

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062684.D
 Acq On : 12 Jun 2019 19:46
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 13 07:26:25 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	7.03	168	785153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1101281	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	950549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	501274	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	570144	50.32	ug/l	-0.01
Spiked Amount			Recovery	=	100.64%	
35) Dibromofluoromethane	6.91	113	564573	48.61	ug/l	-0.01
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	10.40	98	1181767	48.37	ug/l	-0.01
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	13.55	95	535205	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	330576	35.466	ug/l	96
3) Chloromethane	1.74	50	317094	40.816	ug/l	97
4) Vinyl Chloride	1.84	62	326490	40.755	ug/l	96
5) Bromomethane	2.14	94	168197	41.595	ug/l	96
6) Chloroethane	2.26	64	169782	42.927	ug/l #	89
7) Trichlorofluoromethane	2.53	101	711243	39.666	ug/l	99
8) Diethyl Ether	2.86	74	100558	41.233	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	411267	42.530	ug/l	96
10) Methyl Iodide	3.29	142	525741	38.458	ug/l	92
11) Tert butyl alcohol	4.08	59	110405	237.070	ug/l #	88
12) 1,1-Dichloroethene	3.12	96	308113	44.399	ug/l	90
13) Acrolein	3.02	56	43242	288.657	ug/l	99
14) Allyl chloride	3.61	41	491592	46.071	ug/l	90
15) Acrylonitrile	4.18	53	270562	255.662	ug/l	94
16) Acetone	3.22	43	455882	219.739	ug/l	98
17) Carbon Disulfide	3.36	76	940418	45.986	ug/l	98
18) Methyl Acetate	3.63	43	152091	44.608	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	797764	47.134	ug/l	100
20) Methylene Chloride	3.80	84	349791	44.576	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	355947	46.760	ug/l	86
22) Diisopropyl ether	5.11	45	1085317	48.985	ug/l	94
23) Vinyl Acetate	5.05	43	3413446	248.337	ug/l	99
24) 1,1-Dichloroethane	4.97	63	671343	47.101	ug/l	97
25) 2-Butanone	6.06	43	462432	228.475	ug/l	96
26) 2,2-Dichloropropane	6.01	77	683534	41.610	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	373458	45.256	ug/l	99
28) Bromochloromethane	6.42	49	288105	52.878	ug/l	97
29) Tetrahydrofuran	6.44	42	211638	232.195	ug/l	99
30) Chloroform	6.65	83	846761	46.303	ug/l	92
31) Cyclohexane	6.94	56	410117	45.869	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	826875	45.441	ug/l	100
36) 1,1-Dichloropropene	7.13	75	541795	42.985	ug/l	98
37) Ethyl Acetate	6.17	43	239473	44.691	ug/l #	96
38) Carbon Tetrachloride	7.09	117	878784	44.111	ug/l	99

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 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	8.85	83	435119	42.720	ug/l	98
40) Benzene	7.44	78	1130565	45.931	ug/l	99
41) Methacrylonitrile	6.44	41	292558	44.341	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	639651	43.599	ug/l	99
43) Isopropyl Acetate	9.23	43	308684	46.415	ug/l	97
44) Trichloroethene	8.52	130	457163	45.749	ug/l	99
45) 1,2-Dichloropropane	8.92	63	262050	44.322	ug/l	99
46) Dibromomethane	9.05	93	245856	46.847	ug/l	94
47) Bromodichloromethane	9.37	83	655743	45.932	ug/l	93
48) Methyl methacrylate	9.11	41	218282	45.432	ug/l	93
49) 1,4-Dioxane	9.07	88	36162	849.158	ug/l #	78
51) 4-Methyl-2-Pentanone	10.29	43	1102411	236.900	ug/l	99
52) Toluene	10.50	92	745913	45.082	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	545663	46.618	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	571622	47.251	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	259898	45.804	ug/l	98
56) Ethyl methacrylate	11.03	69	294353	43.602	ug/l	97
57) 1,3-Dichloropropane	11.40	76	395711	44.995	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	703632	232.015	ug/l	99
59) 2-Hexanone	11.52	43	828529	239.353	ug/l	98
60) Dibromochloromethane	11.67	129	505754	45.153	ug/l	96
61) 1,2-Dibromoethane	11.79	107	323505	47.637	ug/l	92
64) Tetrachloroethene	11.25	164	408886	45.952	ug/l	95
65) Chlorobenzene	12.39	112	919483	43.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	464488	46.320	ug/l	98
67) Ethyl Benzene	12.52	91	1710121	45.874	ug/l	98
68) m/p-Xylenes	12.66	106	1111337	84.799	ug/l	96
69) o-Xylene	13.04	106	533267	44.305	ug/l	92
70) Styrene	13.06	104	927187	43.173	ug/l	99
71) Bromoform	13.23	173	312748	41.184	ug/l	97
73) Isopropylbenzene	13.39	105	1587155	44.921	ug/l	98
74) N-amyl acetate	13.26	43	440827	46.166	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	293492	48.546	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	332653	48.943	ug/l	98
77) Bromobenzene	13.66	156	450245	44.585	ug/l	92
78) n-propylbenzene	13.77	91	1938650	44.825	ug/l	98
79) 2-Chlorotoluene	13.84	91	1152270	45.503	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1384510	44.338	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	87960	44.134	ug/l	96
82) 4-Chlorotoluene	13.94	91	1287185	42.505	ug/l	95
83) tert-Butylbenzene	14.18	119	1510471	43.857	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1388151	44.899	ug/l	98
85) sec-Butylbenzene	14.36	105	1560775	43.217	ug/l	97
86) p-Isopropyltoluene	14.49	119	1492311	42.440	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	772690	42.236	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	793516	45.896	ug/l	95
89) n-Butylbenzene	14.79	91	1477515	46.708	ug/l	98
90) Hexachloroethane	15.00	117	409528	44.117	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	723906	47.602	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	59828	46.329	ug/l #	62

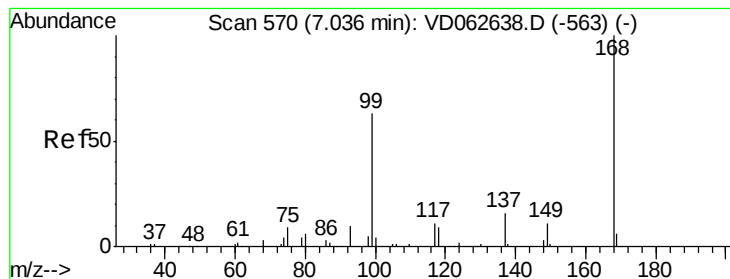
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	544575	42.769	ug/l	97
94) Hexachlorobutadiene	16.03	225	408057	45.447	ug/l	98
95) Naphthalene	16.12	128	753465	42.017	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	435888	49.763	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

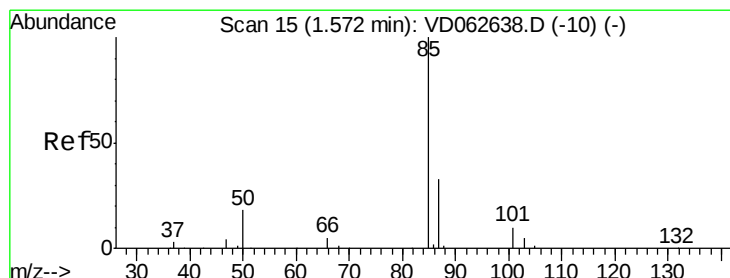
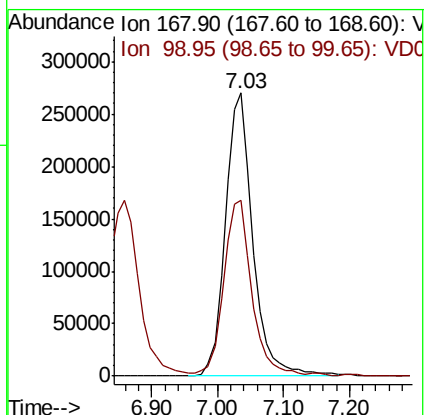
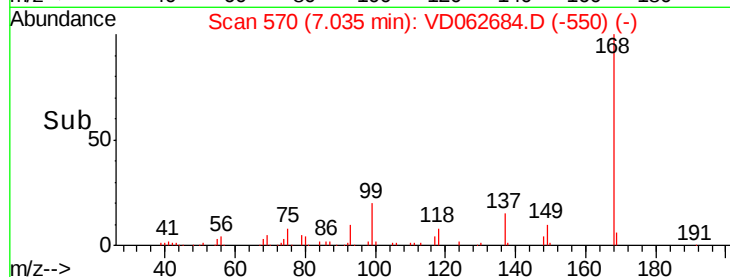
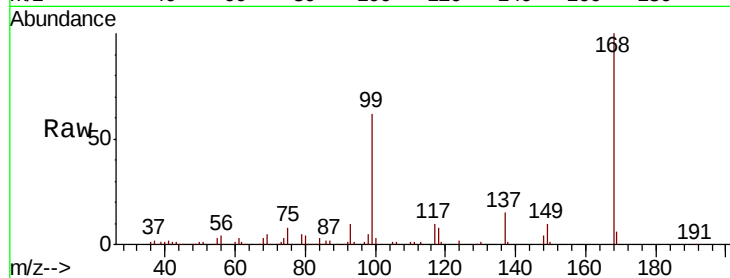
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 785153

Ion Ratio Lower Upper

168 100

99 62.0 51.4 77.2



#2

Dichlorodifluoromethane

Concen: 35.466 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062684.D

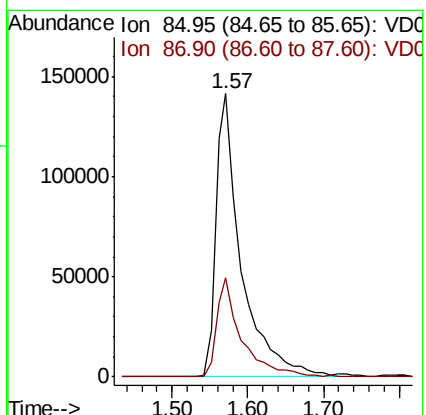
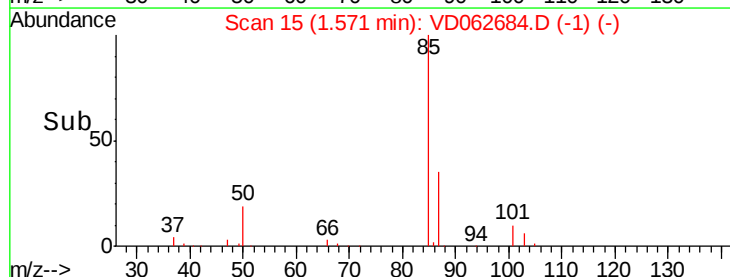
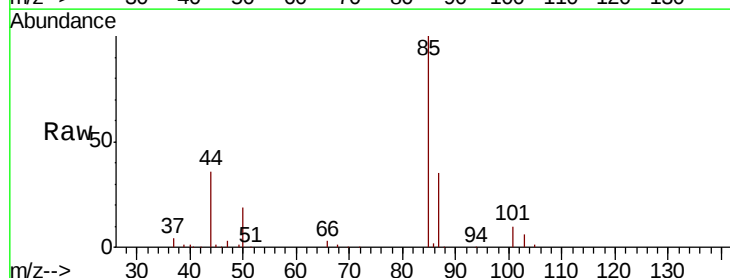
Acq: 12 Jun 2019 19:46

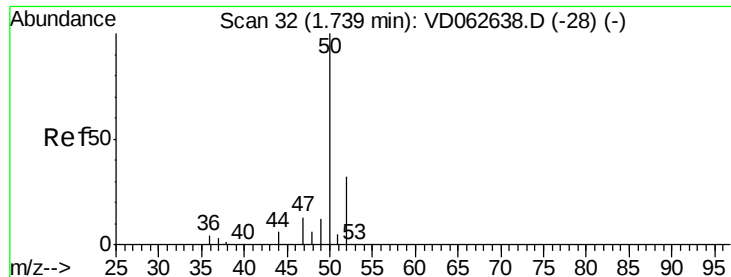
Tgt Ion: 85 Resp: 330576

Ion Ratio Lower Upper

85 100

87 35.2 16.6 49.7





#3

Chloromethane

Concen: 40.816 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

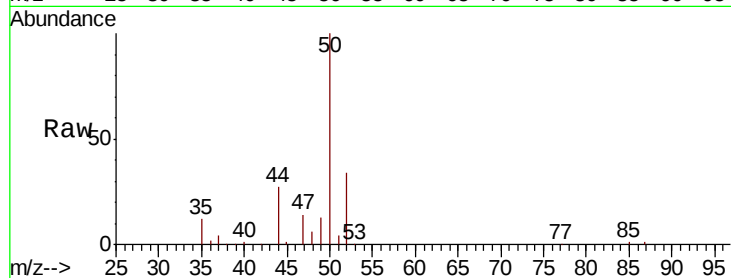
ClientSampled :

Tot Ion: 50 Resp: 317094

Ion Ratio Lower Upper

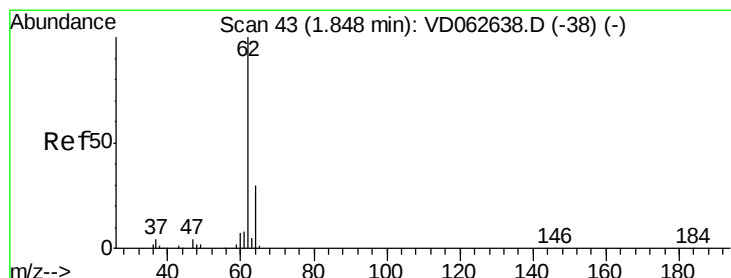
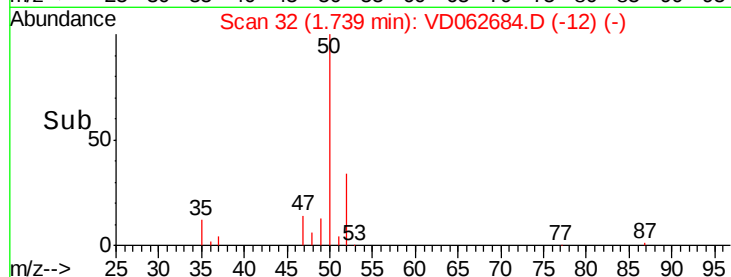
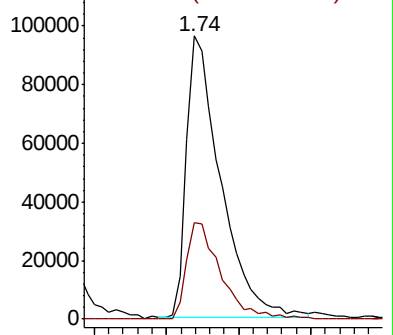
50 100

52 33.9 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: 40.755 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062684.D

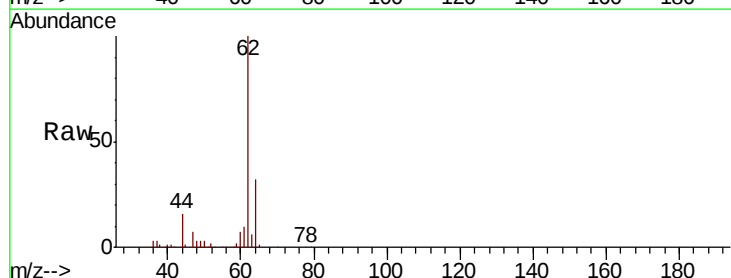
Acq: 12 Jun 2019 19:46

Tgt Ion: 62 Resp: 326490

Ion Ratio Lower Upper

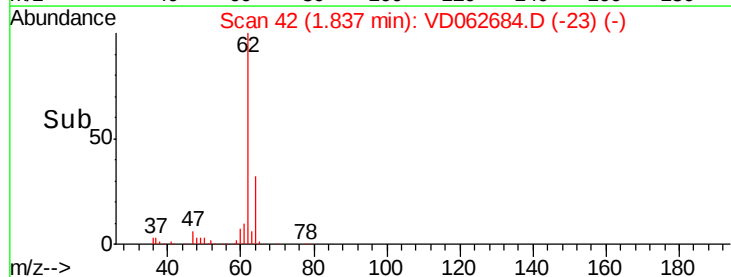
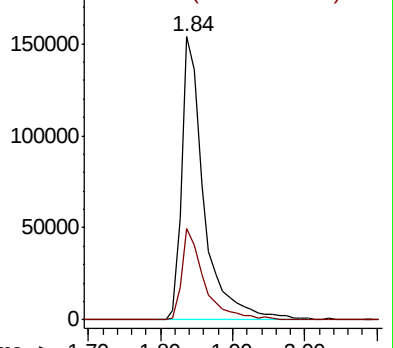
62 100

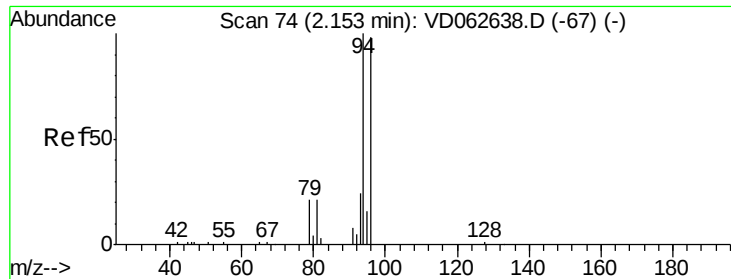
64 32.2 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 41.595 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampled :

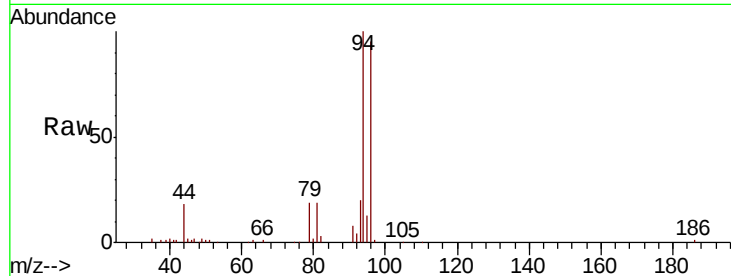
Tot Ion: 94 Resp: 168197

Ion Ratio Lower Upper

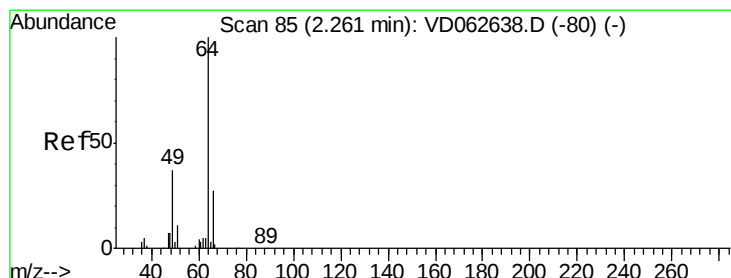
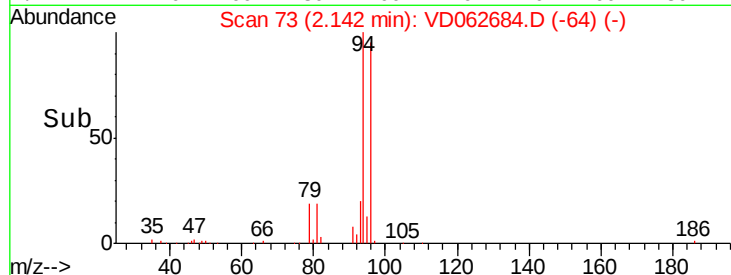
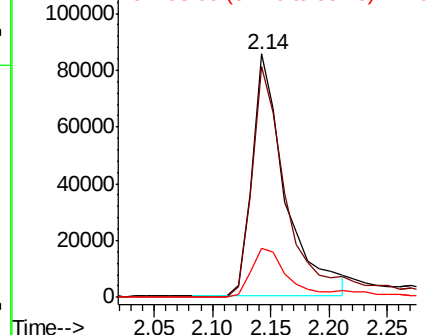
94 100

96 94.6 78.1 117.1

93 20.0 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: 42.927 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD062684.D

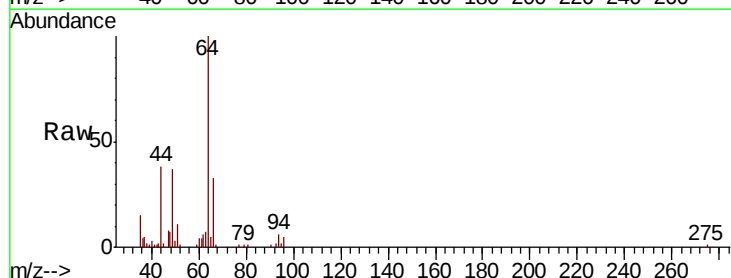
Acq: 12 Jun 2019 19:46

Tgt Ion: 64 Resp: 169782

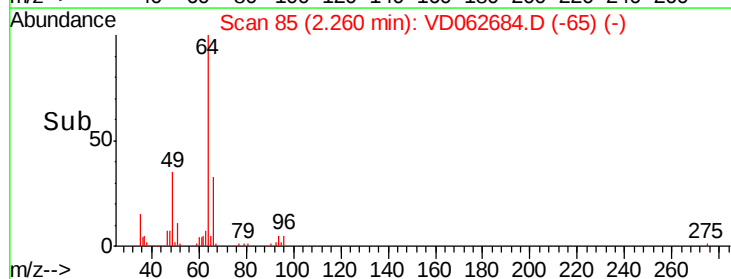
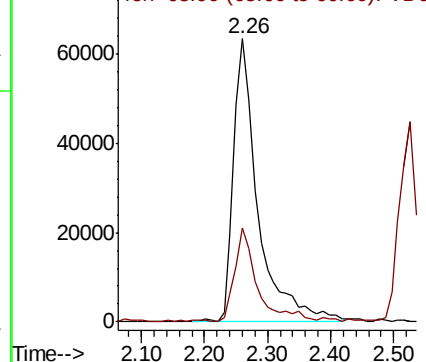
Ion Ratio Lower Upper

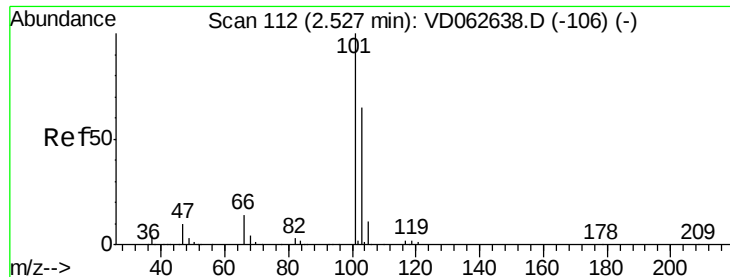
64 100

66 33.4 21.9 32.9#



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



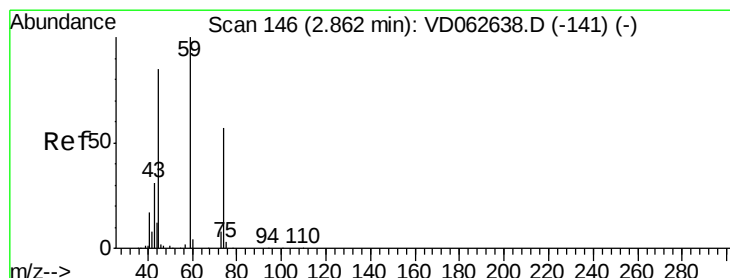
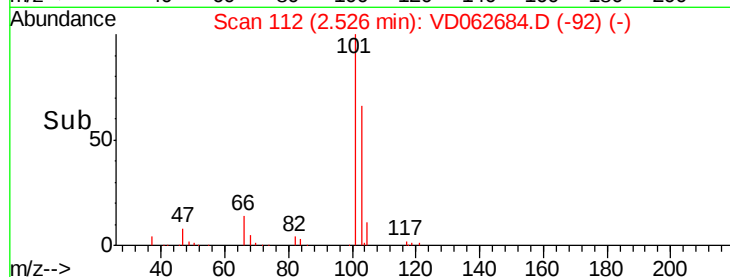
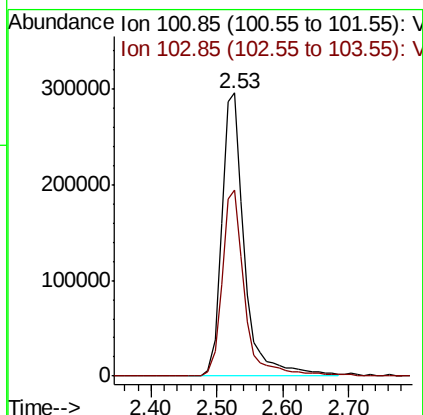
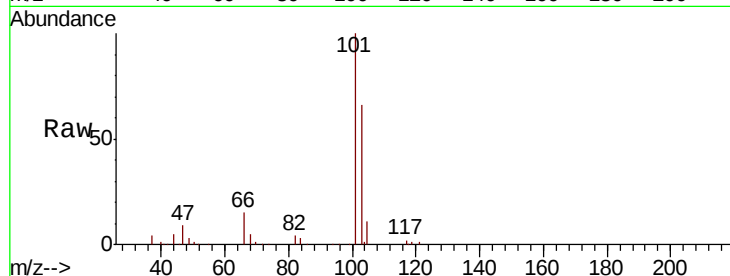


#7

Trichlorofluoromethane
 Concen: 39.666 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :

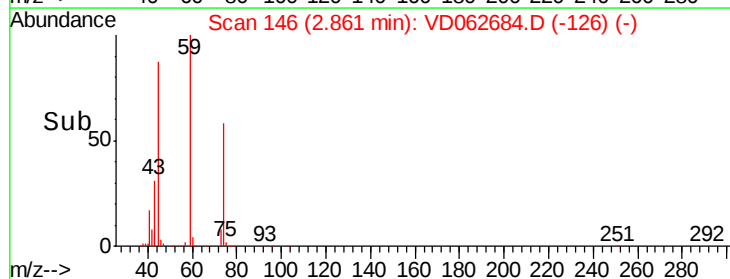
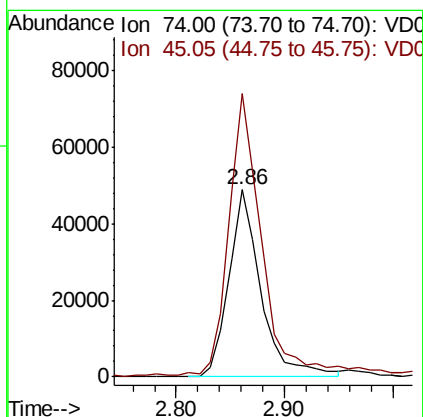
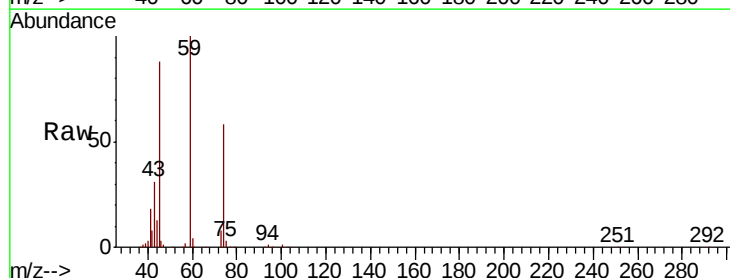
Tot Ion:101 Resp: 711243
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.2 78.2

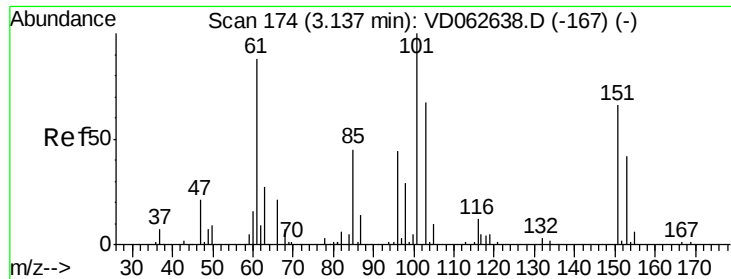


#8

Diethyl Ether
 Concen: 41.233 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion: 74 Resp: 100558
 Ion Ratio Lower Upper
 74 100
 45 151.6 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.530 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

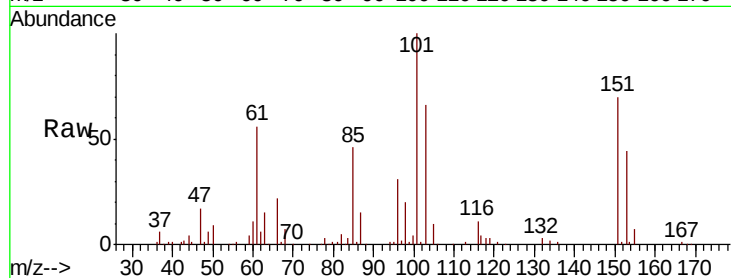
Tot Ion:101 Resp: 411267

Ion Ratio Lower Upper

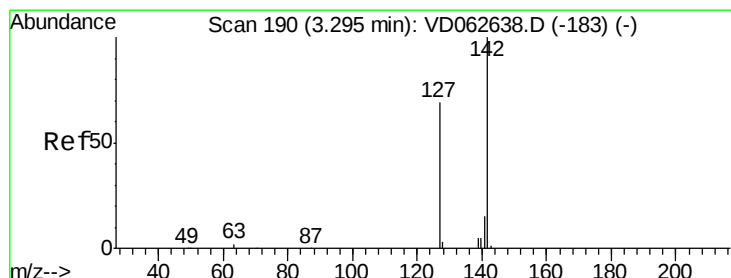
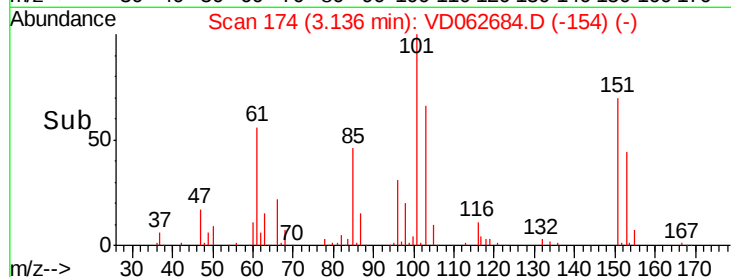
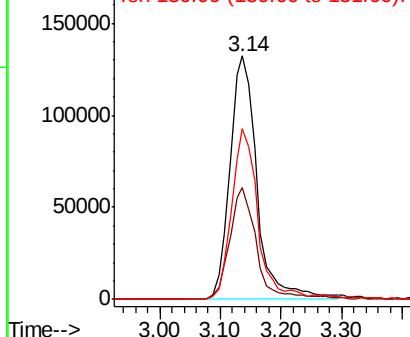
101 100

85 45.8 36.0 54.0

151 70.1 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: 38.458 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

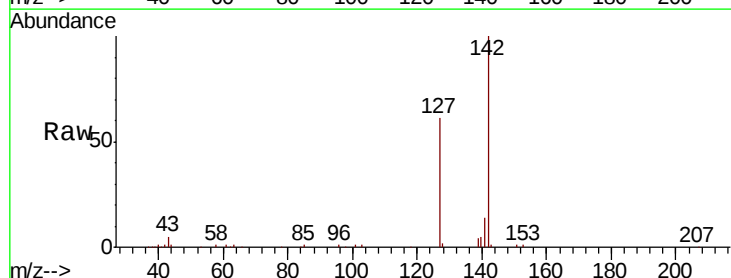
Tgt Ion:142 Resp: 525741

Ion Ratio Lower Upper

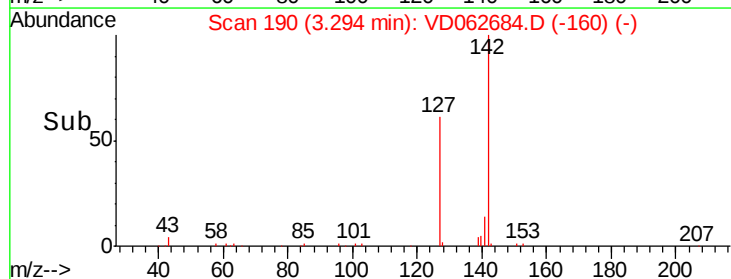
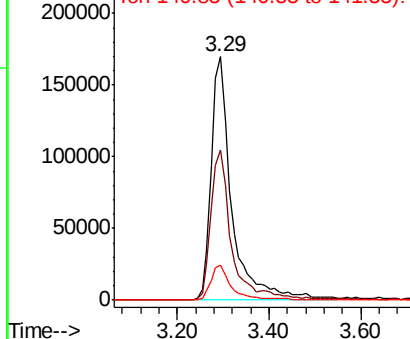
142 100

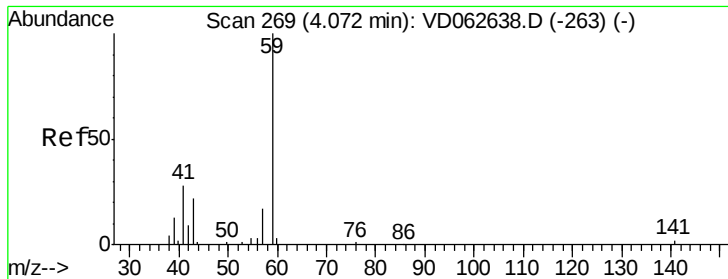
127 61.5 55.2 82.8

141 14.5 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



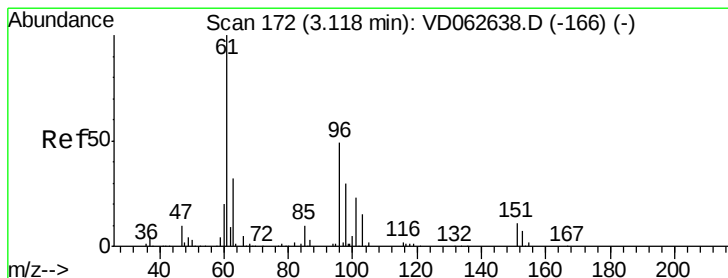
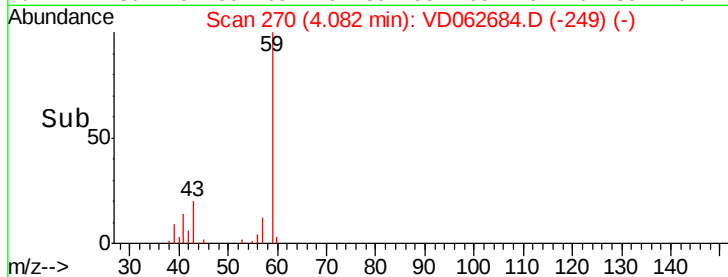
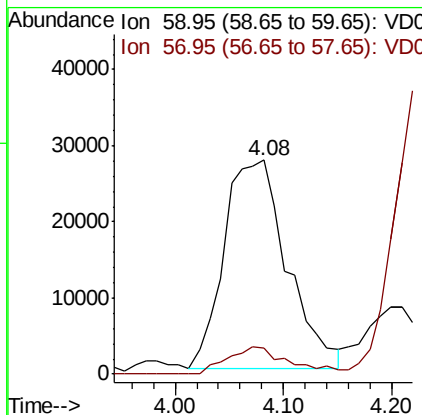
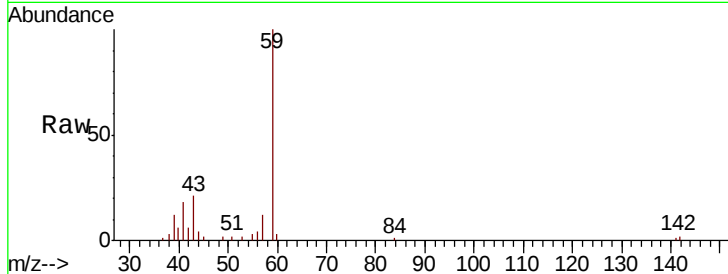


#11

Tert butyl alcohol
 Concen: 237.070 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampled :

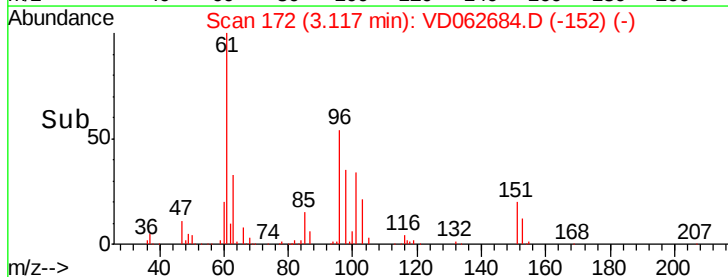
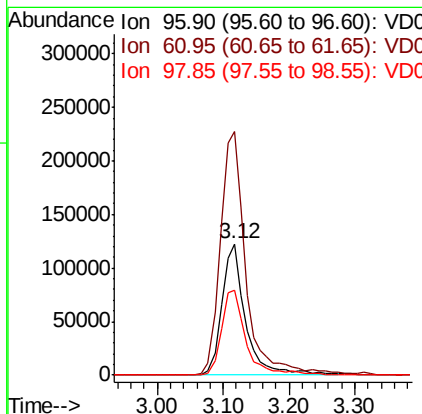
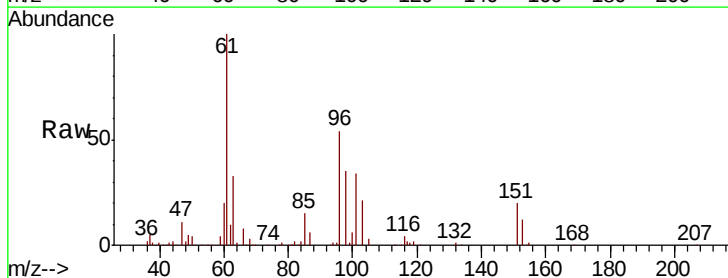
Tot Ion: 59 Resp: 110405
 Ion Ratio Lower Upper
 59 100
 57 12.0 13.7 20.5#

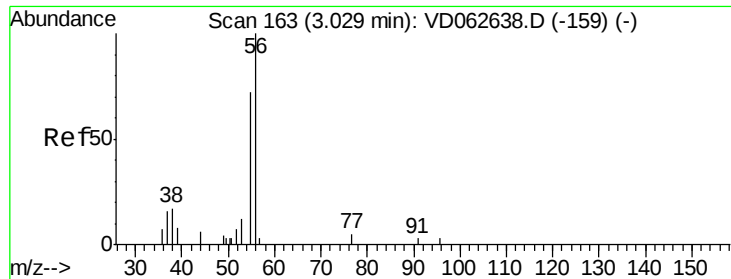


#12

1,1-Dichloroethene
 Concen: 44.399 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion: 96 Resp: 308113
 Ion Ratio Lower Upper
 96 100
 61 185.5 161.8 242.8
 98 64.5 48.2 72.4

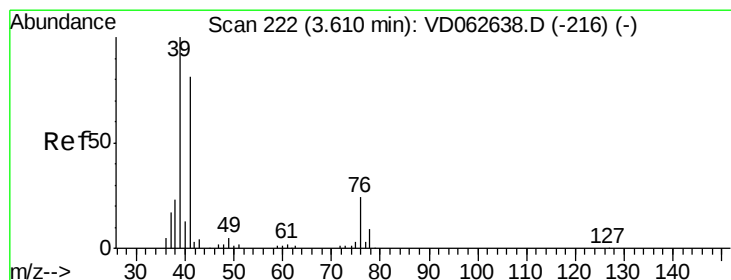
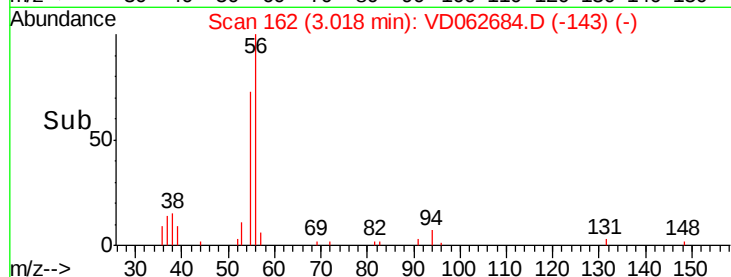
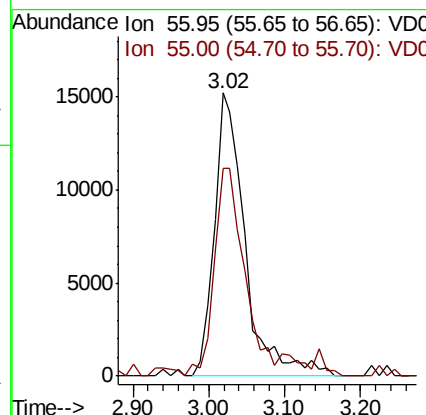
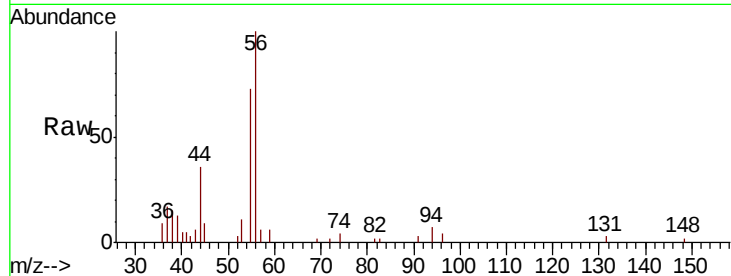




#13
Acrolein
Concen: 288.657 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

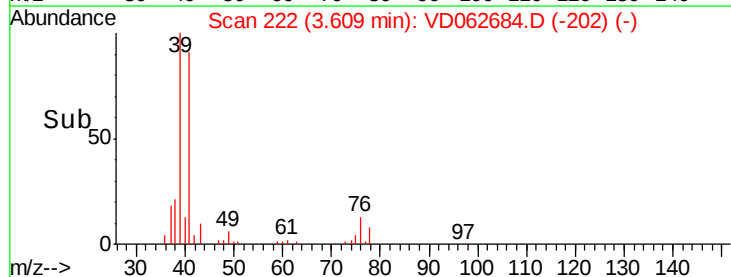
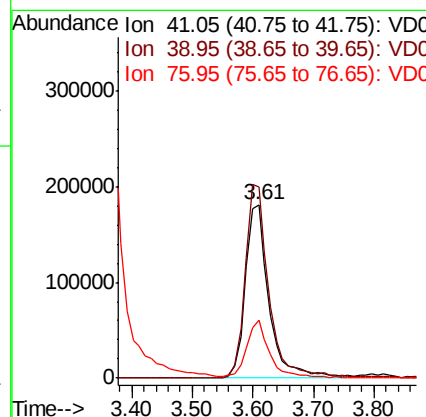
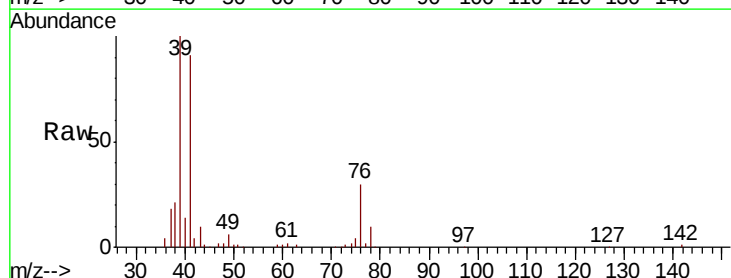
Instrument :
MSVOA_D
ClientSampleId :

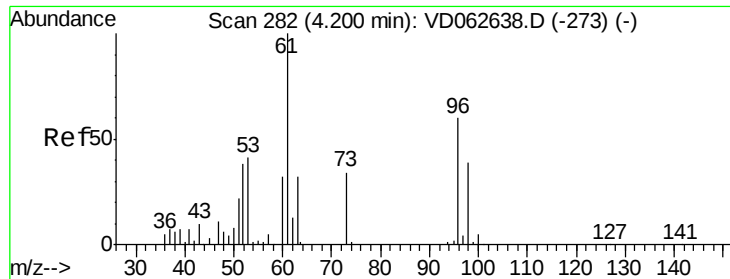
Tot Ion: 56 Resp: 43242
Ion Ratio Lower Upper
56 100
55 73.3 59.4 89.0



#14
Allyl chloride
Concen: 46.071 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 41 Resp: 491592
Ion Ratio Lower Upper
41 100
39 110.2 99.1 148.7
76 33.2 25.0 37.6

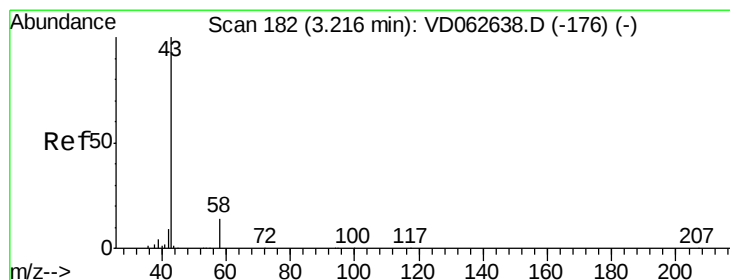
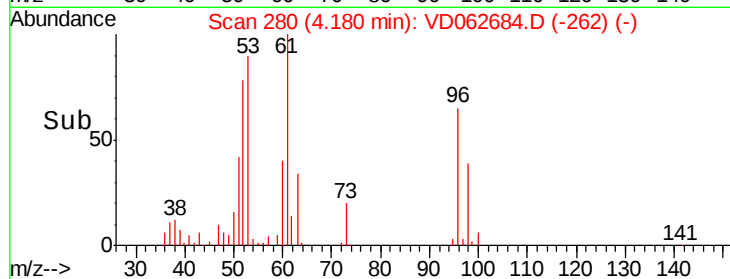
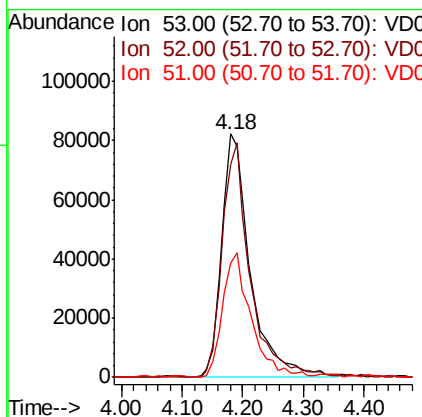
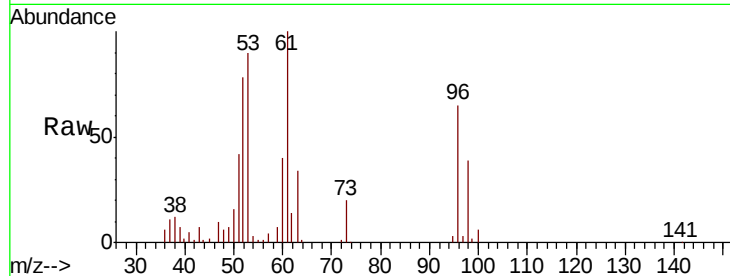




#15
 Acrylonitrile
 Concen: 255.662 ug/l
 RT: 4.18 min Scan# 280
 Delta R.T. -0.02 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

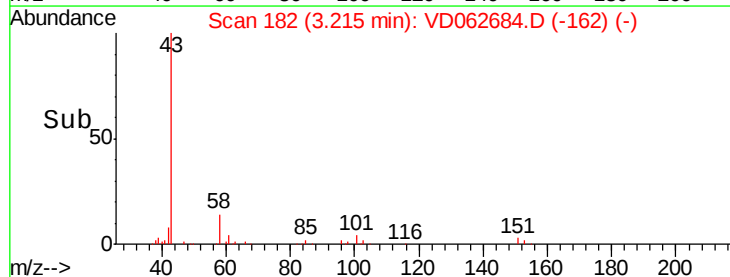
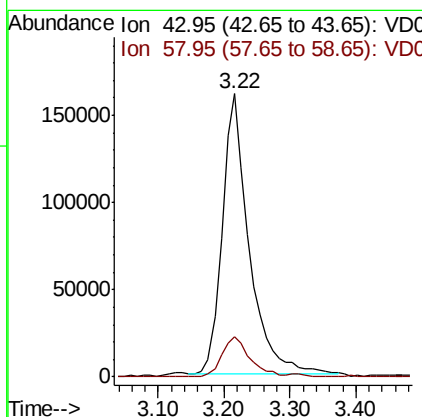
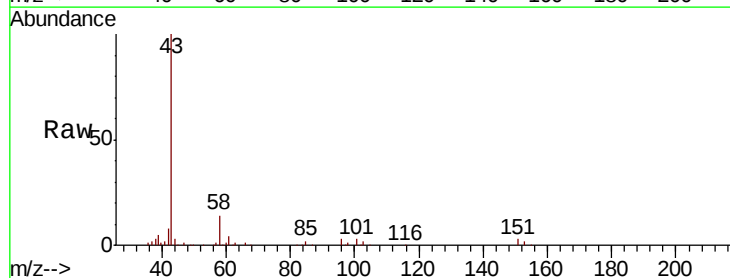
Instrument :
 MSVOA_D
 ClientSampleID :

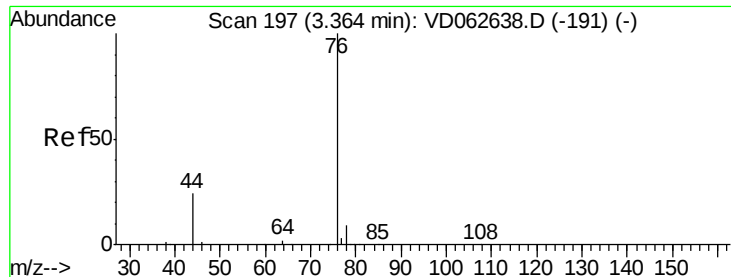
Tot Ion: 53 Resp: 270562
 Ion Ratio Lower Upper
 53 100
 52 87.4 73.6 110.4
 51 47.1 42.0 63.0



#16
 Acetone
 Concen: 219.739 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion: 43 Resp: 455882
 Ion Ratio Lower Upper
 43 100
 58 14.3 10.8 16.2

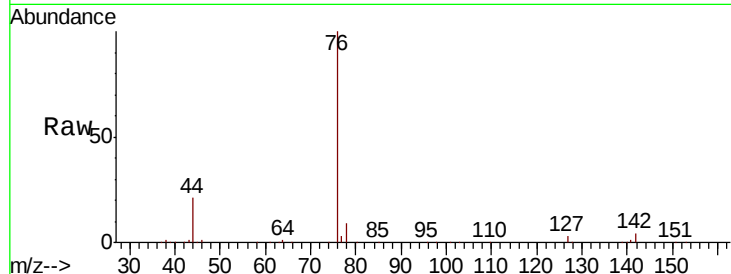




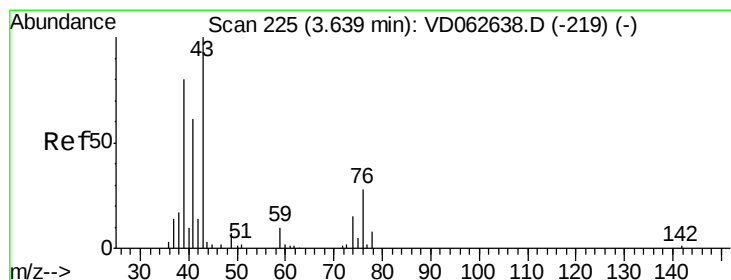
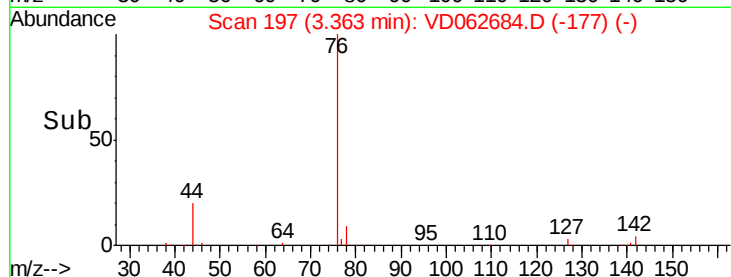
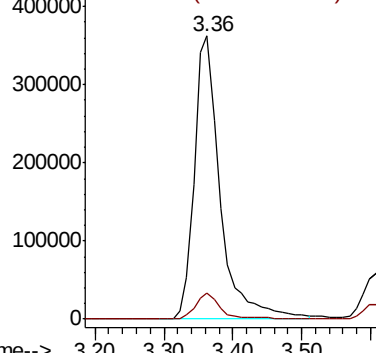
#17
Carbon Disulfide
Concen: 45.986 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 940418
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.4

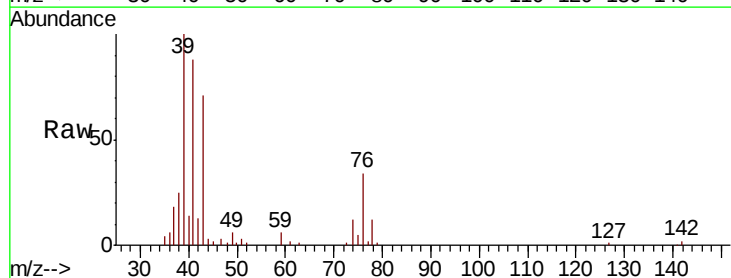


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

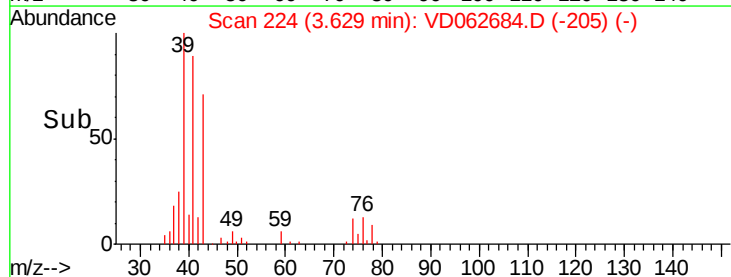
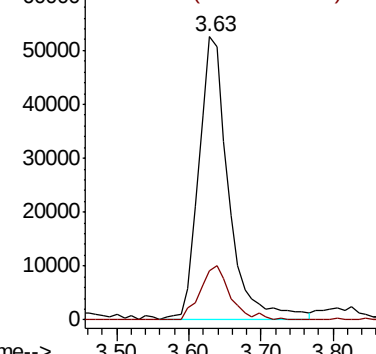


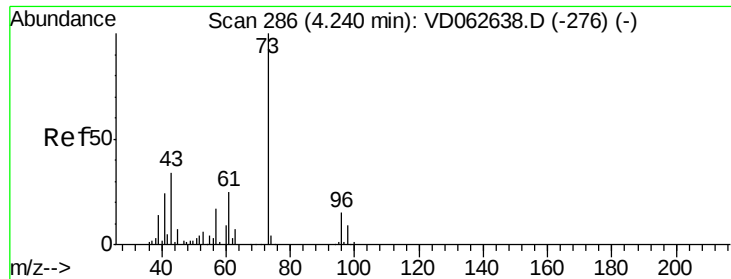
#18
Methyl Acetate
Concen: 44.608 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 43 Resp: 152091
Ion Ratio Lower Upper
43 100
74 17.4 12.1 18.1



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

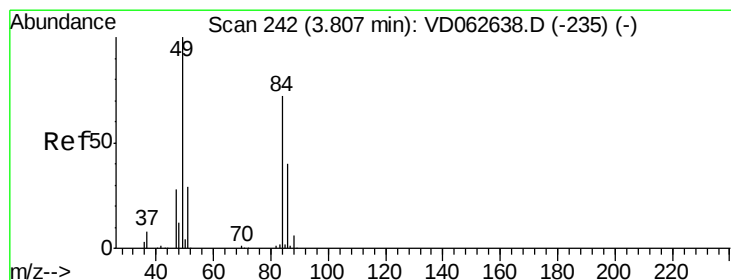
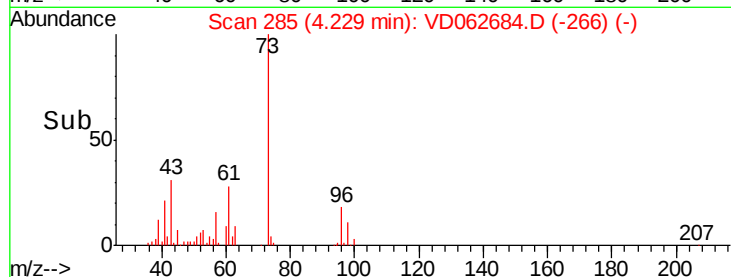
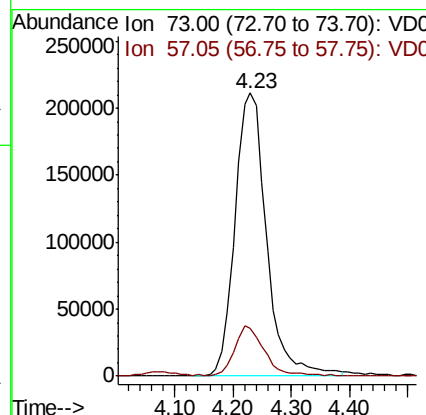
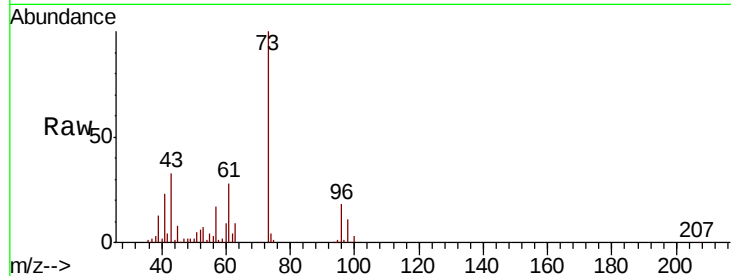




#19
Methyl tert-butyl Ether
Concen: 47.134 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

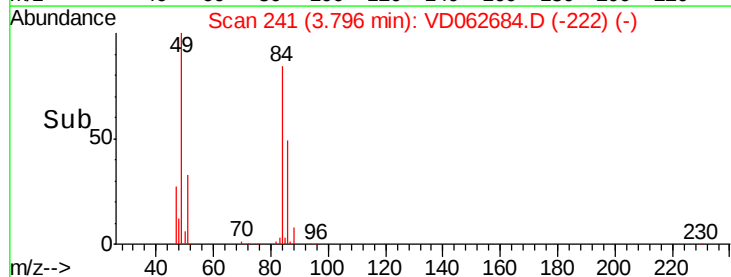
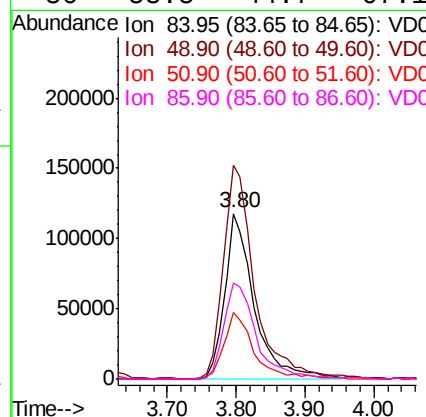
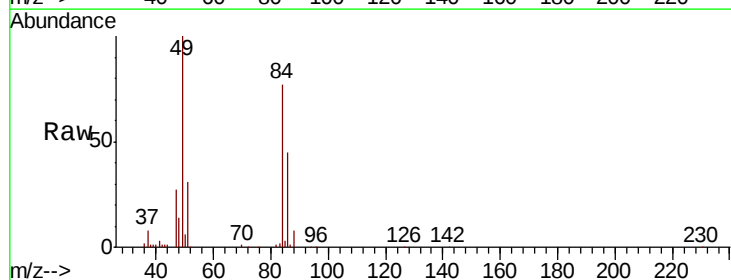
Instrument :
MSVOA_D
ClientSampleId :

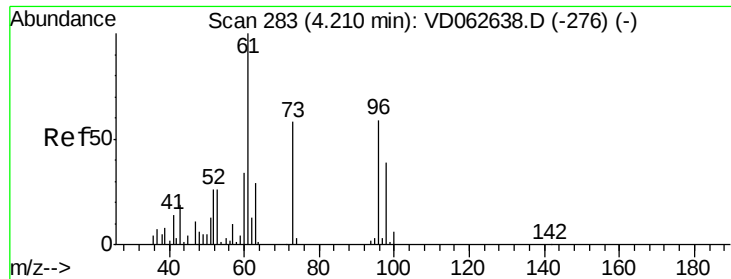
Tot Ion: 73 Resp: 797764
Ion Ratio Lower Upper
73 100
57 17.1 13.5 20.3



#20
Methylene Chloride
Concen: 44.576 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 84 Resp: 349791
Ion Ratio Lower Upper
84 100
49 129.2 111.2 166.8
51 40.4 31.9 47.9
86 58.5 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 46.760 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampled :

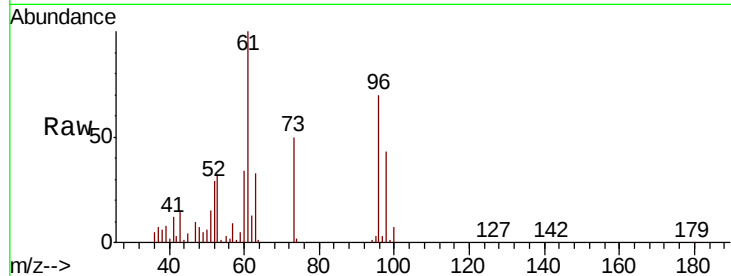
Tot Ion: 96 Resp: 355947

Ion Ratio Lower Upper

96 100

61 143.8 134.6 201.8

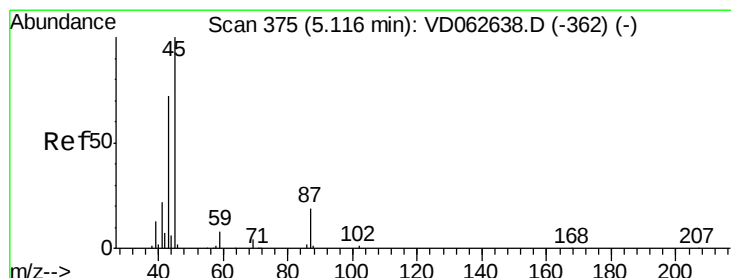
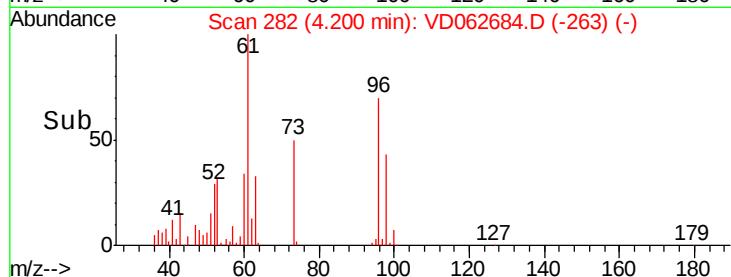
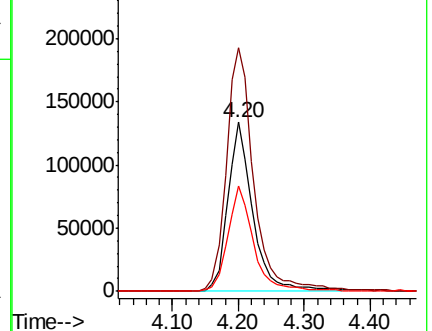
98 62.1 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 48.985 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Tgt Ion: 45 Resp: 1085317

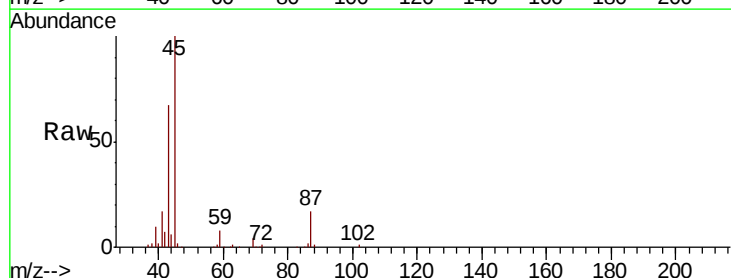
Ion Ratio Lower Upper

45 100

43 67.4 58.8 88.2

87 17.3 15.7 23.5

59 8.5 6.6 9.8

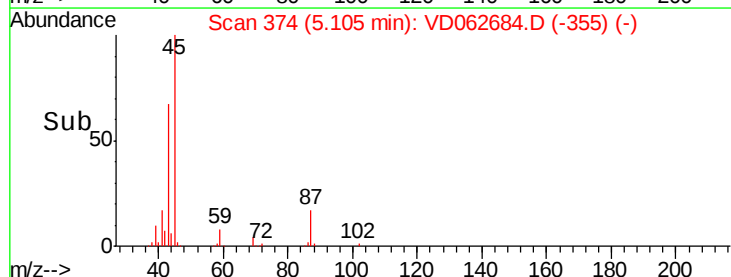
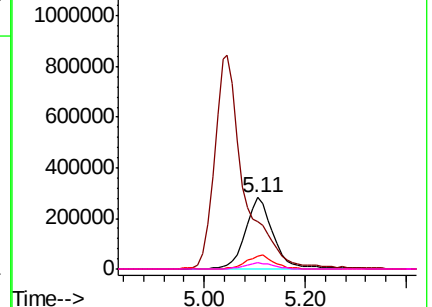


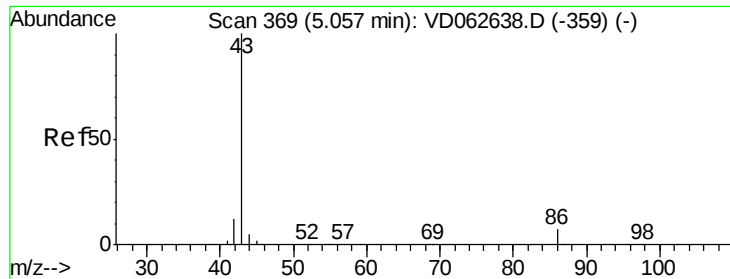
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

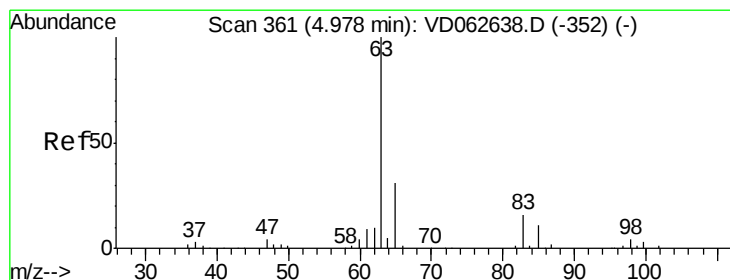
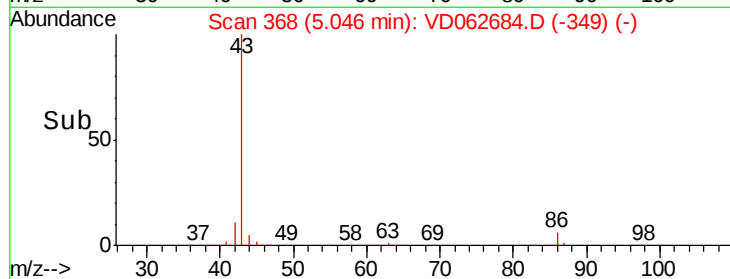
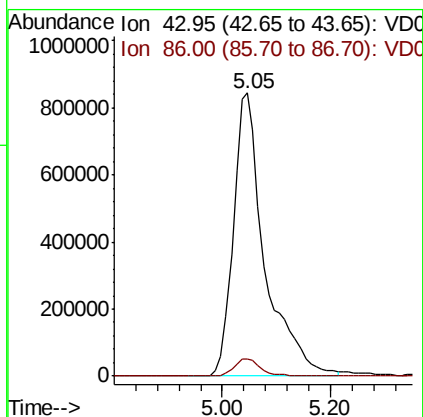
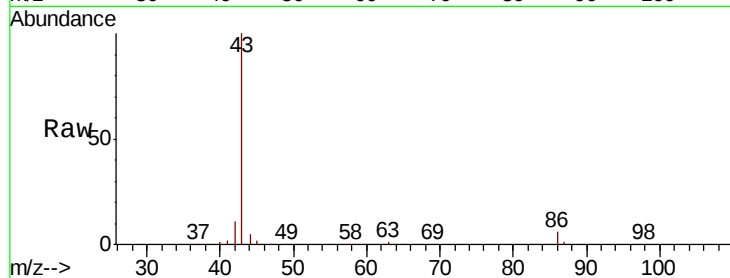




#23
 Vinyl Acetate
 Concen: 248.337 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

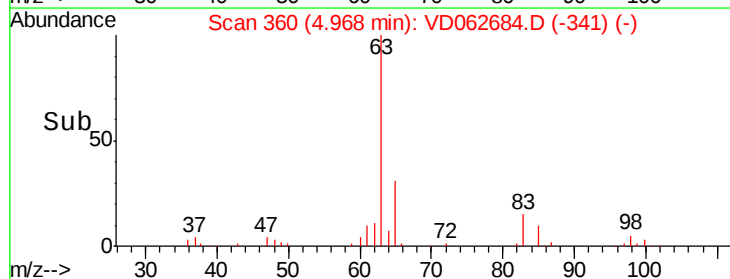
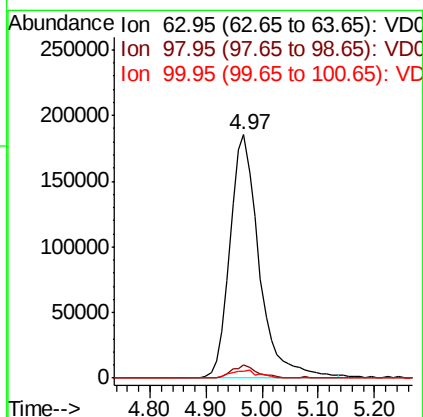
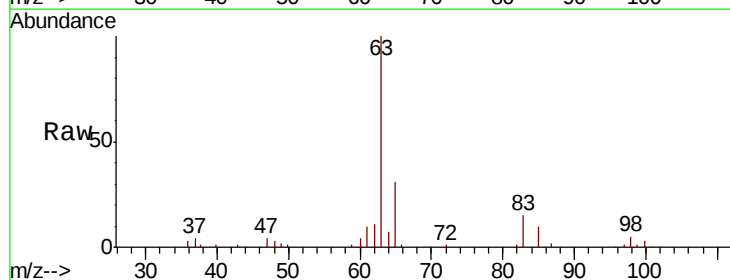
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 3413446
 Ion Ratio Lower Upper
 43 100
 86 6.1 5.3 7.9



#24
 1,1-Dichloroethane
 Concen: 47.101 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion: 63 Resp: 671343
 Ion Ratio Lower Upper
 63 100
 98 5.2 1.8 5.4
 100 3.3 1.5 4.4





#25

2-Butanone

Concen: 228.475 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

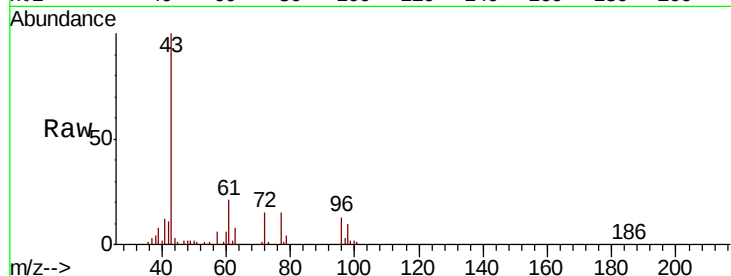
ClientSampleId :

Tot Ion: 43 Resp: 462432

Ion Ratio Lower Upper

43 100

72 15.2 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

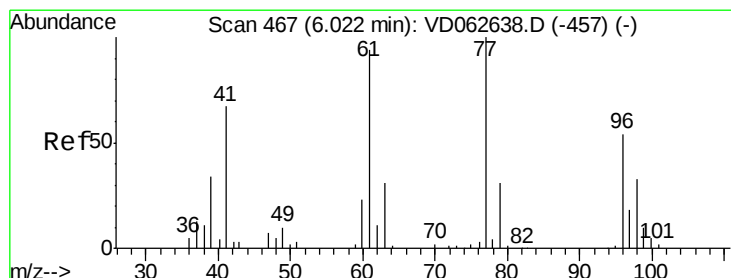
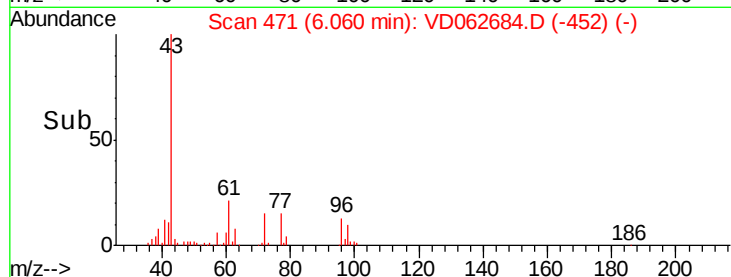
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 41.610 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062684.D

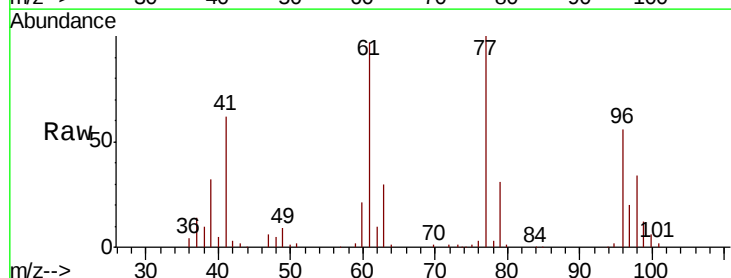
Acq: 12 Jun 2019 19:46

Tgt Ion: 77 Resp: 683534

Ion Ratio Lower Upper

77 100

97 20.2 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.01

200000

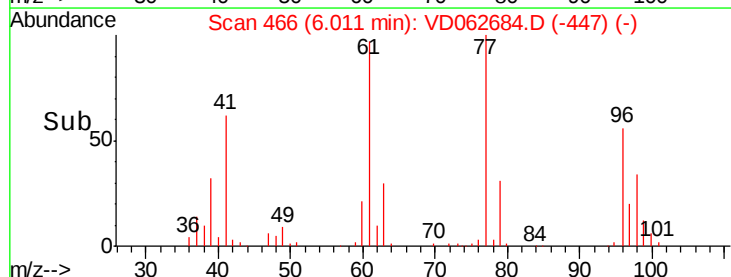
150000

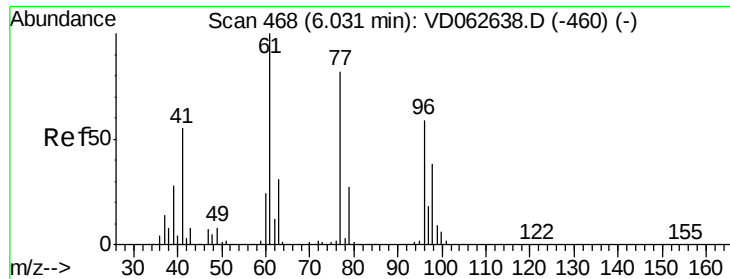
100000

50000

0

Time-->



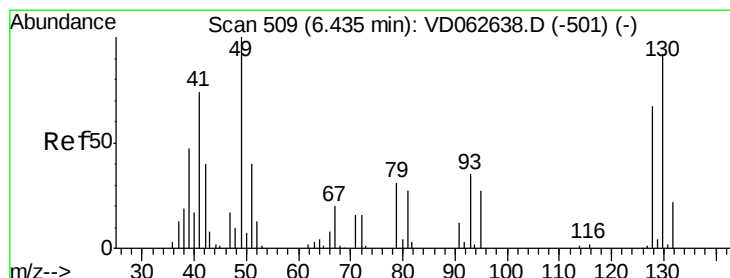
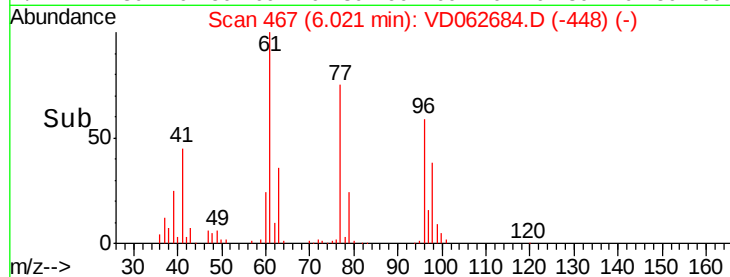
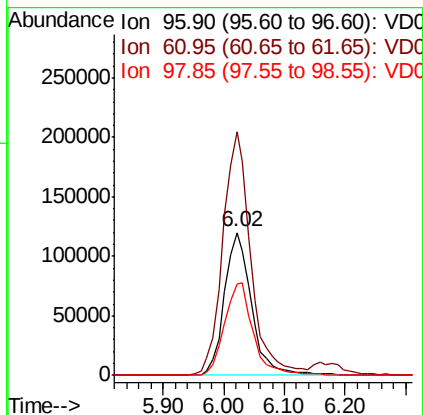
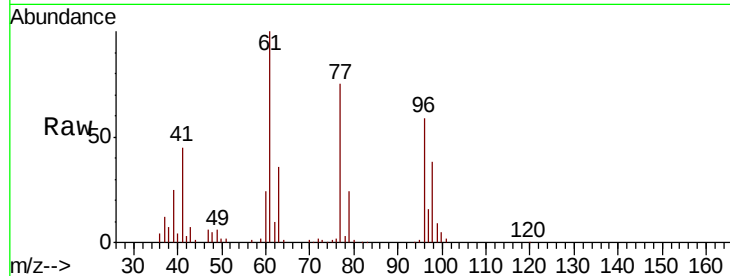


#27

cis-1,2-Dichloroethene
Concen: 45.256 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampled :

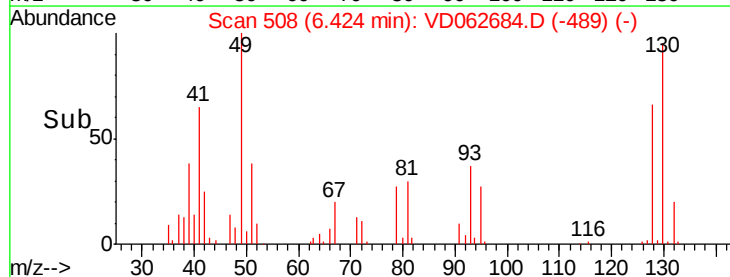
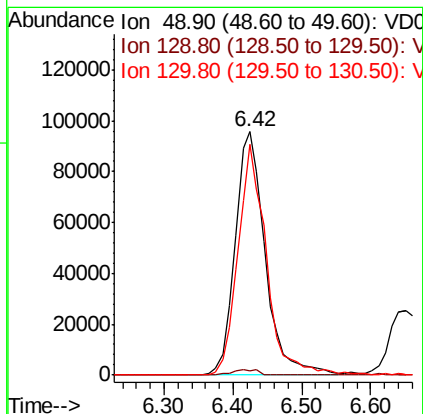
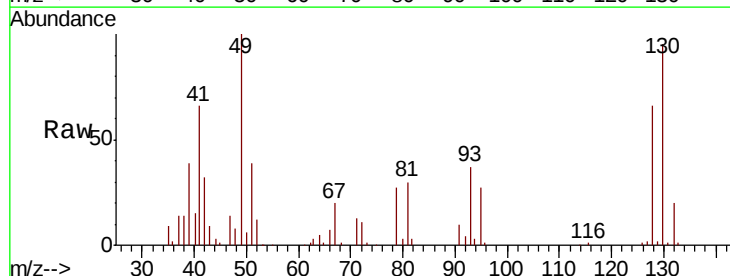
Tot Ion	96	Resp	373458
Ion	Ratio	Lower	Upper
96	100		
61	170.8	0.0	340.0
98	64.5	0.0	127.6



#28

Bromochloromethane
Concen: 52.878 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion	49	Resp	288105
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	8.2
130	94.8	73.4	110.0





#29

Tetrahydrofuran

Concen: 232.195 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

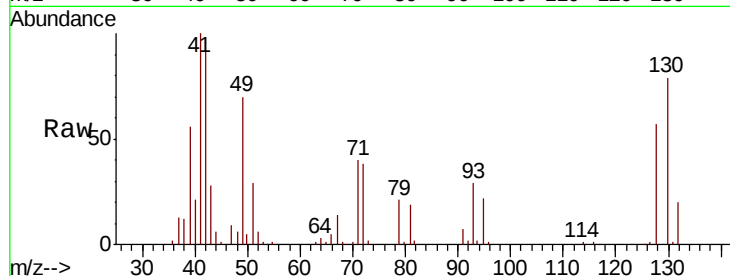
Tot Ion: 42 Resp: 211638

Ion Ratio Lower Upper

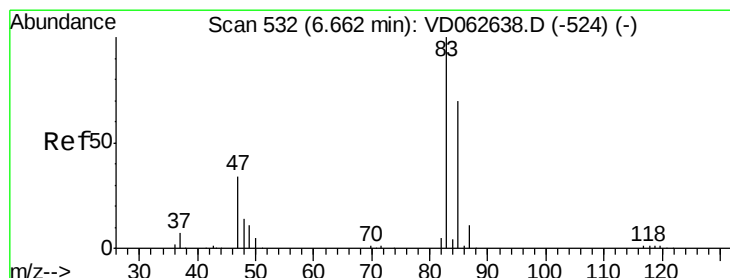
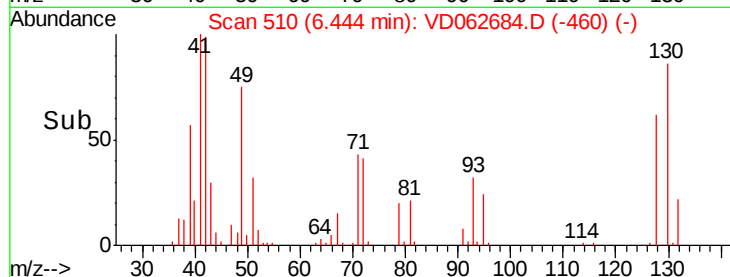
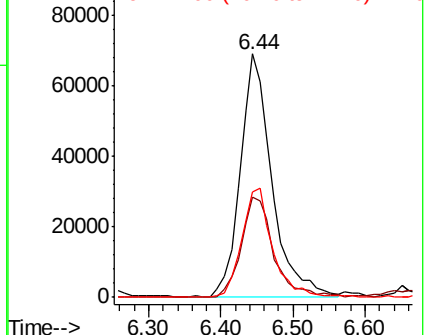
42 100

72 42.0 33.8 50.6

71 43.7 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: 46.303 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD062684.D

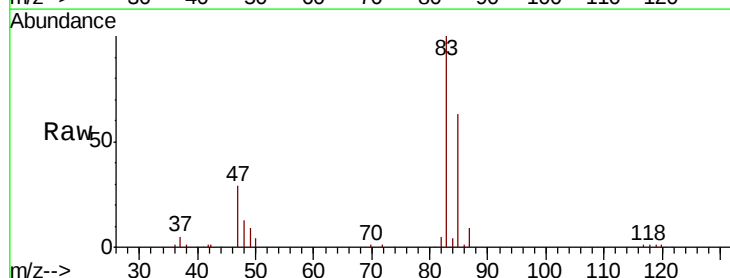
Acq: 12 Jun 2019 19:46

Tgt Ion: 83 Resp: 846761

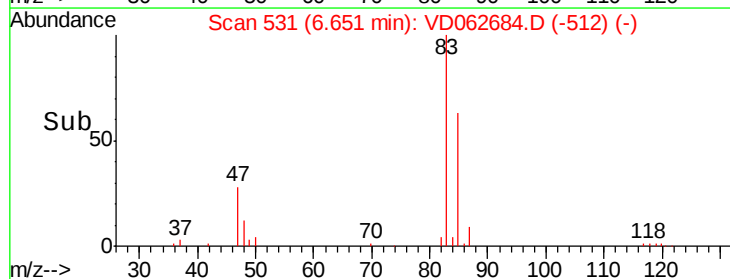
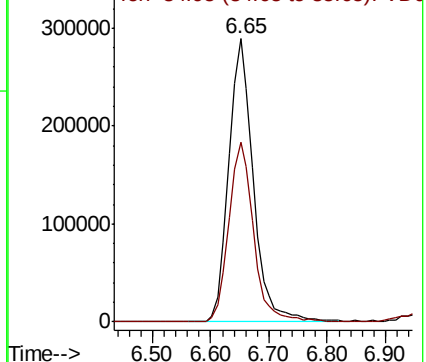
Ion Ratio Lower Upper

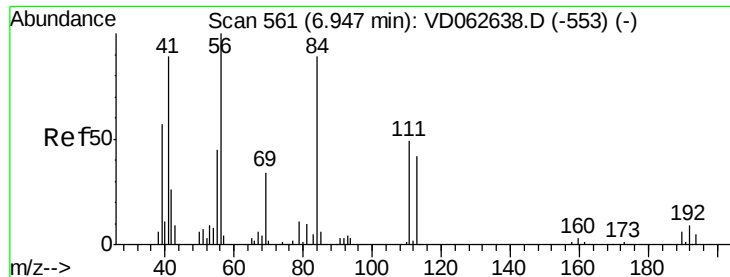
83 100

85 63.4 55.8 83.6



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

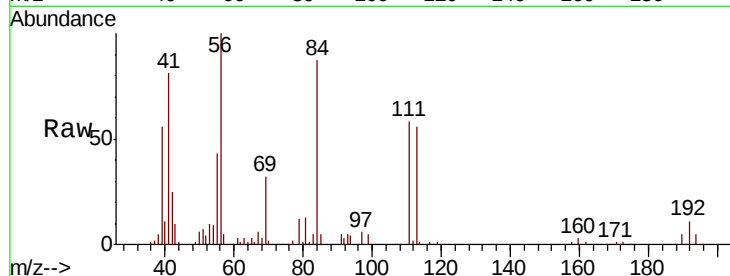




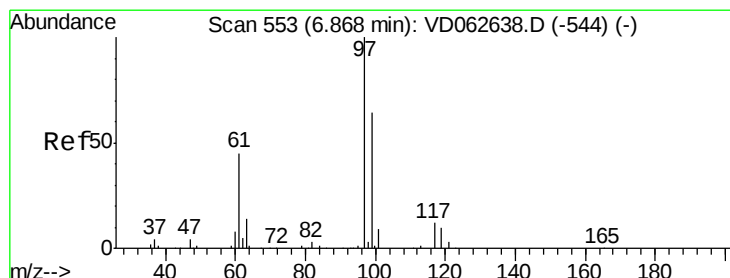
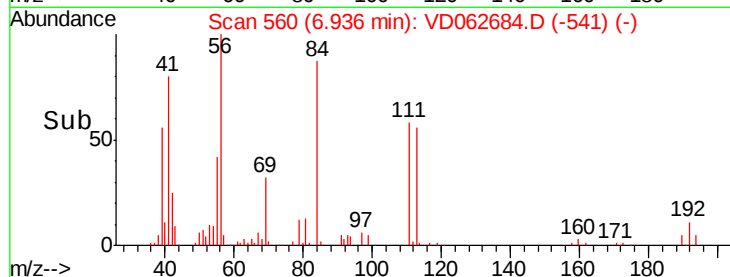
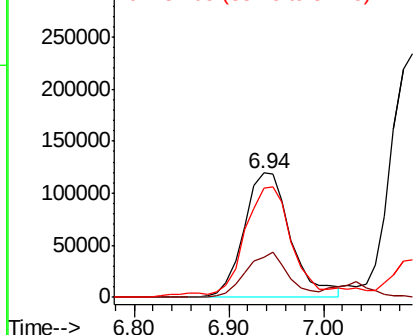
#31
Cyclohexane
Concen: 45.869 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 410117
Ion Ratio Lower Upper
56 100
69 32.2 26.8 40.2
84 87.4 73.9 110.9

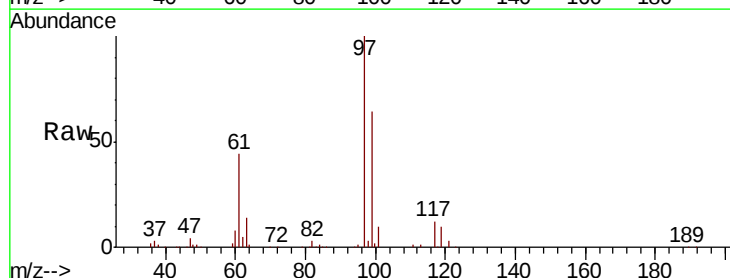


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

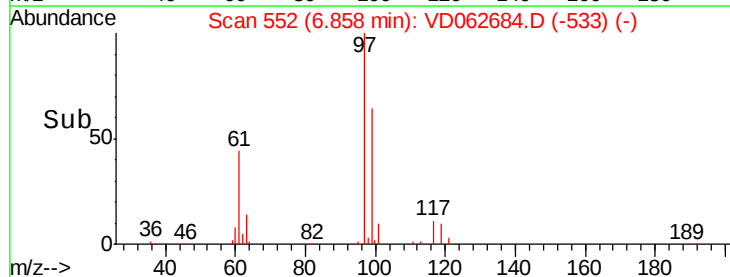
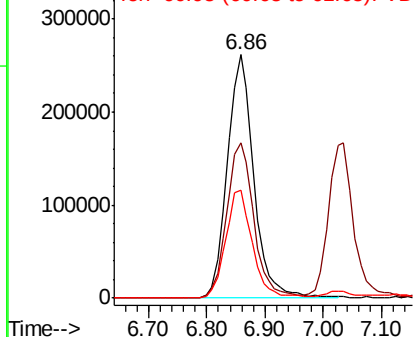


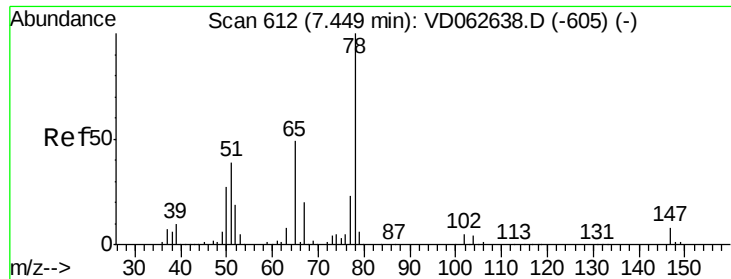
#32
1,1,1-Trichloroethane
Concen: 45.441 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 97 Resp: 826875
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.0
61 44.5 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: 50.323 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

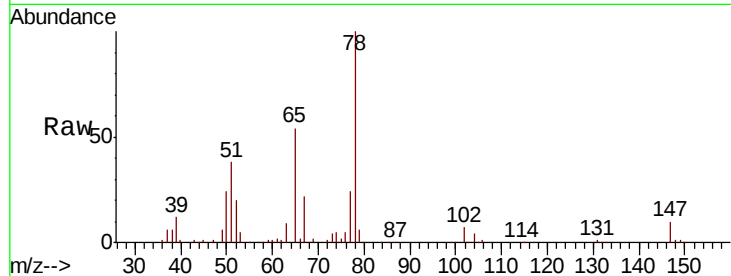
ClientSampleId :

Tot Ion: 65 Resp: 570144

Ion Ratio Lower Upper

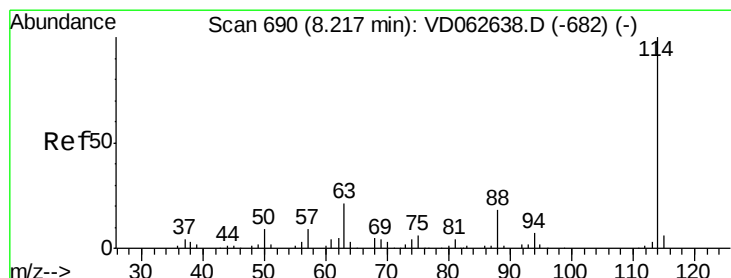
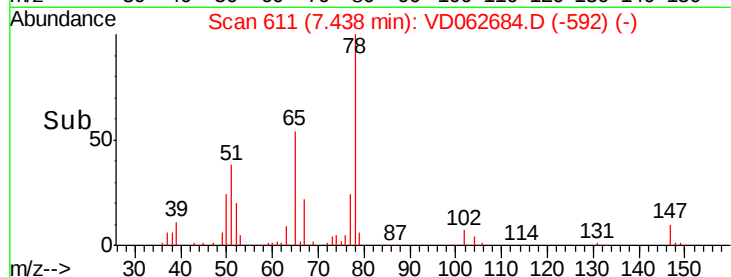
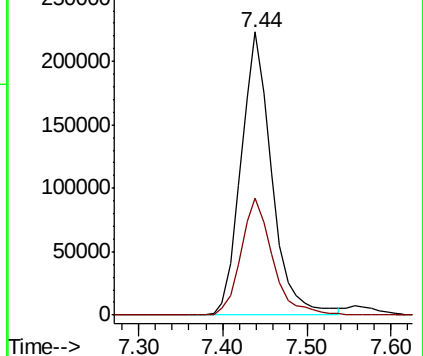
65 100

67 41.2 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

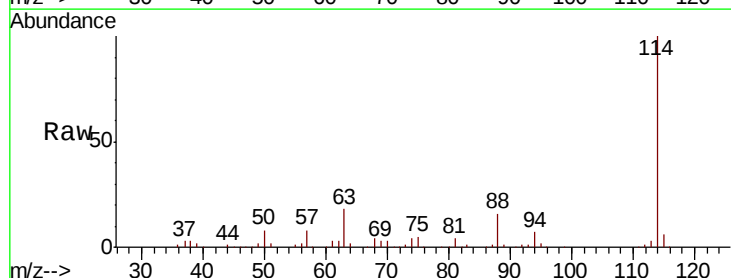
Tgt Ion: 114 Resp: 1101281

Ion Ratio Lower Upper

114 100

63 17.7 0.0 42.4

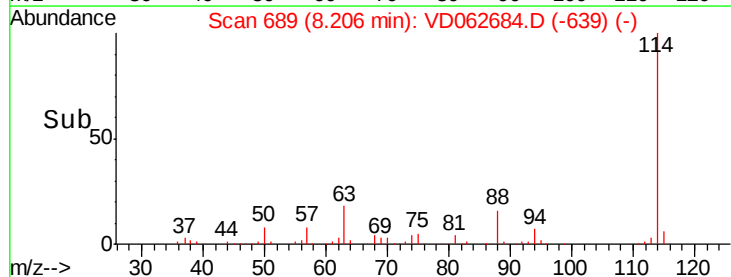
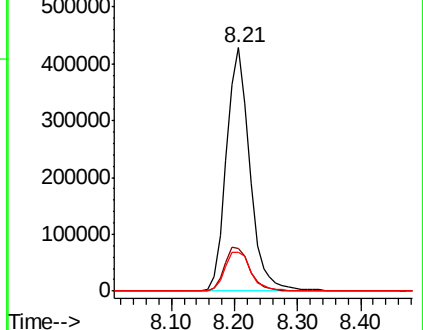
88 16.0 0.0 36.8

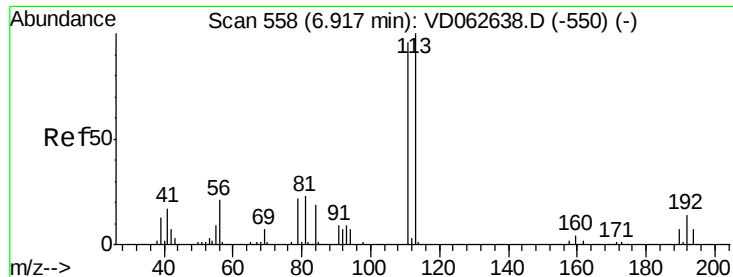


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.609 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :

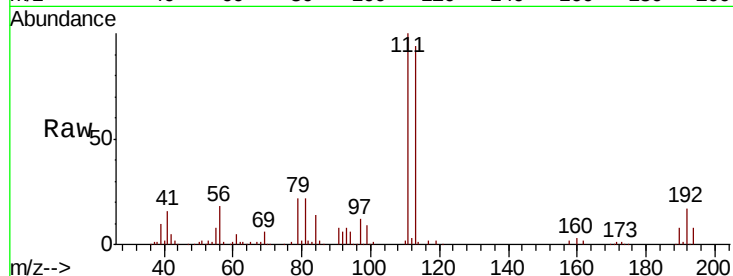
Tot Ion:113 Resp: 564573

Ion Ratio Lower Upper

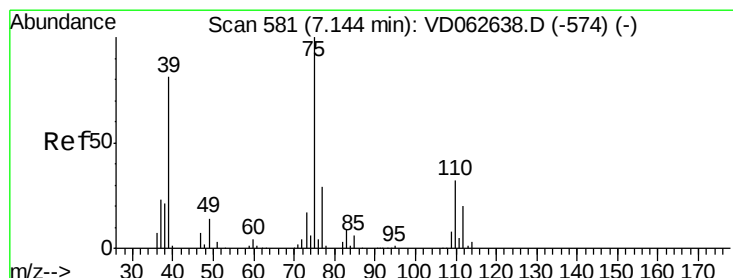
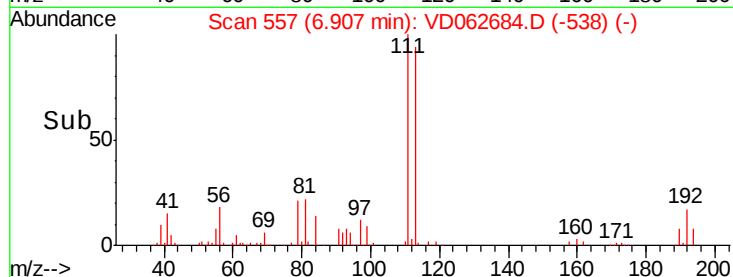
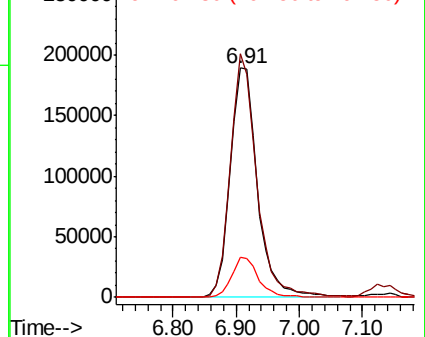
113 100

111 106.1 76.4 114.6

192 17.6 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: 42.985 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

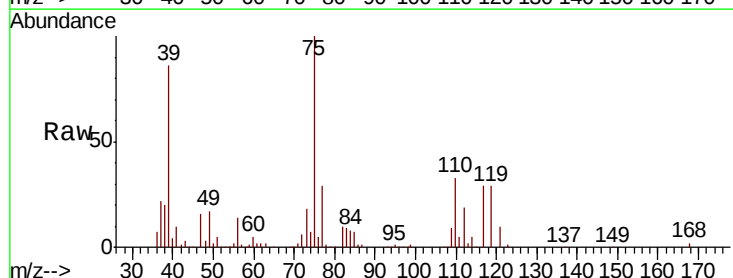
Tgt Ion: 75 Resp: 541795

Ion Ratio Lower Upper

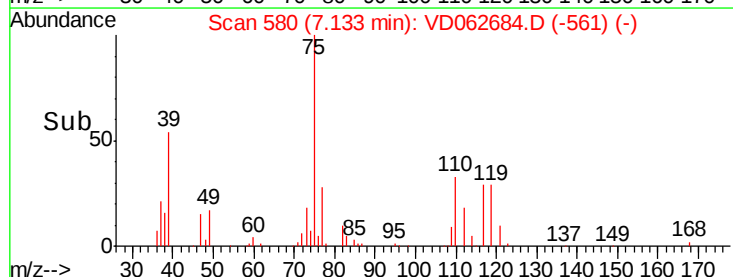
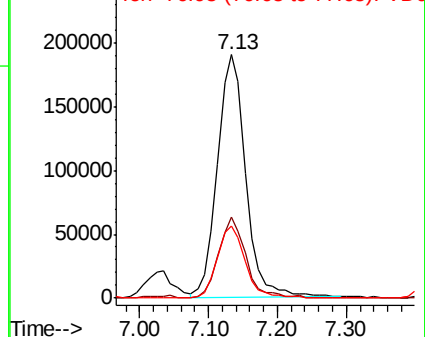
75 100

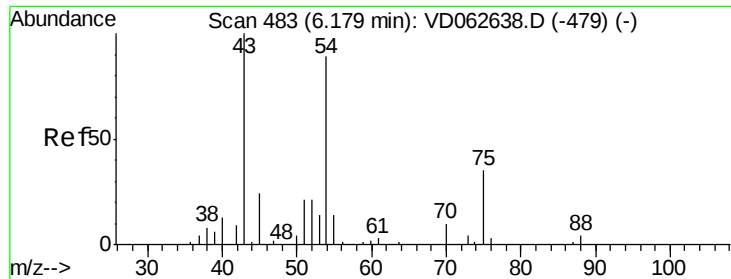
110 33.3 15.9 47.7

77 29.4 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

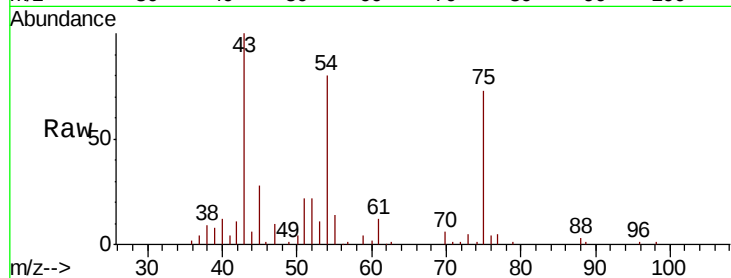




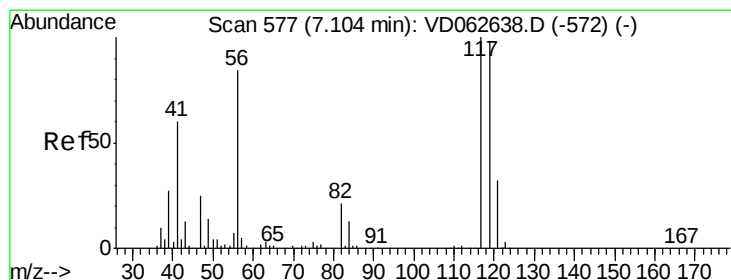
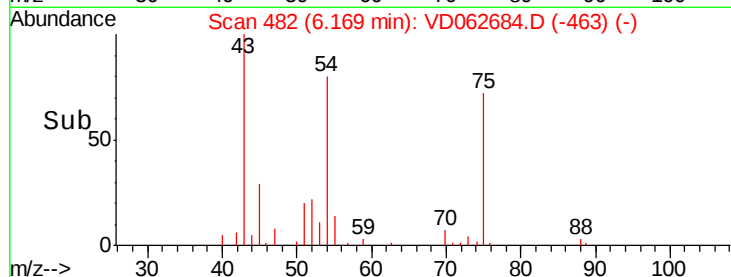
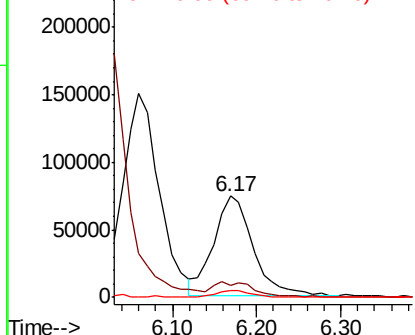
#37
Ethyl Acetate
Concen: 44.691 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 239473
Ion Ratio Lower Upper
43 100
61 12.0 8.7 13.1
70 6.5 6.5 9.7#

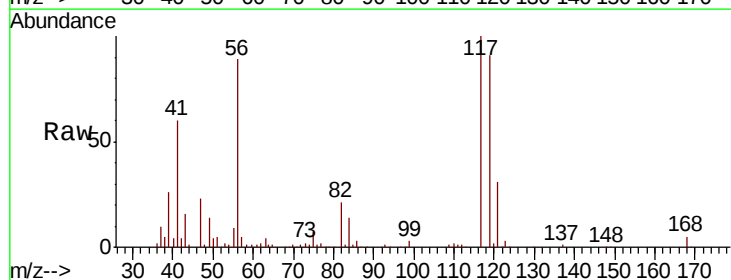


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

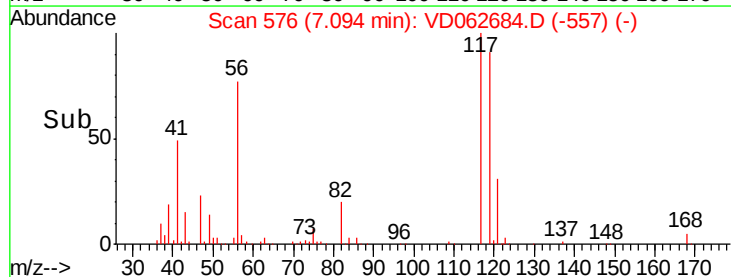
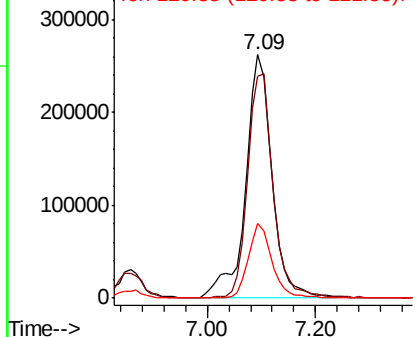


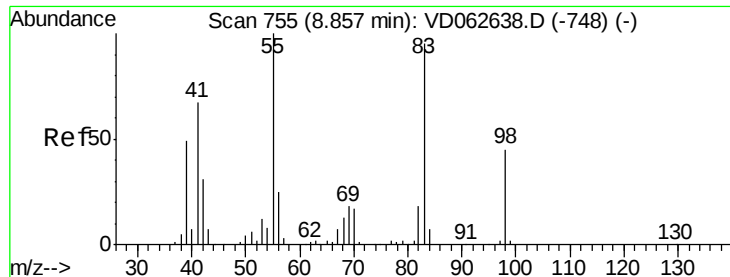
#38
Carbon Tetrachloride
Concen: 44.111 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 117 Resp: 878784
Ion Ratio Lower Upper
117 100
119 91.1 73.5 110.3
121 30.5 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

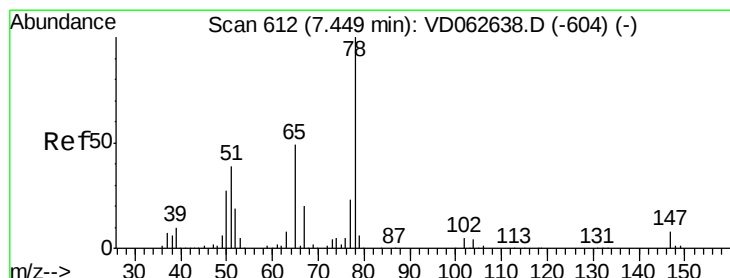
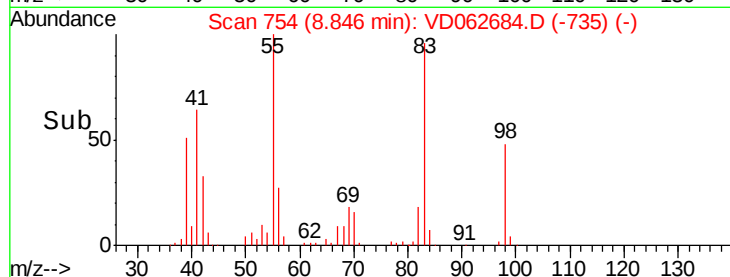
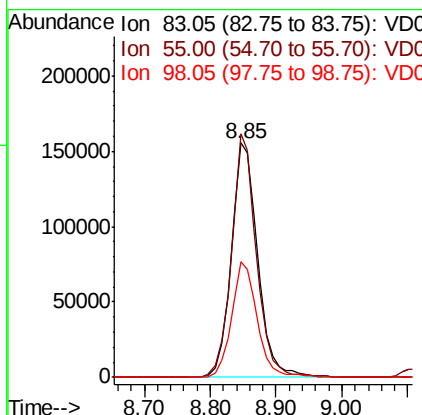
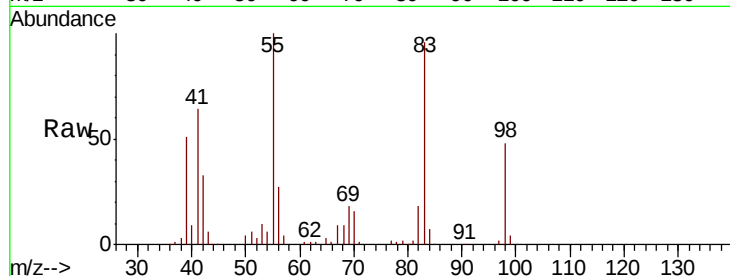




#39
Methvlcvclohexane
Concen: 42.720 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

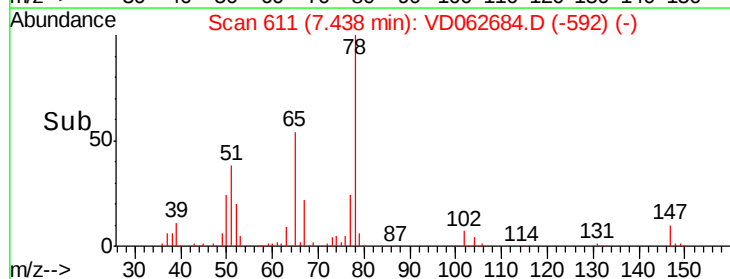
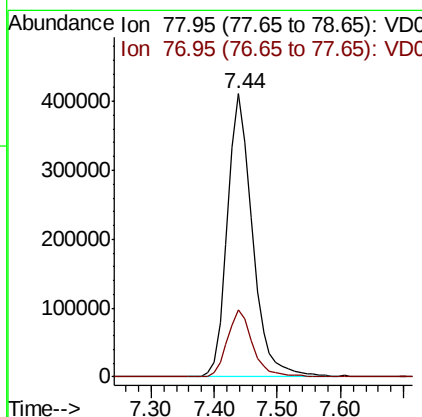
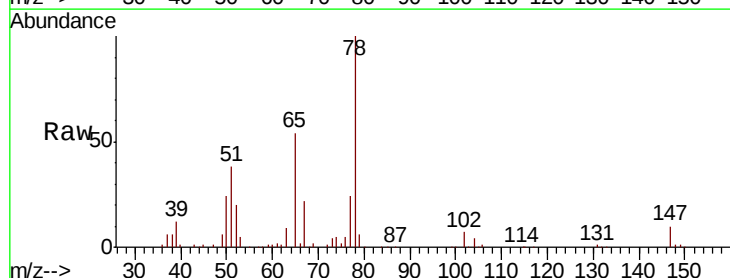
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 435119
Ion Ratio Lower Upper
83 100
55 103.8 84.6 127.0
98 49.5 38.2 57.4



#40
Benzene
Concen: 45.931 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 78 Resp: 1130565
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0

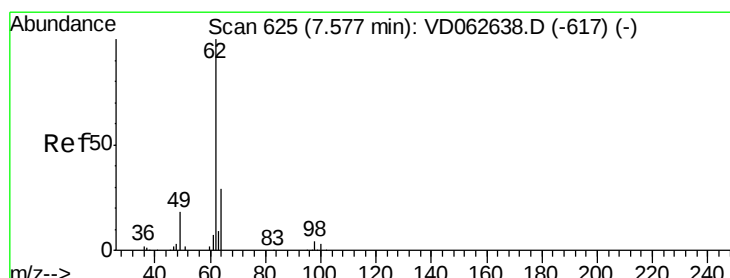
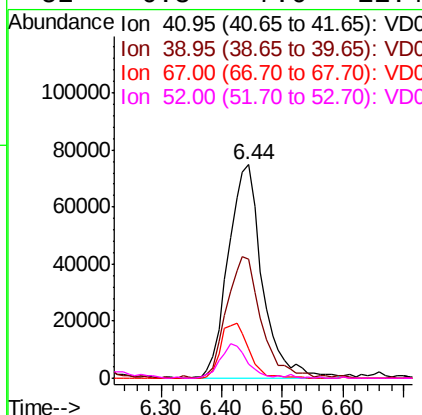
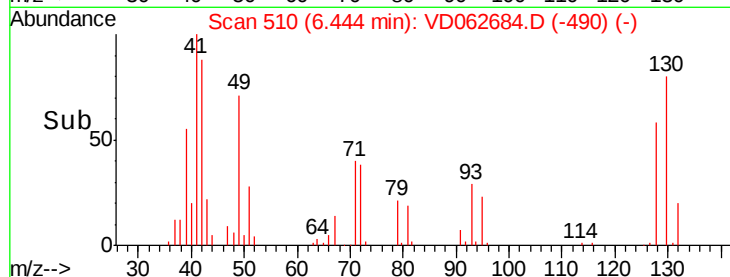
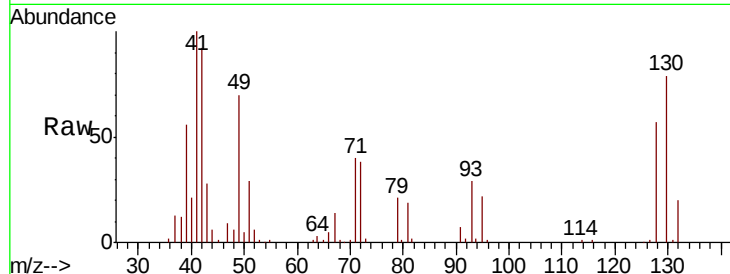




#41
Methacrylonitrile
Concen: 44.341 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

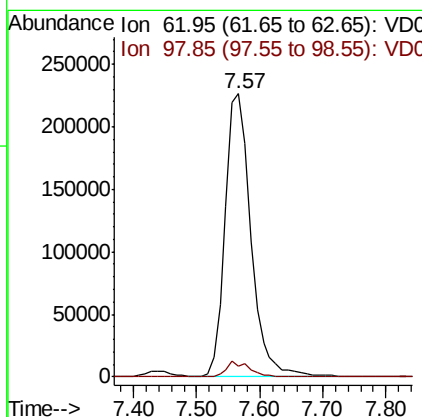
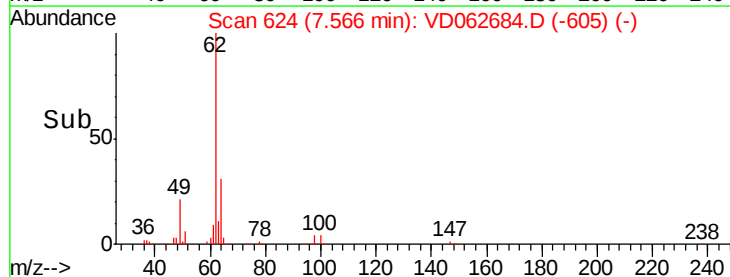
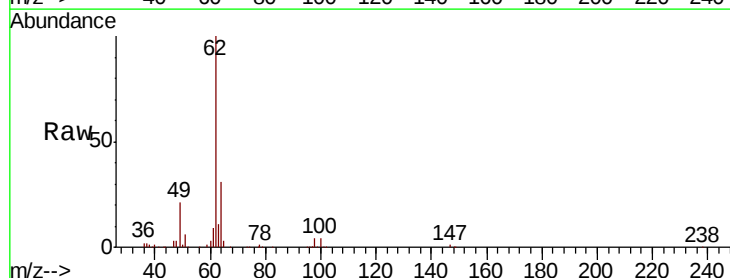
Instrument :
MSVOA_D
ClientSampleId :

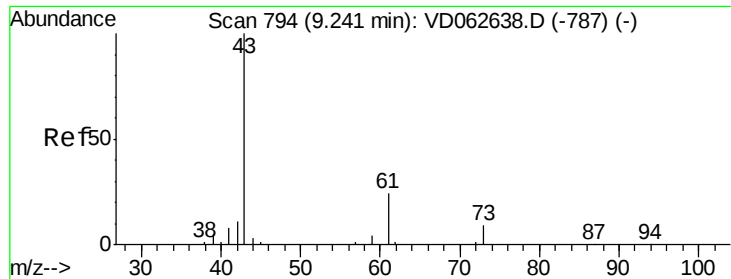
Tot Ion: 41 Resp: 292558
Ion Ratio Lower Upper
41 100
39 55.9 49.2 73.8
67 13.7 13.9 20.9#
52 6.3 7.6 11.4#



#42
1,2-Dichloroethane
Concen: 43.599 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 62 Resp: 639651
Ion Ratio Lower Upper
62 100
98 3.9 0.0 7.4





#43

Isopropyl Acetate

Concen: 46.415 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

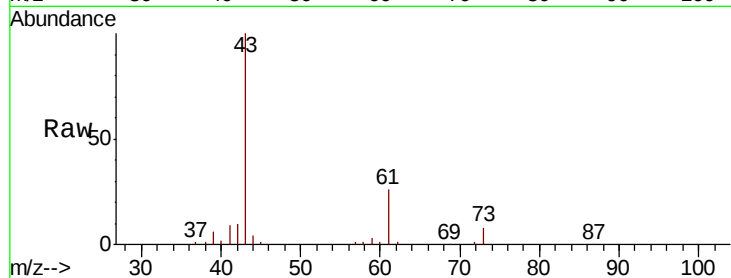
Tot Ion: 43 Resp: 308684

Ion Ratio Lower Upper

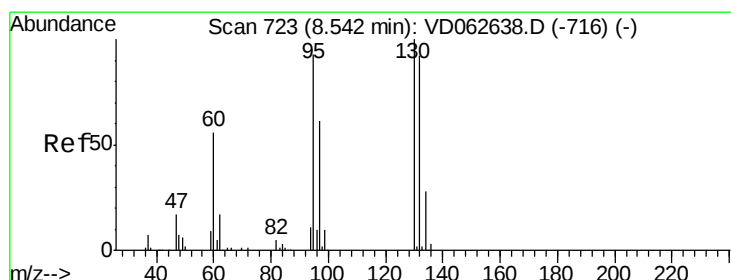
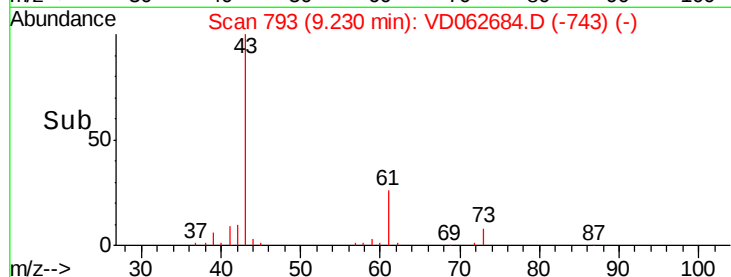
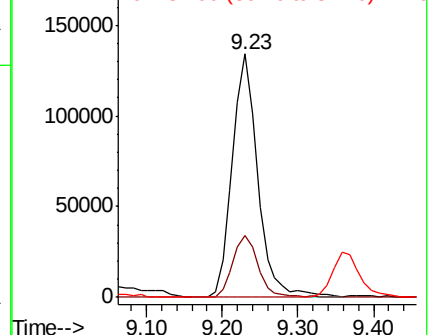
43 100

61 25.5 19.0 28.6

87 0.4 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: 45.749 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.02 min

Lab File: VD062684.D

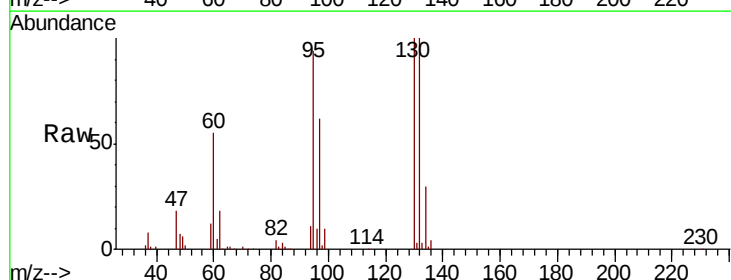
Acq: 12 Jun 2019 19:46

Tgt Ion:130 Resp: 457163

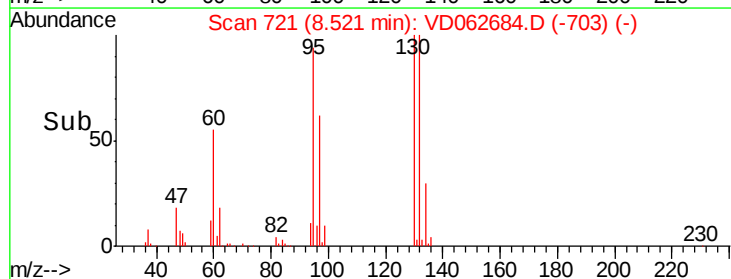
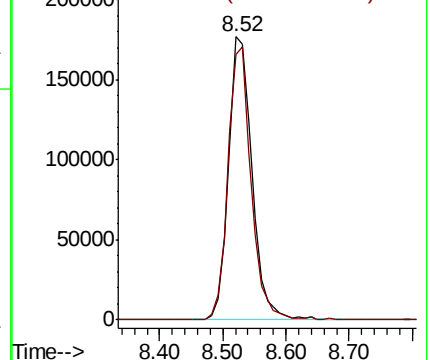
Ion Ratio Lower Upper

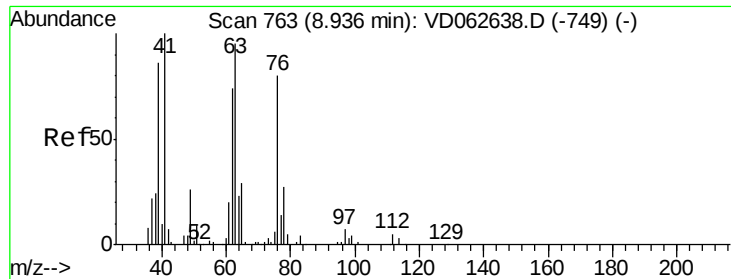
130 100

95 94.0 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: 44.322 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

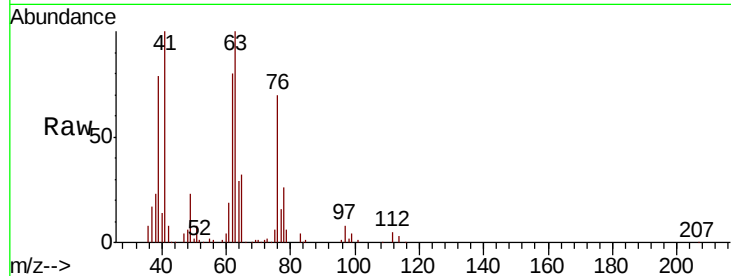
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 63 Resp: 262050

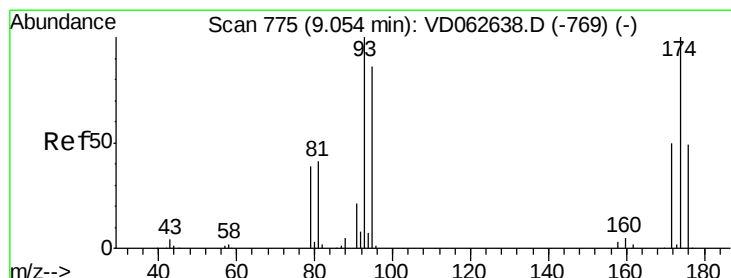
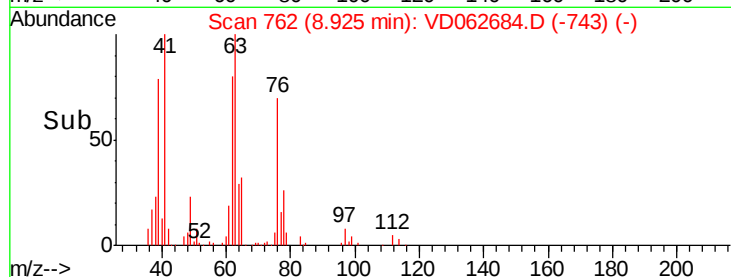
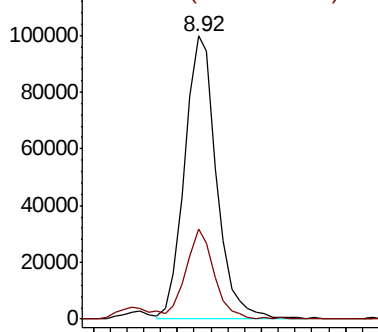
Ion Ratio Lower Upper

63 100

65 31.6 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: 46.847 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

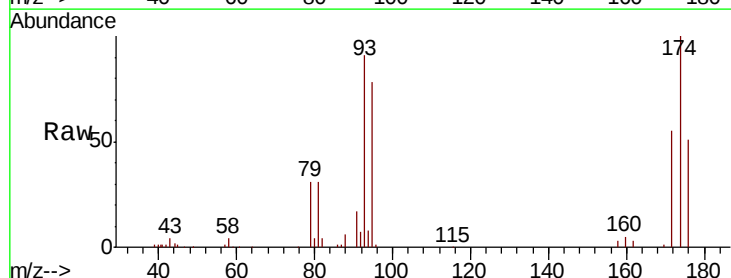
Tgt Ion: 93 Resp: 245856

Ion Ratio Lower Upper

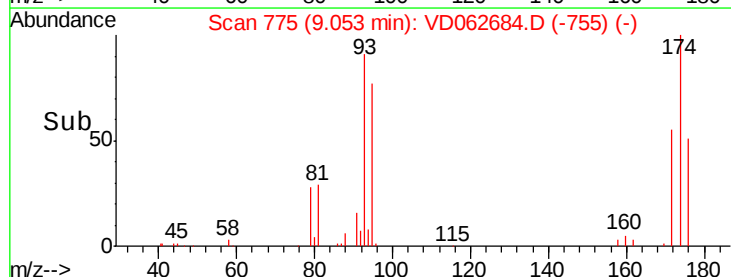
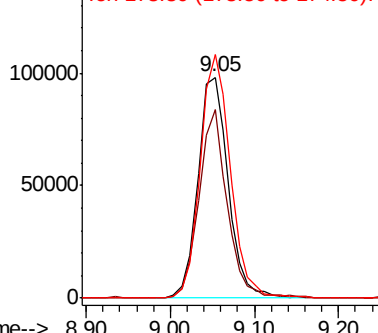
93 100

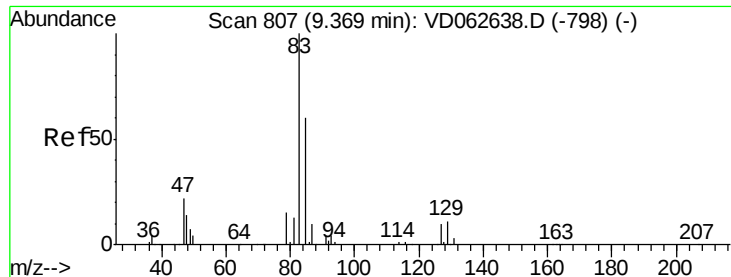
95 85.5 68.7 103.1

174 110.1 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: 45.932 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

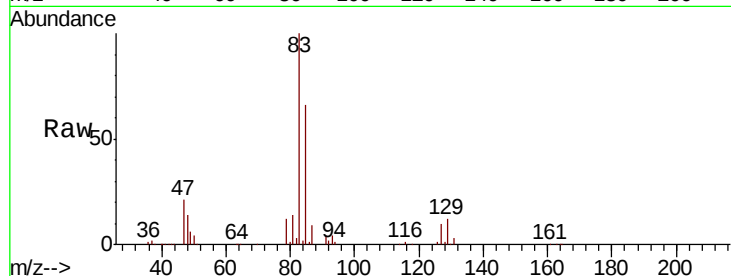
Tot Ion: 83 Resp: 655743

Ion Ratio Lower Upper

83 100

85 66.3 47.9 71.9

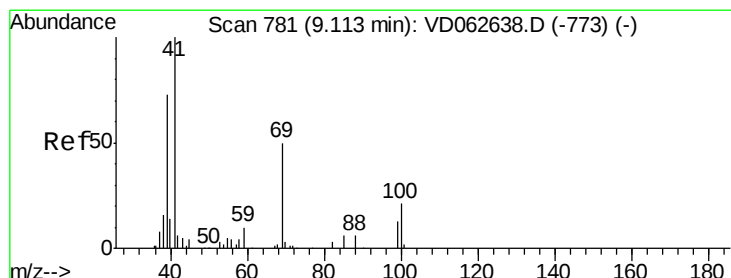
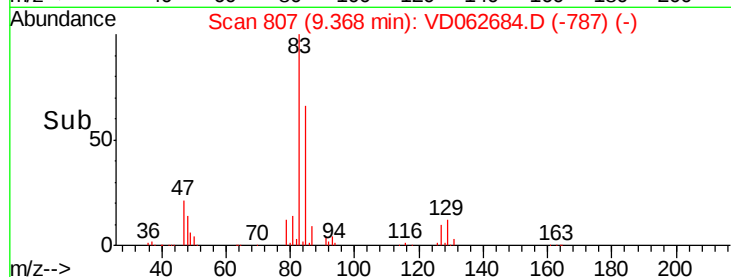
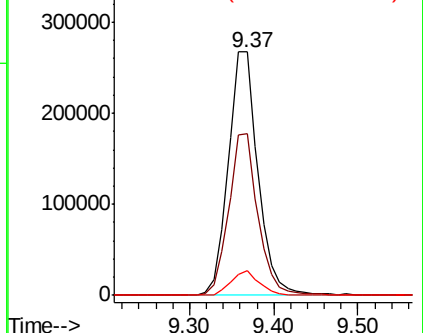
127 10.2 8.2 12.4



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: 45.432 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

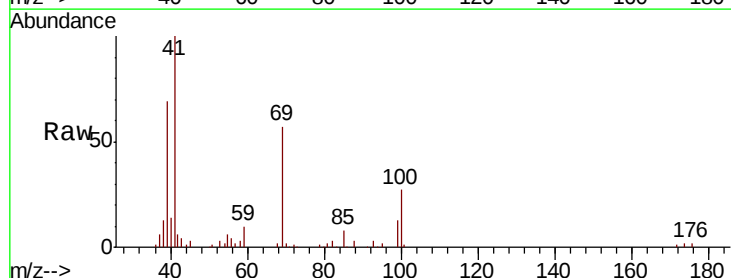
Tgt Ion: 41 Resp: 218282

Ion Ratio Lower Upper

41 100

69 56.8 39.8 59.6

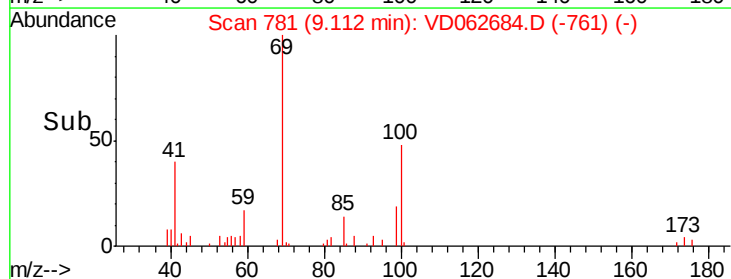
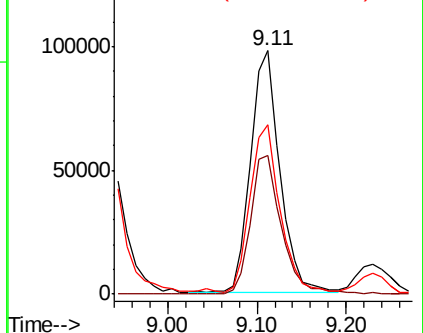
39 69.5 59.1 88.7

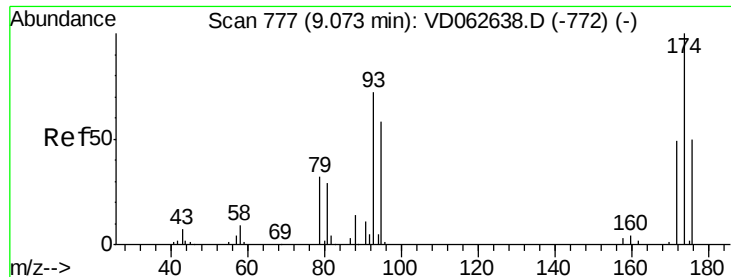


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

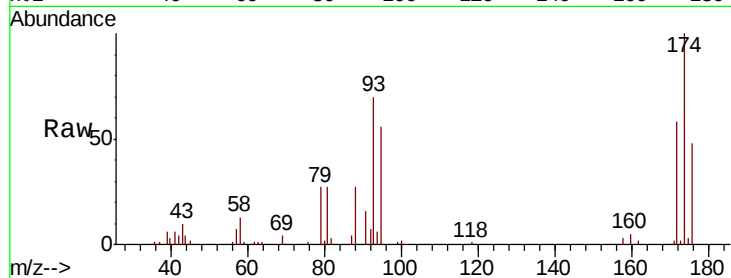




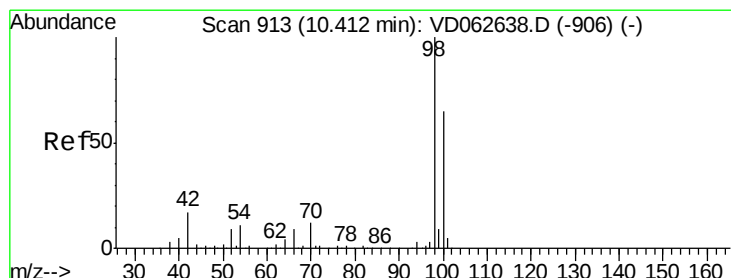
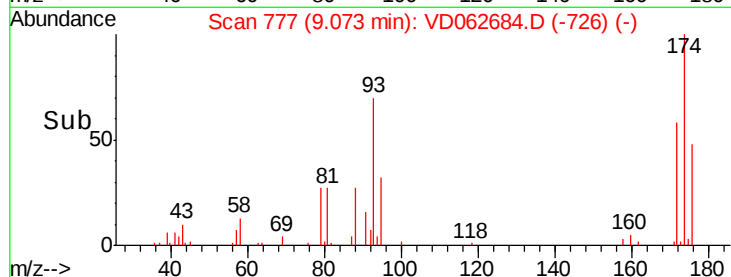
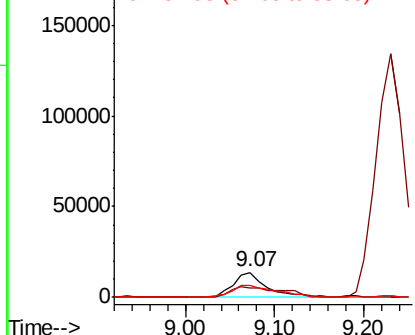
#49
1,4-Dioxane
Concen: 849.158 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 36162
Ion Ratio Lower Upper
88 100
43 37.0 40.7 61.1#
58 48.9 54.2 81.4#

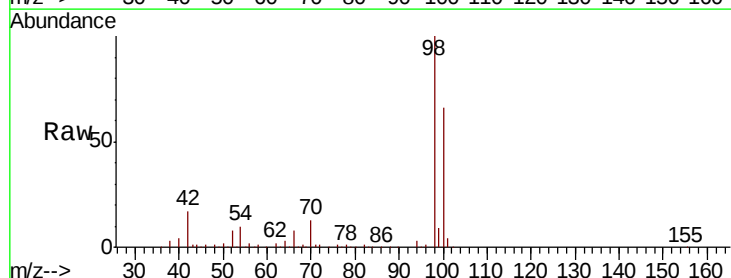


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

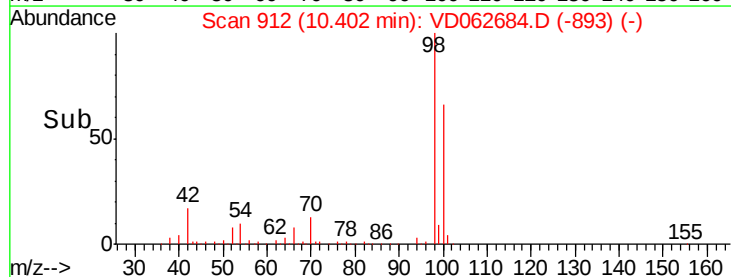
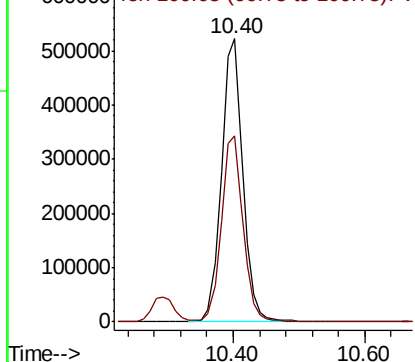


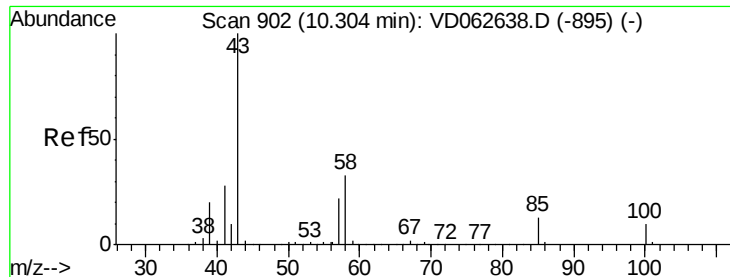
#50
Toluene-d8
Concen: 48.368 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 98 Resp: 1181767
Ion Ratio Lower Upper
98 100
100 65.9 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: 236.900 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

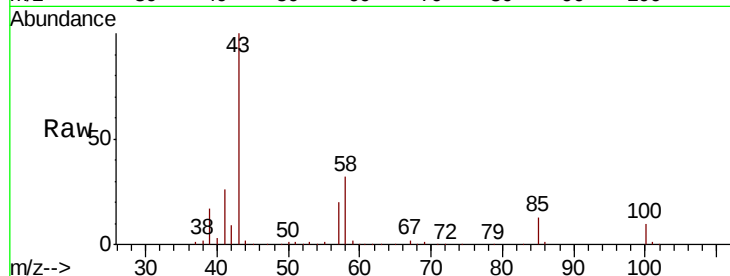
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1102411

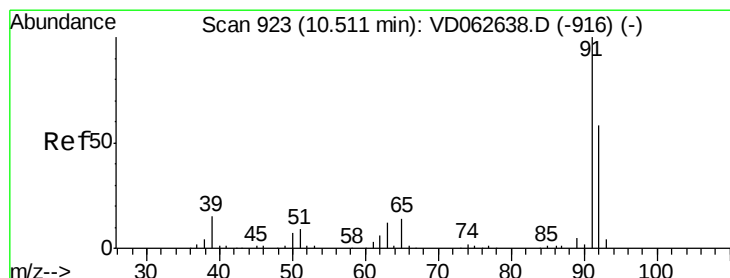
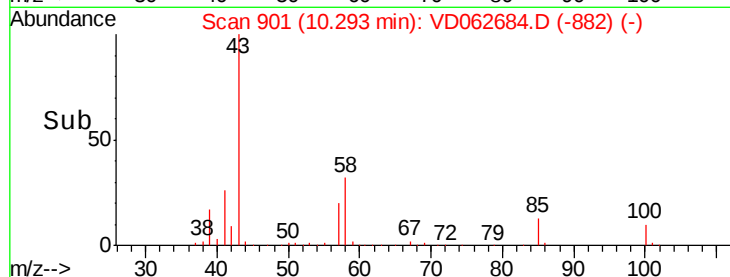
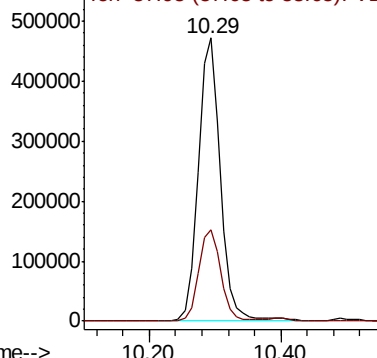
Ion Ratio Lower Upper

43 100

58 32.2 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: 45.082 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062684.D

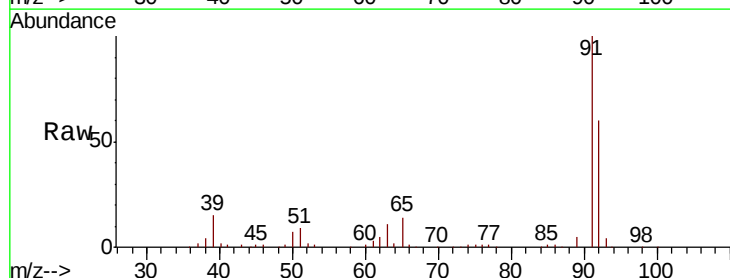
Acq: 12 Jun 2019 19:46

Tgt Ion: 92 Resp: 745913

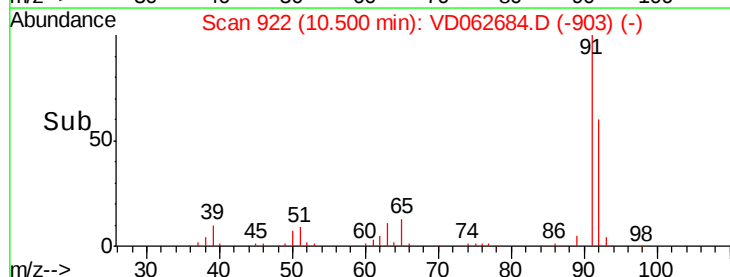
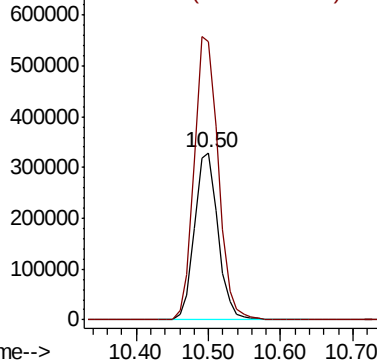
Ion Ratio Lower Upper

92 100

91 166.3 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

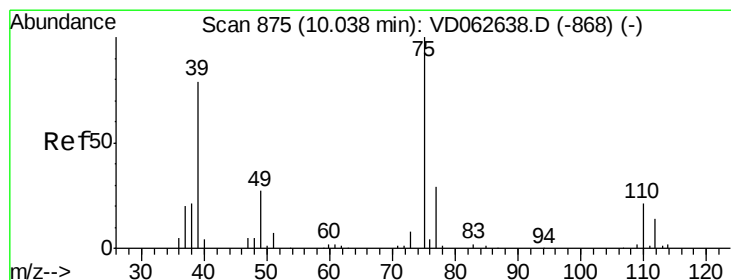
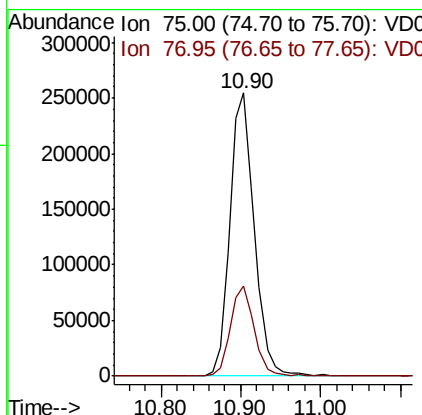
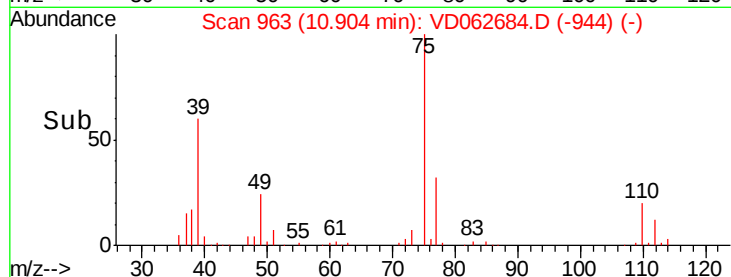
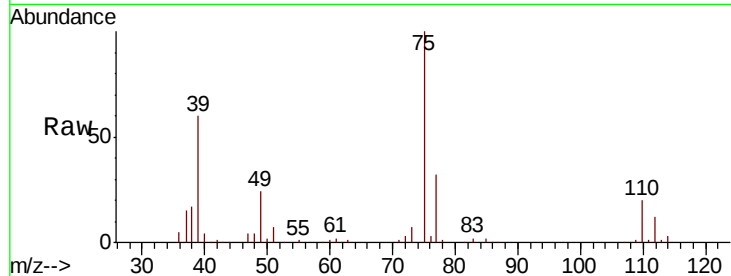




#53
 t-1,3-Dichloropropene
 Concen: 46.618 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

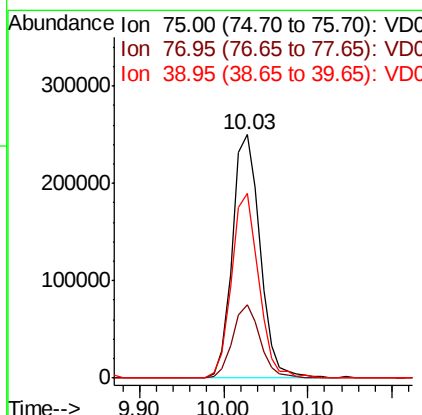
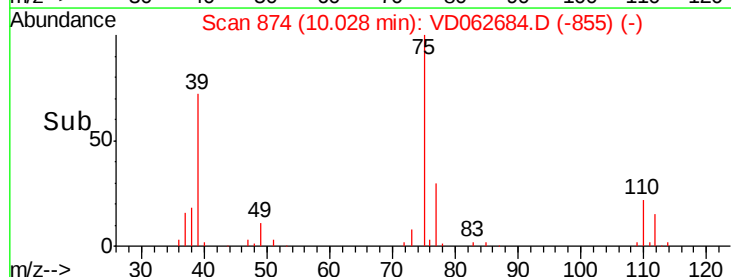
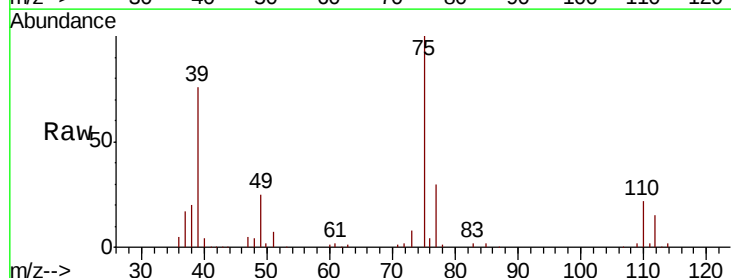
Instrument :
 MSVOA_D
 ClientSampled :

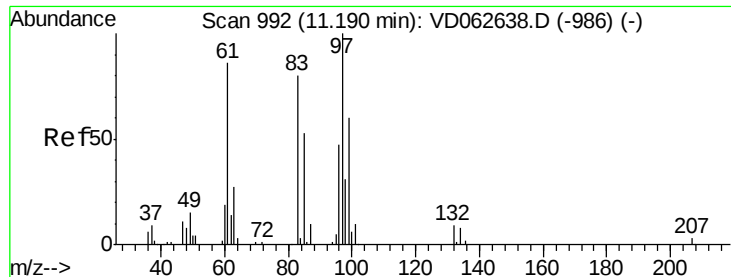
Tot Ion: 75 Resp: 545663
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 47.251 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion: 75 Resp: 571622
 Ion Ratio Lower Upper
 75 100
 77 30.2 23.1 34.7
 39 75.8 63.4 95.2

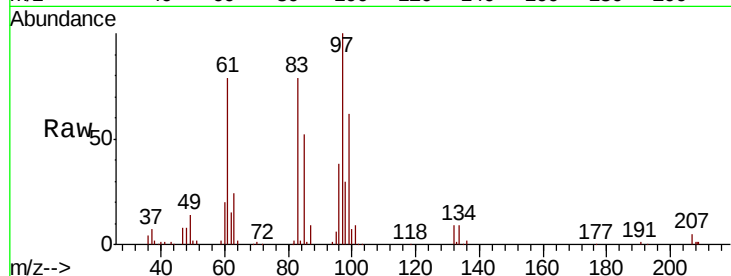




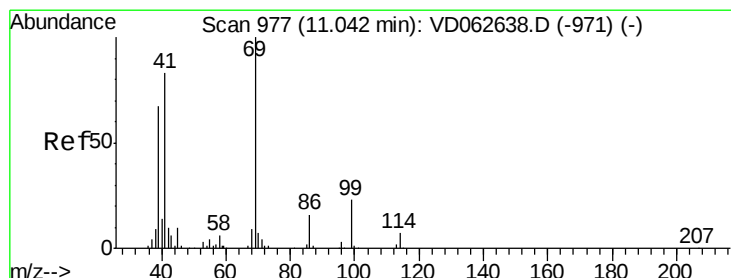
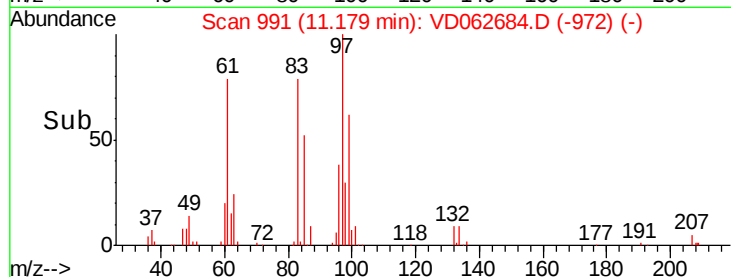
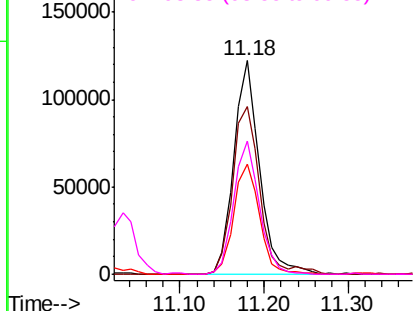
#55
 1,1,2-Trichloroethane
 Concen: 45.804 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	259898
Ion	Ratio	Lower	Upper
97	100		
83	78.6	63.8	95.8
85	51.8	42.3	63.5
99	62.2	48.0	72.0

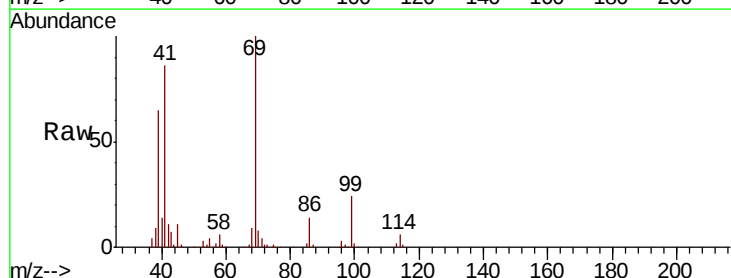


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

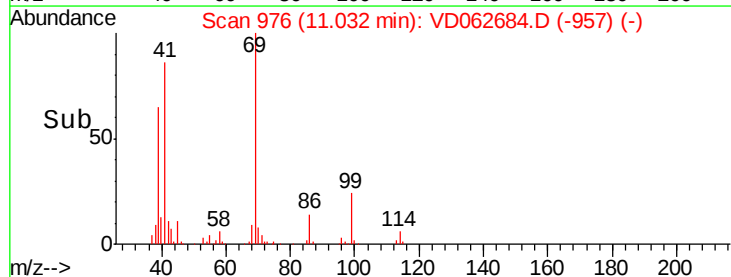
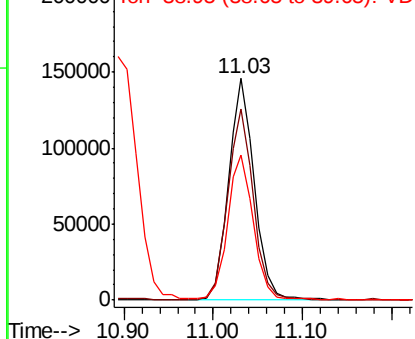


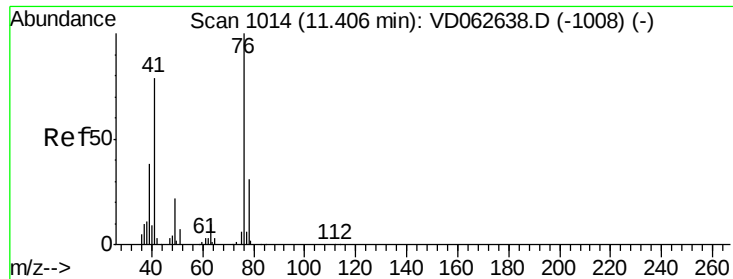
#56
 Ethyl methacrylate
 Concen: 43.602 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion:	69	Resp:	294353
Ion	Ratio	Lower	Upper
69	100		
41	86.2	66.2	99.4
39	65.3	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

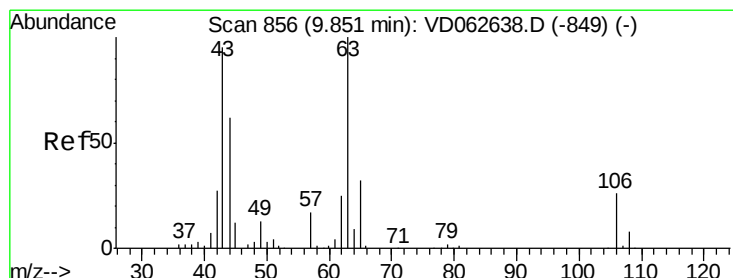
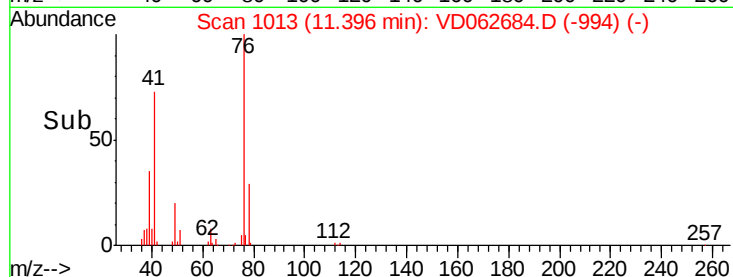
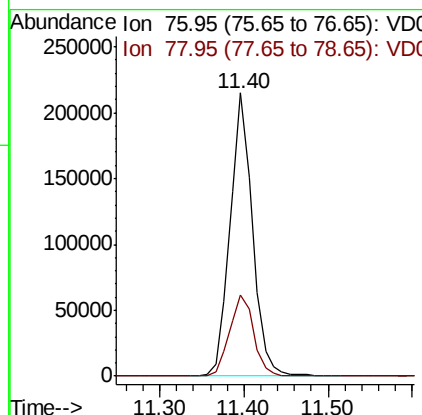
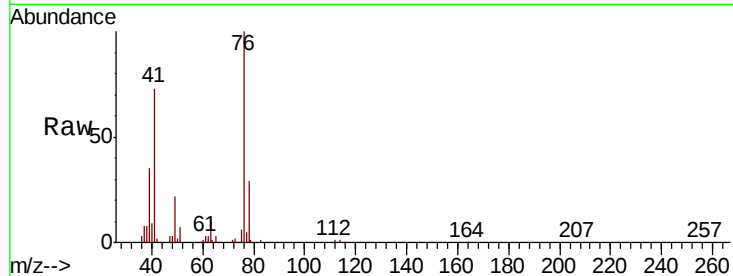




#57
 1,3-Dichloropropane
 Concen: 44.995 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

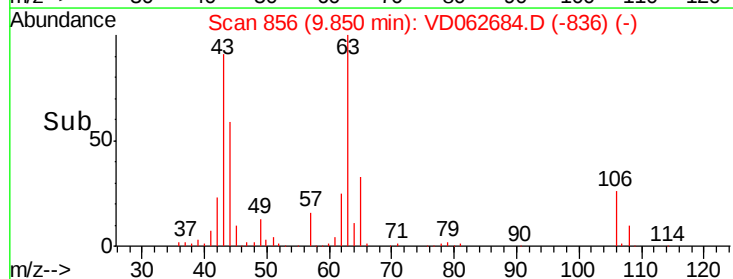
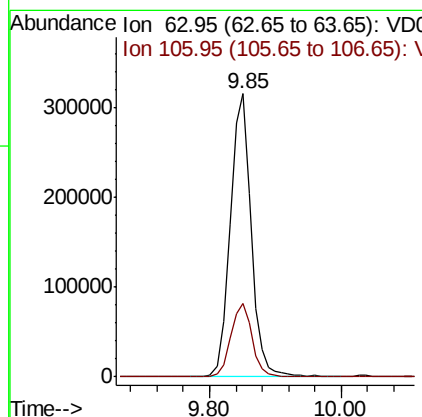
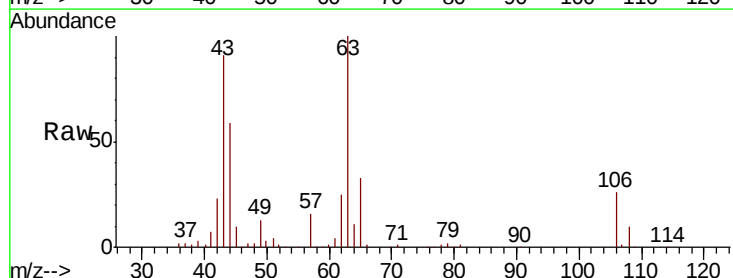
Instrument :
 MSVOA_D
 ClientSampleId :

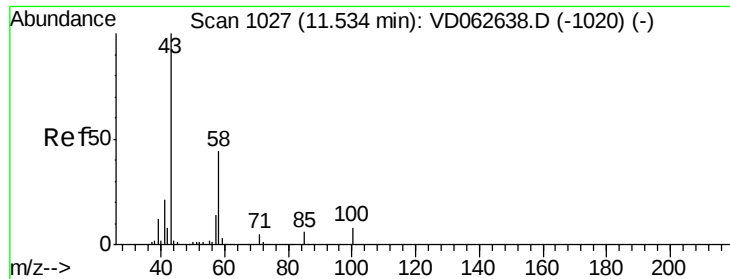
Tot Ion: 76 Resp: 395711
 Ion Ratio Lower Upper
 76 100
 78 28.6 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.015 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion: 63 Resp: 703632
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.5 30.7

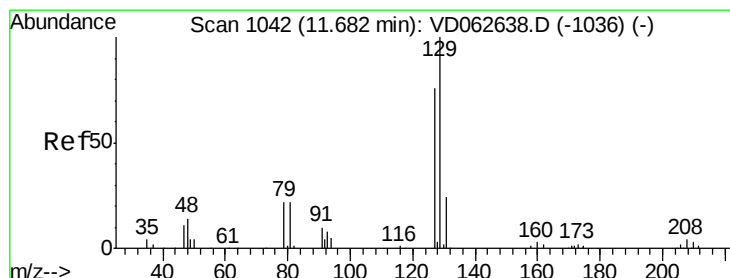
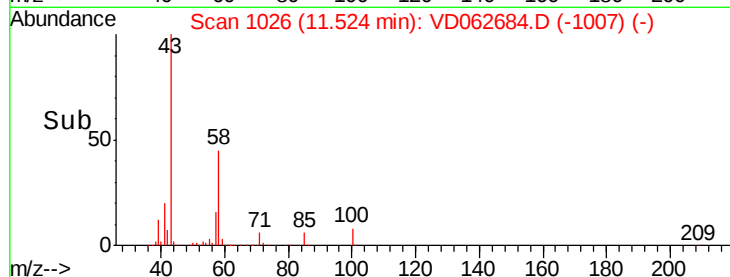
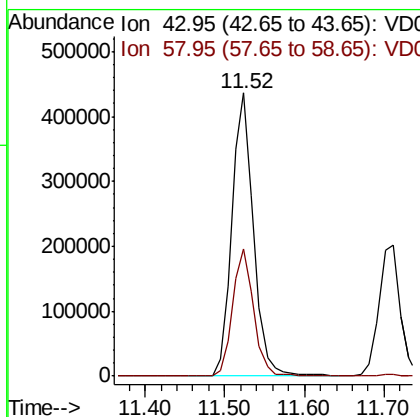
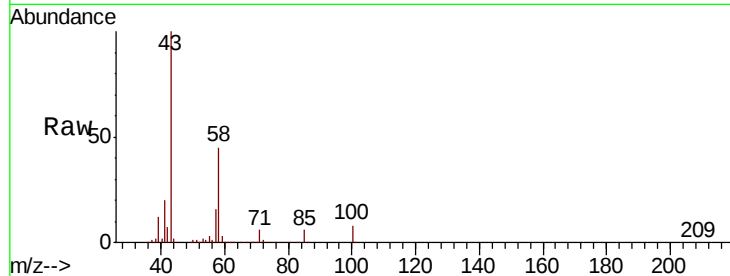




#59
2-Hexanone
Concen: 239.353 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

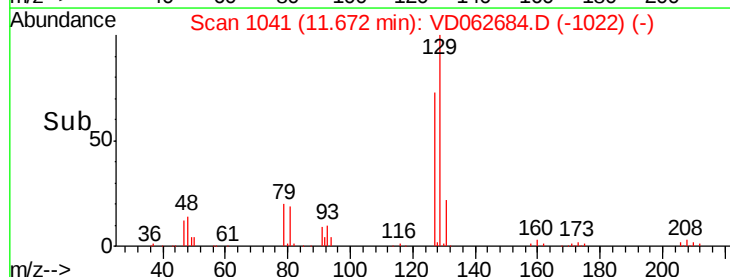
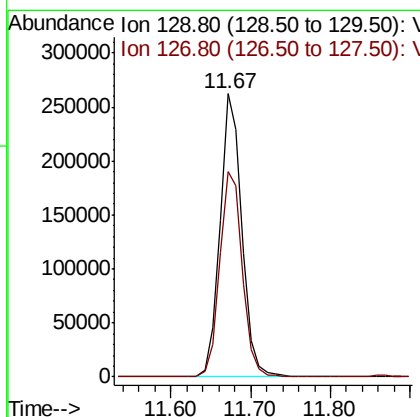
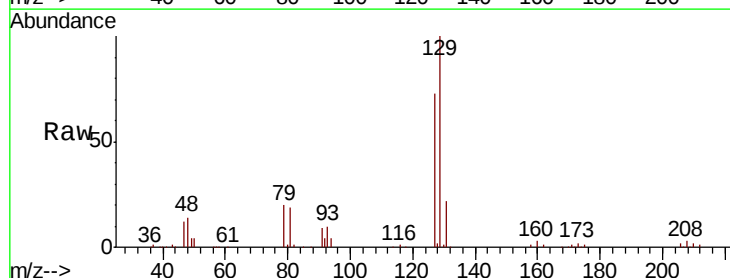
Instrument :
MSVOA_D
ClientSampled :

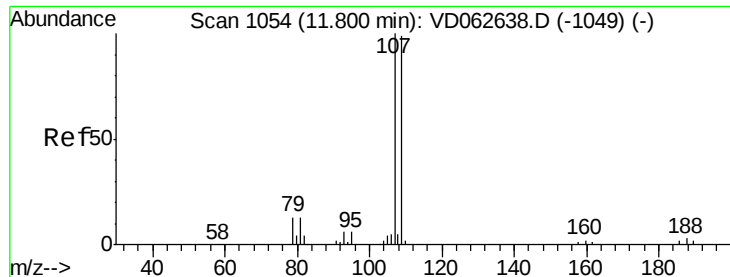
Tot Ion: 43 Resp: 828529
Ion Ratio Lower Upper
43 100
58 44.8 21.8 65.4



#60
Dibromochloromethane
Concen: 45.153 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 129 Resp: 505754
Ion Ratio Lower Upper
129 100
127 72.6 38.0 114.1

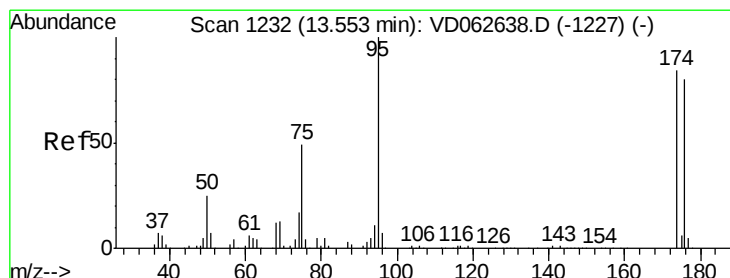
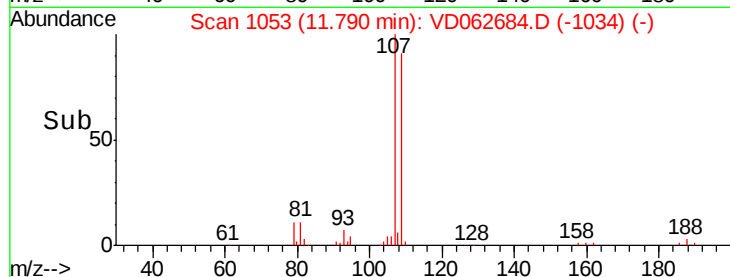
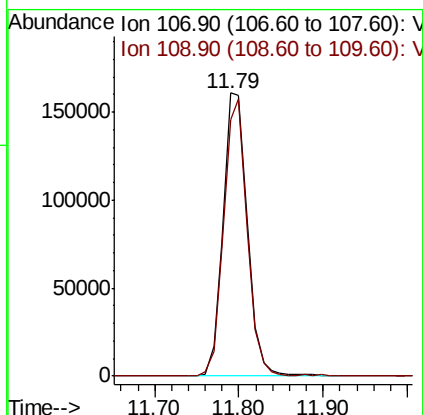
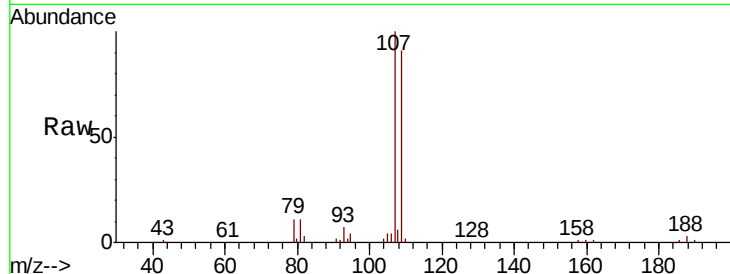




#61
 1,2-Dibromoethane
 Concen: 47.637 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

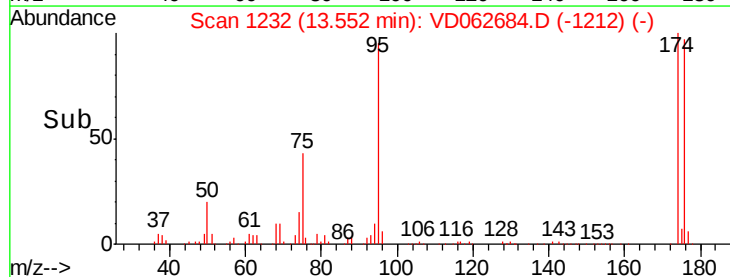
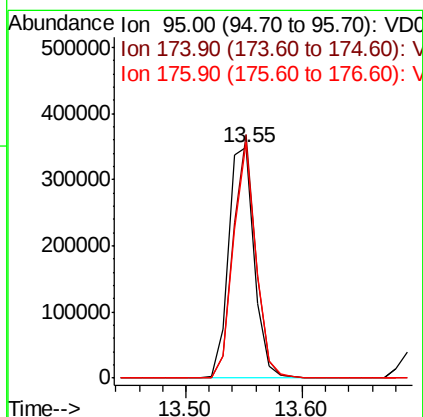
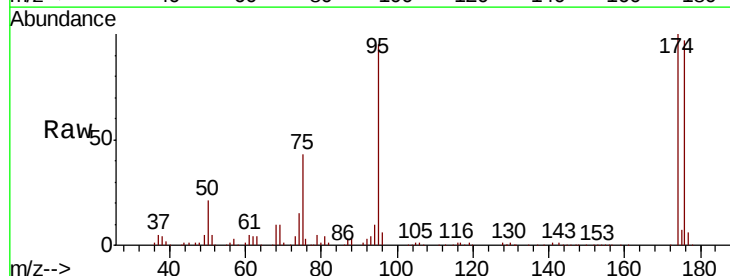
Instrument :
 MSVOA_D
 ClientSampleId :

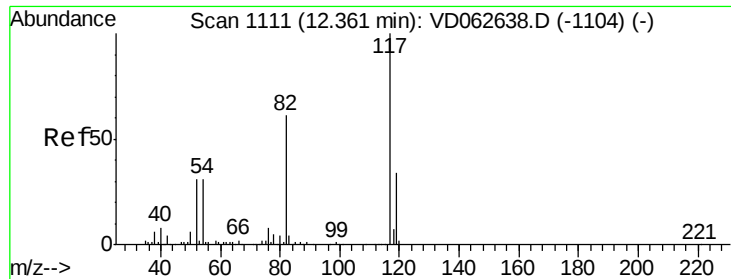
Tot Ion:107 Resp: 323505
 Ion Ratio Lower Upper
 107 100
 109 90.8 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 46.953 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion: 95 Resp: 535205
 Ion Ratio Lower Upper
 95 100
 174 105.8 0.0 167.0
 176 102.4 0.0 159.2

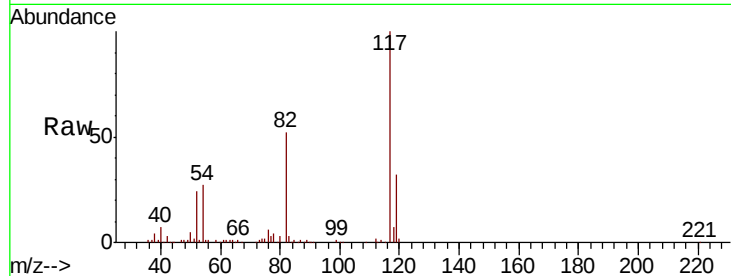




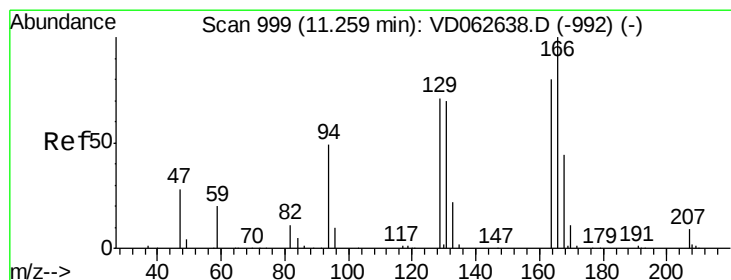
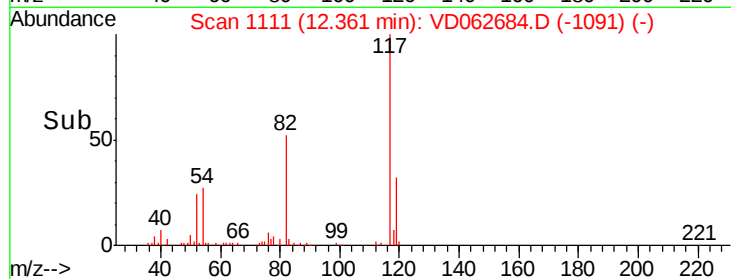
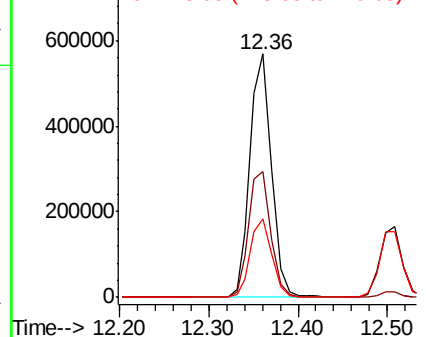
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 950549
Ion Ratio Lower Upper
117 100
82 51.7 48.7 73.1
119 32.3 27.0 40.6

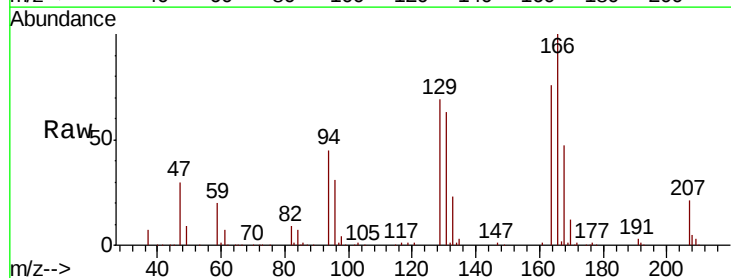


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

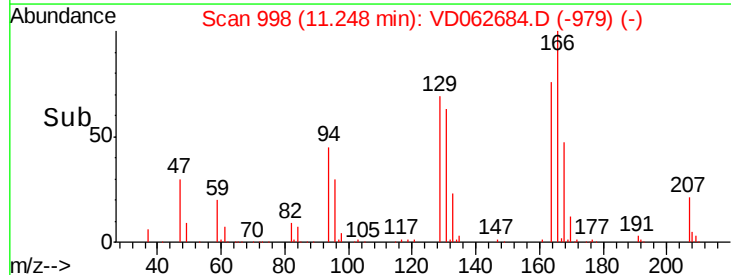
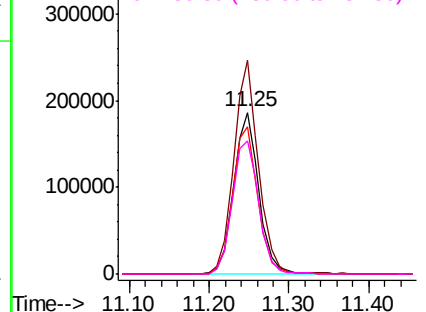


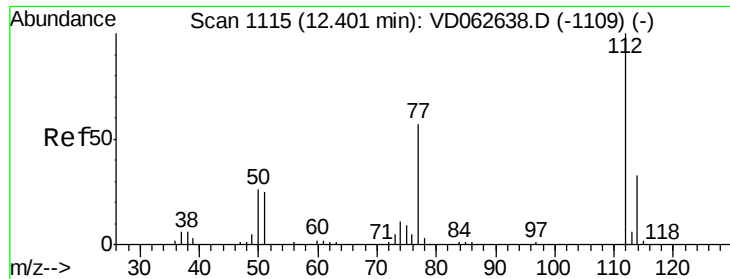
#64
Tetrachloroethene
Concen: 45.952 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion:164 Resp: 408886
Ion Ratio Lower Upper
164 100
166 132.0 99.4 149.2
129 90.9 70.2 105.4
131 82.7 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

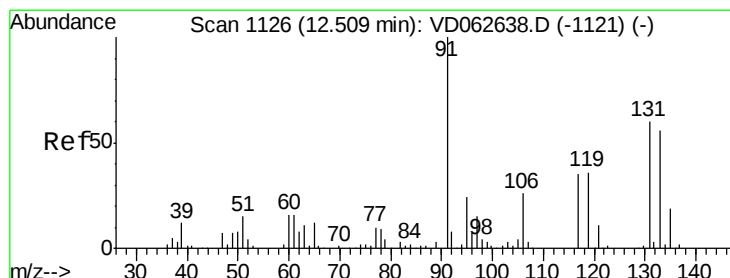
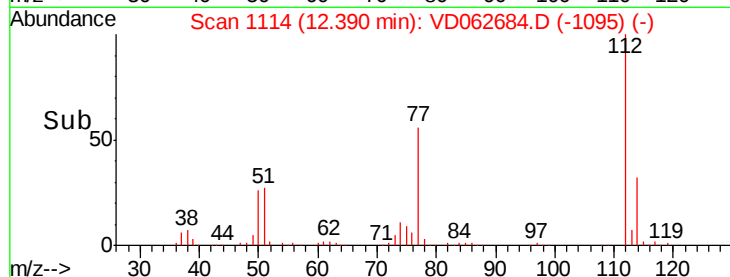
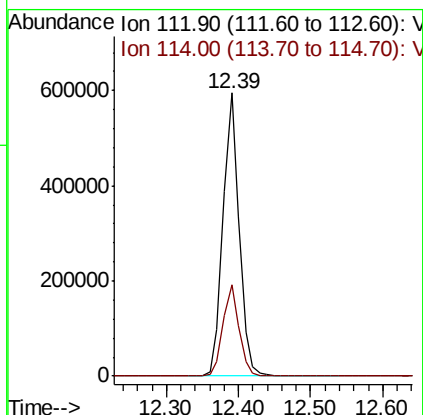
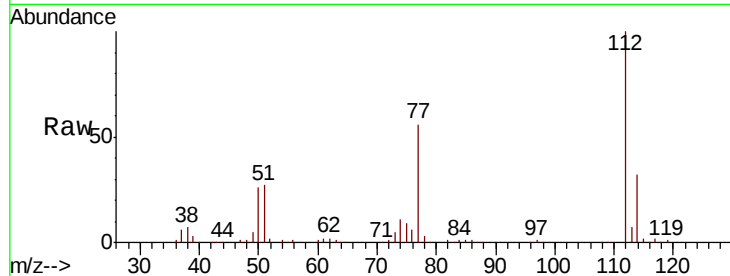




#65
Chlorobenzene
Concen: 43.731 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

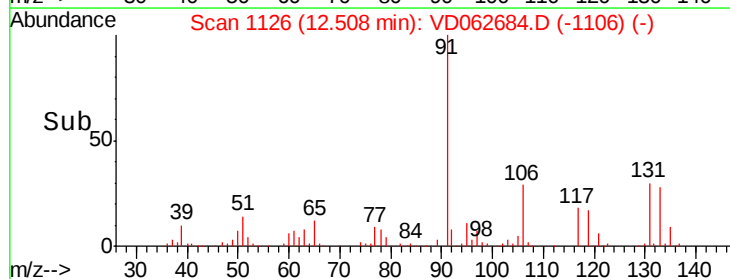
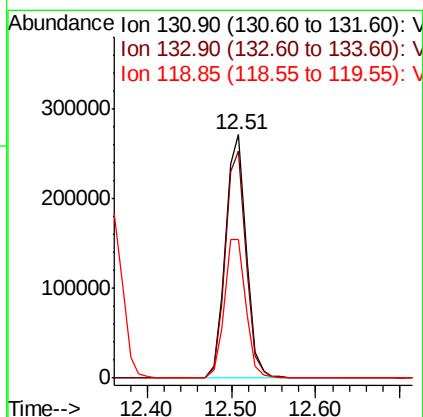
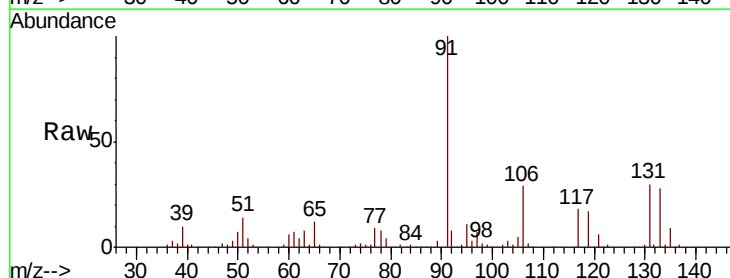
Instrument :
MSVOA_D
ClientSampleId :

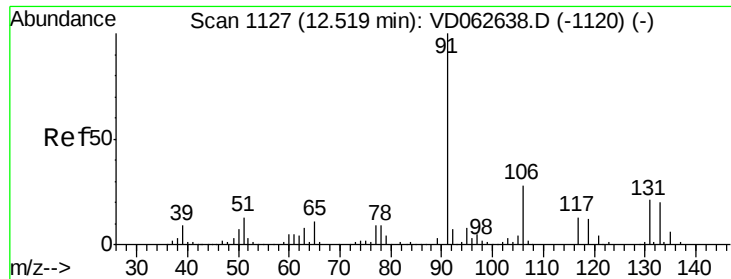
Tot Ion:112 Resp: 919483
Ion Ratio Lower Upper
112 100
114 32.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 46.320 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion:131 Resp: 464488
Ion Ratio Lower Upper
131 100
133 93.4 46.8 140.3
119 56.8 29.9 89.8

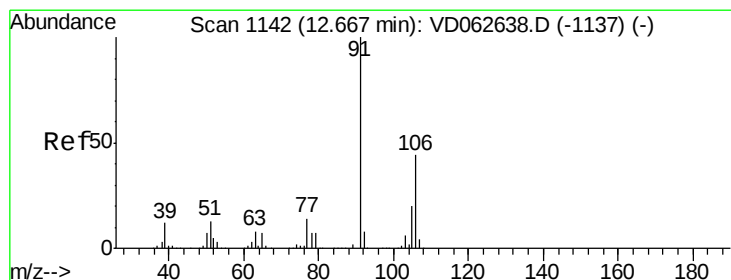
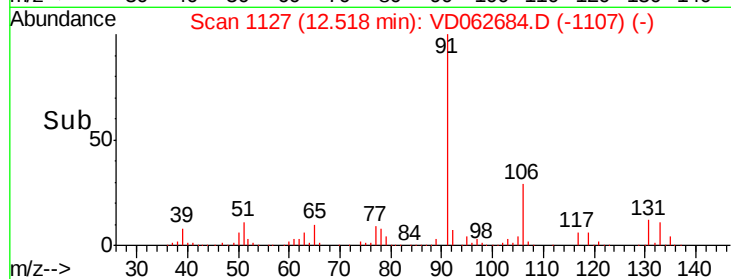
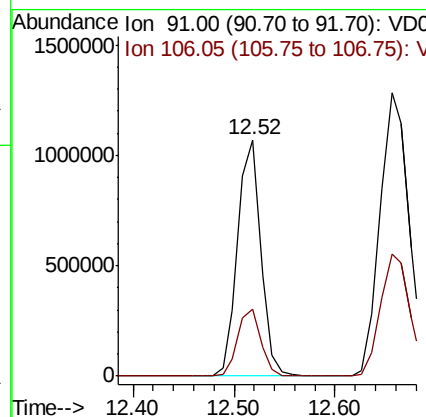
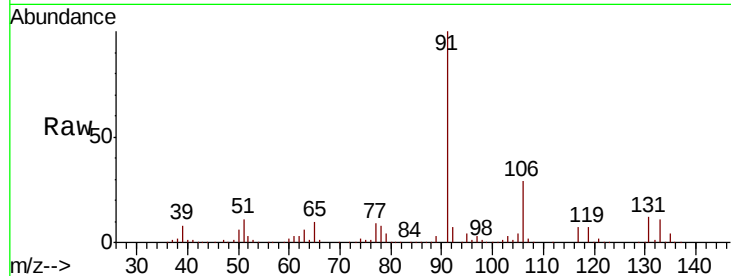




#67
Ethyl Benzene
Concen: 45.874 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

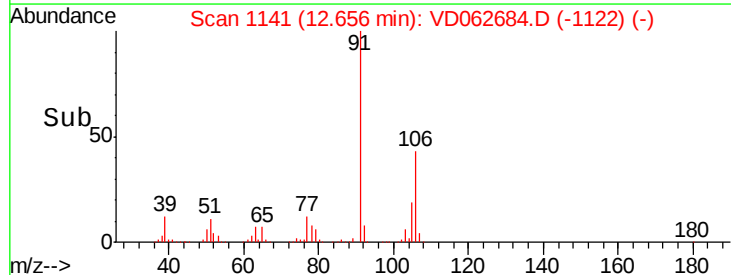
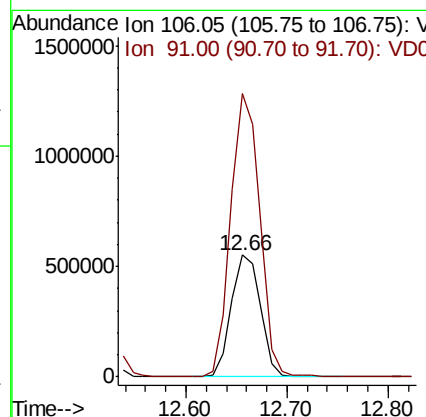
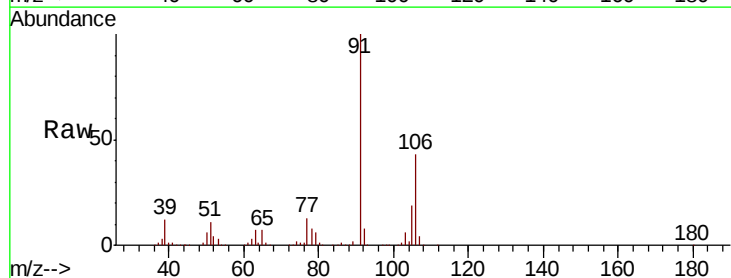
Instrument :
MSVOA_D
ClientSampled :

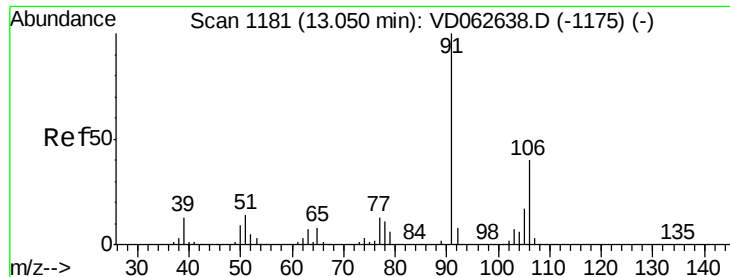
Tot Ion: 91 Resp: 1710121
Ion Ratio Lower Upper
91 100
106 28.5 22.1 33.1



#68
m/p-Xylenes
Concen: 84.799 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 106 Resp: 1111337
Ion Ratio Lower Upper
106 100
91 232.0 180.2 270.4

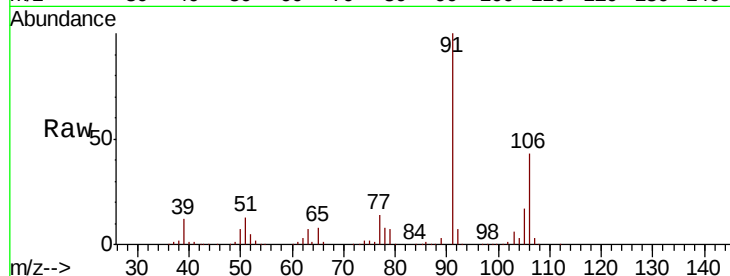




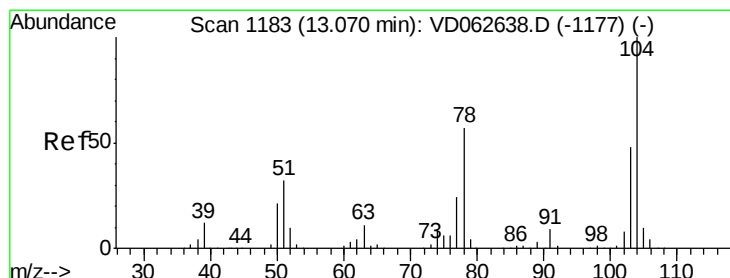
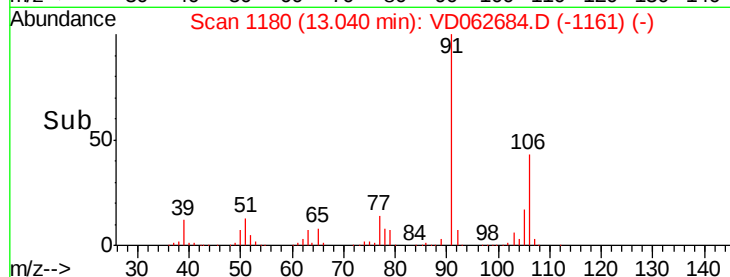
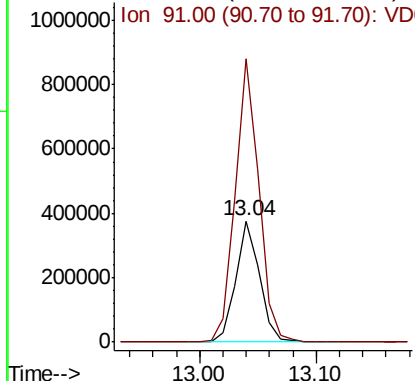
#69
o-Xylene
Concen: 44.305 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 533267
Ion Ratio Lower Upper
106 100
91 233.6 124.1 372.1

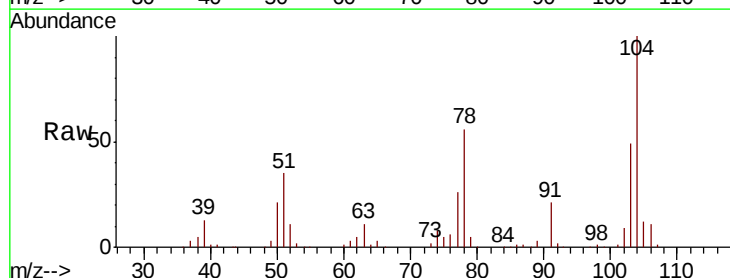


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

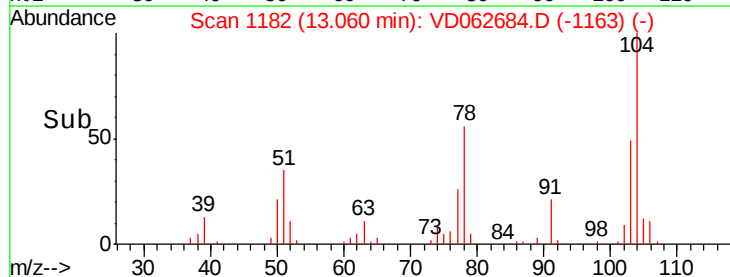
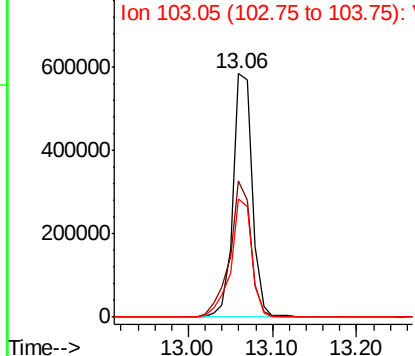


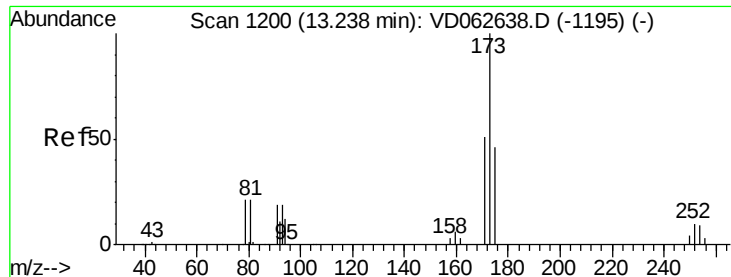
#70
Styrene
Concen: 43.173 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion:104 Resp: 927187
Ion Ratio Lower Upper
104 100
78 56.0 45.9 68.9
103 48.7 38.4 57.6



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





#71

Bromoform

Concen: 41.184 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

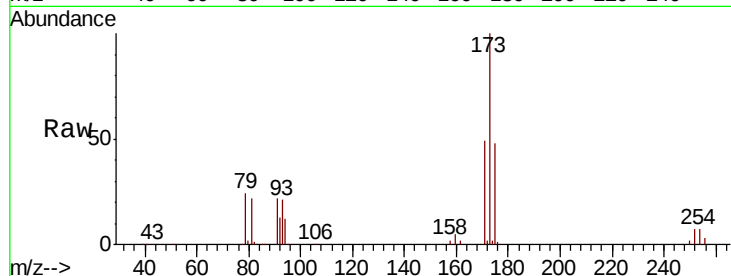
Tot Ion:173 Resp: 312748

Ion Ratio Lower Upper

173 100

175 47.7 22.9 68.7

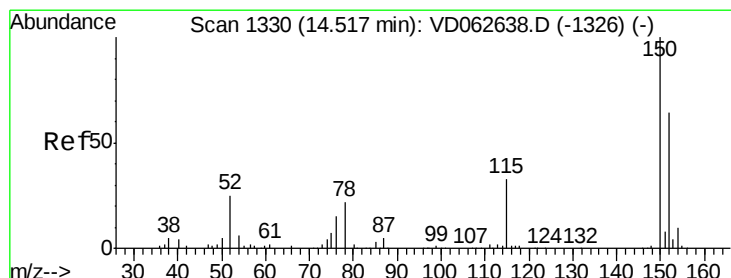
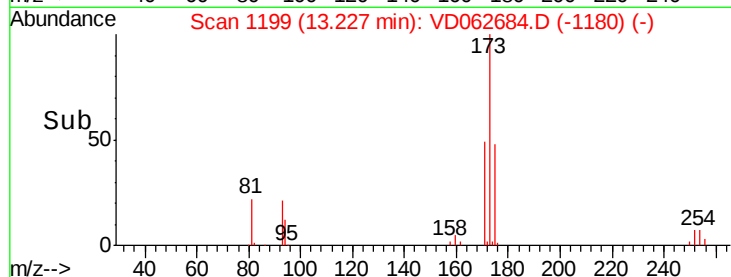
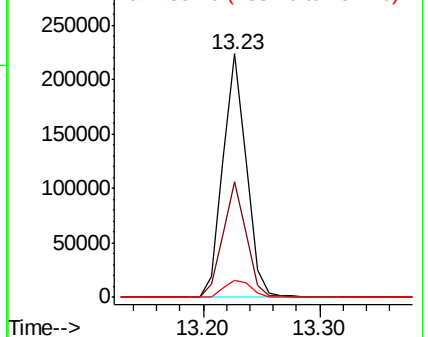
254 7.1 7.0 10.4



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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

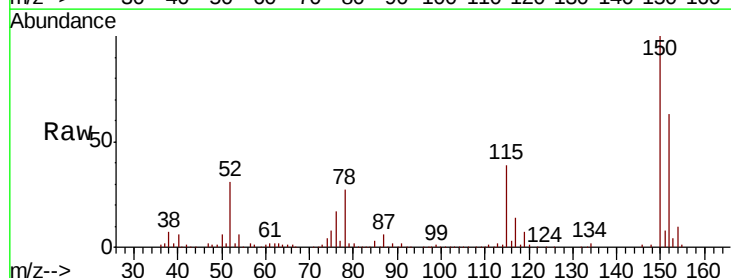
Tgt Ion:152 Resp: 501274

Ion Ratio Lower Upper

152 100

115 62.7 30.1 90.5

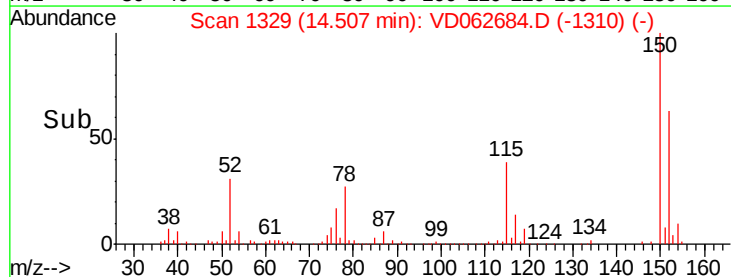
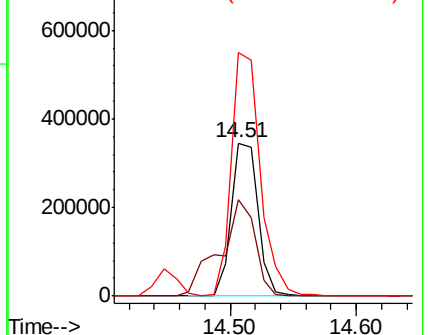
150 159.3 0.0 314.0

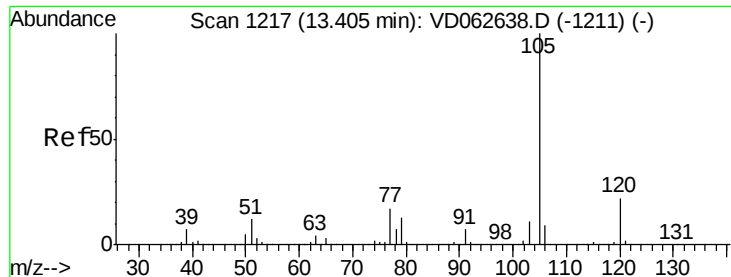


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.921 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

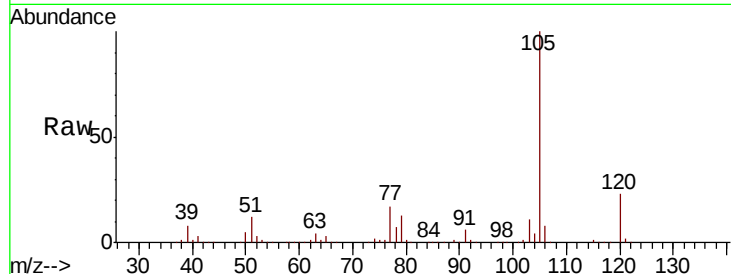
ClientSampleId :

Tot Ion:105 Resp: 1587155

Ion Ratio Lower Upper

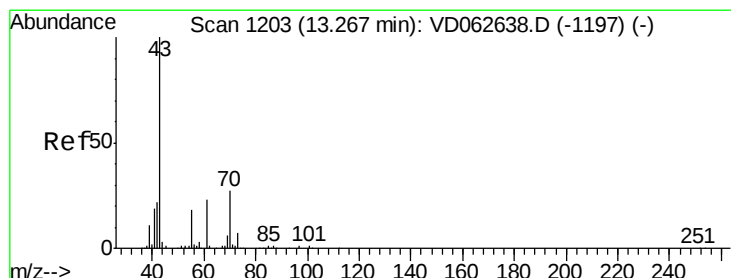
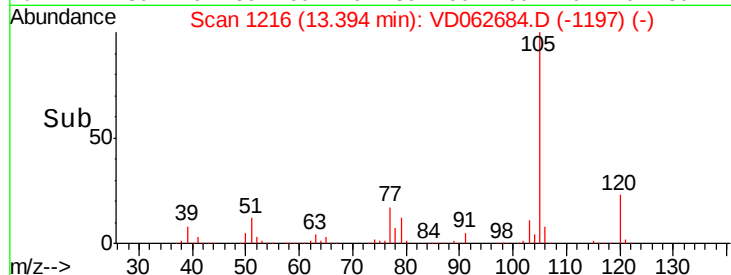
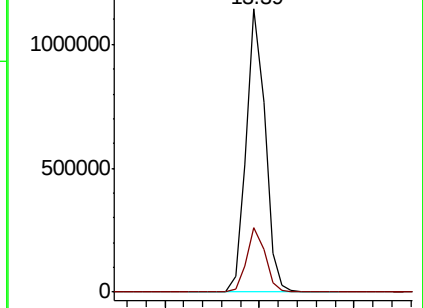
105 100

120 22.6 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 46.166 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Tgt Ion: 43 Resp: 440827

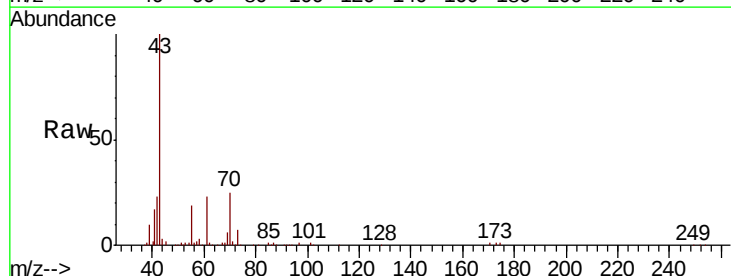
Ion Ratio Lower Upper

43 100

70 25.5 21.8 32.8

55 18.8 14.6 21.8

61 22.9 18.4 27.6

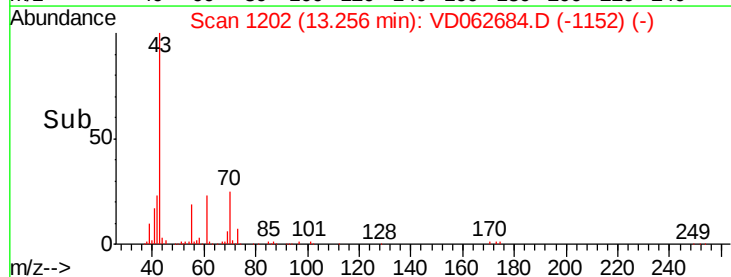
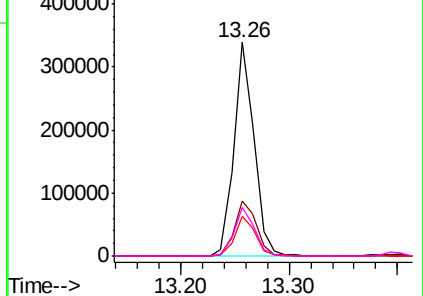


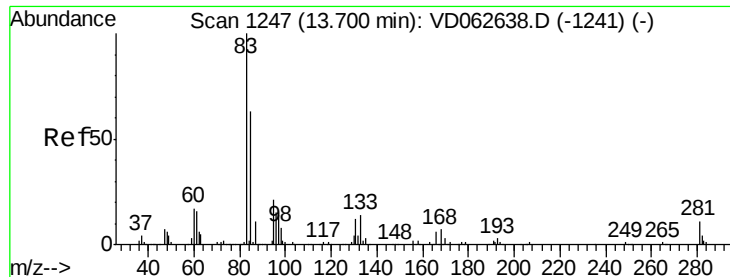
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 48.546 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampled :

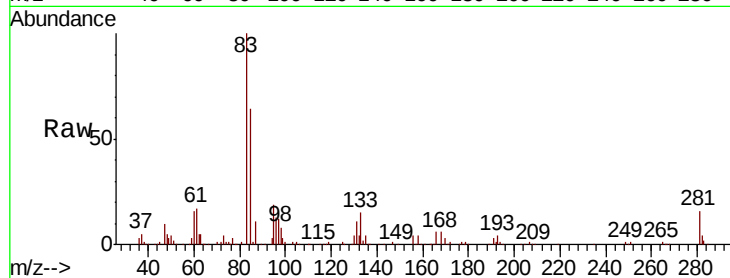
Tot Ion: 83 Resp: 293492

Ion Ratio Lower Upper

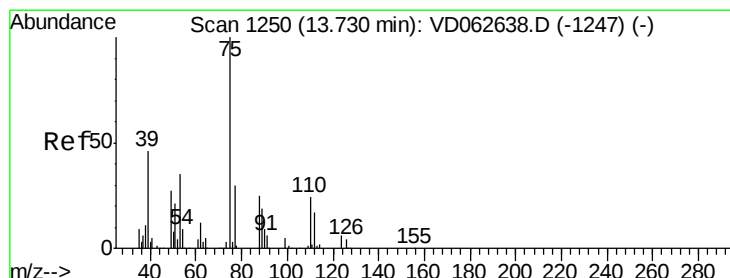
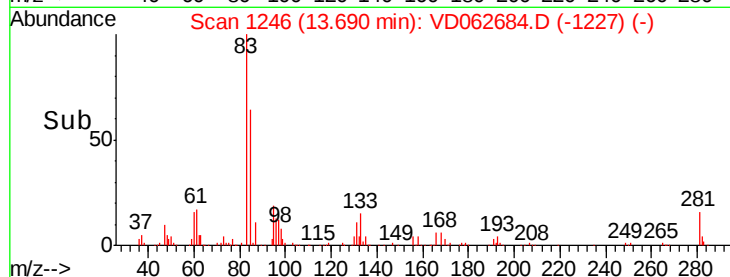
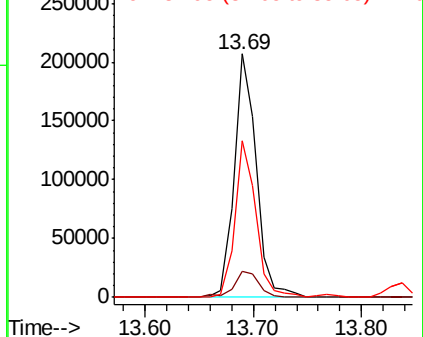
83 100

131 10.7 5.9 17.7

85 64.4 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: 48.943 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062684.D

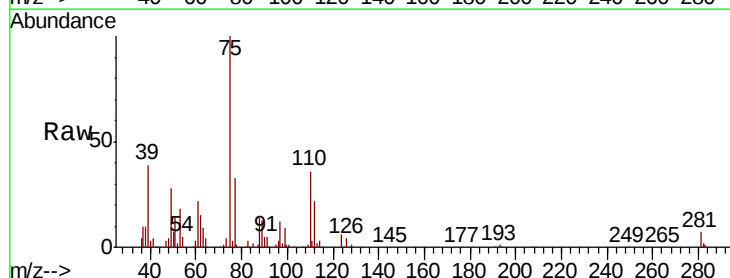
Acq: 12 Jun 2019 19:46

Tgt Ion: 75 Resp: 332653

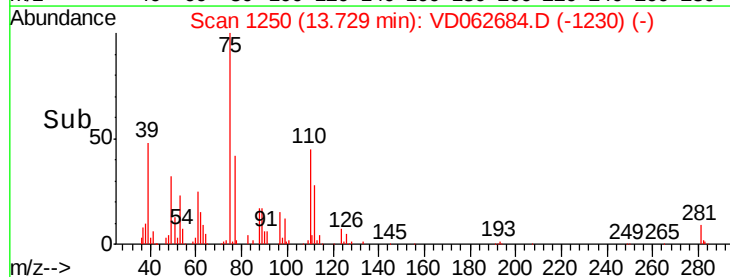
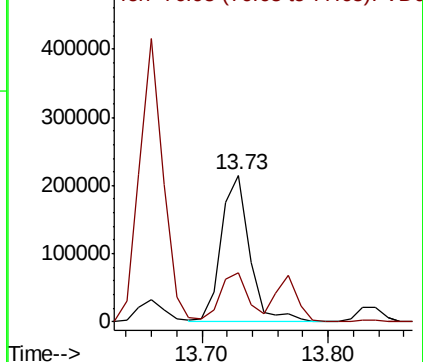
Ion Ratio Lower Upper

75 100

77 33.3 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: 44.585 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampled :

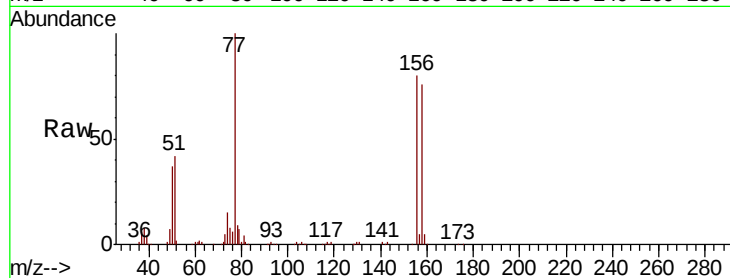
Tot Ion:156 Resp: 450245

Ion Ratio Lower Upper

156 100

77 125.1 56.3 168.8

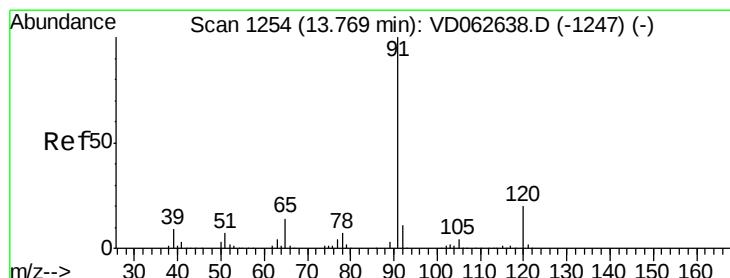
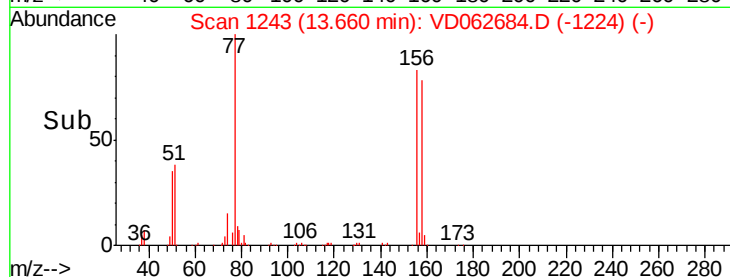
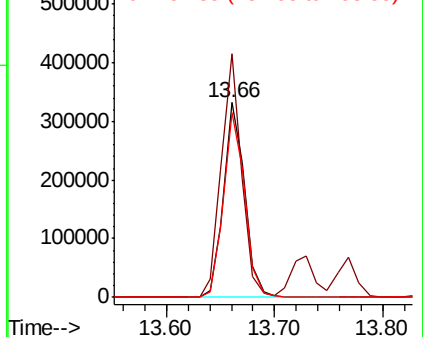
158 94.8 49.6 148.8



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: 44.825 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062684.D

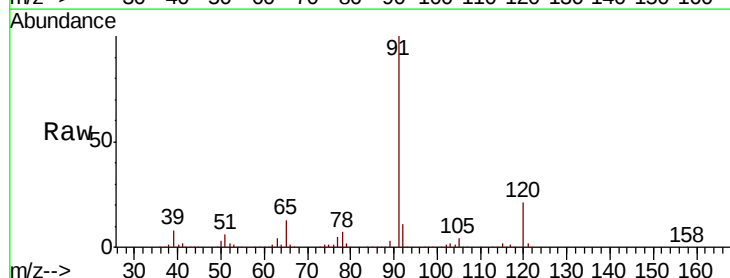
Acq: 12 Jun 2019 19:46

Tgt Ion: 91 Resp: 1938650

Ion Ratio Lower Upper

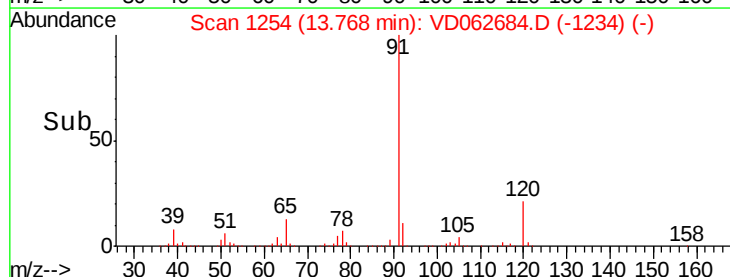
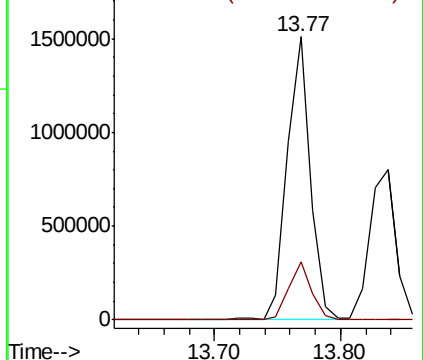
91 100

120 20.7 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: 45.503 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

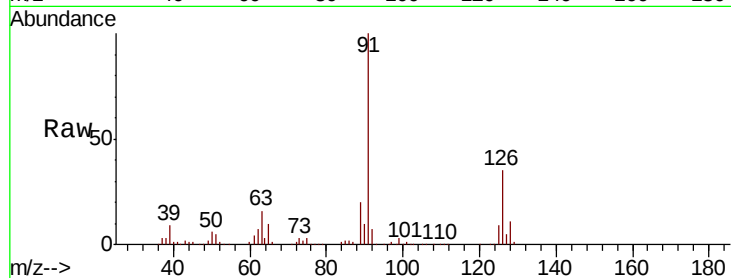
ClientSampleId :

Tot Ion: 91 Resp: 1152270

Ion Ratio Lower Upper

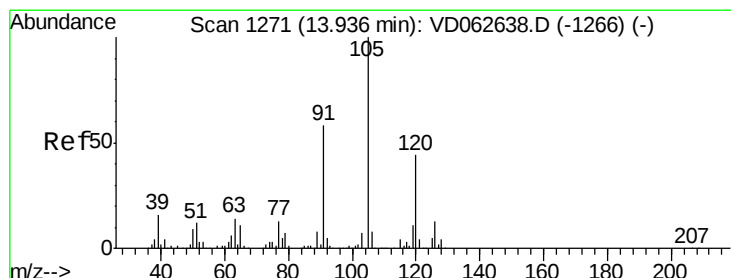
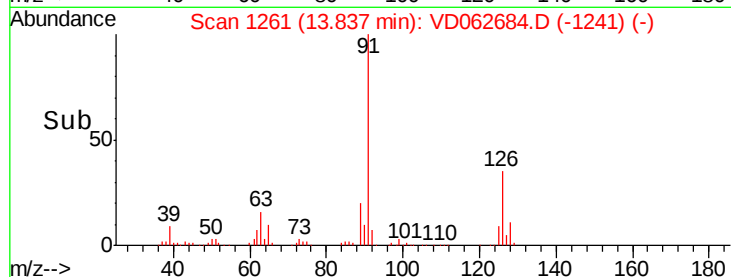
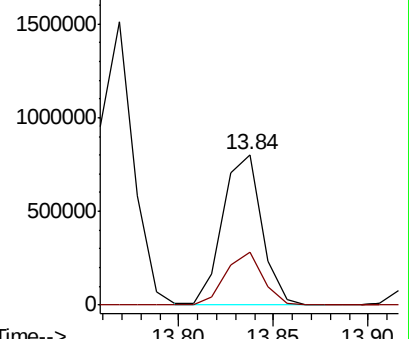
91 100

126 35.0 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 44.338 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062684.D

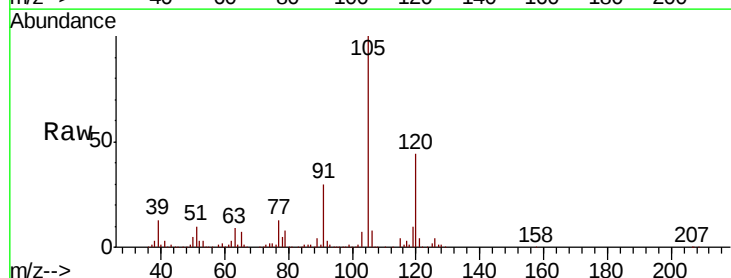
Acq: 12 Jun 2019 19:46

Tgt Ion:105 Resp: 1384510

Ion Ratio Lower Upper

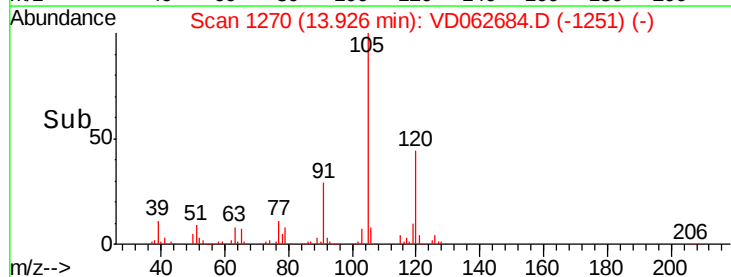
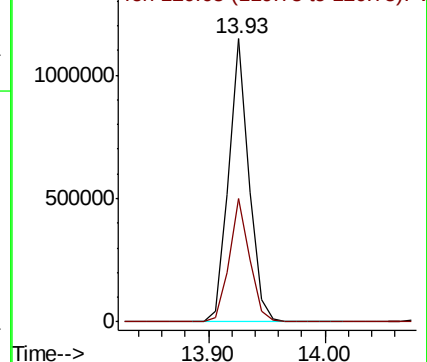
105 100

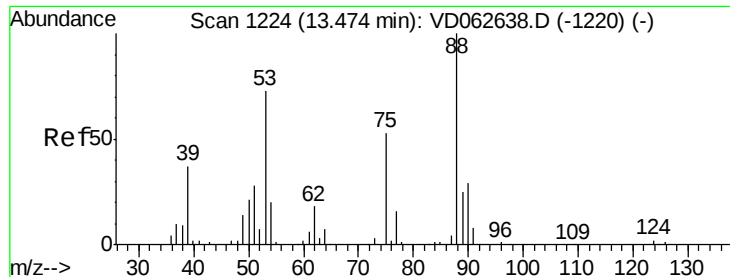
120 43.7 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 44.134 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

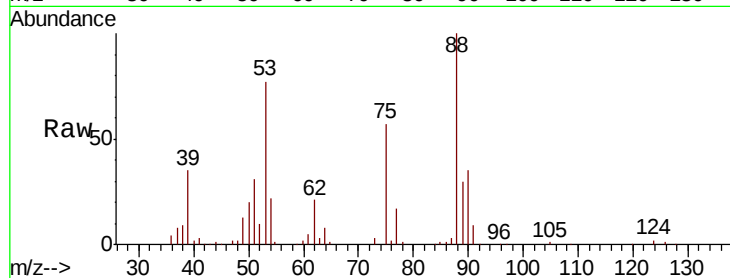
Tot Ion: 75 Resp: 87960

Ion Ratio Lower Upper

75 100

53 134.3 109.4 164.2

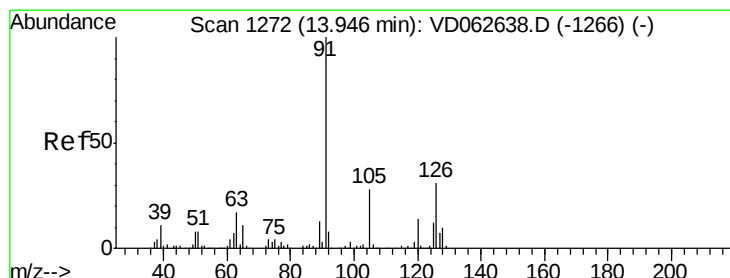
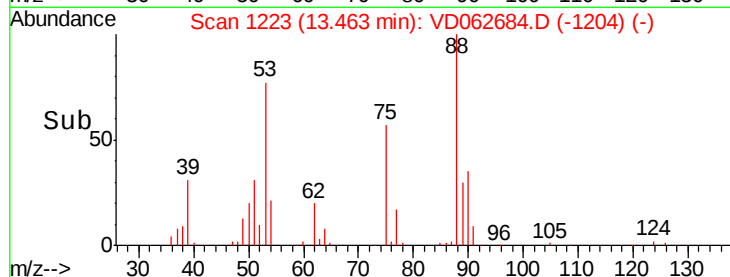
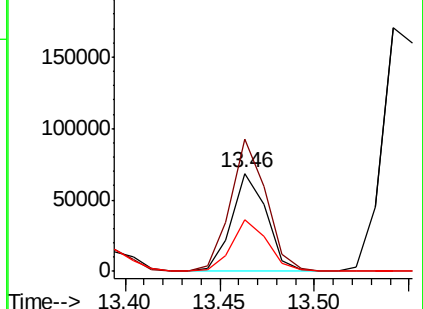
89 52.1 37.0 55.6



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: 42.505 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062684.D

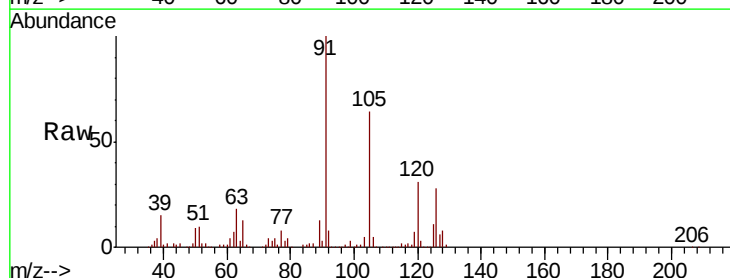
Acq: 12 Jun 2019 19:46

Tgt Ion: 91 Resp: 1287185

Ion Ratio Lower Upper

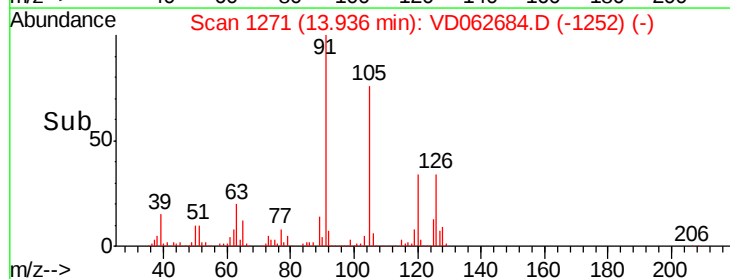
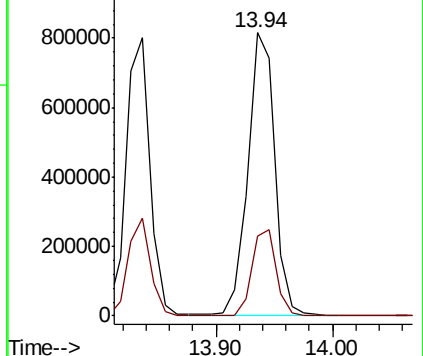
91 100

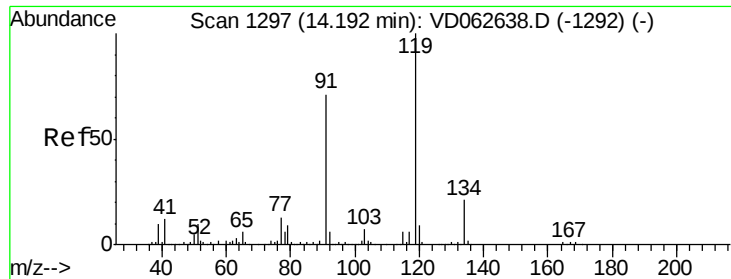
126 28.2 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

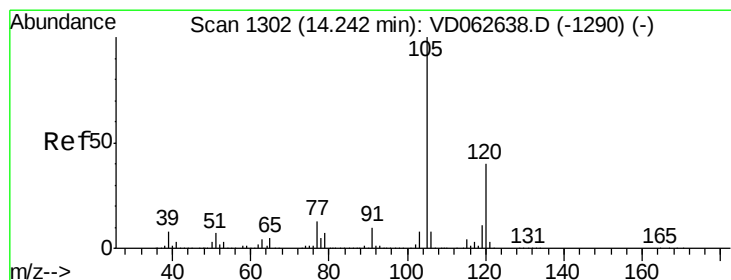
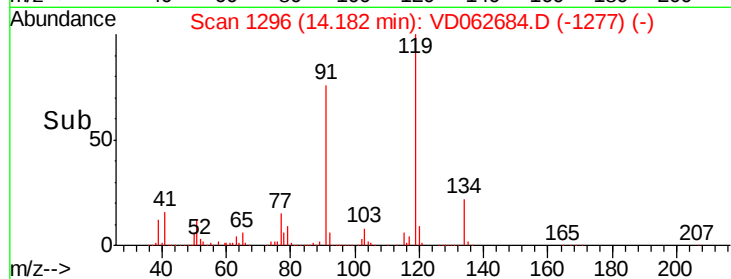
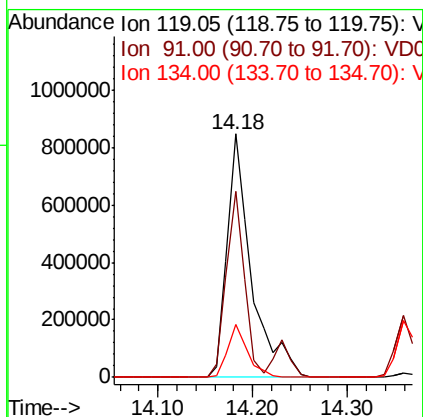
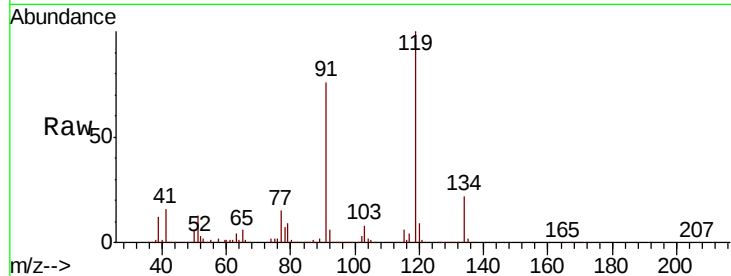




#83
 tert-Butylbenzene
 Concen: 43.857 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

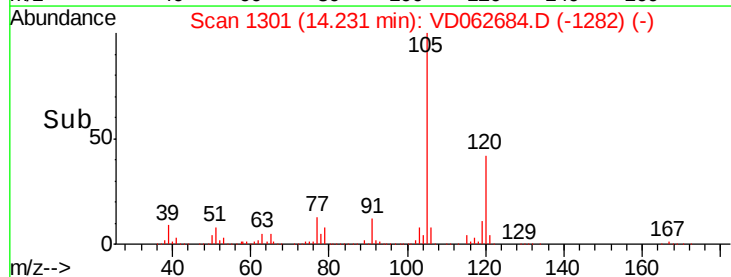
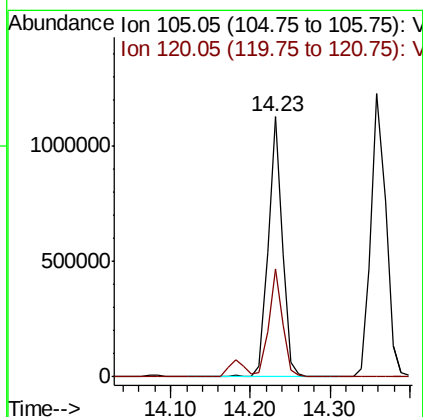
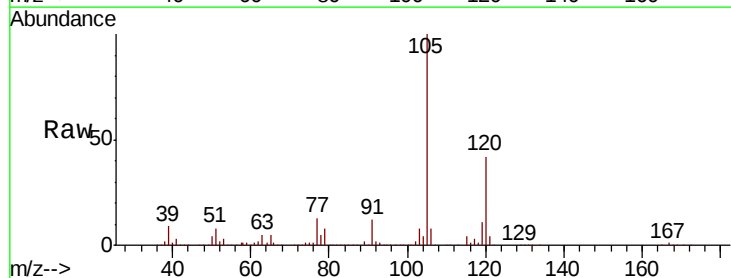
Instrument :
 MSVOA_D
 ClientSampleID :

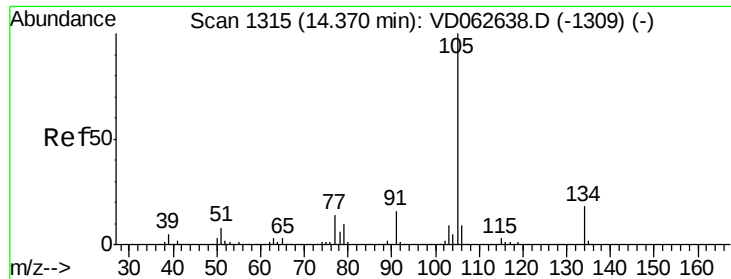
Tot Ion:119 Resp: 1510471
 Ion Ratio Lower Upper
 119 100
 91 76.3 35.4 106.1
 134 21.9 10.8 32.3



#84
 1,2,4-Trimethylbenzene
 Concen: 44.899 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion:105 Resp: 1388151
 Ion Ratio Lower Upper
 105 100
 120 41.7 20.3 60.8





#85

sec-Butylbenzene

Concen: 43.217 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

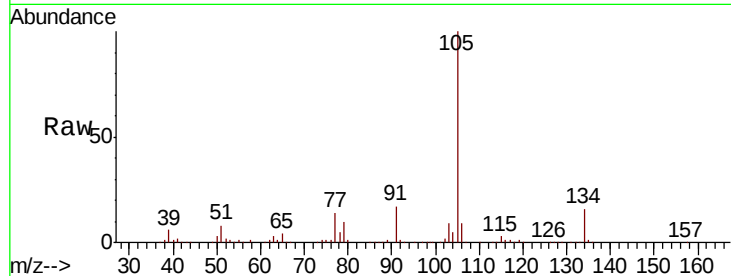
ClientSampled :

Tot Ion:105 Resp: 1560775

Ion Ratio Lower Upper

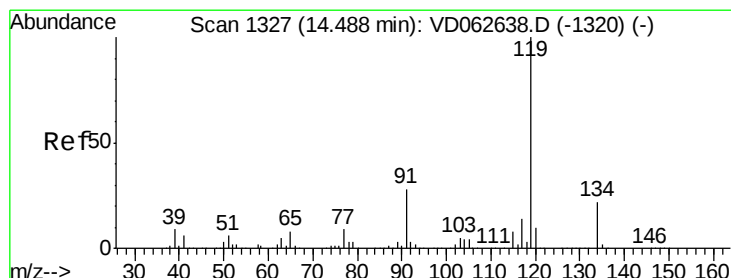
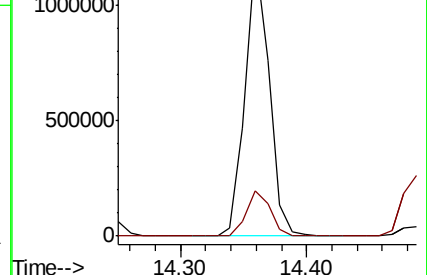
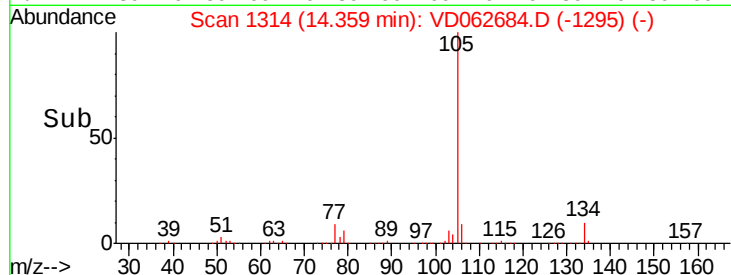
105 100

134 16.0 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 42.440 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

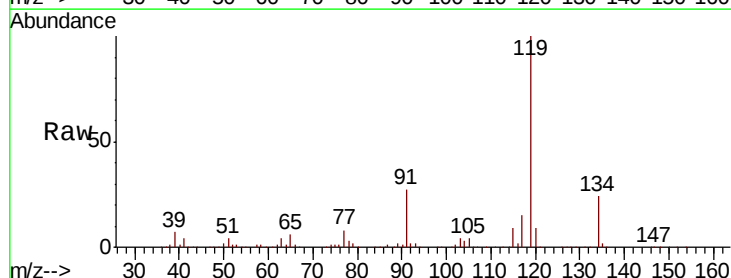
Tgt Ion:119 Resp: 1492311

Ion Ratio Lower Upper

119 100

134 23.6 10.9 32.6

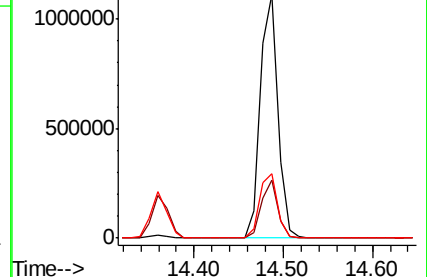
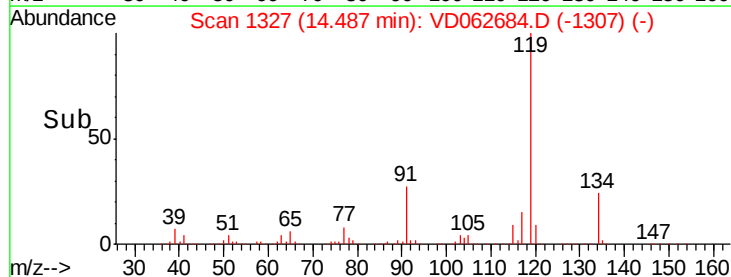
91 26.6 13.9 41.6

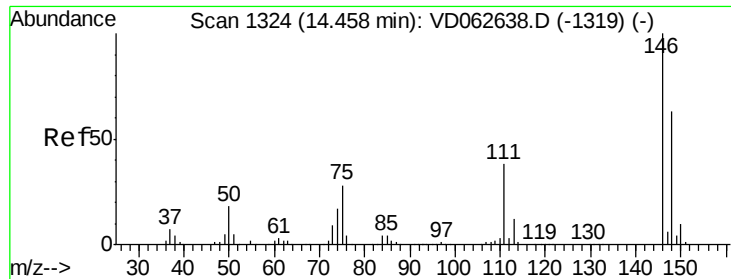


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

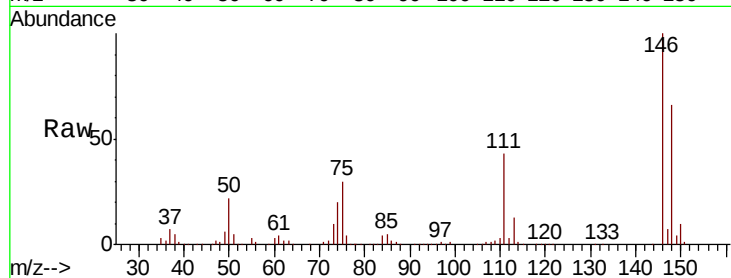




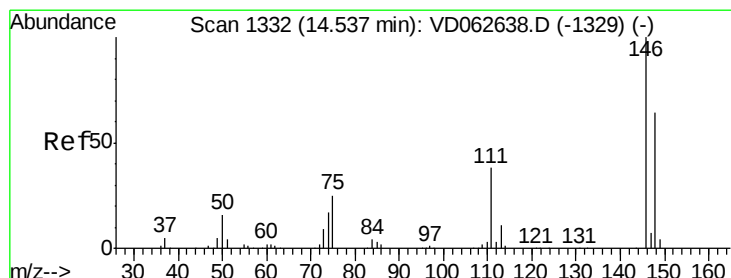
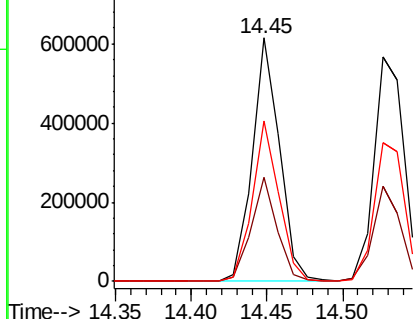
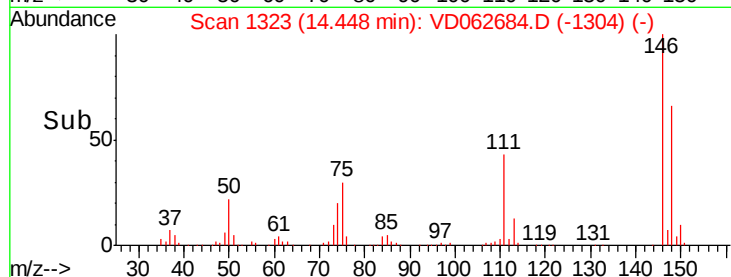
#87
 1,3-Dichlorobenzene
 Concen: 42.236 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 772690
 Ion Ratio Lower Upper
 146 100
 111 42.6 19.2 57.6
 148 65.9 31.6 95.0

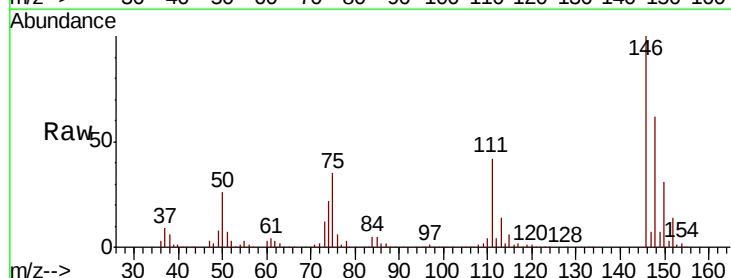


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

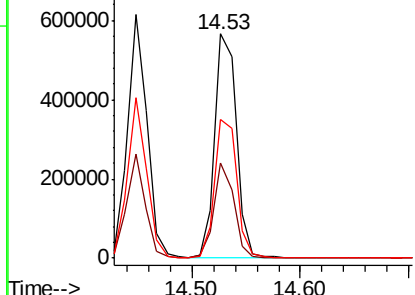
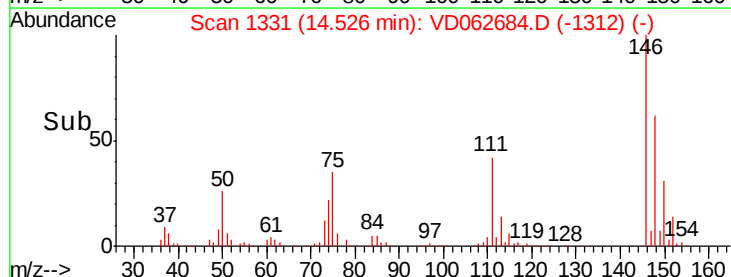


#88
 1,4-Dichlorobenzene
 Concen: 45.896 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion:146 Resp: 793516
 Ion Ratio Lower Upper
 146 100
 111 42.3 18.9 56.7
 148 62.0 32.3 96.8



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





#89

n-Butylbenzene

Concen: 46.708 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

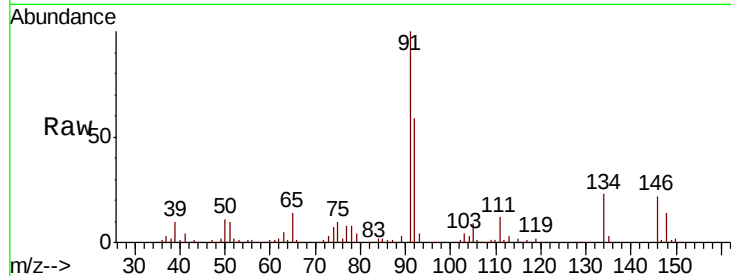
Tot Ion: 91 Resp: 1477515

Ion	Ratio	Lower	Upper
91	100		
92	58.6	29.4	88.3
134	23.0	10.4	31.2

91 100

92 58.6 29.4 88.3

134 23.0 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

14.79

1500000

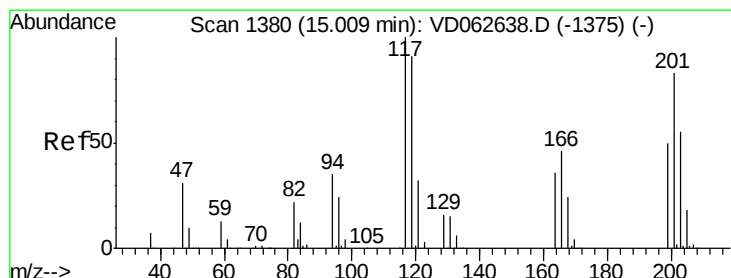
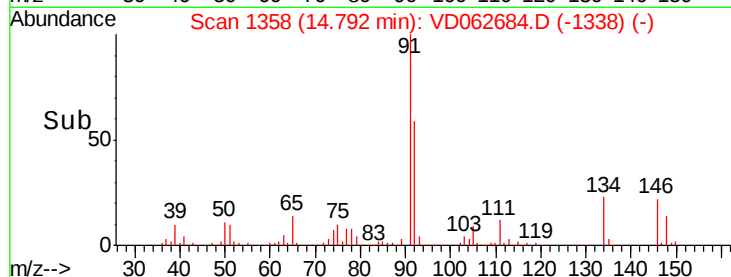
1000000

500000

0

Time-->

14.70 14.80 14.90



#90

Hexachloroethane

Concen: 44.117 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062684.D

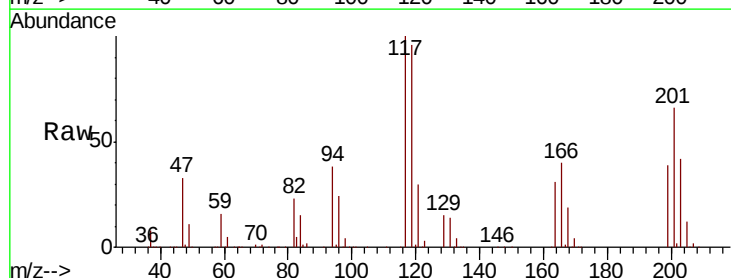
Acq: 12 Jun 2019 19:46

Tgt Ion: 117 Resp: 409528

Ion	Ratio	Lower	Upper
117	100		
201	66.2	41.5	124.6

117 100

201 66.2 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

15.00

300000

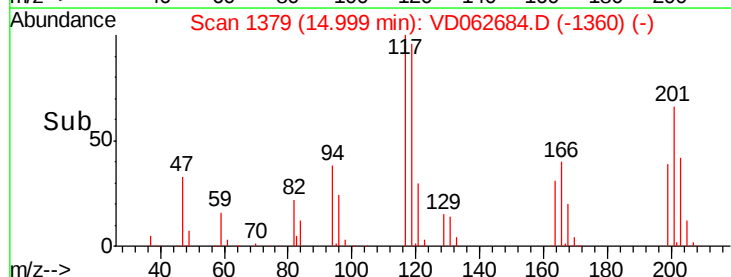
200000

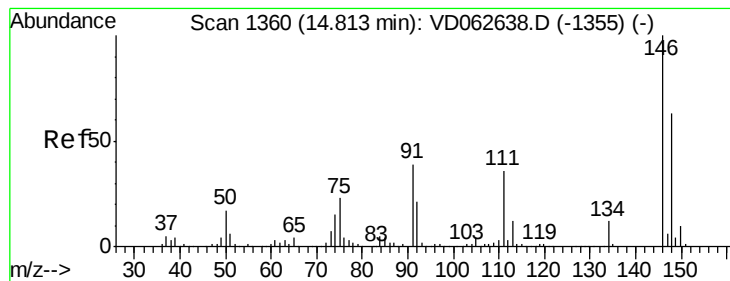
100000

0

Time-->

14.90 14.95 15.00 15.05





#91

1,2-Dichlorobenzene

Concen: 47.602 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

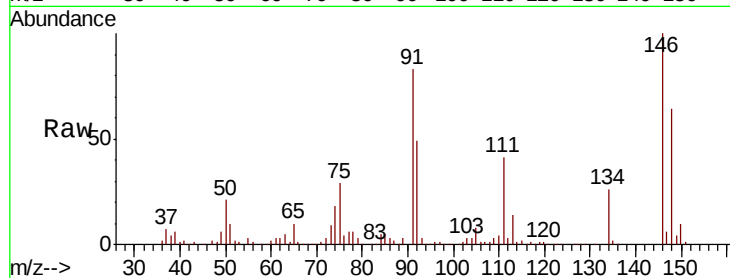
Tot Ion:146 Resp: 723906

Ion Ratio Lower Upper

146 100

111 41.2 18.1 54.3

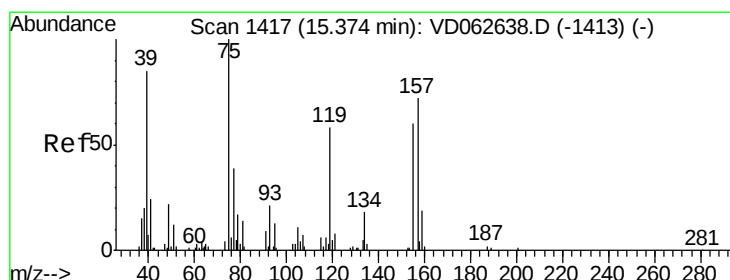
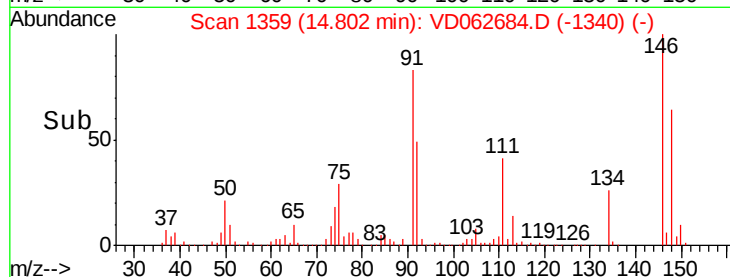
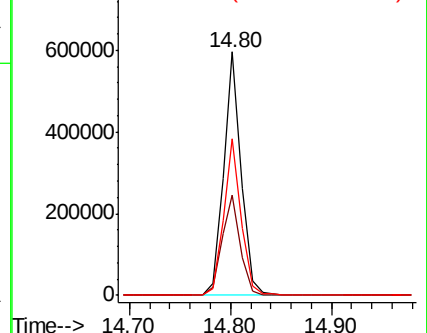
148 64.1 31.4 94.0



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: 46.329 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

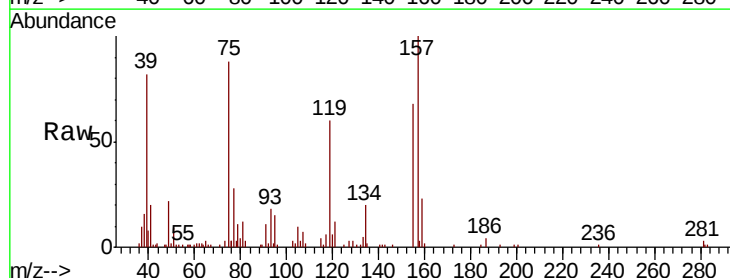
Tgt Ion: 75 Resp: 59828

Ion Ratio Lower Upper

75 100

155 77.4 30.1 90.5

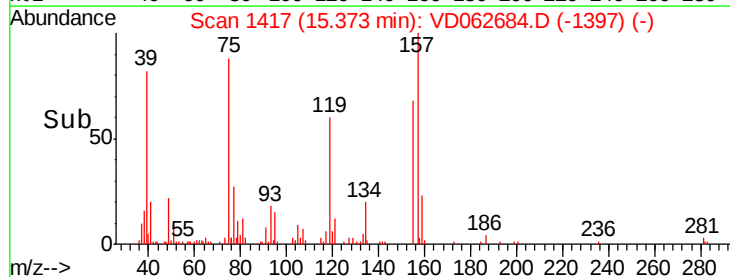
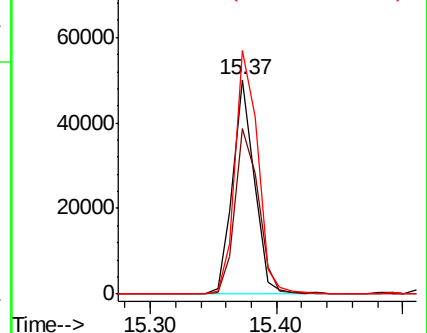
157 113.6 35.9 107.8#

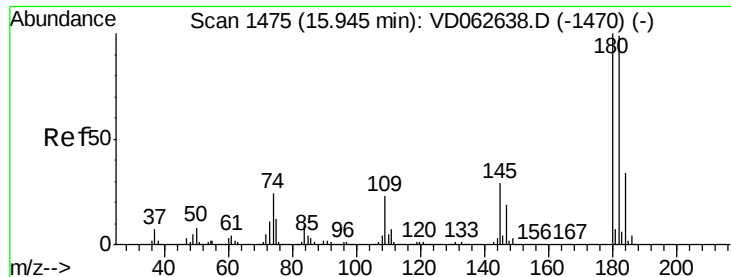


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

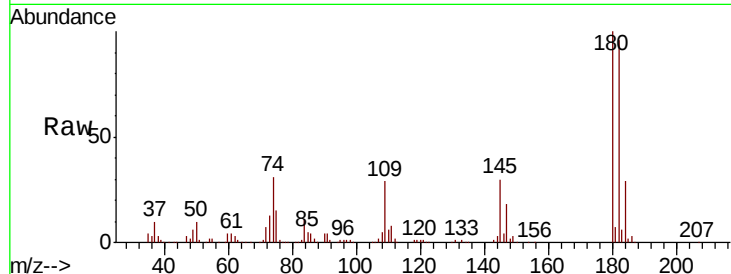




#93
 1,2,4-Trichlorobenzene
 Concen: 42.769 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	49.4	148.2
145	30.3	14.5	43.6

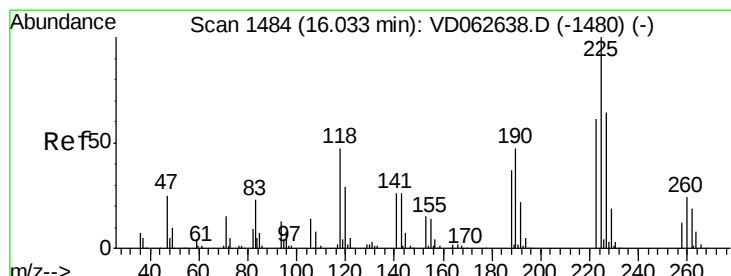
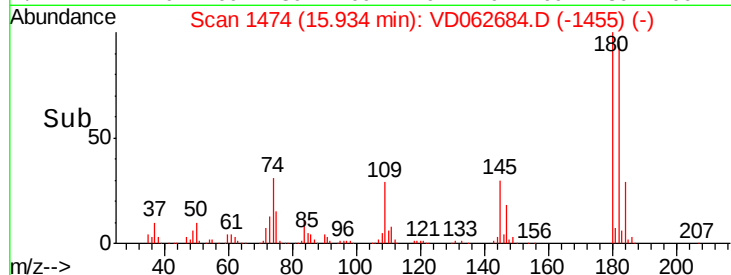
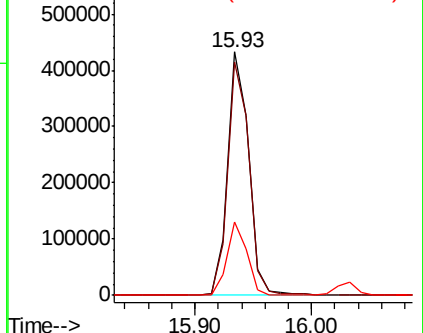


Abundance

Ion 179.85 (179.55 to 180.55): V

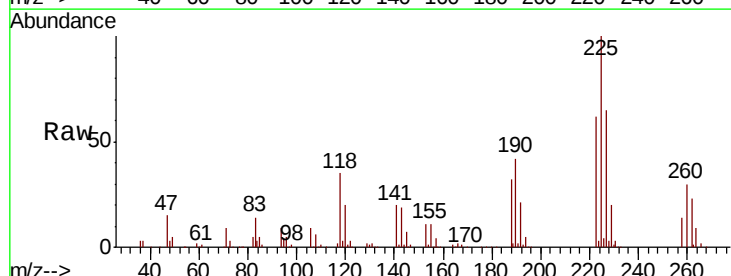
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 45.447 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.3	91.0
227	65.1	31.8	95.4

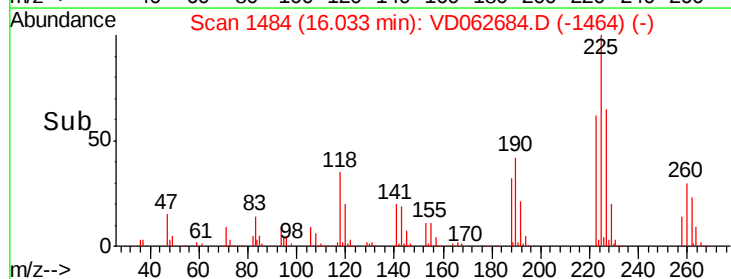
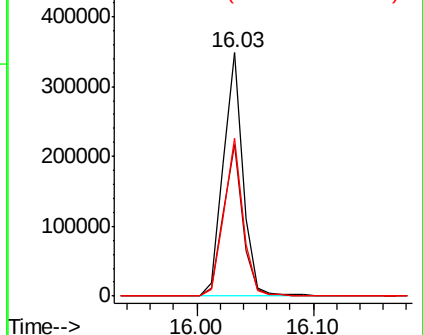


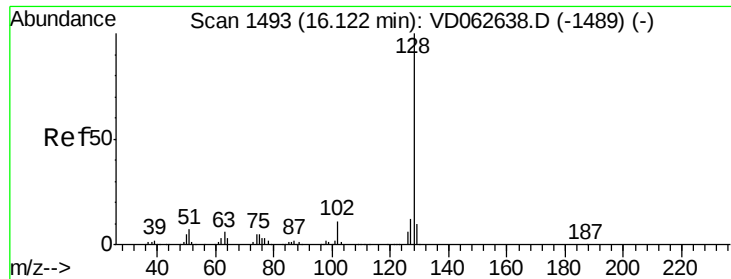
Abundance

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

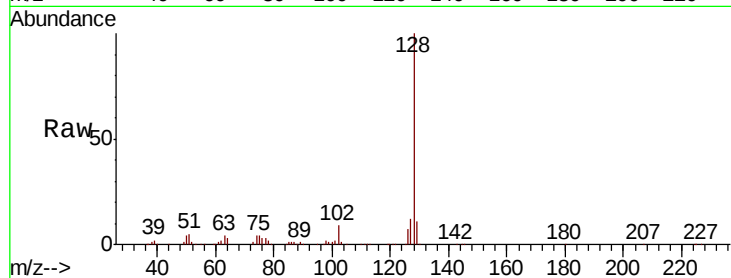




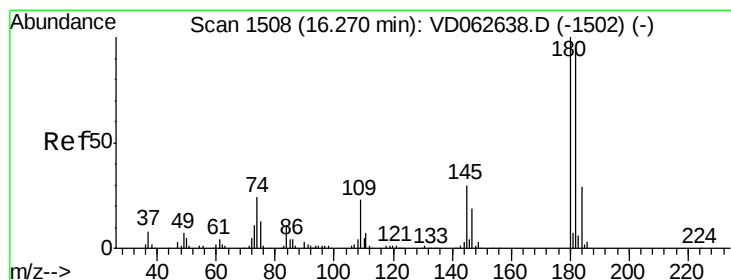
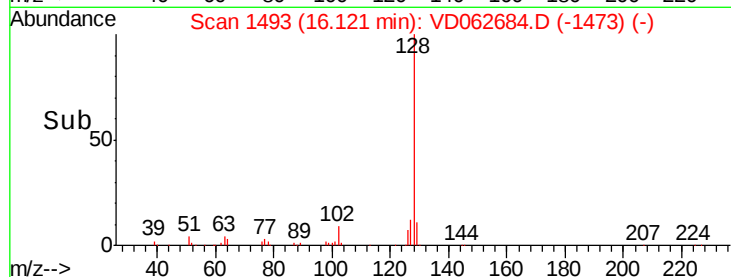
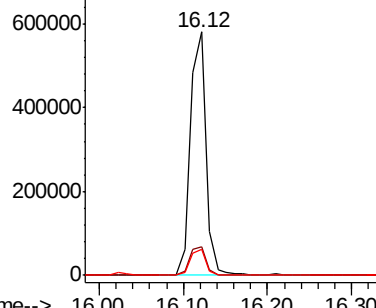
#95
Naphthalene
Concen: 42.017 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 753465
Ion Ratio Lower Upper
128 100
127 11.6 9.7 14.5
129 10.5 8.1 12.1

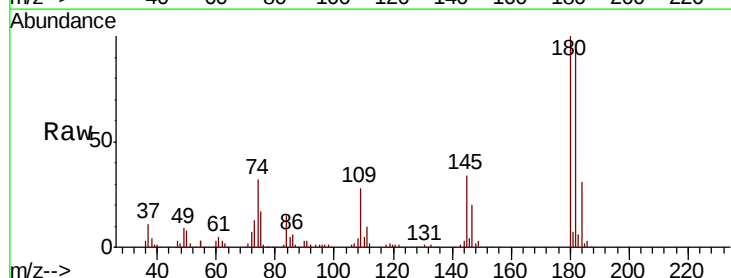


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.763 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion:180 Resp: 435888
Ion Ratio Lower Upper
180 100
182 93.6 47.7 143.1
145 33.7 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

