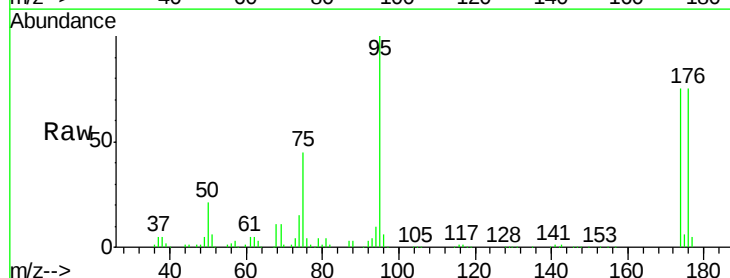
Tgt Ion: 95 Resp: 365643

Ion Ratio Lower Upper

95 100

174 75.1 0.0 181.8

176 75.0 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.56

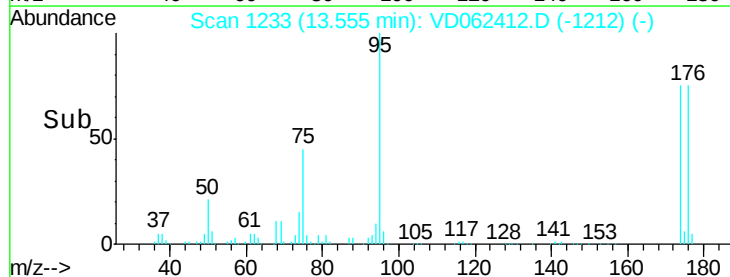
300000

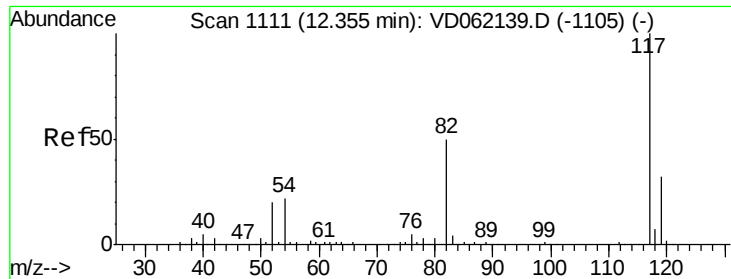
200000

100000

0

Time--> 13.50 13.60

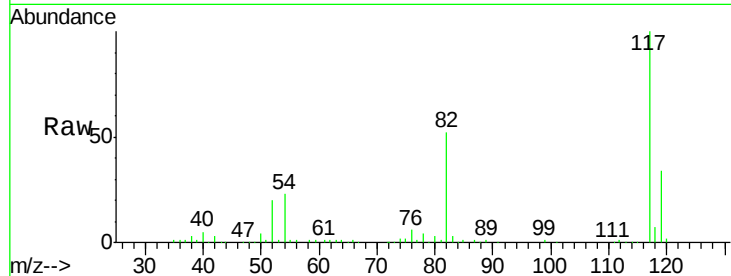




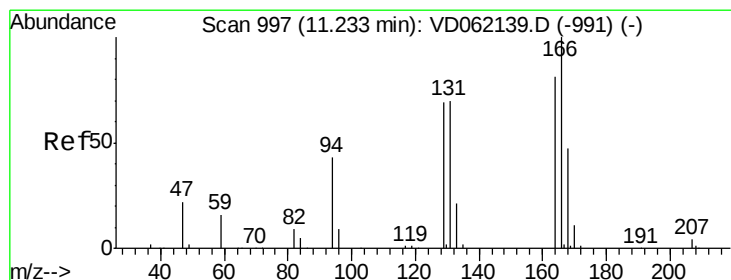
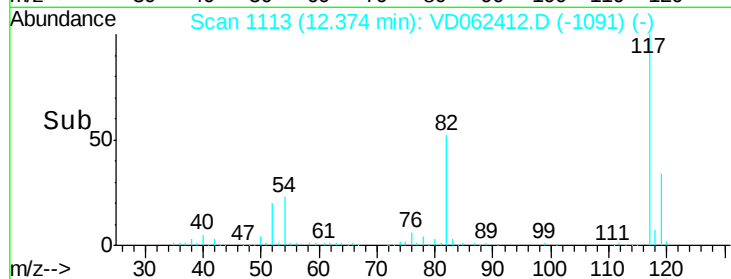
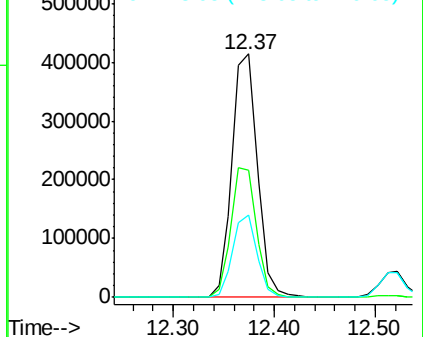
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

Tot Ion:117 Resp: 725177
Ion Ratio Lower Upper
117 100
82 52.1 36.2 54.2
119 33.9 26.2 39.4

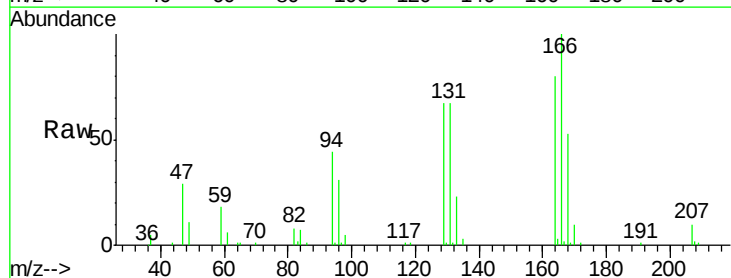


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

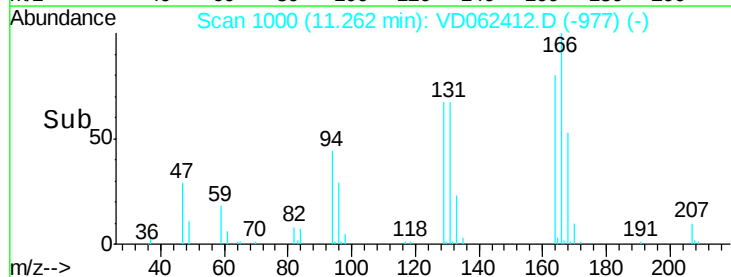
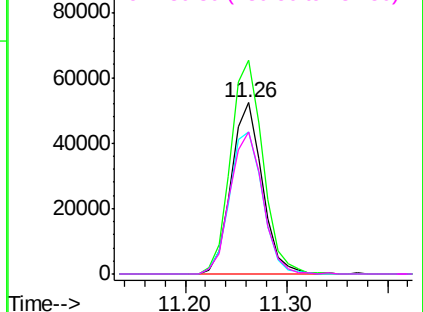


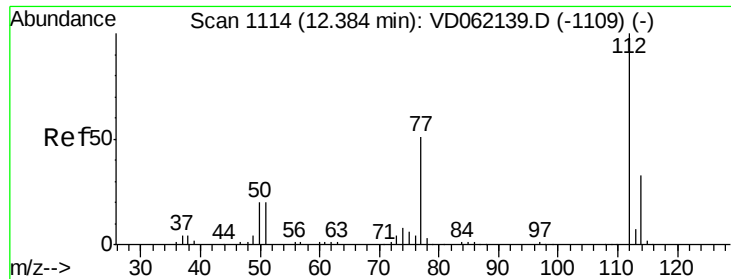
#64
Tetrachloroethene
Concen: 19.746 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion:164 Resp: 111972
Ion Ratio Lower Upper
164 100
166 124.9 101.5 152.3
129 83.4 74.6 112.0
131 83.4 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

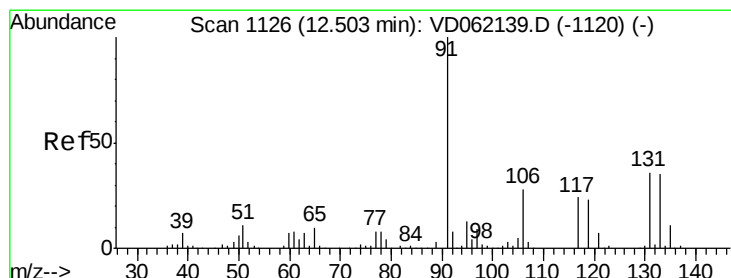
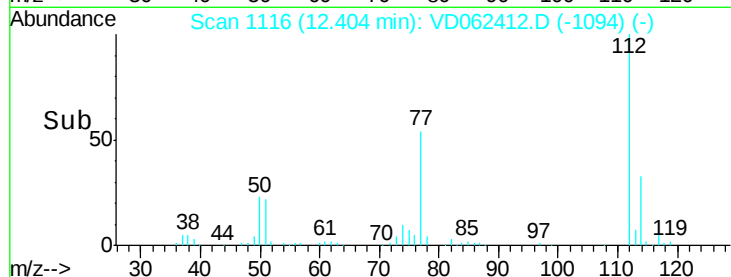
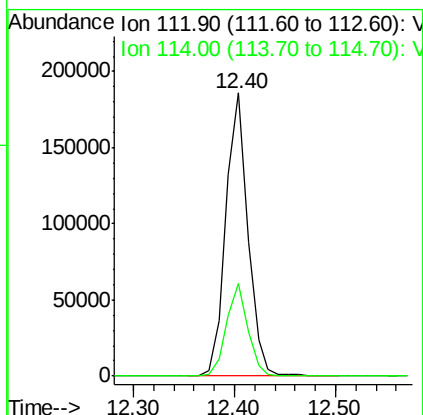
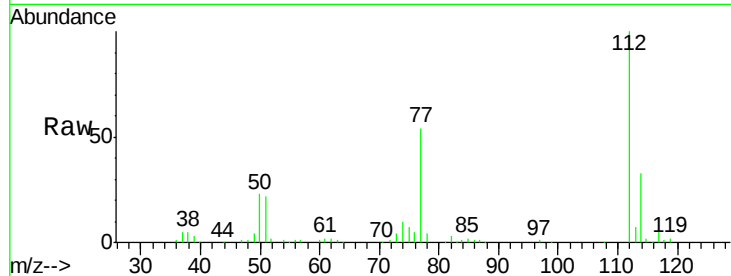




#65
Chlorobenzene
Concen: 20.938 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

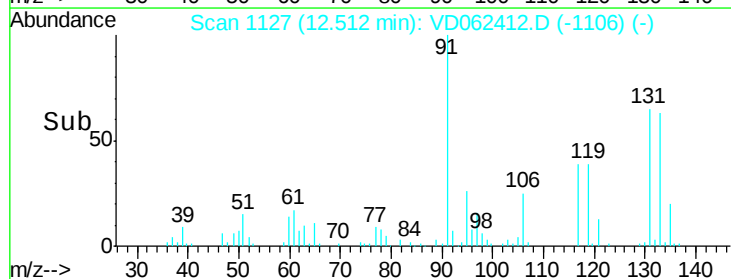
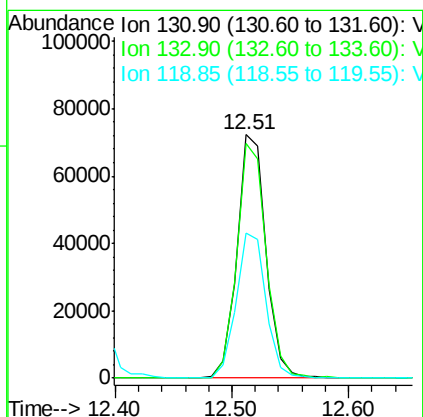
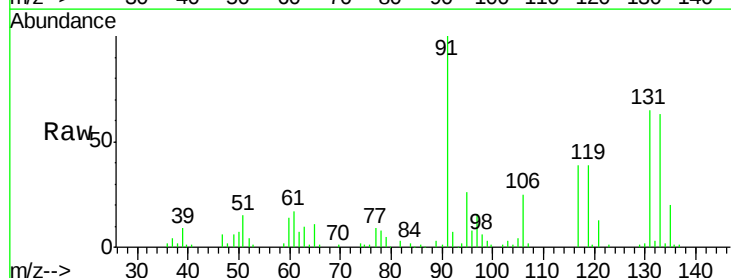
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

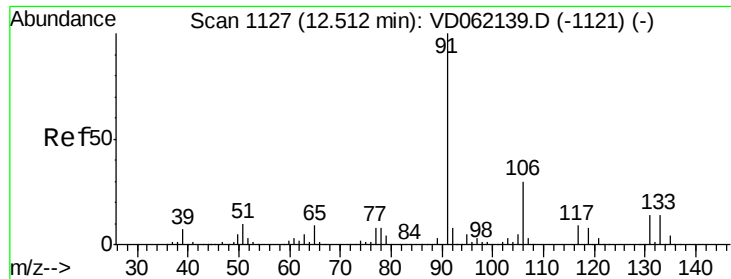
Tot Ion:112 Resp: 282803
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.004 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion:131 Resp: 123468
Ion Ratio Lower Upper
131 100
133 96.4 48.6 145.8
119 59.5 34.7 104.1

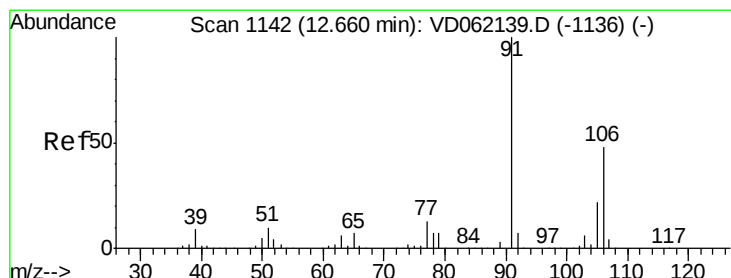
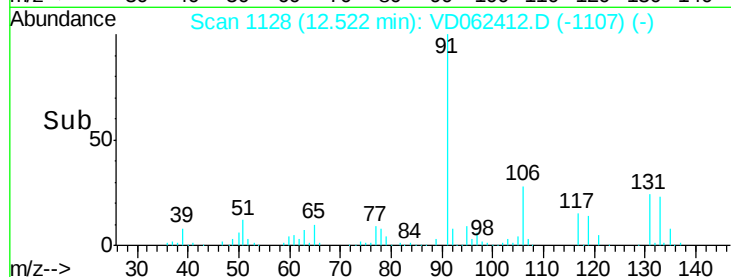
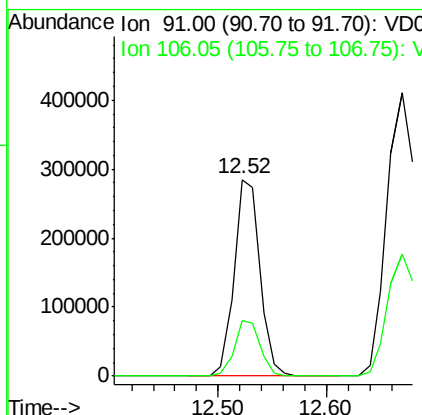
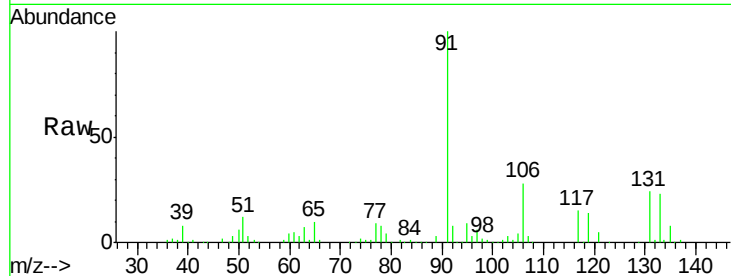




#67
Ethyl Benzene
Concen: 20.911 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

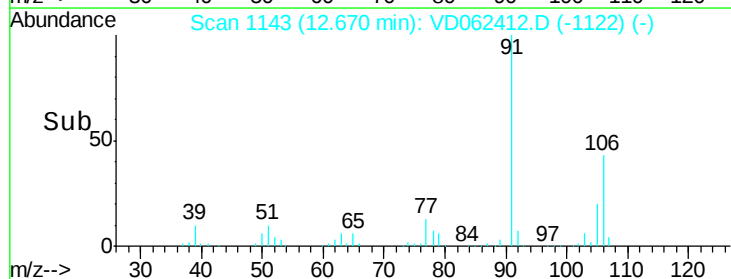
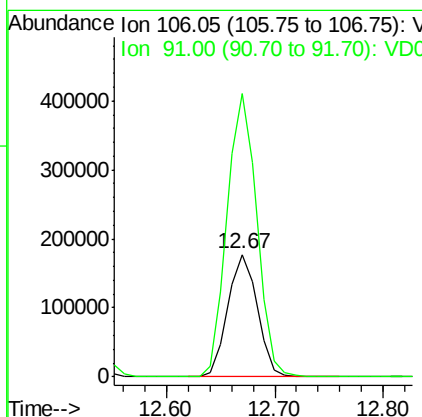
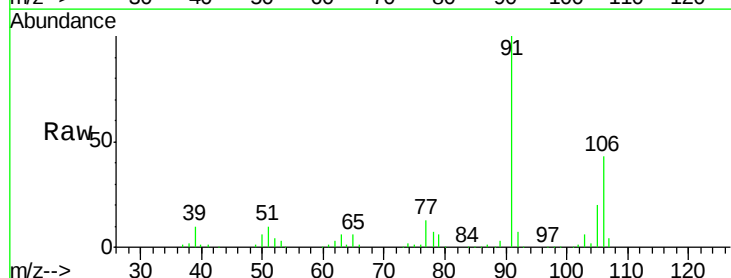
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

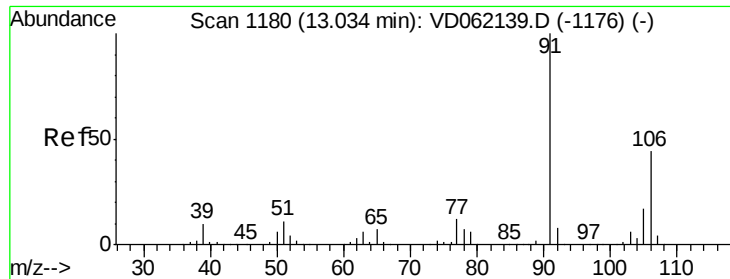
Tot Ion: 91 Resp: 472848
Ion Ratio Lower Upper
91 100
106 28.3 24.7 37.1



#68
m/p-Xylenes
Concen: 40.938 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion: 106 Resp: 336793
Ion Ratio Lower Upper
106 100
91 231.0 164.0 246.0

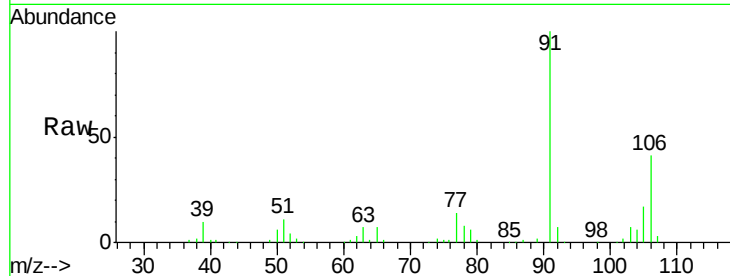




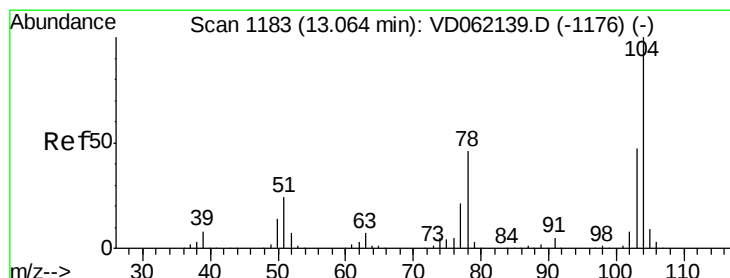
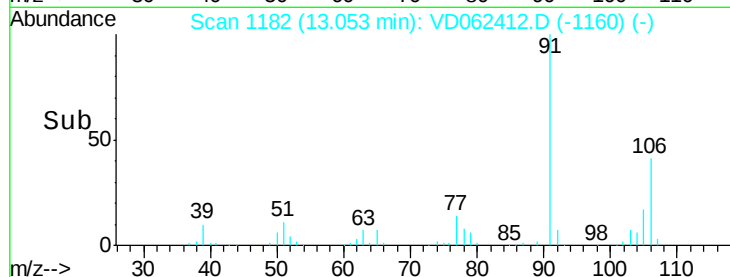
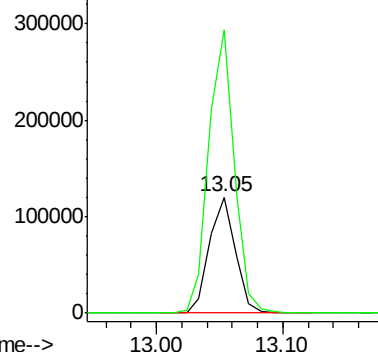
#69
o-Xylene
Concen: 22.328 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

Tot Ion:106 Resp: 170771
Ion Ratio Lower Upper
106 100
91 244.0 106.7 319.9

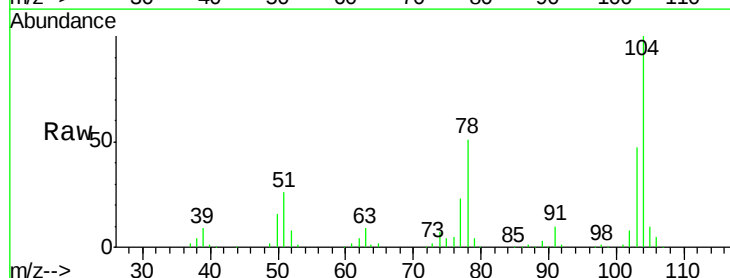


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

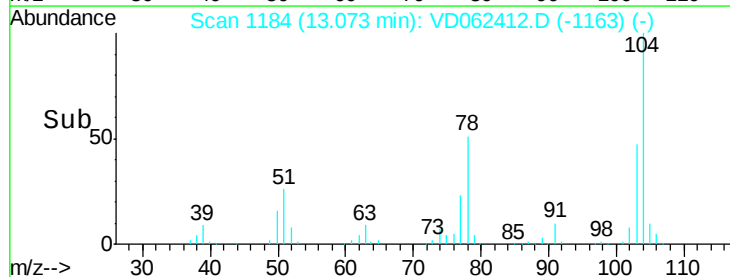
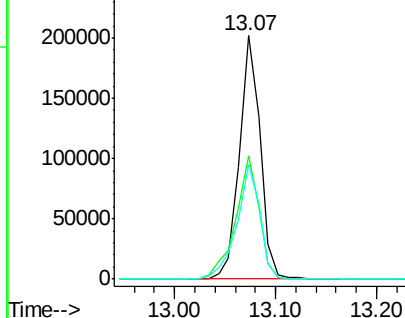


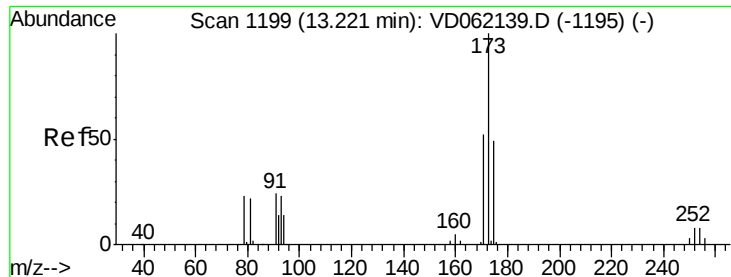
#70
Styrene
Concen: 22.276 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion:104 Resp: 288620
Ion Ratio Lower Upper
104 100
78 50.6 35.4 53.2
103 47.2 37.5 56.3



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





#71

Bromoform

Concen: 20.717 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBS01

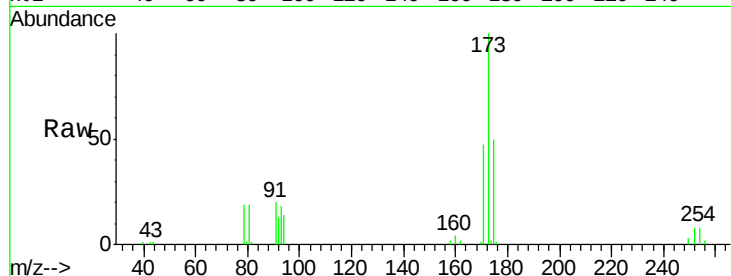
Tot Ion:173 Resp: 84728

Ion Ratio Lower Upper

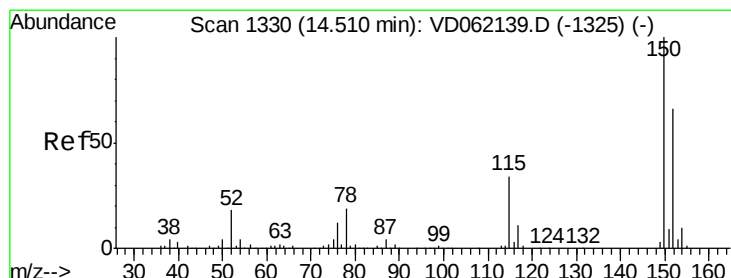
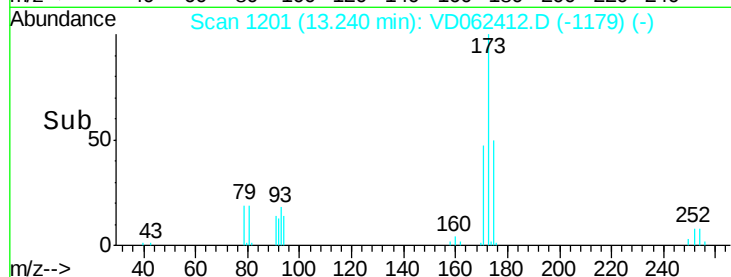
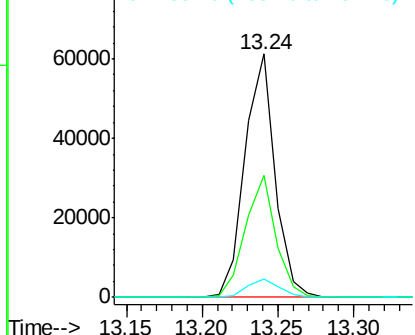
173 100

175 50.2 24.4 73.4

254 7.6 5.4 8.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

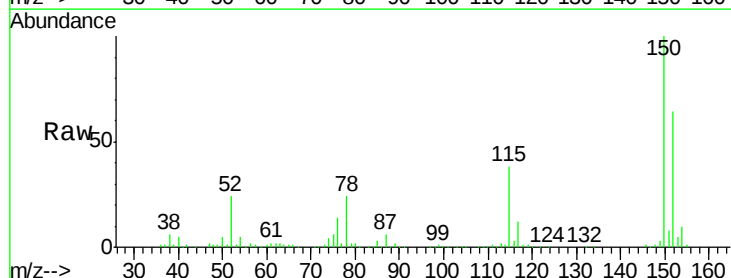
Tgt Ion:152 Resp: 400286

Ion Ratio Lower Upper

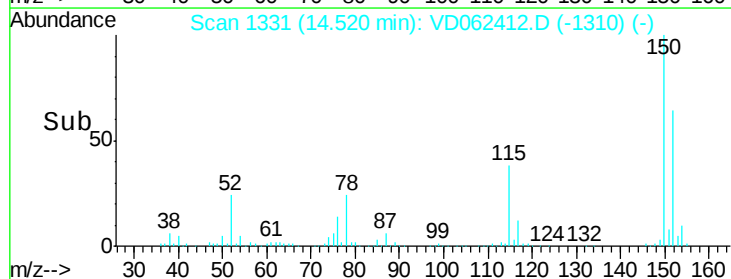
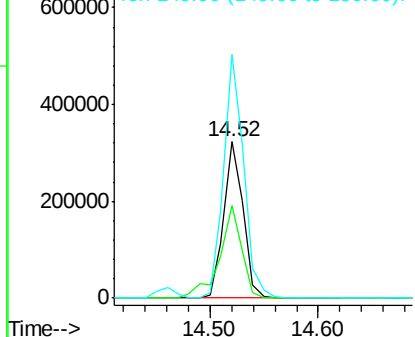
152 100

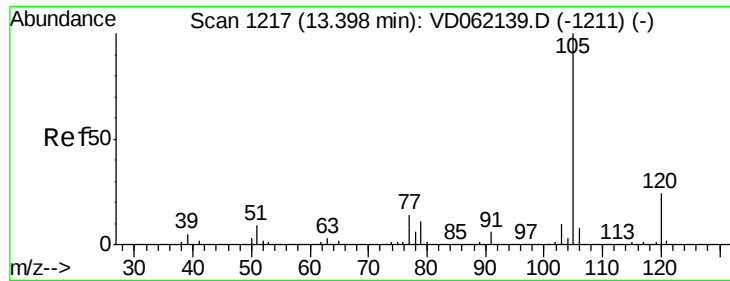
115 59.1 30.9 92.7

150 155.7 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: 22.155 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

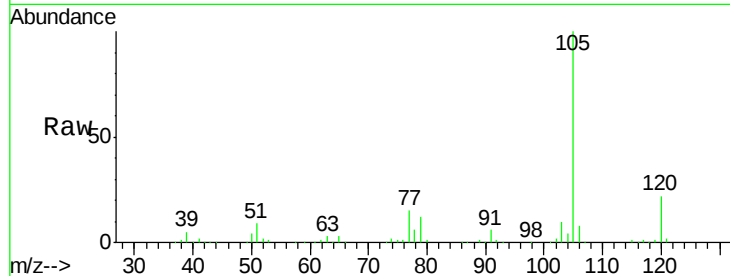
VD0516SBS01

Tot Ion:105 Resp: 531601

Ion Ratio Lower Upper

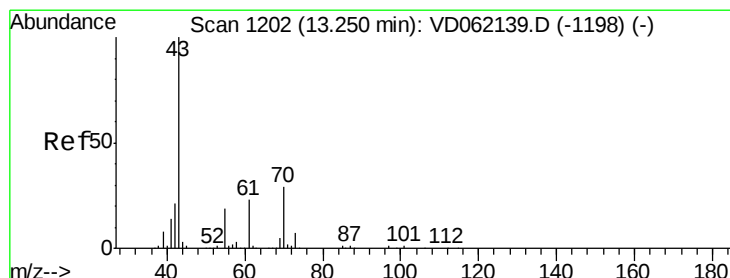
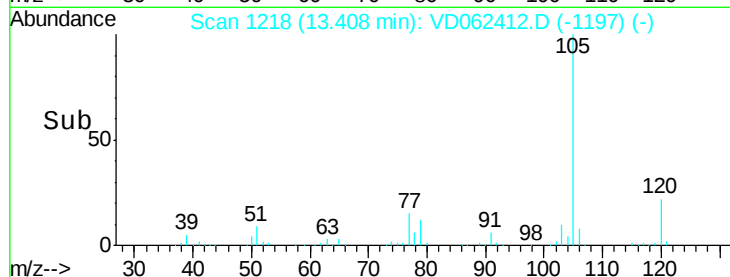
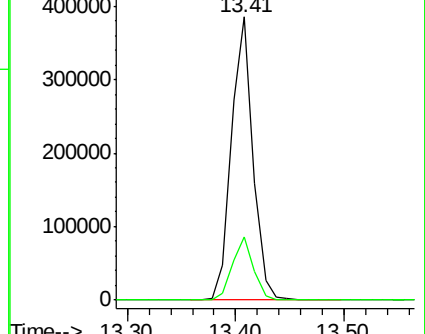
105 100

120 22.5 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: 20.418 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Tgt Ion: 43 Resp: 128444

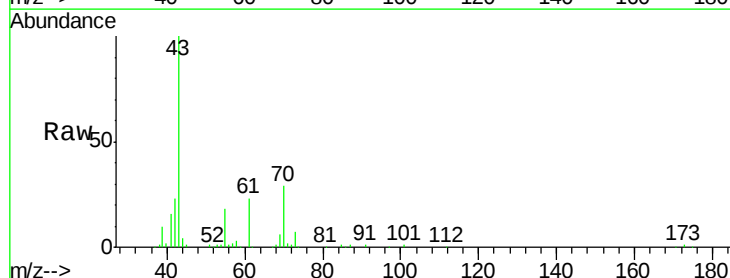
Ion Ratio Lower Upper

43 100

70 29.1 24.2 36.4

55 17.8 16.0 24.0

61 22.9 21.6 32.4

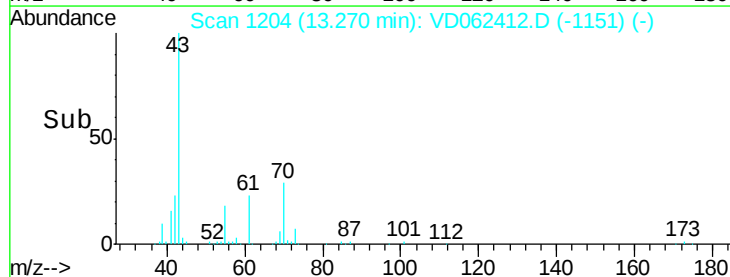
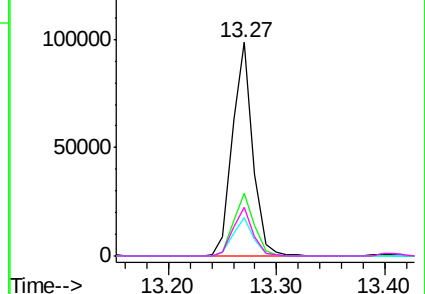


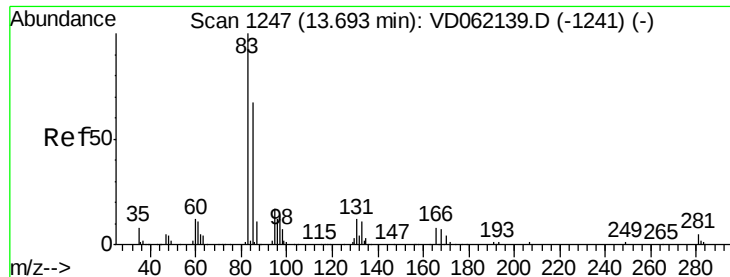
Abundance Ion 42.95 (42.65 to 43.65): V

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: 20.677 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBS01

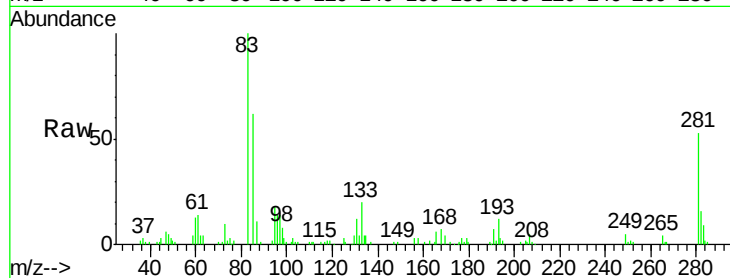
Tot Ion: 83 Resp: 93925

Ion Ratio Lower Upper

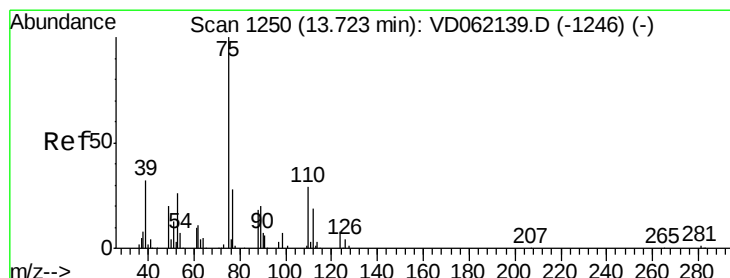
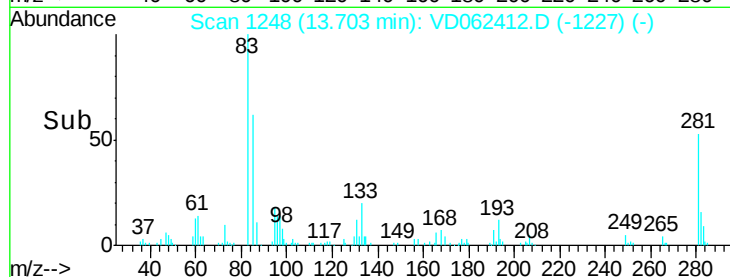
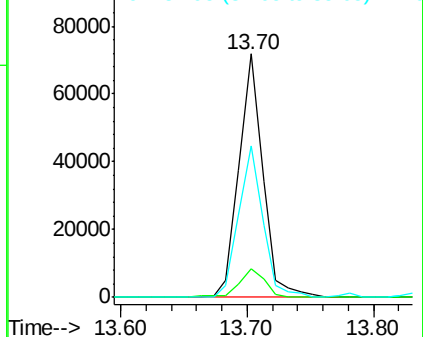
83 100

131 11.9 5.0 14.9

85 62.0 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: 22.254 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062412.D

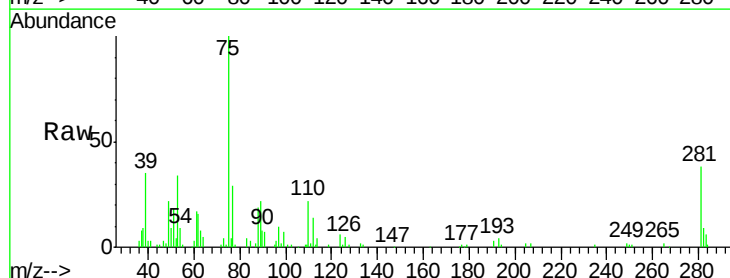
Acq: 16 May 2019 12:45

Tgt Ion: 75 Resp: 105863

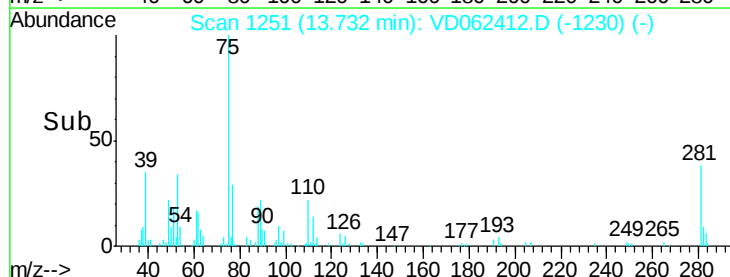
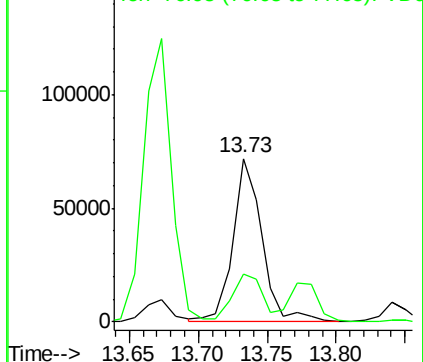
Ion Ratio Lower Upper

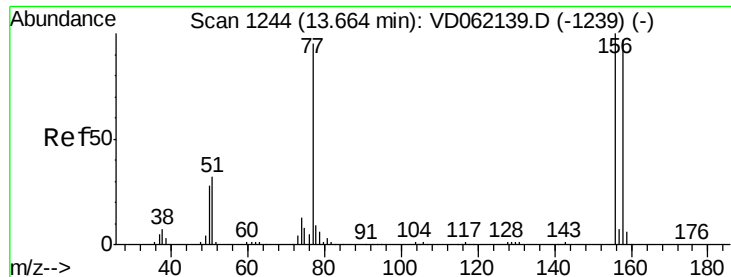
75 100

77 29.1 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: 20.969 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBS01

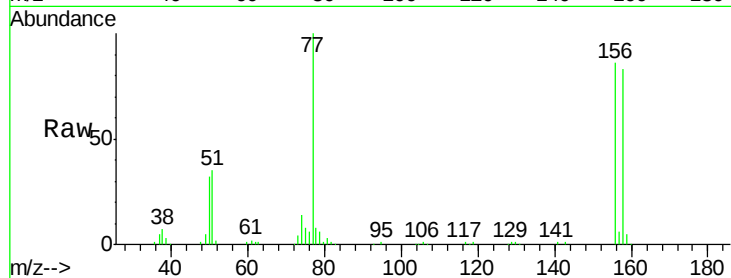
Tot Ion:156 Resp: 140845

Ion Ratio Lower Upper

156 100

77 115.8 53.1 159.4

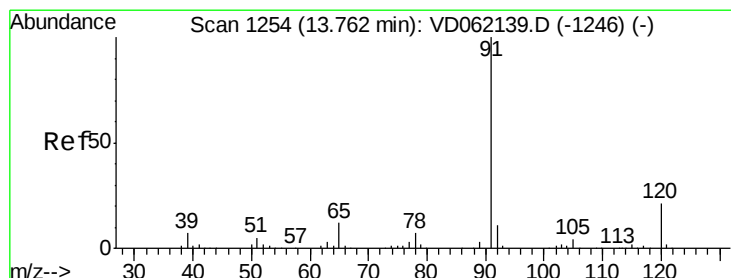
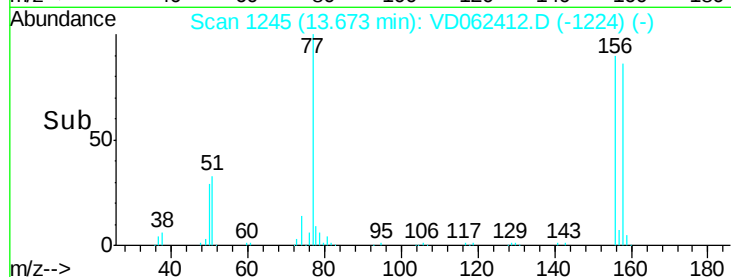
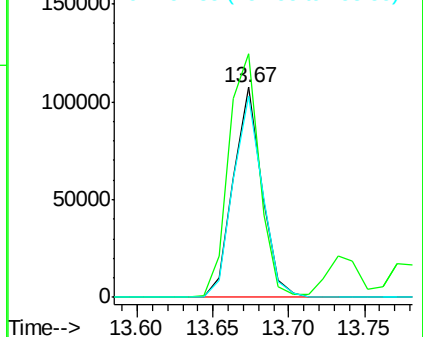
158 95.9 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.640 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062412.D

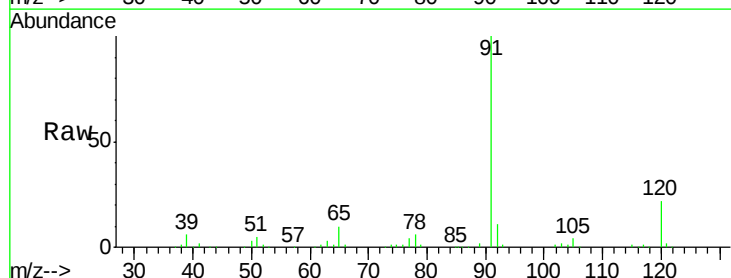
Acq: 16 May 2019 12:45

Tgt Ion: 91 Resp: 619383

Ion Ratio Lower Upper

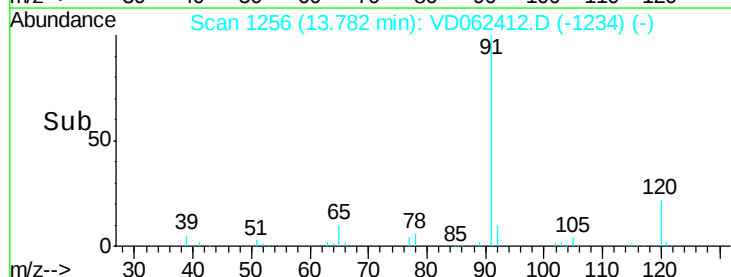
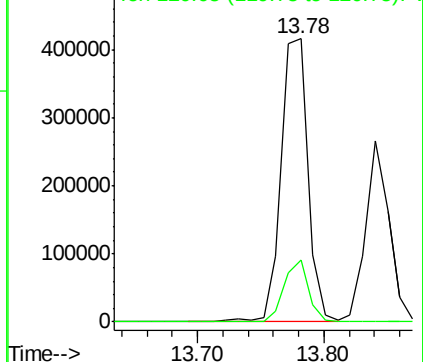
91 100

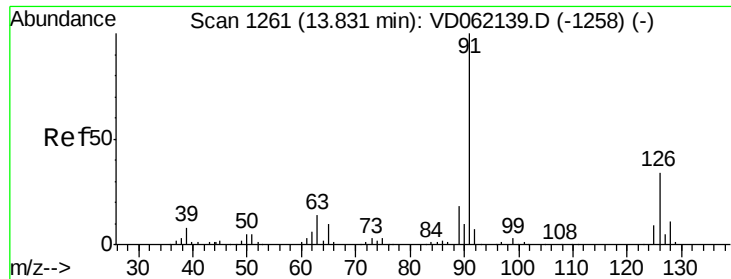
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.582 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062412.D

Acq: 16 May 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

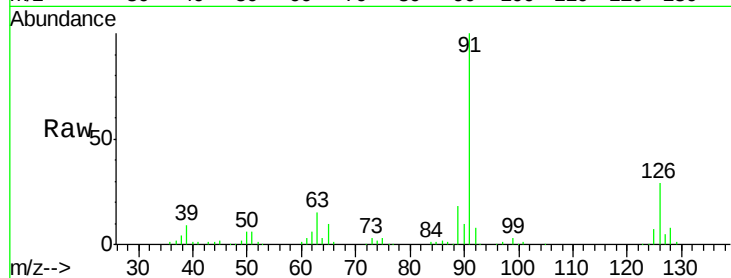
VD0516SBS01

Tot Ion: 91 Resp: 337392

Ion Ratio Lower Upper

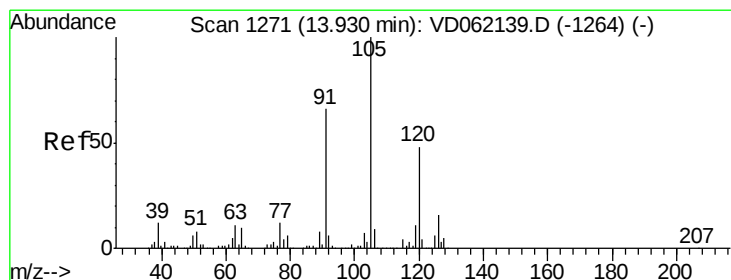
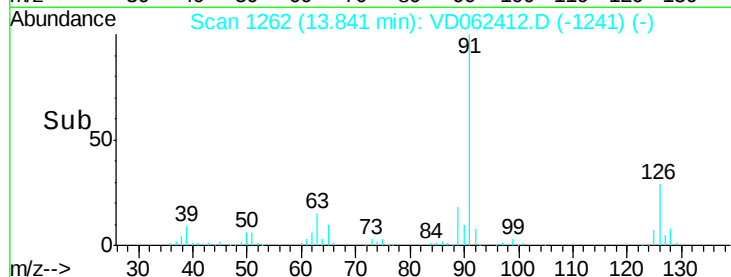
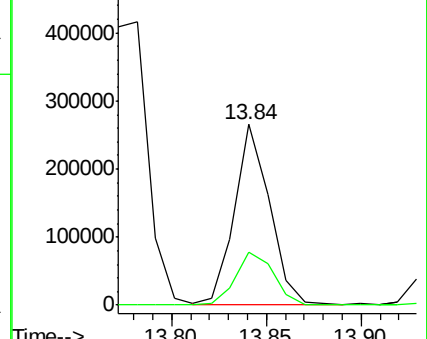
91 100

126 29.4 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 20.550 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062412.D

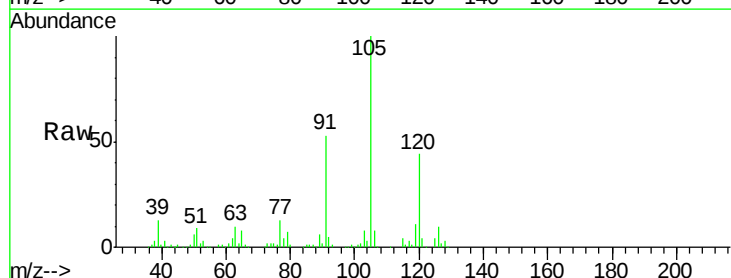
Acq: 16 May 2019 12:45

Tgt Ion:105 Resp: 415218

Ion Ratio Lower Upper

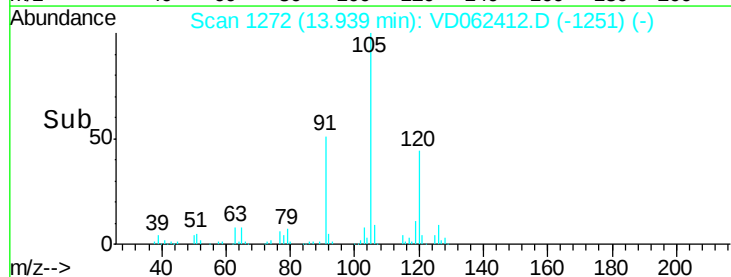
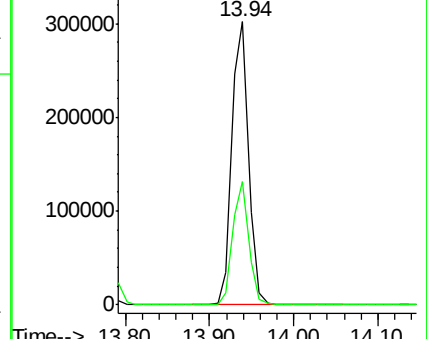
105 100

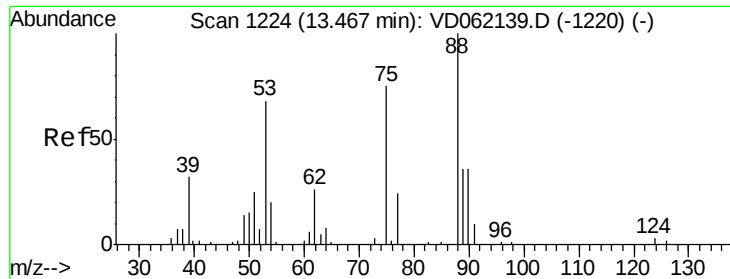
120 43.8 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

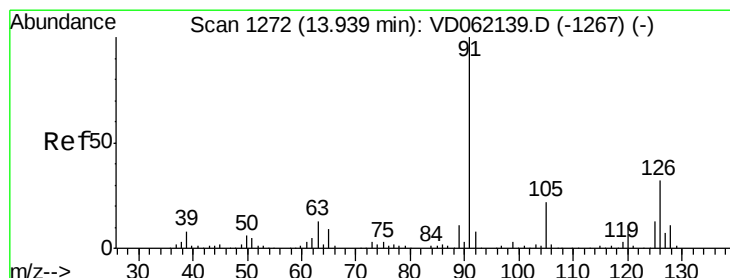
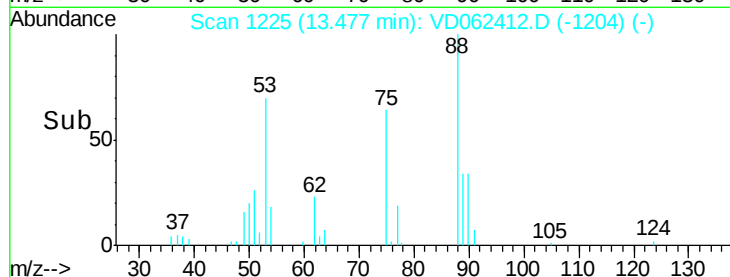
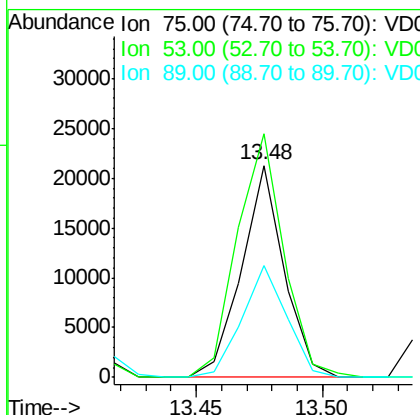
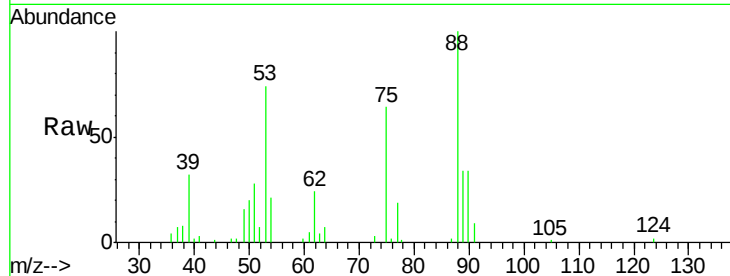




#81
trans-1,4-Dichloro-2-butene
Concen: 18.607 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

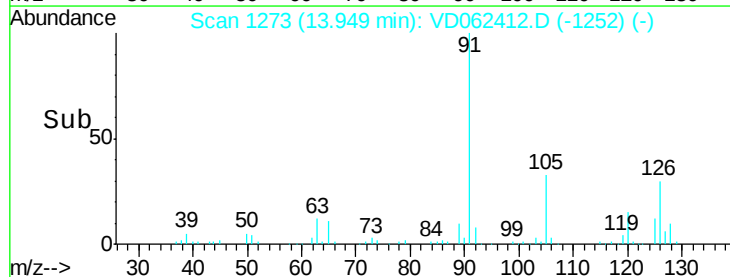
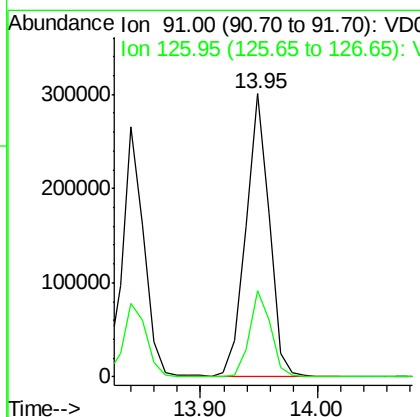
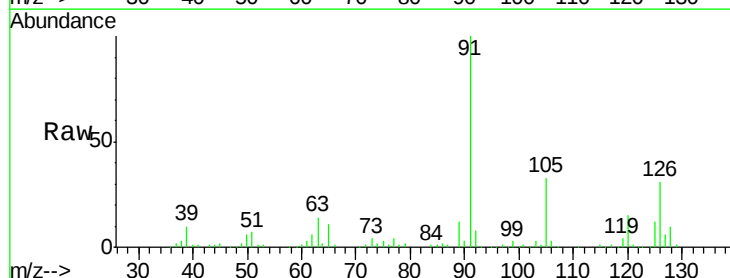
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

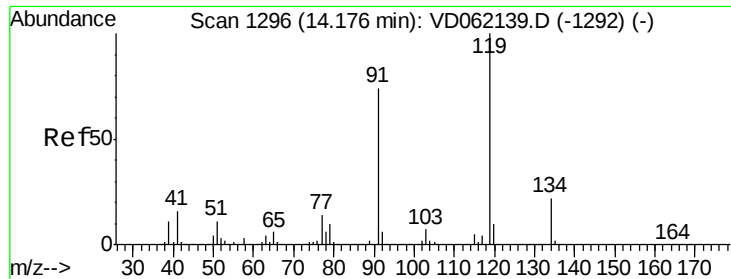
Tot Ion: 75 Resp: 24988
Ion Ratio Lower Upper
75 100
53 114.9 65.8 98.8#
89 52.6 35.0 52.6#



#82
4-Chlorotoluene
Concen: 21.647 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion: 91 Resp: 417565
Ion Ratio Lower Upper
91 100
126 30.5 19.1 57.5

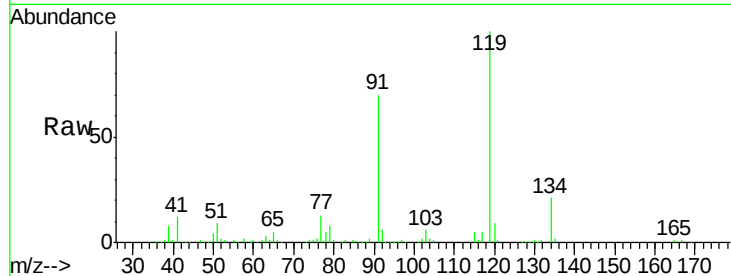




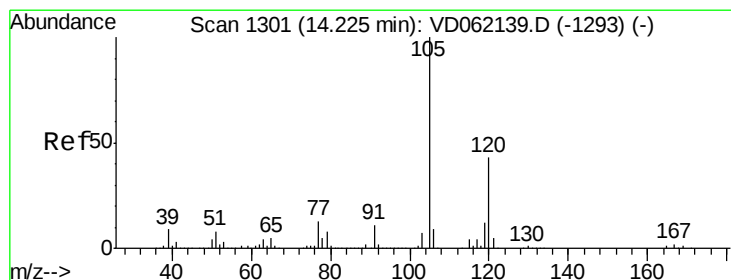
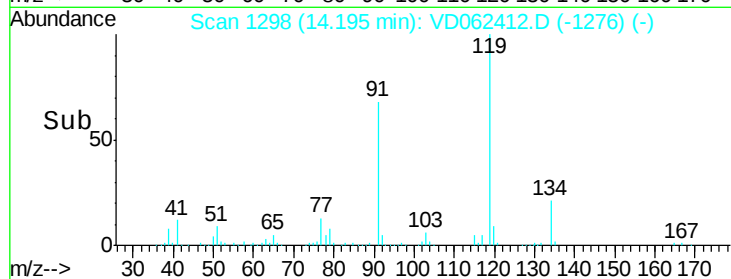
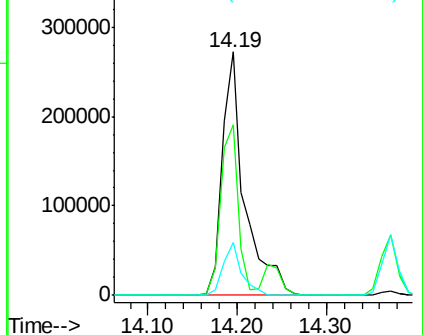
#83
tert-Butylbenzene
Concen: 21.135 ug/l
RT: 14.19 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

Tot Ion:119 Resp: 479994
Ion Ratio Lower Upper
119 100
91 70.2 34.2 102.6
134 21.5 12.0 36.0

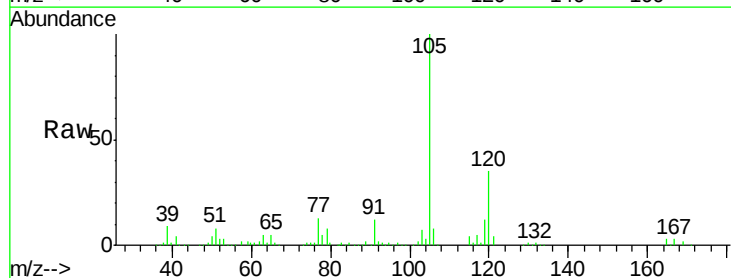


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

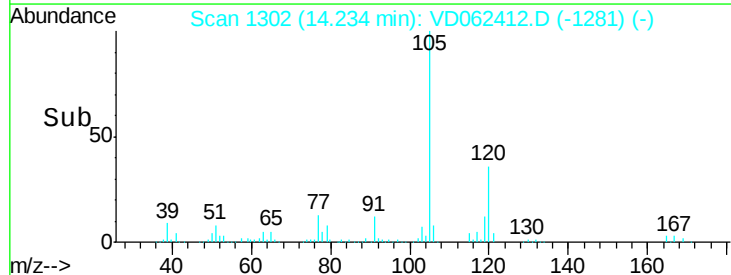
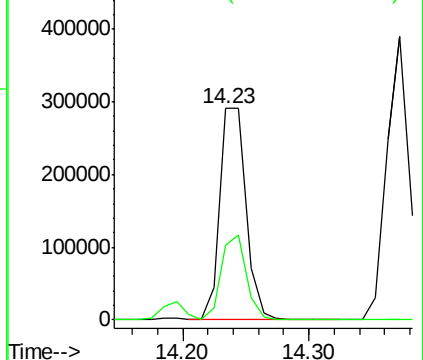


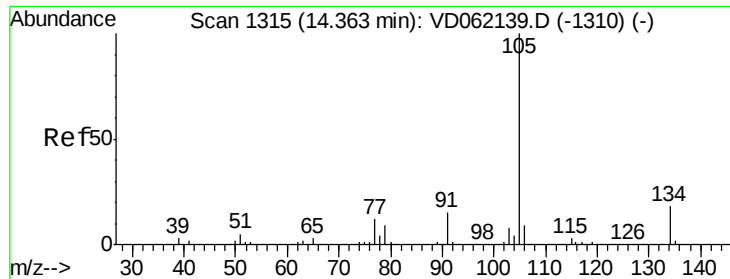
#84
1,2,4-Trimethylbenzene
Concen: 20.811 ug/l
RT: 14.23 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion:105 Resp: 421959
Ion Ratio Lower Upper
105 100
120 35.5 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

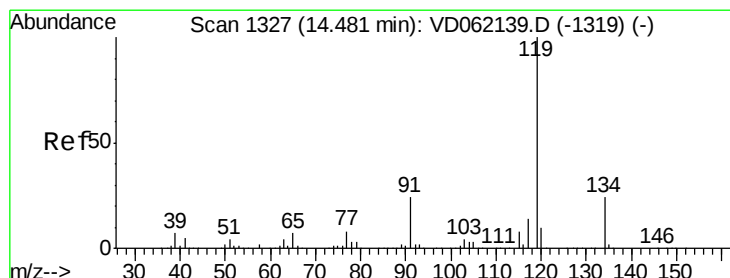
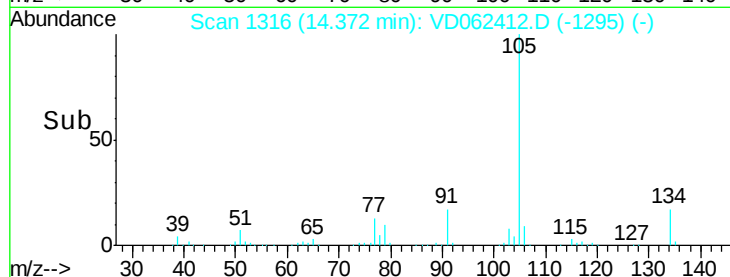
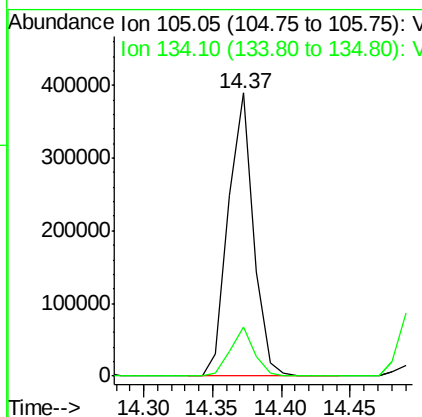
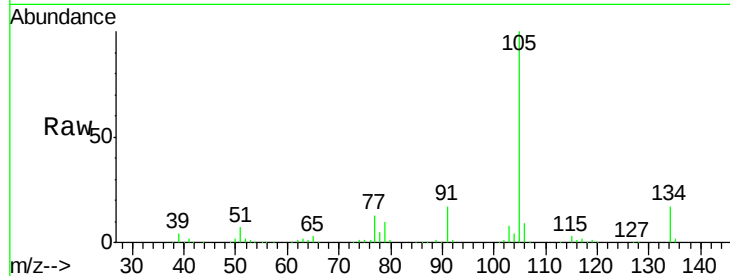




#85
 sec-Butylbenzene
 Concen: 19.876 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

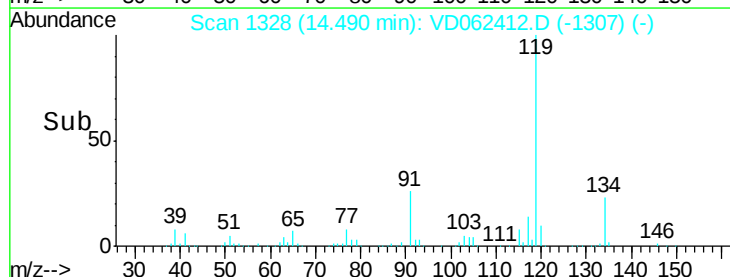
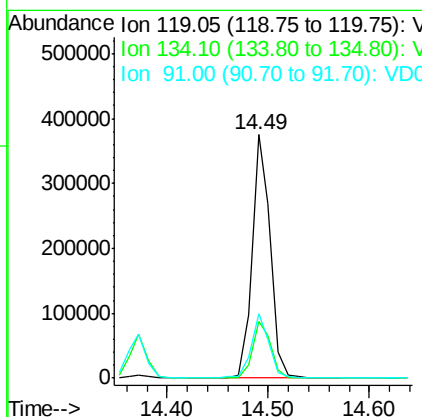
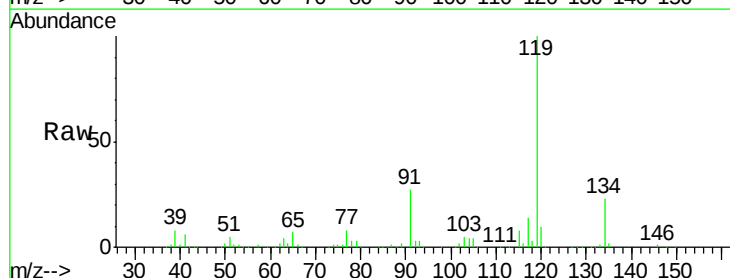
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

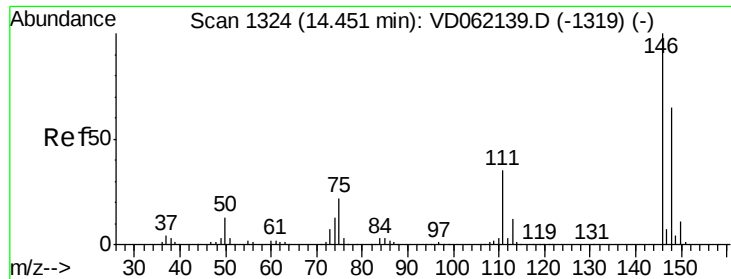
Tot Ion:105 Resp: 494920
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 21.180 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Tgt Ion:119 Resp: 471192
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.8 38.3
 91 26.5 10.7 32.1

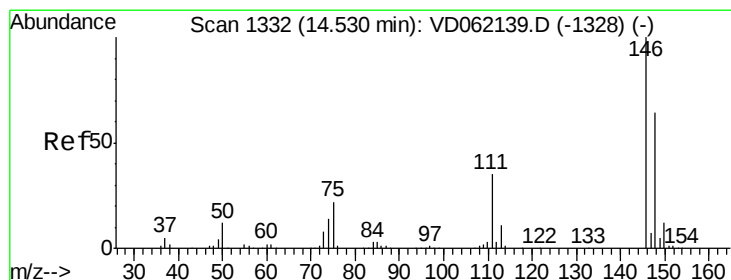
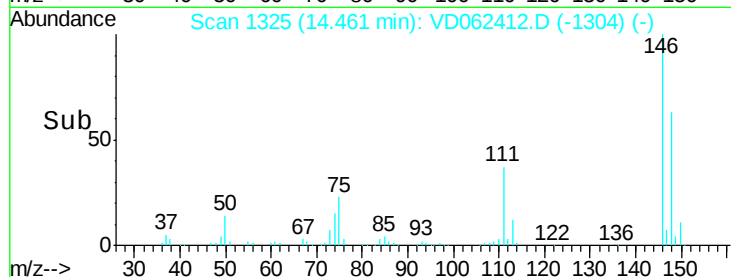
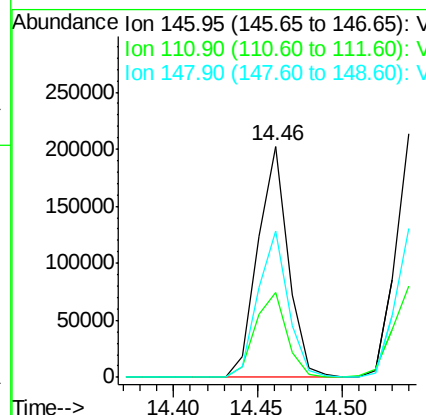
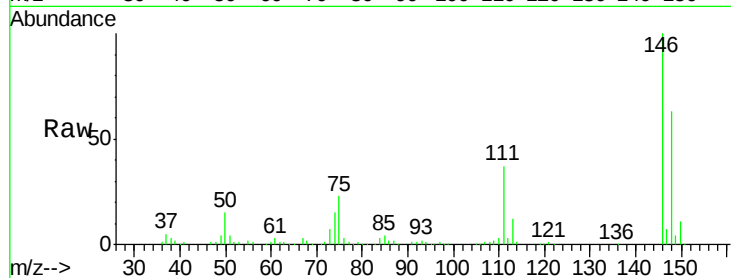




#87
 1,3-Dichlorobenzene
 Concen: 20.623 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

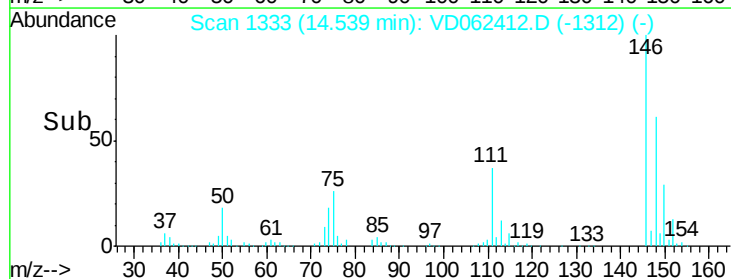
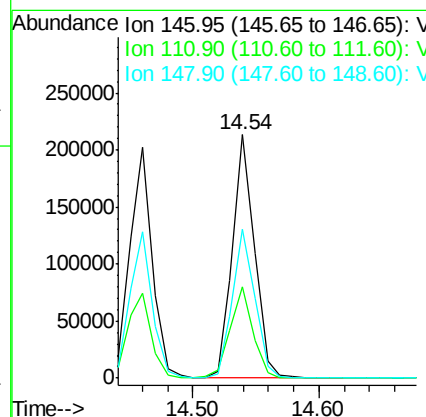
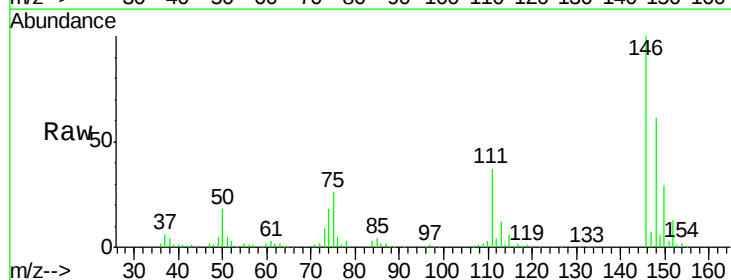
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

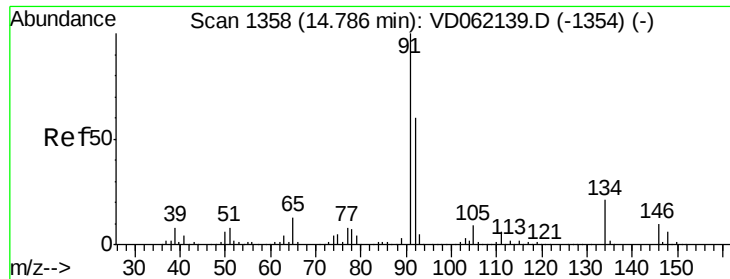
Tot Ion:146 Resp: 253048
 Ion Ratio Lower Upper
 146 100
 111 36.8 20.0 60.0
 148 63.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.320 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Tgt Ion:146 Resp: 257037
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.2 60.5
 148 61.0 32.0 96.2

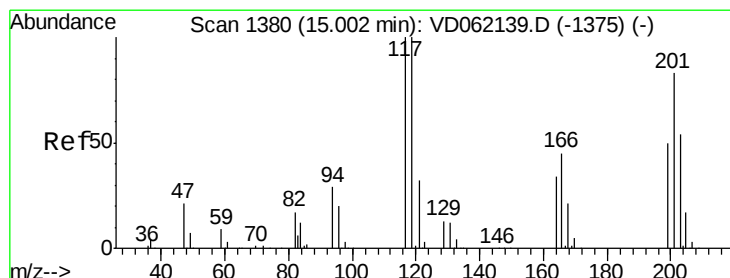
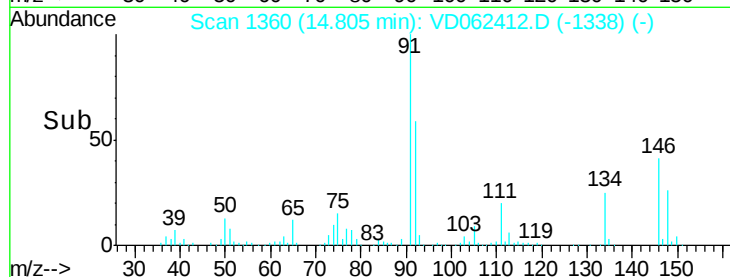
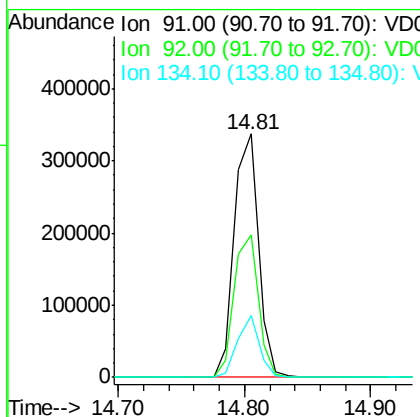
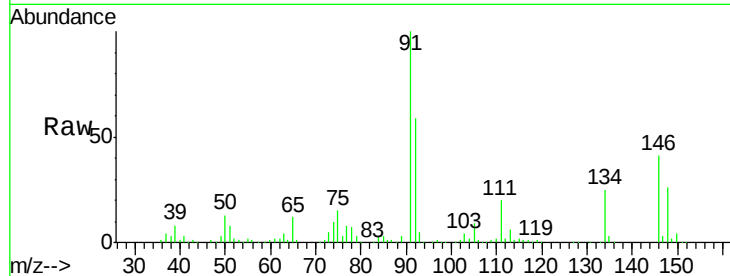




#89
n-Butylbenzene
Concen: 22.422 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

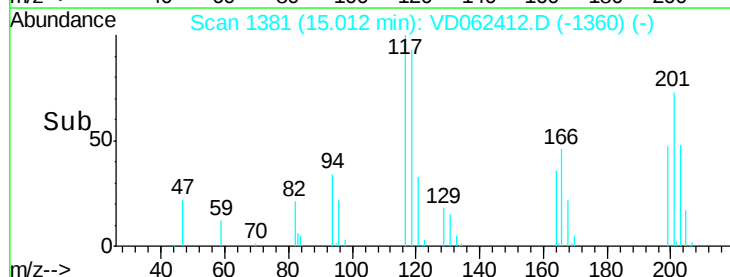
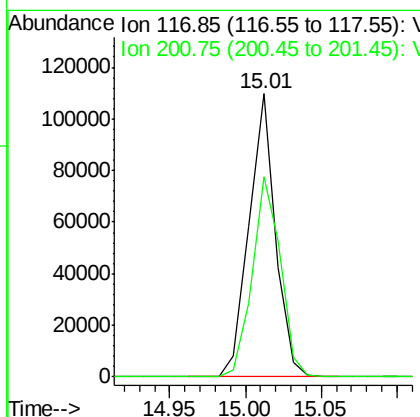
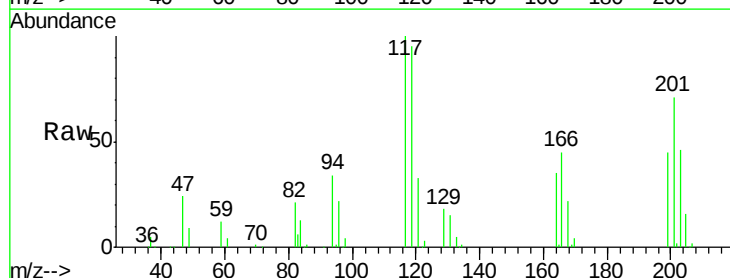
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

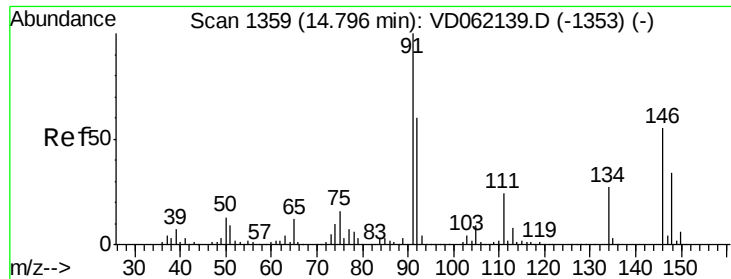
Tot Ion: 91 Resp: 447718
Ion Ratio Lower Upper
91 100
92 58.6 30.3 91.0
134 25.3 14.5 43.6



#90
Hexachloroethane
Concen: 21.989 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion: 117 Resp: 133032
Ion Ratio Lower Upper
117 100
201 70.9 30.2 90.6

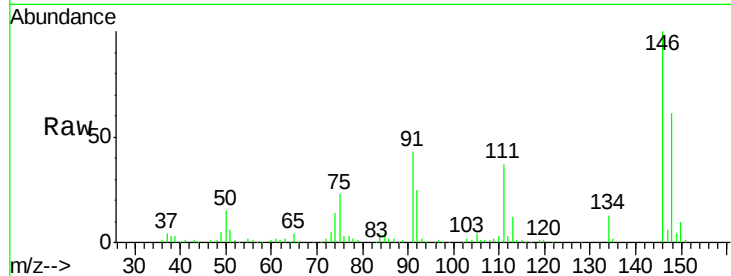




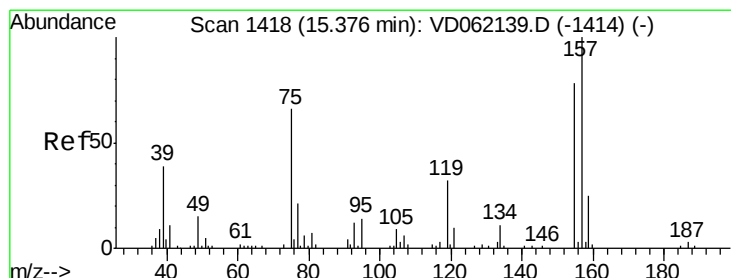
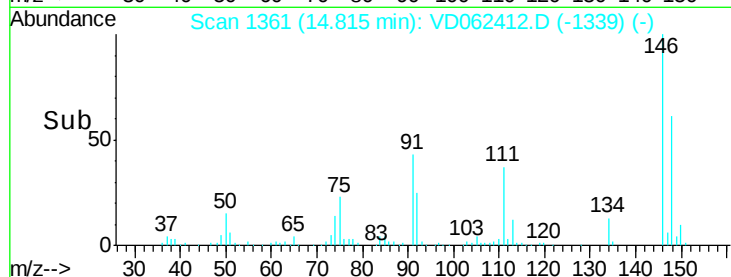
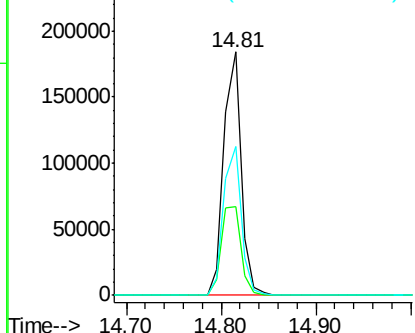
#91
 1,2-Dichlorobenzene
 Concen: 23.219 ug/l
 RT: 14.81 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Tot Ion:146 Resp: 234633
 Ion Ratio Lower Upper
 146 100
 111 36.6 20.0 59.9
 148 61.2 32.3 96.8

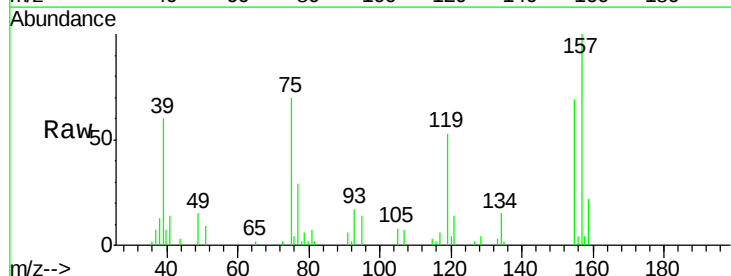


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

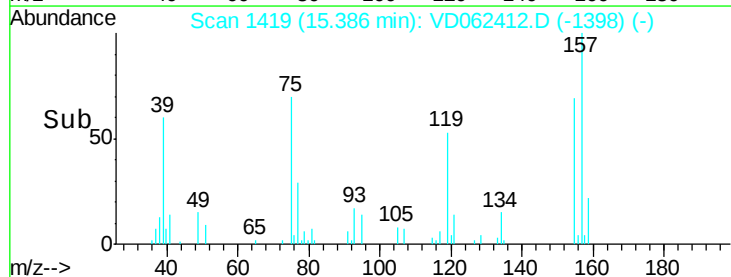
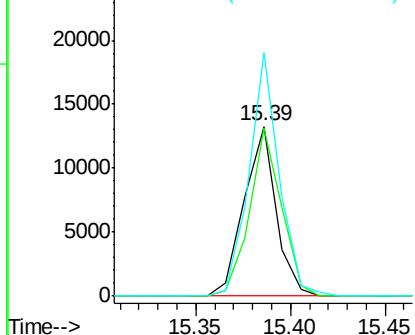


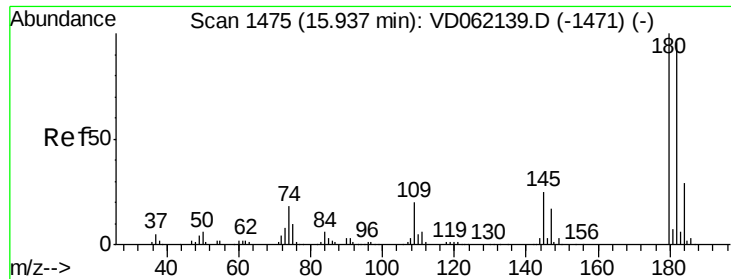
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.819 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Tgt Ion: 75 Resp: 15524
 Ion Ratio Lower Upper
 75 100
 155 99.2 55.3 165.8
 157 143.2 67.8 203.2



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

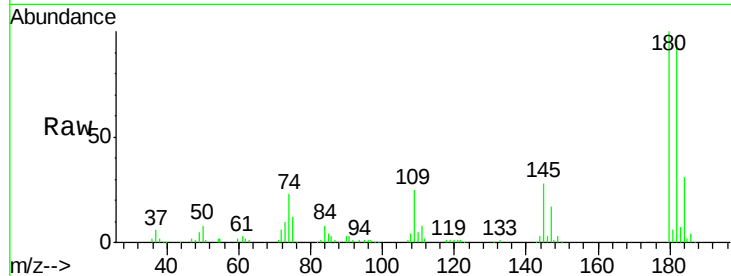




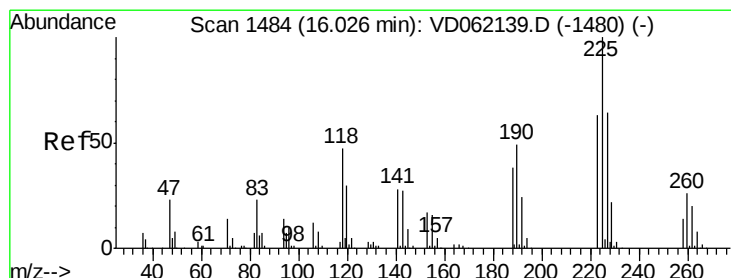
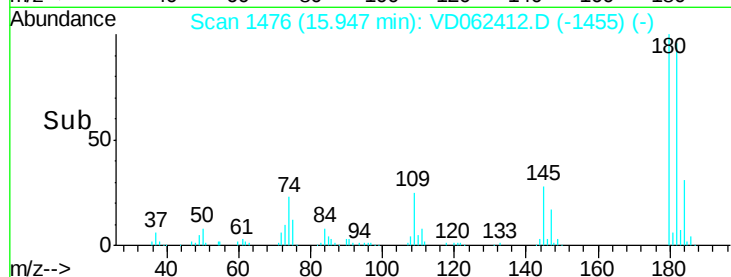
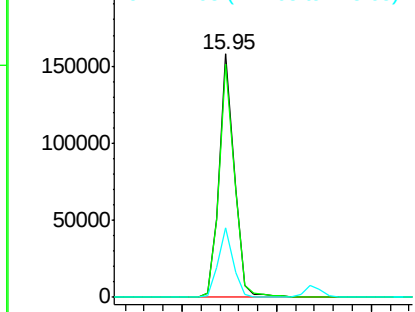
#93
 1,2,4-Trichlorobenzene
 Concen: 23.714 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Tot Ion:180 Resp: 174424
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.3 147.8
 145 28.3 16.2 48.6

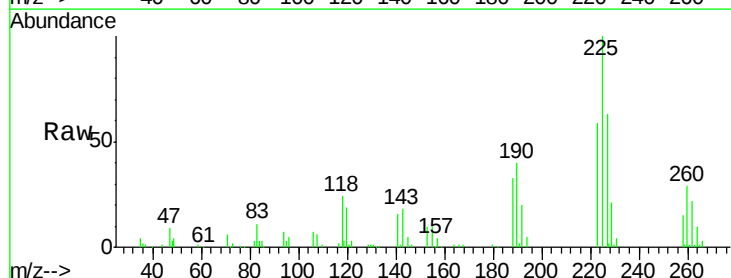


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

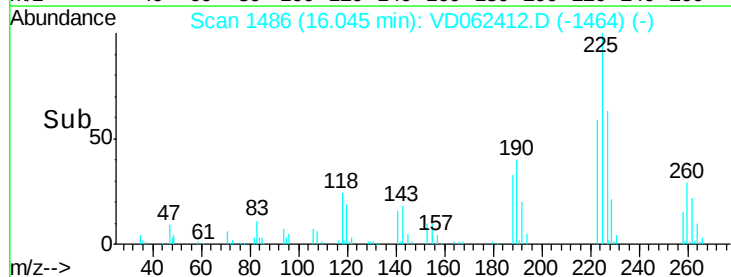
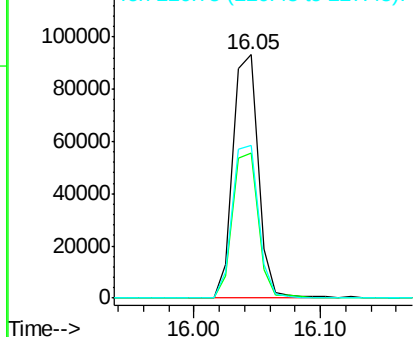


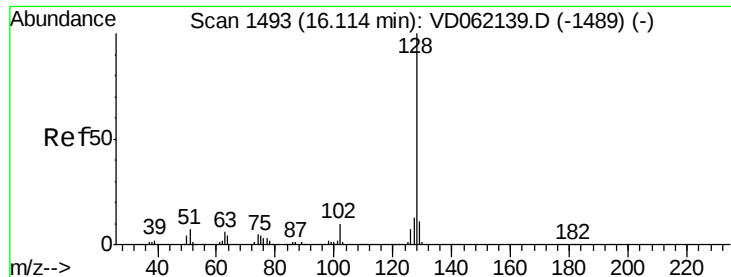
#94
 Hexachlorobutadiene
 Concen: 23.597 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062412.D
 Acq: 16 May 2019 12:45

Tgt Ion:225 Resp: 129092
 Ion Ratio Lower Upper
 225 100
 223 59.4 30.6 92.0
 227 62.5 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

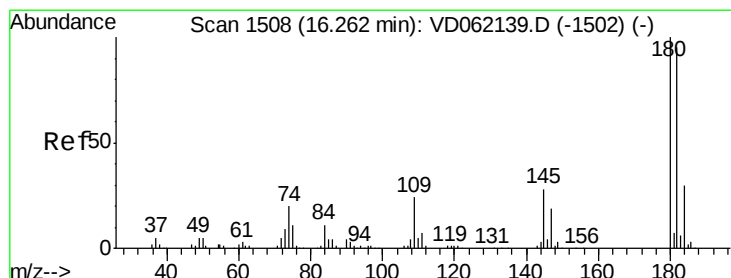
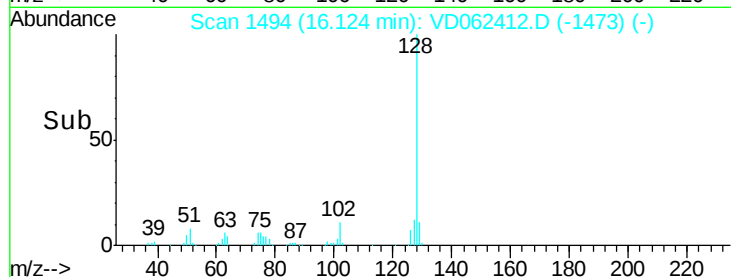
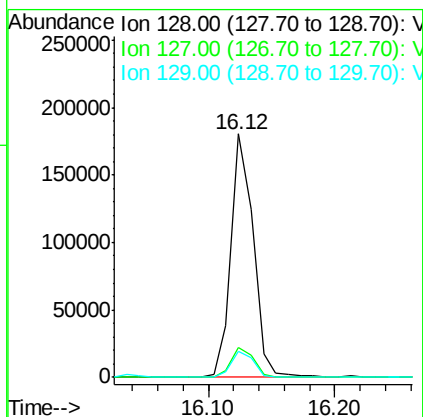
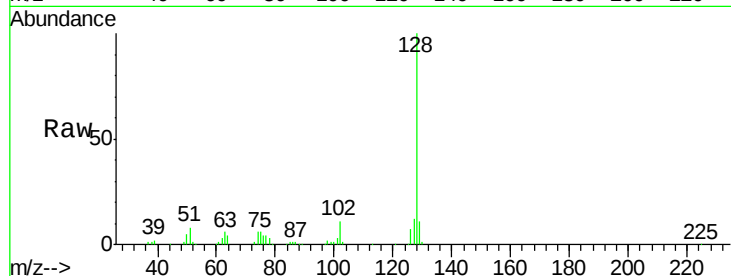




#95
Naphthalene
Concen: 21.347 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

Tot Ion:128 Resp: 219206
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 29.085 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062412.D
Acq: 16 May 2019 12:45

Tgt Ion:180 Resp: 134506
Ion Ratio Lower Upper
180 100
182 98.8 47.0 141.0
145 33.1 17.0 51.0

