

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062764.D
 Acq On : 18 Jun 2019 22:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:27:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	460809	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	619186	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	575844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	354441	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	437620	65.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.62%	
35) Dibromofluoromethane	6.92	113	403030	61.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.44%	
50) Toluene-d8	10.42	98	881779	64.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.38%	
62) 4-Bromofluorobenzene	13.56	95	429556	67.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	252506	46.978	ug/l	100
3) Chloromethane	1.74	50	228926	50.208	ug/l	99
4) Vinyl Chloride	1.84	62	228088	48.512	ug/l	95
5) Bromomethane	2.15	94	123119	51.877	ug/l #	98
6) Chloroethane	2.26	64	132253	56.974	ug/l #	89
7) Trichlorofluoromethane	2.53	101	595530	56.590	ug/l	94
8) Diethyl Ether	2.86	74	84656	59.146	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	325610	57.372	ug/l	96
10) Methyl Iodide	3.30	142	359972	44.199	ug/l	98
11) Tert butyl alcohol	4.07	59	70829	259.138	ug/l #	87
12) 1,1-Dichloroethene	3.12	96	223853	54.961	ug/l	97
13) Acrolein	3.03	56	21734	247.201	ug/l	89
14) Allyl chloride	3.61	41	338306	54.021	ug/l	97
15) Acrylonitrile	4.19	53	181684	292.516	ug/l	88
16) Acetone	3.22	43	357121	293.295	ug/l	97
17) Carbon Disulfide	3.37	76	567523	47.285	ug/l	96
18) Methyl Acetate	3.64	43	118947	59.442	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	585686	58.960	ug/l	98
20) Methylene Chloride	3.81	84	236954	51.520	ug/l #	94
21) trans-1,2-Dichloroethene	4.21	96	232518	52.045	ug/l	91
22) Diisopropyl ether	5.12	45	746613	57.417	ug/l	96
23) Vinyl Acetate	5.05	43	2472602	306.504	ug/l	99
24) 1,1-Dichloroethane	4.98	63	478617	57.214	ug/l	97
25) 2-Butanone	6.07	43	350877	295.378	ug/l	93
26) 2,2-Dichloropropane	6.02	77	526374	54.597	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	275790	56.943	ug/l	97
28) Bromochloromethane	6.43	49	182615	57.107	ug/l	84
29) Tetrahydrofuran	6.46	42	162621	303.997	ug/l	97
30) Chloroform	6.66	83	687204	64.028	ug/l	95
31) Cyclohexane	6.96	56	288322	54.945	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	668493	62.594	ug/l	97
36) 1,1-Dichloropropene	7.15	75	378431	53.401	ug/l	96
37) Ethyl Acetate	6.18	43	179568	59.202	ug/l #	90
38) Carbon Tetrachloride	7.11	117	689571	61.563	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	8.87	83	305510	53.349	ug/l	92
40) Benzene	7.45	78	805060	58.172	ug/l	98
41) Methacrylonitrile	6.45	41	241962	65.225	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	518170	62.818	ug/l	97
43) Isopropyl Acetate	9.23	43	231648	61.952	ug/l #	97
44) Trichloroethene	8.53	130	334804	59.590	ug/l	91
45) 1,2-Dichloropropane	8.94	63	204115	61.403	ug/l	99
46) Dibromomethane	9.07	93	200725	68.026	ug/l	96
47) Bromodichloromethane	9.37	83	527666	65.738	ug/l	92
48) Methyl methacrylate	9.12	41	175114	64.825	ug/l	97
49) 1,4-Dioxane	9.09	88	28274	1162.403	ug/l #	84
51) 4-Methyl-2-Pentanone	10.30	43	855723	327.064	ug/l	97
52) Toluene	10.51	92	567260	60.978	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	435879	66.233	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	439491	64.614	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	212465	66.598	ug/l	97
56) Ethyl methacrylate	11.05	69	232589	59.681	ug/l	94
57) 1,3-Dichloropropane	11.41	76	302045	61.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	486805	285.498	ug/l	99
59) 2-Hexanone	11.53	43	694895	357.048	ug/l	94
60) Dibromochloromethane	11.69	129	411490	65.341	ug/l	98
61) 1,2-Dibromoethane	11.80	107	267765	70.128	ug/l	92
64) Tetrachloroethene	11.26	164	345132	64.025	ug/l	98
65) Chlorobenzene	12.40	112	675199	53.009	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	367760	60.538	ug/l	97
67) Ethyl Benzene	12.52	91	1288232	57.043	ug/l	99
68) m/p-Xylenes	12.67	106	852370	107.359	ug/l	94
69) o-Xylene	13.05	106	429612	58.919	ug/l	97
70) Styrene	13.07	104	799439	61.447	ug/l	97
71) Bromoform	13.23	173	274231	58.343	ug/l #	98
73) Isopropylbenzene	13.41	105	1314562	52.619	ug/l	98
74) N-amyl acetate	13.27	43	362401	53.675	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	252821	59.143	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	268715	55.914	ug/l	96
77) Bromobenzene	13.67	156	387575	54.278	ug/l	99
78) n-propylbenzene	13.77	91	1651212	53.996	ug/l	99
79) 2-Chlorotoluene	13.84	91	926676	51.754	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1216538	55.098	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	67042	47.270	ug/l	86
82) 4-Chlorotoluene	13.95	91	1221660	57.053	ug/l	98
83) tert-Butylbenzene	14.19	119	1278894	52.516	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	1075599	49.201	ug/l	98
85) sec-Butylbenzene	14.36	105	1329748	52.073	ug/l	93
86) p-Isopropyltoluene	14.49	119	1382826	55.618	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	738085	57.058	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	692912	56.680	ug/l	99
89) n-Butylbenzene	14.80	91	1209378	54.069	ug/l	99
90) Hexachloroethane	15.01	117	361717	55.109	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	623188	57.955	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	54613	59.811	ug/l	87

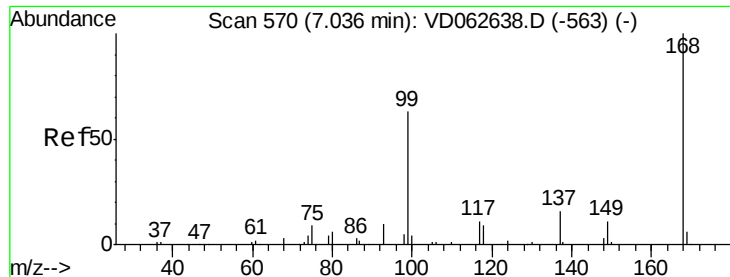
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	478295	52.260	ug/l	98
94) Hexachlorobutadiene	16.04	225	347562	54.746	ug/l	98
95) Naphthalene	16.12	128	698768	54.034	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	388846	62.782	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

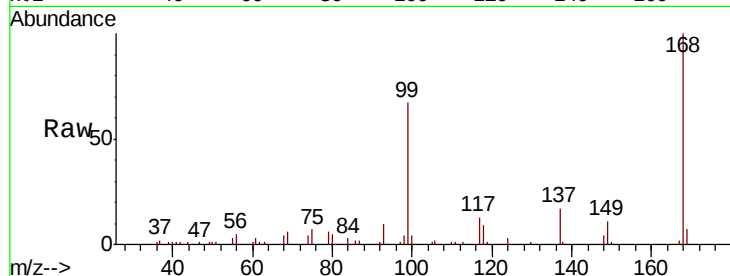
ClientSampleId :

Tot Ion:168 Resp: 460809

Ion Ratio Lower Upper

168 100

99 66.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

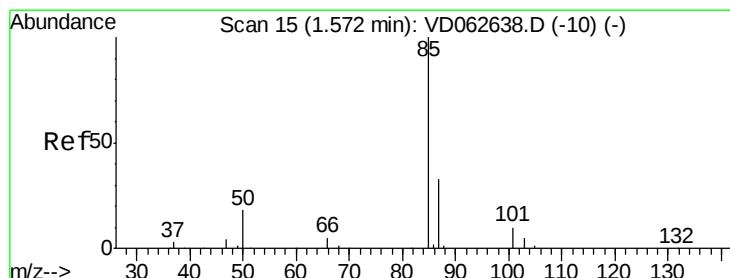
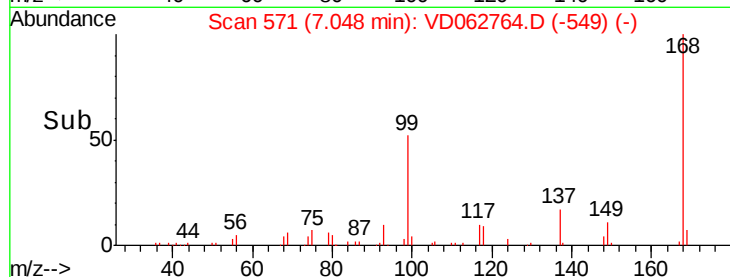
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 46.978 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062764.D

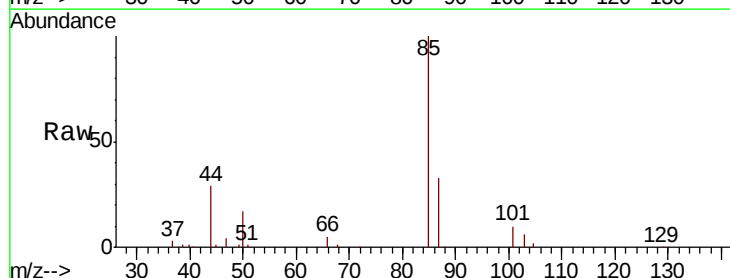
Acq: 18 Jun 2019 22:46

Tgt Ion: 85 Resp: 252506

Ion Ratio Lower Upper

85 100

87 33.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

60000

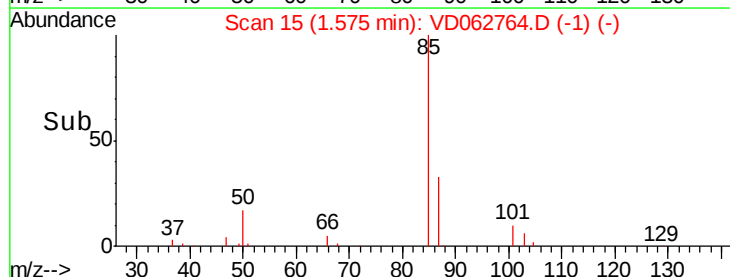
40000

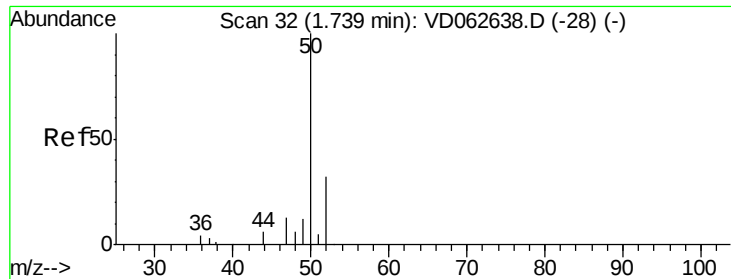
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 50.208 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

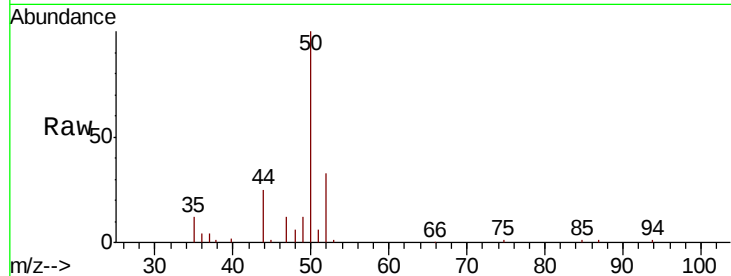
ClientSampleId :

Tot Ion: 50 Resp: 228926

Ion Ratio Lower Upper

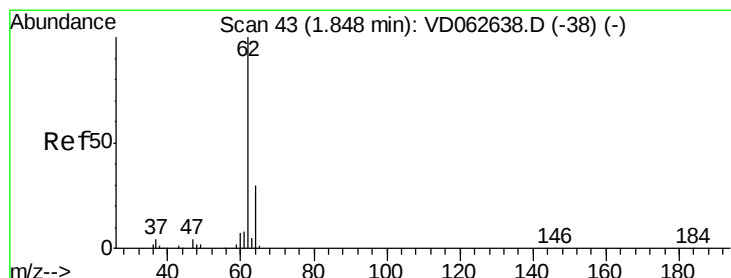
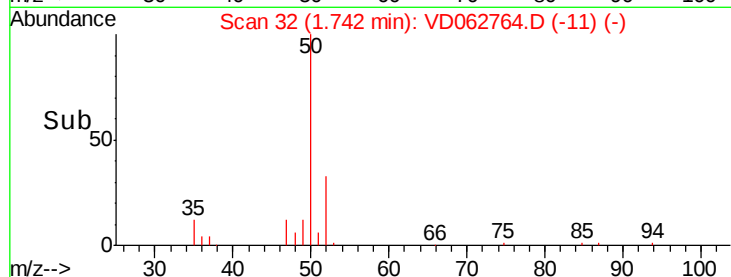
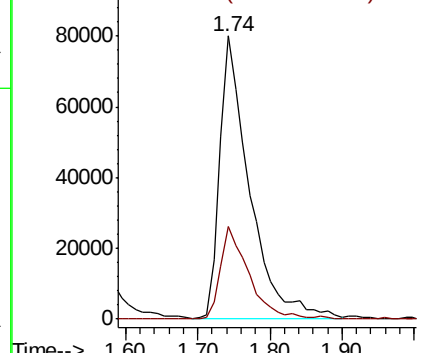
50 100

52 33.0 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.512 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062764.D

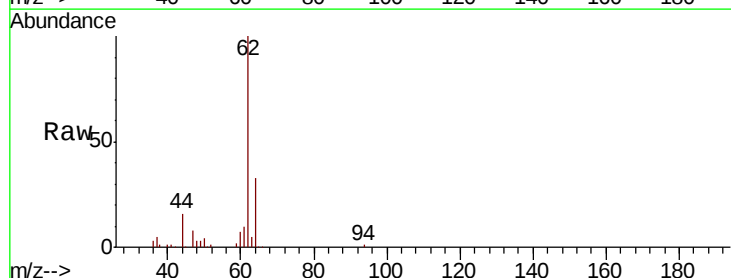
Acq: 18 Jun 2019 22:46

Tgt Ion: 62 Resp: 228088

Ion Ratio Lower Upper

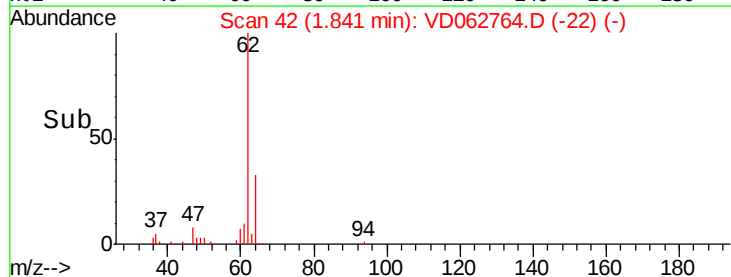
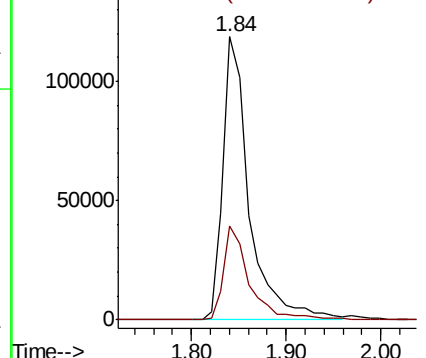
62 100

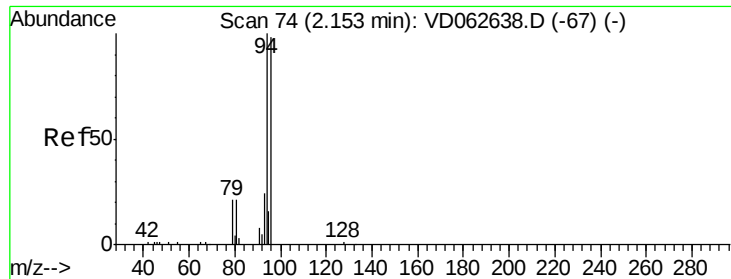
64 33.3 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.877 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

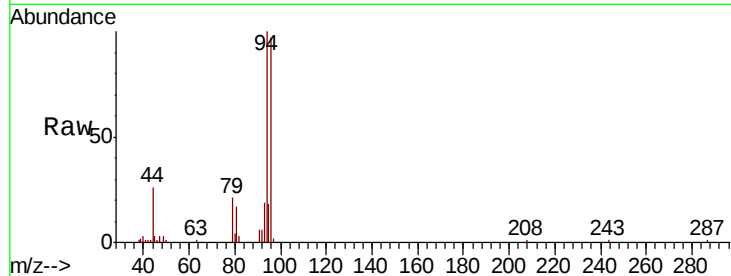
Tot Ion: 94 Resp: 123119

Ion Ratio Lower Upper

94 100

96 97.2 78.1 117.1

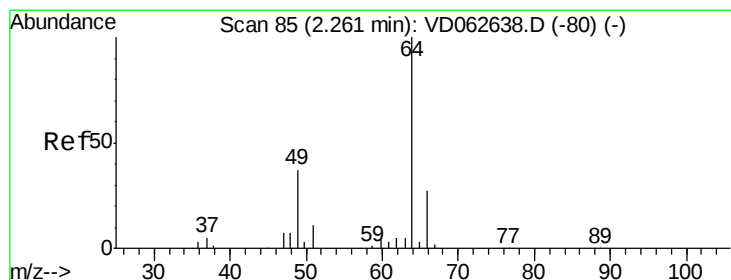
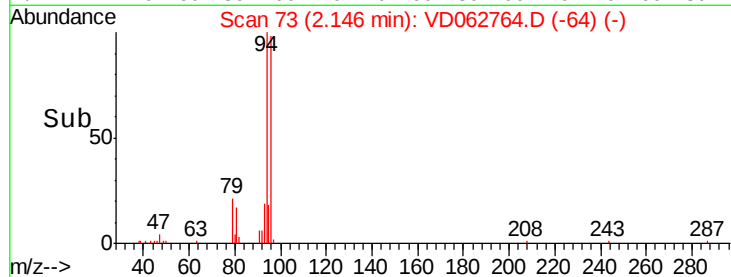
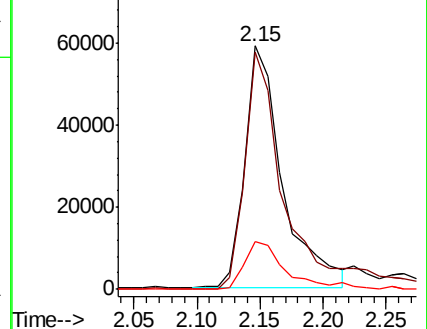
93 19.4 19.6 29.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 56.974 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062764.D

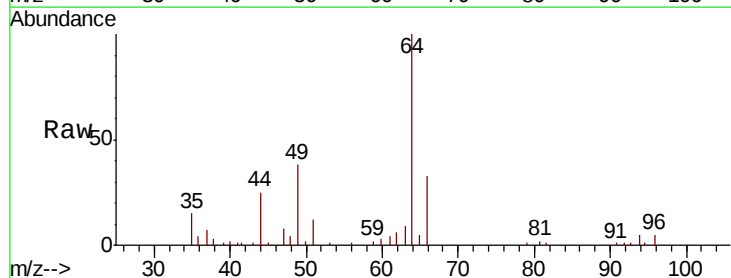
Acq: 18 Jun 2019 22:46

Tgt Ion: 64 Resp: 132253

Ion Ratio Lower Upper

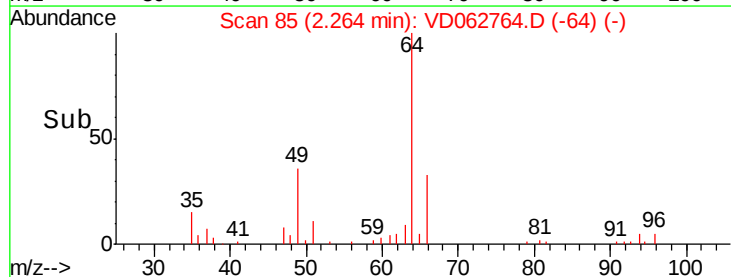
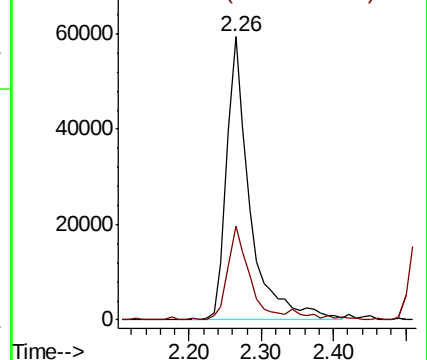
64 100

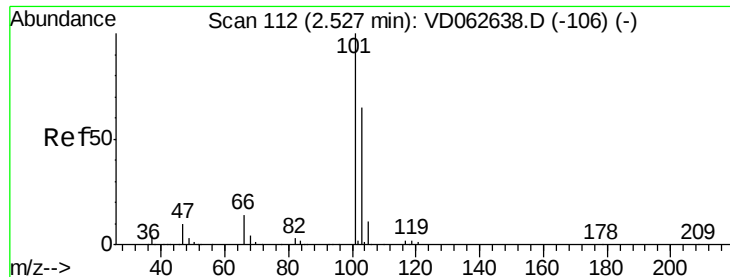
66 33.3 21.9 32.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



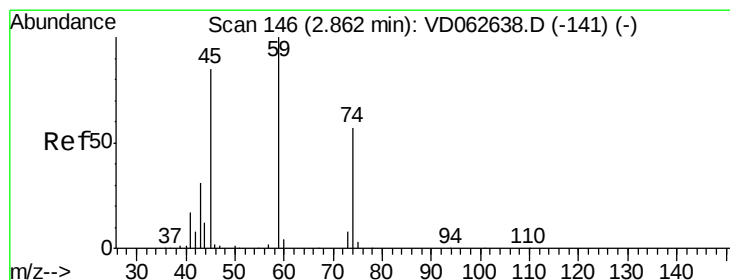
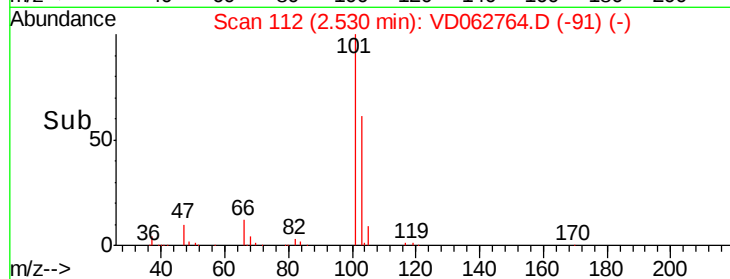
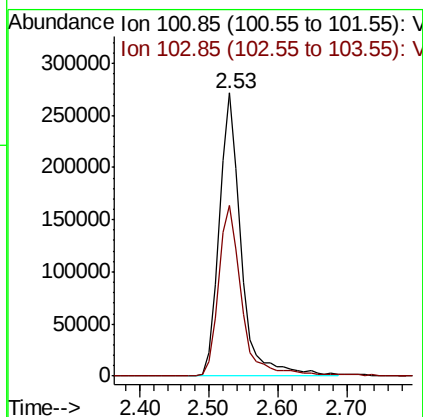
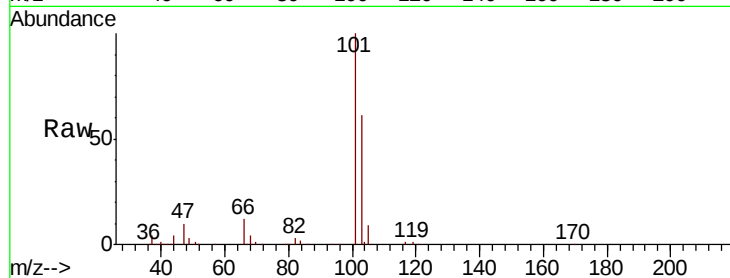


#7

Trichlorofluoromethane
Concen: 56.590 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampled :

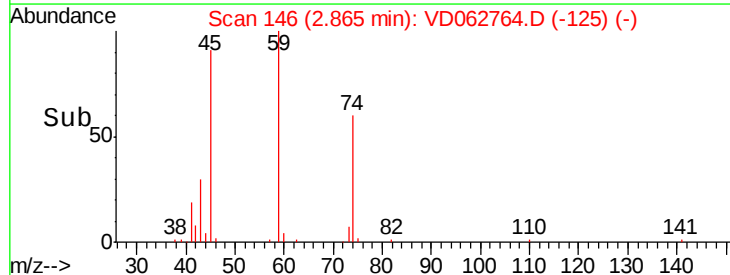
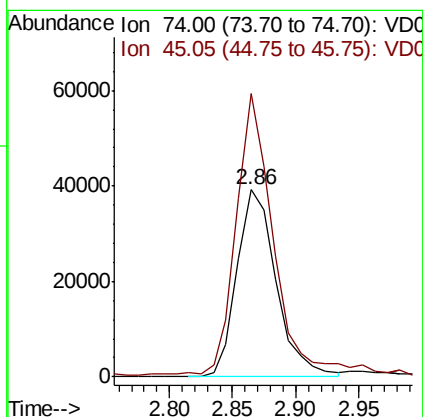
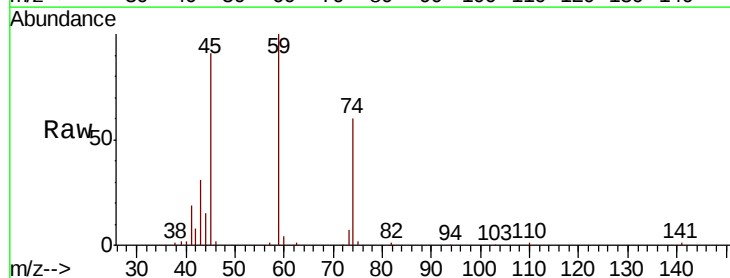
Tot Ion:101 Resp: 595530
Ion Ratio Lower Upper
101 100
103 60.6 52.2 78.2

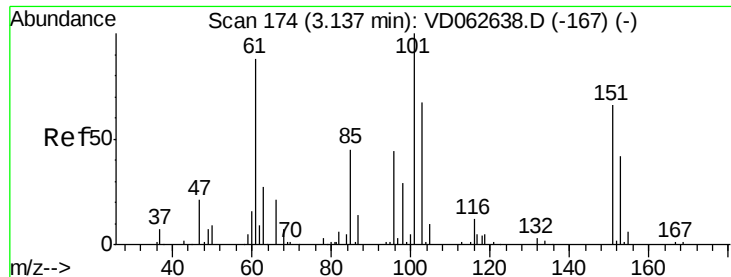


#8

Diethyl Ether
Concen: 59.146 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion: 74 Resp: 84656
Ion Ratio Lower Upper
74 100
45 151.5 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.372 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

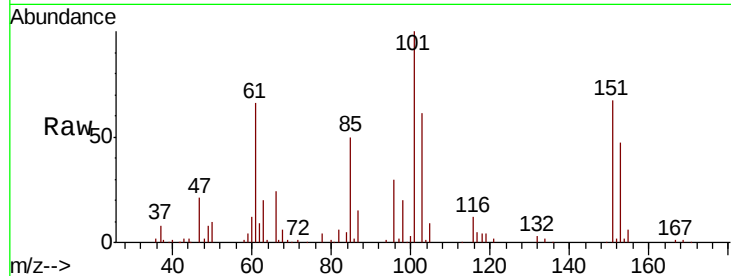
Tot Ion:101 Resp: 325610

Ion Ratio Lower Upper

101 100

85 50.4 36.0 54.0

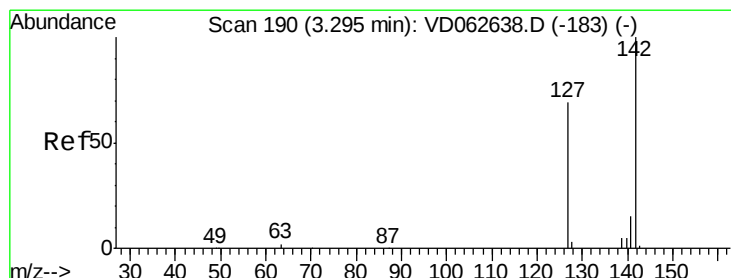
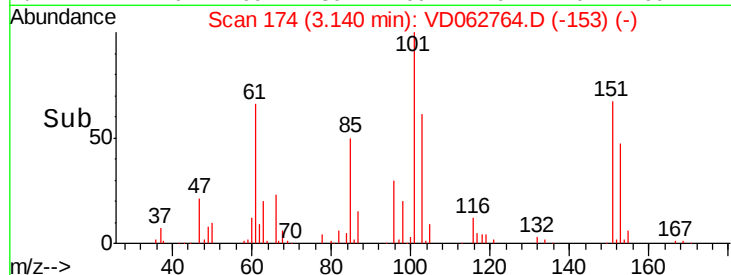
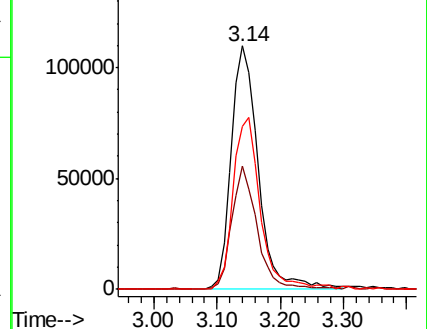
151 66.9 52.6 79.0



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: 44.199 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

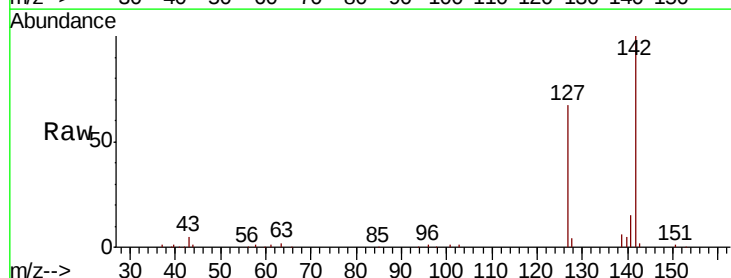
Tgt Ion:142 Resp: 359972

Ion Ratio Lower Upper

142 100

127 67.0 55.2 82.8

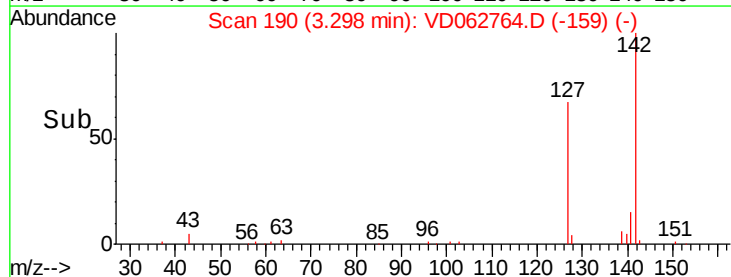
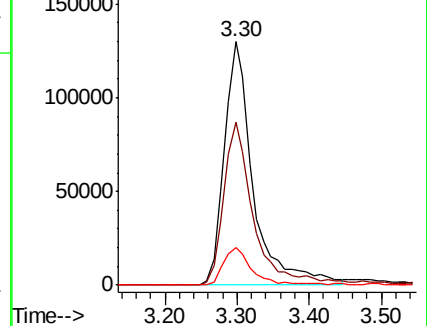
141 15.4 12.1 18.1

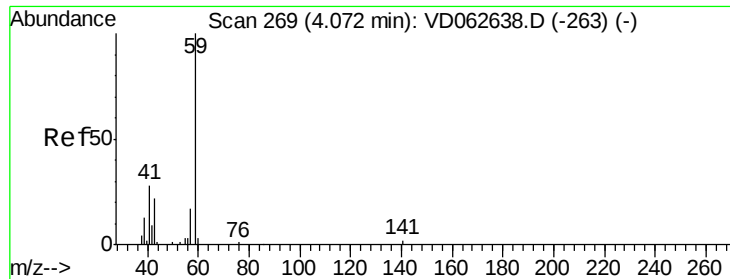


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

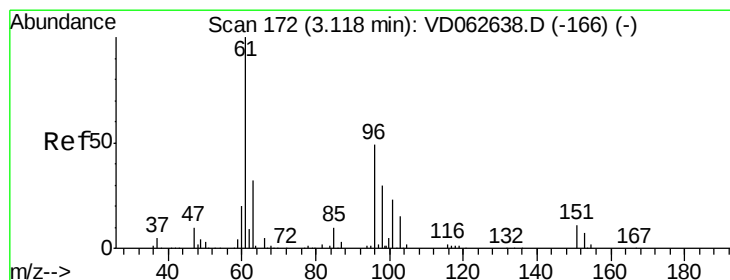
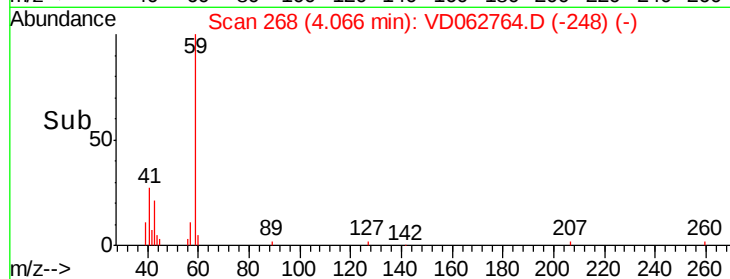
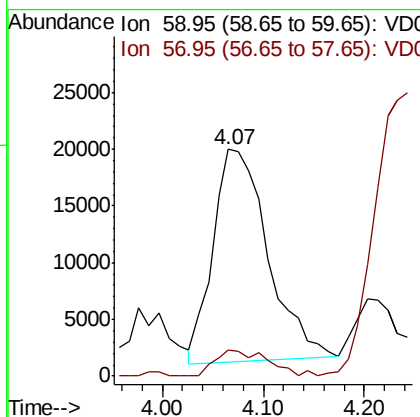
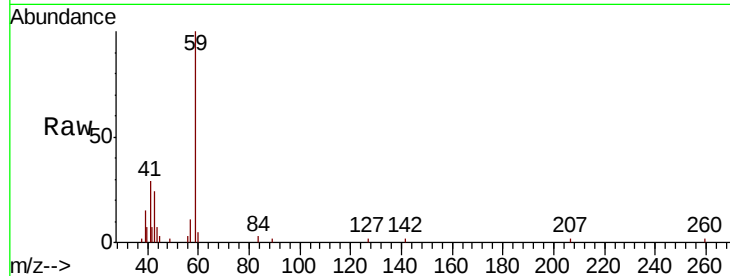




#11
Tert butyl alcohol
Concen: 259.138 ug/l
RT: 4.07 min Scan# 268
Delta R.T. -0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

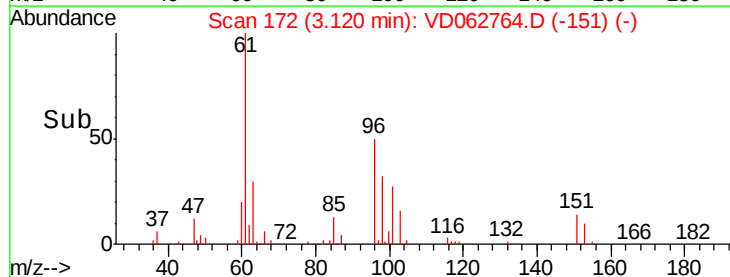
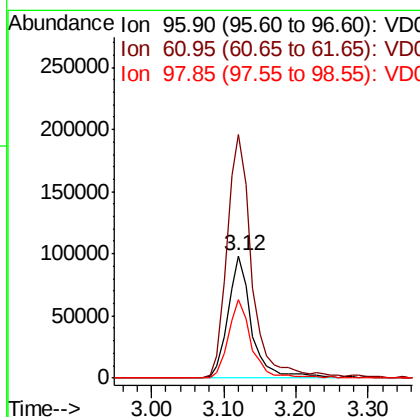
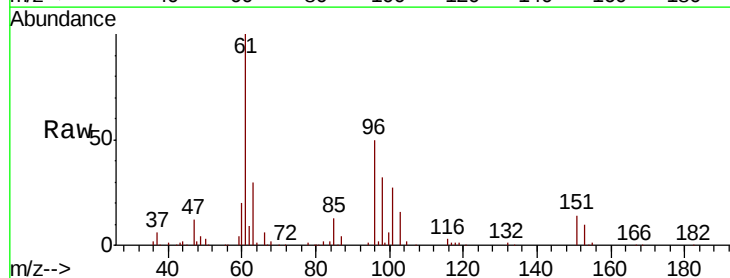
Instrument :
MSVOA_D
ClientSampleID :

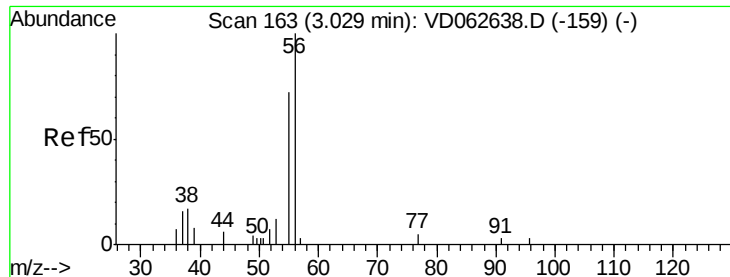
Tot Ion: 59 Resp: 70829
Ion Ratio Lower Upper
59 100
57 11.4 13.7 20.5#



#12
1,1-Dichloroethene
Concen: 54.961 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion: 96 Resp: 223853
Ion Ratio Lower Upper
96 100
61 199.5 161.8 242.8
98 63.9 48.2 72.4





#13

Acrolein

Concen: 247.201 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

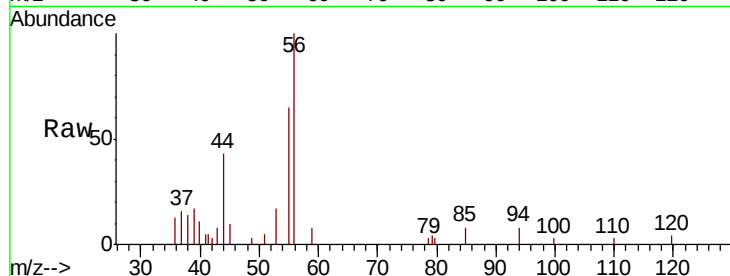
ClientSampled :

Tot Ion: 56 Resp: 21734

Ion Ratio Lower Upper

56 100

55 64.7 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

10000

8000

6000

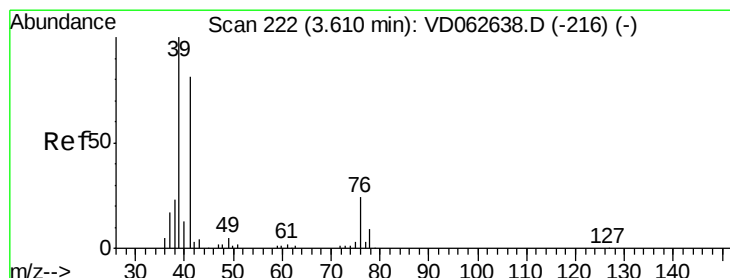
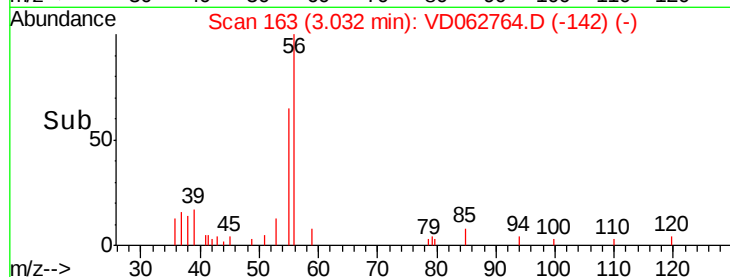
4000

2000

0

3.00 3.10

Time-->



#14

Allyl chloride

Concen: 54.021 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

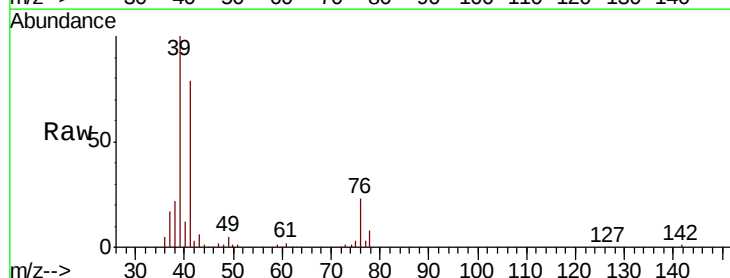
Tgt Ion: 41 Resp: 338306

Ion Ratio Lower Upper

41 100

39 126.5 99.1 148.7

76 29.0 25.0 37.6



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

200000

150000

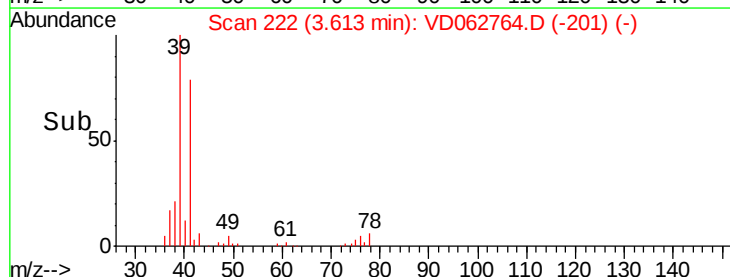
100000

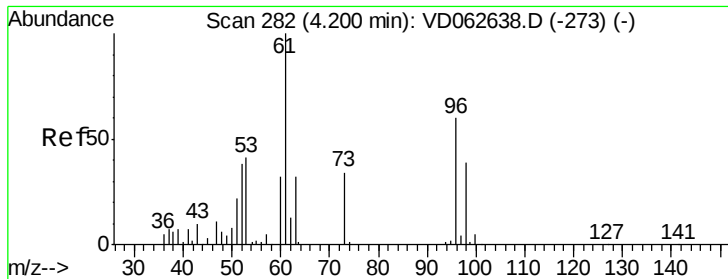
50000

0

3.40 3.50 3.60 3.70 3.80

Time-->





#15

Acrylonitrile

Concen: 292.516 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampled :

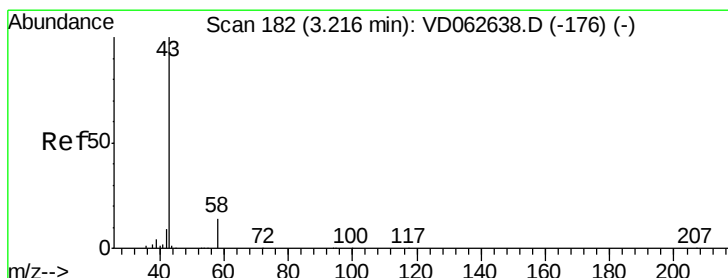
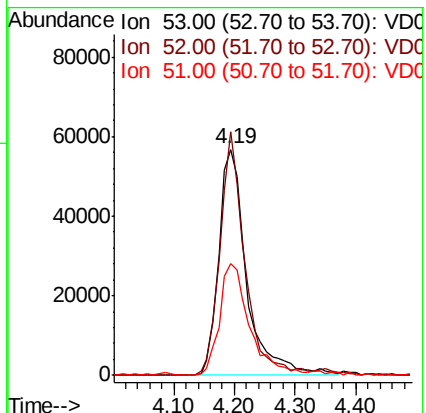
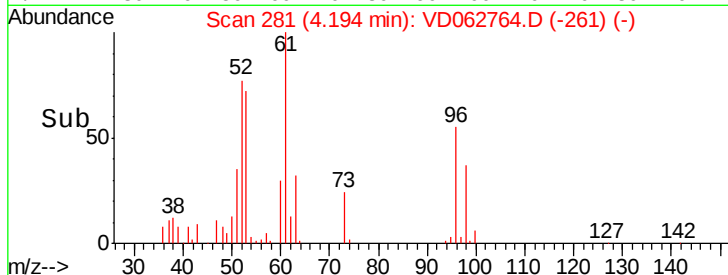
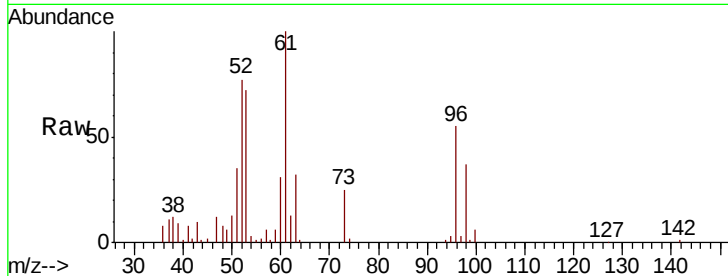
Tot Ion: 53 Resp: 181684

Ion Ratio Lower Upper

53 100

52 107.8 73.6 110.4

51 49.4 42.0 63.0



#16

Acetone

Concen: 293.295 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD062764.D

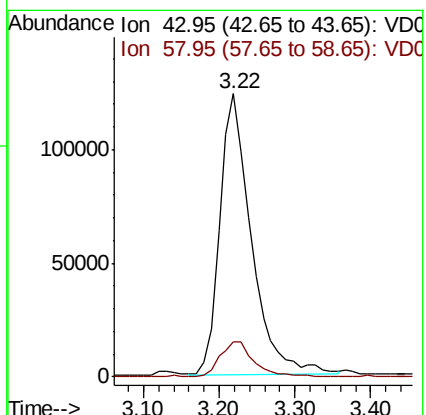
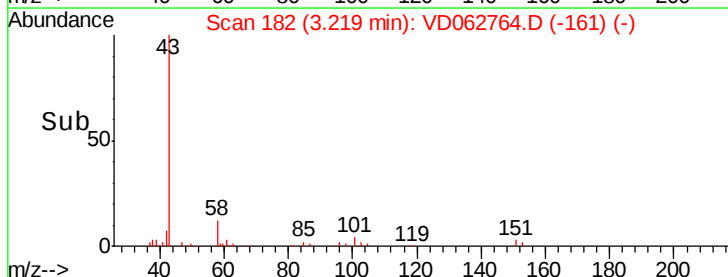
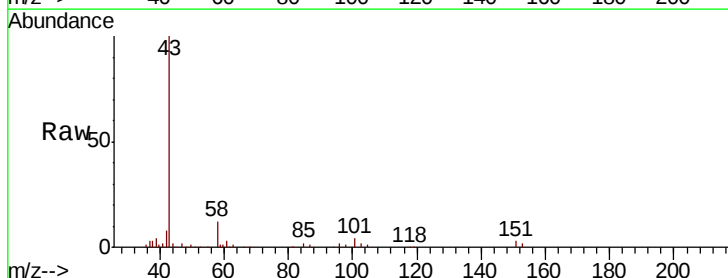
Acq: 18 Jun 2019 22:46

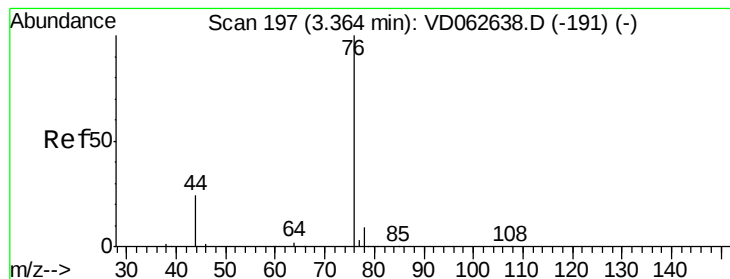
Tgt Ion: 43 Resp: 357121

Ion Ratio Lower Upper

43 100

58 12.3 10.8 16.2





#17

Carbon Disulfide

Concen: 47.285 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

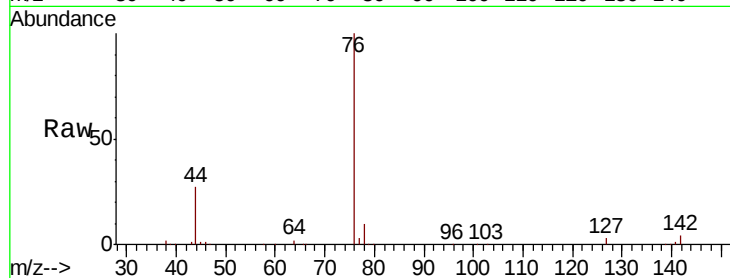
ClientSampleId :

Tot Ion: 76 Resp: 567523

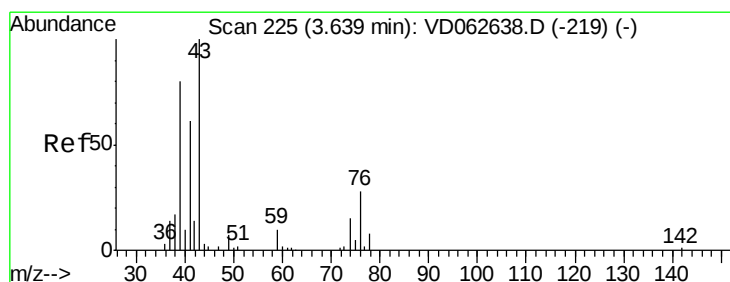
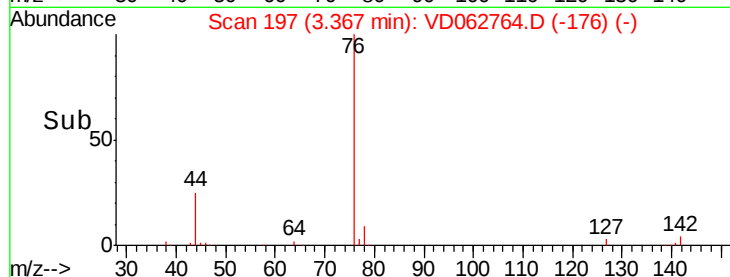
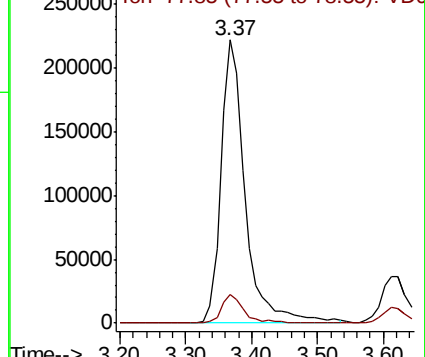
Ion Ratio Lower Upper

76 100

78 10.3 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 59.442 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD062764.D

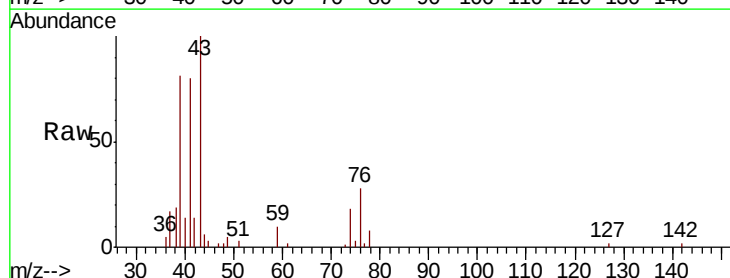
Acq: 18 Jun 2019 22:46

Tgt Ion: 43 Resp: 118947

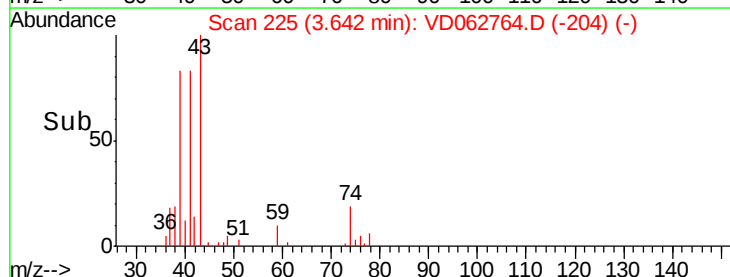
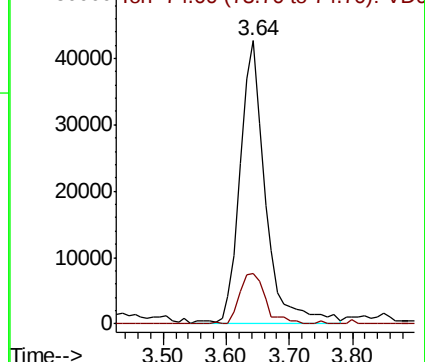
Ion Ratio Lower Upper

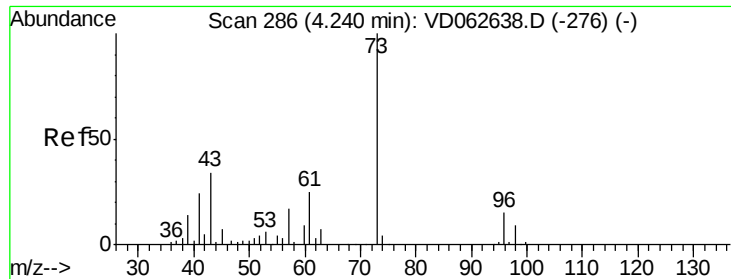
43 100

74 17.9 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

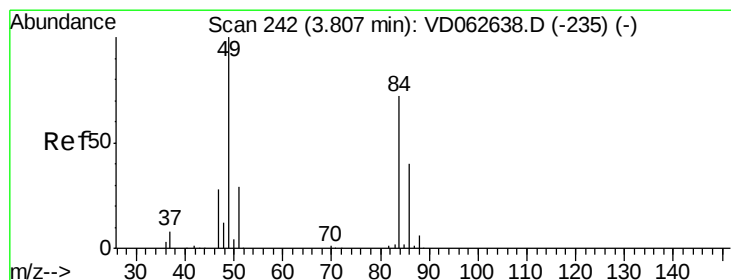
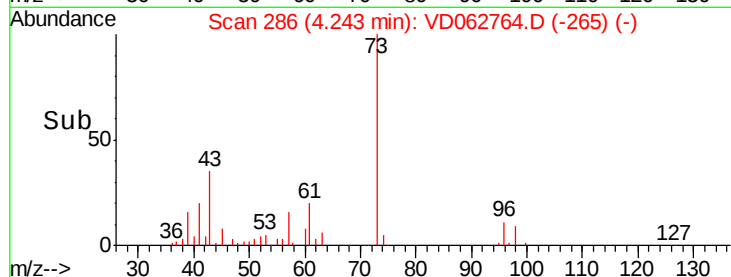
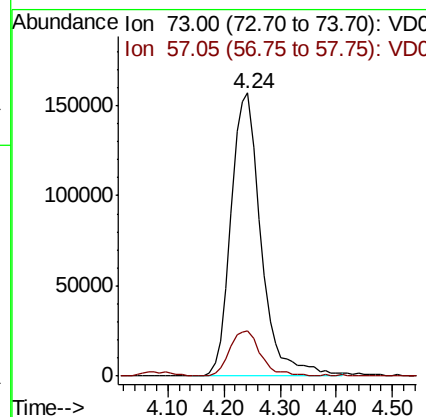
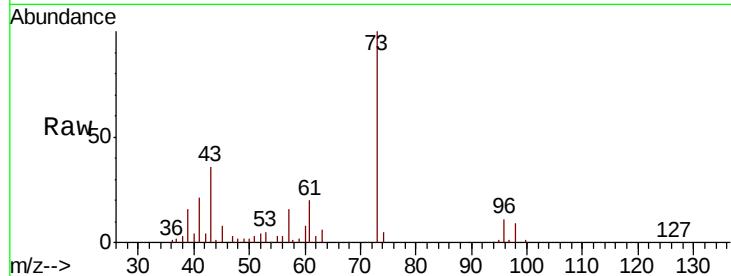




#19
Methyl tert-butyl Ether
Concen: 58.960 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

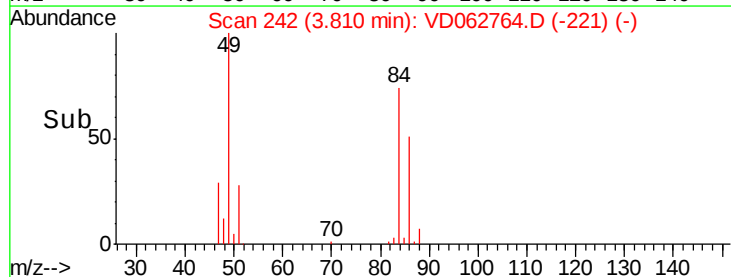
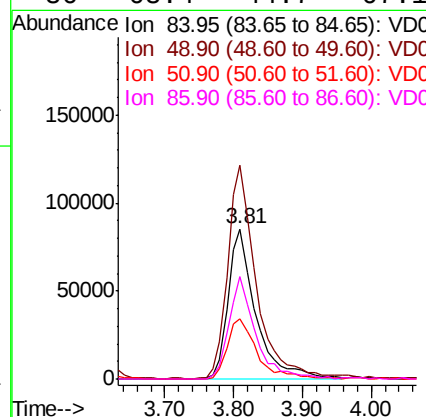
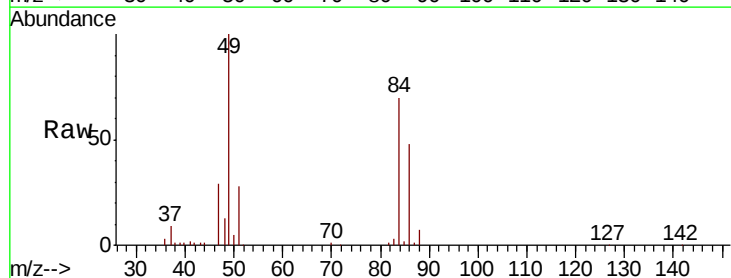
Instrument :
MSVOA_D
ClientSampleId :

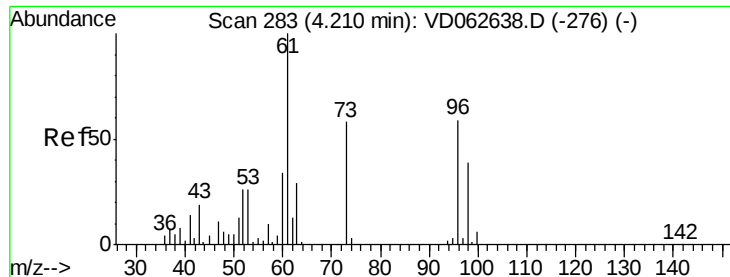
Tot Ion: 73 Resp: 585686
Ion Ratio Lower Upper
73 100
57 15.9 13.5 20.3



#20
Methylene Chloride
Concen: 51.520 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion: 84 Resp: 236954
Ion Ratio Lower Upper
84 100
49 142.0 111.2 166.8
51 40.2 31.9 47.9
86 68.4 44.7 67.1#





#21

trans-1,2-Dichloroethene

Concen: 52.045 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

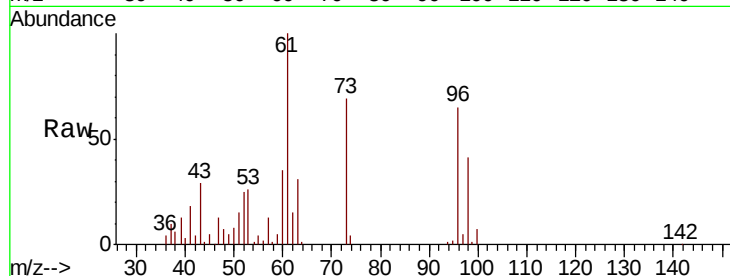
Tot Ion: 96 Resp: 232518

Ion Ratio Lower Upper

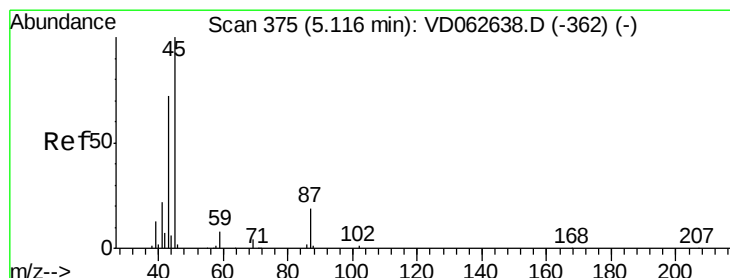
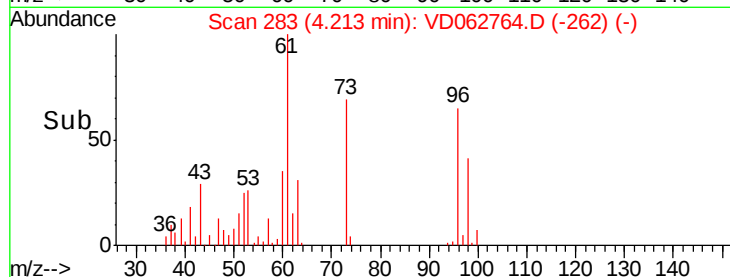
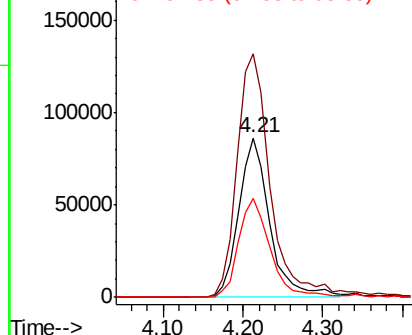
96 100

61 152.7 134.6 201.8

98 62.2 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: 57.417 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Tgt Ion: 45 Resp: 746613

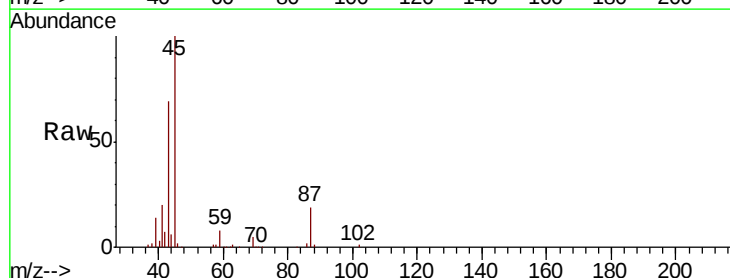
Ion Ratio Lower Upper

45 100

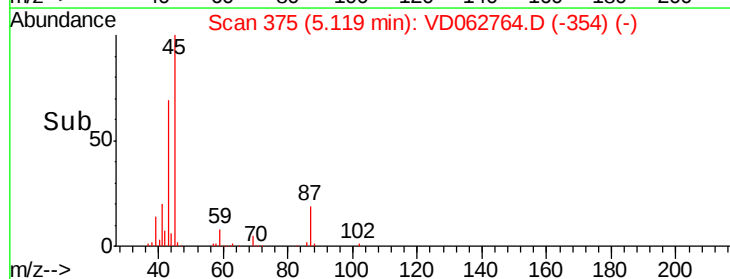
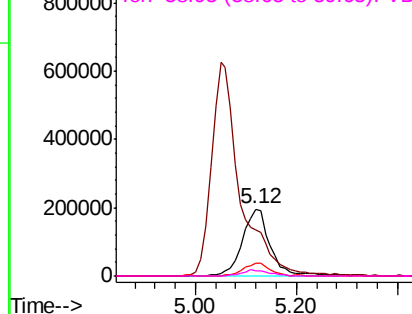
43 69.2 58.8 88.2

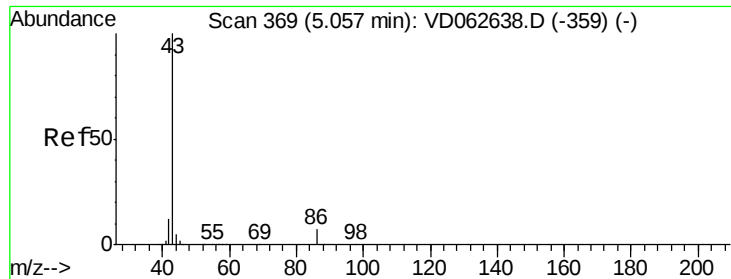
87 18.5 15.7 23.5

59 8.1 6.6 9.8



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: 306.504 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

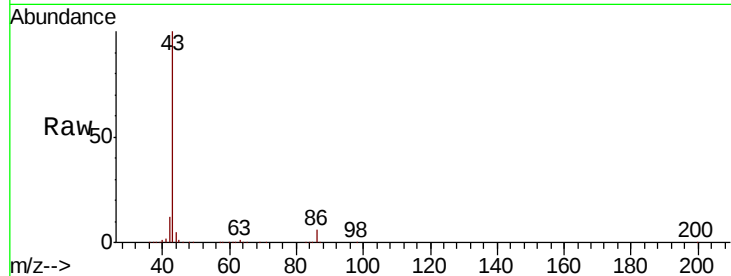
ClientSampleId :

Tot Ion: 43 Resp: 2472602

Ion Ratio Lower Upper

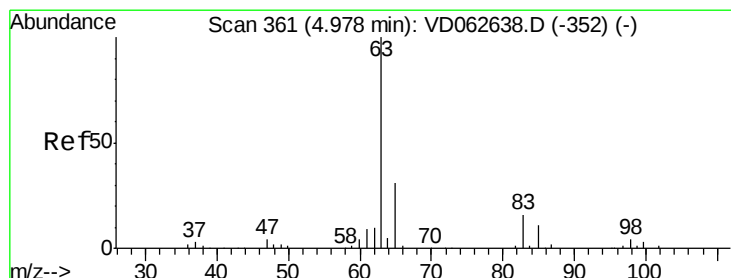
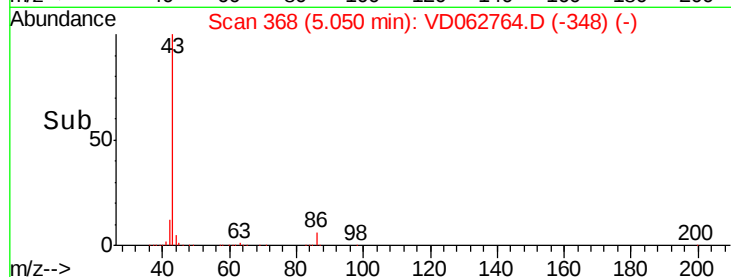
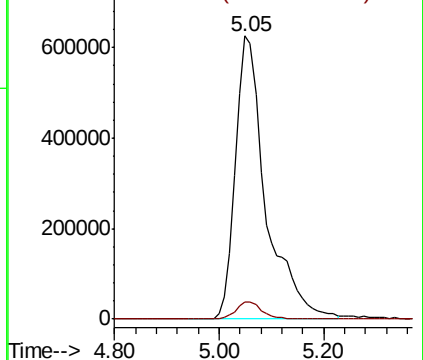
43 100

86 6.1 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 57.214 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

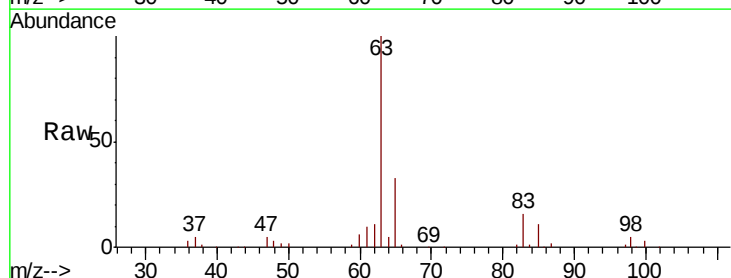
Tgt Ion: 63 Resp: 478617

Ion Ratio Lower Upper

63 100

98 5.3 1.8 5.4

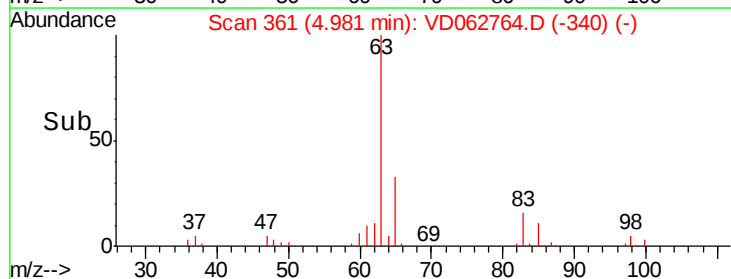
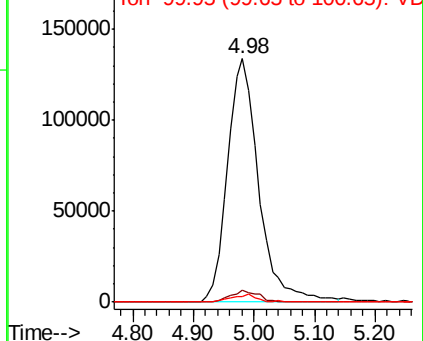
100 2.5 1.5 4.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 295.378 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

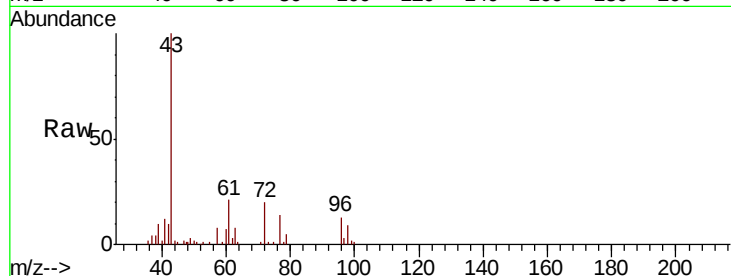
ClientSampleId :

Tot Ion: 43 Resp: 350877

Ion Ratio Lower Upper

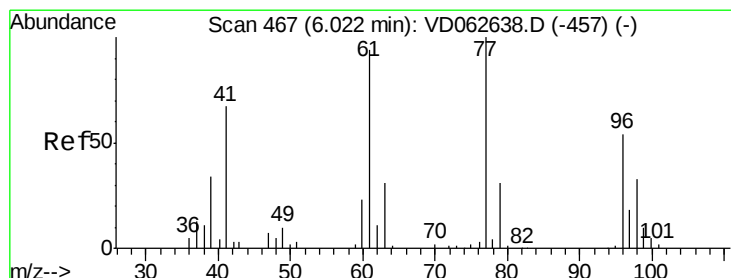
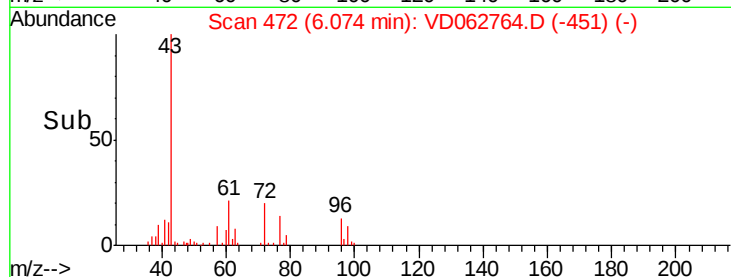
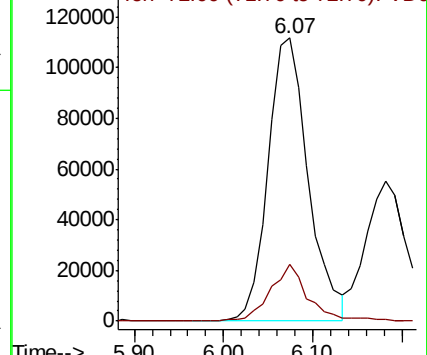
43 100

72 19.9 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.597 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD062764.D

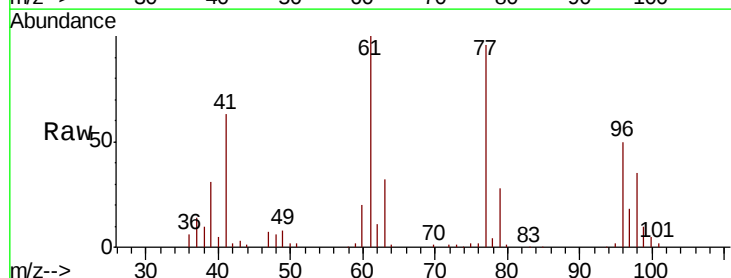
Acq: 18 Jun 2019 22:46

Tgt Ion: 77 Resp: 526374

Ion Ratio Lower Upper

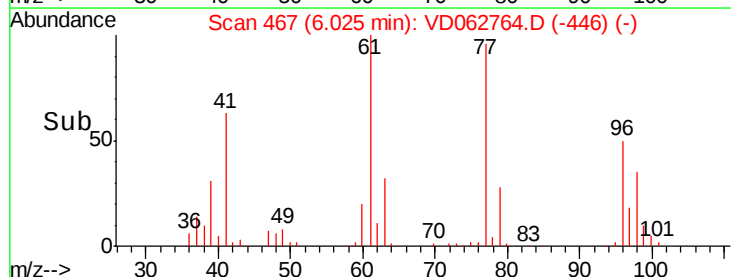
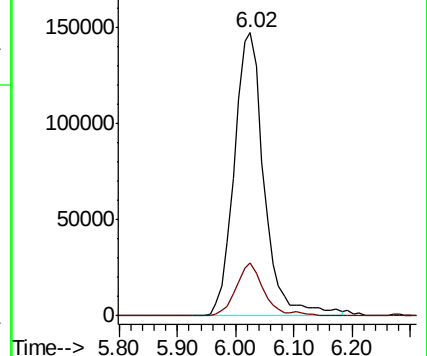
77 100

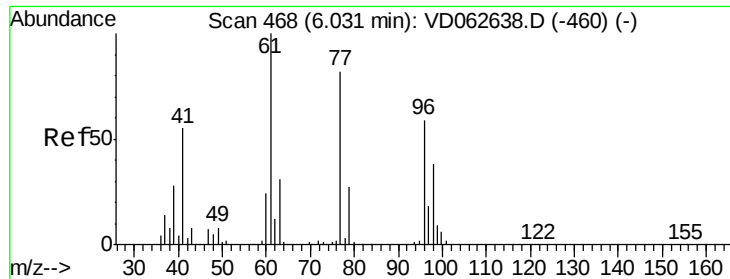
97 18.9 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



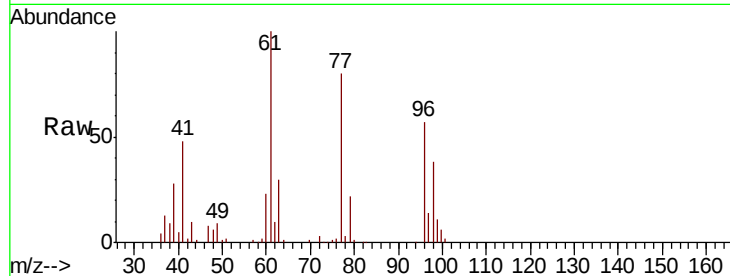


#27

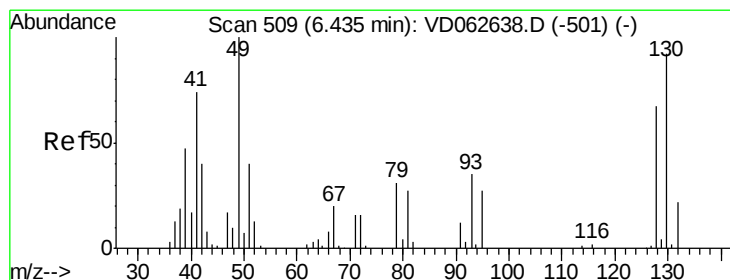
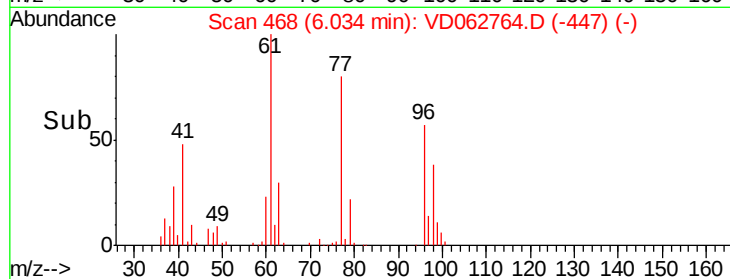
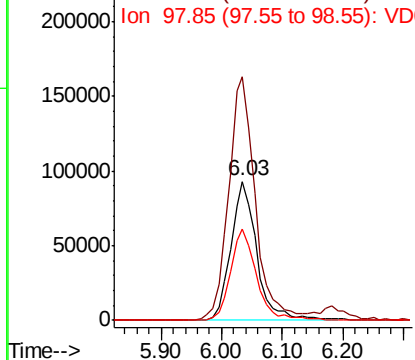
cis-1,2-Dichloroethene
Concen: 56.943 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 275790
Ion Ratio Lower Upper
96 100
61 174.9 0.0 340.0
98 65.6 0.0 127.6



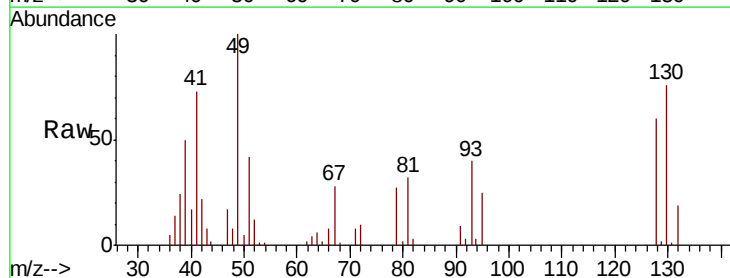
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



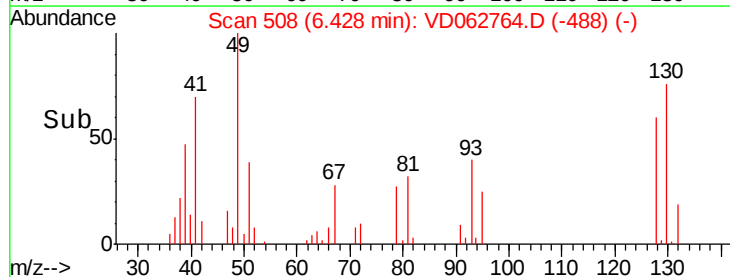
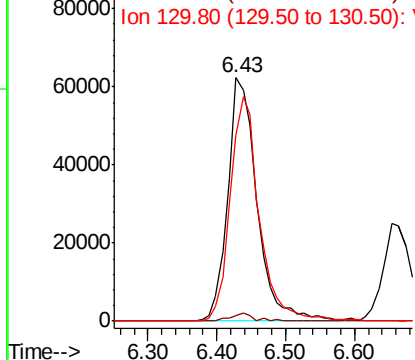
#28

Bromochloromethane
Concen: 57.107 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion: 49 Resp: 182615
Ion Ratio Lower Upper
49 100
129 2.3 0.0 8.2
130 76.2 73.4 110.0



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





#29

Tetrahydrofuran

Concen: 303.997 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

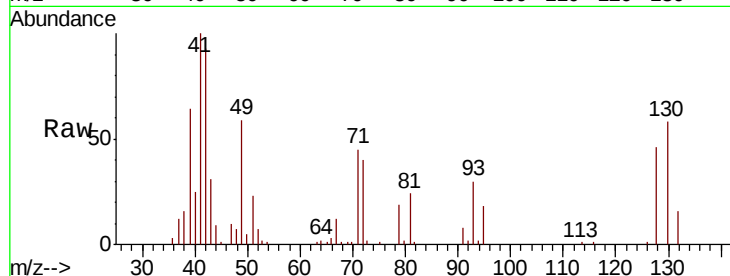
Tot Ion: 42 Resp: 162621

Ion Ratio Lower Upper

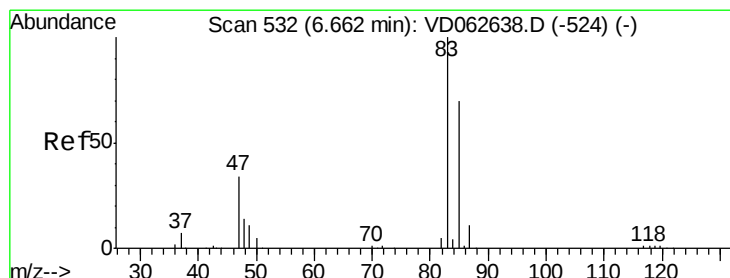
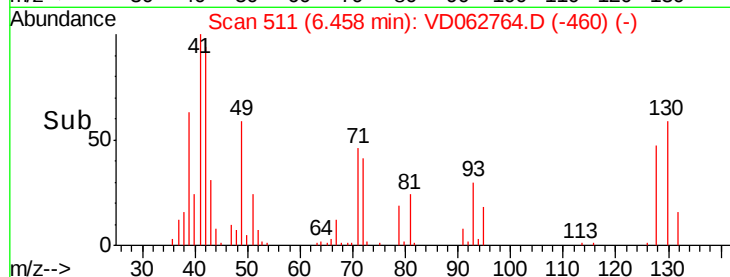
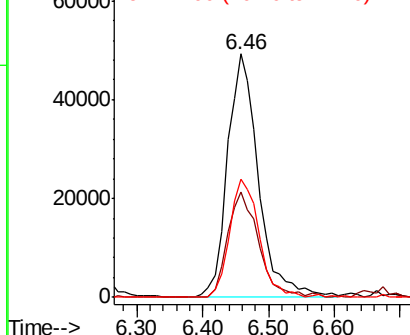
42 100

72 43.5 33.8 50.6

71 45.9 34.2 51.4



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: 64.028 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD062764.D

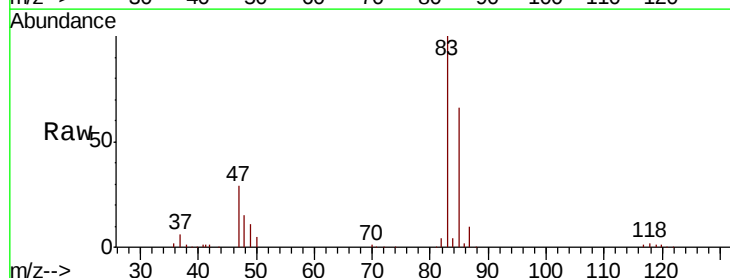
Acq: 18 Jun 2019 22:46

Tgt Ion: 83 Resp: 687204

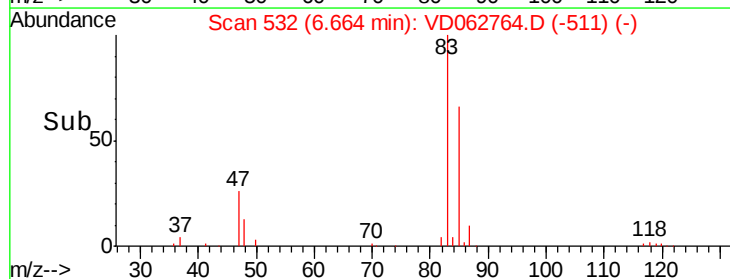
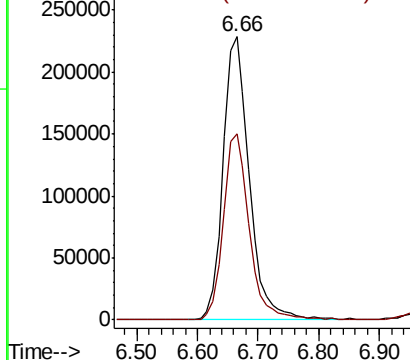
Ion Ratio Lower Upper

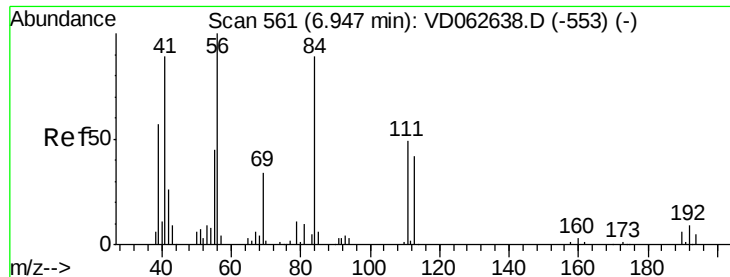
83 100

85 65.8 55.8 83.6



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

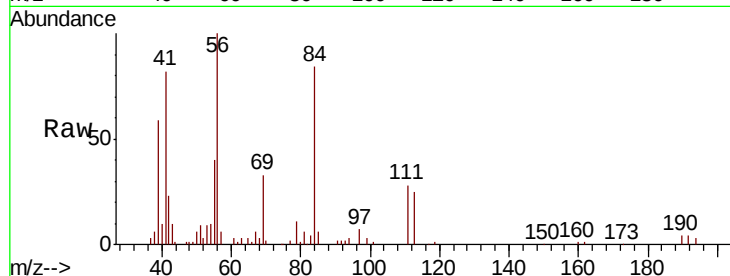




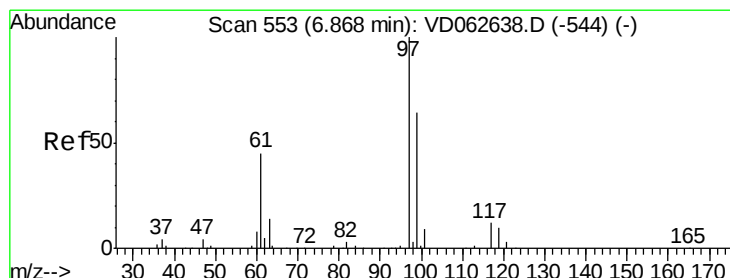
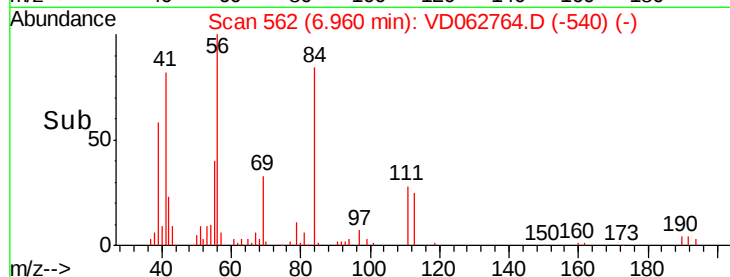
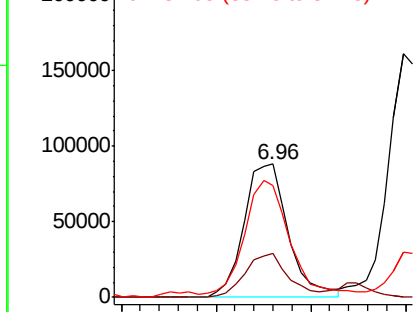
#31
Cyclohexane
Concen: 54.945 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 288322
Ion Ratio Lower Upper
56 100
69 32.8 26.8 40.2
84 84.1 73.9 110.9

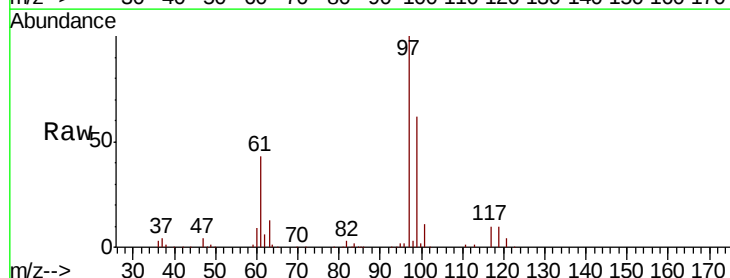


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

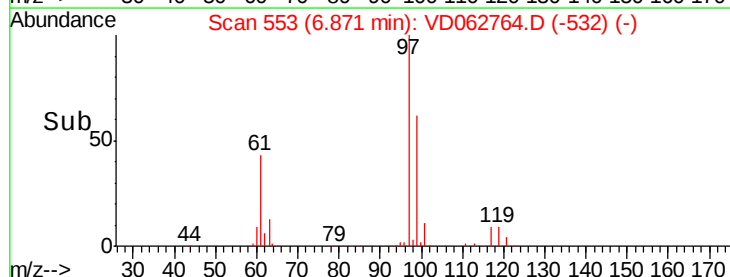
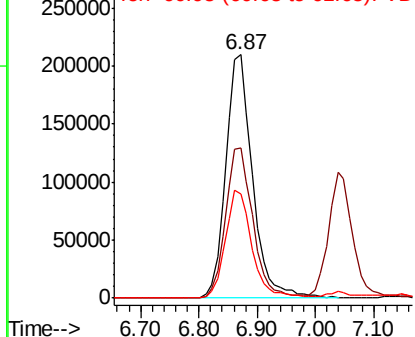


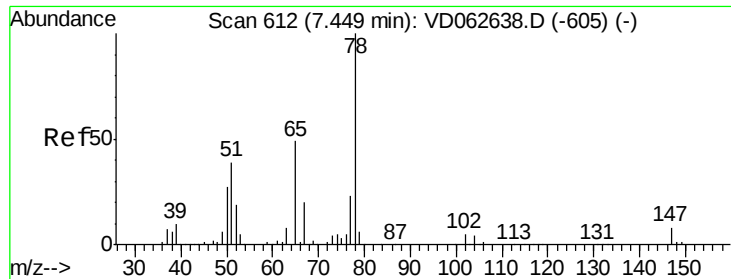
#32
1,1,1-Trichloroethane
Concen: 62.594 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion: 97 Resp: 668493
Ion Ratio Lower Upper
97 100
99 61.9 51.4 77.0
61 42.6 35.6 53.4



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





#33

1,2-Dichloroethane-d4

Concen: 65.813 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

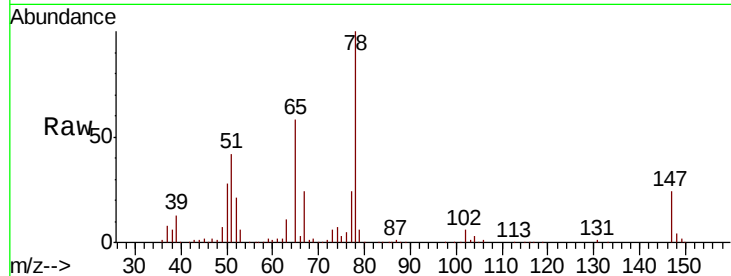
ClientSampleId :

Tot Ion: 65 Resp: 437620

Ion Ratio Lower Upper

65 100

67 41.3 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

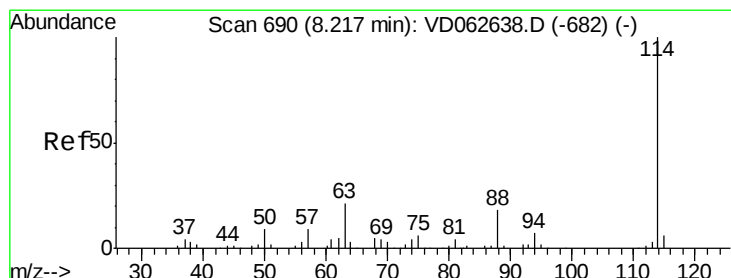
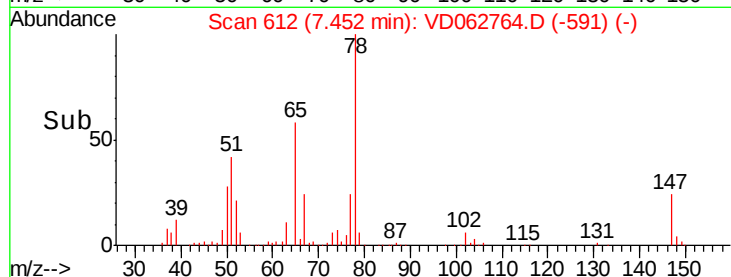
100000

50000

0

7.40 7.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

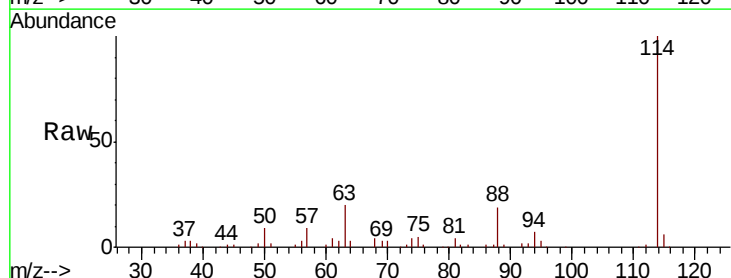
Tgt Ion: 114 Resp: 619186

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 19.0 0.0 36.8



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

300000

250000

200000

150000

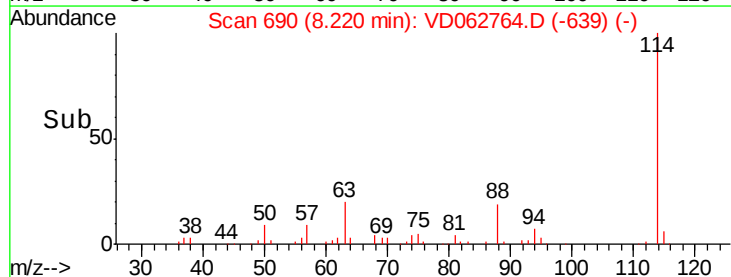
100000

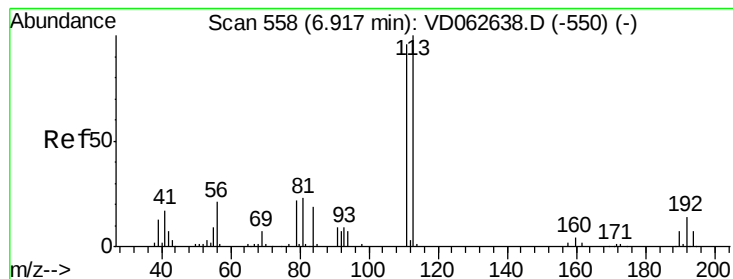
50000

0

8.10 8.20 8.30 8.40

Time-->





#35

Dibromofluoromethane

Concen: 61.718 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

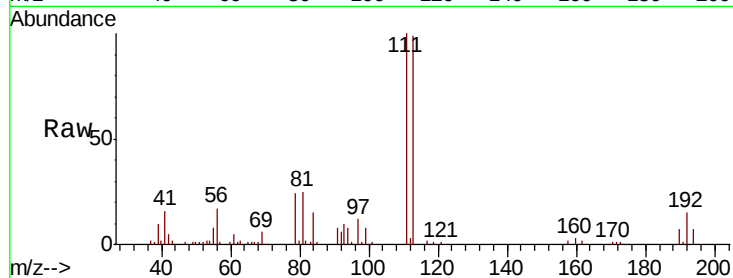
Tot Ion:113 Resp: 403030

Ion Ratio Lower Upper

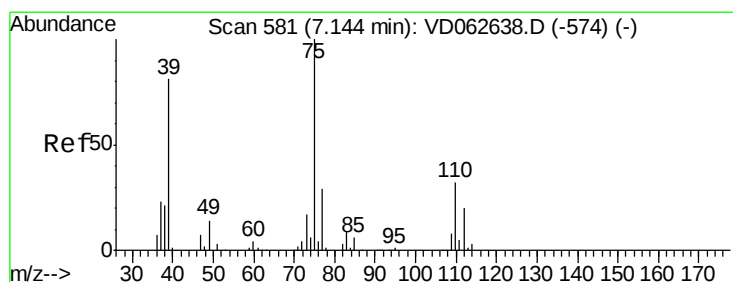
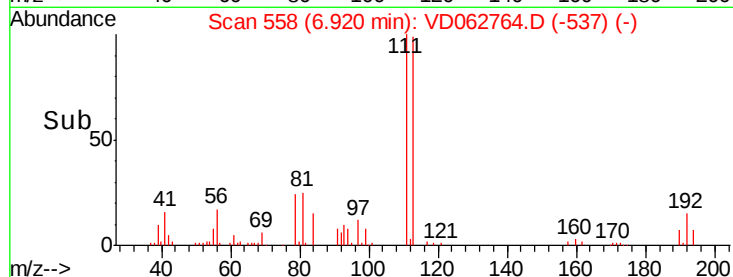
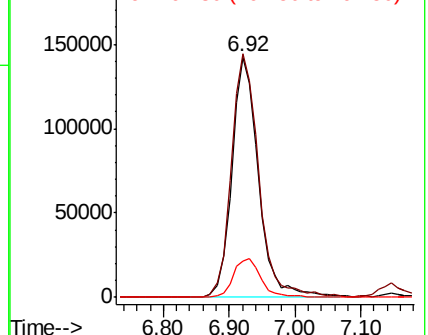
113 100

111 101.3 76.4 114.6

192 15.3 11.4 17.0



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: 53.401 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

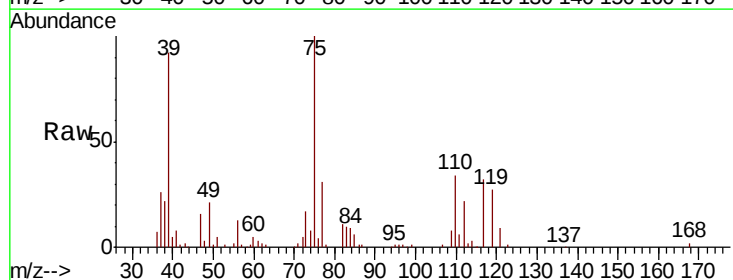
Tgt Ion: 75 Resp: 378431

Ion Ratio Lower Upper

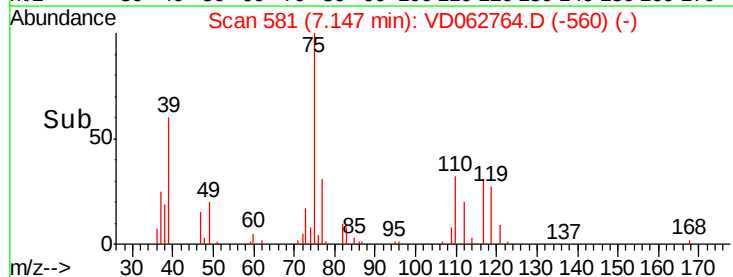
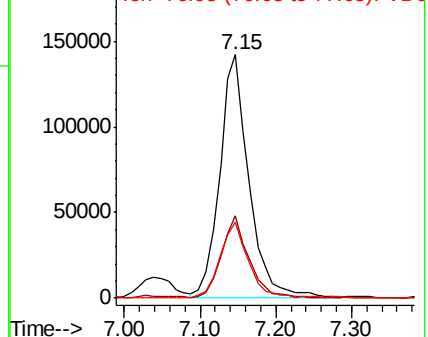
75 100

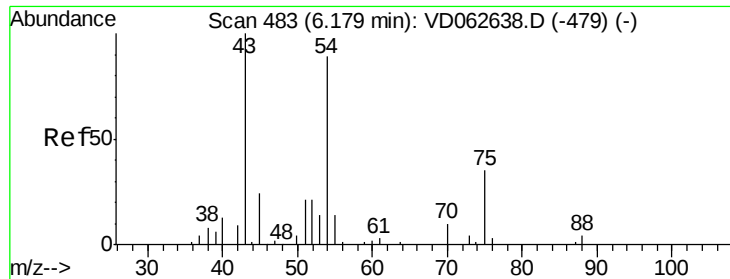
110 33.7 15.9 47.7

77 31.3 23.3 34.9



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

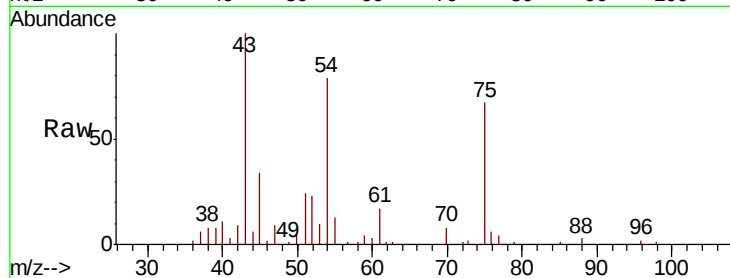




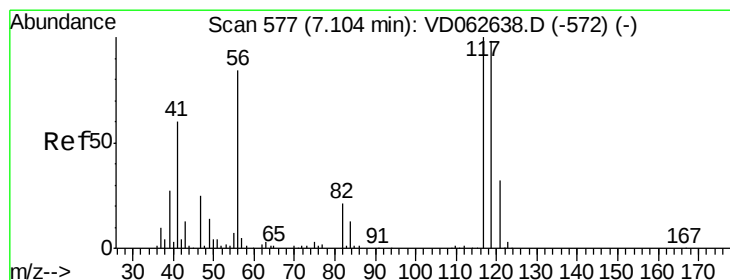
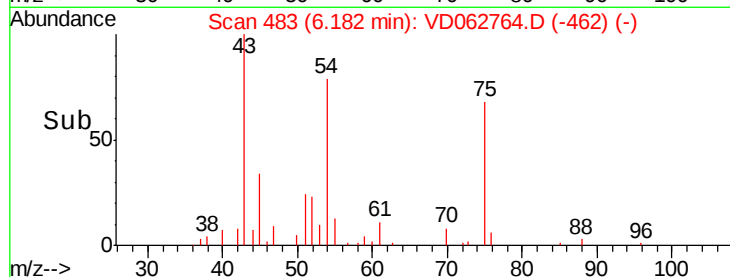
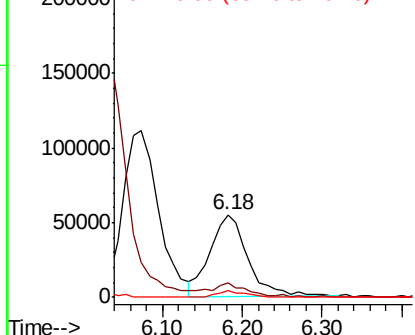
#37
Ethyl Acetate
Concen: 59.202 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 179568
Ion Ratio Lower Upper
43 100
61 17.1 8.7 13.1#
70 8.4 6.5 9.7

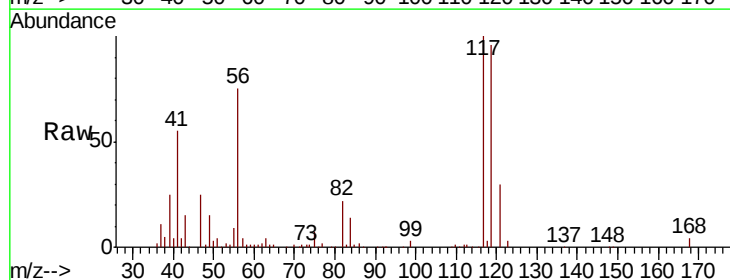


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

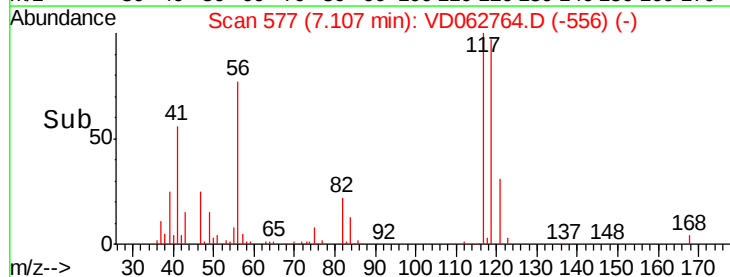
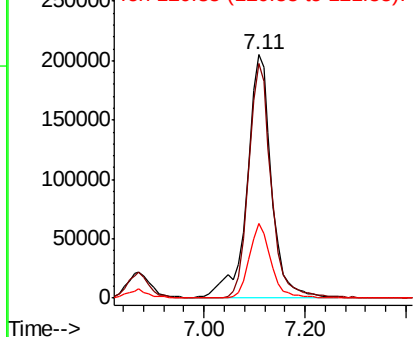


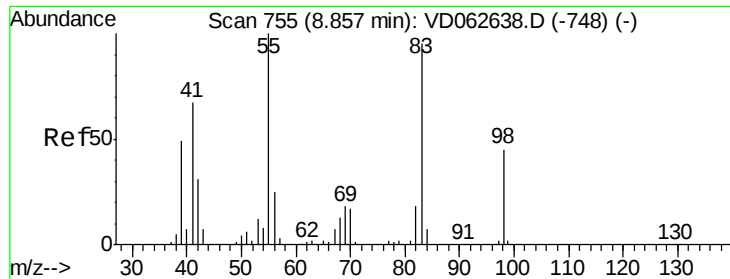
#38
Carbon Tetrachloride
Concen: 61.563 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion: 117 Resp: 689571
Ion Ratio Lower Upper
117 100
119 96.2 73.5 110.3
121 30.4 24.2 36.4



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

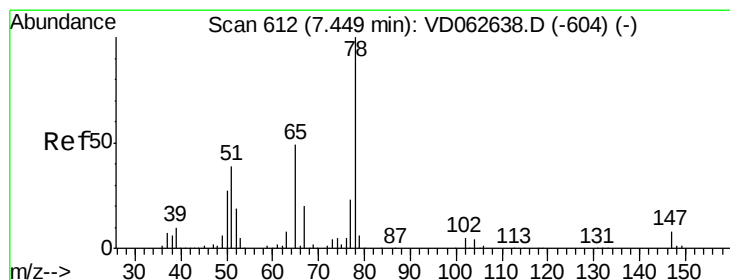
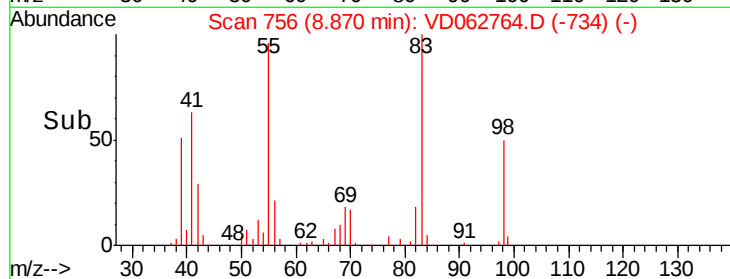
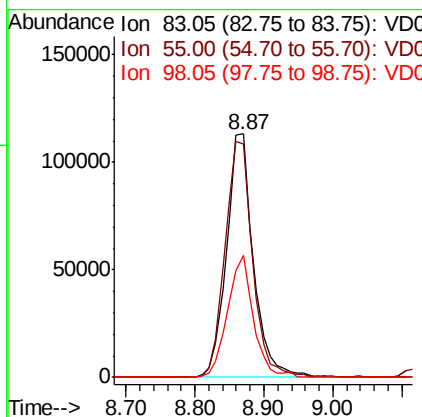
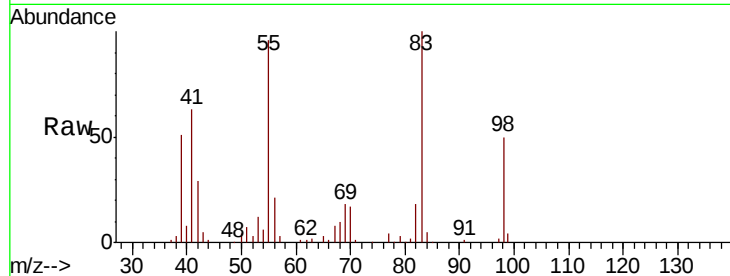




#39
Methvlcvclohexane
Concen: 53.349 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

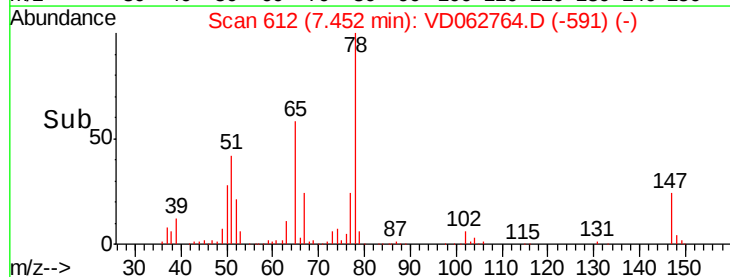
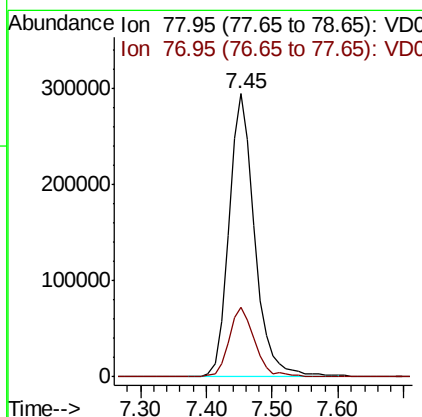
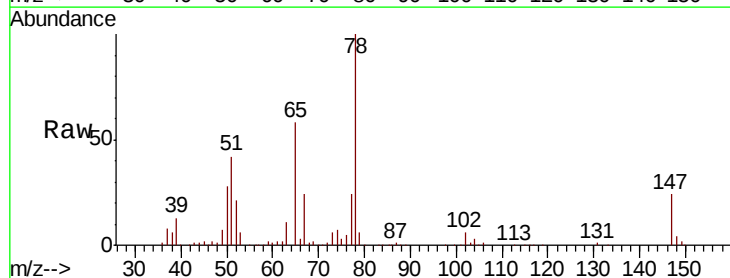
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 305510
Ion Ratio Lower Upper
83 100
55 95.9 84.6 127.0
98 50.4 38.2 57.4



#40
Benzene
Concen: 58.172 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion: 78 Resp: 805060
Ion Ratio Lower Upper
78 100
77 24.5 18.6 28.0

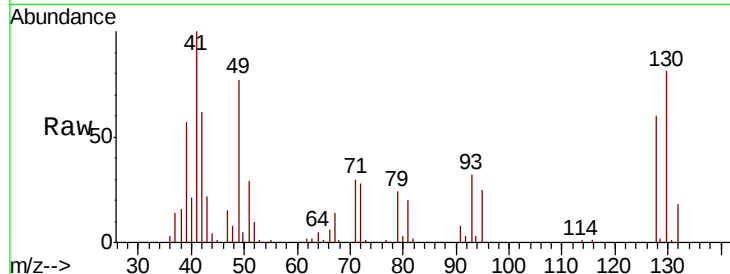




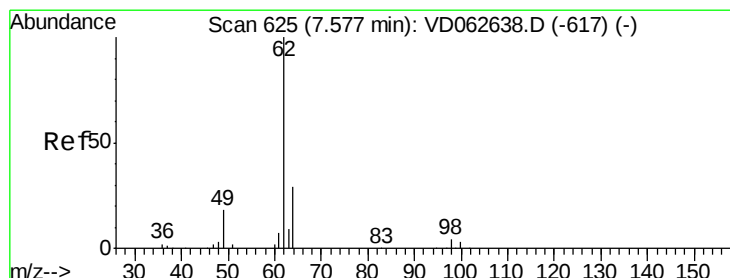
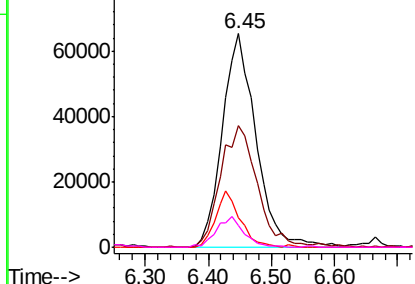
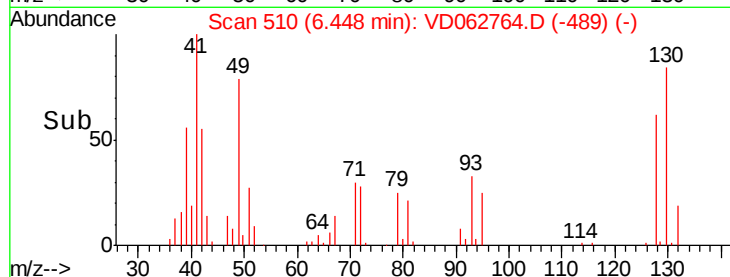
#41
Methacrylonitrile
Concen: 65.225 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 241962
Ion Ratio Lower Upper
41 100
39 56.7 49.2 73.8
67 13.8 13.9 20.9#
52 10.4 7.6 11.4

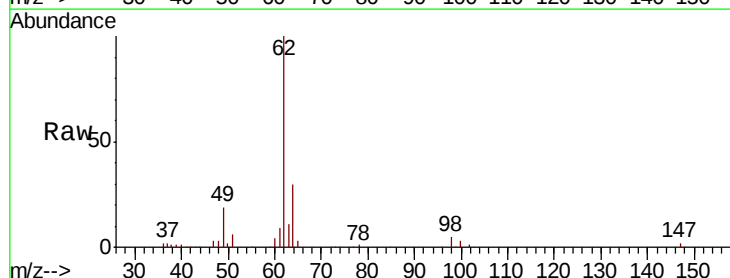


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

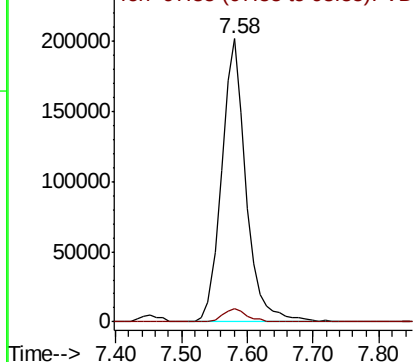
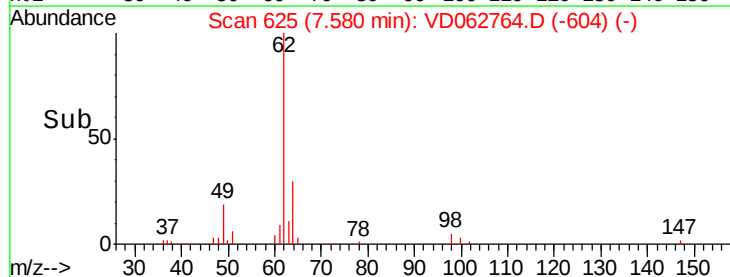


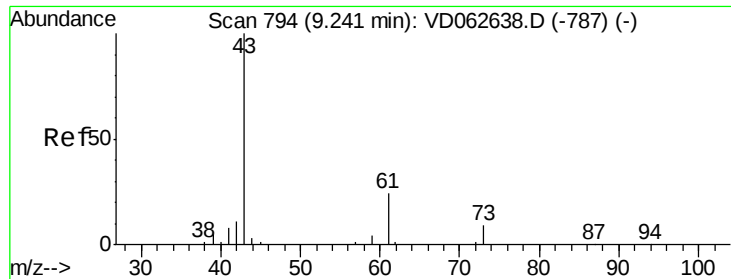
#42
1,2-Dichloroethane
Concen: 62.818 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion: 62 Resp: 518170
Ion Ratio Lower Upper
62 100
98 4.5 0.0 7.4



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

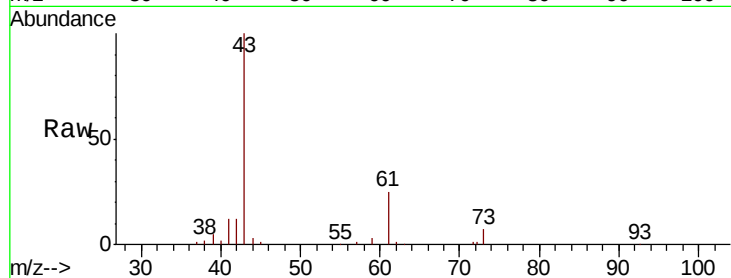




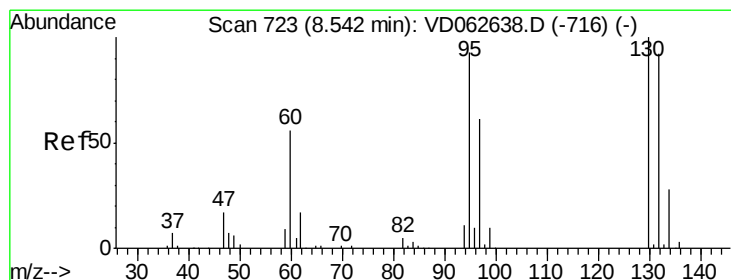
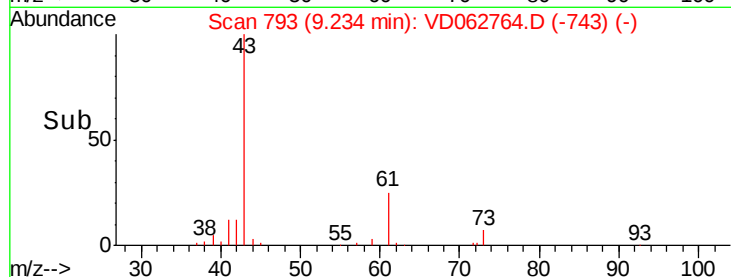
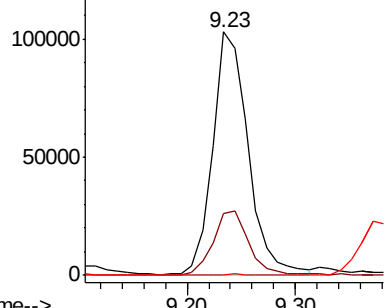
#43
Isopropyl Acetate
Concen: 61.952 ug/l
RT: 9.23 min Scan# 793
Delta R.T. -0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 231648
Ion Ratio Lower Upper
43 100
61 25.5 19.0 28.6
87 0.0 0.3 0.5#

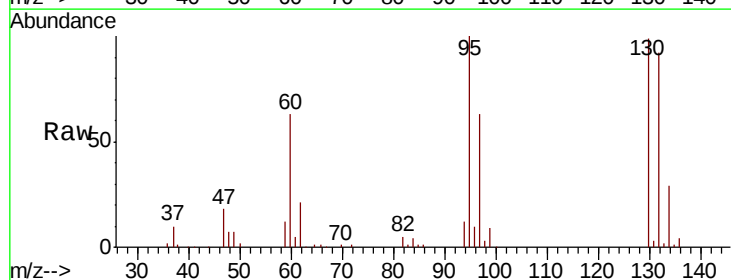


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

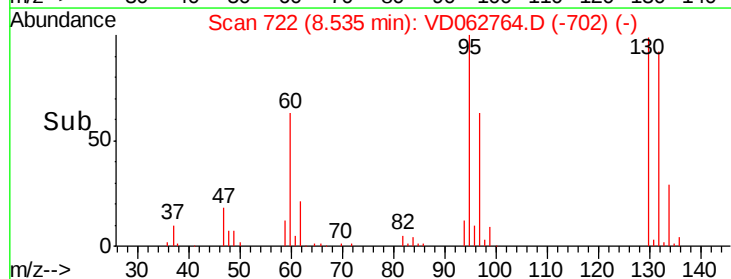
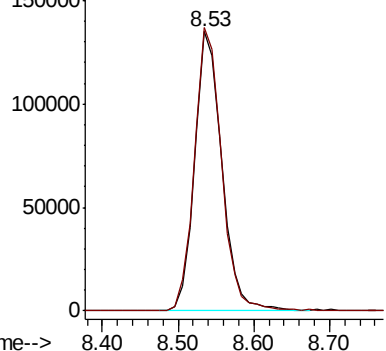


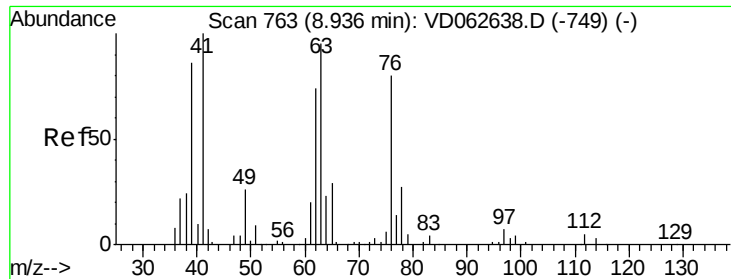
#44
Trichloroethene
Concen: 59.590 ug/l
RT: 8.53 min Scan# 722
Delta R.T. -0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion:130 Resp: 334804
Ion Ratio Lower Upper
130 100
95 101.4 0.0 185.6



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





#45

1,2-Dichloropropane

Concen: 61.403 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

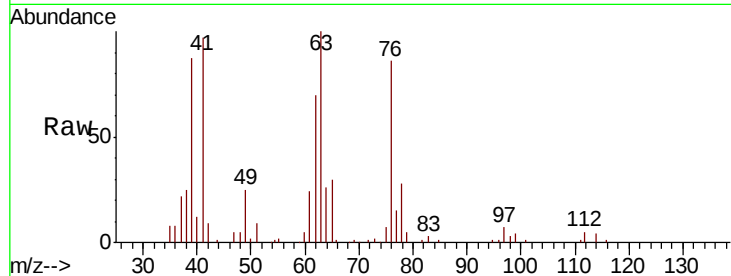
ClientSampleId :

Tot Ion: 63 Resp: 204115

Ion Ratio Lower Upper

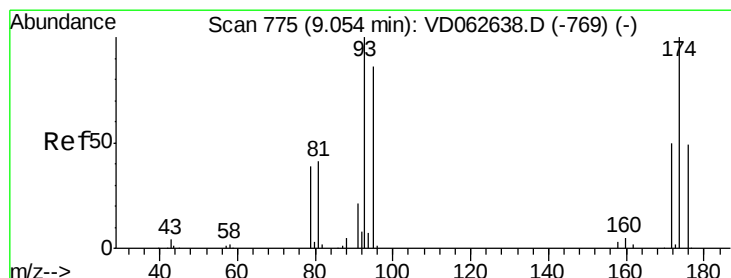
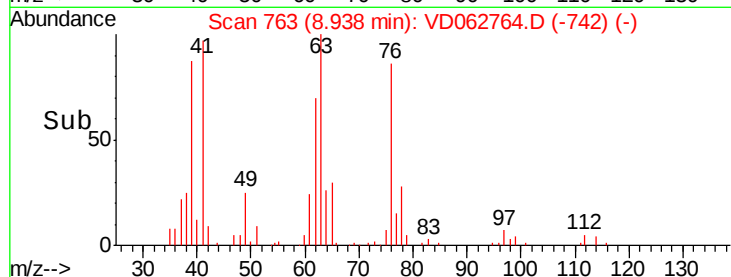
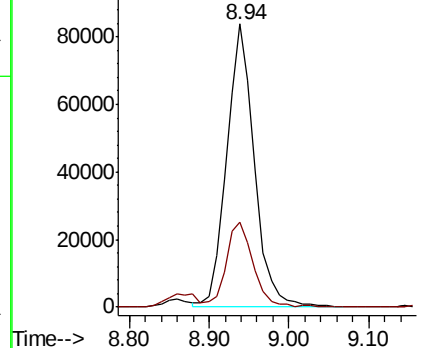
63 100

65 30.2 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 68.026 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

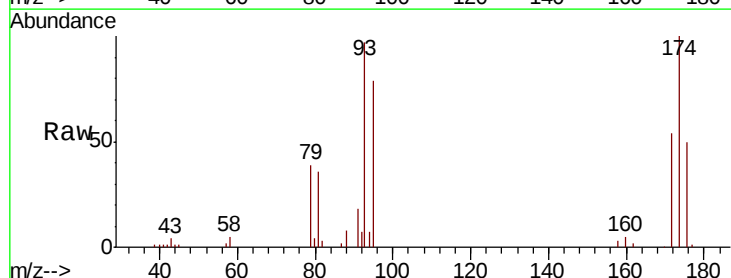
Tgt Ion: 93 Resp: 200725

Ion Ratio Lower Upper

93 100

95 81.5 68.7 103.1

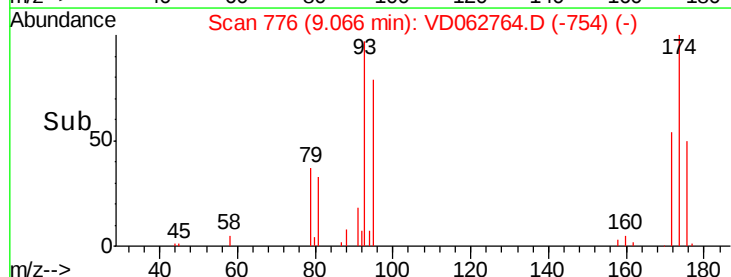
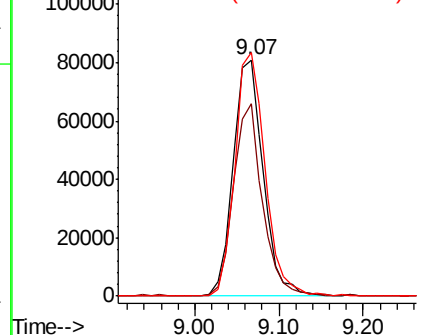
174 103.1 79.8 119.8

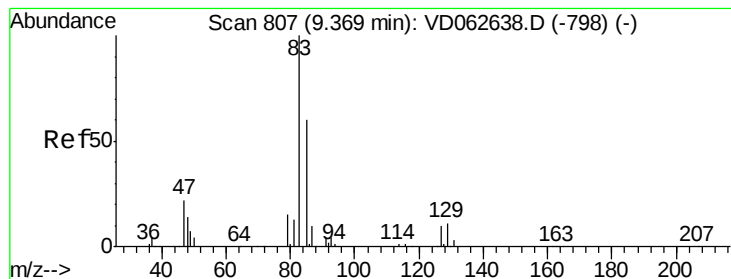


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 65.738 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampled :

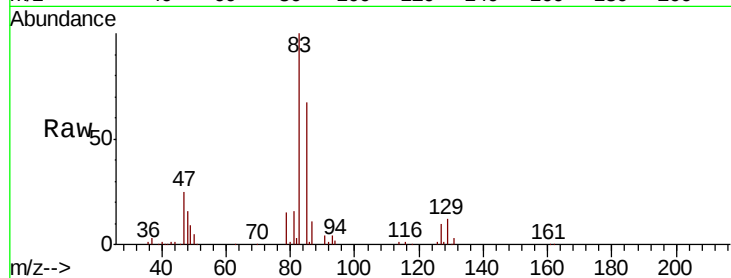
Tot Ion: 83 Resp: 527666

Ion Ratio Lower Upper

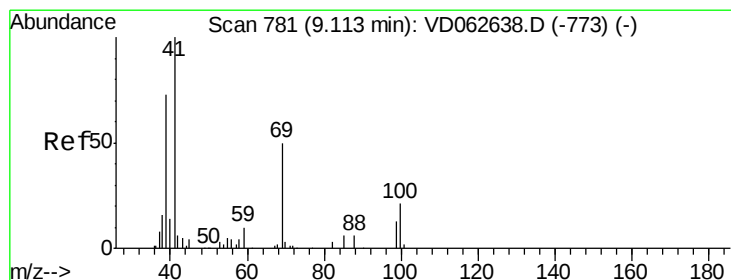
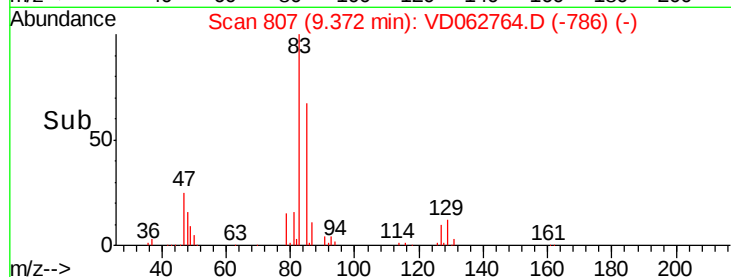
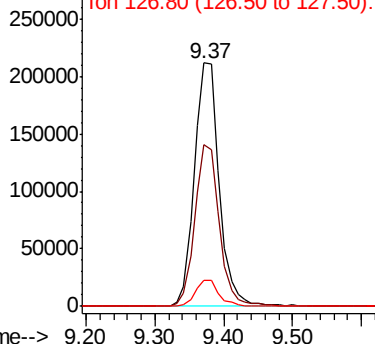
83 100

85 66.5 47.9 71.9

127 10.4 8.2 12.4



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: 64.825 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

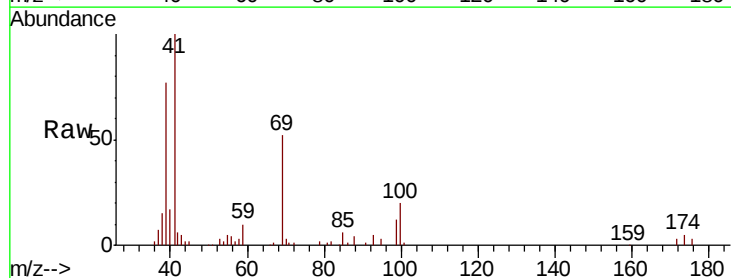
Tgt Ion: 41 Resp: 175114

Ion Ratio Lower Upper

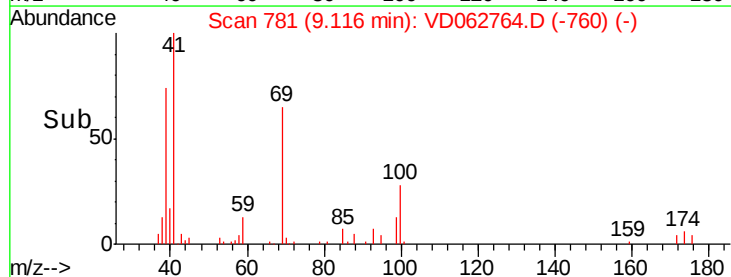
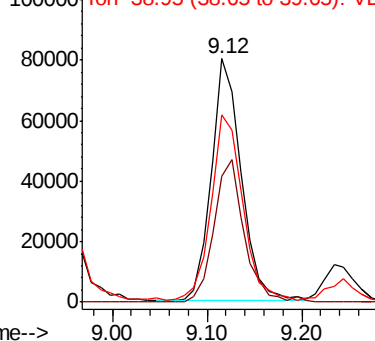
41 100

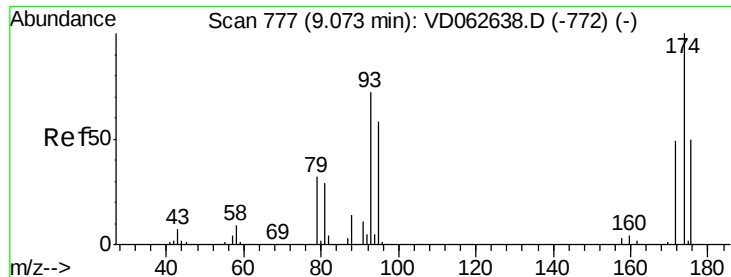
69 51.7 39.8 59.6

39 76.8 59.1 88.7



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

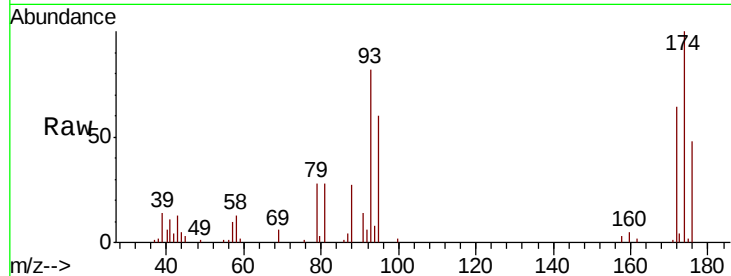




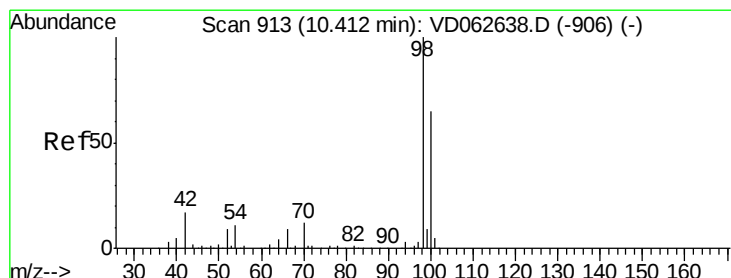
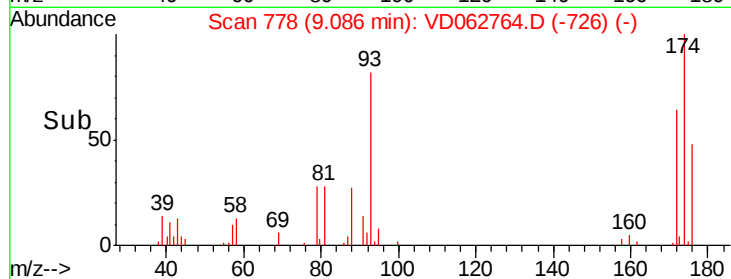
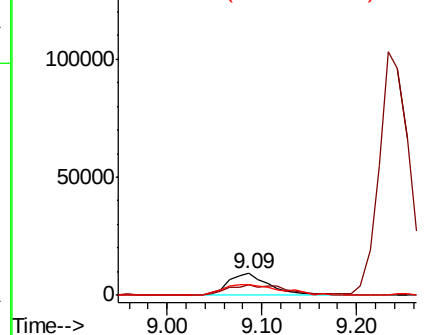
#49
 1,4-Dioxane
 Concen: 1162.403 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 88 Resp: 28274
 Ion Ratio Lower Upper
 88 100
 43 47.2 40.7 61.1
 58 48.8 54.2 81.4#

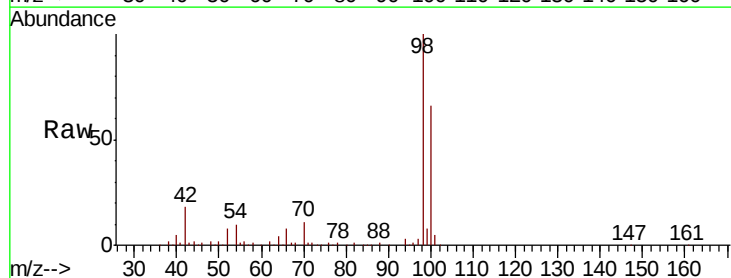


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

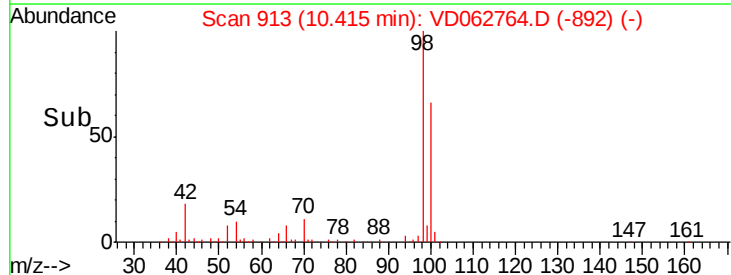
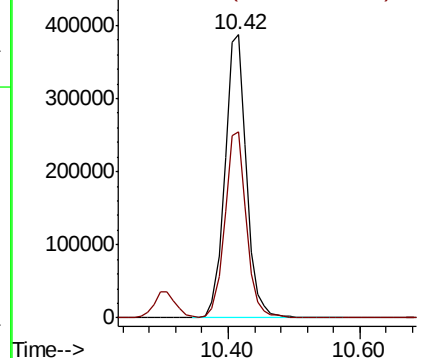


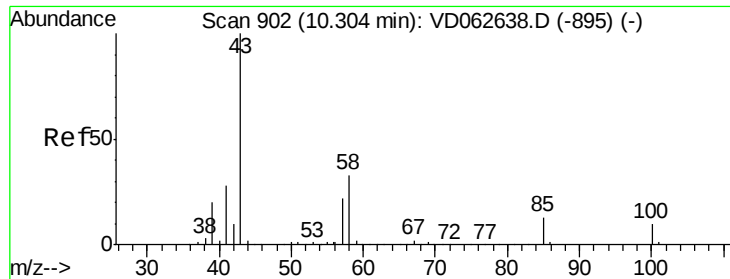
#50
 Toluene-d8
 Concen: 64.189 ug/l
 RT: 10.42 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion: 98 Resp: 881779
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.1 78.1



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: 327.064 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

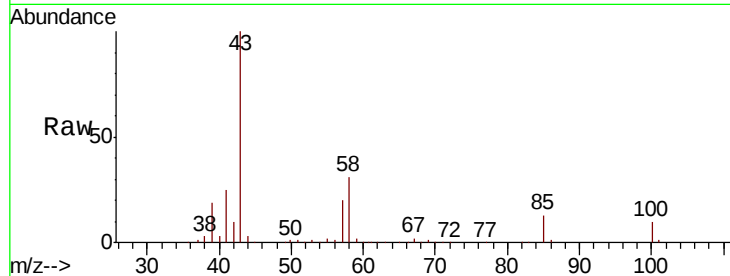
ClientSampleId :

Tot Ion: 43 Resp: 855723

Ion Ratio Lower Upper

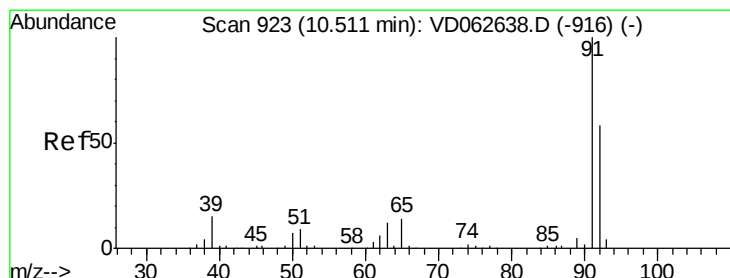
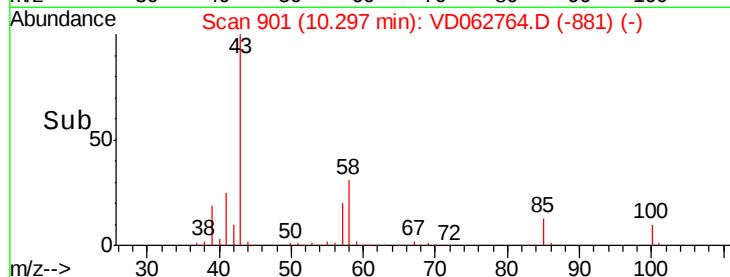
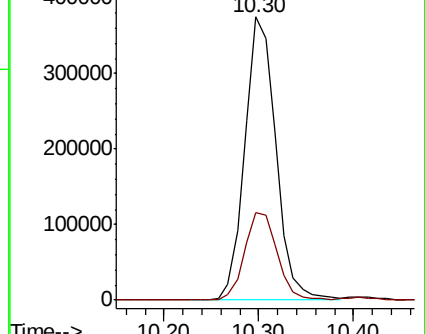
43 100

58 30.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 60.978 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD062764.D

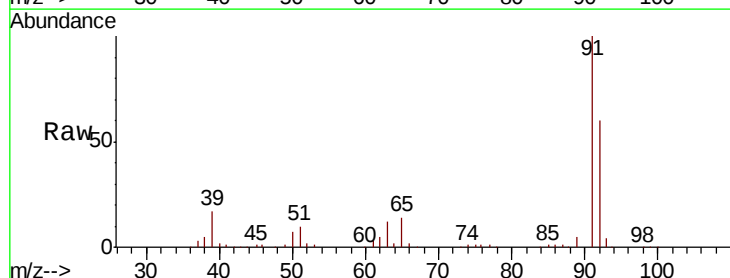
Acq: 18 Jun 2019 22:46

Tgt Ion: 92 Resp: 567260

Ion Ratio Lower Upper

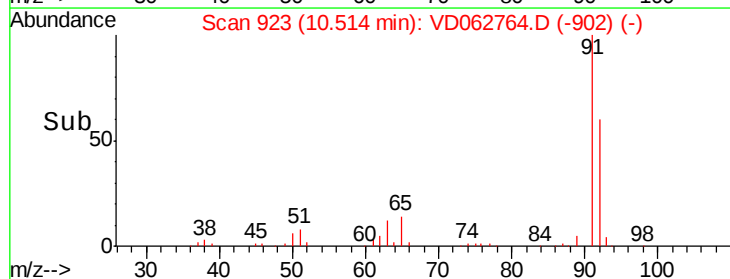
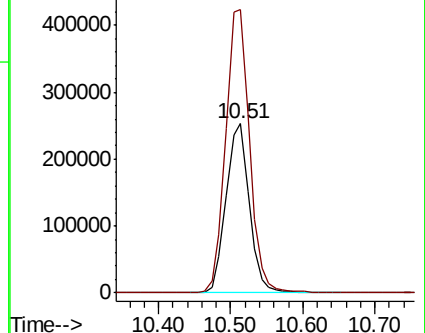
92 100

91 167.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

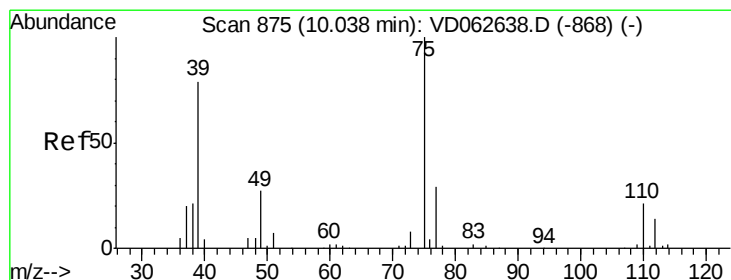
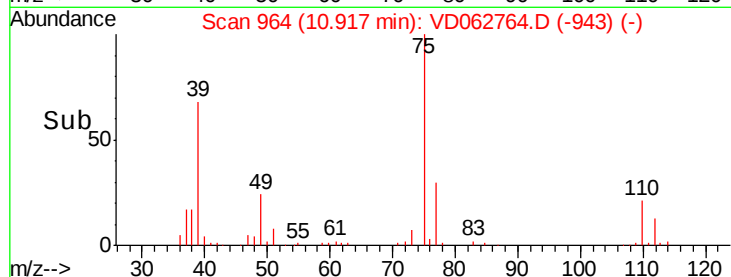
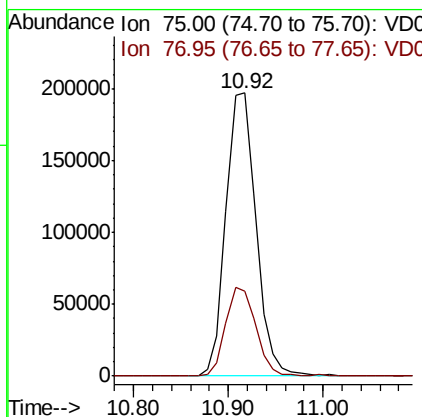
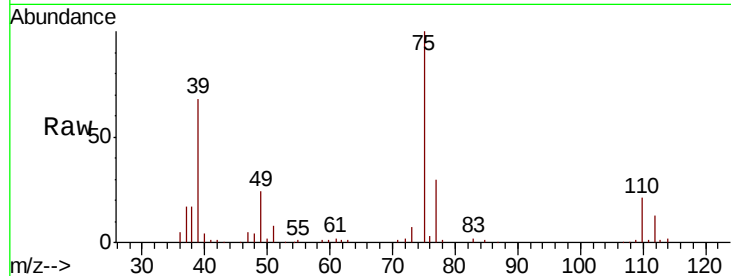




#53
 t-1,3-Dichloropropene
 Concen: 66.233 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

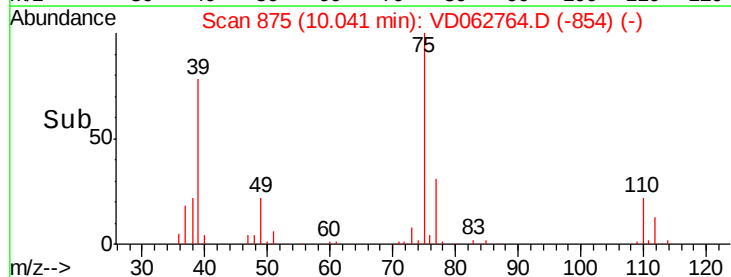
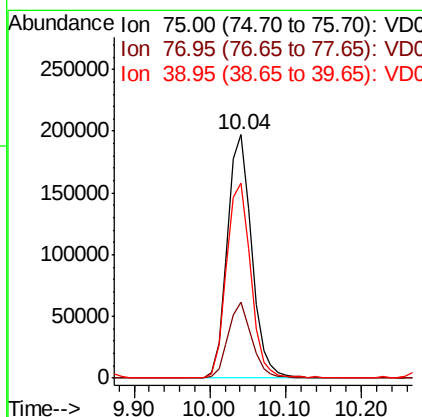
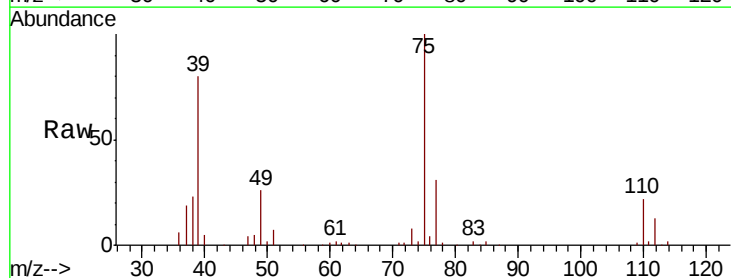
Instrument :
 MSVOA_D
 ClientSampleId :

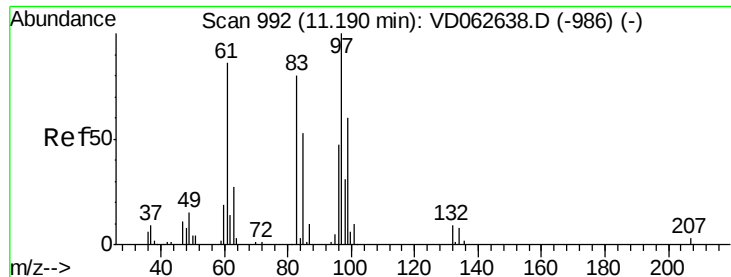
Tot Ion: 75 Resp: 435879
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 64.614 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion: 75 Resp: 439491
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.1 34.7
 39 80.1 63.4 95.2

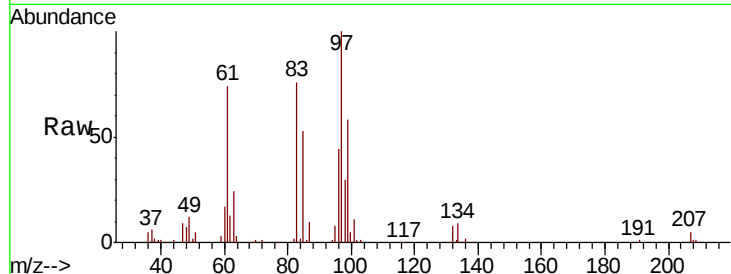




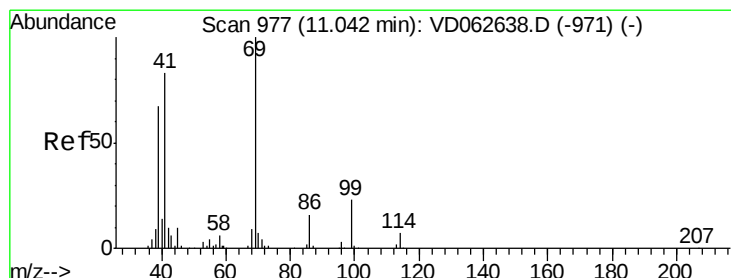
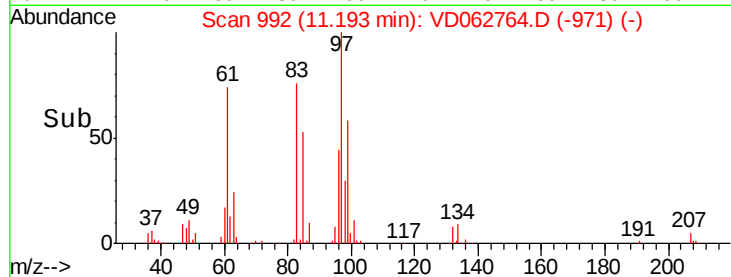
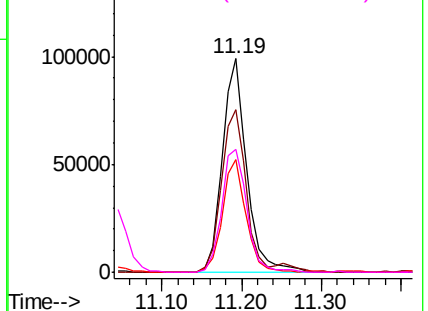
#55
 1,1,2-Trichloroethane
 Concen: 66.598 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	212465
Ion	Ratio	Lower	Upper
97	100		
83	76.1	63.8	95.8
85	52.8	42.3	63.5
99	57.8	48.0	72.0

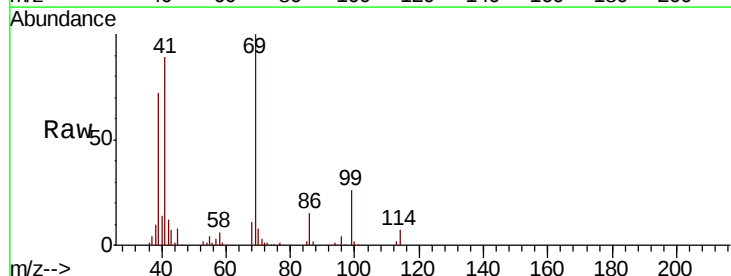


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

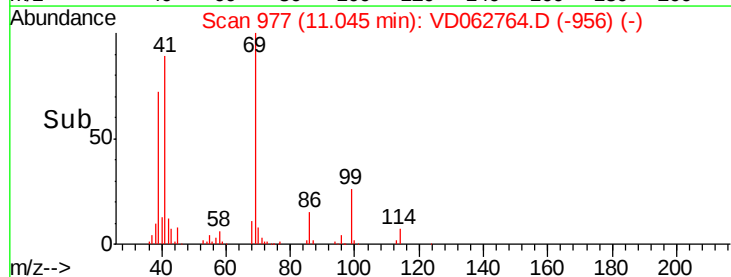
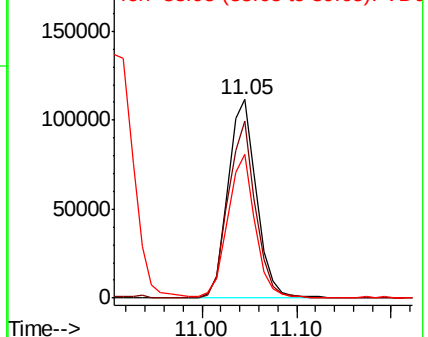


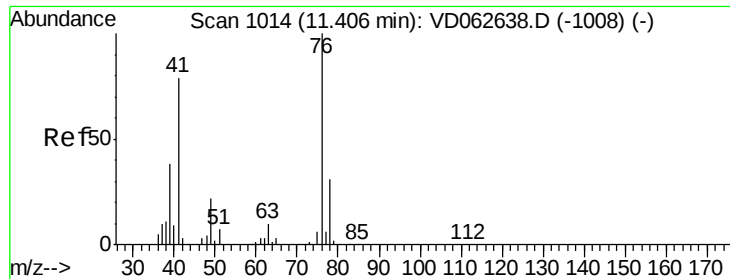
#56
 Ethyl methacrylate
 Concen: 59.681 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion:	69	Resp:	232589
Ion	Ratio	Lower	Upper
69	100		
41	88.9	66.2	99.4
39	72.3	53.8	80.8



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: 61.085 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

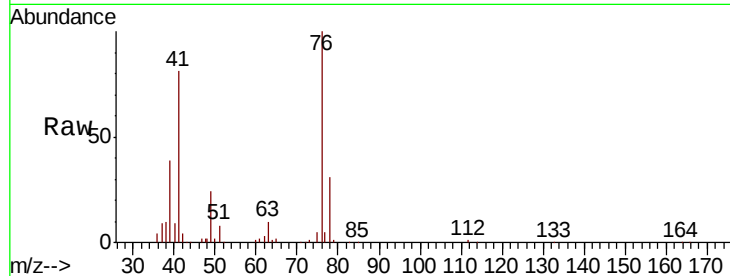
ClientSampleId :

Tot Ion: 76 Resp: 302045

Ion Ratio Lower Upper

76 100

78 30.6 24.9 37.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

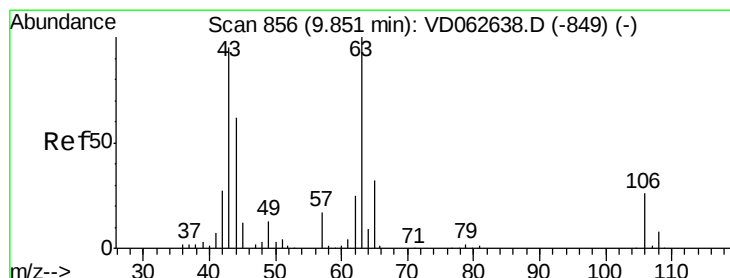
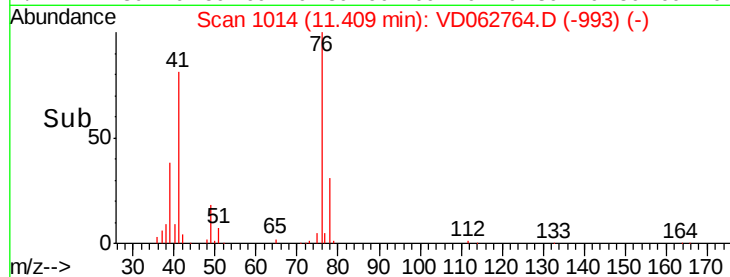
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 285.498 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD062764.D

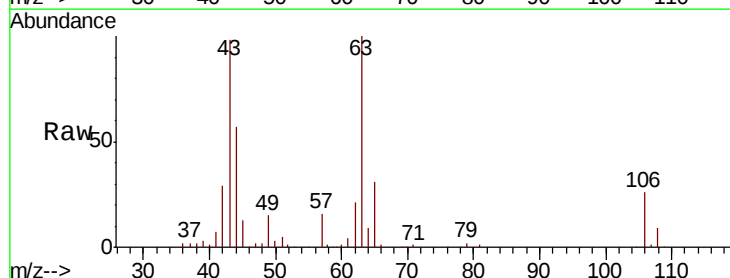
Acq: 18 Jun 2019 22:46

Tgt Ion: 63 Resp: 486805

Ion Ratio Lower Upper

63 100

106 26.1 20.5 30.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

250000

200000

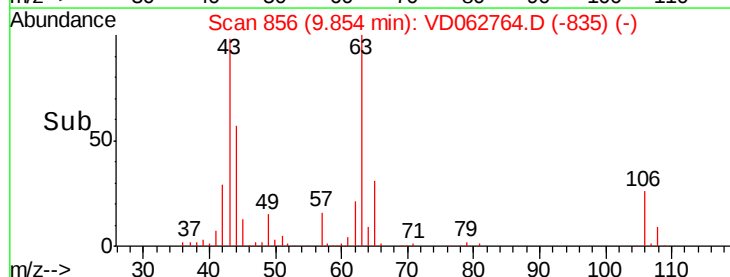
150000

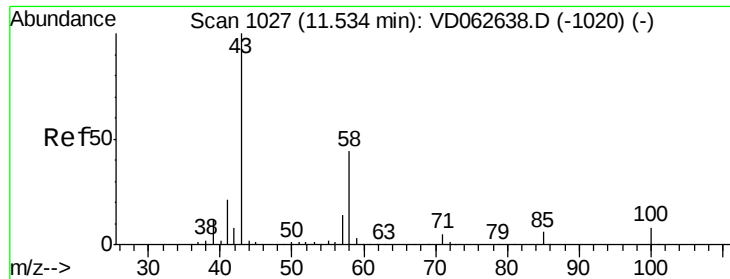
100000

50000

0

Time-->

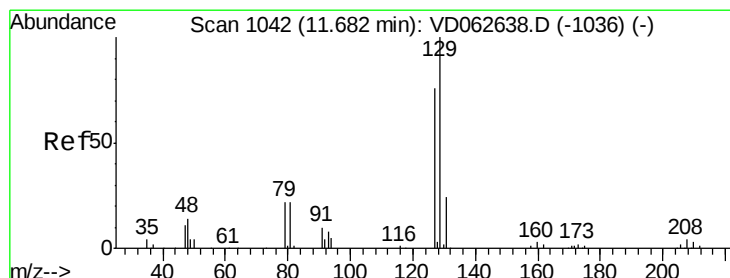
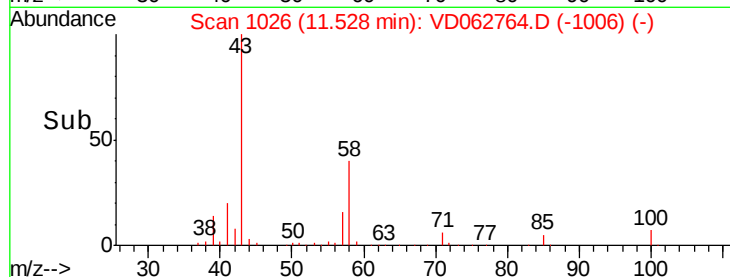
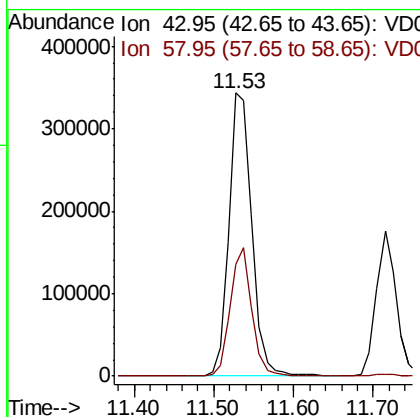
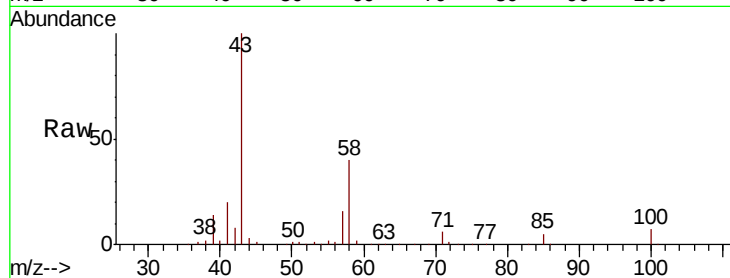




#59
2-Hexanone
Concen: 357.048 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

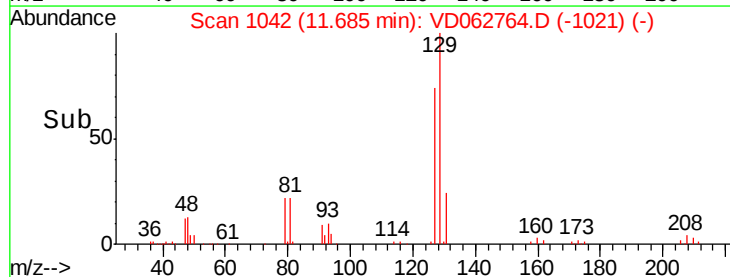
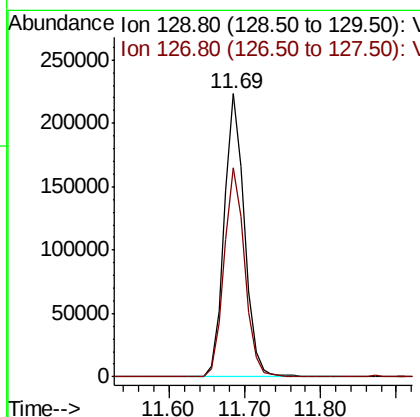
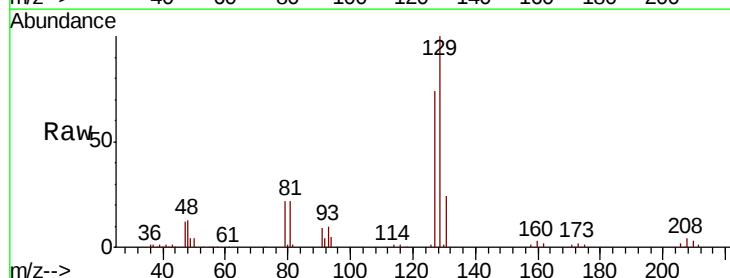
Instrument :
MSVOA_D
ClientSampleId :

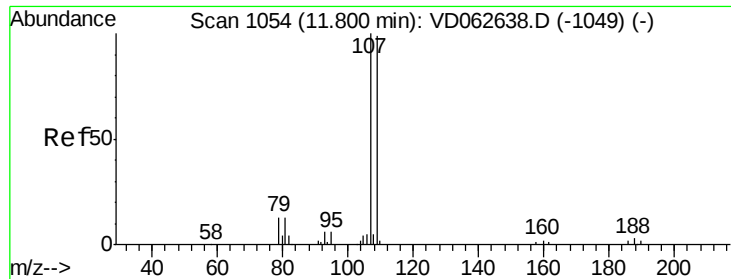
Tot Ion: 43 Resp: 694895
Ion Ratio Lower Upper
43 100
58 39.5 21.8 65.4



#60
Dibromochloromethane
Concen: 65.341 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion:129 Resp: 411490
Ion Ratio Lower Upper
129 100
127 74.0 38.0 114.1

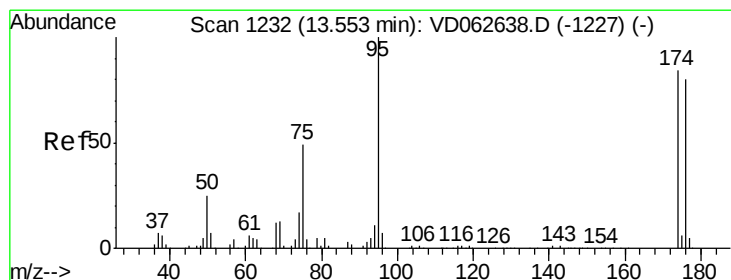
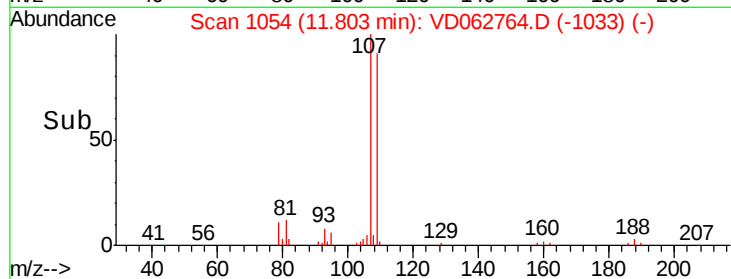
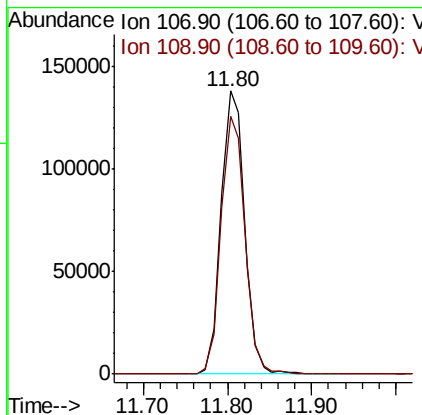
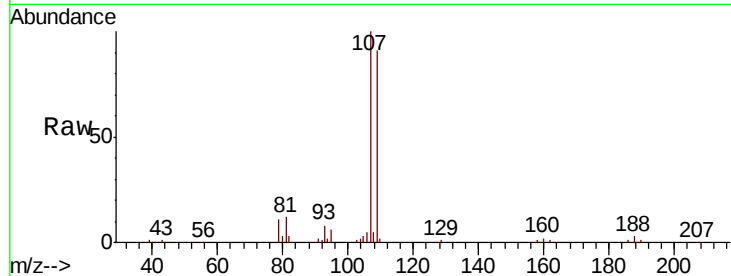




#61
 1,2-Dibromoethane
 Concen: 70.128 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

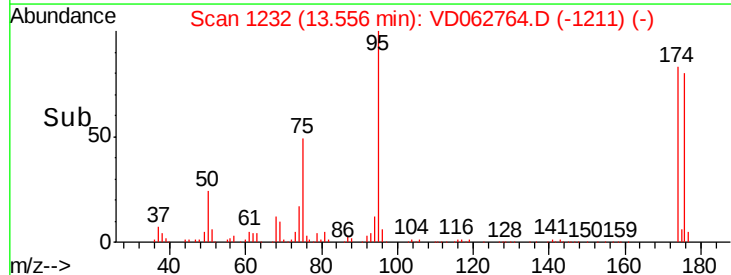
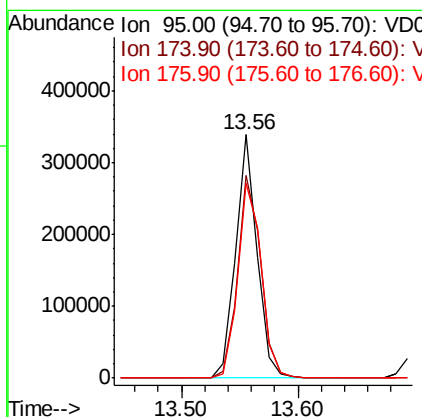
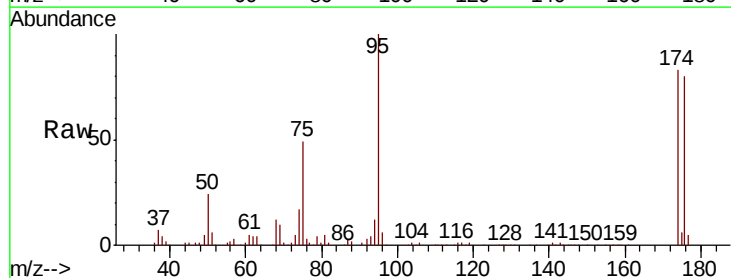
Instrument :
 MSVOA_D
 ClientSampleId :

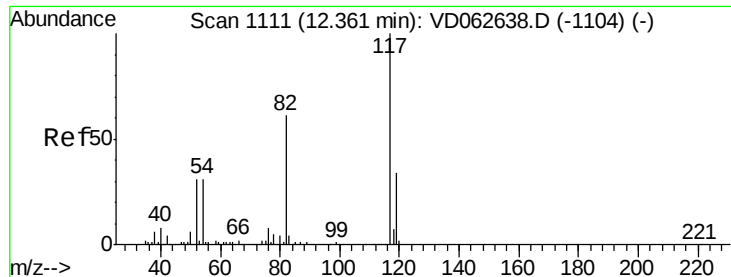
Tot Ion:107 Resp: 267765
 Ion Ratio Lower Upper
 107 100
 109 91.0 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 67.026 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion: 95 Resp: 429556
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 167.0
 176 79.9 0.0 159.2

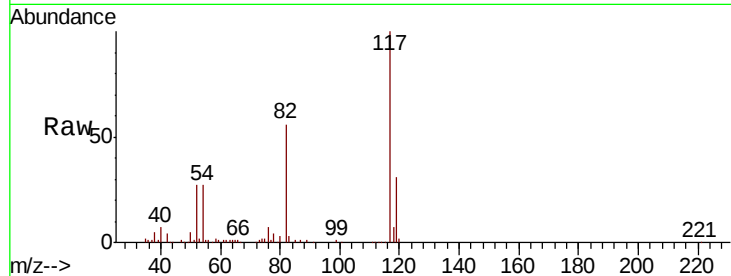




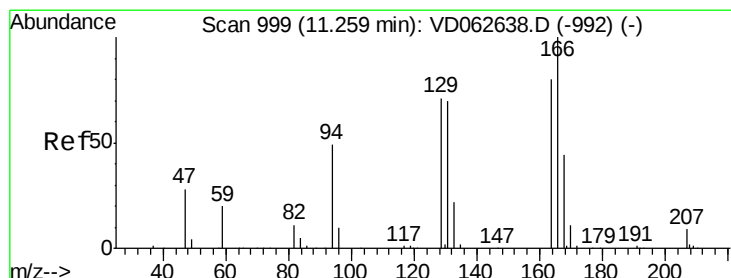
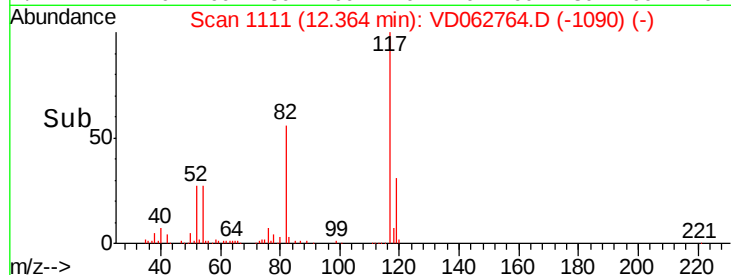
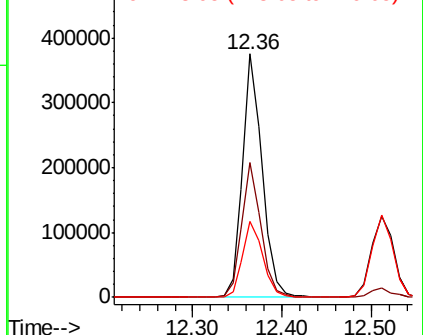
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 575844
Ion Ratio Lower Upper
117 100
82 55.5 48.7 73.1
119 31.4 27.0 40.6

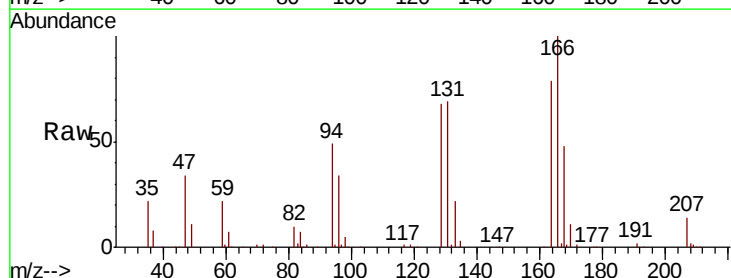


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

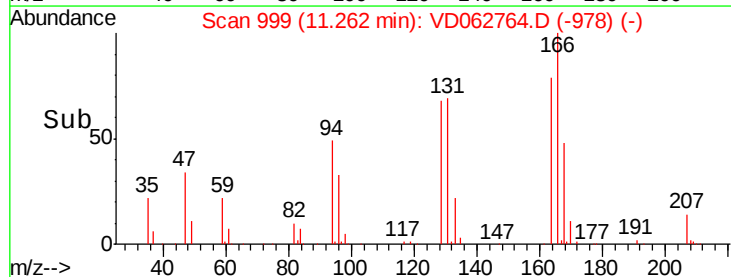
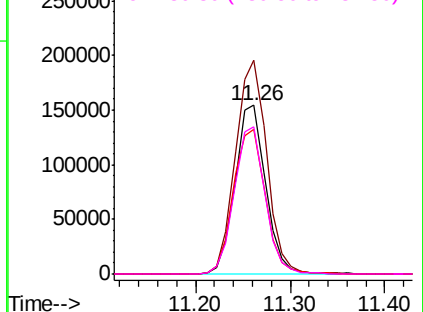


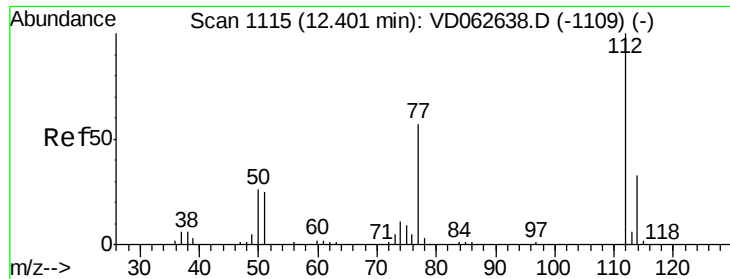
#64
Tetrachloroethene
Concen: 64.025 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion:164 Resp: 345132
Ion Ratio Lower Upper
164 100
166 126.6 99.4 149.2
129 86.0 70.2 105.4
131 87.1 69.3 103.9



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

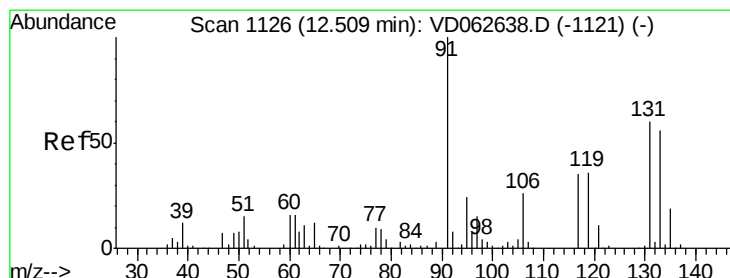
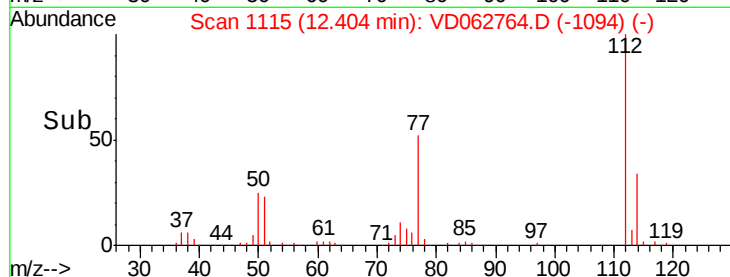
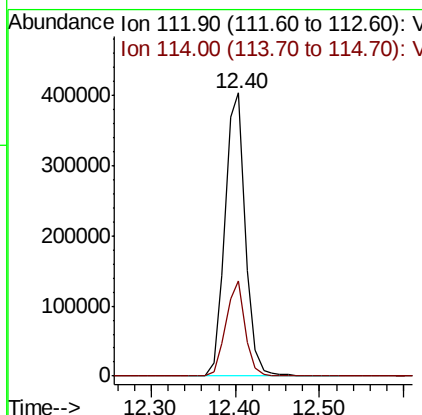
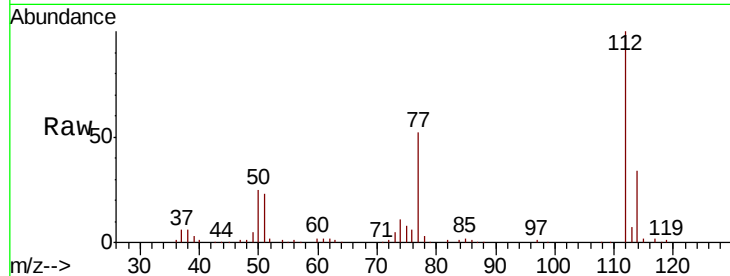




#65
Chlorobenzene
Concen: 53.009 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

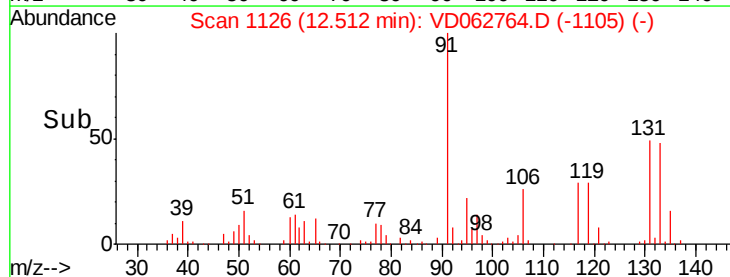
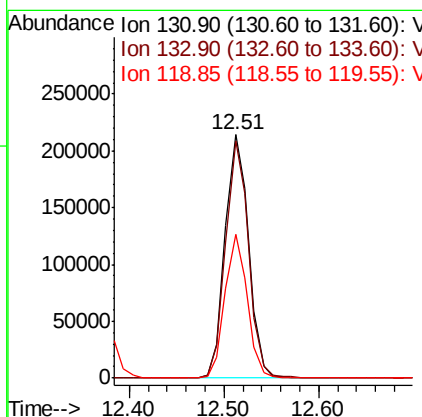
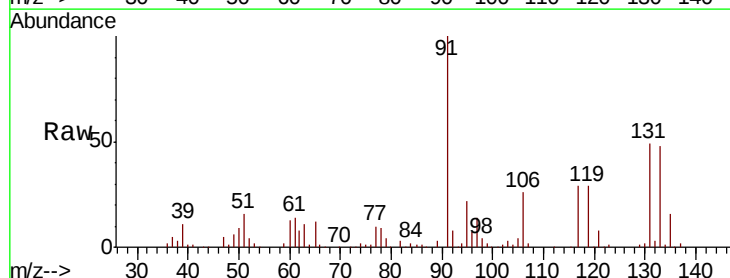
Instrument :
MSVOA_D
ClientSampled :

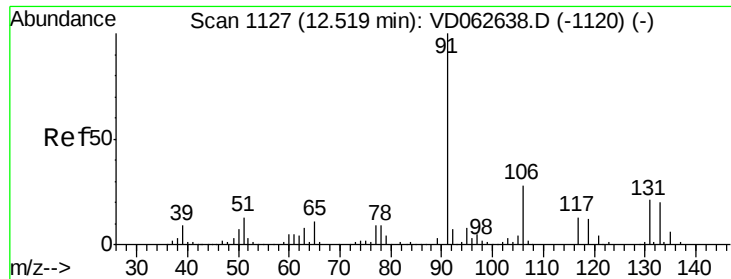
Tot Ion:112 Resp: 675199
Ion Ratio Lower Upper
112 100
114 33.7 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 60.538 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion:131 Resp: 367760
Ion Ratio Lower Upper
131 100
133 97.2 46.8 140.3
119 59.1 29.9 89.8

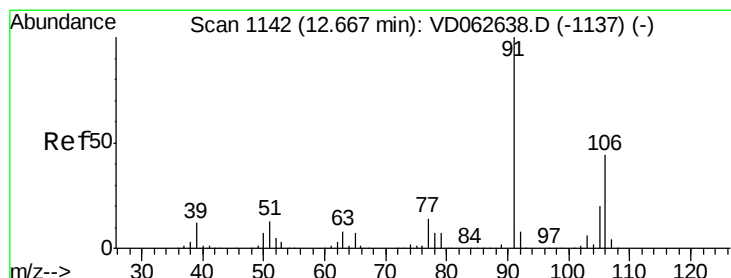
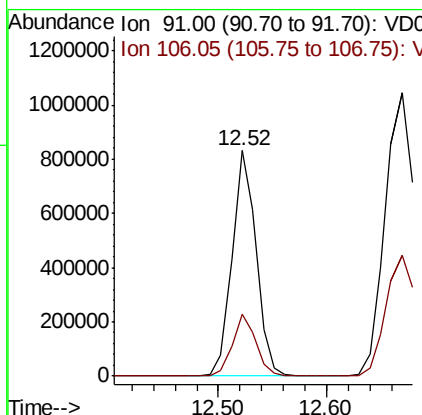
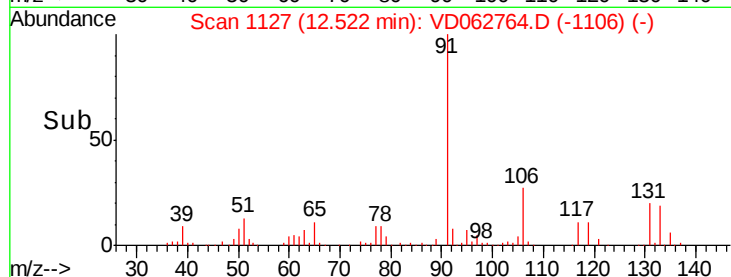
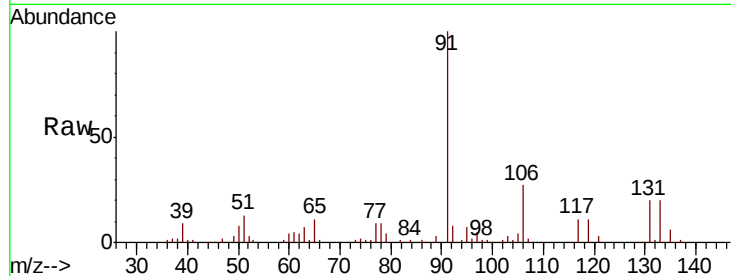




#67
Ethyl Benzene
Concen: 57.043 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

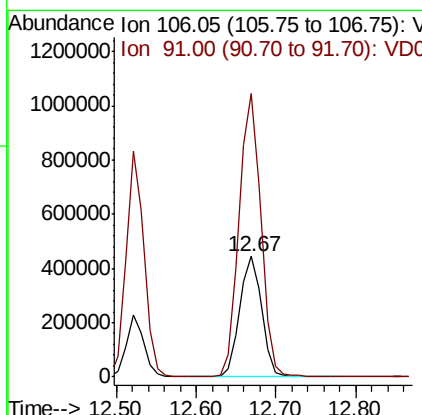
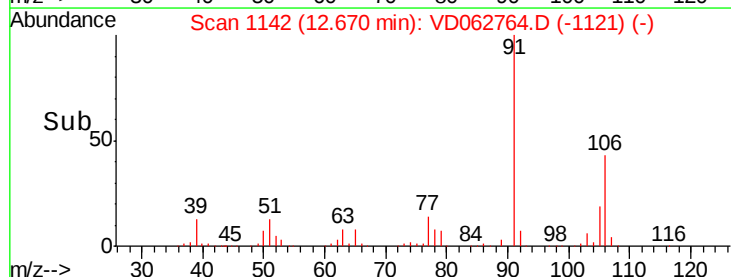
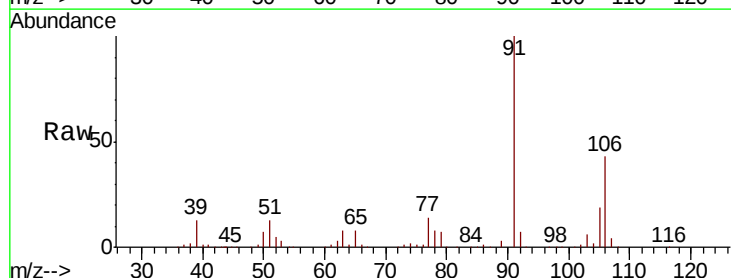
Instrument :
MSVOA_D
ClientSampled :

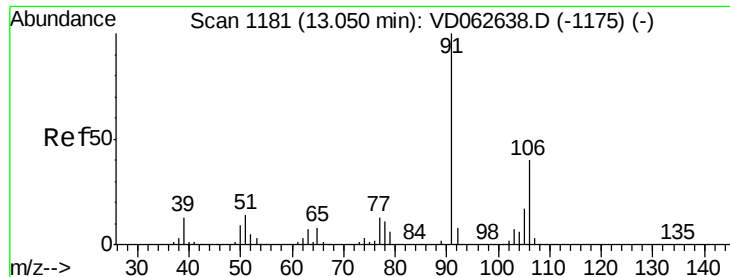
Tot Ion: 91 Resp: 1288232
Ion Ratio Lower Upper
91 100
106 27.3 22.1 33.1



#68
m/p-Xylenes
Concen: 107.359 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion: 106 Resp: 852370
Ion Ratio Lower Upper
106 100
91 235.1 180.2 270.4

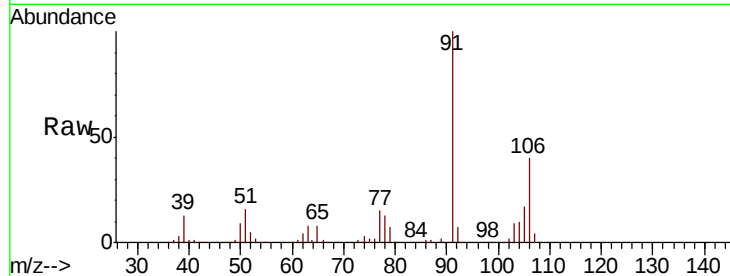




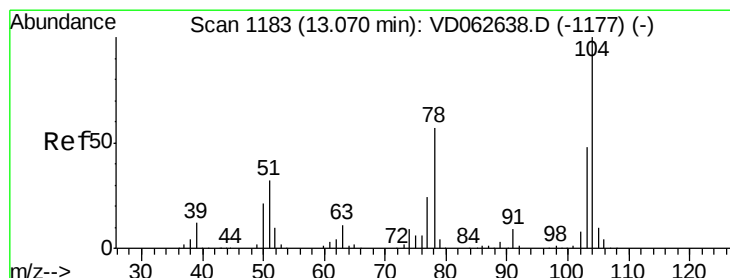
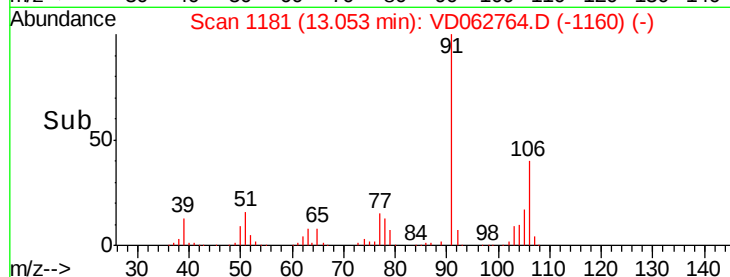
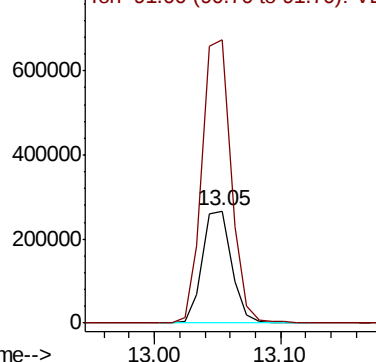
#69
o-Xylene
Concen: 58.919 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 429612
Ion Ratio Lower Upper
106 100
91 253.1 124.1 372.1

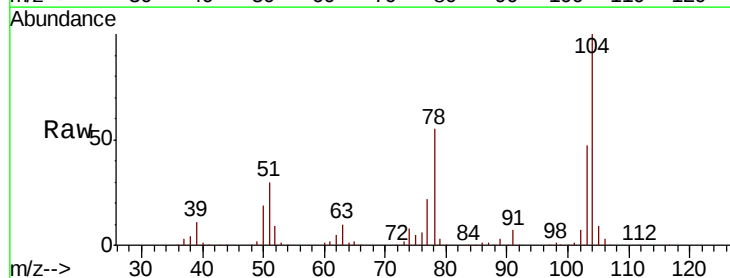


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

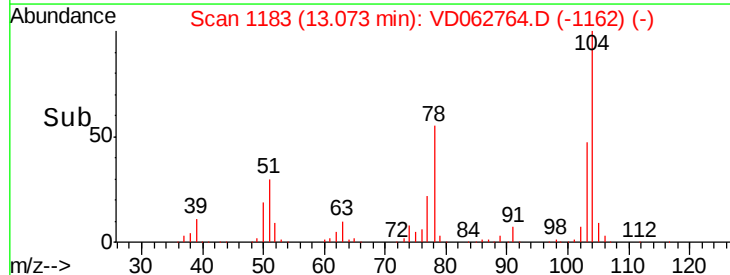
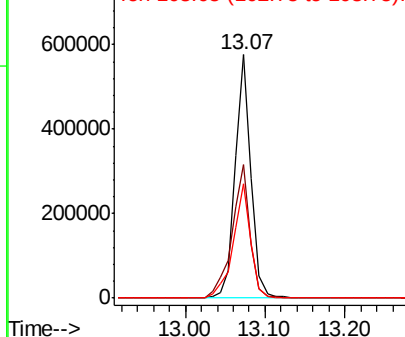


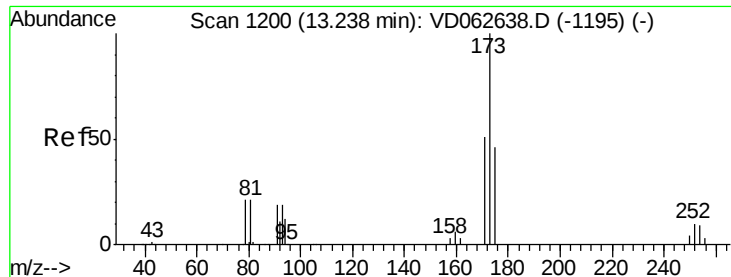
#70
Styrene
Concen: 61.447 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion:104 Resp: 799439
Ion Ratio Lower Upper
104 100
78 54.9 45.9 68.9
103 46.9 38.4 57.6



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





#71

Bromoform

Concen: 58.343 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampled :

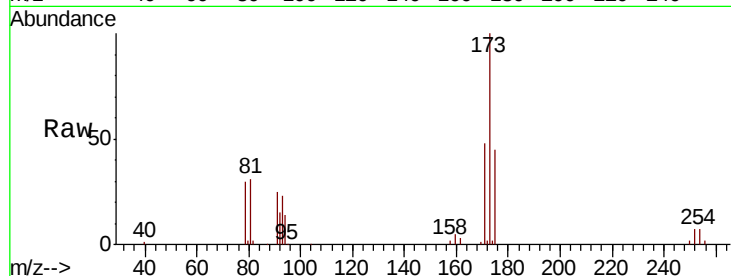
Tot Ion:173 Resp: 274231

Ion Ratio Lower Upper

173 100

175 44.8 22.9 68.7

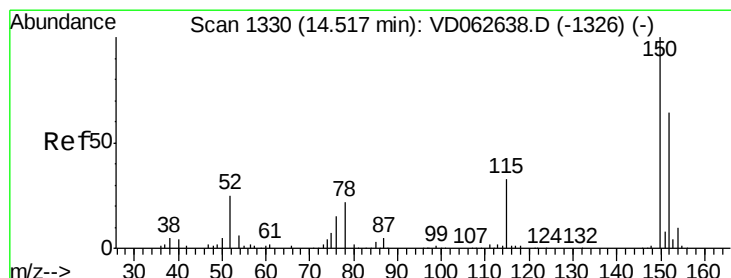
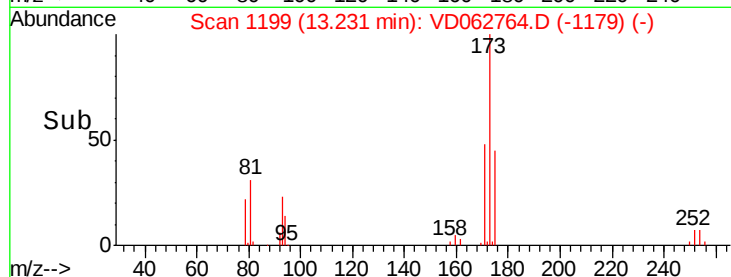
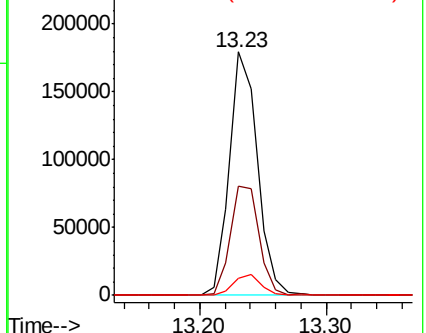
254 6.8 7.0 10.4#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

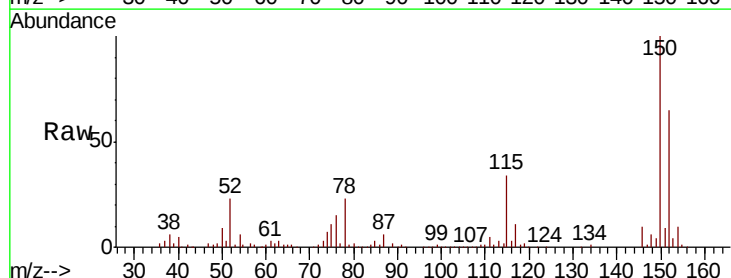
Tgt Ion:152 Resp: 354441

Ion Ratio Lower Upper

152 100

115 52.9 30.1 90.5

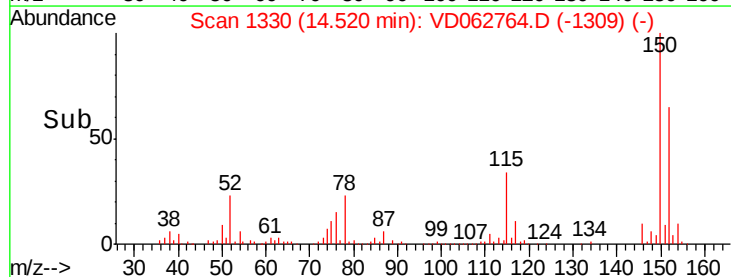
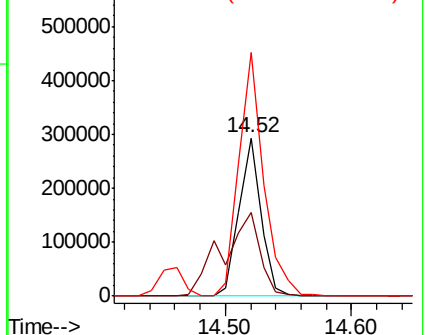
150 154.1 0.0 314.0

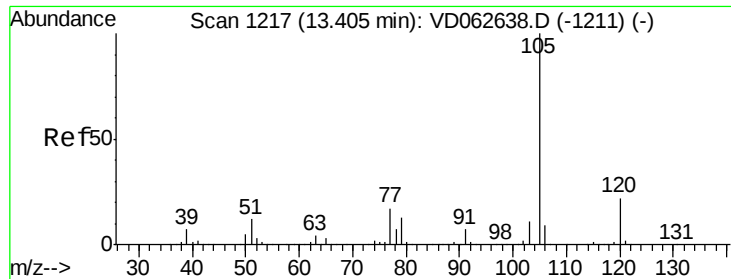


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.619 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

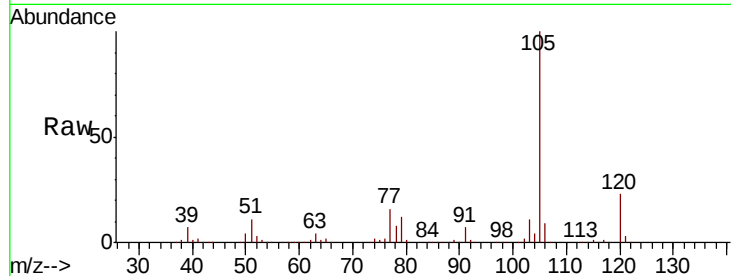
ClientSampleId :

Tot Ion:105 Resp: 1314562

Ion Ratio Lower Upper

105 100

120 22.8 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

800000

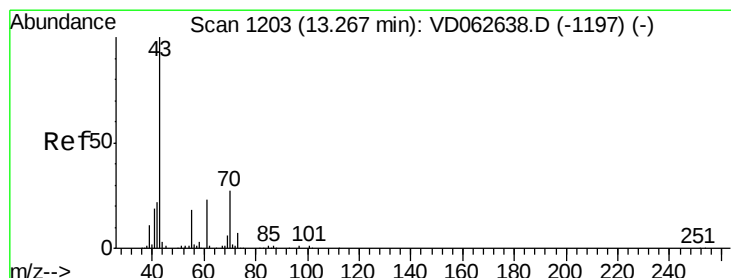
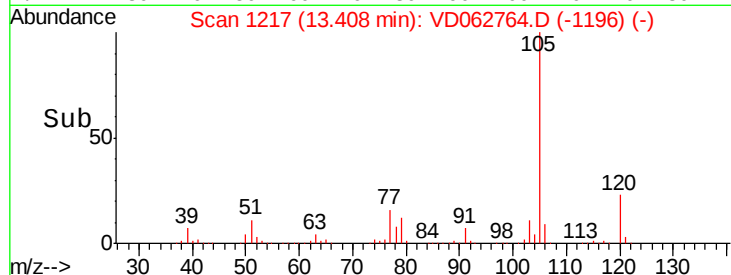
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 53.675 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Tgt Ion: 43 Resp: 362401

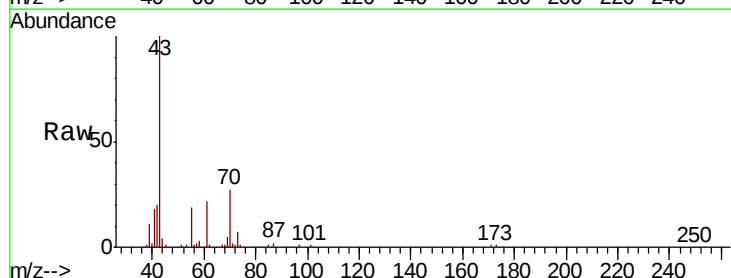
Ion Ratio Lower Upper

43 100

70 27.4 21.8 32.8

55 19.4 14.6 21.8

61 21.8 18.4 27.6



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

13.27

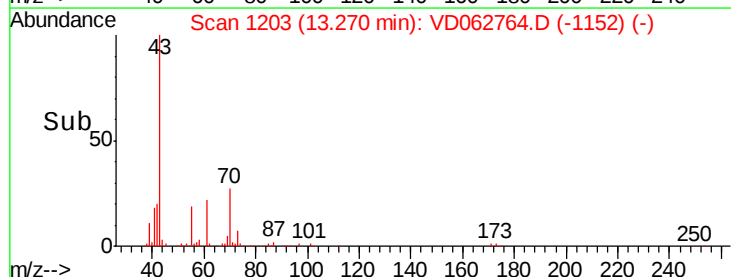
300000

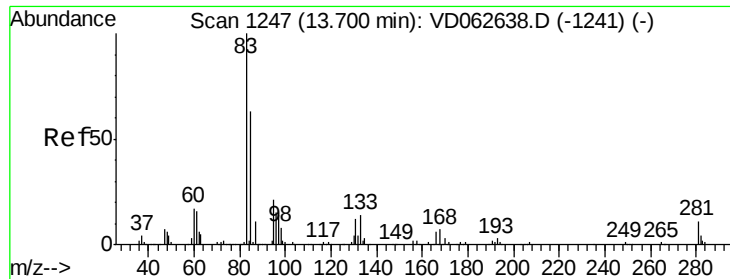
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 59.143 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

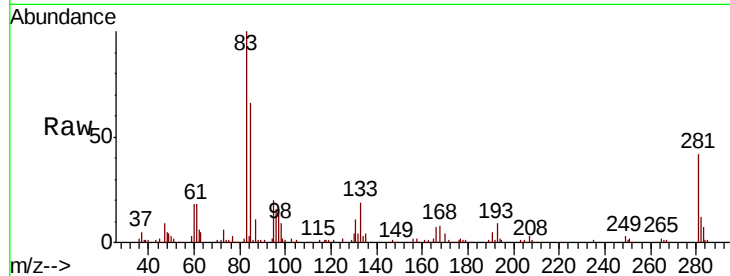
Tot Ion: 83 Resp: 252821

Ion Ratio Lower Upper

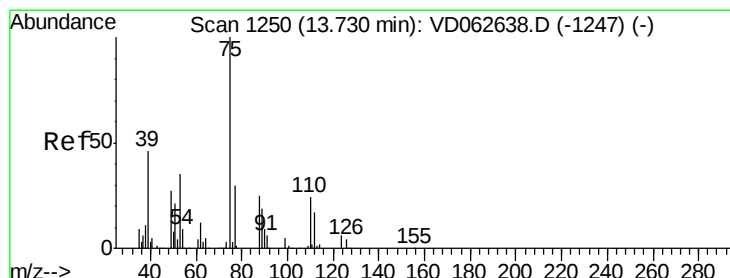
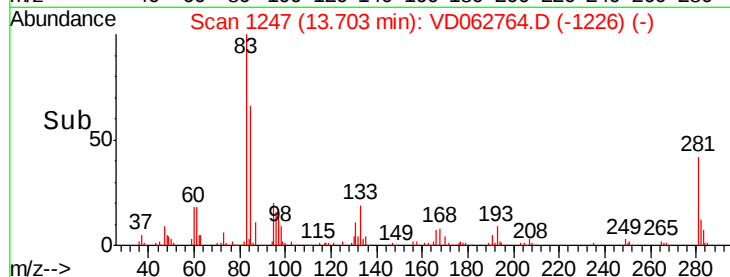
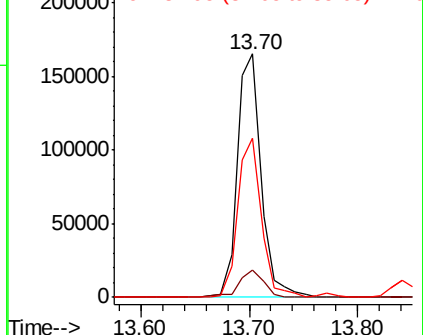
83 100

131 11.3 5.9 17.7

85 65.6 31.3 93.9



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: 55.914 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062764.D

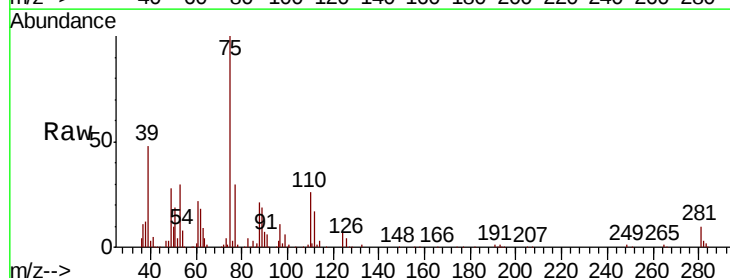
Acq: 18 Jun 2019 22:46

Tgt Ion: 75 Resp: 268715

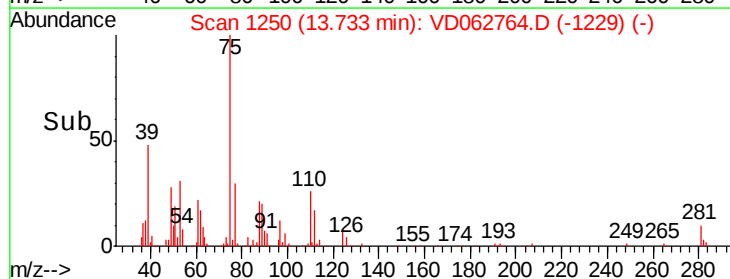
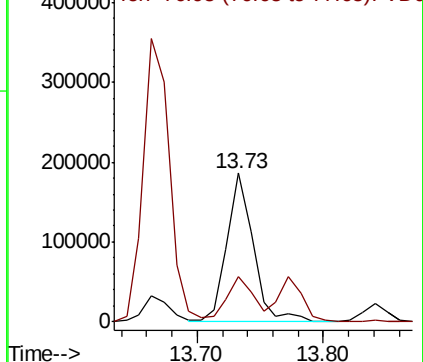
Ion Ratio Lower Upper

75 100

77 30.1 16.2 48.6



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





#77

Bromobenzene

Concen: 54.278 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

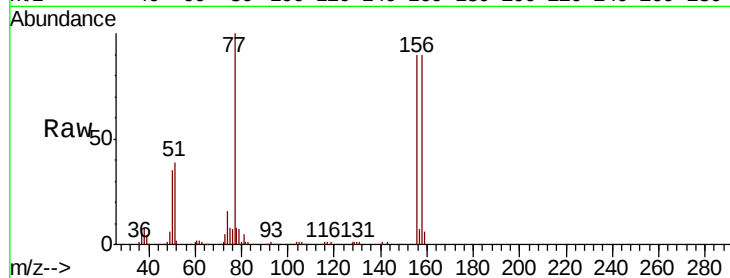
Tot Ion:156 Resp: 387575

Ion Ratio Lower Upper

156 100

77 110.7 56.3 168.8

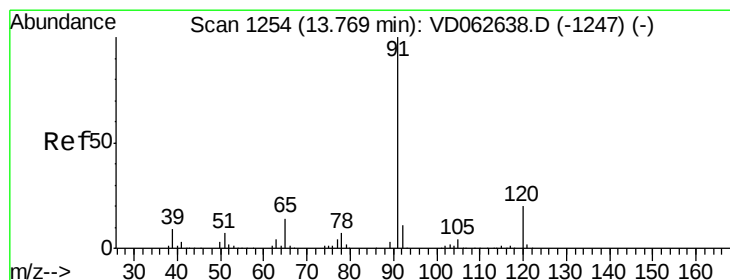
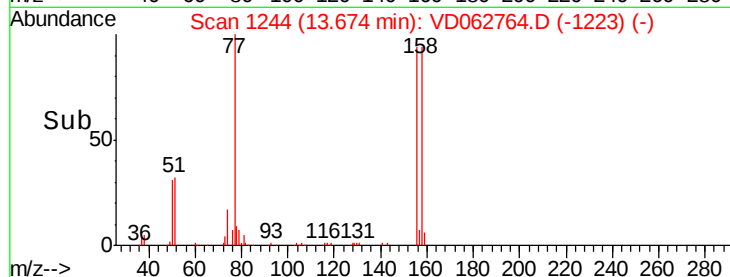
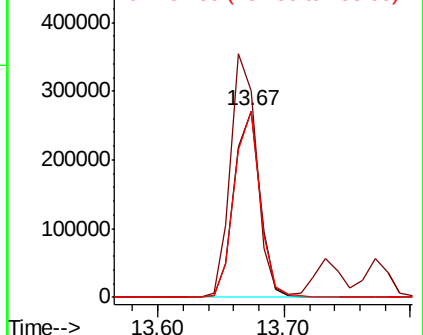
158 99.7 49.6 148.8



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: 53.996 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062764.D

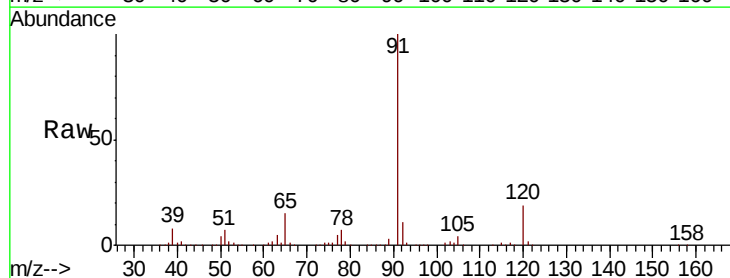
Acq: 18 Jun 2019 22:46

Tgt Ion: 91 Resp: 1651212

Ion Ratio Lower Upper

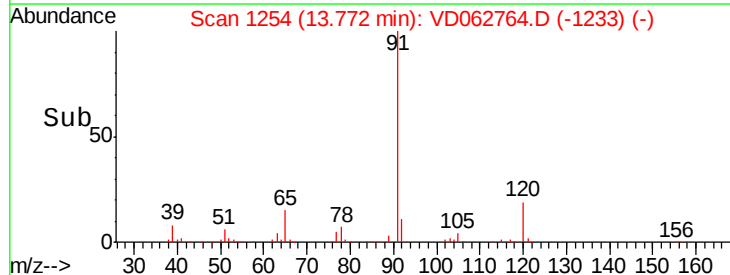
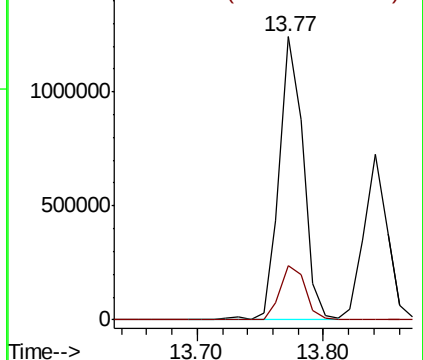
91 100

120 19.3 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.754 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

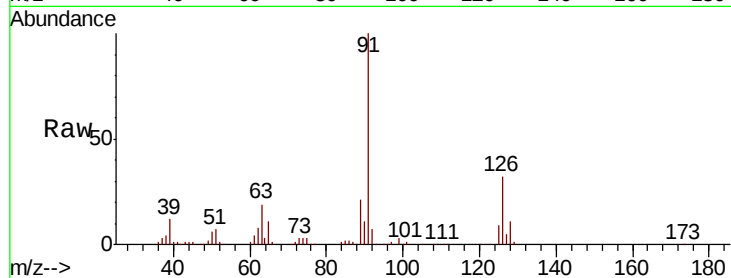
ClientSampleId :

Tot Ion: 91 Resp: 926676

Ion Ratio Lower Upper

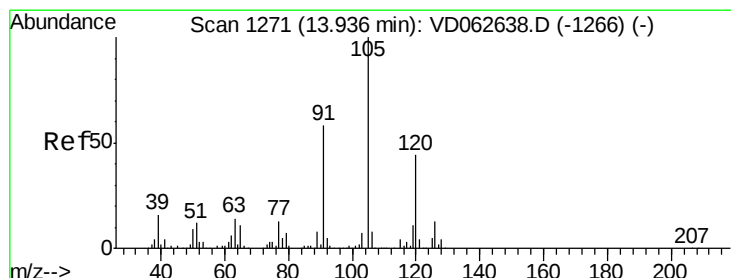
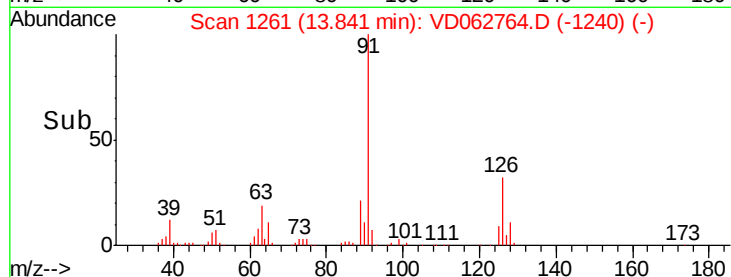
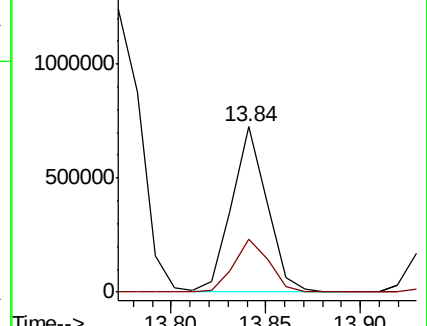
91 100

126 32.2 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VD062764.D (-1240) (-)

Ion 125.95 (125.65 to 126.65): VD062764.D (-1240) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.098 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062764.D

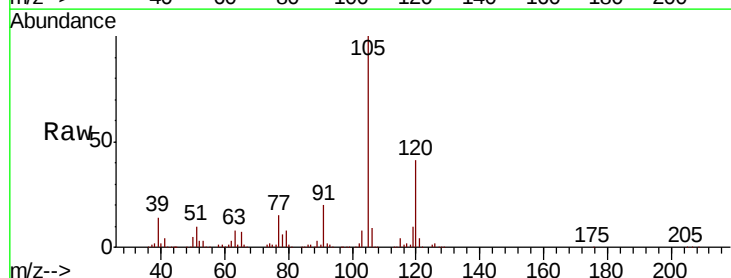
Acq: 18 Jun 2019 22:46

Tgt Ion:105 Resp: 1216538

Ion Ratio Lower Upper

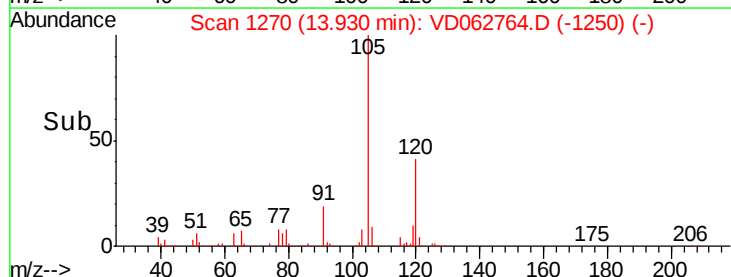
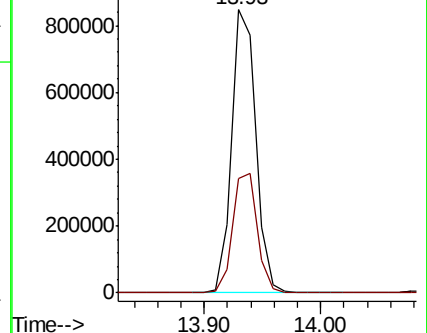
105 100

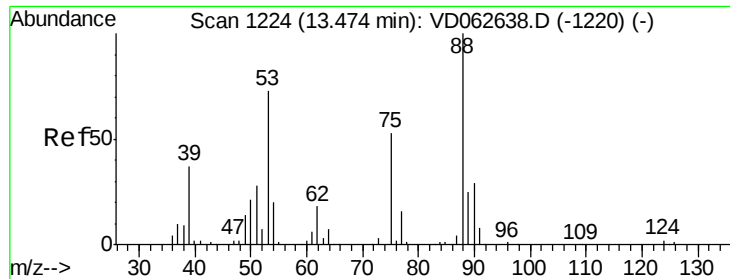
120 40.6 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062764.D (-1250) (-)

Ion 120.05 (119.75 to 120.75): VD062764.D (-1250) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.270 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampled :

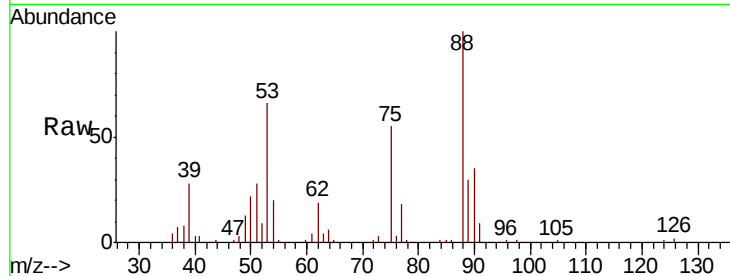
Tot Ion: 75 Resp: 67042

Ion Ratio Lower Upper

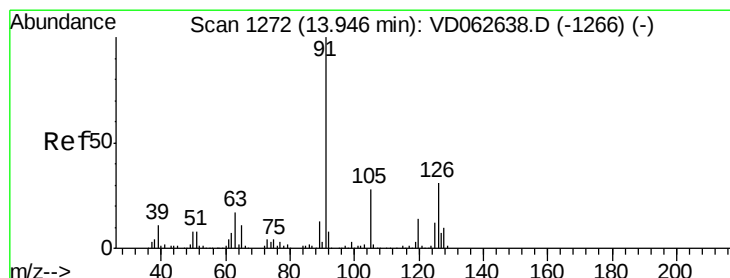
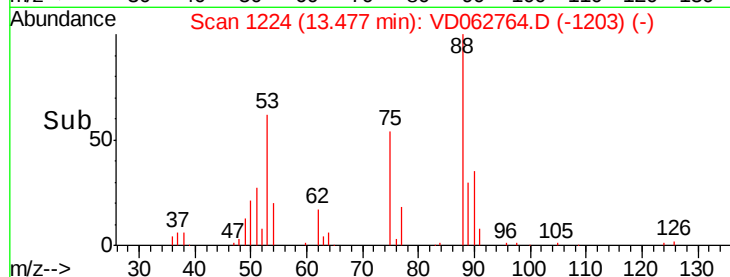
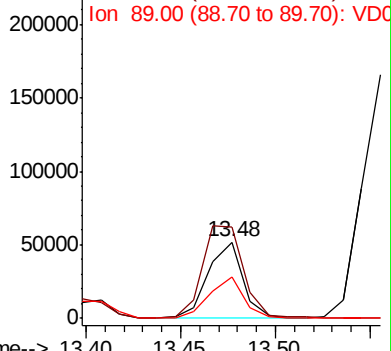
75 100

53 119.3 109.4 164.2

89 54.0 37.0 55.6



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: 57.053 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062764.D

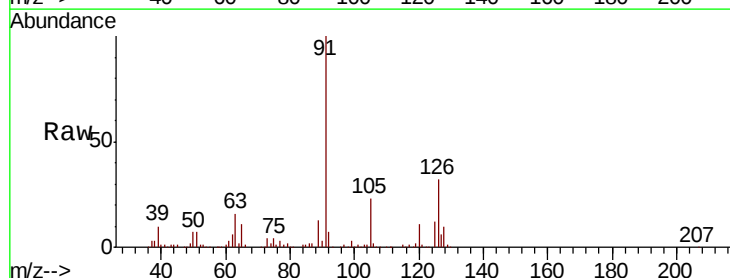
Acq: 18 Jun 2019 22:46

Tgt Ion: 91 Resp: 1221660

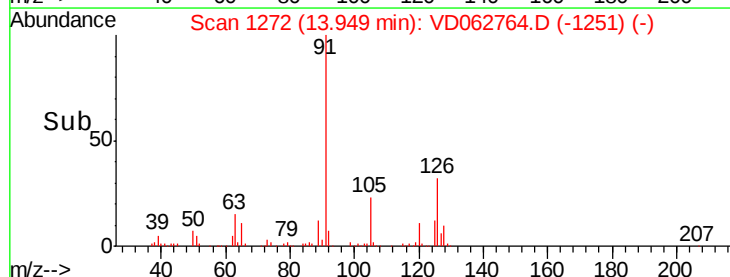
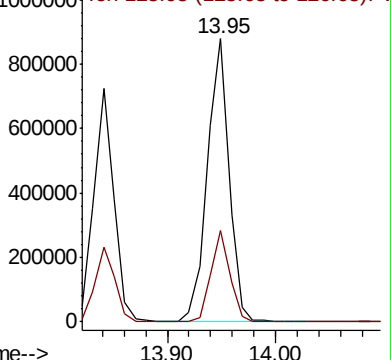
Ion Ratio Lower Upper

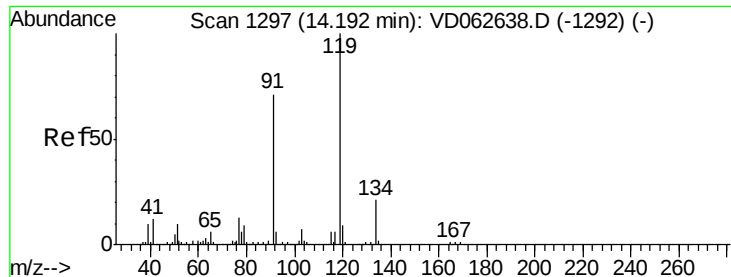
91 100

126 32.4 15.6 46.8



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





#83

tert-Butylbenzene

Concen: 52.516 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

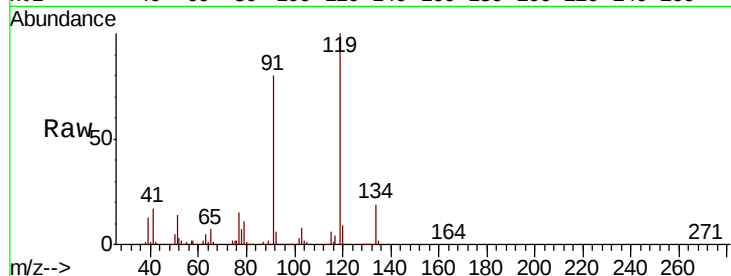
Tot Ion:119 Resp: 1278894

Ion Ratio Lower Upper

119 100

91 80.1 35.4 106.1

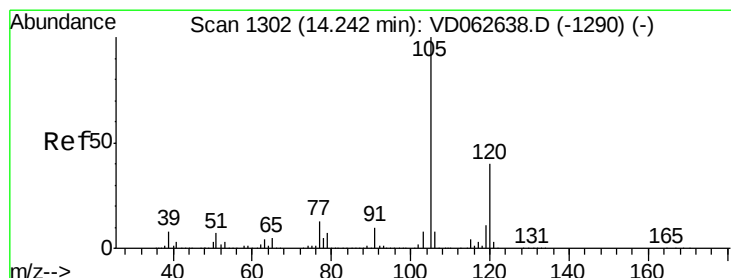
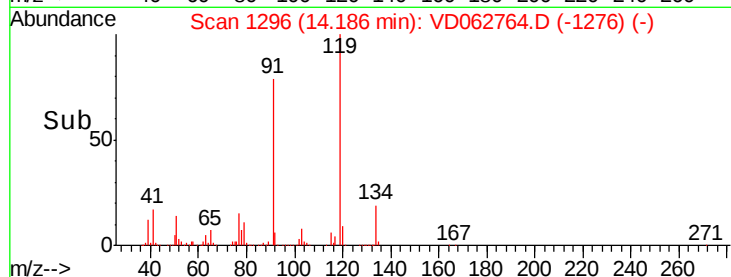
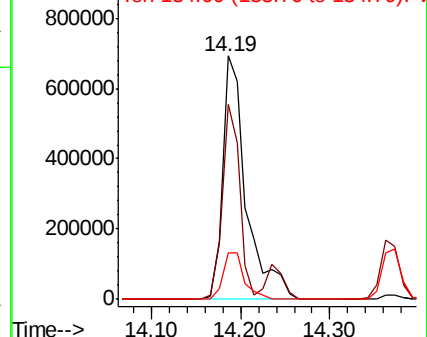
134 19.1 10.8 32.3



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: 49.201 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD062764.D

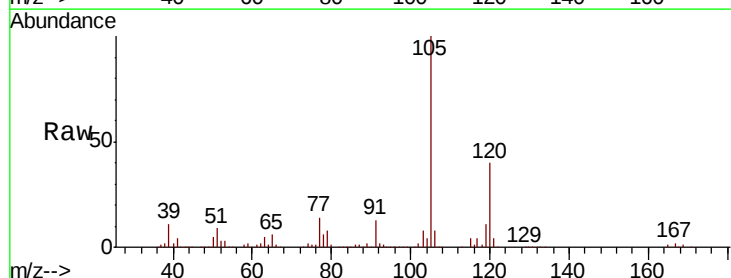
Acq: 18 Jun 2019 22:46

Tgt Ion:105 Resp: 1075599

Ion Ratio Lower Upper

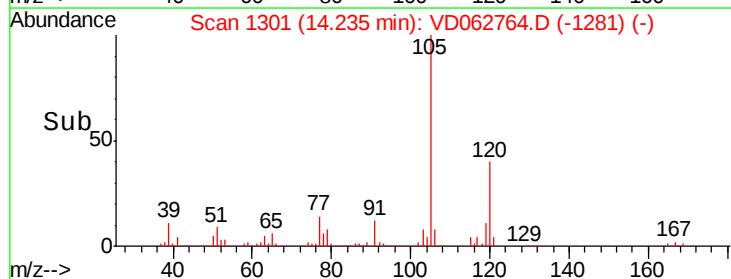
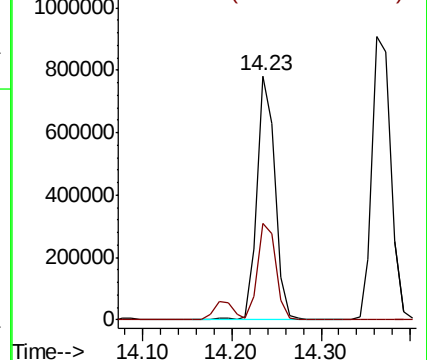
105 100

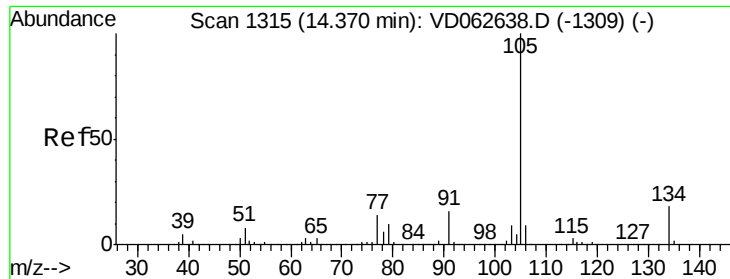
120 39.5 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 52.073 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

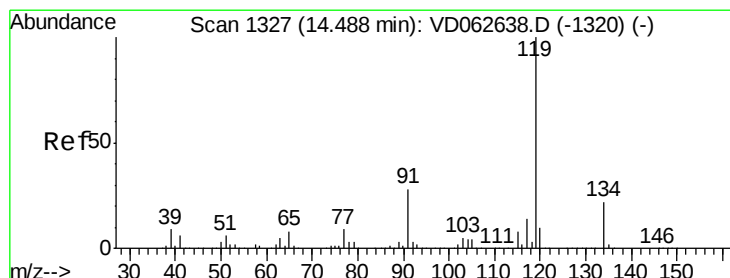
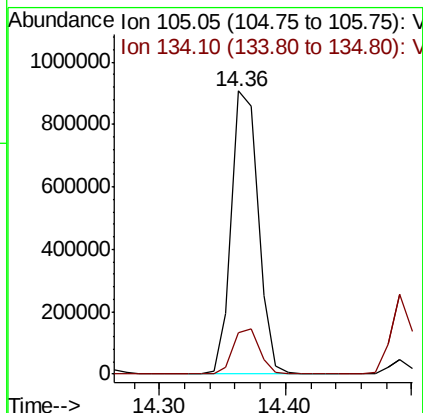
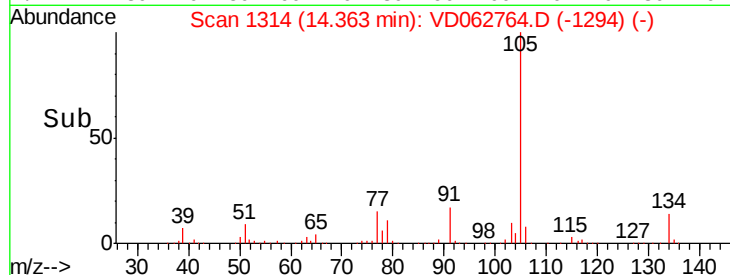
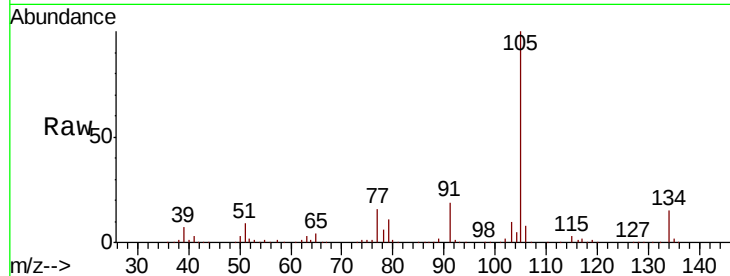
ClientSampleId :

Tot Ion:105 Resp: 1329748

Ion Ratio Lower Upper

105 100

134 14.5 8.8 26.2



#86

p-Isopropyltoluene

Concen: 55.618 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

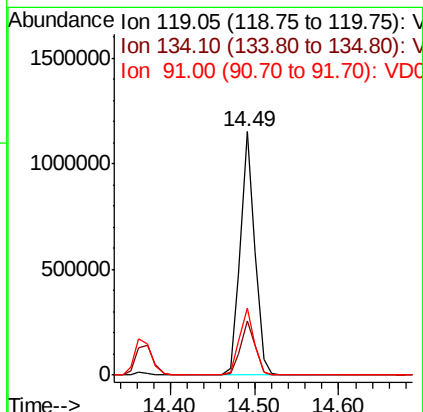
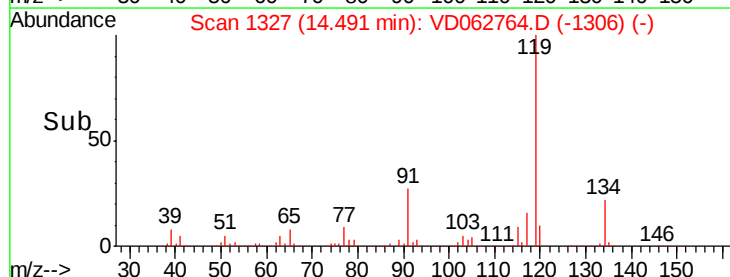
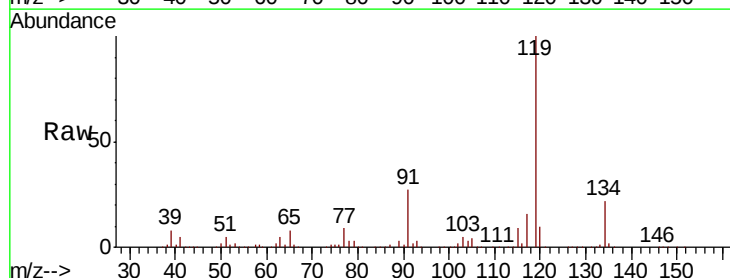
Tgt Ion:119 Resp: 1382826

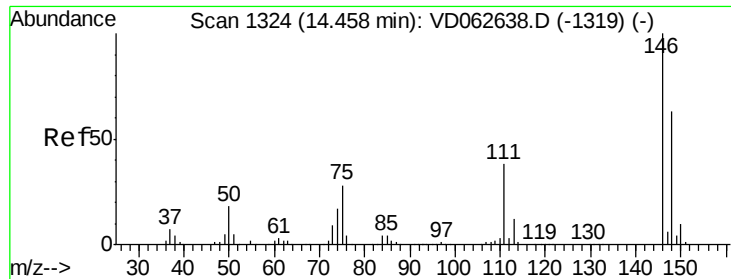
Ion Ratio Lower Upper

119 100

134 22.3 10.9 32.6

91 27.4 13.9 41.6

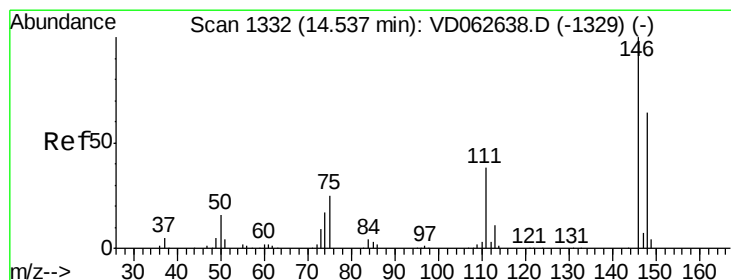
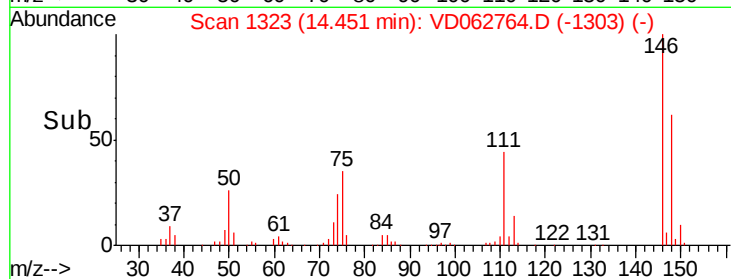
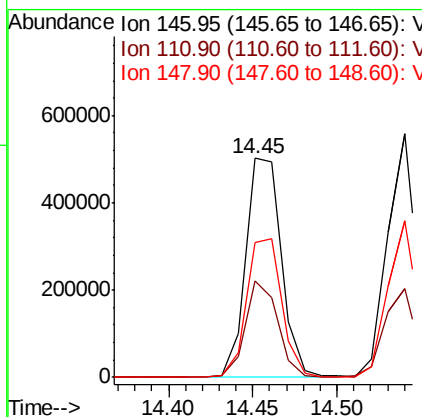
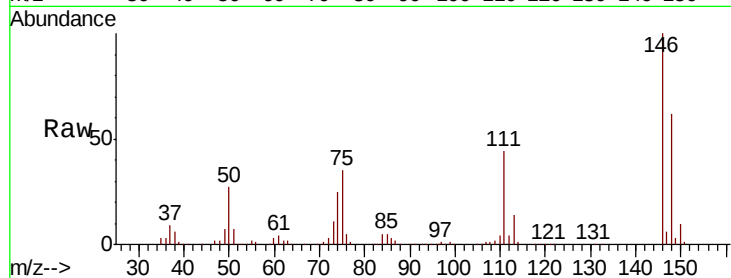




#87
 1,3-Dichlorobenzene
 Concen: 57.058 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

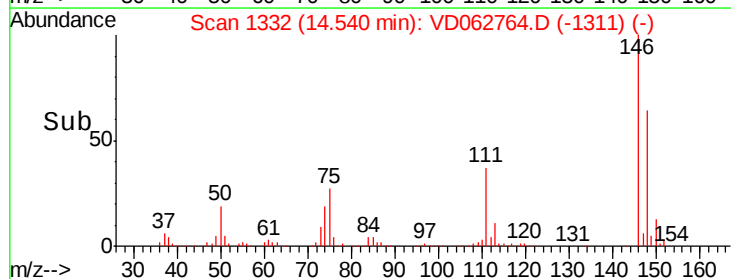
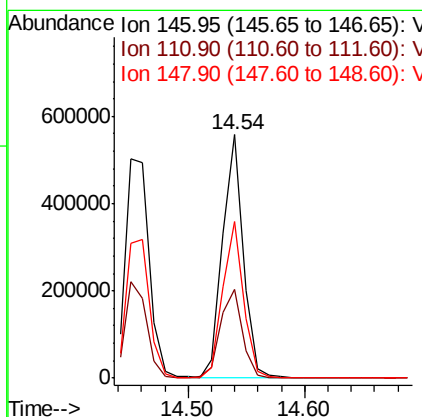
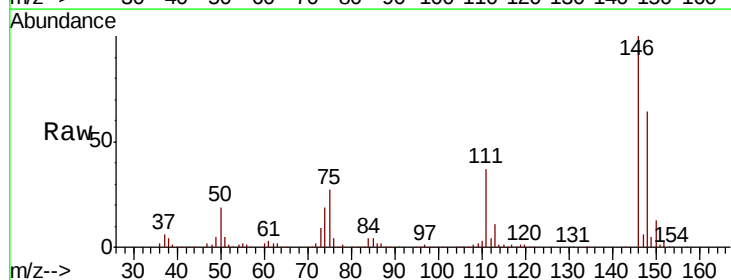
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:146 Resp: 738085
 Ion Ratio Lower Upper
 146 100
 111 44.2 19.2 57.6
 148 61.8 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 56.680 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion:146 Resp: 692912
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.9 56.7
 148 64.1 32.3 96.8





#89

n-Butylbenzene

Concen: 54.069 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

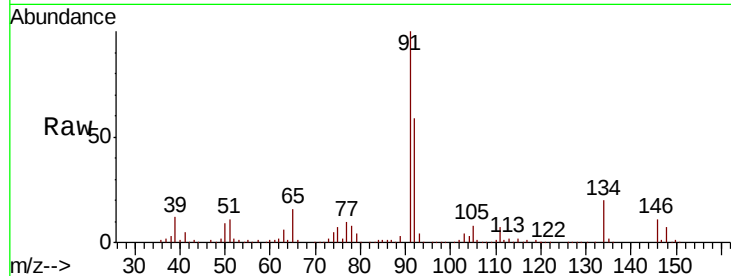
Tot Ion: 91 Resp: 1209378

Ion Ratio Lower Upper

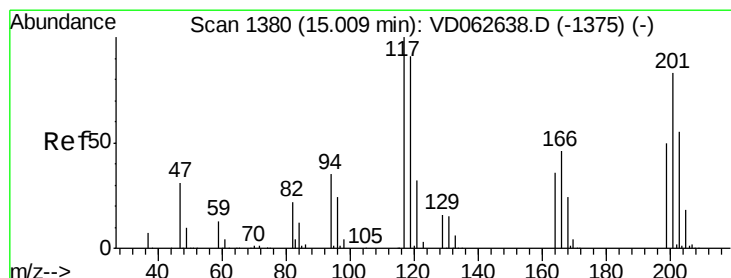
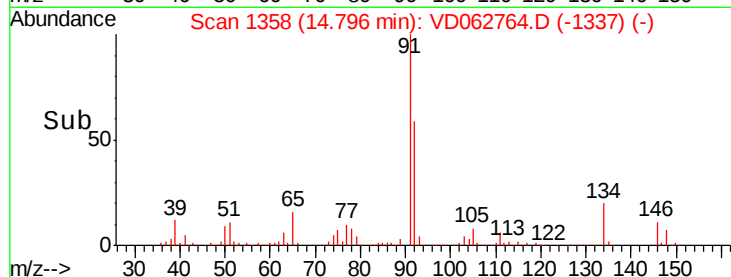
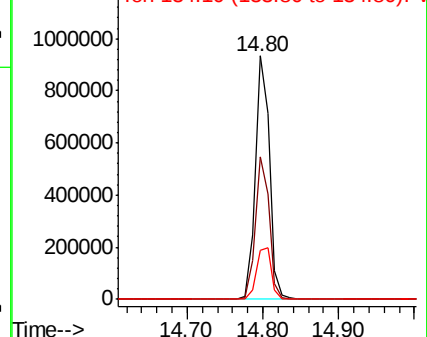
91 100

92 58.5 29.4 88.3

134 20.0 10.4 31.2



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): V



#90

Hexachloroethane

Concen: 55.109 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062764.D

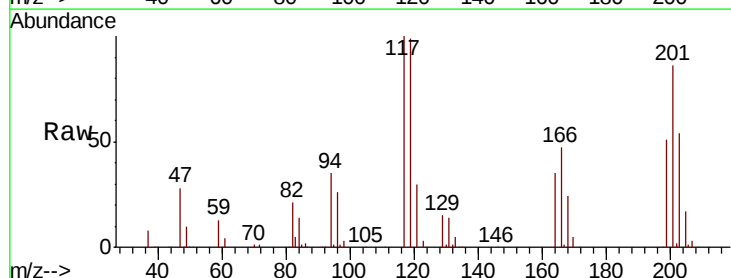
Acq: 18 Jun 2019 22:46

Tgt Ion: 117 Resp: 361717

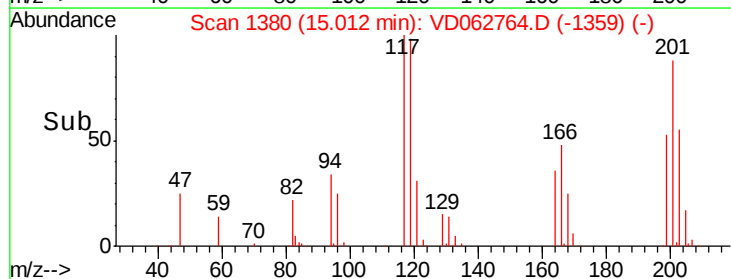
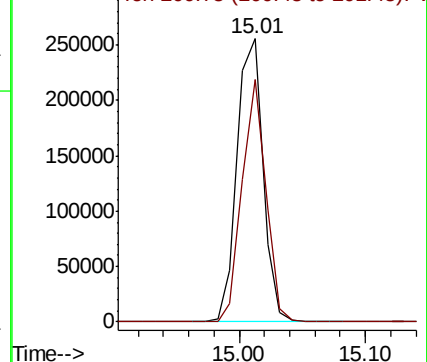
Ion Ratio Lower Upper

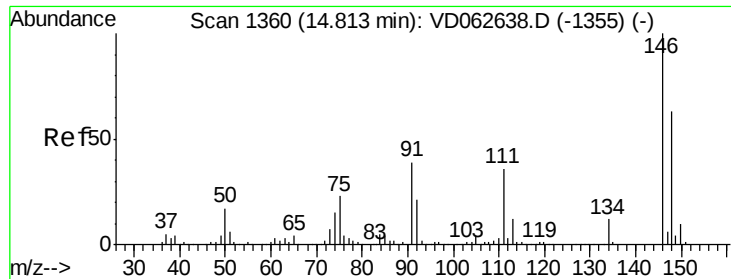
117 100

201 85.9 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

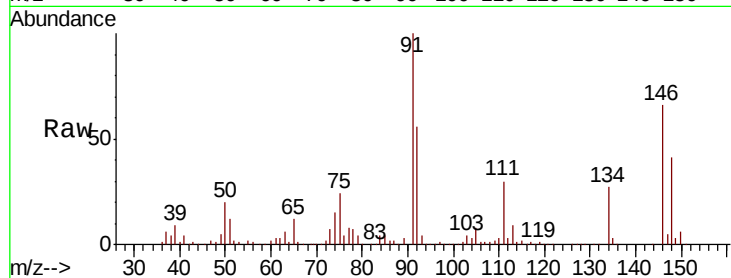




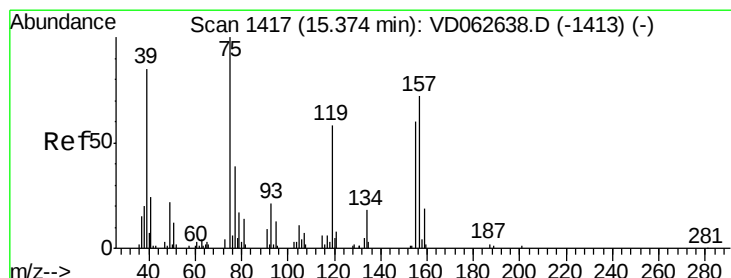
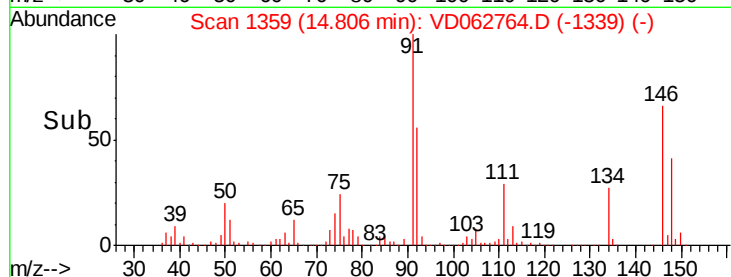
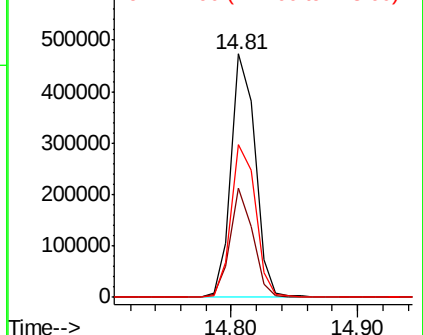
#91
 1,2-Dichlorobenzene
 Concen: 57.955 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 623188
 Ion Ratio Lower Upper
 146 100
 111 44.7 18.1 54.3
 148 62.5 31.4 94.0

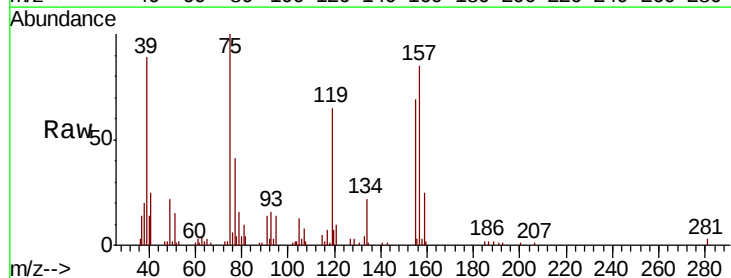


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

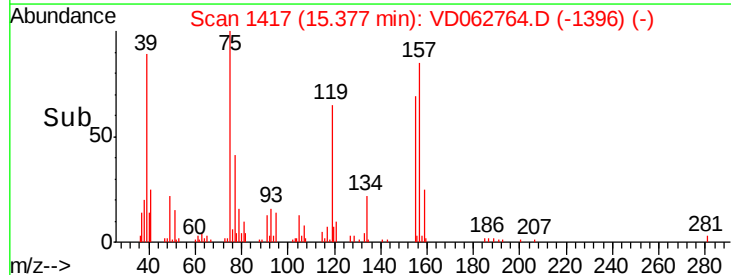
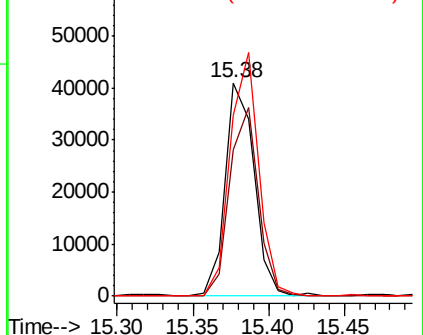


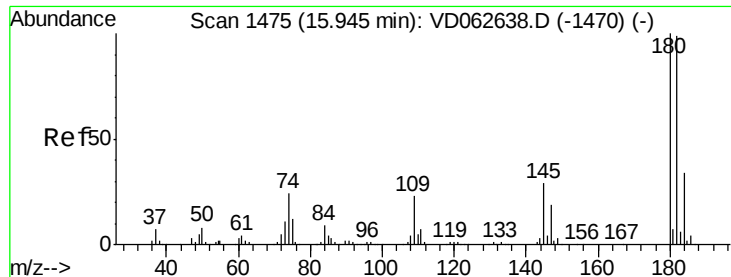
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.811 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion: 75 Resp: 54613
 Ion Ratio Lower Upper
 75 100
 155 68.8 30.1 90.5
 157 84.5 35.9 107.8



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

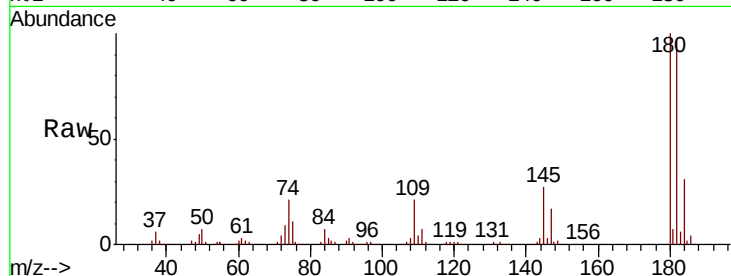




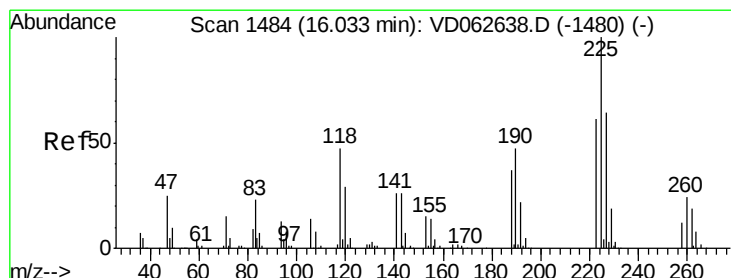
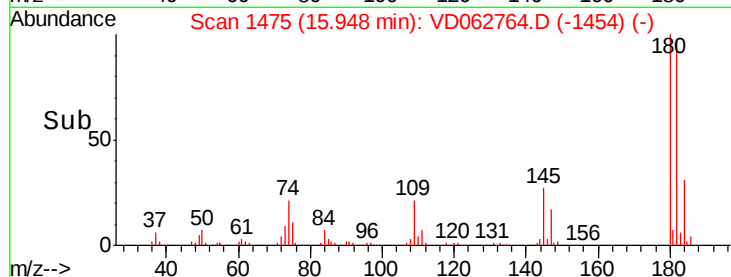
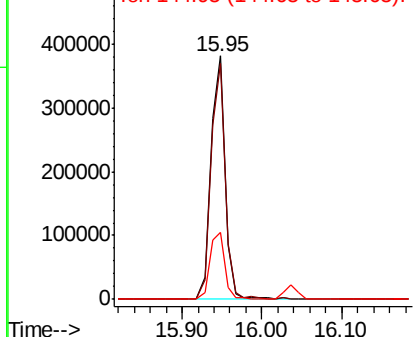
#93
 1,2,4-Trichlorobenzene
 Concen: 52.260 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 478295
 Ion Ratio Lower Upper
 180 100
 182 97.1 49.4 148.2
 145 27.5 14.5 43.6

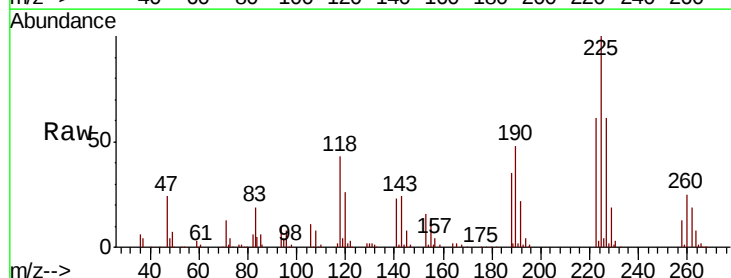


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

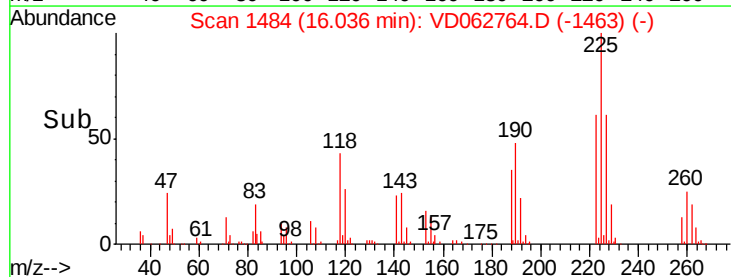
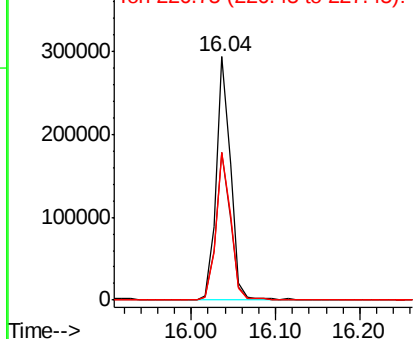


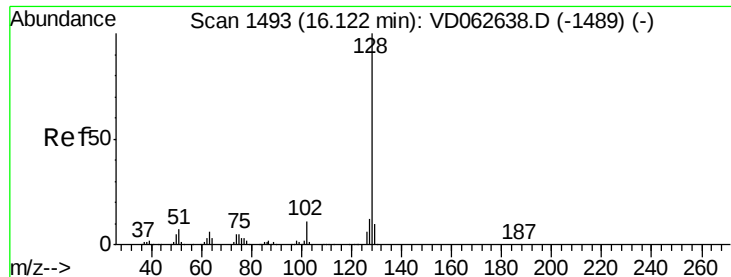
#94
 Hexachlorobutadiene
 Concen: 54.746 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion:225 Resp: 347562
 Ion Ratio Lower Upper
 225 100
 223 60.7 30.3 91.0
 227 60.8 31.8 95.4



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

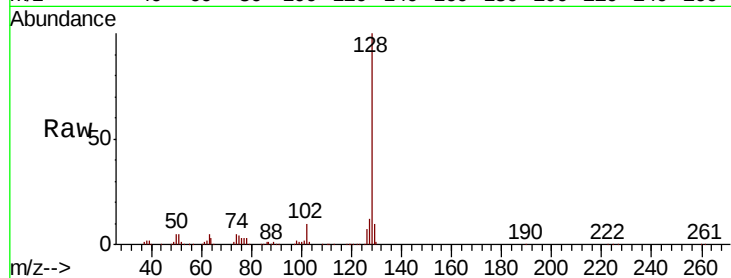




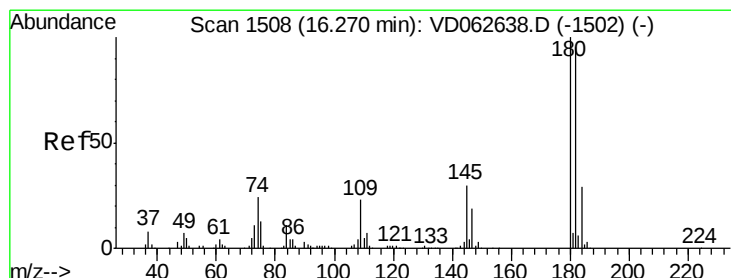
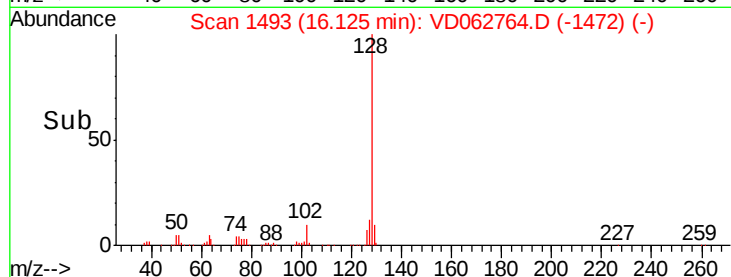
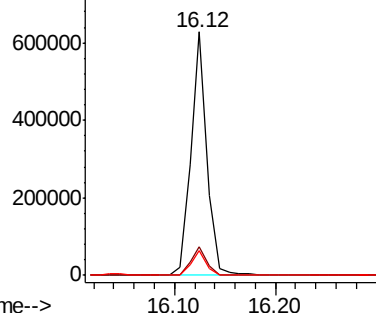
#95
Naphthalene
Concen: 54.034 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 698768
Ion Ratio Lower Upper
128 100
127 11.8 9.7 14.5
129 10.0 8.1 12.1

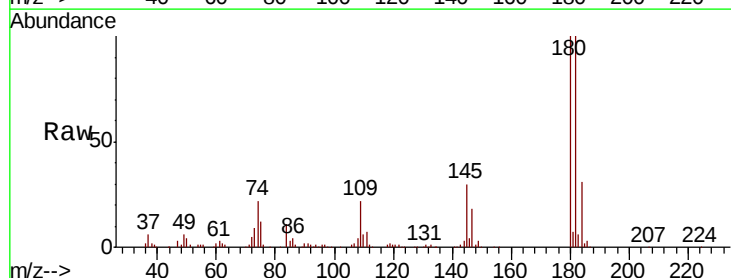


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 62.782 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion:180 Resp: 388846
Ion Ratio Lower Upper
180 100
182 100.0 47.7 143.1
145 30.1 15.0 45.0



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

