

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
 Data File : VD062223.D
 Acq On : 10 May 2019 19:33
 Operator : FY/SY
 Sample : VD0510SBS02
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

Quant Time: May 10 23:38:30 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	7.03	168	532971	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.21	114	769950	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	629446	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	398236	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	332364	67.10	ug/l	0.02
Spiked Amount 50.000			Recovery =	134.20%		
35) Dibromofluoromethane	6.91	113	368274	57.65	ug/l	0.02
Spiked Amount 50.000			Recovery =	115.30%		
50) Toluene-d8	10.41	98	793996	51.55	ug/l	0.01
Spiked Amount 50.000			Recovery =	103.10%		
62) 4-Bromofluorobenzene	13.56	95	357847	57.86	ug/l	0.01
Spiked Amount 50.000			Recovery =	115.72%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	106866	20.965	ug/l	98
3) Chloromethane	1.74	50	68125	18.496	ug/l	100
4) Vinyl Chloride	1.84	62	68464	18.914	ug/l	93
5) Bromomethane	2.13	94	24790	29.227	ug/l	94
6) Chloroethane	2.24	64	33241	21.884	ug/l	99
7) Trichlorofluoromethane	2.50	101	159446	22.657	ug/l	98
8) Diethyl Ether	2.86	74	26588	19.590	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.13	101	108754	20.429	ug/l	97
10) Methyl Iodide	3.29	142	123704	15.375	ug/l	89
11) Tert butyl alcohol	4.06	59	27503	108.784	ug/l	98
12) 1,1-Dichloroethene	3.11	96	71794	17.667	ug/l #	72
13) Acrolein	3.03	56	22812	87.237	ug/l #	77
14) Allyl chloride	3.60	41	108754	18.406	ug/l #	80
15) Acrylonitrile	4.18	53	72114	108.519	ug/l	93
16) Acetone	3.20	43	122862	118.286	ug/l #	83
17) Carbon Disulfide	3.36	76	198423	16.973	ug/l #	95
18) Methyl Acetate	3.63	43	35538	18.942	ug/l #	85
19) Methyl tert-butyl Ether	4.22	73	195090	22.397	ug/l	95
20) Methylene Chloride	3.80	84	94518	21.794	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	86442	19.115	ug/l	95
22) Diisopropyl ether	5.10	45	264912	21.069	ug/l	94
23) Vinyl Acetate	5.03	43	767442	115.683	ug/l	99
24) 1,1-Dichloroethane	4.96	63	157676	20.787	ug/l	98
25) 2-Butanone	6.06	43	117988	104.141	ug/l	96
26) 2,2-Dichloropropane	6.01	77	167641	22.187	ug/l	91
27) cis-1,2-Dichloroethene	6.02	96	100677	19.890	ug/l	97
28) Bromochloromethane	6.42	49	69321	23.229	ug/l	89
29) Tetrahydrofuran	6.45	42	57087	109.357	ug/l	98
30) Chloroform	6.65	83	210780	23.057	ug/l	93
31) Cyclohexane	6.94	56	91367	17.582	ug/l	95
32) 1,1,1-Trichloroethane	6.85	97	192865	22.321	ug/l	98
36) 1,1-Dichloropropene	7.13	75	134507	21.307	ug/l	92
37) Ethyl Acetate	6.17	43	64867	24.229	ug/l #	85
38) Carbon Tetrachloride	7.10	117	206593	23.644	ug/l	97

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 Sample : VD0510SBS02
 Misc : 5.00µ/5mL/MSVOA D/SOIL
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Quant Time: May 10 23:38:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	108871	18.000	ug/l	99
40) Benzene	7.44	78	278195	19.515	ug/l	100
41) Methacrylonitrile	6.43	41	74711	22.836	ug/l #	85
42) 1,2-Dichloroethane	7.56	62	140212	23.215	ug/l	94
43) Isopropyl Acetate	9.24	43	83889	22.094	ug/l	94
44) Trichloroethene	8.53	130	106327	19.574	ug/l	87
45) 1,2-Dichloropropane	8.93	63	66650	18.902	ug/l	95
46) Dibromomethane	9.06	93	60430	21.075	ug/l	92
47) Bromodichloromethane	9.36	83	156988	22.383	ug/l	98
48) Methyl methacrylate	9.11	41	55942	23.920	ug/l #	87
49) 1,4-Dioxane	9.08	88	10854	430.141	ug/l #	81
51) 4-Methyl-2-Pentanone	10.30	43	288640	118.263	ug/l	92
52) Toluene	10.51	92	189179	20.397	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	125193	20.653	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	130840	19.786	ug/l #	90
55) 1,1,2-Trichloroethane	11.18	97	76385	23.276	ug/l	98
56) Ethyl methacrylate	11.04	69	71619	21.002	ug/l #	89
57) 1,3-Dichloropropane	11.40	76	108364	21.857	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	205975	110.575	ug/l	99
59) 2-Hexanone	11.53	43	211052	117.326	ug/l	98
60) Dibromochloromethane	11.68	129	123201	21.723	ug/l	98
61) 1,2-Dibromoethane	11.80	107	84079	21.074	ug/l	94
64) Tetrachloroethene	11.25	164	103320	20.991	ug/l	96
65) Chlorobenzene	12.39	112	251081	21.417	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	111241	21.802	ug/l	94
67) Ethyl Benzene	12.52	91	399123	20.335	ug/l	94
68) m/p-Xylenes	12.67	106	302128	42.310	ug/l	87
69) o-Xylene	13.04	106	140076	21.100	ug/l	85
70) Styrene	13.07	104	224784	19.988	ug/l	97
71) Bromoform	13.23	173	81169	22.866	ug/l #	95
73) Isopropylbenzene	13.40	105	445222	18.651	ug/l	97
74) N-amyl acetate	13.26	43	113552	18.143	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	79430	17.576	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	97357	20.571	ug/l	97
77) Bromobenzene	13.67	156	116593	17.448	ug/l	93
78) n-propylbenzene	13.77	91	542297	19.044	ug/l	96
79) 2-Chlorotoluene	13.84	91	321297	19.701	ug/l	91
80) 1,3,5-Trimethylbenzene	13.93	105	383163	19.061	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.47	75	21805	16.320	ug/l #	70
82) 4-Chlorotoluene	13.95	91	377648	19.678	ug/l	90
83) tert-Butylbenzene	14.19	119	426750	18.888	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	379656	18.821	ug/l	90
85) sec-Butylbenzene	14.36	105	464386	18.746	ug/l	94
86) p-Isopropyltoluene	14.49	119	411348	18.586	ug/l	94
87) 1,3-Dichlorobenzene	14.45	146	235839	19.319	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	218504	18.217	ug/l	95
89) n-Butylbenzene	14.80	91	366741	18.461	ug/l	95
90) Hexachloroethane	15.01	117	115243	19.147	ug/l	62
91) 1,2-Dichlorobenzene	14.81	146	195711	19.467	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	14778	19.921	ug/l	91

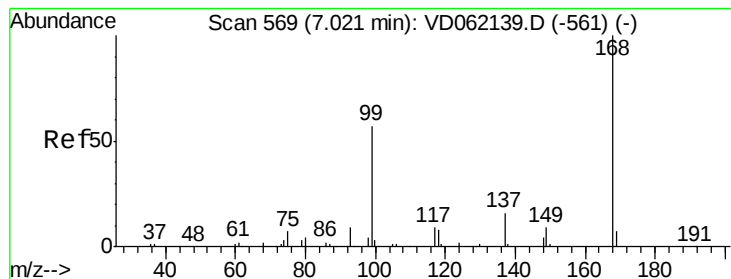
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
Data File : VD062223.D
Acq On : 10 May 2019 19:33
Operator : FY/SY
Sample : VD0510SBS02
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	156309	21.361	ug/l	94
94) Hexachlorobutadiene	16.04	225	112517	20.674	ug/l	99
95) Naphthalene	16.12	128	228130	22.330	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	123173	26.772	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

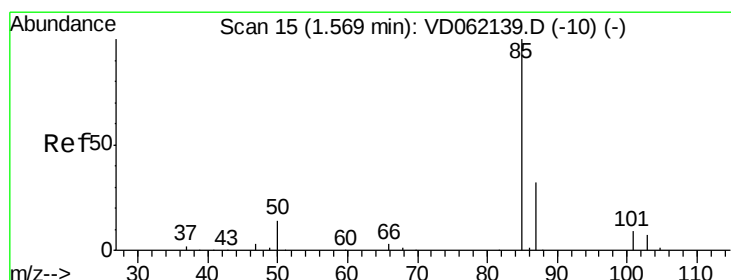
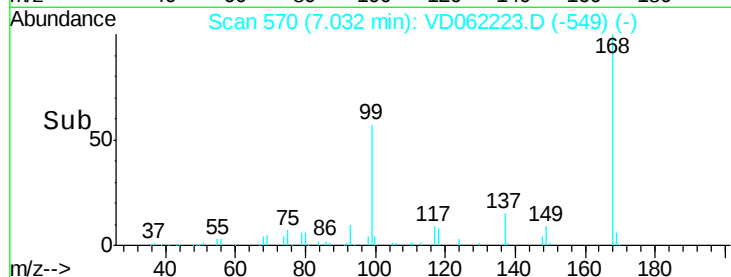
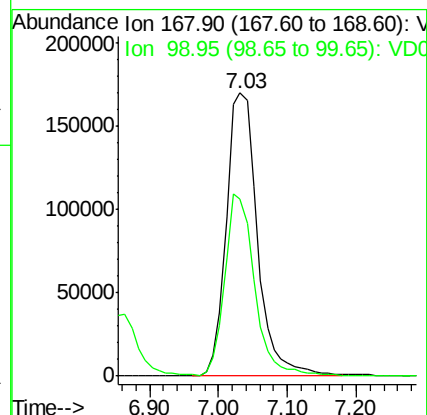
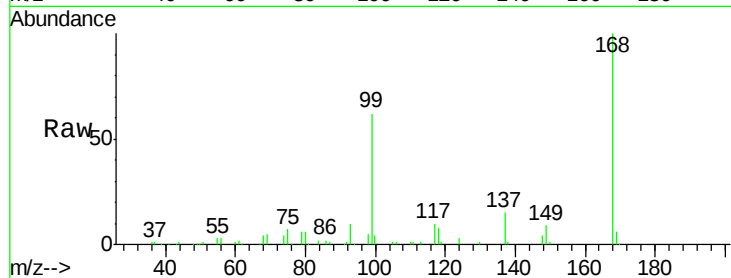
VD0510SBS02

Tot Ion:168 Resp: 532971

Ion Ratio Lower Upper

168 100

99 62.5 46.5 69.7



#2

Dichlorodifluoromethane

Concen: 20.965 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062223.D

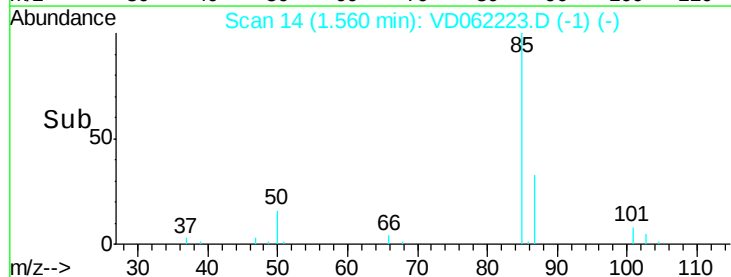
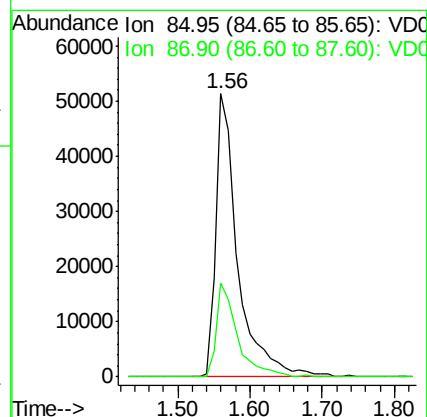
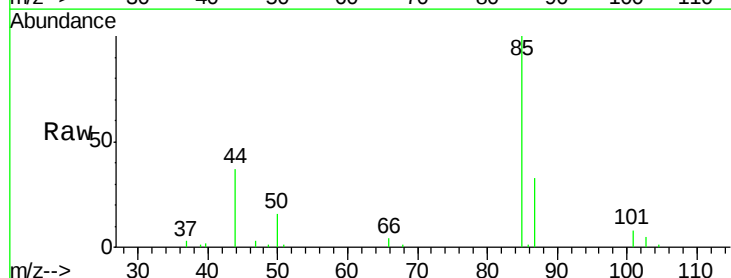
Acq: 10 May 2019 19:33

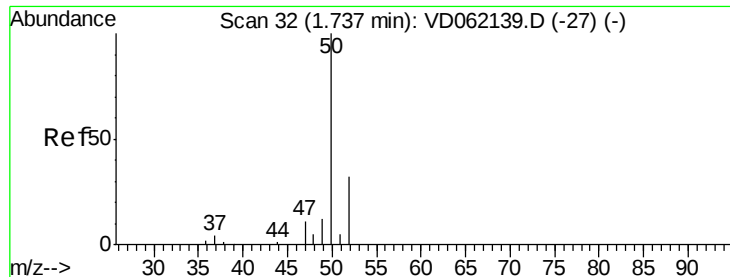
Tgt Ion: 85 Resp: 106866

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.6





#3

Chloromethane

Concen: 18.496 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

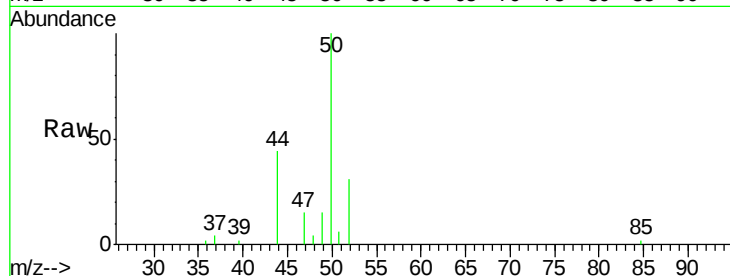
VD0510SBS02

Tot Ion: 50 Resp: 68125

Ion Ratio Lower Upper

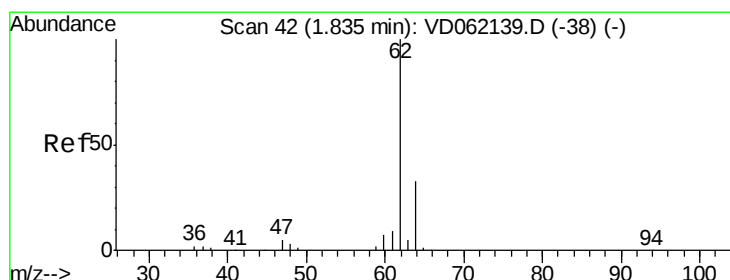
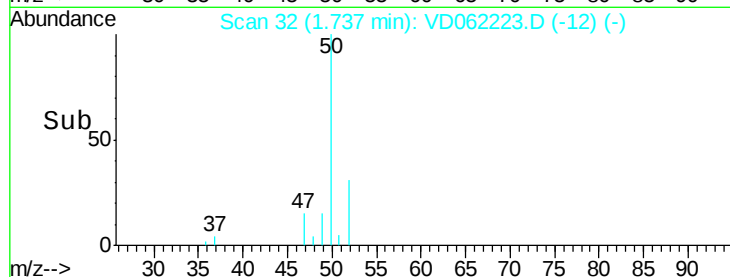
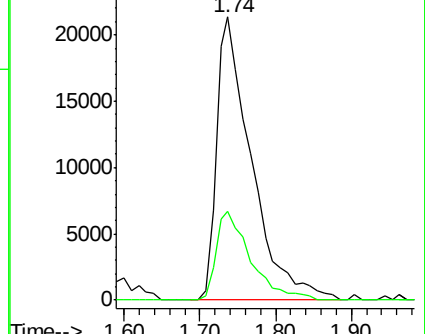
50 100

52 31.3 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: 18.914 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062223.D

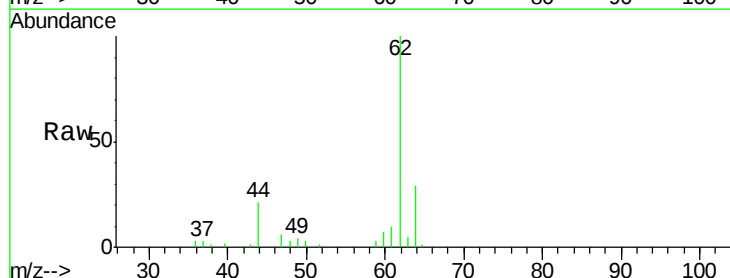
Acq: 10 May 2019 19:33

Tgt Ion: 62 Resp: 68464

Ion Ratio Lower Upper

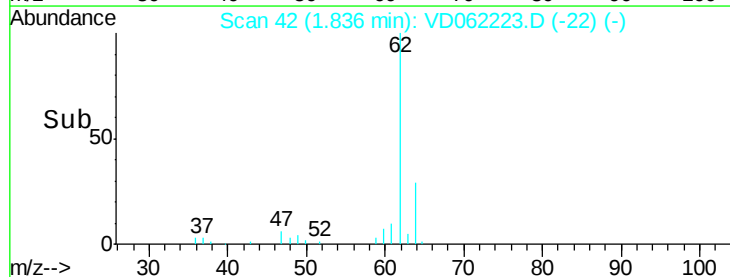
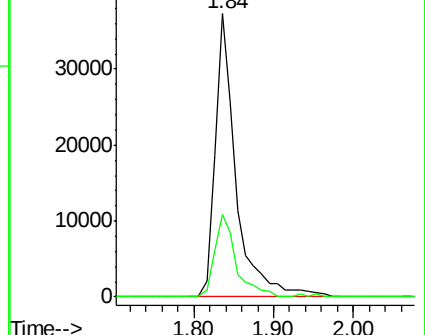
62 100

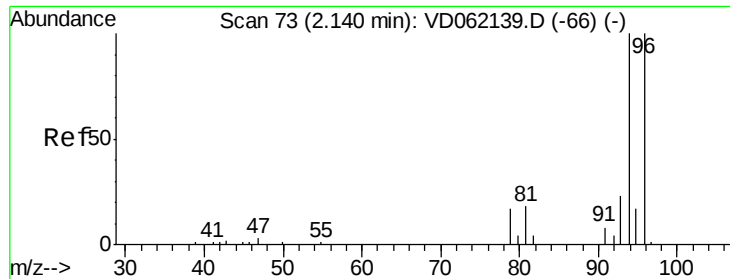
64 29.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

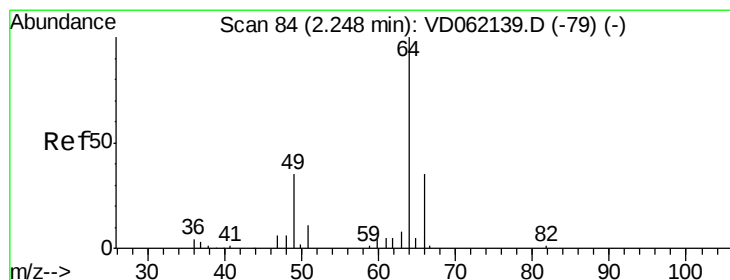
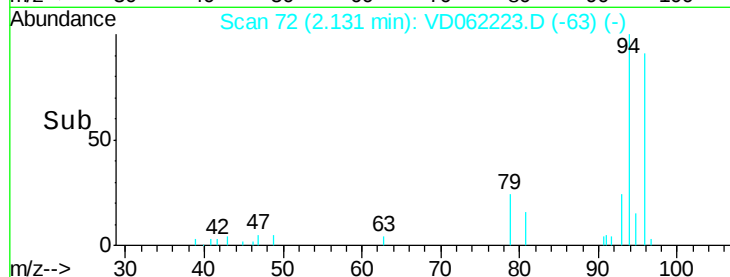
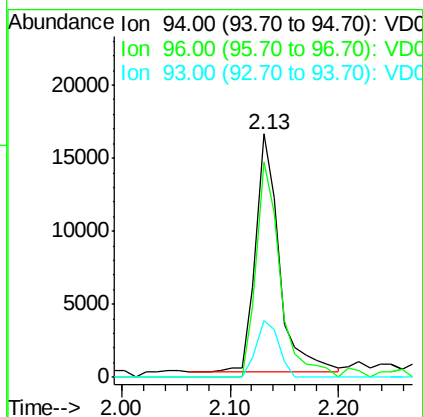
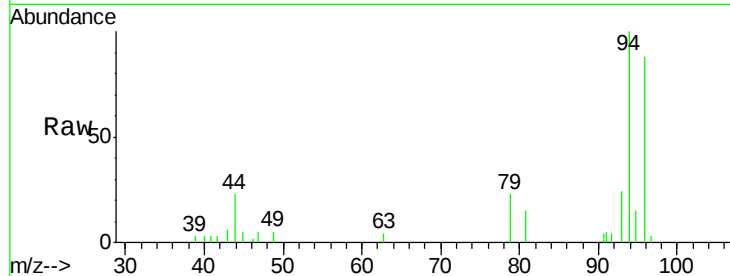




#5
Bromomethane
Concen: 29.227 ug/l
RT: 2.13 min Scan# 72
Delta R.T. -0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

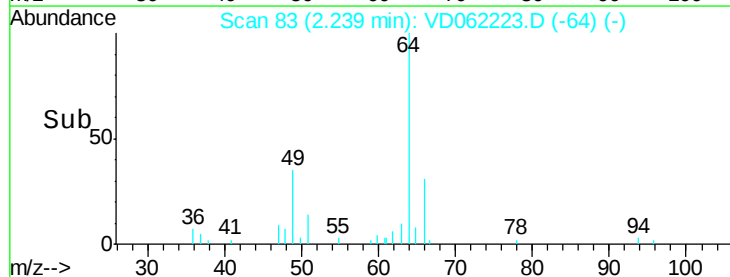
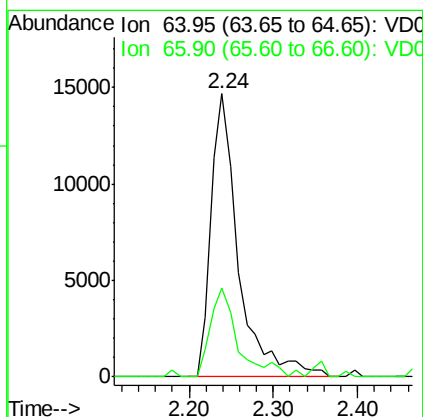
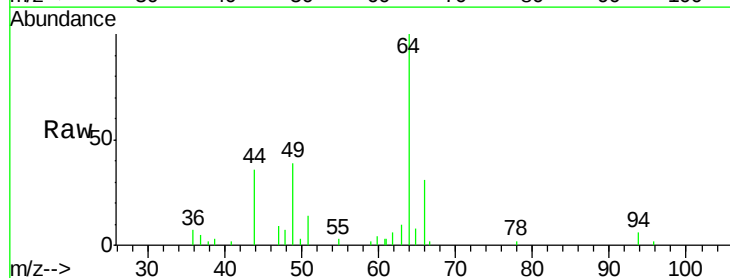
Instrument :
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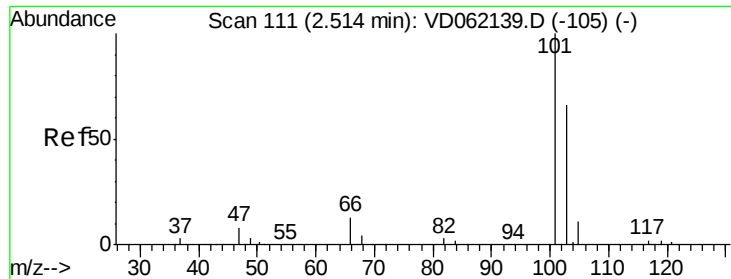
Tot Ion: 94 Resp: 24790
Ion Ratio Lower Upper
94 100
96 88.5 76.6 115.0
93 23.5 18.5 27.7



#6
Chloroethane
Concen: 21.884 ug/l
RT: 2.24 min Scan# 83
Delta R.T. -0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion: 64 Resp: 33241
Ion Ratio Lower Upper
64 100
66 31.4 25.6 38.4



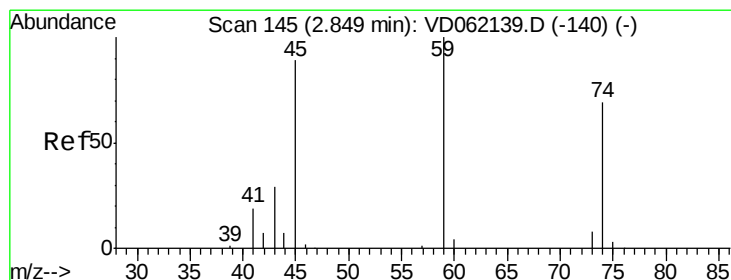
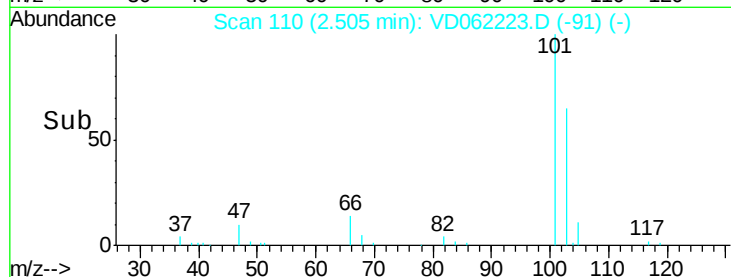
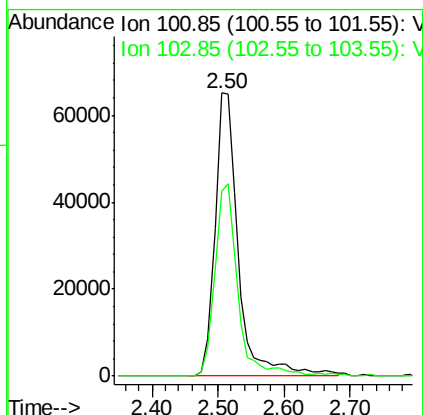
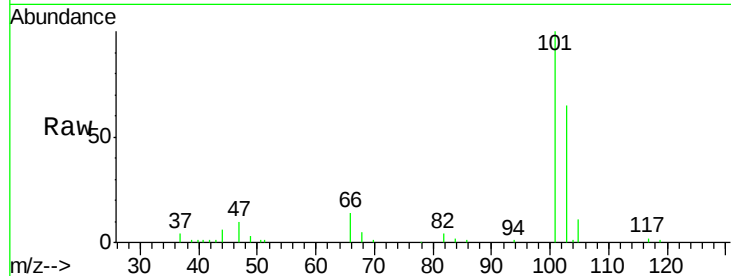


#7

Trichlorofluoromethane
 Concen: 22.657 ug/l
 RT: 2.50 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

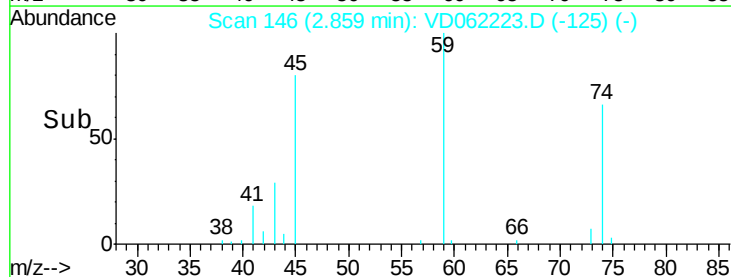
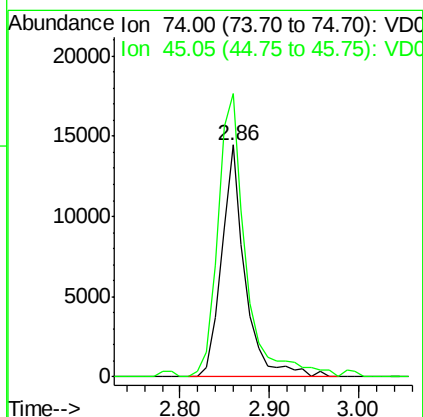
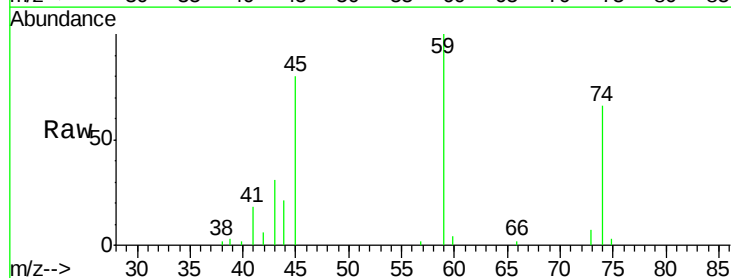
Tot Ion:101 Resp: 159446
 Ion Ratio Lower Upper
 101 100
 103 65.1 53.6 80.4



#8

Diethyl Ether
 Concen: 19.590 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Tgt Ion: 74 Resp: 26588
 Ion Ratio Lower Upper
 74 100
 45 122.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.429 ug/l

RT: 3.13 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

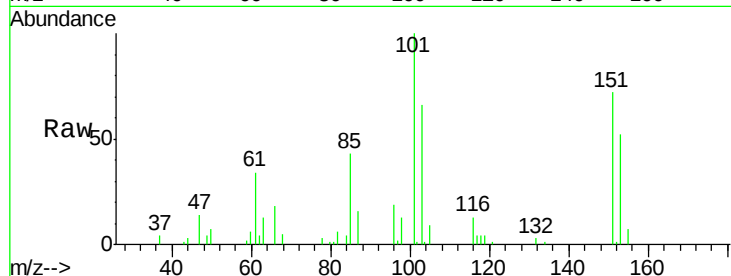
Tot Ion:101 Resp: 108754

Ion Ratio Lower Upper

101 100

85 43.0 32.4 48.6

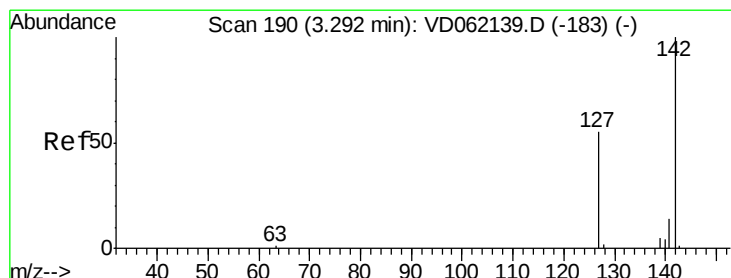
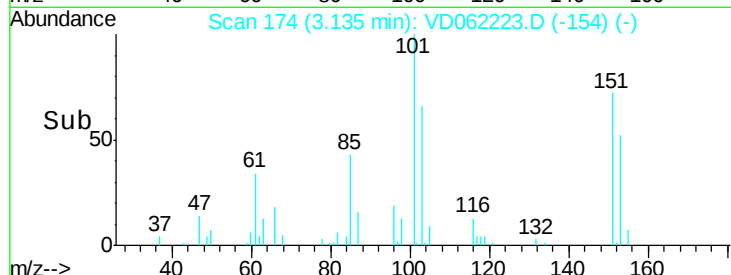
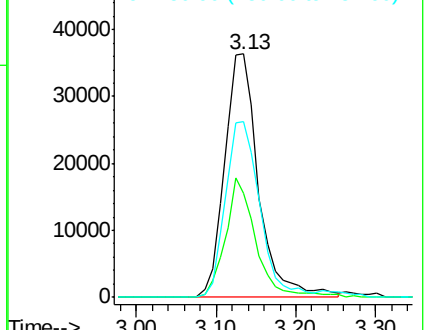
151 72.1 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 15.375 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

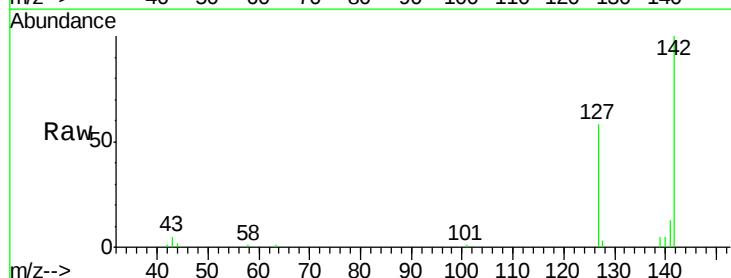
Tgt Ion:142 Resp: 123704

Ion Ratio Lower Upper

142 100

127 57.5 38.8 58.2

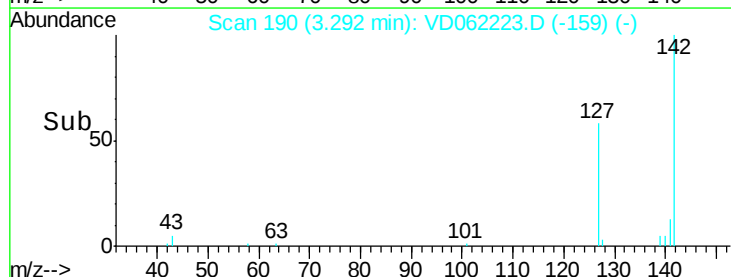
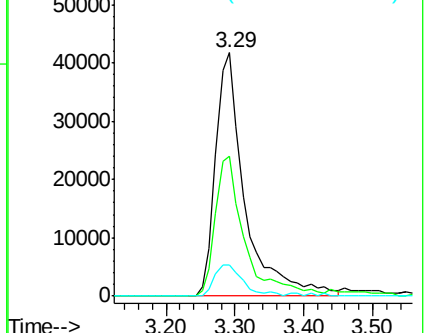
141 12.9 11.4 17.0

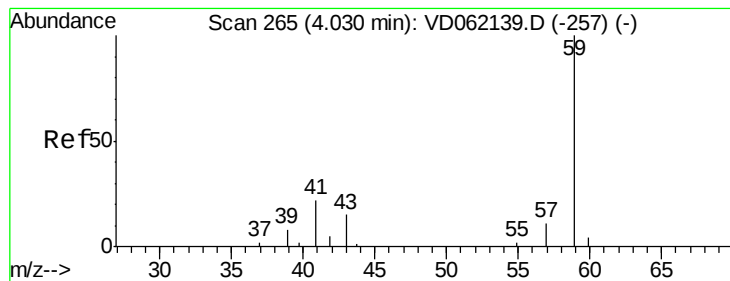


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



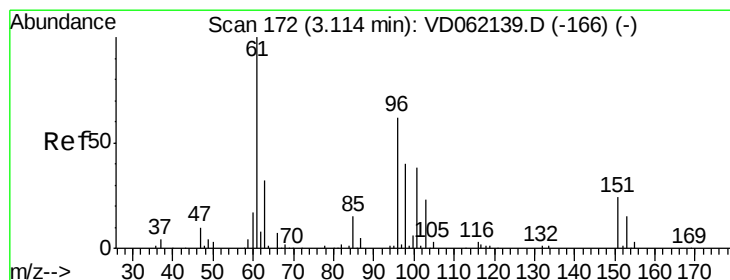
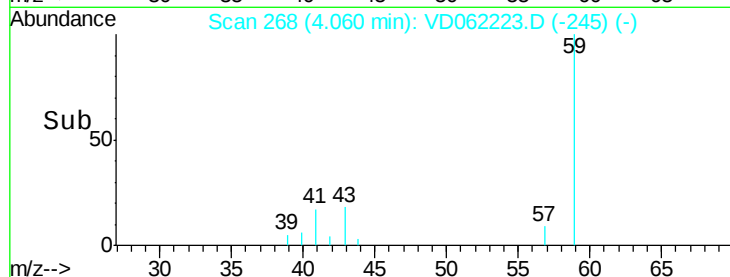
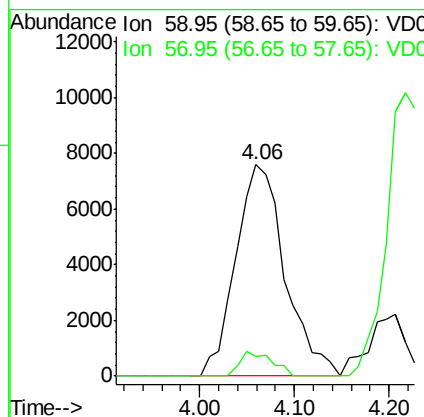
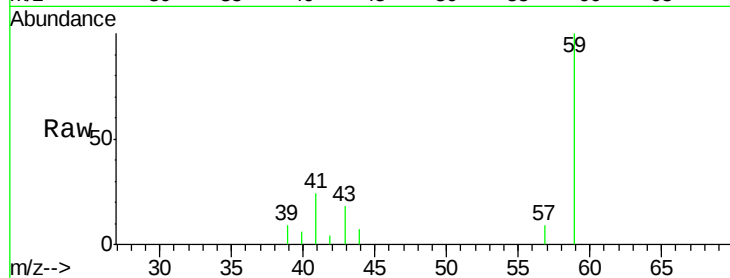


#11

Tert butyl alcohol
 Concen: 108.784 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.03 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

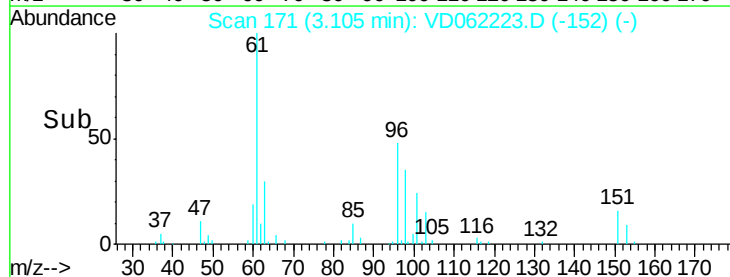
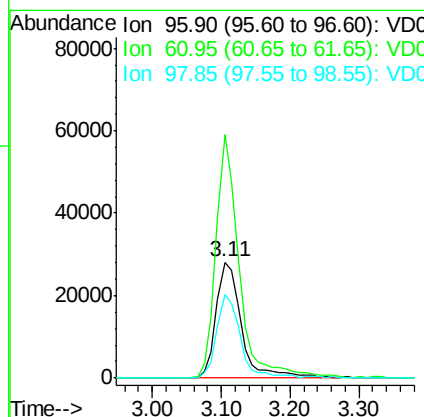
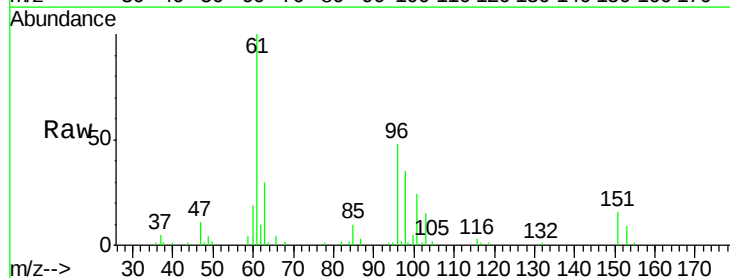
Tot Ion: 59 Resp: 27503
 Ion Ratio Lower Upper
 59 100
 57 9.5 6.9 10.3

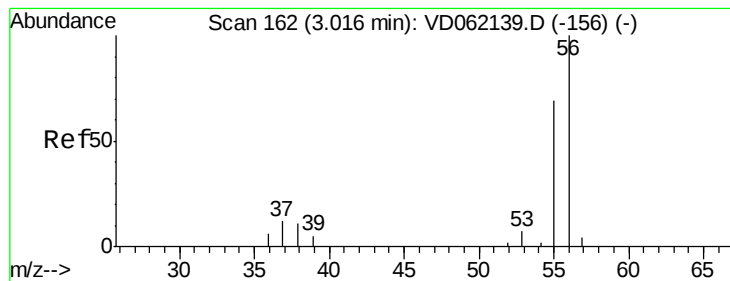


#12

1,1-Dichloroethene
 Concen: 17.667 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Tgt Ion: 96 Resp: 71794
 Ion Ratio Lower Upper
 96 100
 61 209.6 129.8 194.8#
 98 72.4 51.2 76.8





#13

Acrolein

Concen: 87.237 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

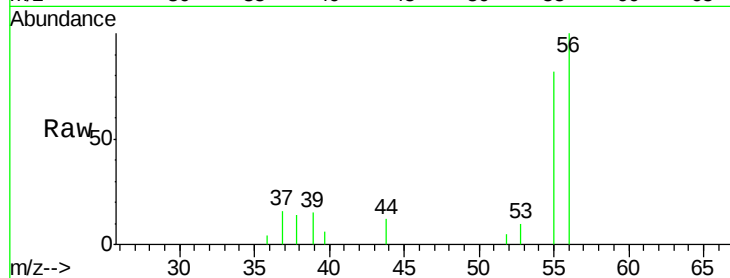
VD0510SBS02

Tot Ion: 56 Resp: 22812

Ion Ratio Lower Upper

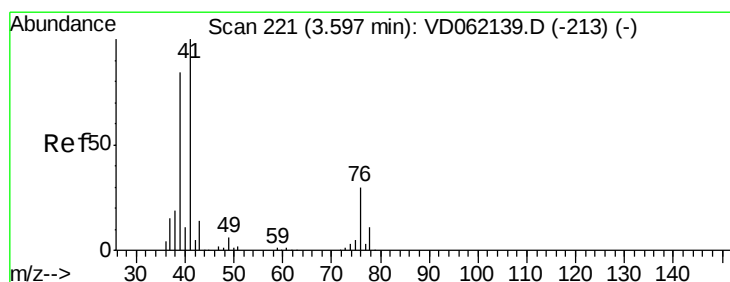
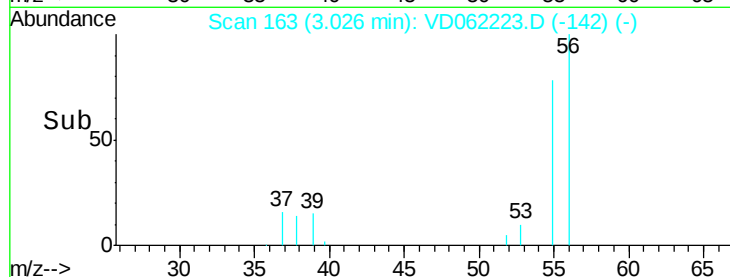
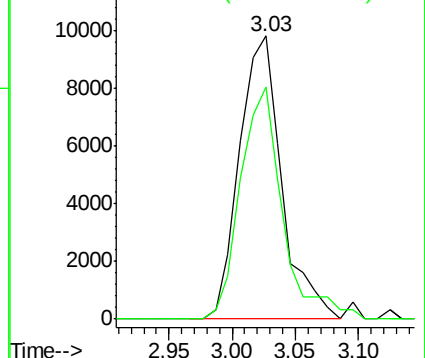
56 100

55 82.2 51.4 77.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.406 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

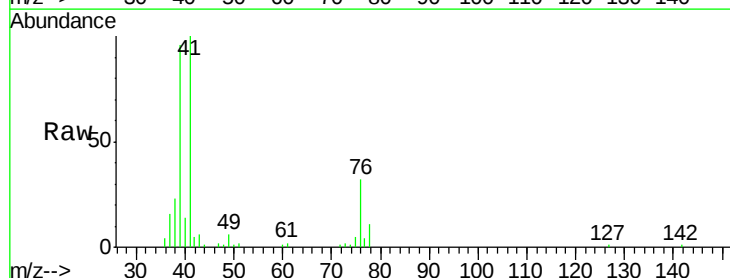
Tgt Ion: 41 Resp: 108754

Ion Ratio Lower Upper

41 100

39 96.1 60.5 90.7#

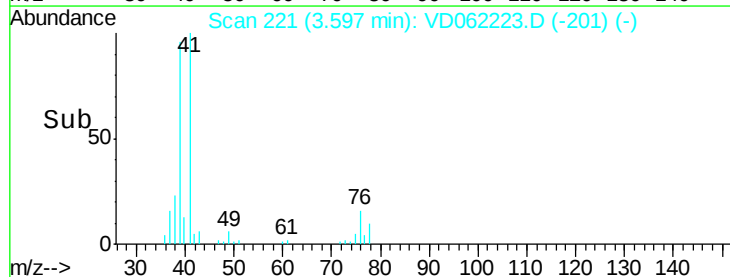
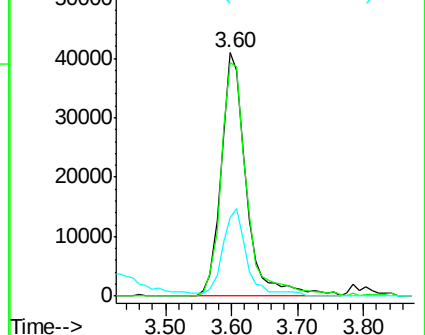
76 32.4 31.8 47.8



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

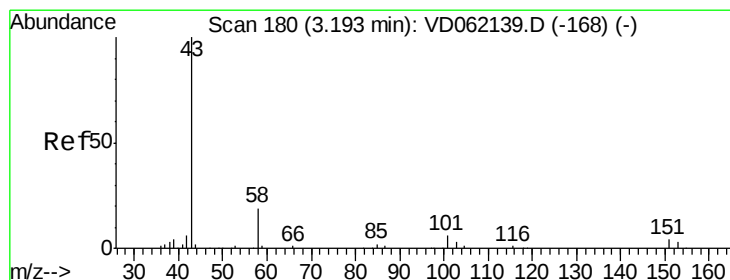
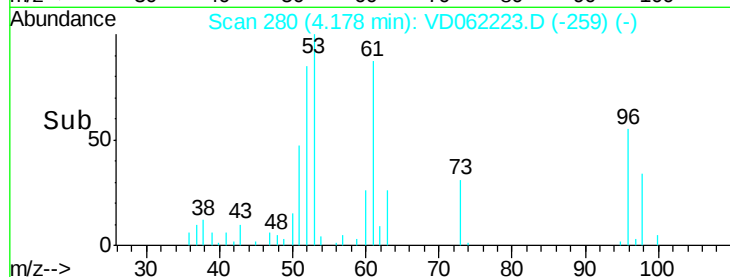
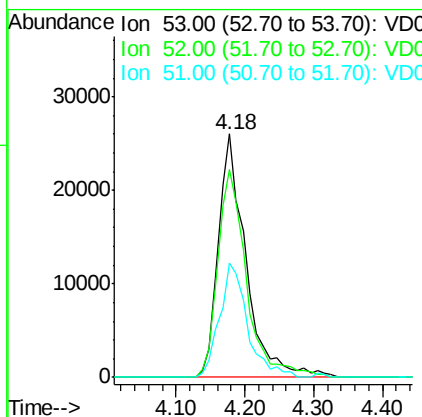
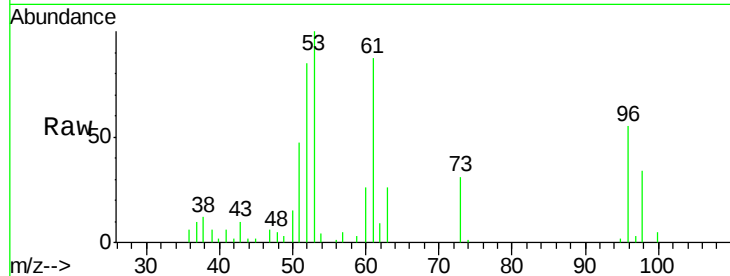




#15
 Acrylonitrile
 Concen: 108.519 ug/l
 RT: 4.18 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

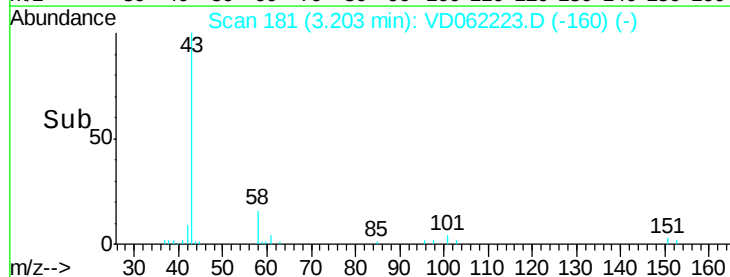
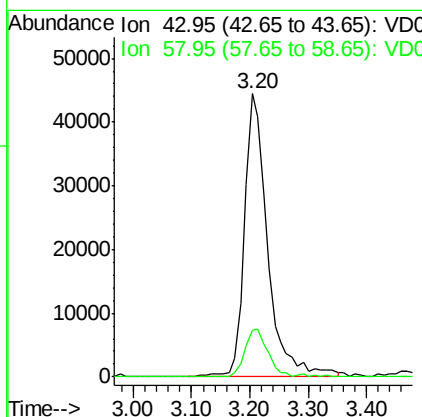
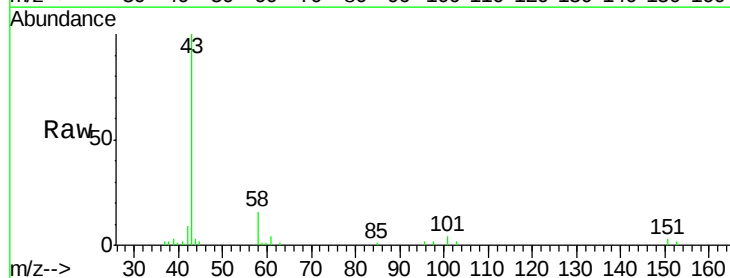
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

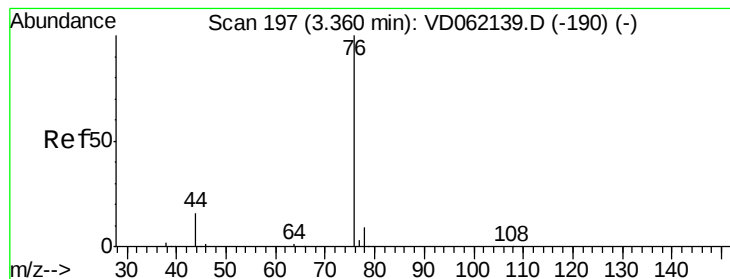
Tot Ion: 53 Resp: 72114
 Ion Ratio Lower Upper
 53 100
 52 85.4 65.0 97.4
 51 47.1 32.6 48.8



#16
 Acetone
 Concen: 118.286 ug/l
 RT: 3.20 min Scan# 181
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Tgt Ion: 43 Resp: 122862
 Ion Ratio Lower Upper
 43 100
 58 16.4 19.9 29.9#





#17

Carbon Disulfide

Concen: 16.973 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

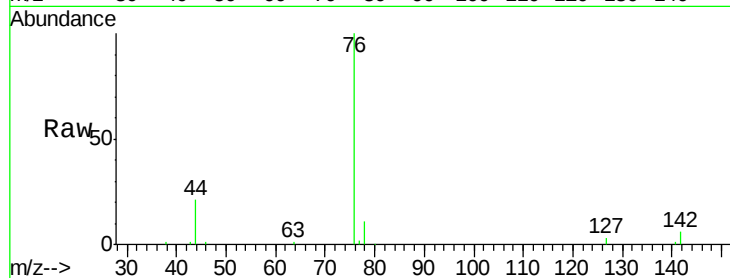
VD0510SBS02

Tot Ion: 76 Resp: 198423

Ion Ratio Lower Upper

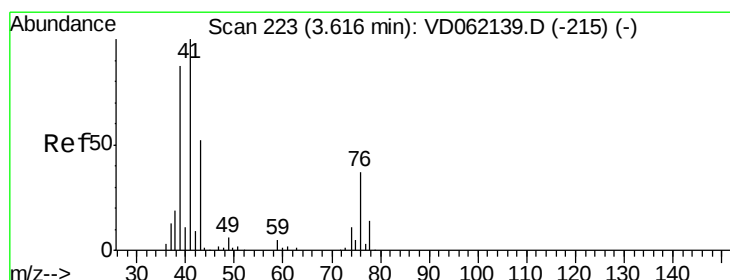
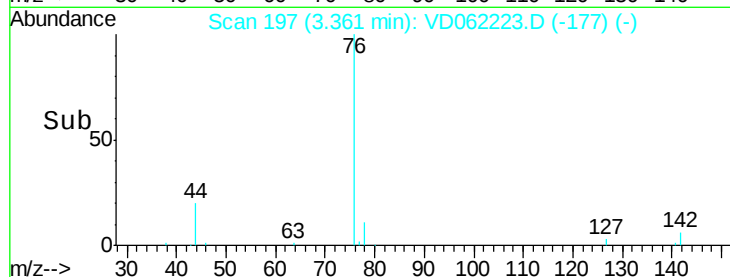
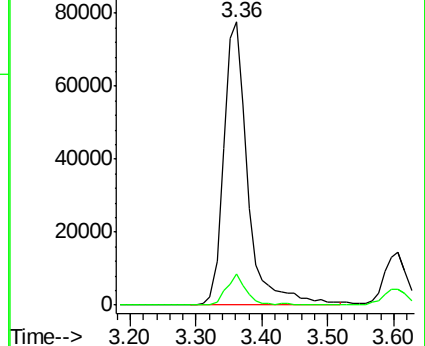
76 100

78 10.9 7.2 10.8#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.942 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062223.D

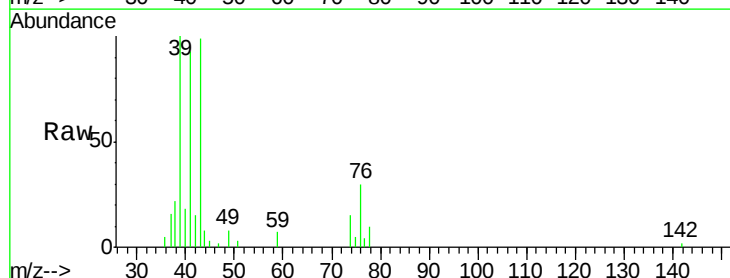
Acq: 10 May 2019 19:33

Tgt Ion: 43 Resp: 35538

Ion Ratio Lower Upper

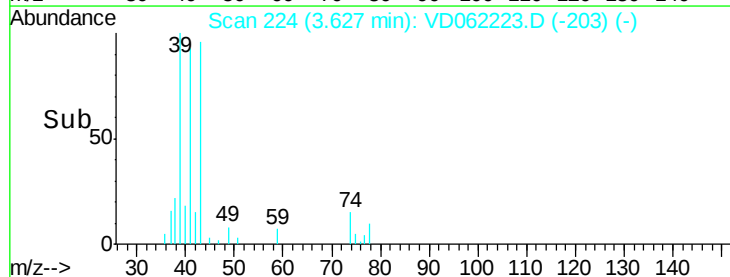
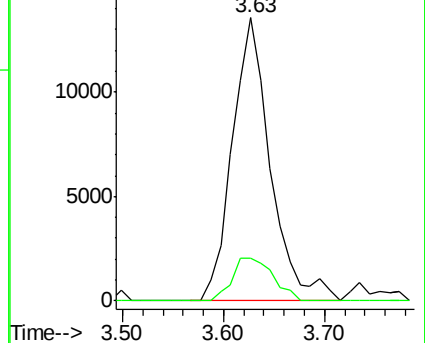
43 100

74 15.1 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

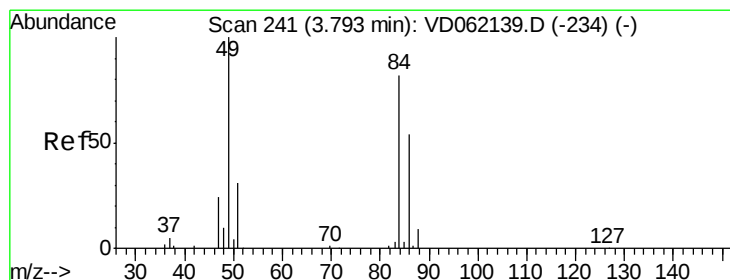
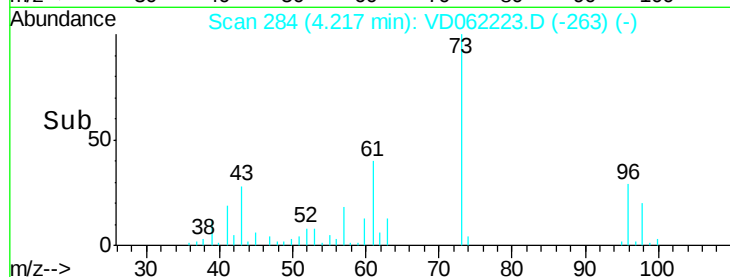
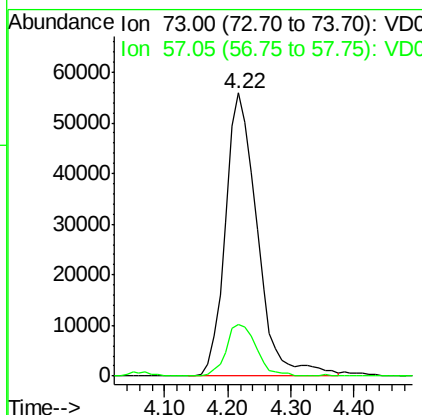
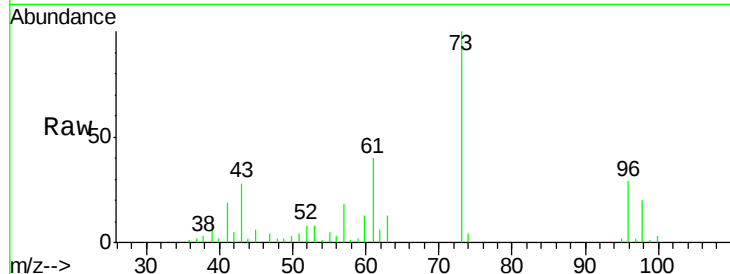




#19
Methvl tert-butvl Ether
Concen: 22.397 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

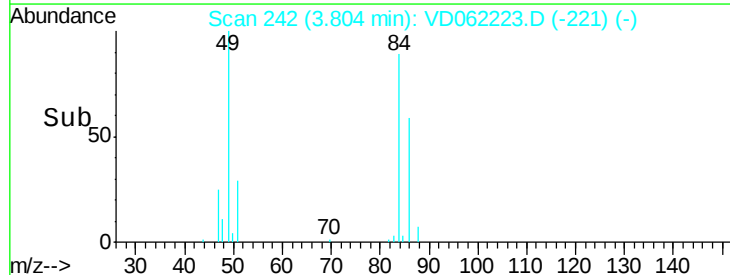
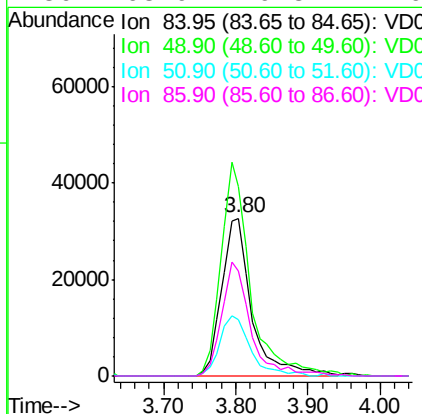
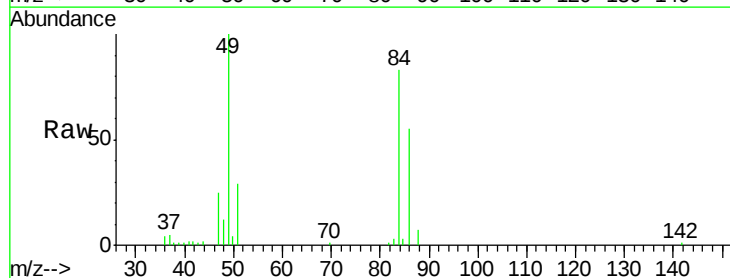
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

Tot Ion: 73 Resp: 195090
Ion Ratio Lower Upper
73 100
57 18.2 16.3 24.5



#20
Methylene Chloride
Concen: 21.794 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion: 84 Resp: 94518
Ion Ratio Lower Upper
84 100
49 116.3 94.0 141.0
51 34.3 29.0 43.4
86 63.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.115 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

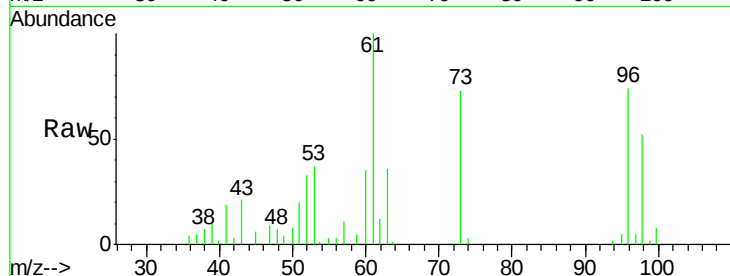
Tot Ion: 96 Resp: 86442

Ion Ratio Lower Upper

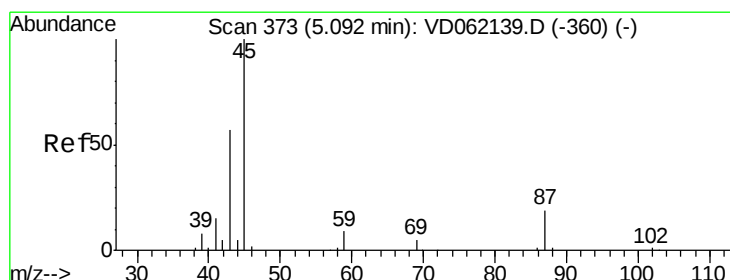
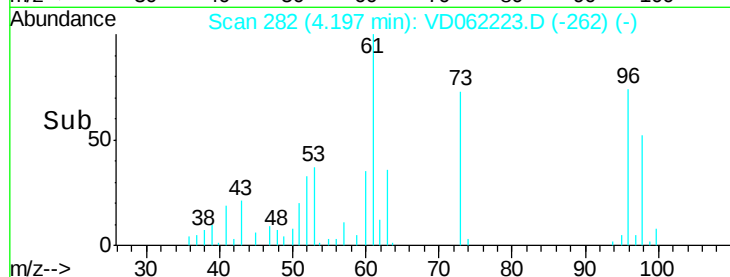
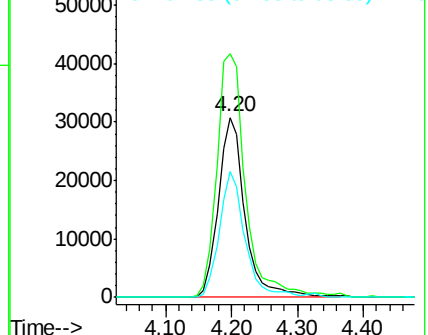
96 100

61 135.5 104.4 156.6

98 70.3 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: 21.069 ug/l

RT: 5.10 min Scan# 374

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Tgt Ion: 45 Resp: 264912

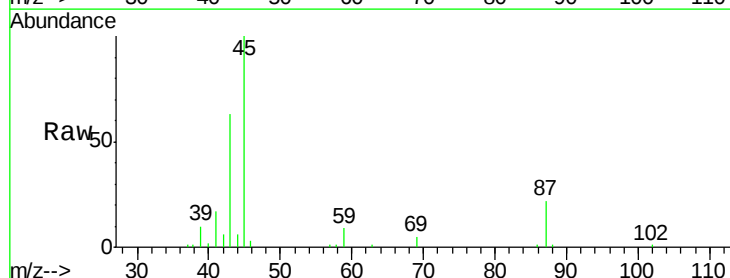
Ion Ratio Lower Upper

45 100

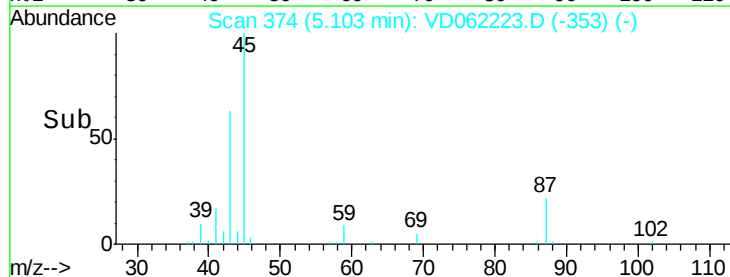
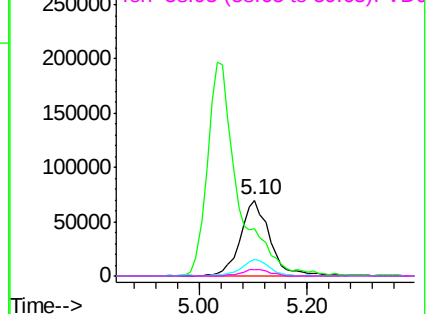
43 63.4 46.2 69.2

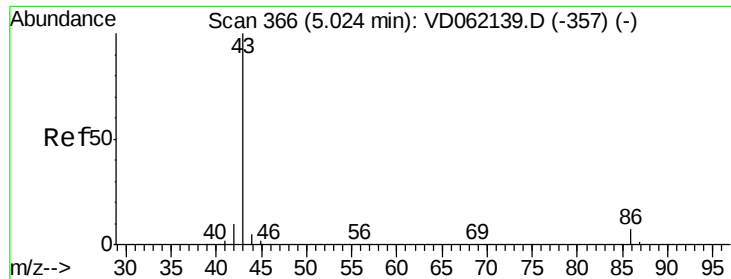
87 22.0 15.9 23.9

59 8.8 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

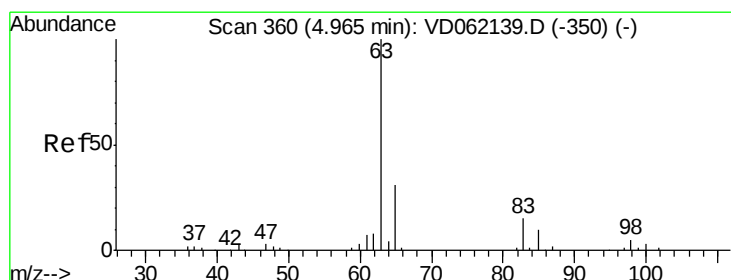
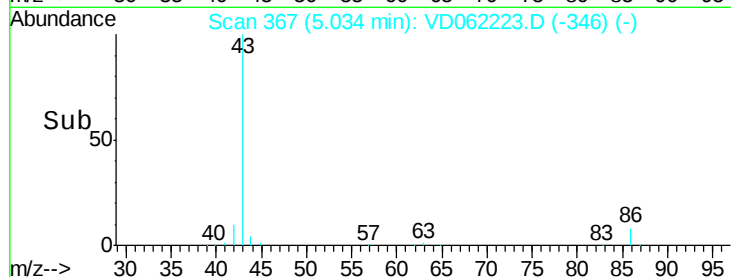
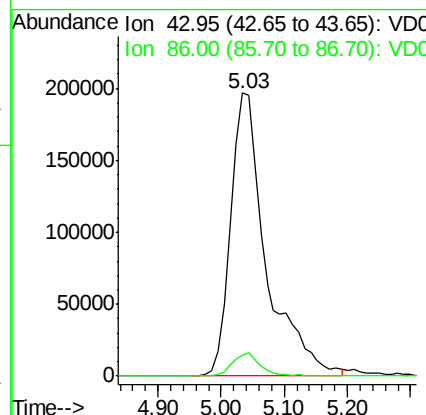
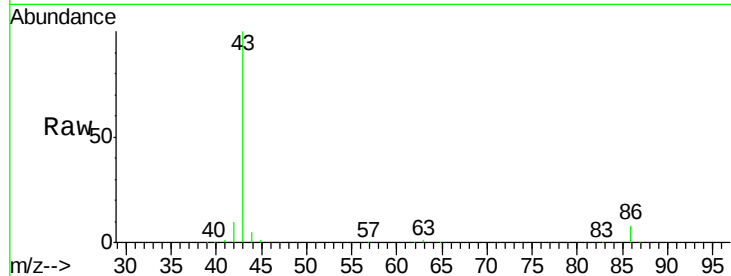




#23
 Vinyl Acetate
 Concen: 115.683 ug/l
 RT: 5.03 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

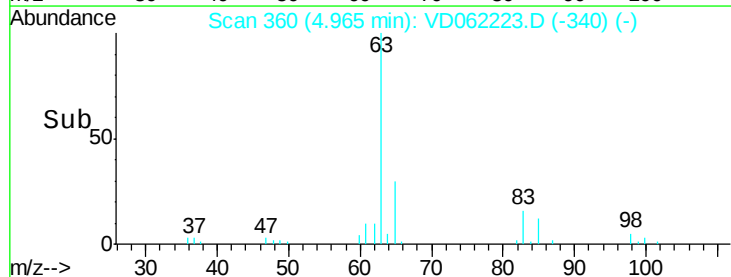
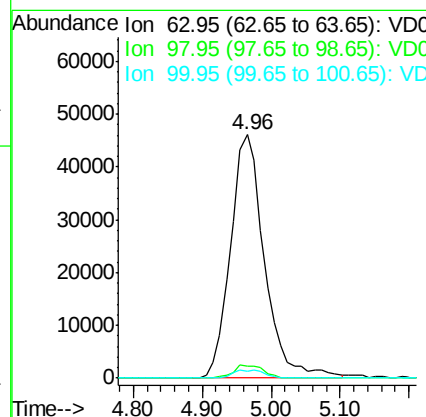
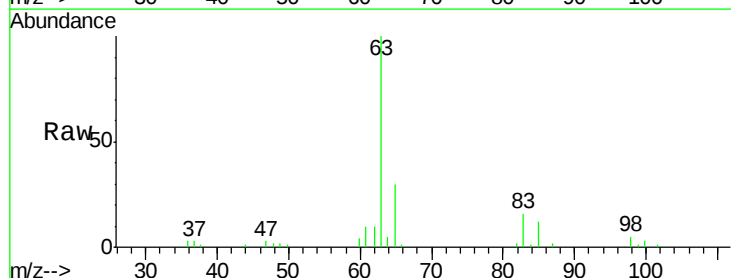
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

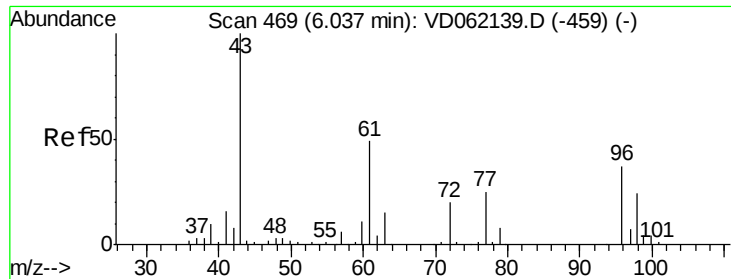
Tot Ion: 43 Resp: 767442
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 20.787 ug/l
 RT: 4.96 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Tgt Ion: 63 Resp: 157676
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.8 8.4
 100 2.8 1.8 5.5





#25

2-Butanone

Concen: 104.141 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

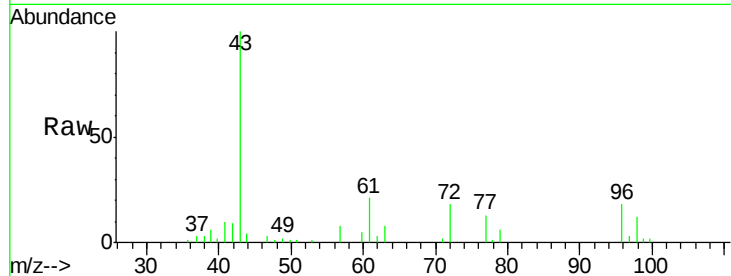
VD0510SBS02

Tot Ion: 43 Resp: 117988

Ion Ratio Lower Upper

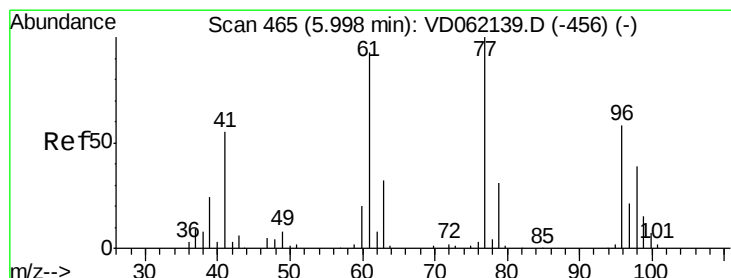
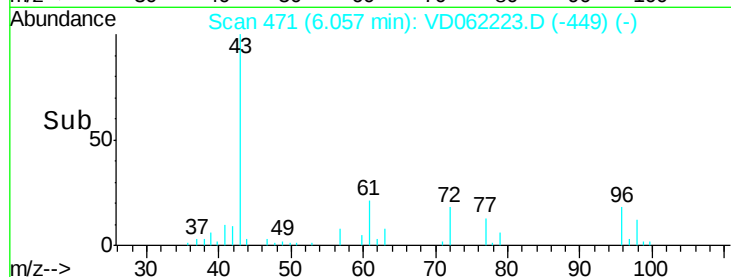
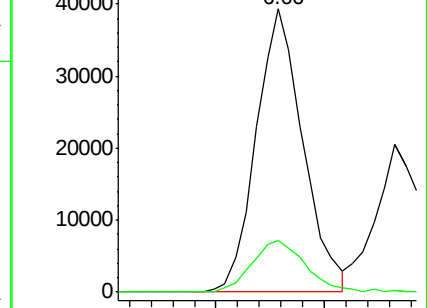
43 100

72 18.3 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.187 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD062223.D

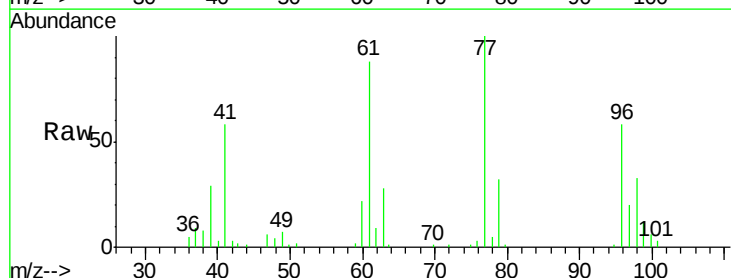
Acq: 10 May 2019 19:33

Tgt Ion: 77 Resp: 167641

Ion Ratio Lower Upper

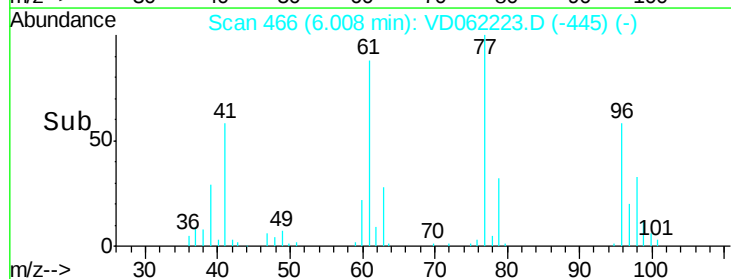
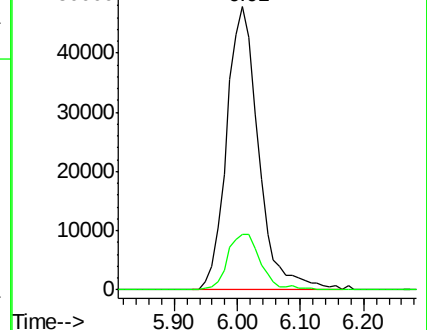
77 100

97 19.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



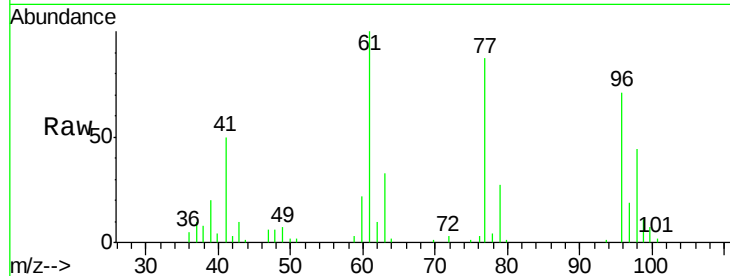


#27

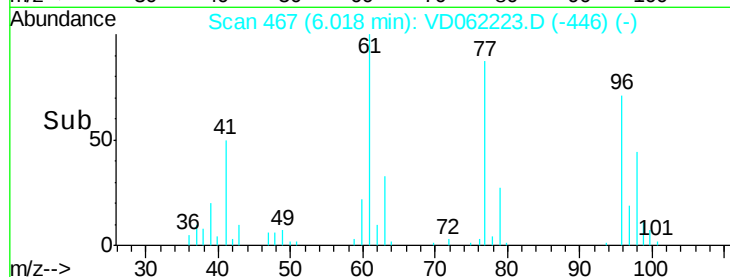
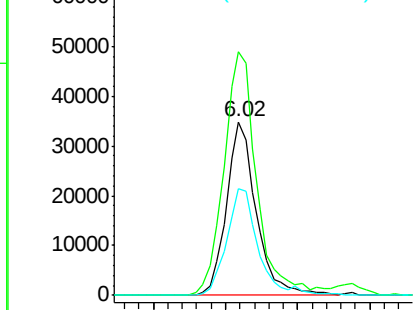
cis-1,2-Dichloroethene
Concen: 19.890 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

Tot Ion: 96 Resp: 100677
Ion Ratio Lower Upper
96 100
61 140.3 0.0 279.8
98 61.6 0.0 136.0



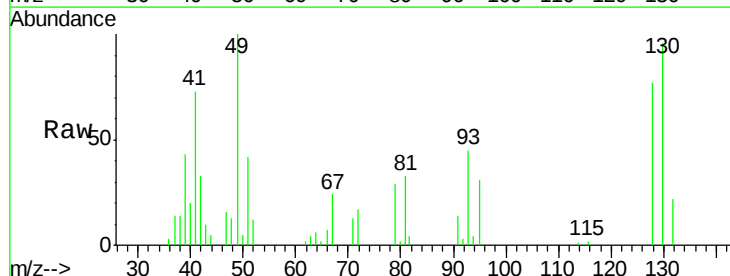
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



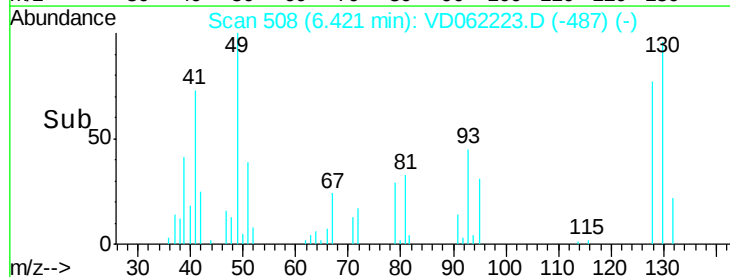
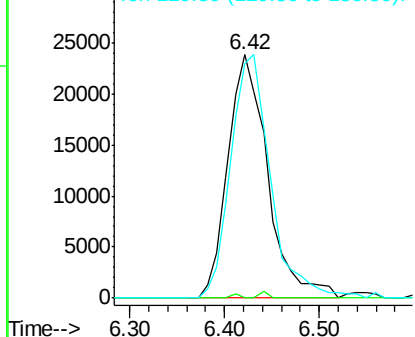
#28

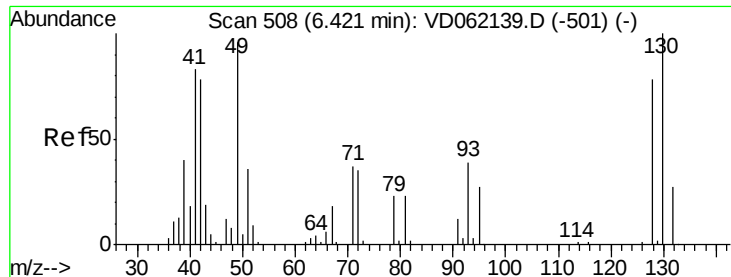
Bromochloromethane
Concen: 23.229 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion: 49 Resp: 69321
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 96.4 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

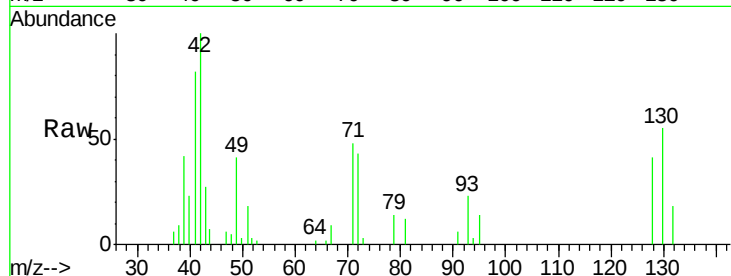




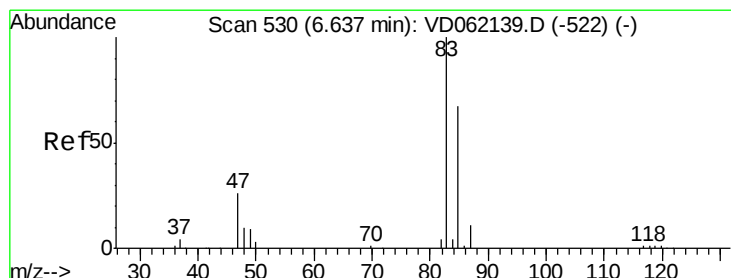
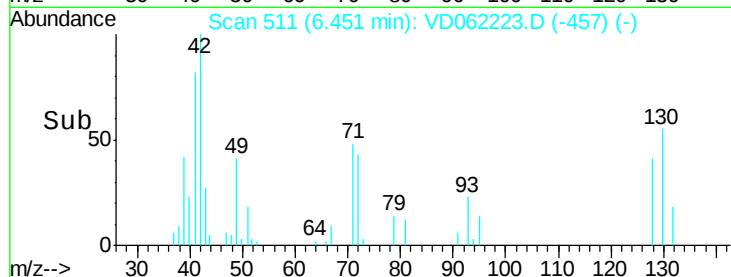
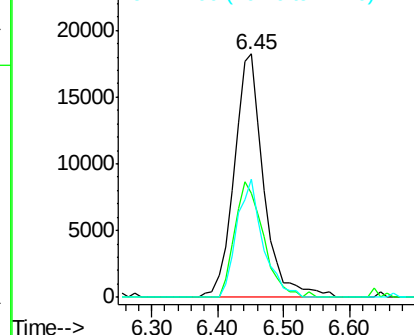
#29
Tetrahydrofuran
Concen: 109.357 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

Tot Ion: 42 Resp: 57087
Ion Ratio Lower Upper
42 100
72 46.6 37.8 56.6
71 43.2 36.7 55.1

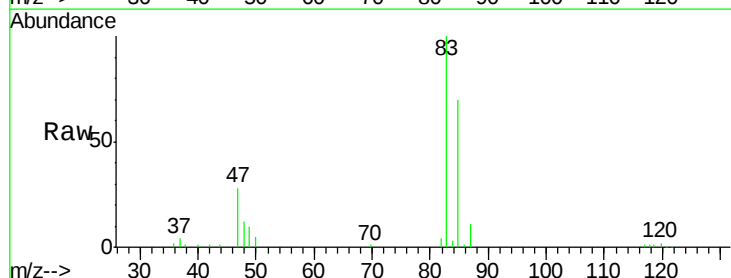


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

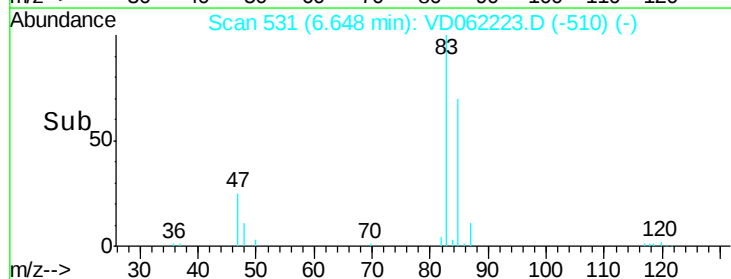
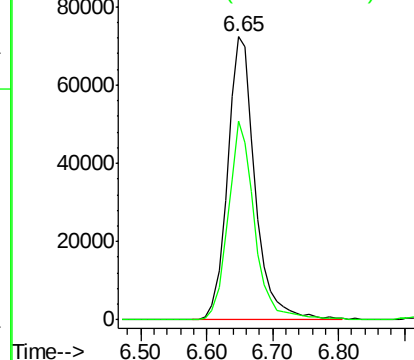


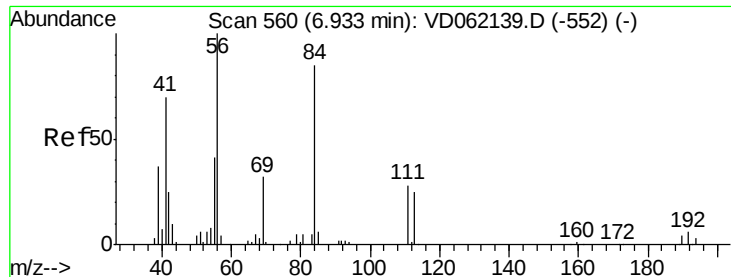
#30
Chloroform
Concen: 23.057 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion: 83 Resp: 210780
Ion Ratio Lower Upper
83 100
85 70.2 51.7 77.5



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

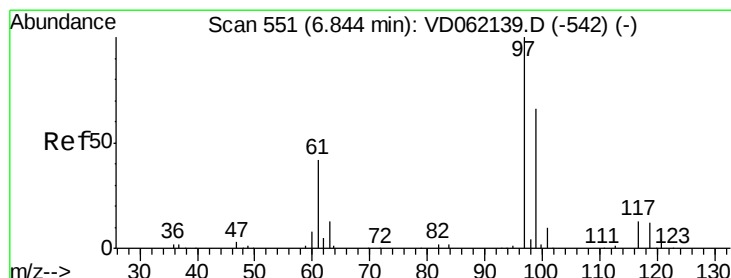
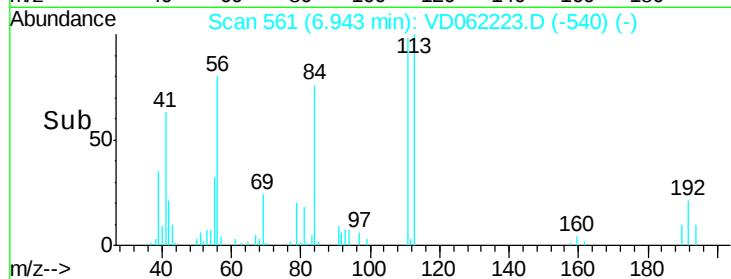
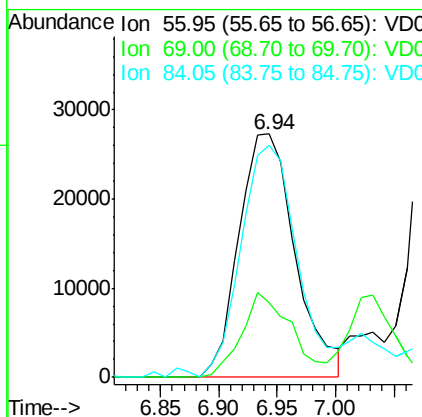
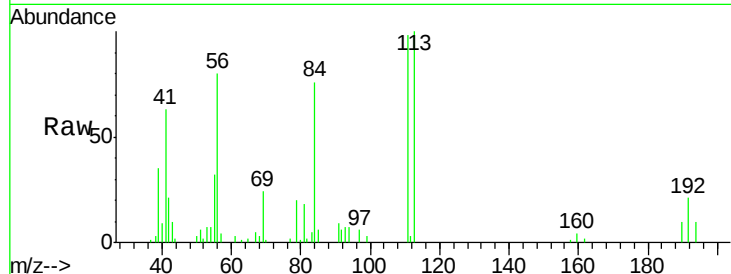




#31
Cyclohexane
Concen: 17.582 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

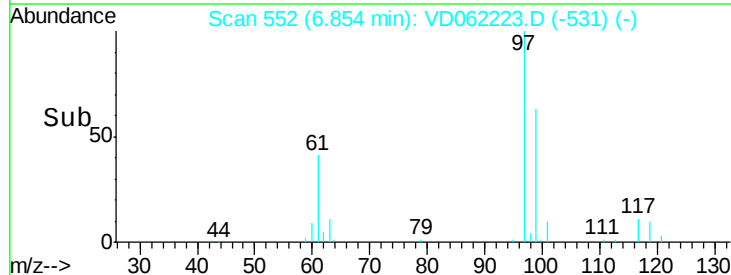
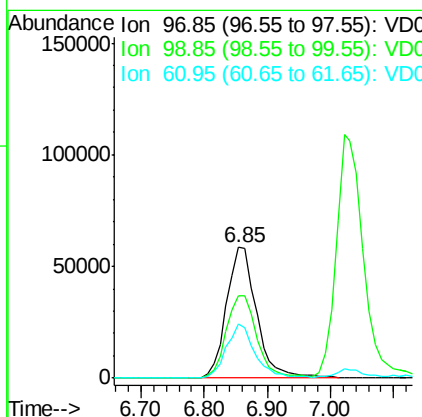
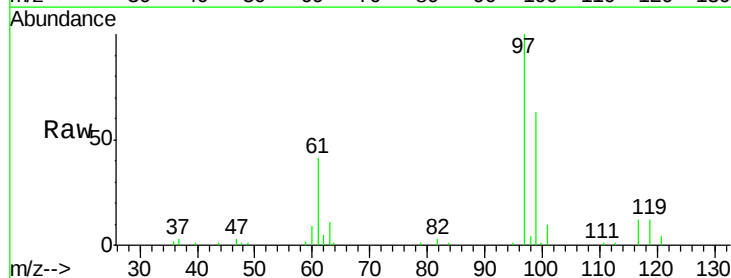
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

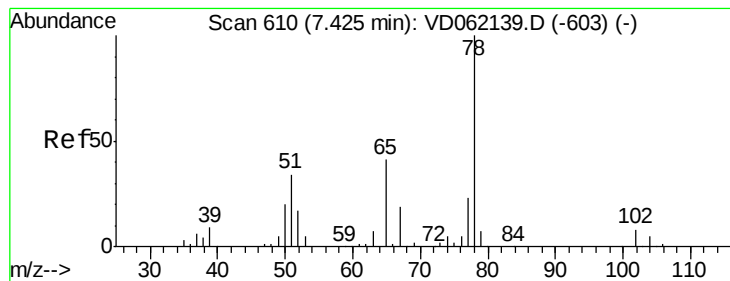
Tot Ion: 56 Resp: 91367
Ion Ratio Lower Upper
56 100
69 30.5 25.8 38.6
84 95.5 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 22.321 ug/l
RT: 6.85 min Scan# 552
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion: 97 Resp: 192865
Ion Ratio Lower Upper
97 100
99 62.7 52.2 78.2
61 41.2 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 67.104 ug/l

RT: 7.44 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

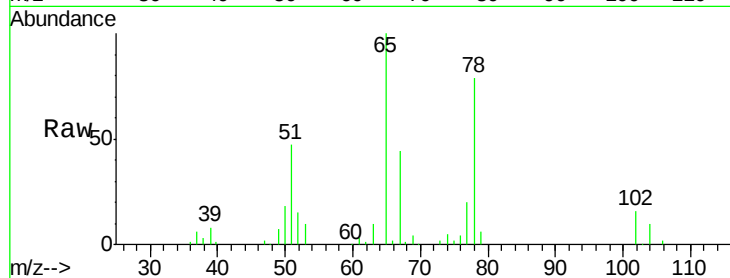
VD0510SBS02

Tot Ion: 65 Resp: 332364

Ion Ratio Lower Upper

65 100

67 43.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

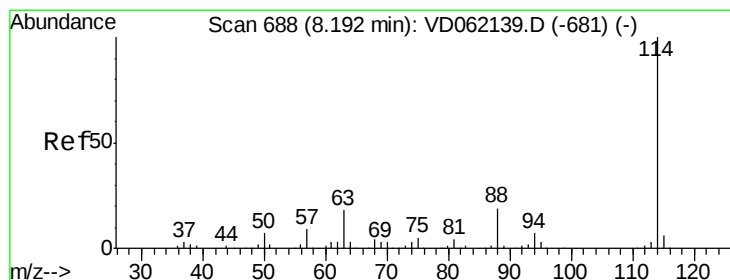
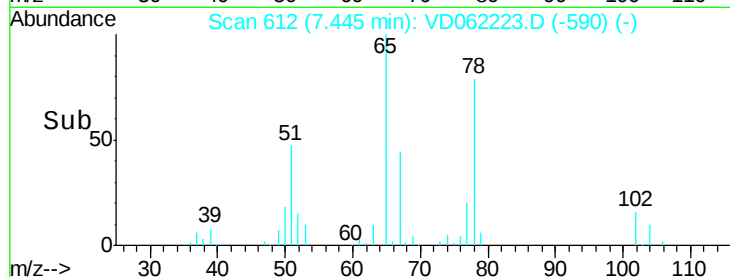
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

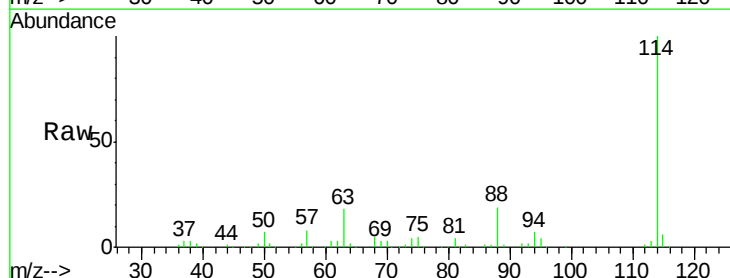
Tgt Ion: 114 Resp: 769950

Ion Ratio Lower Upper

114 100

63 18.5 0.0 32.4

88 18.6 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

400000

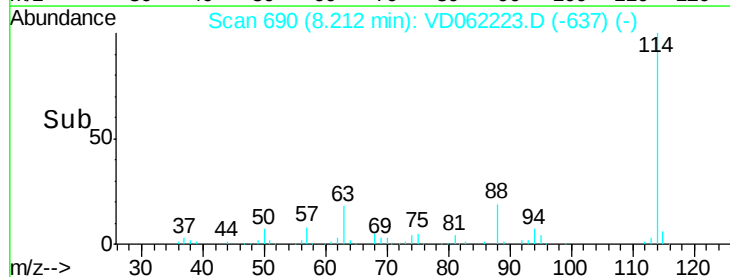
300000

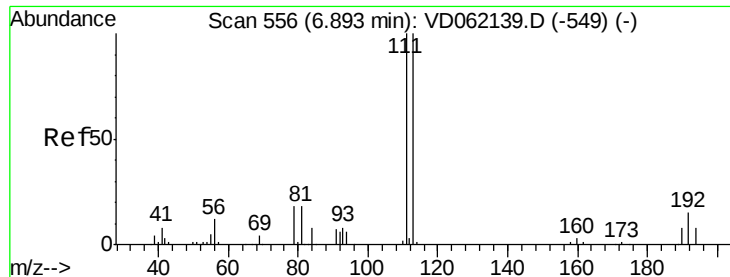
200000

100000

0

Time--> 8.00 8.20 8.40





#35

Dibromofluoromethane

Concen: 57.648 ug/l

RT: 6.91 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

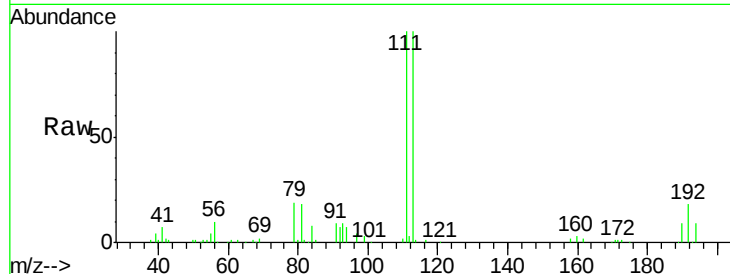
Tot Ion:113 Resp: 368274

Ion Ratio Lower Upper

113 100

111 100.0 78.5 117.7

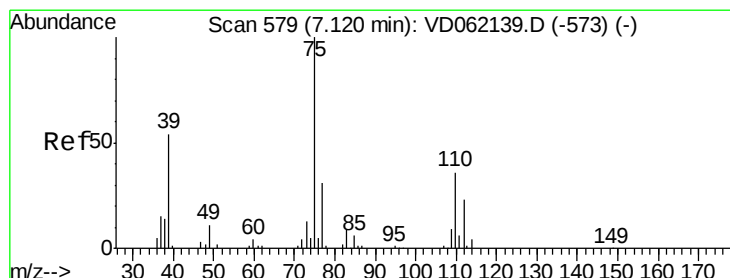
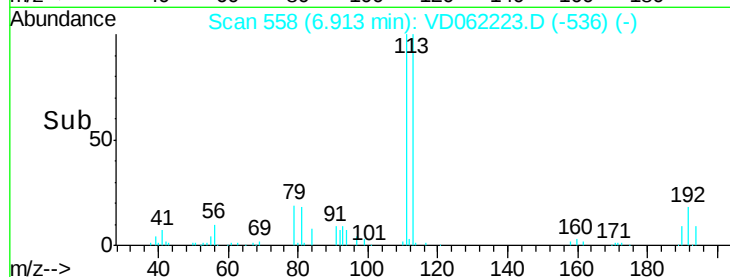
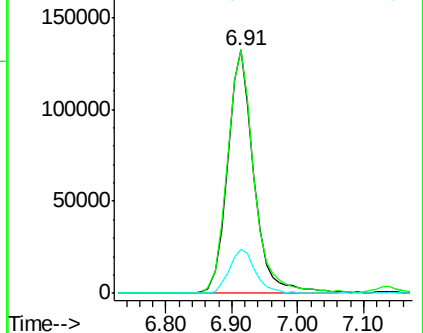
192 18.2 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.307 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

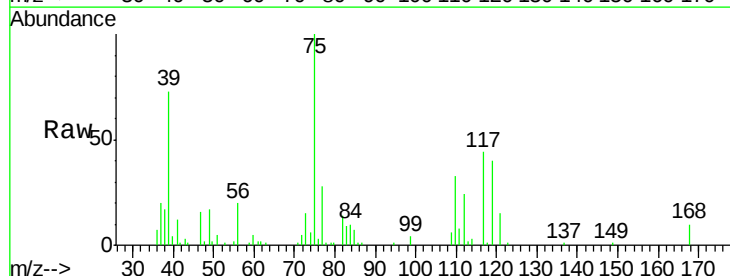
Tgt Ion: 75 Resp: 134507

Ion Ratio Lower Upper

75 100

110 32.8 19.1 57.1

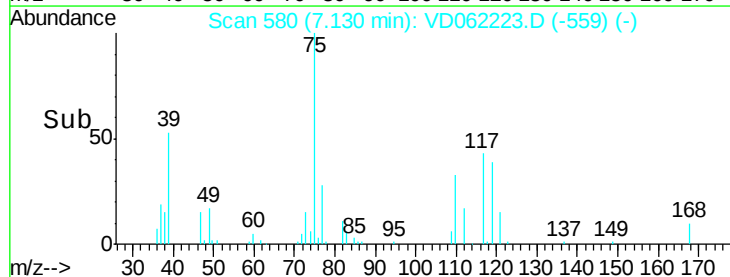
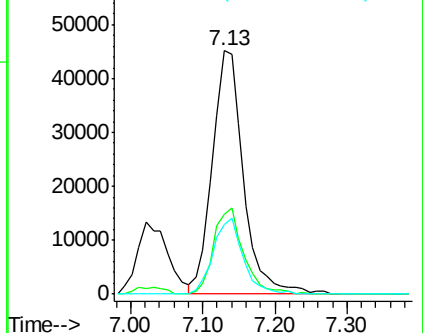
77 28.3 25.6 38.4

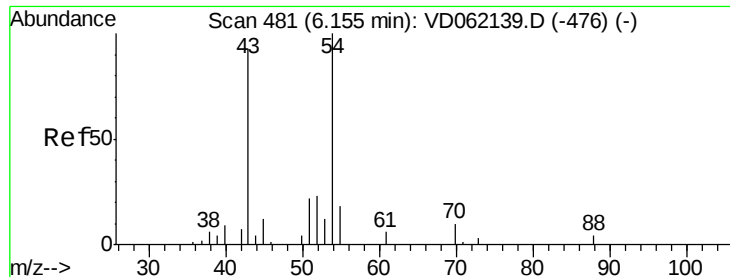


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

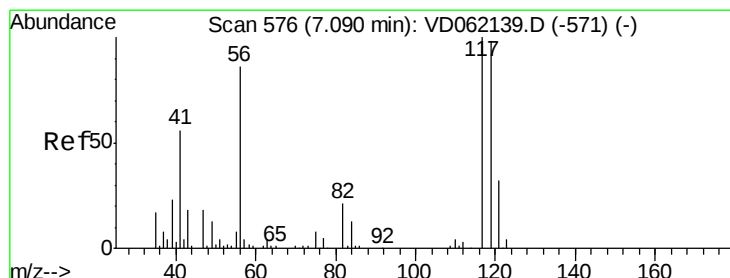
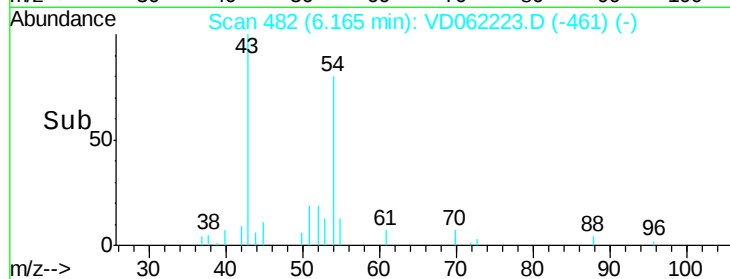
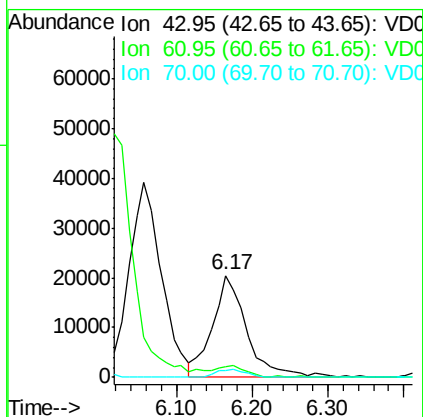
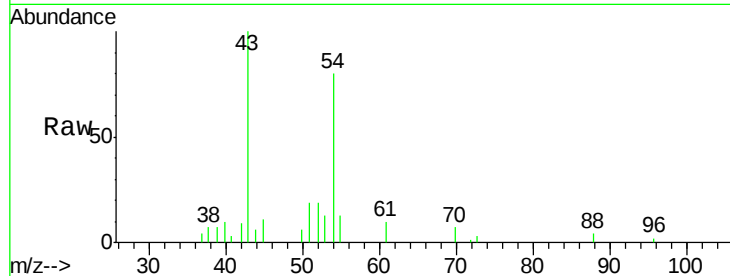




#37
Ethyl Acetate
Concen: 24.229 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

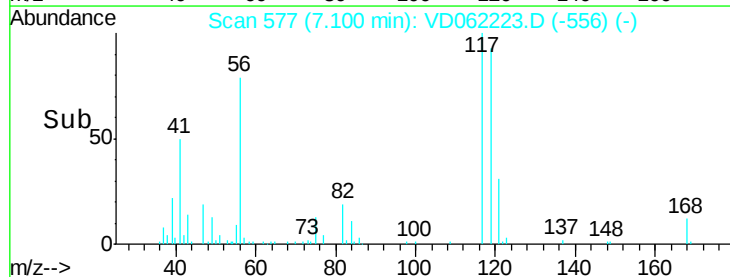
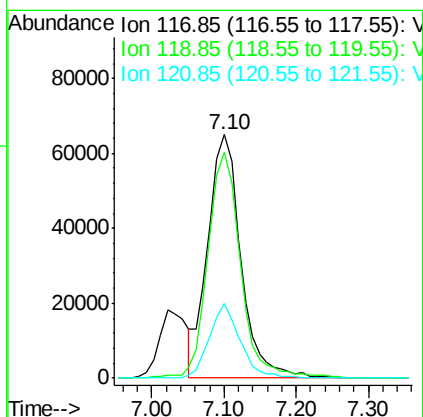
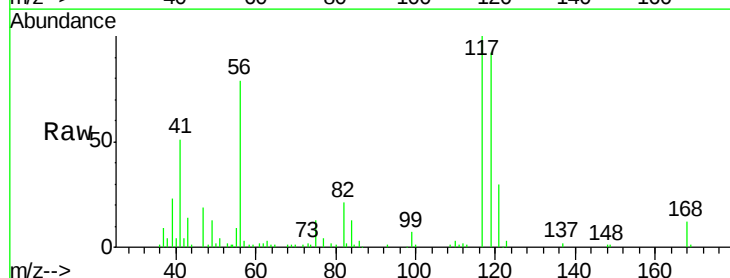
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

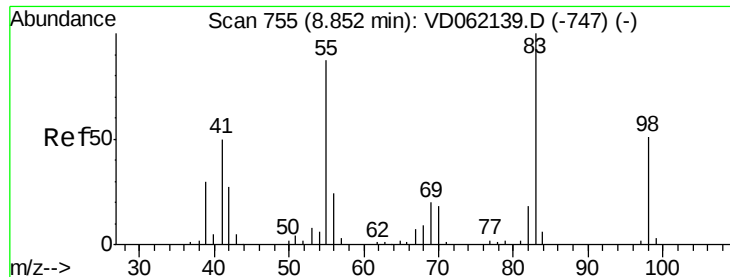
Tot Ion: 43 Resp: 64867
Ion Ratio Lower Upper
43 100
61 10.2 14.7 22.1#
70 6.9 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 23.644 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion: 117 Resp: 206593
Ion Ratio Lower Upper
117 100
119 92.5 75.8 113.8
121 30.4 25.9 38.9

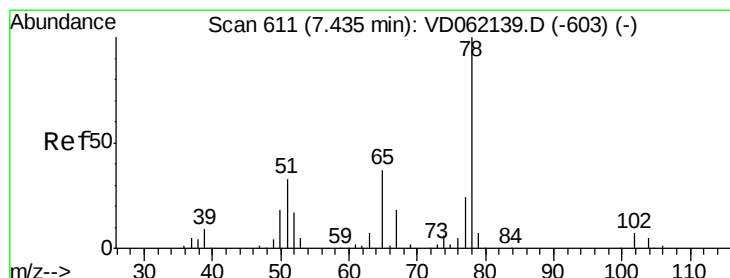
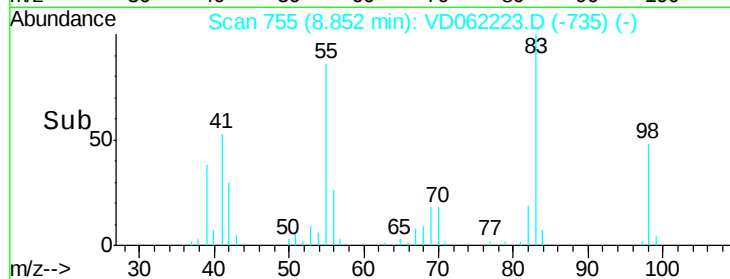
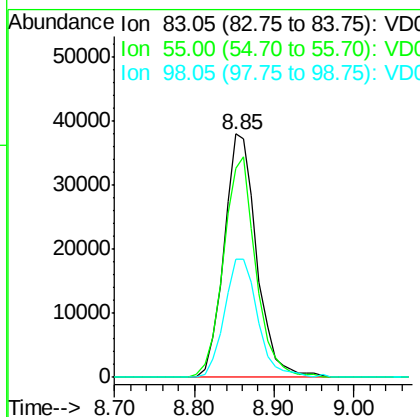
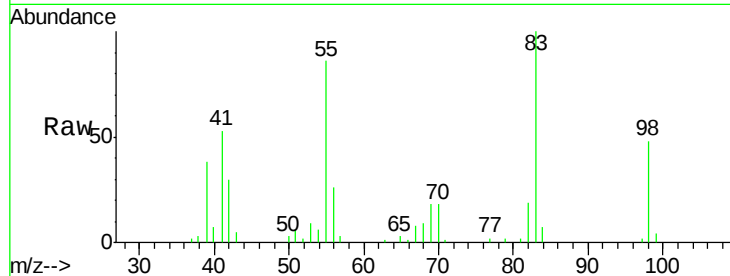




#39
Methvlcvclohexane
Concen: 18.000 ug/l
RT: 8.85 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

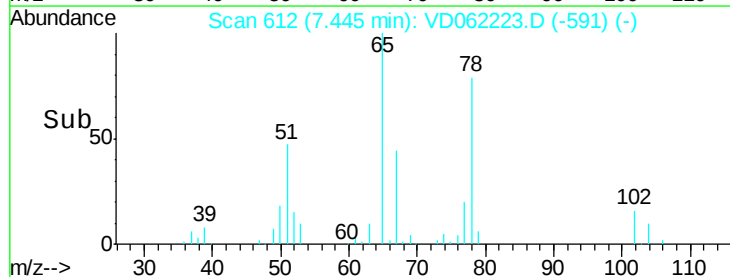
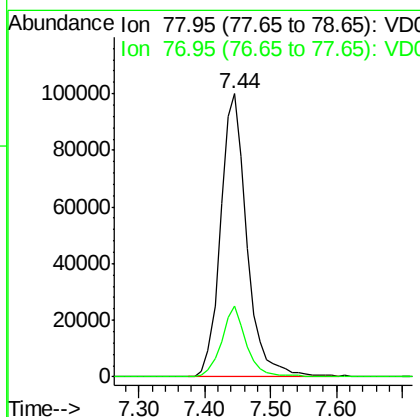
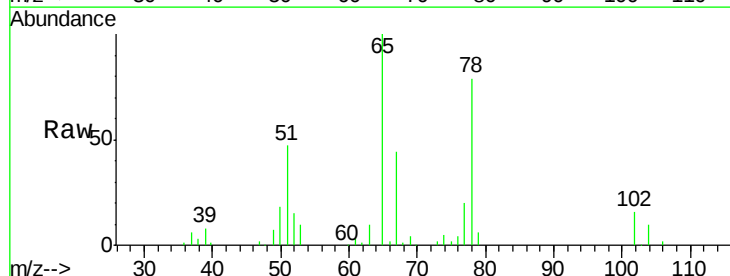
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

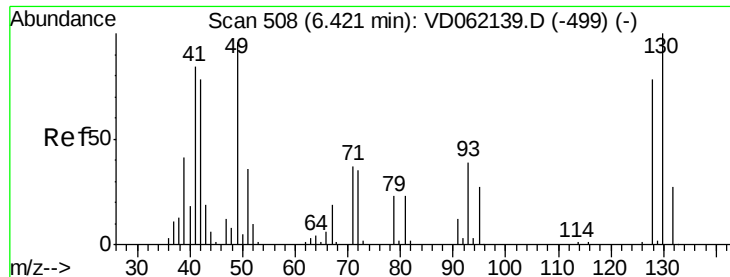
Tot Ion: 83 Resp: 108871
Ion Ratio Lower Upper
83 100
55 85.6 68.2 102.4
98 48.5 38.2 57.4



#40
Benzene
Concen: 19.515 ug/l
RT: 7.44 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion: 78 Resp: 278195
Ion Ratio Lower Upper
78 100
77 24.8 19.7 29.5





#41

Methacrylonitrile

Concen: 22.836 ug/l

RT: 6.43 min Scan# 509

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

Tot Ion: 41 Resp: 74711

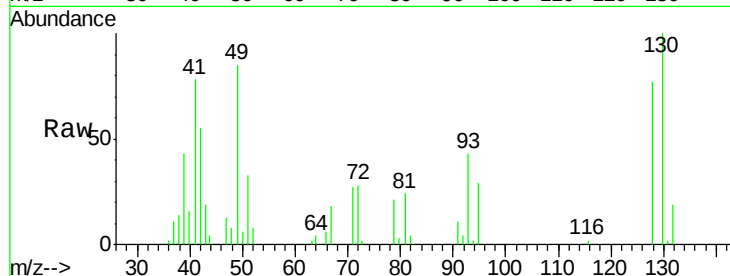
Ion Ratio Lower Upper

41 100

39 55.7 34.1 51.1#

67 23.3 23.8 35.6#

52 10.4 8.8 13.2

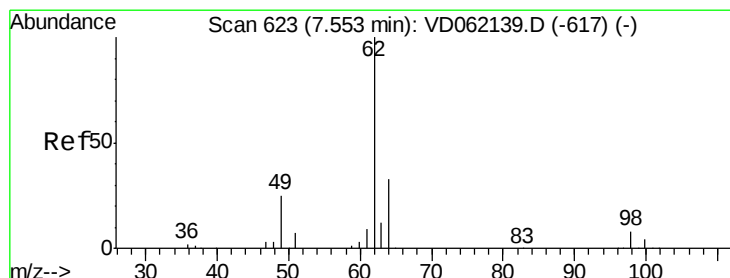
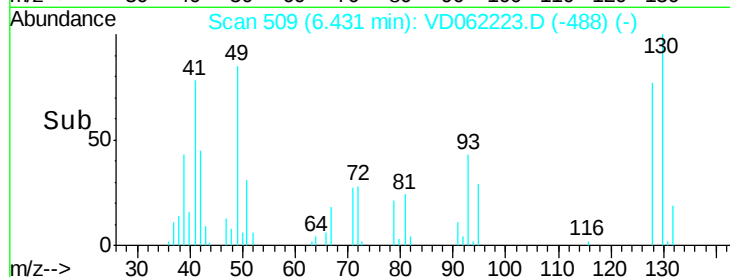
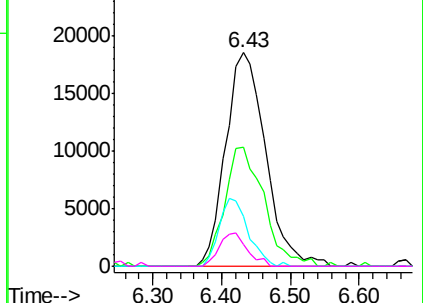


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 23.215 ug/l

RT: 7.56 min Scan# 624

Delta R.T. 0.01 min

Lab File: VD062223.D

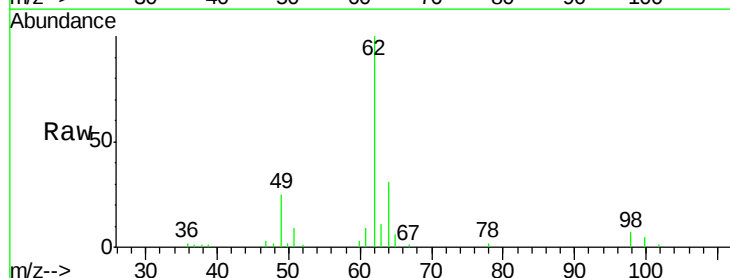
Acq: 10 May 2019 19:33

Tgt Ion: 62 Resp: 140212

Ion Ratio Lower Upper

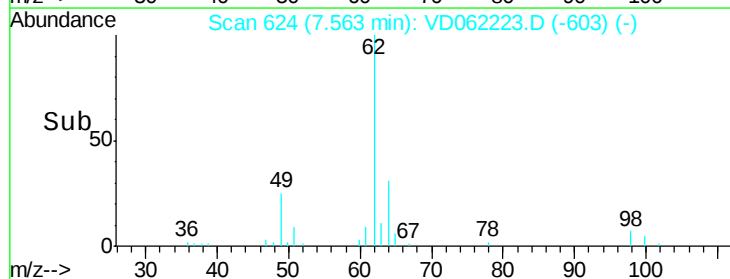
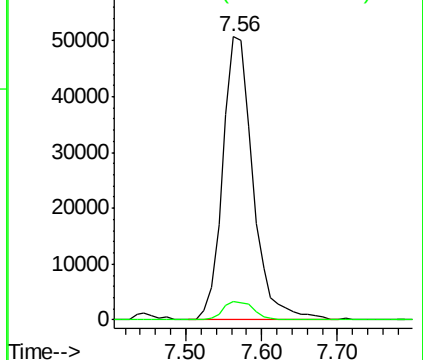
62 100

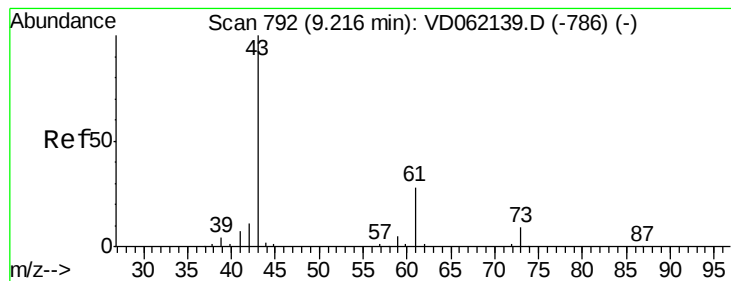
98 6.6 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



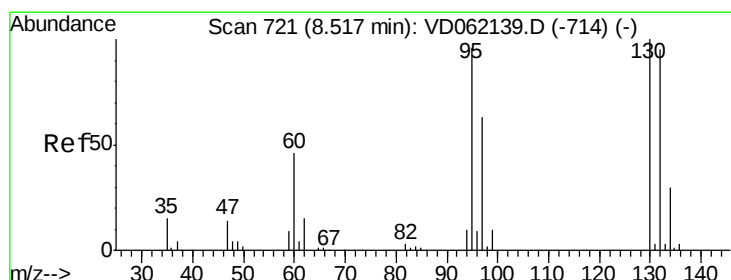
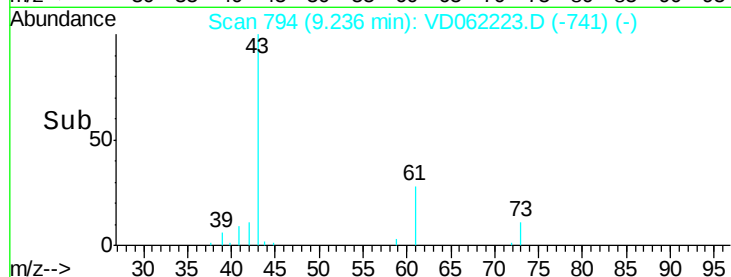
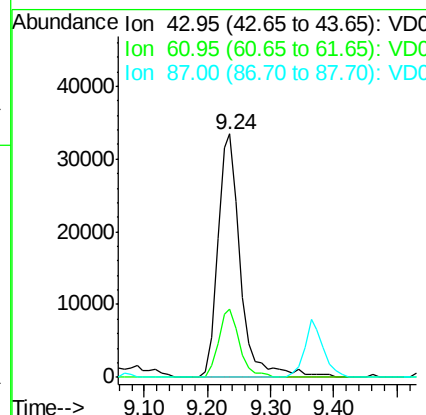
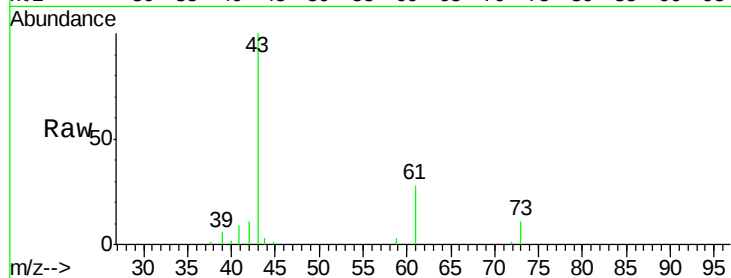


#43

Isopropyl Acetate
 Concen: 22.094 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.02 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

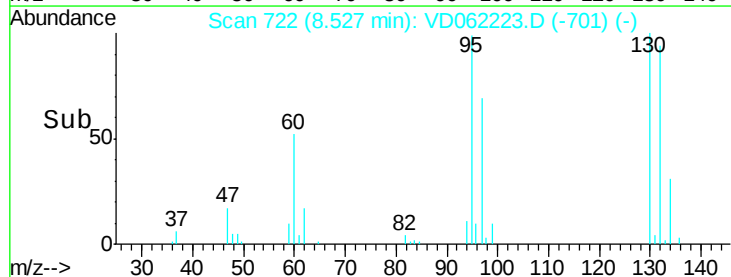
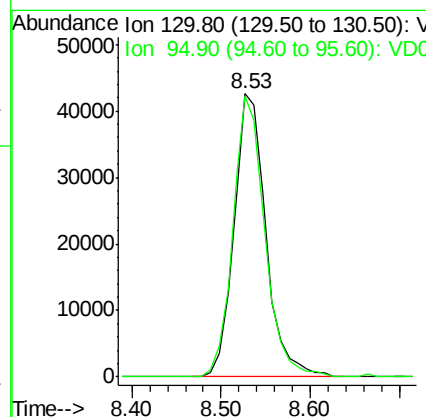
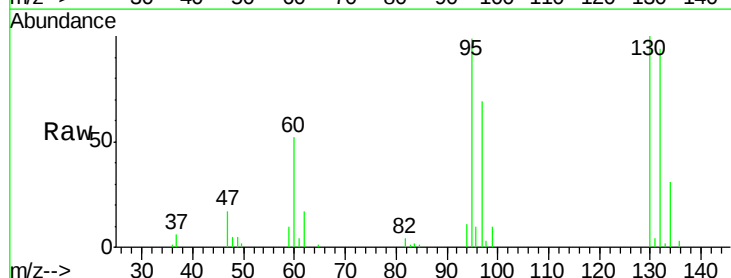
Tot Ion: 43 Resp: 83889
 Ion Ratio Lower Upper
 43 100
 61 28.2 25.1 37.7
 87 0.0 0.0 0.0



#44

Trichloroethene
 Concen: 19.574 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Tgt Ion: 130 Resp: 106327
 Ion Ratio Lower Upper
 130 100
 95 99.3 0.0 174.0





#45

1,2-Dichloropropane

Concen: 18.902 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

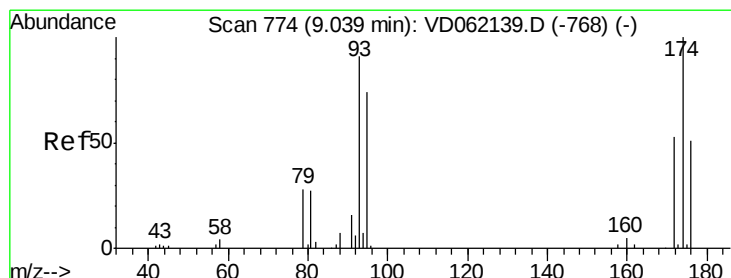
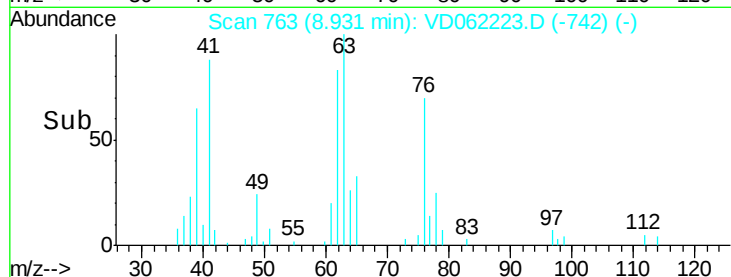
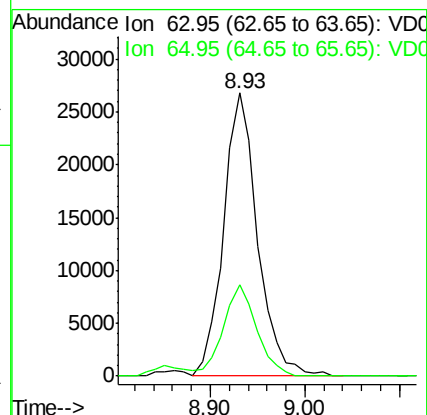
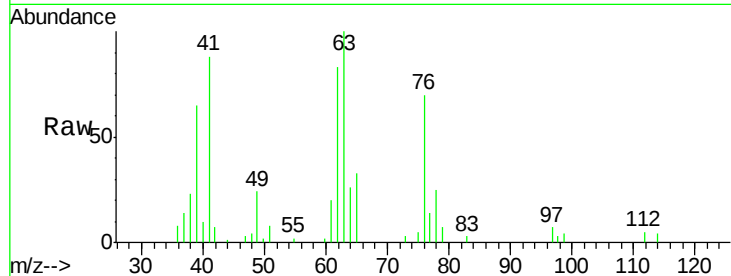
VD0510SBS02

Tot Ion: 63 Resp: 66650

Ion Ratio Lower Upper

63 100

65 32.5 23.8 35.6



#46

Dibromomethane

Concen: 21.075 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

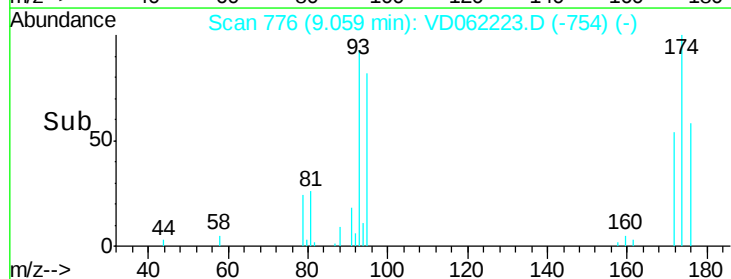
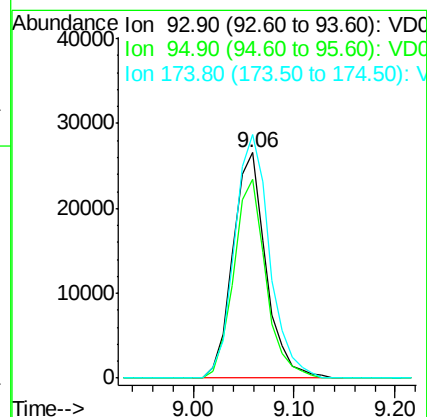
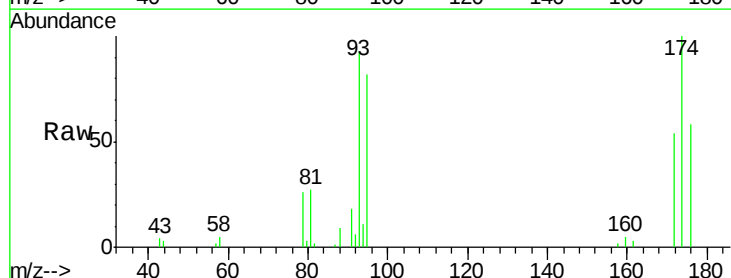
Tgt Ion: 93 Resp: 60430

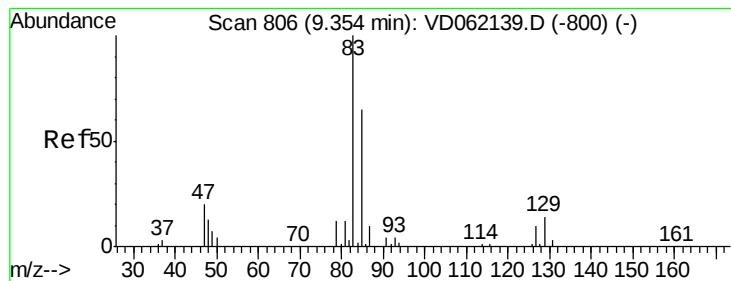
Ion Ratio Lower Upper

93 100

95 88.0 64.8 97.2

174 107.9 79.3 118.9





#47

Bromodichloromethane

Concen: 22.383 ug/l

RT: 9.36 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

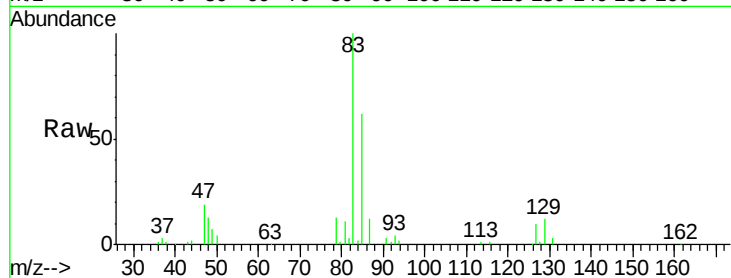
Tot Ion: 83 Resp: 156988

Ion Ratio Lower Upper

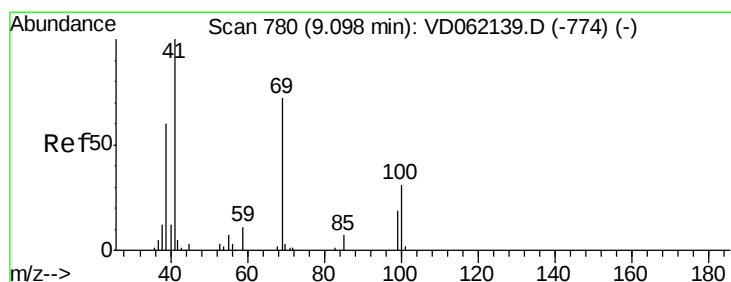
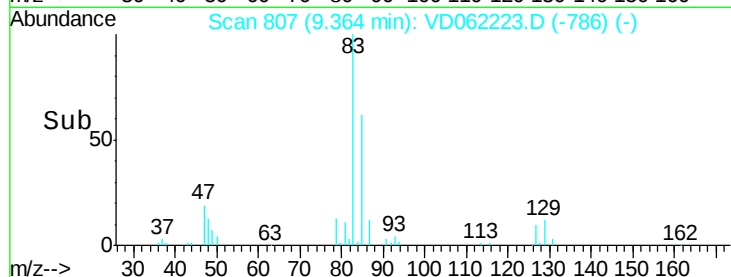
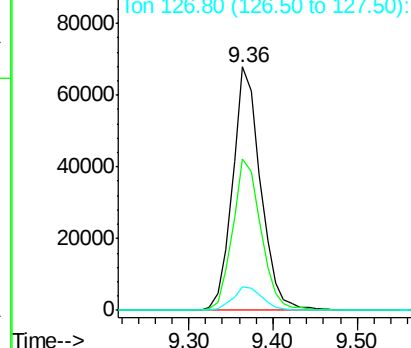
83 100

85 62.1 50.9 76.3

127 9.6 8.1 12.1



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



#48

Methyl methacrylate

Concen: 23.920 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

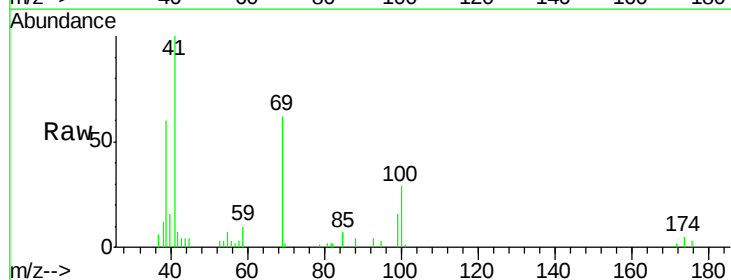
Tgt Ion: 41 Resp: 55942

Ion Ratio Lower Upper

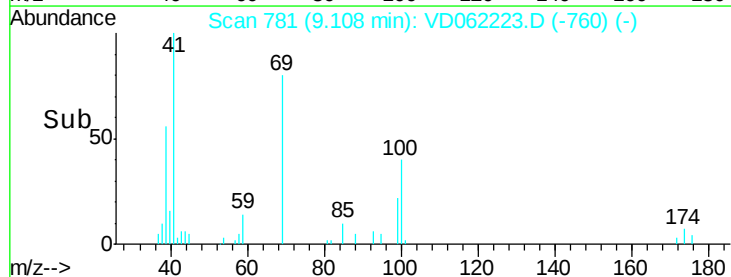
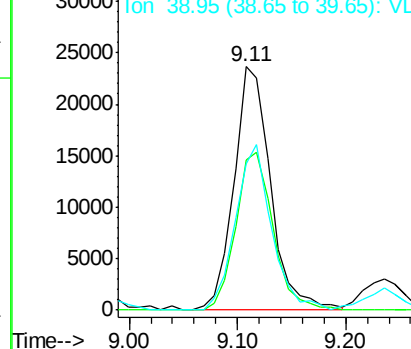
41 100

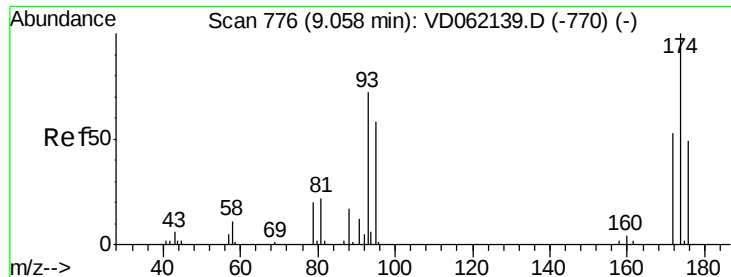
69 61.6 64.2 96.2#

39 60.3 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

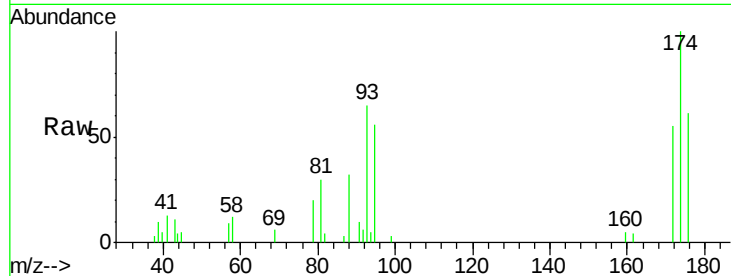




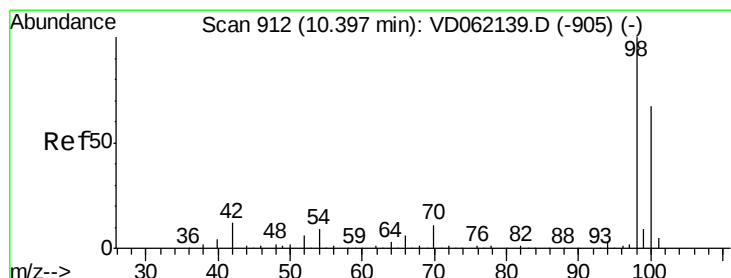
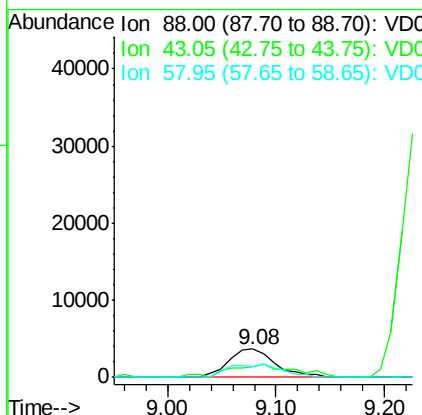
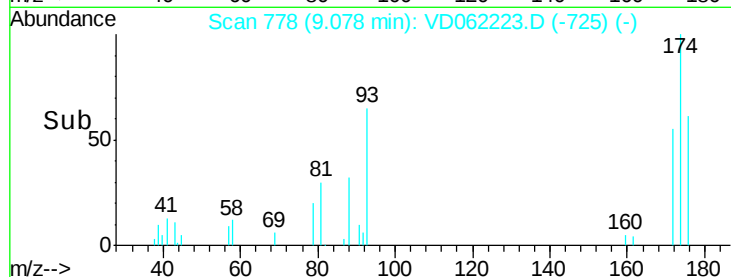
#49
1,4-Dioxane
Concen: 430.141 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.02 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

Tot Ion: 88 Resp: 10854
Ion Ratio Lower Upper
88 100
43 35.6 23.4 35.0#
58 38.9 44.0 66.0#

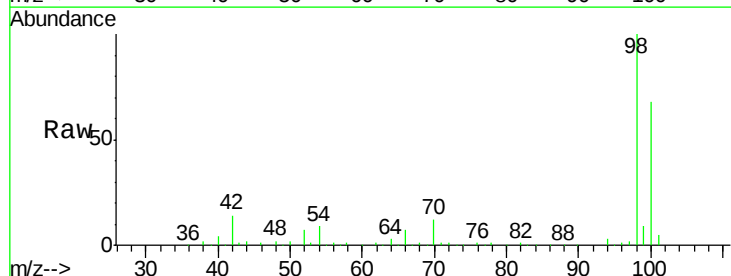


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

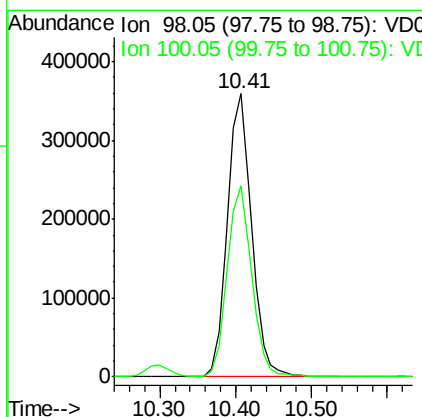
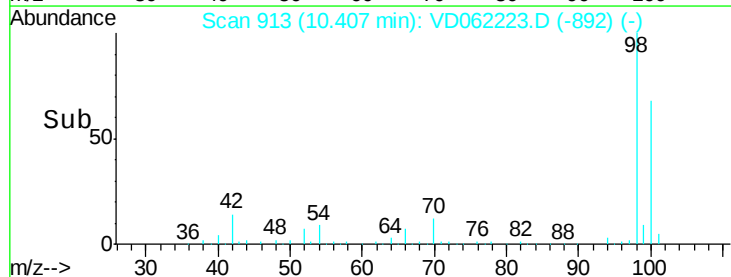


#50
Toluene-d8
Concen: 51.549 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion: 98 Resp: 793996
Ion Ratio Lower Upper
98 100
100 67.5 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: 118.263 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

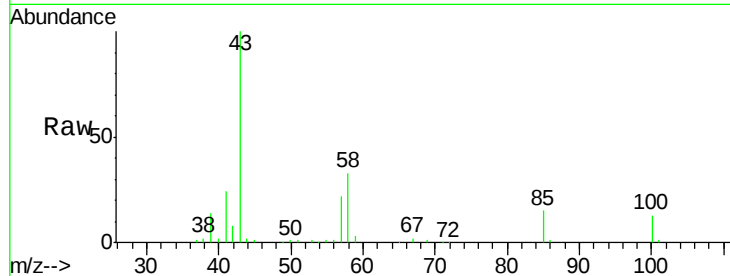
VD0510SBS02

Tot Ion: 43 Resp: 288640

Ion Ratio Lower Upper

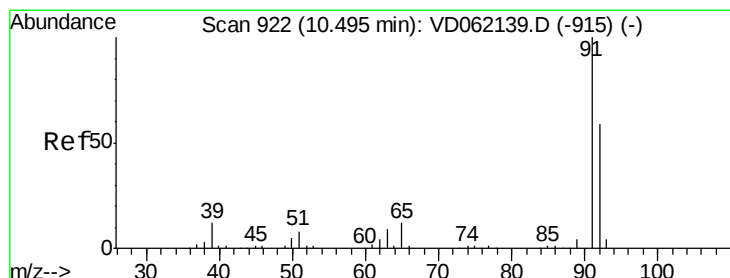
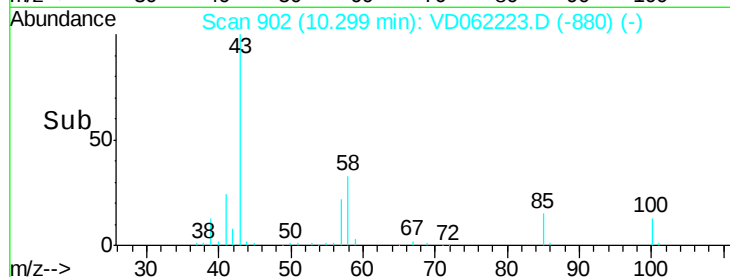
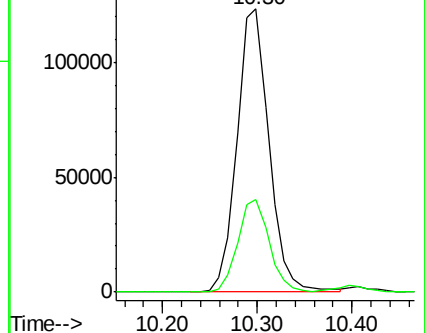
43 100

58 32.9 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.397 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD062223.D

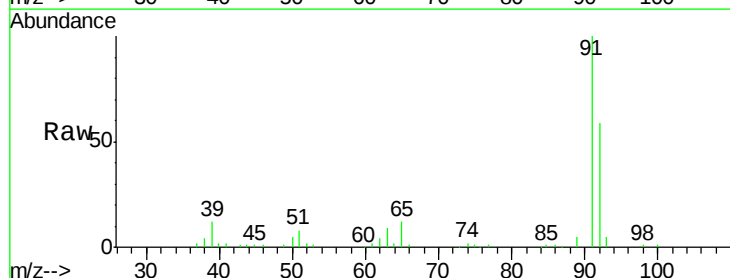
Acq: 10 May 2019 19:33

Tgt Ion: 92 Resp: 189179

Ion Ratio Lower Upper

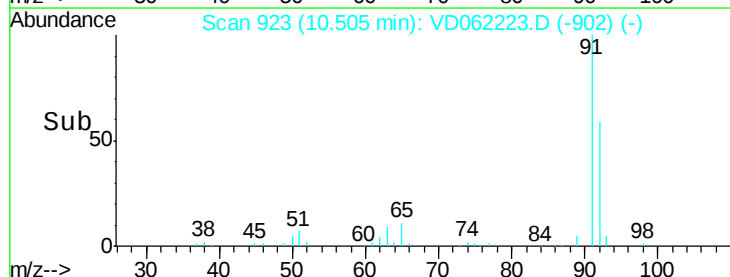
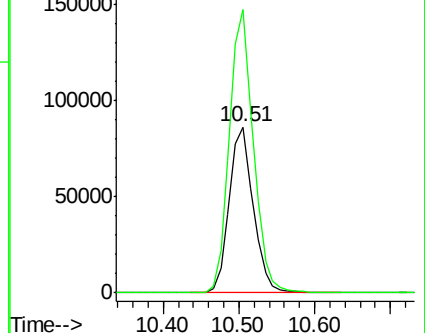
92 100

91 170.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

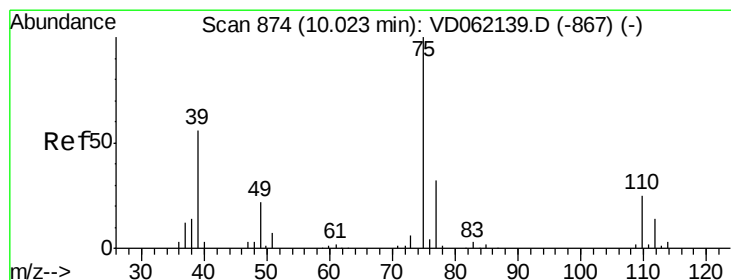
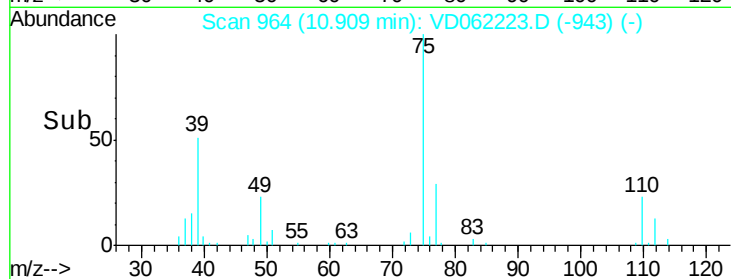
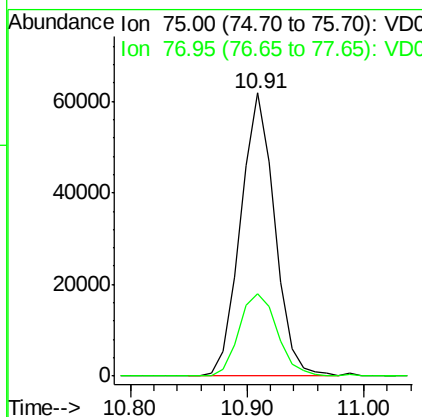
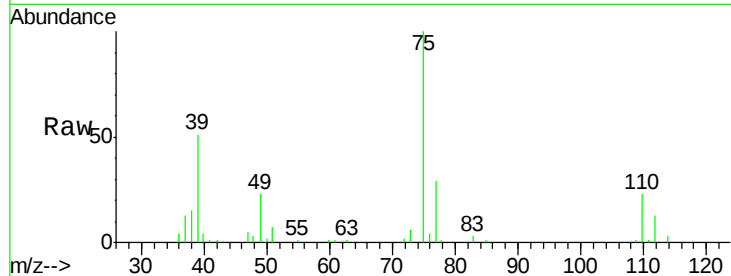




#53
 t-1,3-Dichloropropene
 Concen: 20.653 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

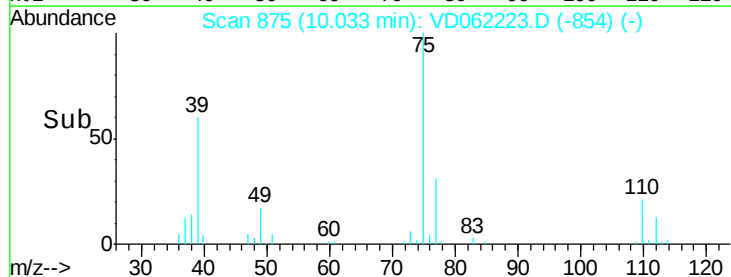
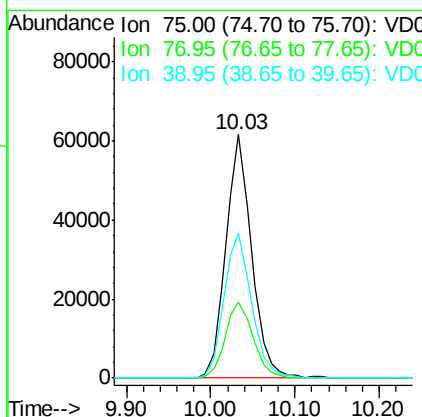
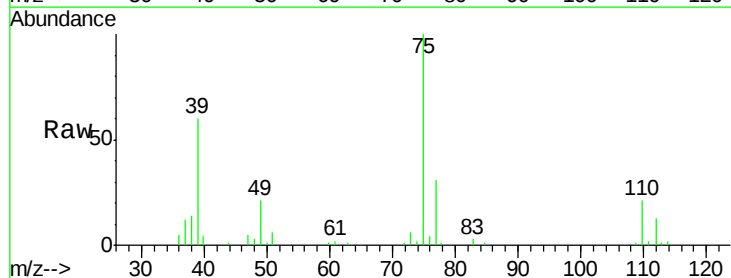
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

Tot Ion: 75 Resp: 125193
 Ion Ratio Lower Upper
 75 100
 77 29.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.786 ug/l
 RT: 10.03 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Tgt Ion: 75 Resp: 130840
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.5 38.3
 39 59.8 39.4 59.2#

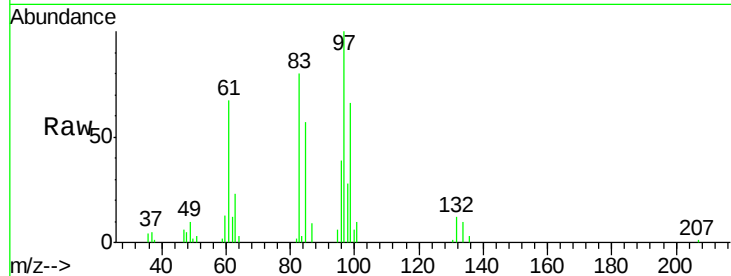




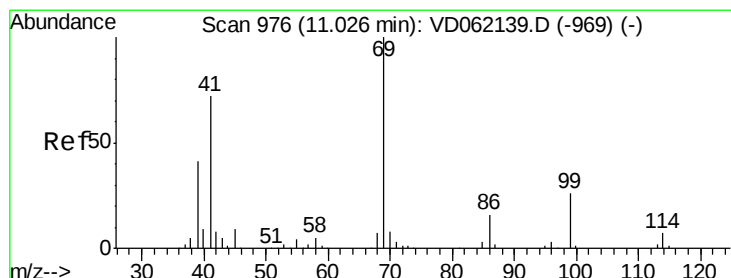
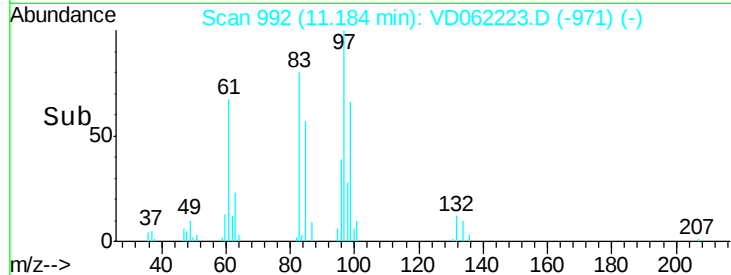
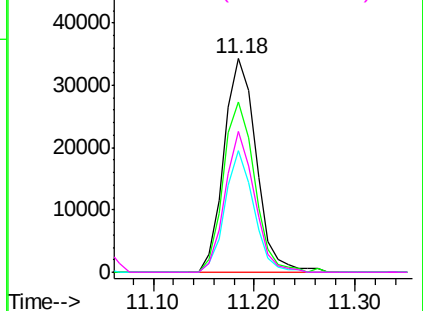
#55
 1,1,2-Trichloroethane
 Concen: 23.276 ug/l
 RT: 11.18 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

Tot Ion:	97	Resp:	76385
Ion	Ratio	Lower	Upper
97	100		
83	82.8	65.7	98.5
85	56.7	45.6	68.4
99	65.7	48.4	72.6

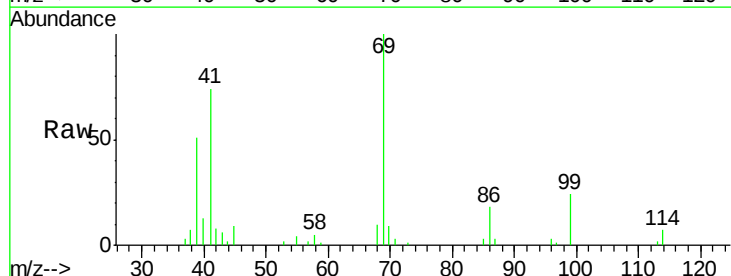


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

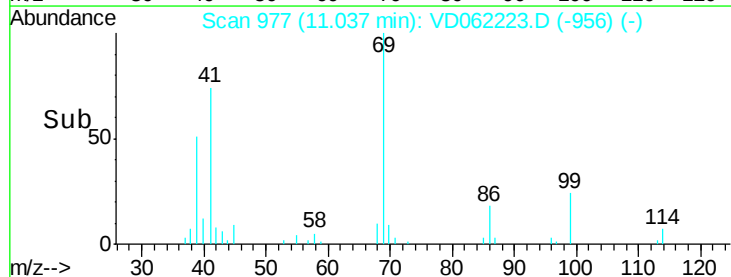
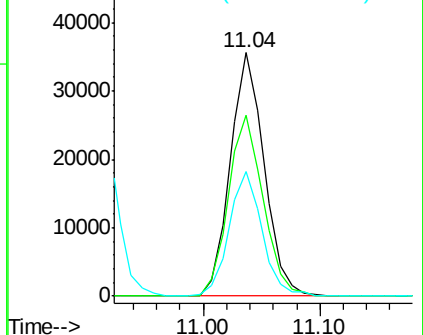


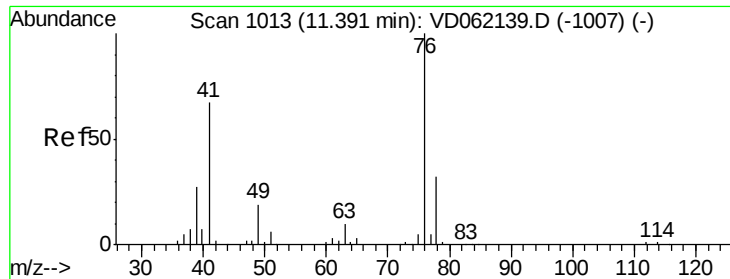
#56
 Ethyl methacrylate
 Concen: 21.002 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Tgt Ion:	69	Resp:	71619
Ion	Ratio	Lower	Upper
69	100		
41	74.1	56.3	84.5
39	51.4	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: 21.857 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

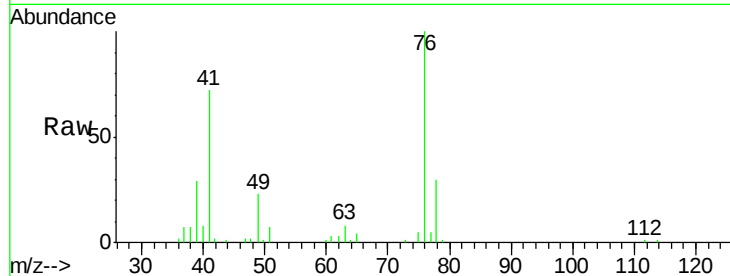
VD0510SBS02

Tot Ion: 76 Resp: 108364

Ion Ratio Lower Upper

76 100

78 30.3 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

60000

50000

40000

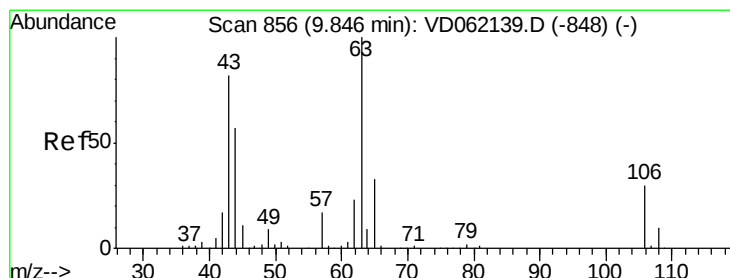
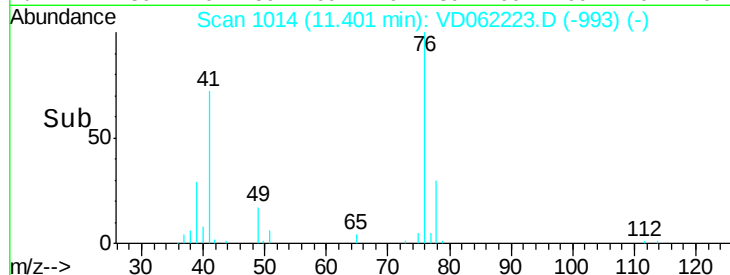
30000

20000

10000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 110.575 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD062223.D

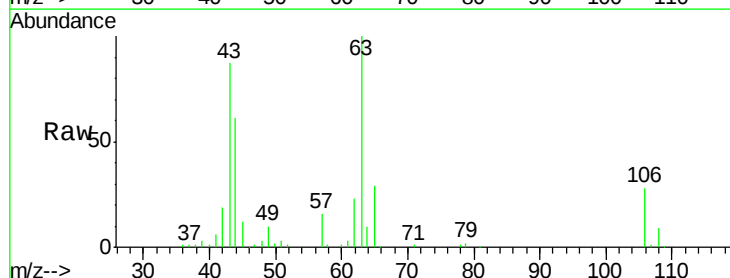
Acq: 10 May 2019 19:33

Tgt Ion: 63 Resp: 205975

Ion Ratio Lower Upper

63 100

106 27.9 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

100000

80000

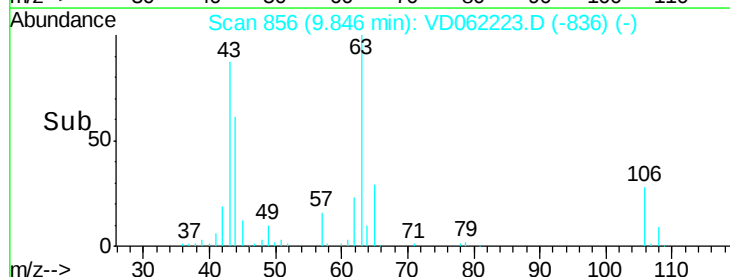
60000

40000

20000

0

Time--> 9.70 9.80 9.90 10.00

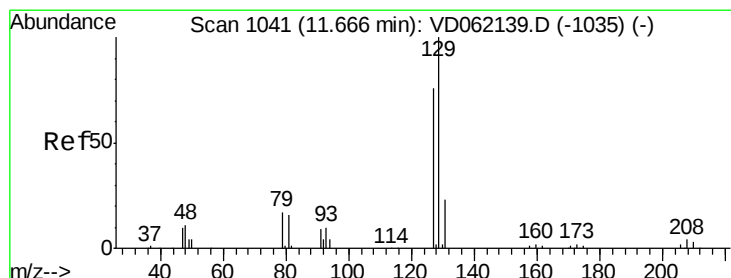
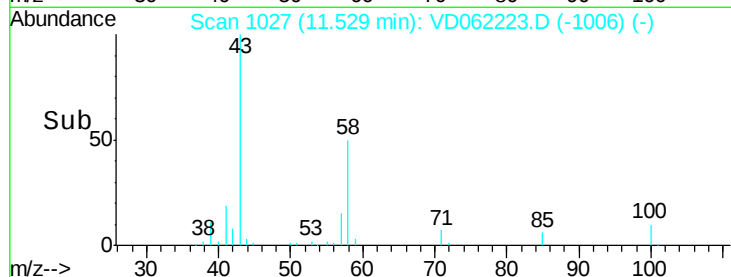
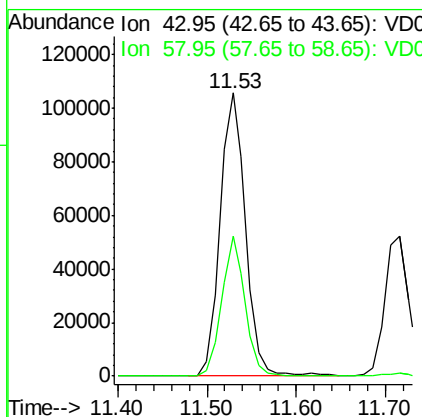
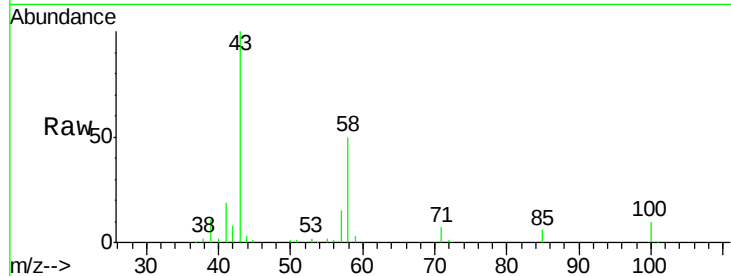




#59
2-Hexanone
Concen: 117.326 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

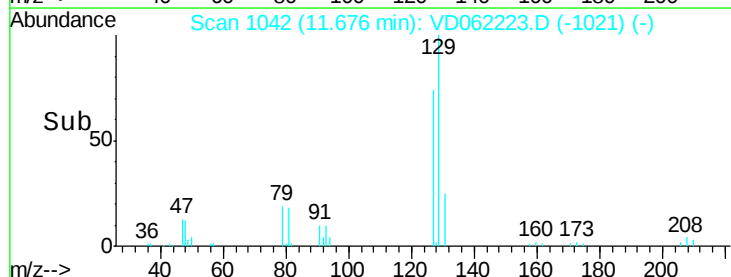
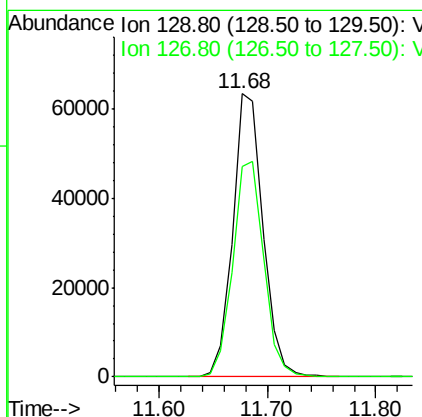
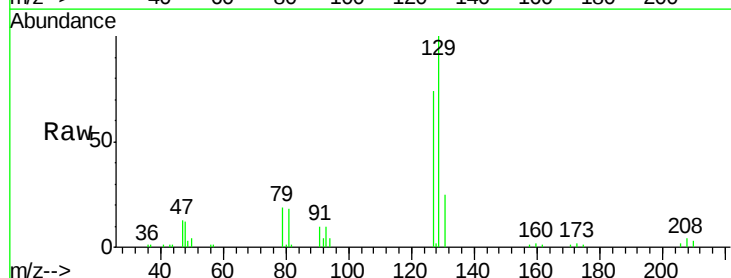
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

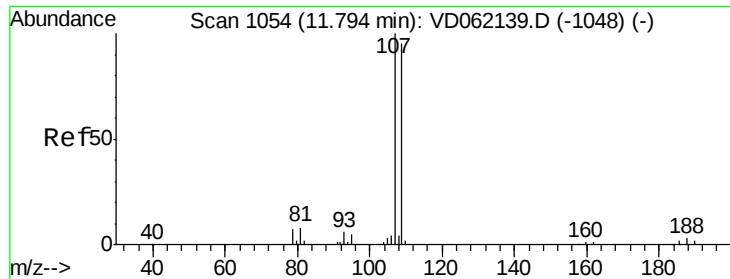
Tot Ion: 43 Resp: 211052
Ion Ratio Lower Upper
43 100
58 49.6 25.4 76.4



#60
Dibromochloromethane
Concen: 21.723 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion: 129 Resp: 123201
Ion Ratio Lower Upper
129 100
127 74.3 38.0 113.9

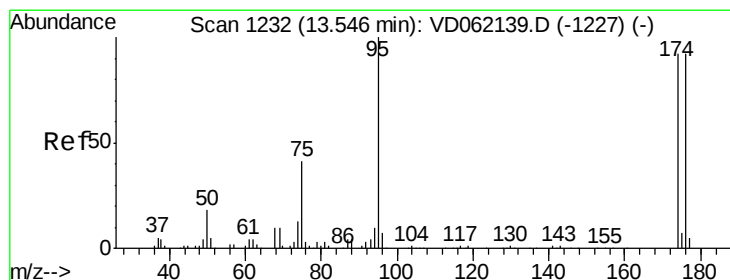
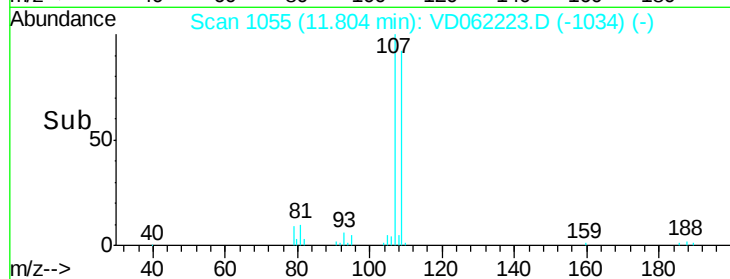
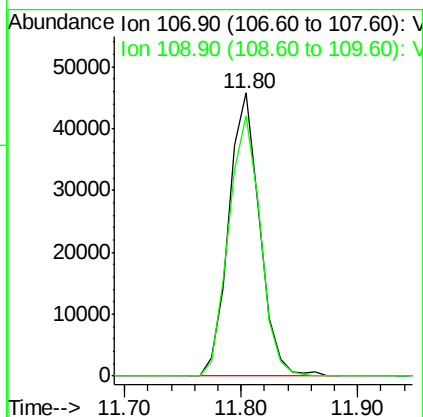
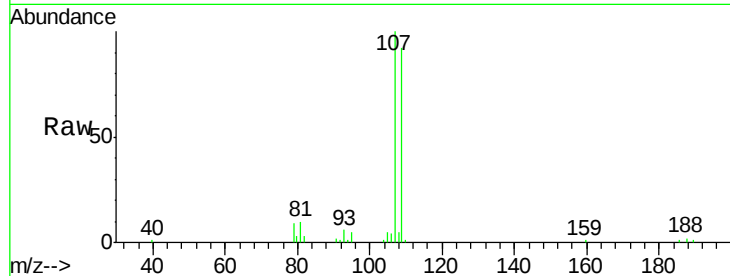




#61
 1,2-Dibromoethane
 Concen: 21.074 ug/l
 RT: 11.80 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

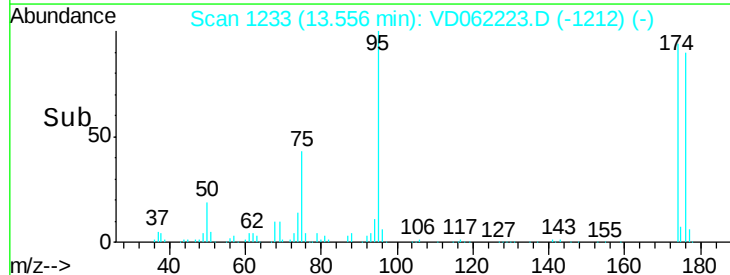
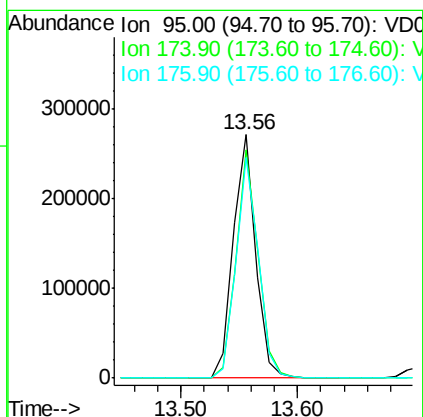
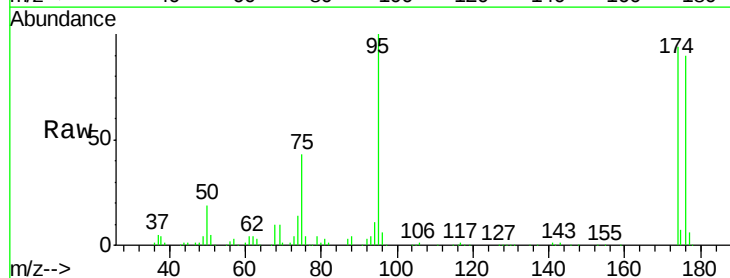
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

Tot Ion:107 Resp: 84079
 Ion Ratio Lower Upper
 107 100
 109 92.2 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 57.855 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Tgt Ion: 95 Resp: 357847
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 181.8
 176 90.4 0.0 174.4

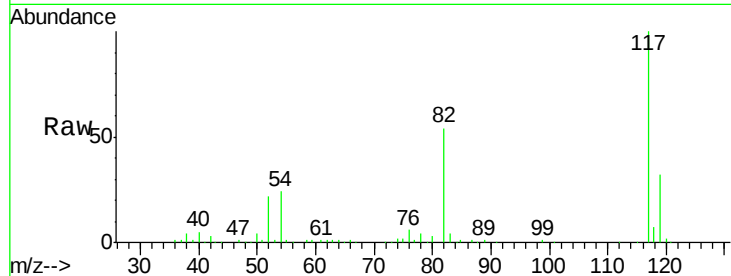




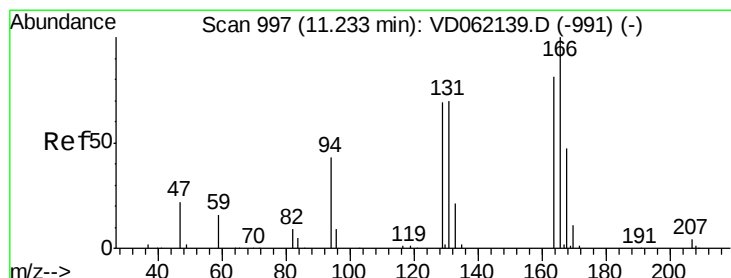
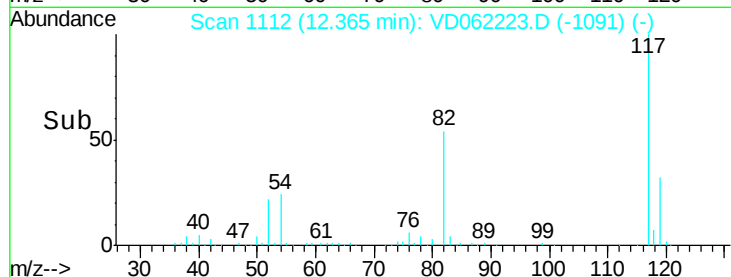
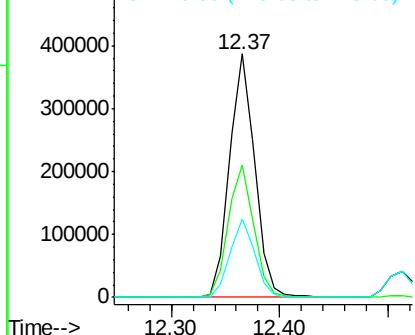
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

Tot Ion:117 Resp: 629446
Ion Ratio Lower Upper
117 100
82 54.3 36.2 54.2#
119 32.4 26.2 39.4

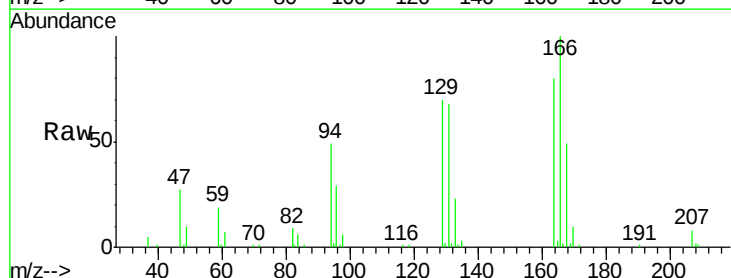


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

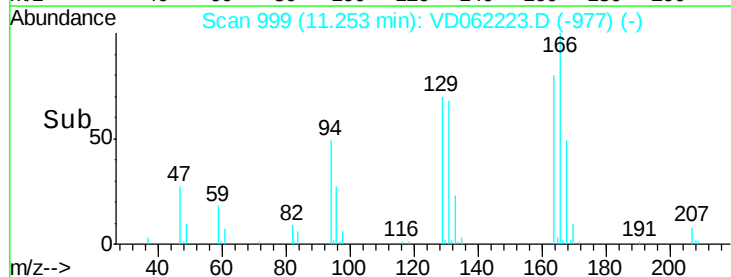
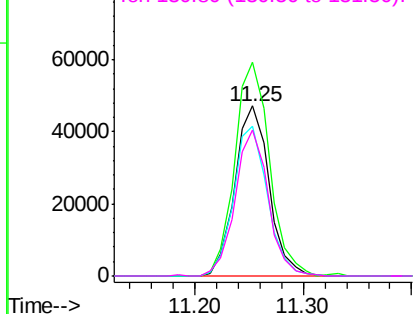


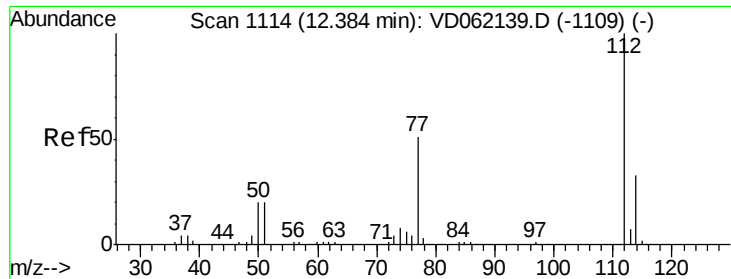
#64
Tetrachloroethene
Concen: 20.991 ug/l
RT: 11.25 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion:164 Resp: 103320
Ion Ratio Lower Upper
164 100
166 125.7 101.5 152.3
129 87.8 74.6 112.0
131 85.8 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

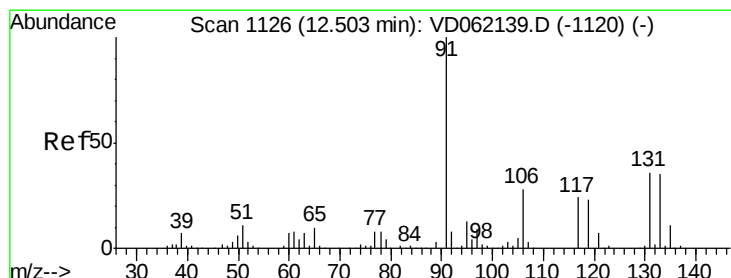
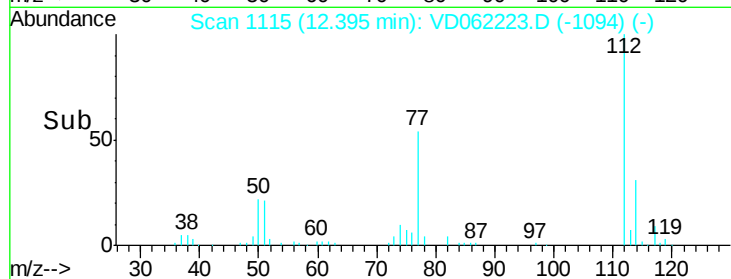
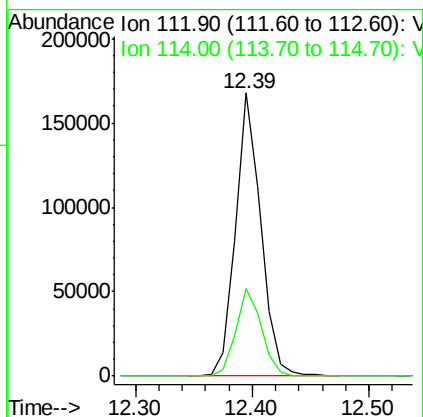
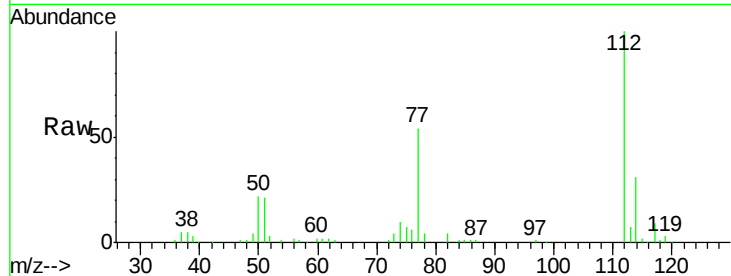




#65
Chlorobenzene
Concen: 21.417 ug/l
RT: 12.39 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

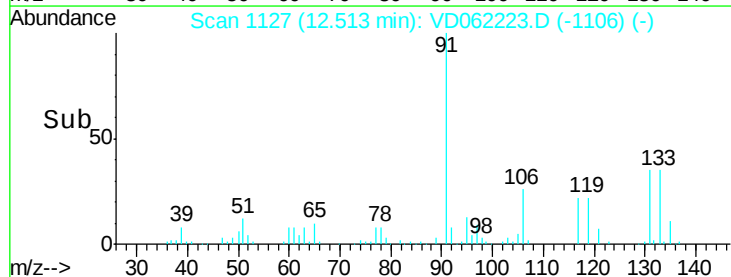
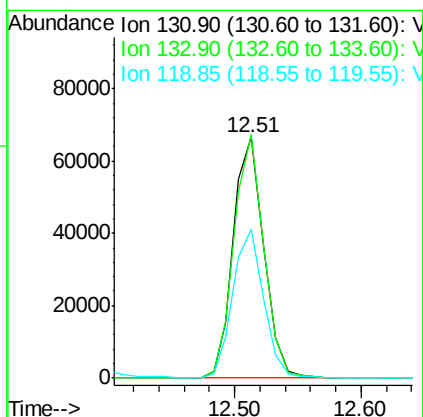
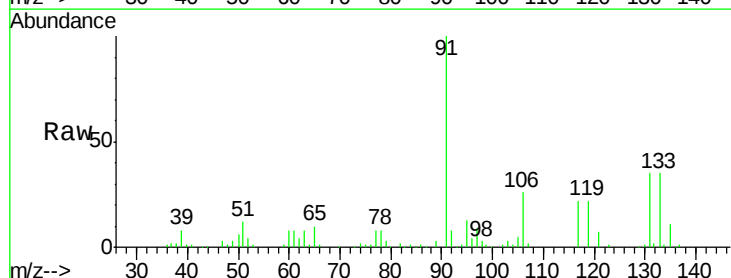
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

Tot Ion:112 Resp: 251081
Ion Ratio Lower Upper
112 100
114 30.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.802 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion:131 Resp: 111241
Ion Ratio Lower Upper
131 100
133 101.1 48.6 145.8
119 61.6 34.7 104.1

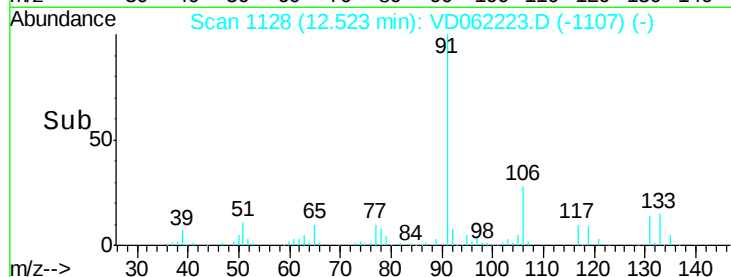
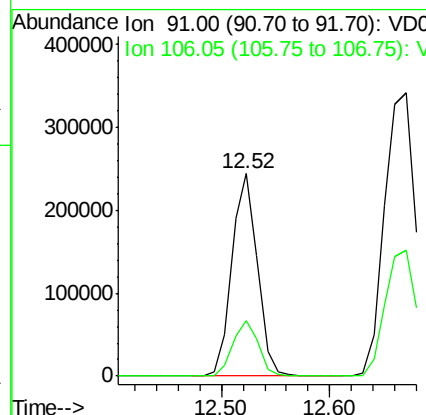
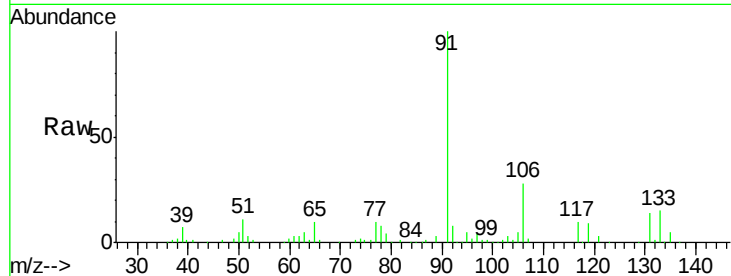




#67
Ethyl Benzene
Concen: 20.335 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

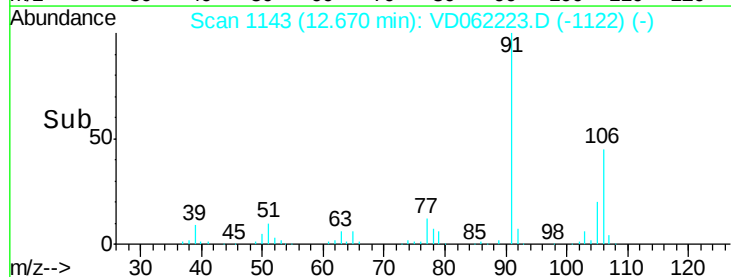
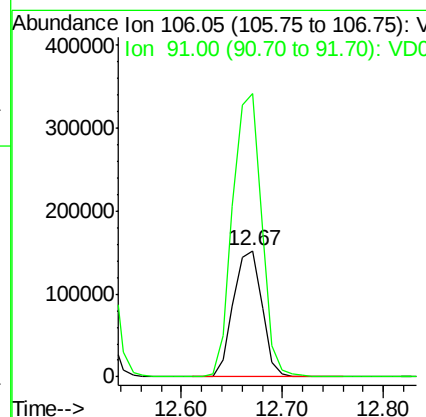
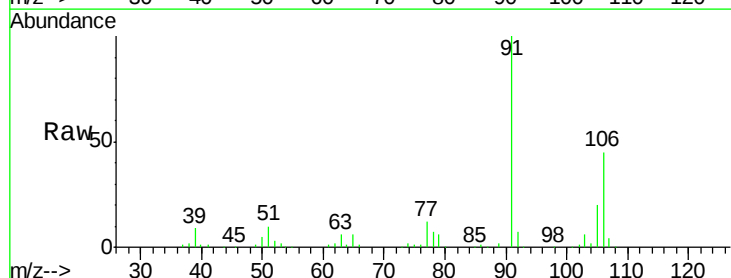
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

Tot Ion: 91 Resp: 399123
Ion Ratio Lower Upper
91 100
106 27.7 24.7 37.1



#68
m/p-Xylenes
Concen: 42.310 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion: 106 Resp: 302128
Ion Ratio Lower Upper
106 100
91 224.2 164.0 246.0

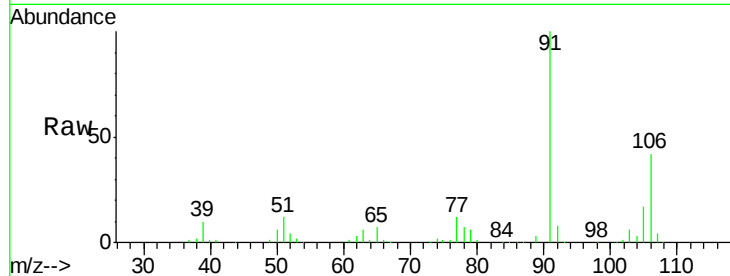




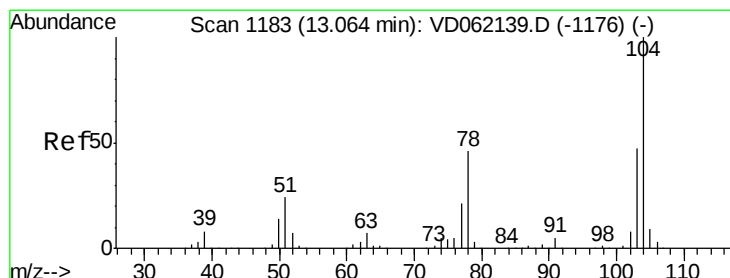
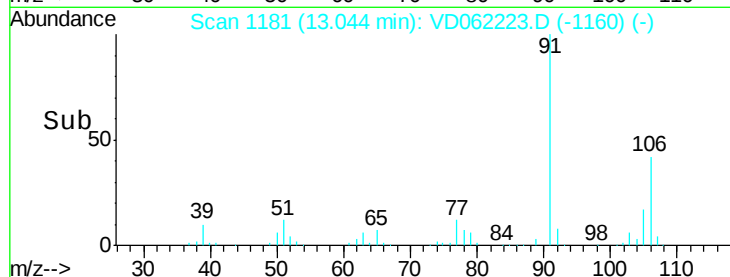
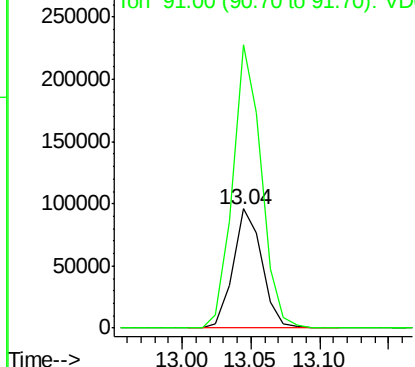
#69
o-Xylene
Concen: 21.100 ug/l
RT: 13.04 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

Tot Ion:106 Resp: 140076
Ion Ratio Lower Upper
106 100
91 237.3 106.7 319.9

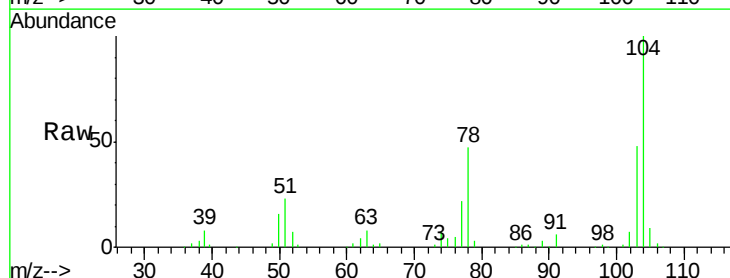


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

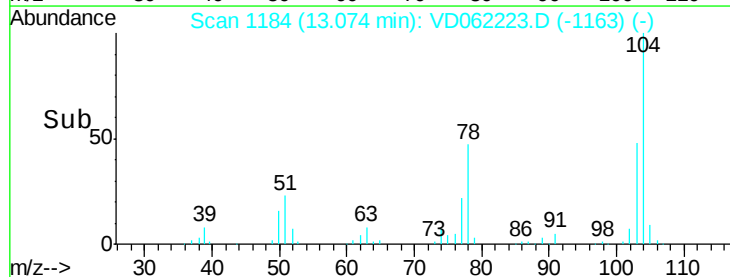
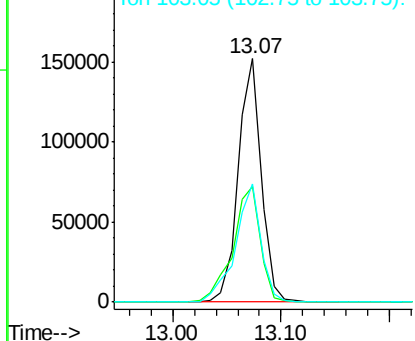


#70
Styrene
Concen: 19.988 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion:104 Resp: 224784
Ion Ratio Lower Upper
104 100
78 47.4 35.4 53.2
103 48.3 37.5 56.3



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

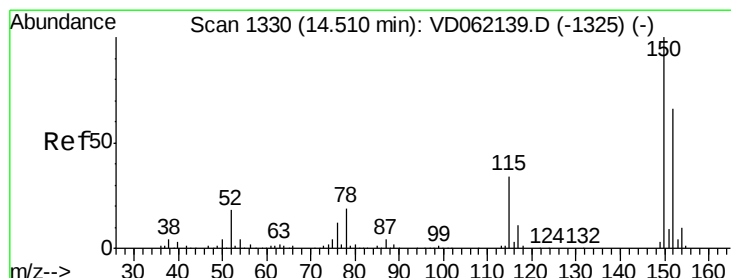
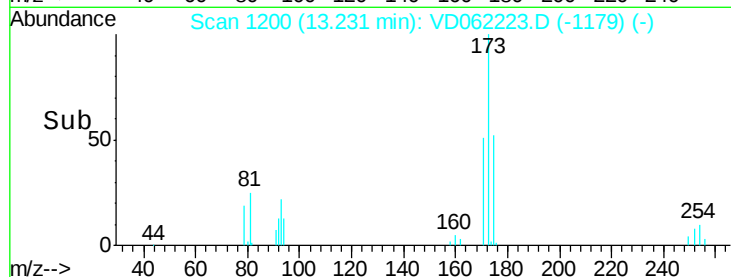
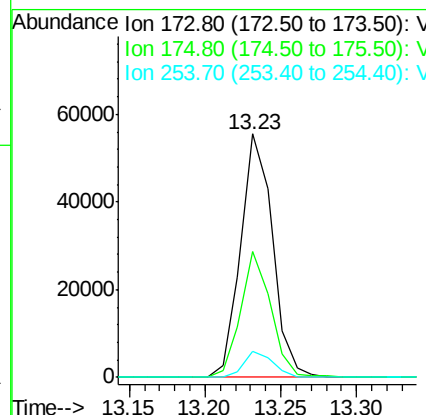
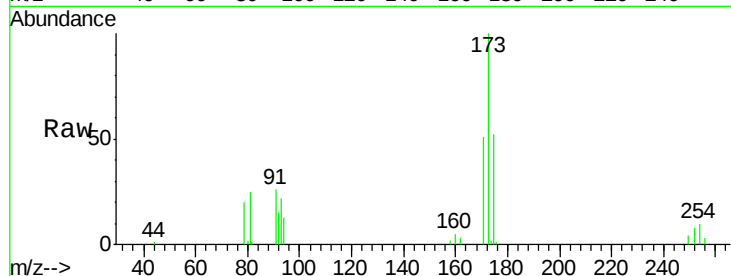




#71
Bromoform
Concen: 22.866 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

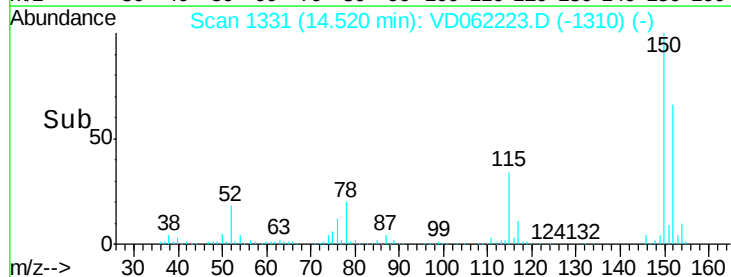
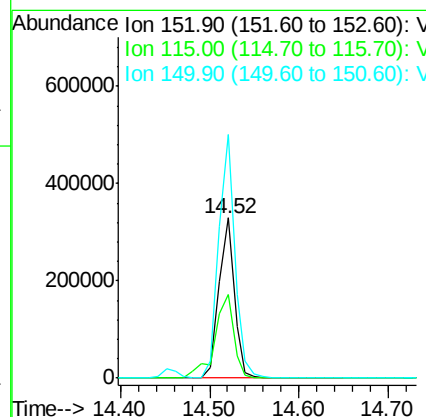
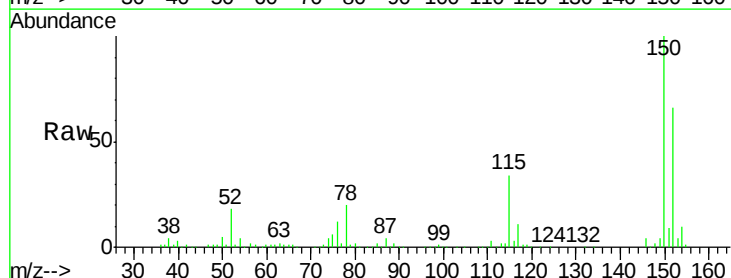
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

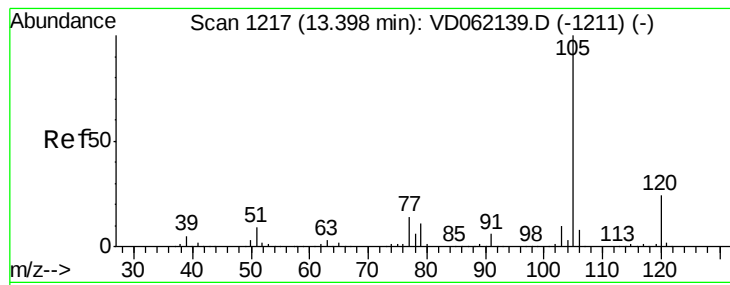
Tot Ion:173 Resp: 81169
Ion Ratio Lower Upper
173 100
175 51.9 24.4 73.4
254 10.5 5.4 8.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion:152 Resp: 398236
Ion Ratio Lower Upper
152 100
115 51.9 30.9 92.7
150 151.9 0.0 314.8





#73

Isopropylbenzene

Concen: 18.651 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

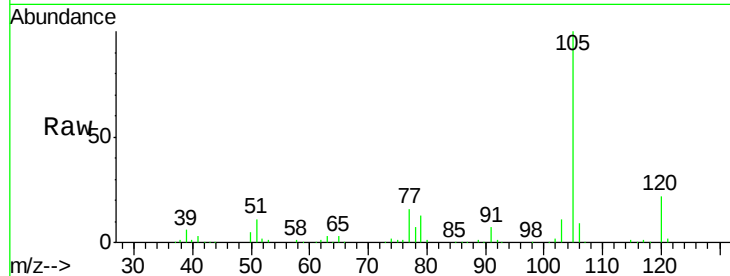
VD0510SBS02

Tot Ion:105 Resp: 445222

Ion Ratio Lower Upper

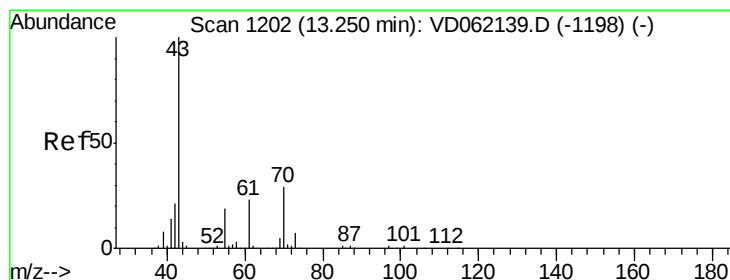
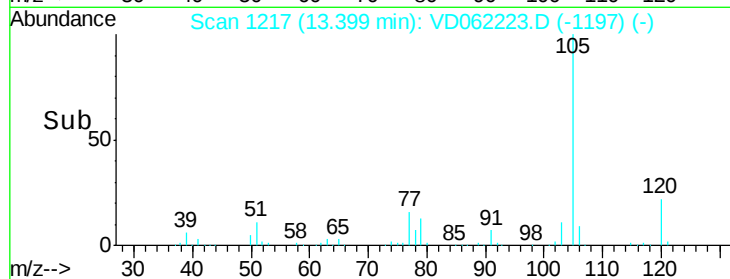
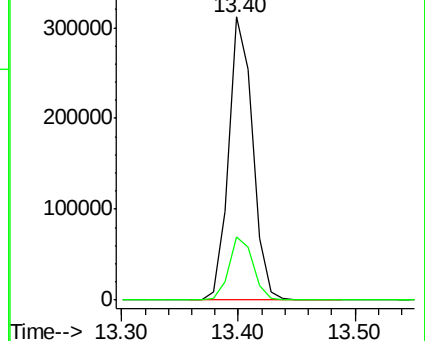
105 100

120 22.4 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.143 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Tgt Ion: 43 Resp: 113552

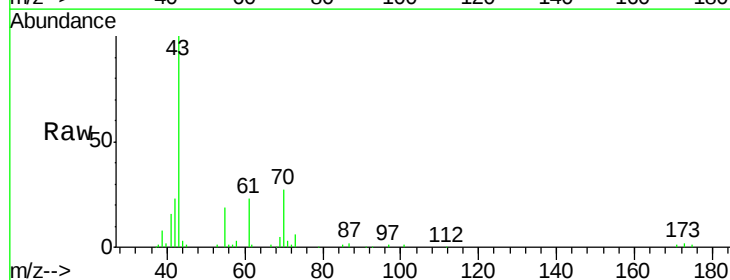
Ion Ratio Lower Upper

43 100

70 27.3 24.2 36.4

55 19.3 16.0 24.0

61 23.3 21.6 32.4

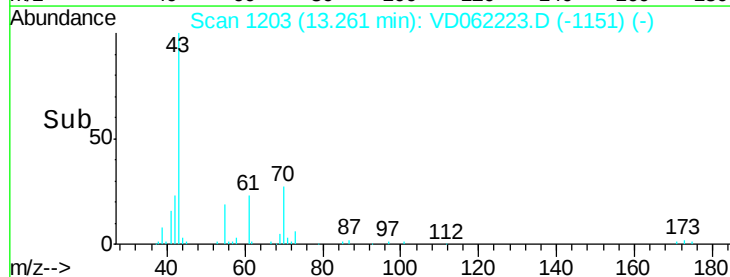
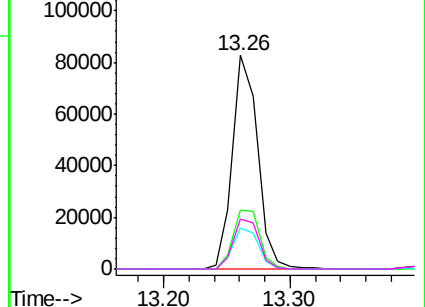


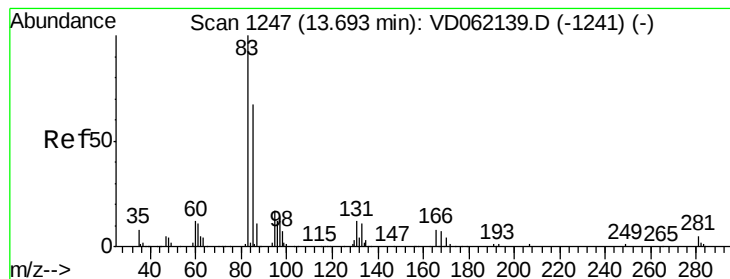
Abundance Ion 42.95 (42.65 to 43.65): V

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: 17.576 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

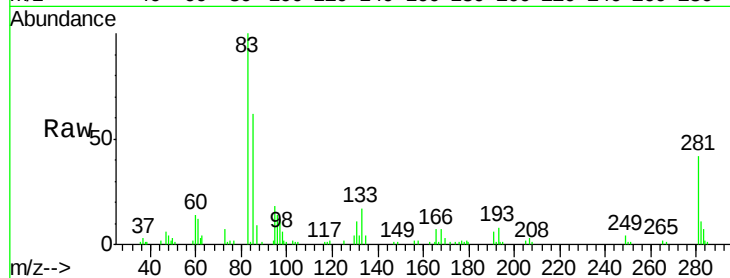
Tot Ion: 83 Resp: 79430

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.0	14.9
85	62.4	32.6	97.7

83 100

131 11.0 5.0 14.9

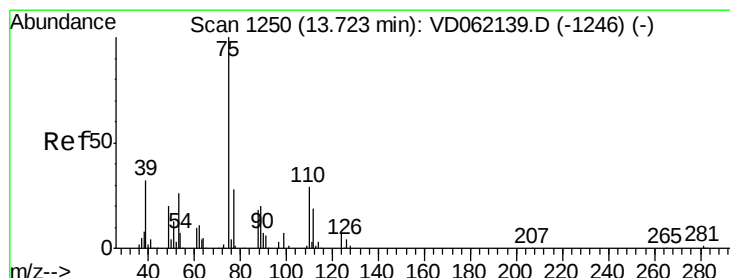
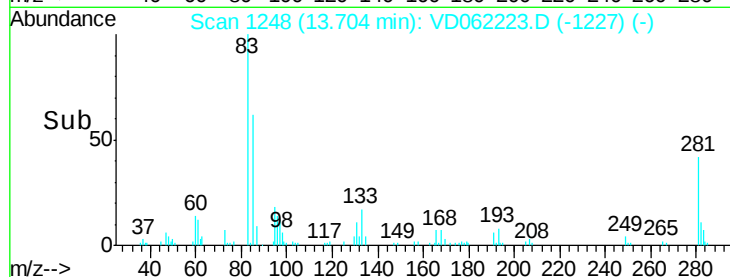
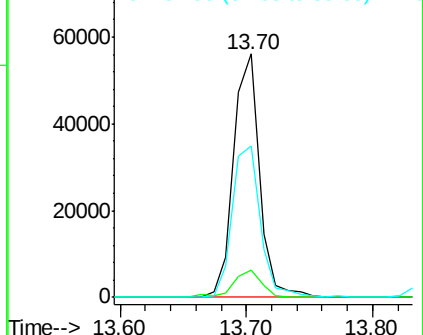
85 62.4 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.571 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062223.D

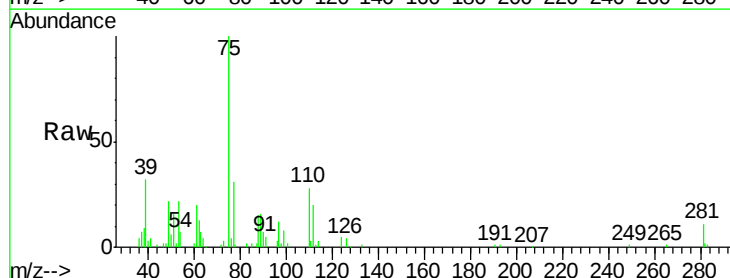
Acq: 10 May 2019 19:33

Tgt Ion: 75 Resp: 97357

Ion	Ratio	Lower	Upper
75	100		
77	30.9	16.4	49.4

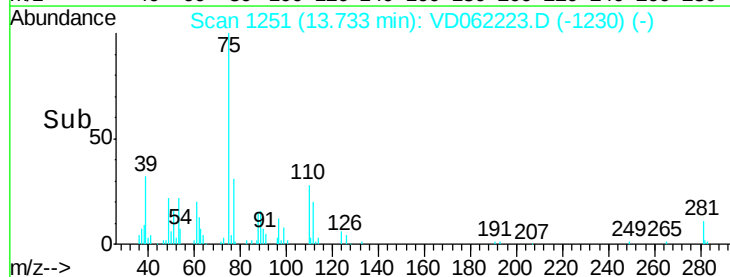
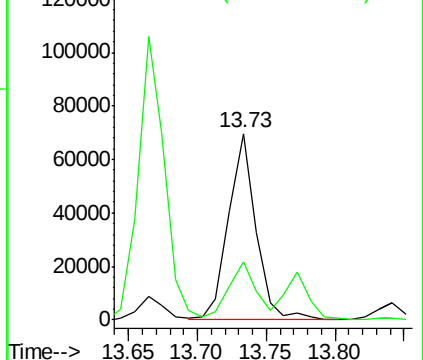
75 100

77 30.9 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: 17.448 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

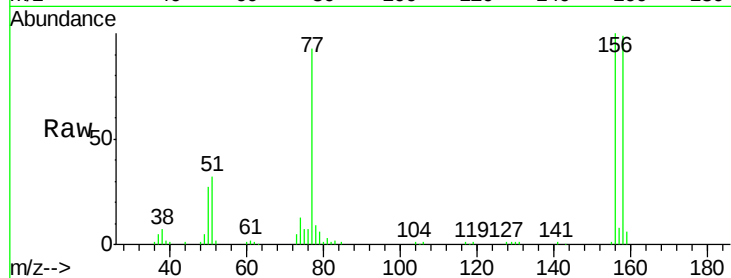
Tot Ion:156 Resp: 116593

Ion Ratio Lower Upper

156 100

77 93.2 53.1 159.4

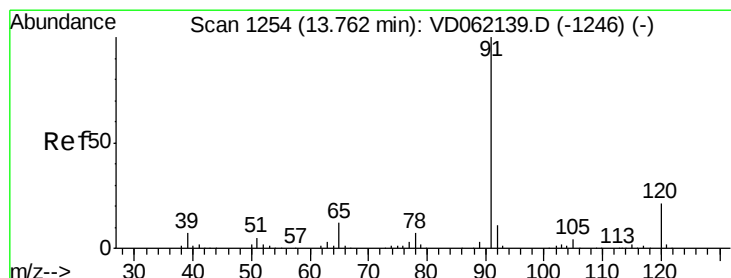
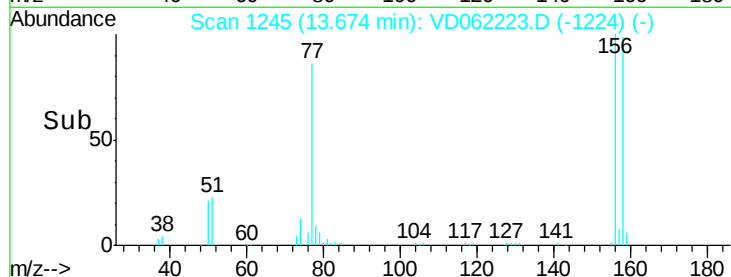
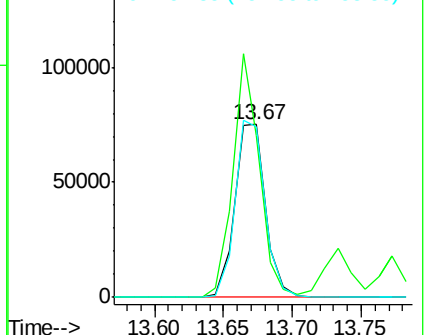
158 98.7 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.044 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062223.D

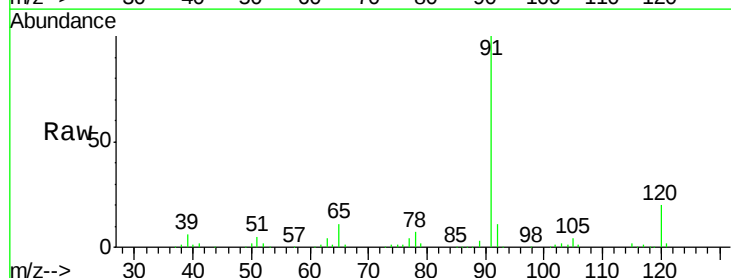
Acq: 10 May 2019 19:33

Tgt Ion: 91 Resp: 542297

Ion Ratio Lower Upper

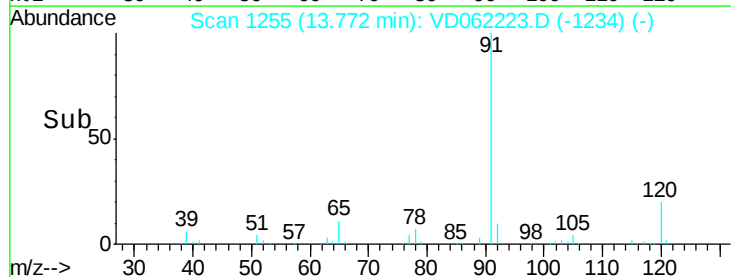
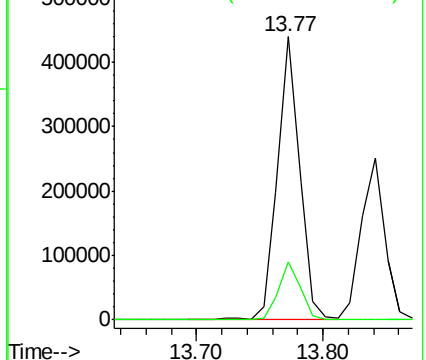
91 100

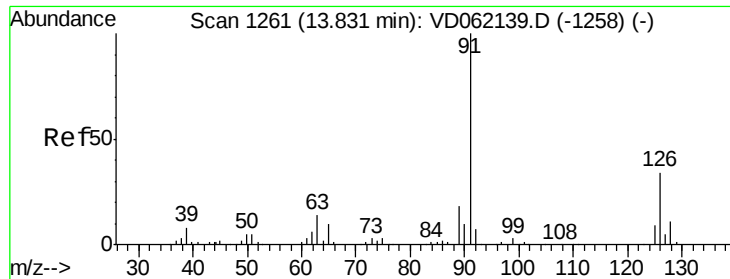
120 20.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.701 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

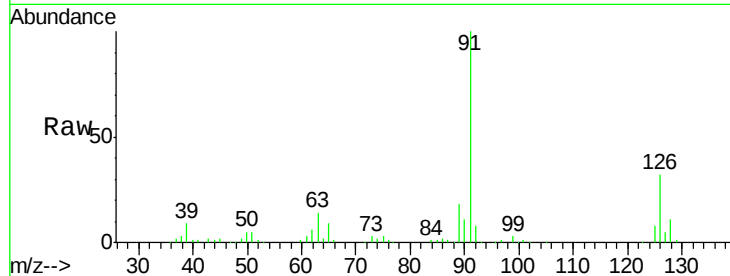
VD0510SBS02

Tot Ion: 91 Resp: 321297

Ion Ratio Lower Upper

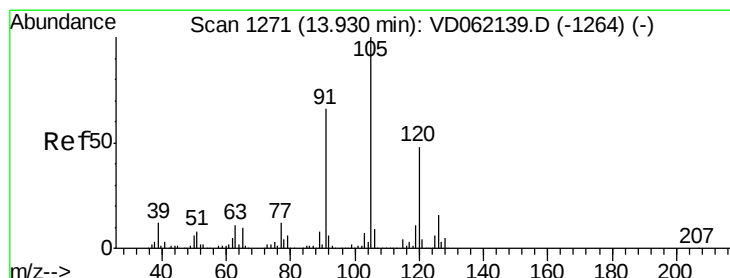
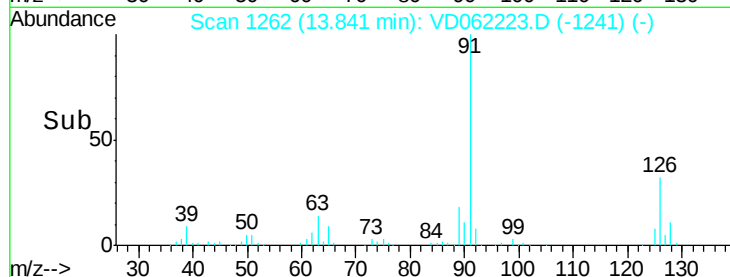
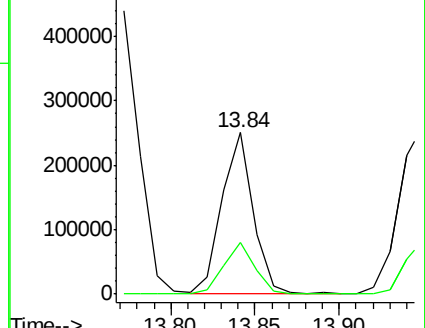
91 100

126 31.9 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: 19.061 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062223.D

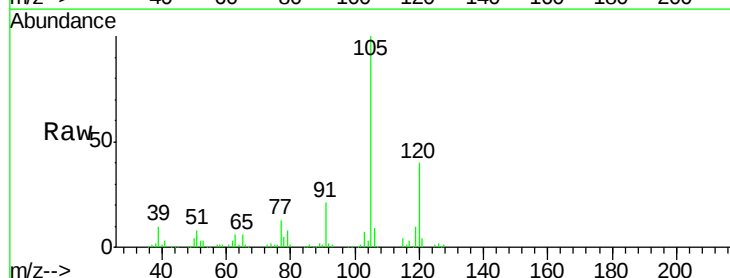
Acq: 10 May 2019 19:33

Tgt Ion:105 Resp: 383163

Ion Ratio Lower Upper

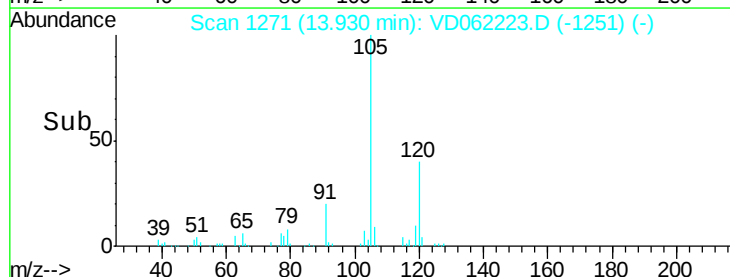
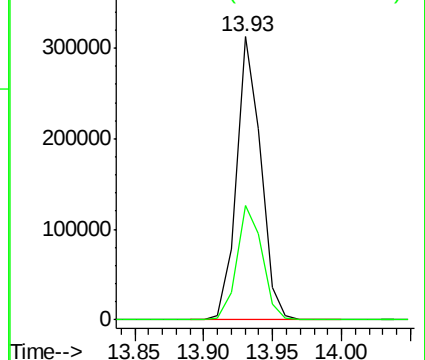
105 100

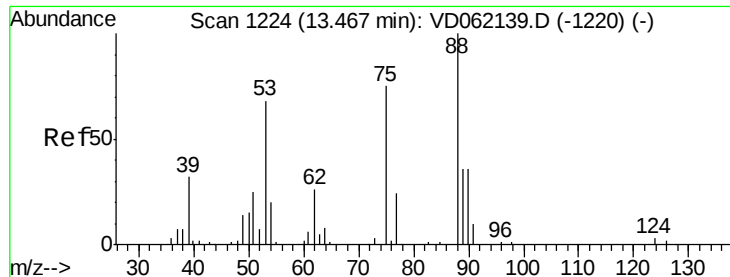
120 40.5 24.0 72.0



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: 16.320 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

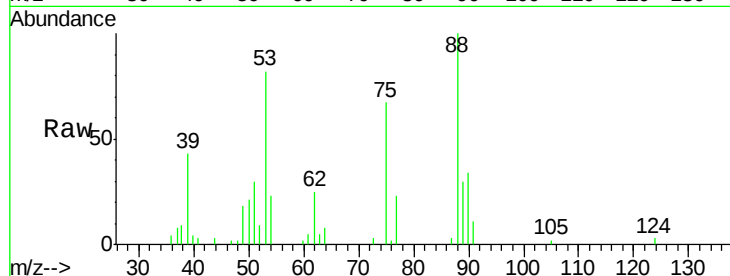
Tot Ion: 75 Resp: 21805

Ion Ratio Lower Upper

75 100

53 122.4 65.8 98.8#

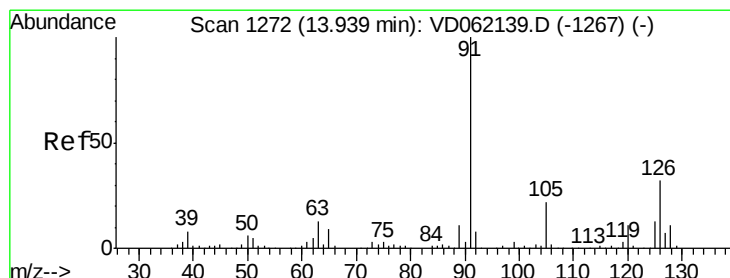
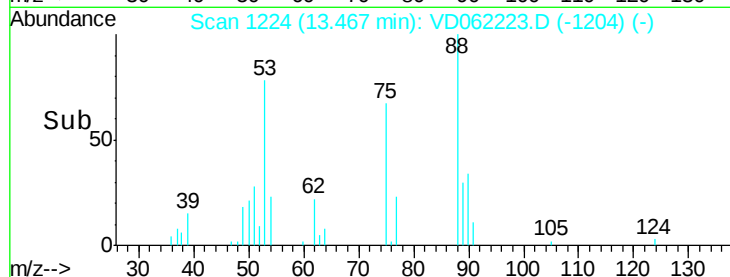
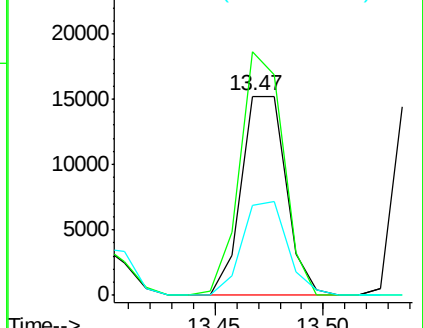
89 45.1 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.678 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062223.D

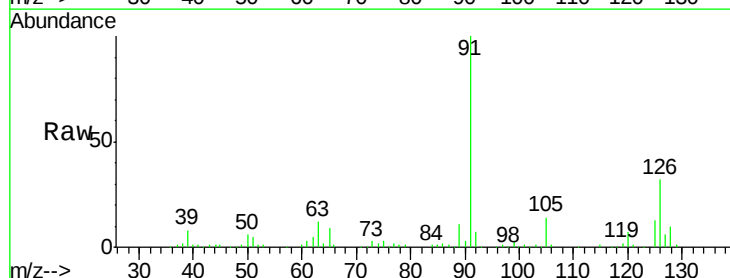
Acq: 10 May 2019 19:33

Tgt Ion: 91 Resp: 377648

Ion Ratio Lower Upper

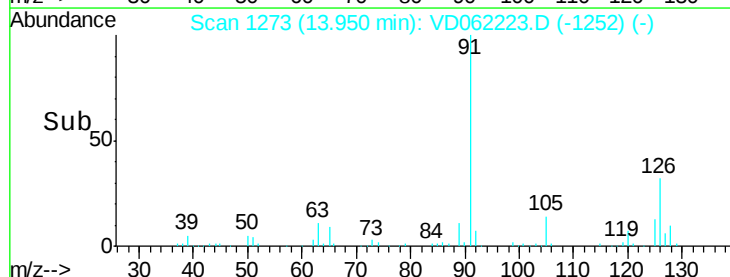
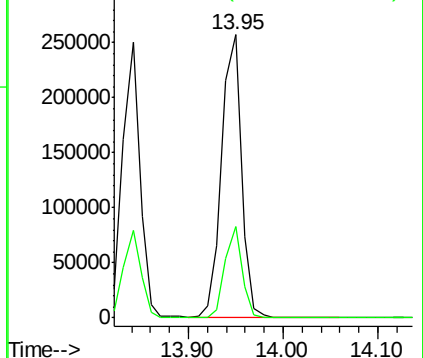
91 100

126 32.4 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 18.888 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

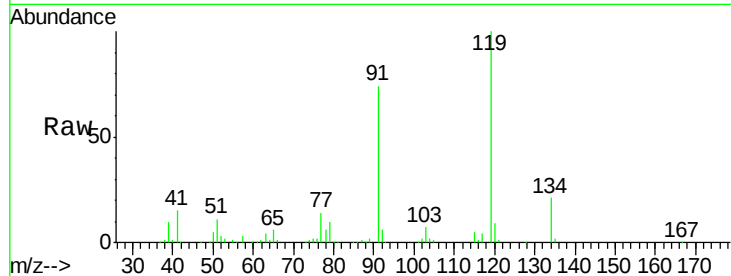
Tot Ion:119 Resp: 426750

Ion Ratio Lower Upper

119 100

91 74.1 34.2 102.6

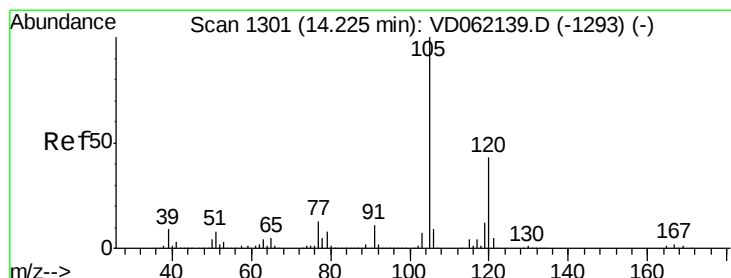
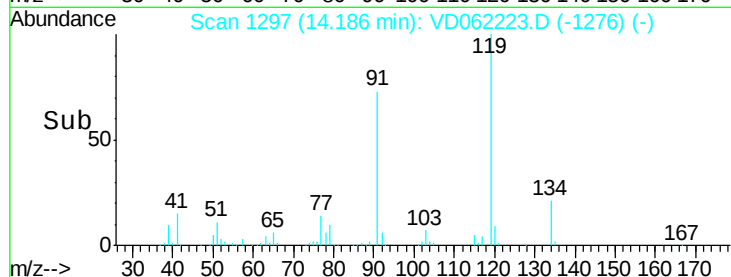
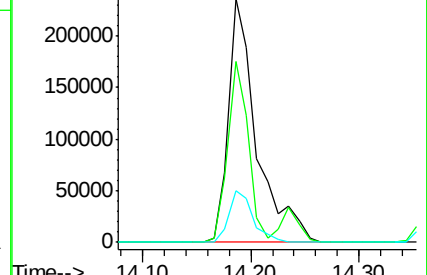
134 21.2 12.0 36.0



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: 18.821 ug/l

RT: 14.23 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD062223.D

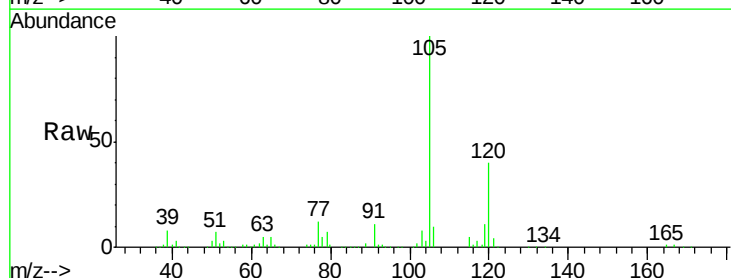
Acq: 10 May 2019 19:33

Tgt Ion:105 Resp: 379656

Ion Ratio Lower Upper

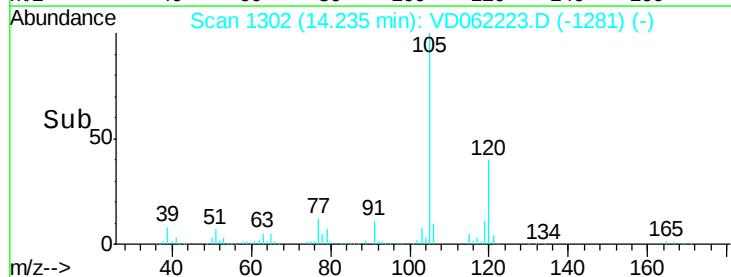
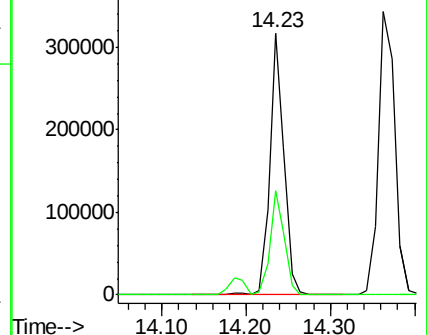
105 100

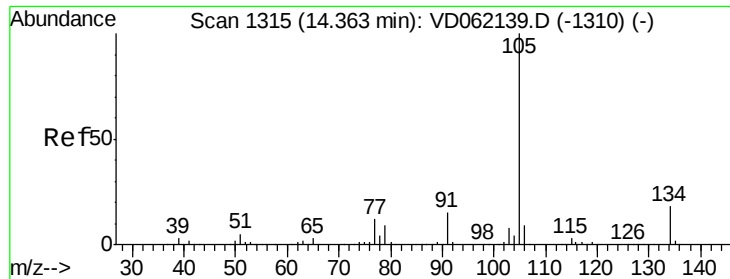
120 39.7 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

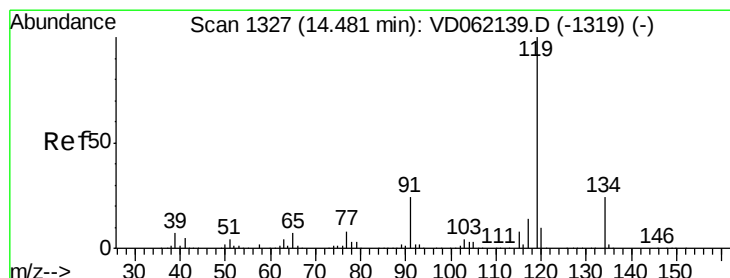
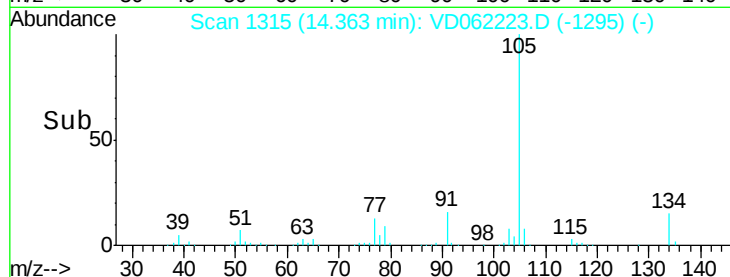
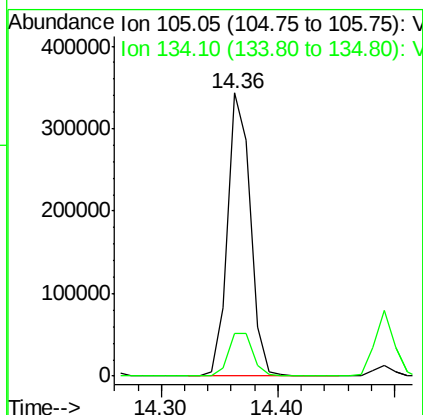
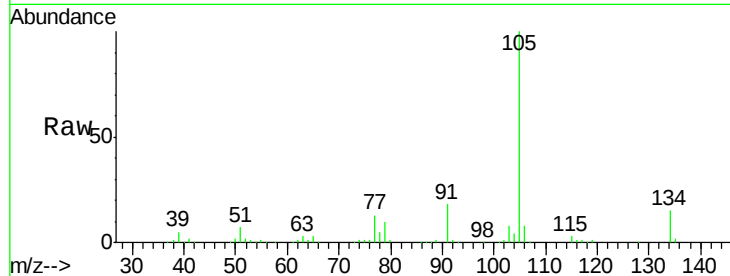




#85
 sec-Butylbenzene
 Concen: 18.746 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

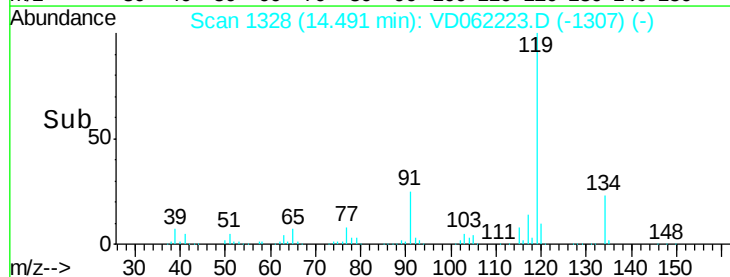
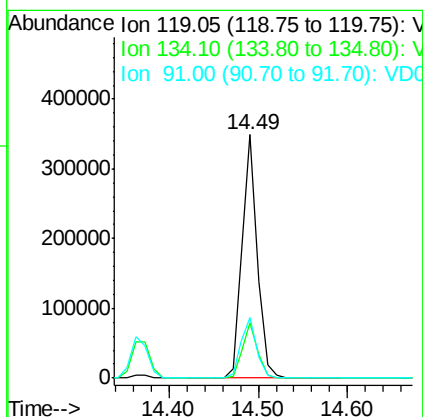
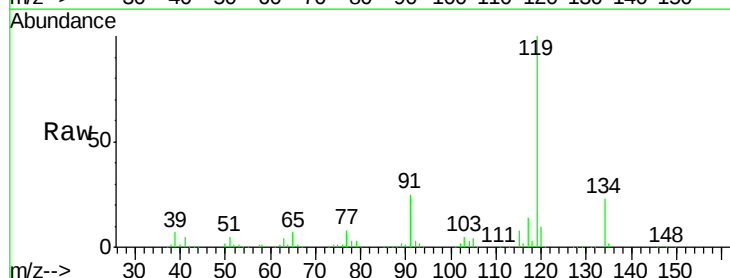
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

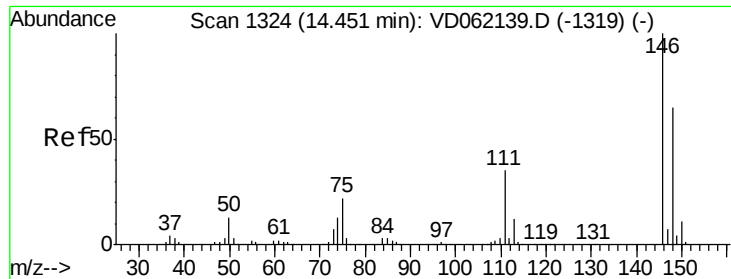
Tot Ion:105 Resp: 464386
 Ion Ratio Lower Upper
 105 100
 134 15.3 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 18.586 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Tgt Ion:119 Resp: 411348
 Ion Ratio Lower Upper
 119 100
 134 22.9 12.8 38.3
 91 24.9 10.7 32.1

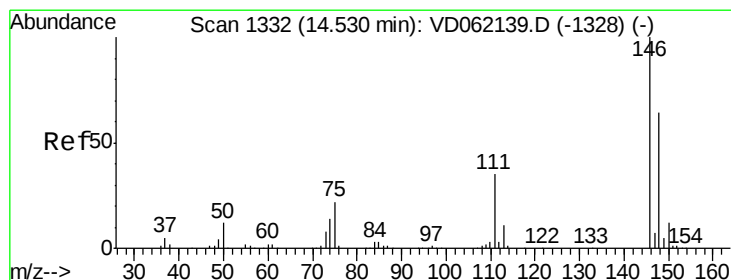
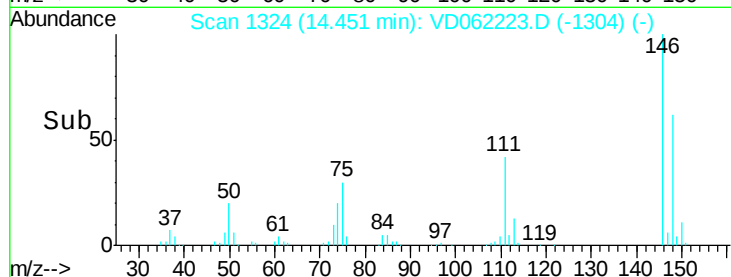
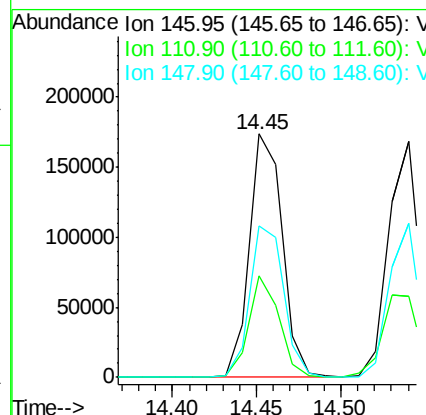
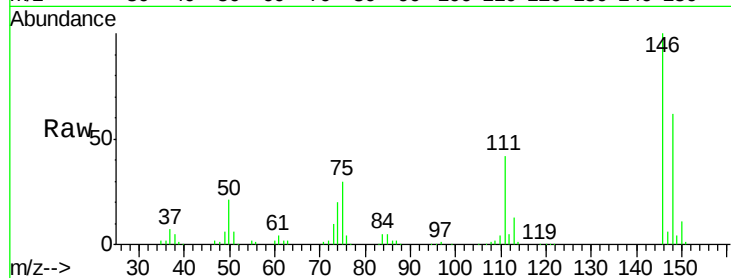




#87
 1,3-Dichlorobenzene
 Concen: 19.319 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

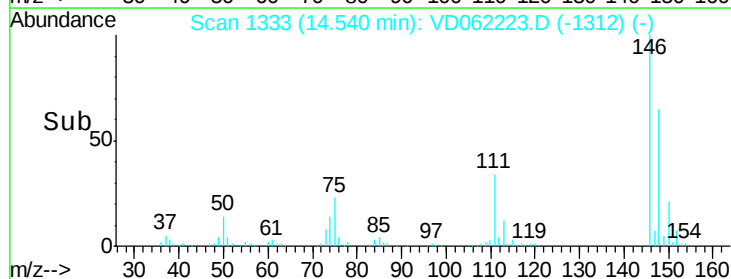
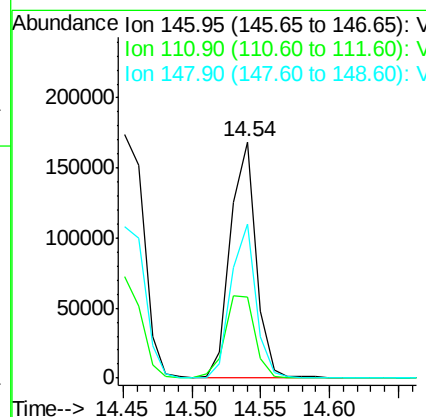
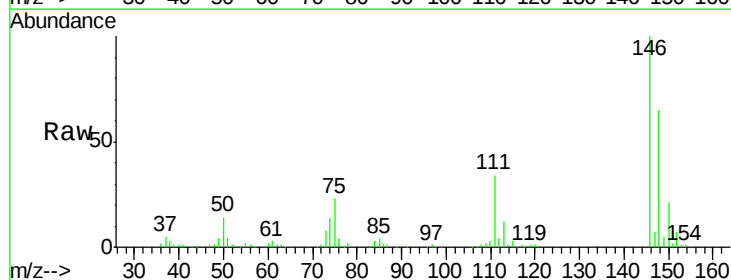
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

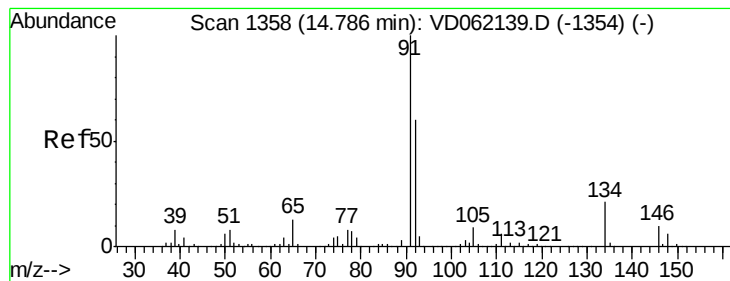
Tot Ion:146 Resp: 235839
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.0 60.0
 148 62.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.217 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Tgt Ion:146 Resp: 218504
 Ion Ratio Lower Upper
 146 100
 111 34.2 20.2 60.5
 148 65.3 32.0 96.2





#89

n-Butylbenzene

Concen: 18.461 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062223.D

Acq: 10 May 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS02

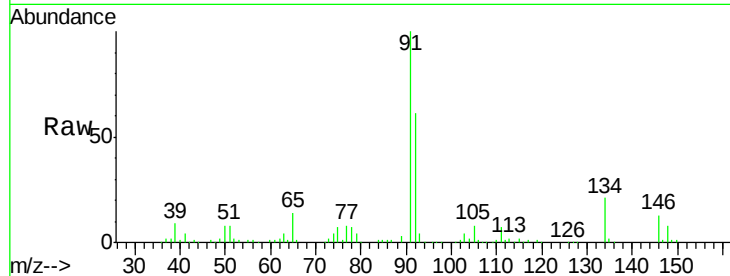
Tot Ion: 91 Resp: 366741

Ion Ratio Lower Upper

91 100

92 60.8 30.3 91.0

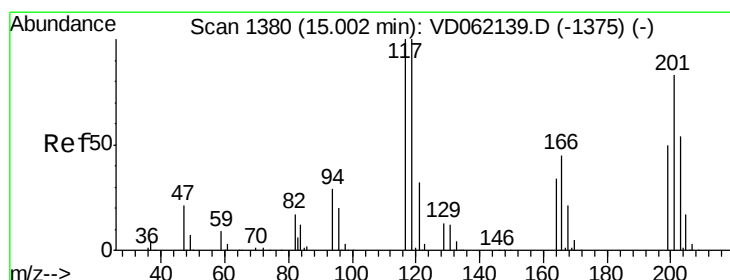
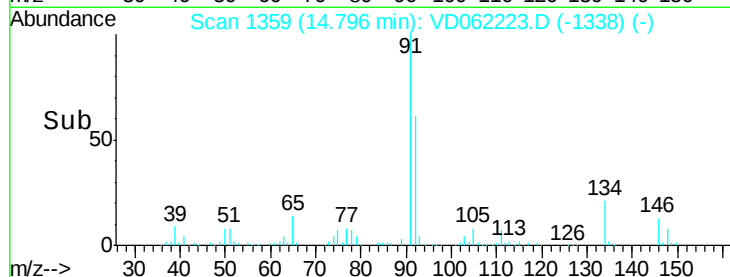
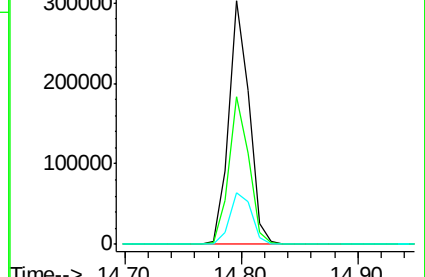
134 21.3 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.147 ug/l

RT: 15.01 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD062223.D

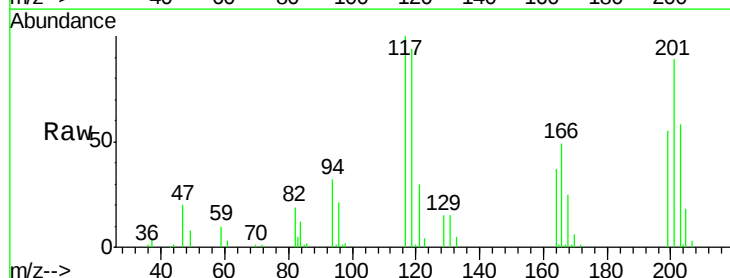
Acq: 10 May 2019 19:33

Tgt Ion: 117 Resp: 115243

Ion Ratio Lower Upper

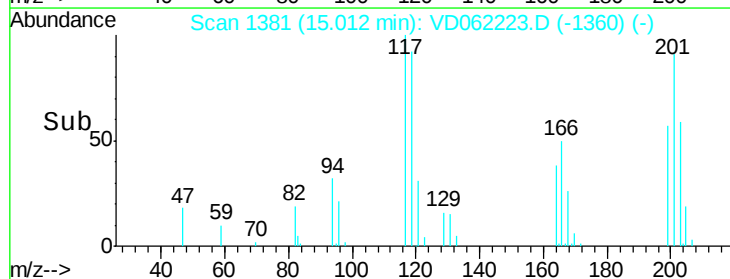
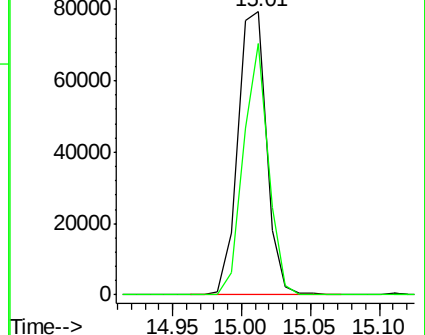
117 100

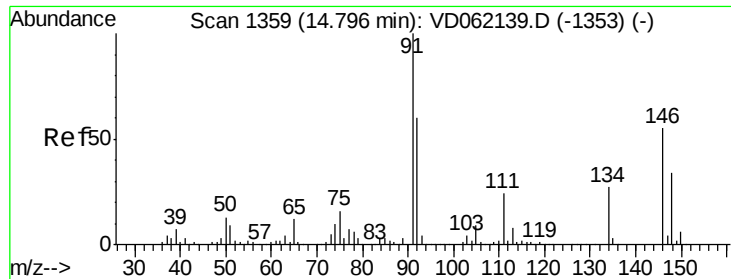
201 88.9 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

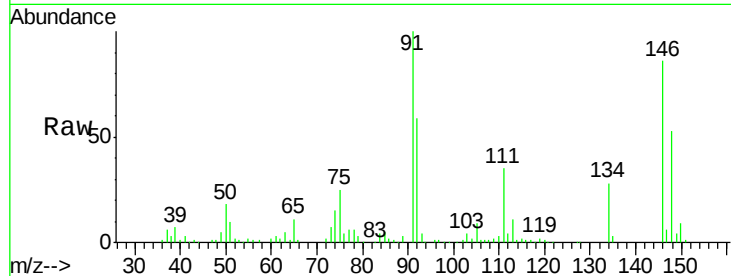




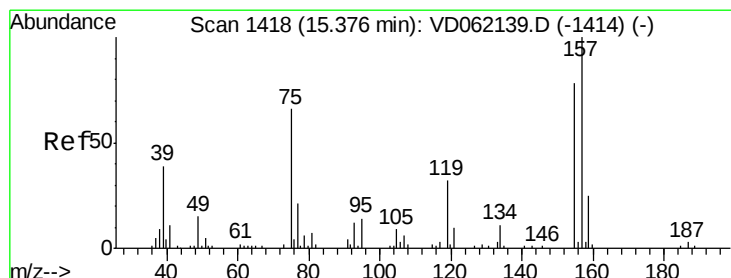
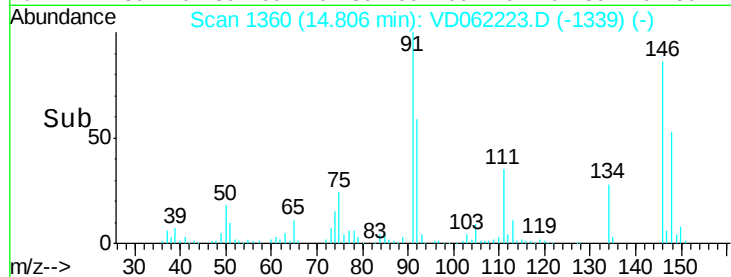
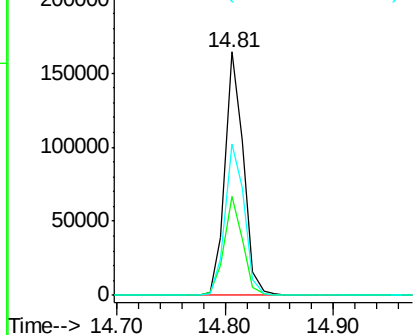
#91
 1,2-Dichlorobenzene
 Concen: 19.467 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

Tot Ion:146 Resp: 195711
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 59.9
 148 62.1 32.3 96.8

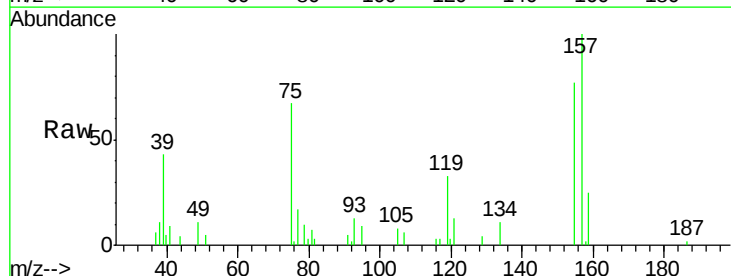


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

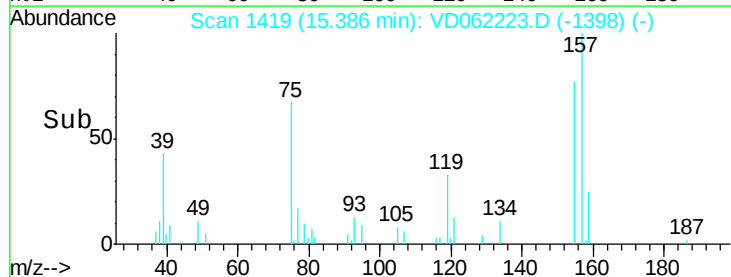
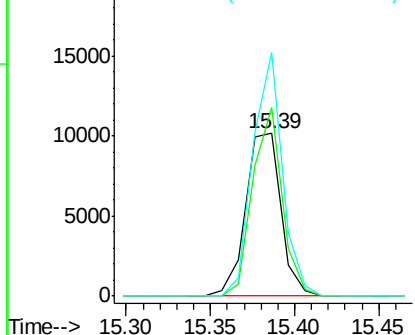


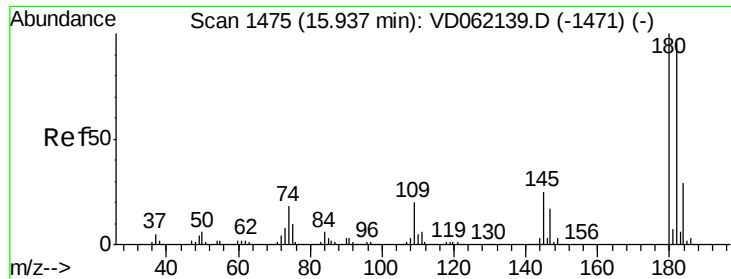
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.921 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Tgt Ion: 75 Resp: 14778
 Ion Ratio Lower Upper
 75 100
 155 115.8 55.3 165.8
 157 149.5 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

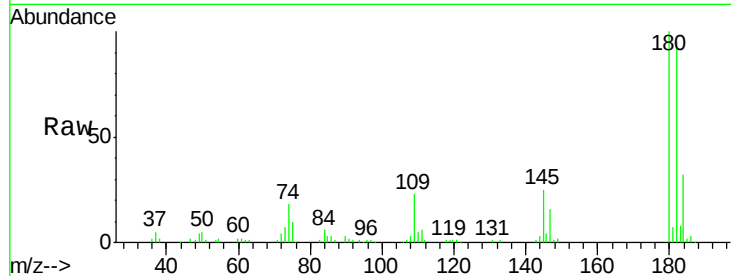




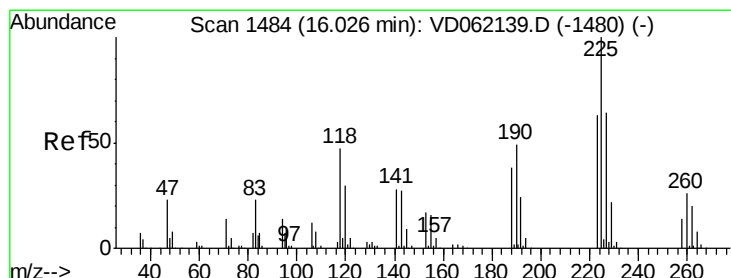
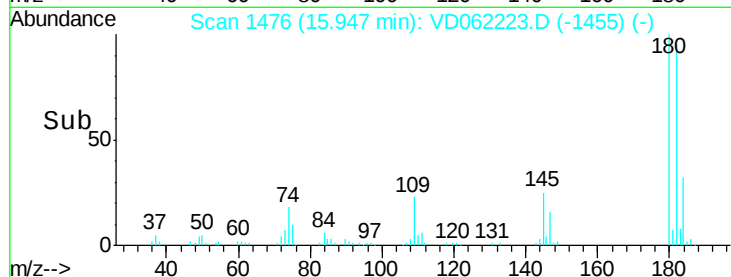
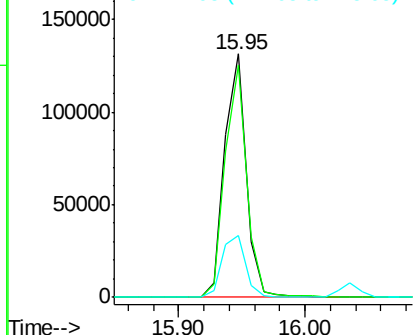
#93
 1,2,4-Trichlorobenzene
 Concen: 21.361 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS02

Tot Ion:180 Resp: 156309
 Ion Ratio Lower Upper
 180 100
 182 95.1 49.3 147.8
 145 25.4 16.2 48.6

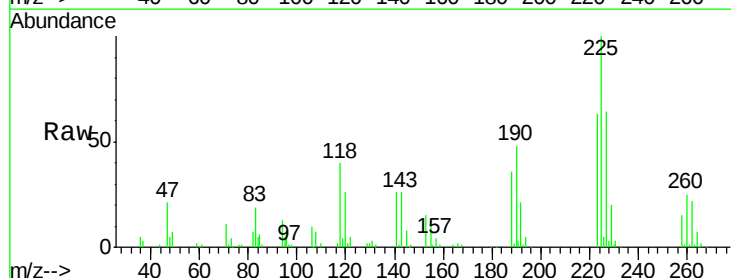


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

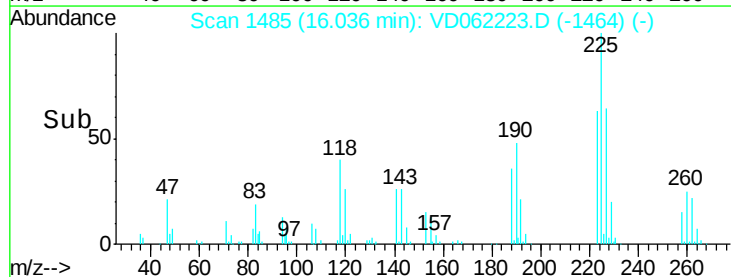
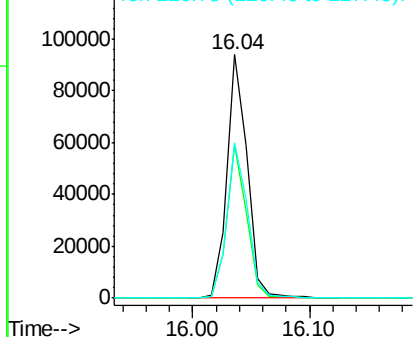


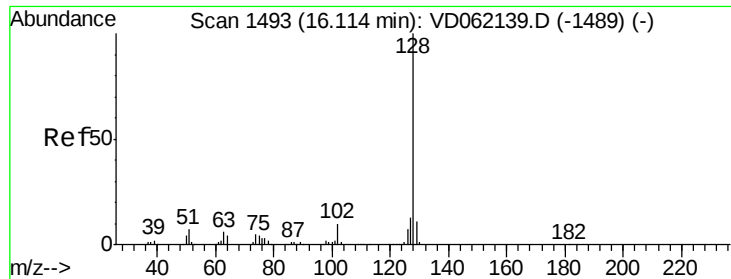
#94
 Hexachlorobutadiene
 Concen: 20.674 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062223.D
 Acq: 10 May 2019 19:33

Tgt Ion:225 Resp: 112517
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.6 92.0
 227 63.7 32.0 96.2



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

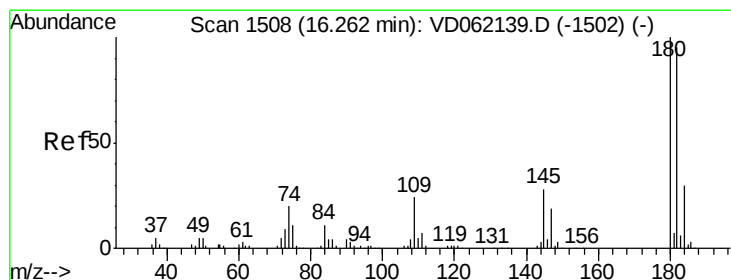
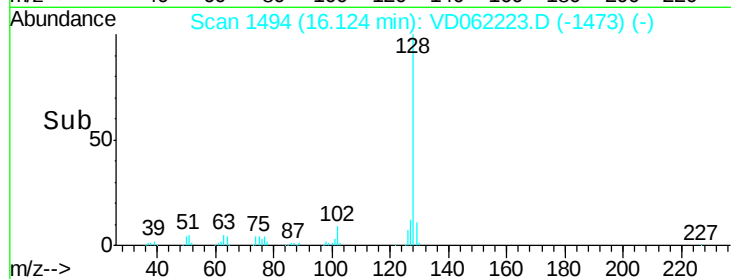
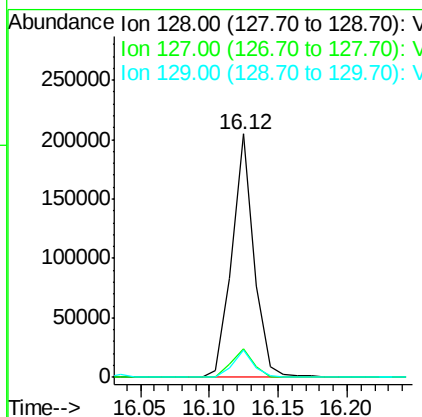
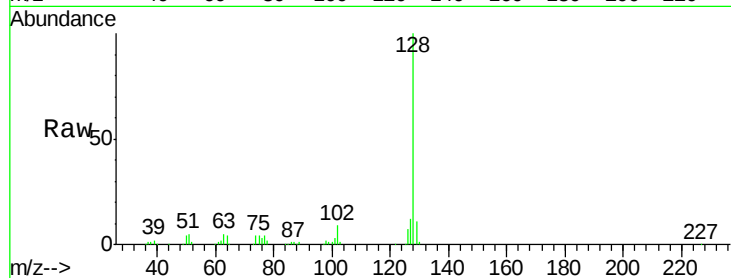




#95
Naphthalene
Concen: 22.330 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS02

Tot Ion:128 Resp: 228130
Ion Ratio Lower Upper
128 100
127 11.6 9.8 14.8
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 26.772 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062223.D
Acq: 10 May 2019 19:33

Tgt Ion:180 Resp: 123173
Ion Ratio Lower Upper
180 100
182 98.5 47.0 141.0
145 30.4 17.0 51.0

