

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062619\
 Data File : VD062909.D
 Acq On : 26 Jun 2019 11:27
 Operator : VA/AP
 Sample : VD0626SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Quant Time: Jun 27 09:00:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	966096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1398368	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1128619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	601039	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	545186	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	6.92	113	575130	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	10.41	98	1290082	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	13.56	95	590433	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	273103	21.845	ug/l	96
3) Chloromethane	1.75	50	199968	21.269	ug/l	95
4) Vinyl Chloride	1.85	62	201428	21.608	ug/l	98
5) Bromomethane	2.15	94	68927	15.788	ug/l	87
6) Chloroethane	2.26	64	84610	20.048	ug/l	98
7) Trichlorofluoromethane	2.52	101	392770	20.819	ug/l	95
8) Diethyl Ether	2.87	74	57696	24.069	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.14	101	213687	20.907	ug/l	96
10) Methyl Iodide	3.30	142	260827	19.343	ug/l	100
11) Tert butyl alcohol	4.10	59	49190	102.848	ug/l	98
12) 1,1-Dichloroethene	3.12	96	162645	21.213	ug/l	98
13) Acrolein	3.04	56	40597	83.145	ug/l	90
14) Allyl chloride	3.61	41	244112	21.547	ug/l	98
15) Acrylonitrile	4.20	53	125842	111.976	ug/l	90
16) Acetone	3.23	43	212165	95.299	ug/l	99
17) Carbon Disulfide	3.37	76	496811	20.274	ug/l	100
18) Methyl Acetate	3.64	43	88505	27.919	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	359470	21.657	ug/l	99
20) Methylene Chloride	3.81	84	186221	23.252	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	177775	21.776	ug/l	91
22) Diisopropyl ether	5.12	45	488539	21.204	ug/l	95
23) Vinyl Acetate	5.06	43	1485333	103.027	ug/l	98
24) 1,1-Dichloroethane	4.97	63	312056	20.803	ug/l	98
25) 2-Butanone	6.08	43	216383	110.171	ug/l	96
26) 2,2-Dichloropropane	6.02	77	337092	21.201	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	182979	21.195	ug/l	95
28) Bromochloromethane	6.44	49	120066	22.726	ug/l	99
29) Tetrahydrofuran	6.46	42	103803	111.703	ug/l	96
30) Chloroform	6.67	83	387357	21.233	ug/l	98
31) Cyclohexane	6.95	56	202321	20.516	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	386111	20.320	ug/l	93
36) 1,1-Dichloropropene	7.14	75	257884	19.481	ug/l	99
37) Ethyl Acetate	6.18	43	103222	17.855	ug/l #	92
38) Carbon Tetrachloride	7.11	117	396265	19.904	ug/l	98

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 Acq On : 26 Jun 2019 11:27
 Operator : VA/AP
 Sample : VD0626SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Quant Time: Jun 27 09:00:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	217342	18.652	ug/l	97
40) Benzene	7.45	78	530171	19.952	ug/l	100
41) Methacrylonitrile	6.45	41	137679	19.722	ug/l #	89
42) 1,2-Dichloroethane	7.58	62	280007	19.317	ug/l	97
43) Isopropyl Acetate	9.24	43	142380	20.516	ug/l #	89
44) Trichloroethene	8.54	130	203150	19.501	ug/l	94
45) 1,2-Dichloropropane	8.94	63	132403	20.039	ug/l	99
46) Dibromomethane	9.06	93	109454	19.285	ug/l	88
47) Bromodichloromethane	9.37	83	292764	19.861	ug/l	99
48) Methyl methacrylate	9.13	41	99439	20.163	ug/l	93
49) 1,4-Dioxane	9.09	88	14749	359.463	ug/l #	78
51) 4-Methyl-2-Pentanone	10.30	43	502361	102.097	ug/l	98
52) Toluene	10.51	92	342628	19.182	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	234420	19.430	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	253920	19.363	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	120831	19.690	ug/l	95
56) Ethyl methacrylate	11.05	69	136818	20.862	ug/l	97
57) 1,3-Dichloropropane	11.41	76	175332	18.660	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	326386	96.942	ug/l	93
59) 2-Hexanone	11.53	43	360334	102.827	ug/l	100
60) Dibromochloromethane	11.69	129	218864	19.148	ug/l	98
61) 1,2-Dibromoethane	11.80	107	141545	19.530	ug/l	98
64) Tetrachloroethene	11.25	164	189515	20.402	ug/l	95
65) Chlorobenzene	12.40	112	427109	20.391	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	197892	20.202	ug/l	94
67) Ethyl Benzene	12.52	91	786330	20.910	ug/l	97
68) m/p-Xylenes	12.67	106	552021	42.146	ug/l	98
69) o-Xylene	13.05	106	274308	22.910	ug/l	97
70) Styrene	13.07	104	475820	22.625	ug/l	96
71) Bromoform	13.23	173	135226	20.149	ug/l	90
73) Isopropylbenzene	13.40	105	745053	19.333	ug/l	98
74) N-amyl acetate	13.26	43	207158	22.135	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	130804	20.832	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	142185	20.492	ug/l	96
77) Bromobenzene	13.67	156	209702	20.231	ug/l	89
78) n-propylbenzene	13.77	91	892525	19.898	ug/l	98
79) 2-Chlorotoluene	13.84	91	564834	22.035	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	723962	22.365	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.47	75	39325	21.625	ug/l	89
82) 4-Chlorotoluene	13.94	91	685057	22.199	ug/l	93
83) tert-Butylbenzene	14.19	119	770674	21.359	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	654237	19.719	ug/l	97
85) sec-Butylbenzene	14.36	105	775160	19.767	ug/l	94
86) p-Isopropyltoluene	14.49	119	729706	20.340	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	411350	22.138	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	387081	20.741	ug/l	96
89) n-Butylbenzene	14.80	91	652754	19.440	ug/l	98
90) Hexachloroethane	15.00	117	180608	18.724	ug/l	81
91) 1,2-Dichlorobenzene	14.81	146	325499	20.475	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24598	20.071	ug/l	76

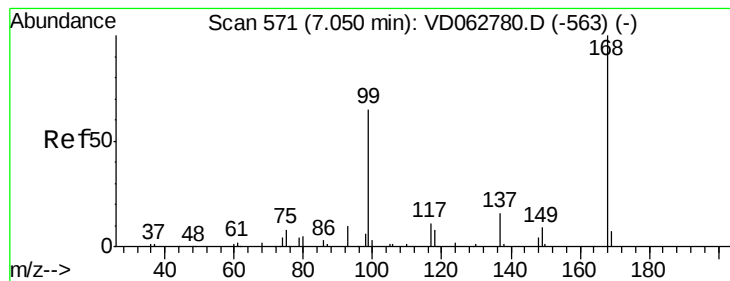
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062619\
Data File : VD062909.D
Acq On : 26 Jun 2019 11:27
Operator : VA/AP
Sample : VD0626SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

Quant Time: Jun 27 09:00:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	257662	20.748	ug/l	95
94) Hexachlorobutadiene	16.04	225	187587	19.773	ug/l	95
95) Naphthalene	16.13	128	356610	20.488	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	202968	21.272	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

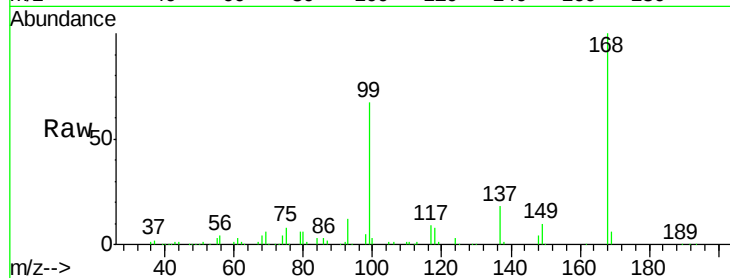
VD0626SBS01

Tot Ion:168 Resp: 966096

Ion Ratio Lower Upper

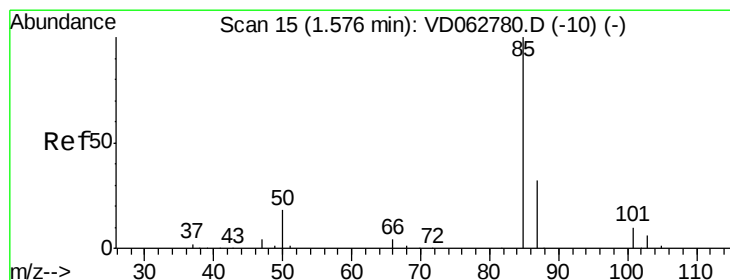
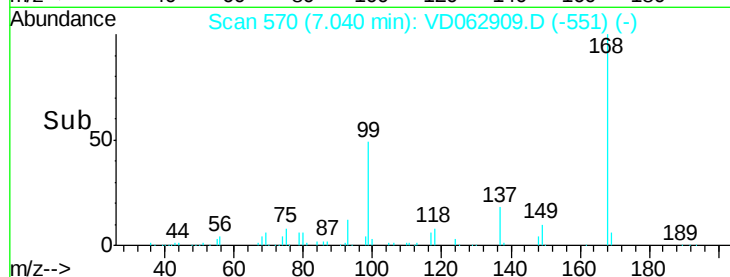
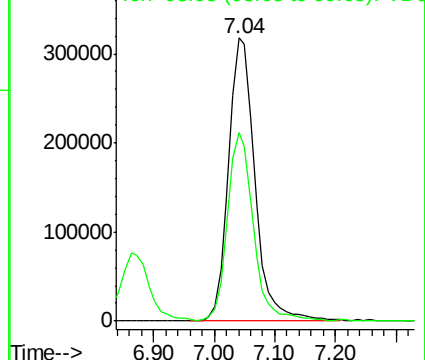
168 100

99 66.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.845 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062909.D

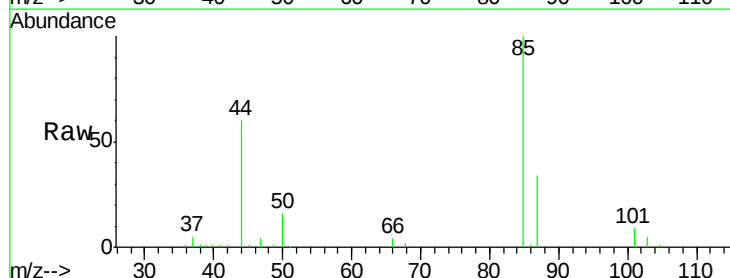
Acq: 26 Jun 2019 11:27

Tgt Ion: 85 Resp: 273103

Ion Ratio Lower Upper

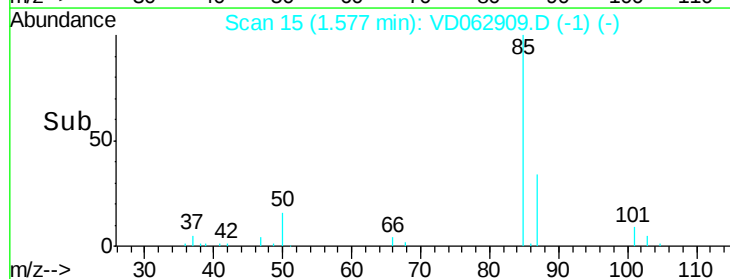
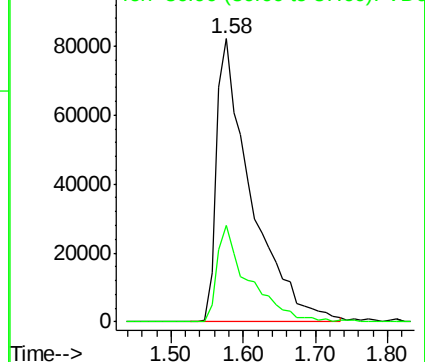
85 100

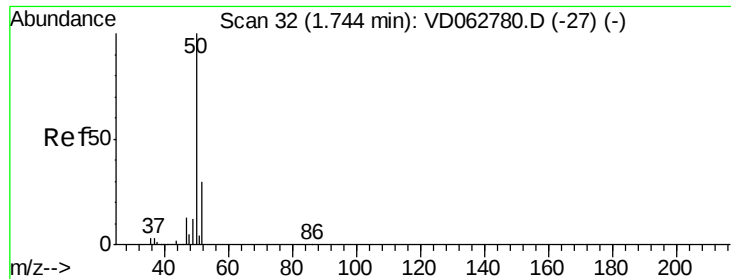
87 33.9 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.269 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

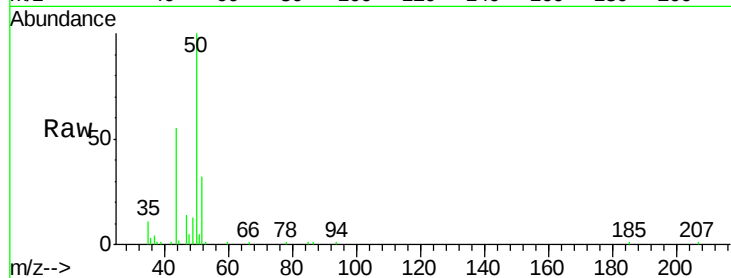
VD0626SBS01

Tot Ion: 50 Resp: 199968

Ion Ratio Lower Upper

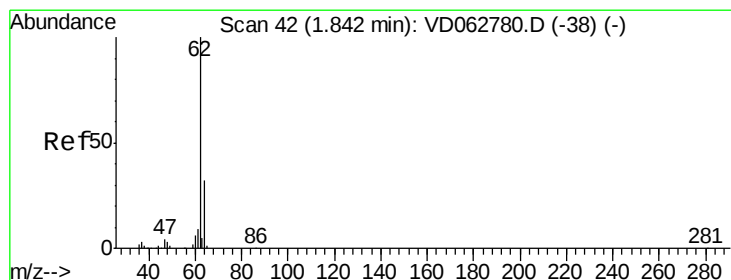
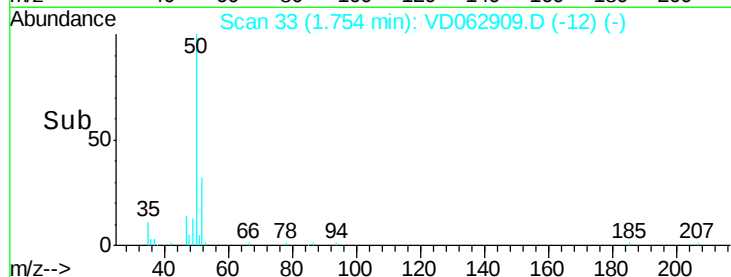
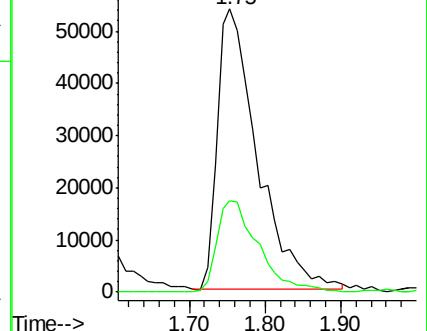
50 100

52 32.2 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.608 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062909.D

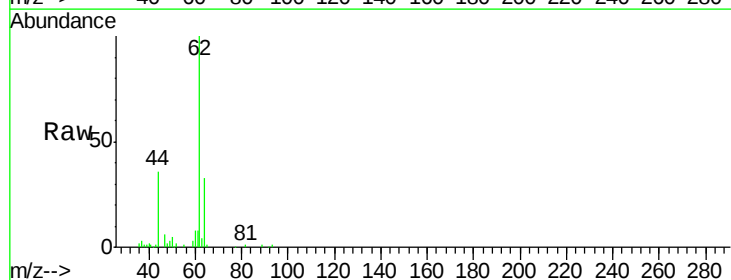
Acq: 26 Jun 2019 11:27

Tgt Ion: 62 Resp: 201428

Ion Ratio Lower Upper

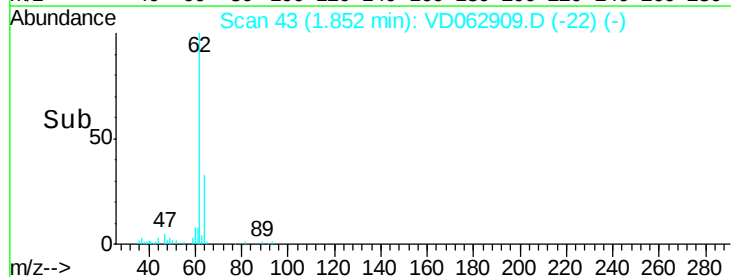
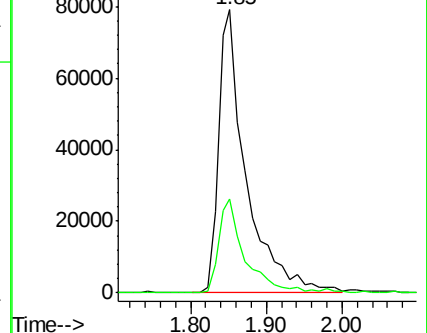
62 100

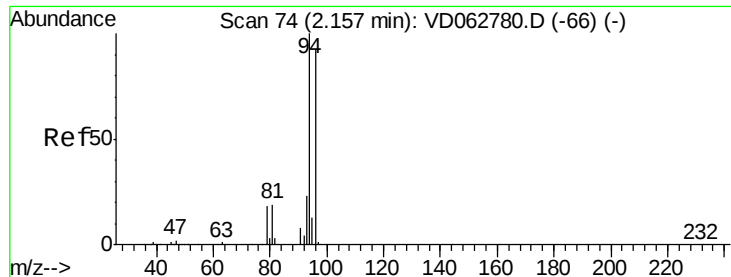
64 33.0 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.788 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

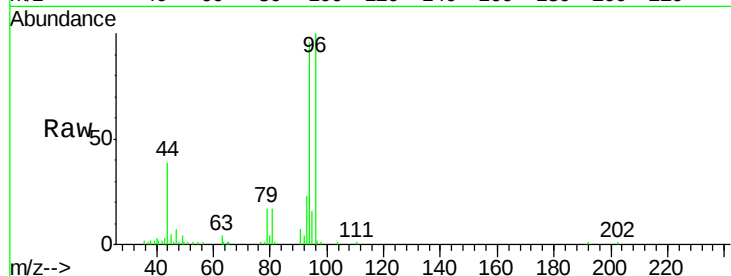
Tot Ion: 94 Resp: 68927

Ion Ratio Lower Upper

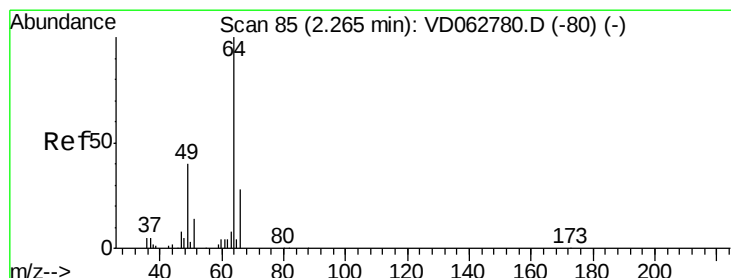
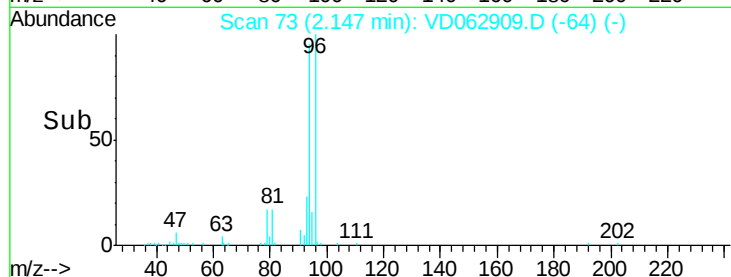
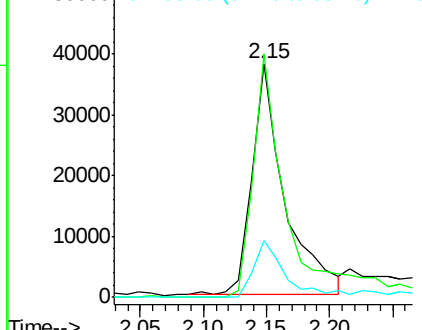
94 100

96 106.5 73.4 110.2

93 24.1 18.2 27.4



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: 20.048 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062909.D

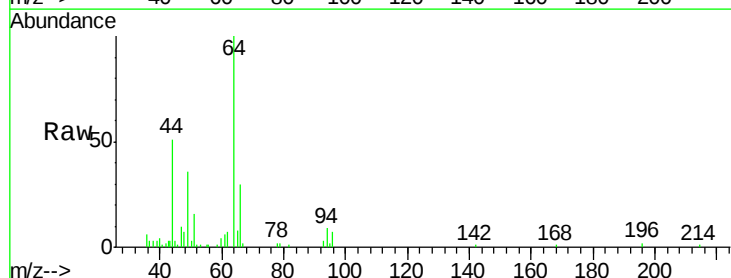
Acq: 26 Jun 2019 11:27

Tgt Ion: 64 Resp: 84610

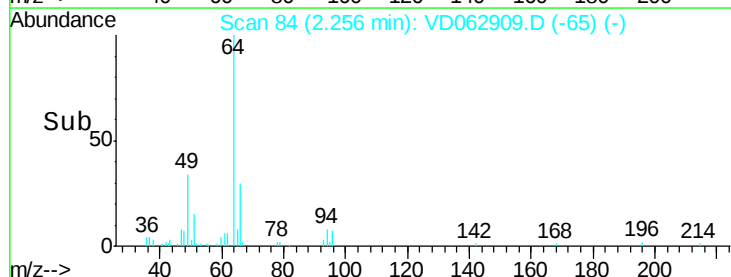
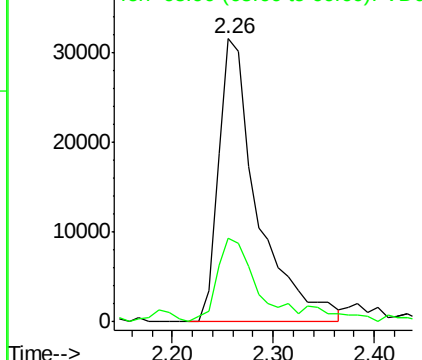
Ion Ratio Lower Upper

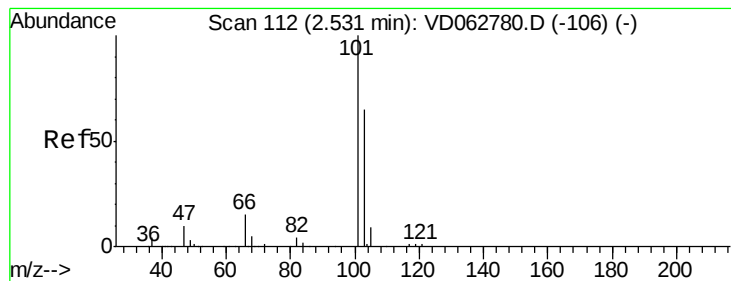
64 100

66 29.6 23.0 34.4



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



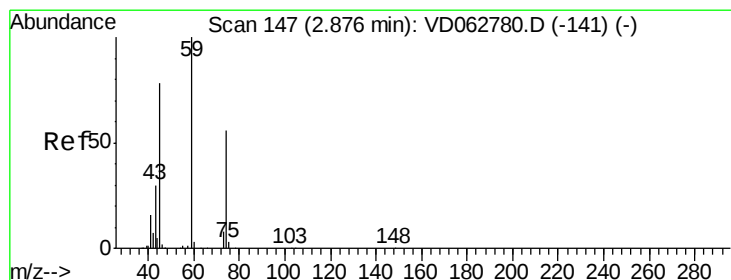
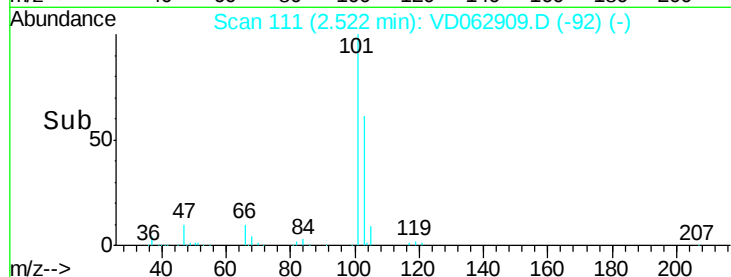
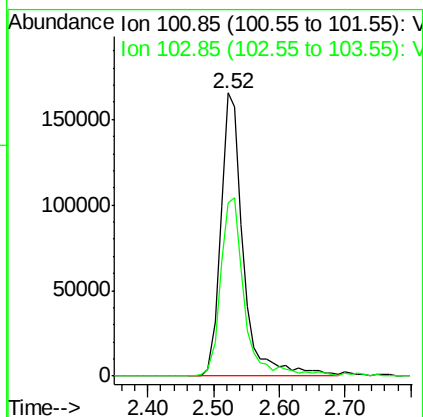
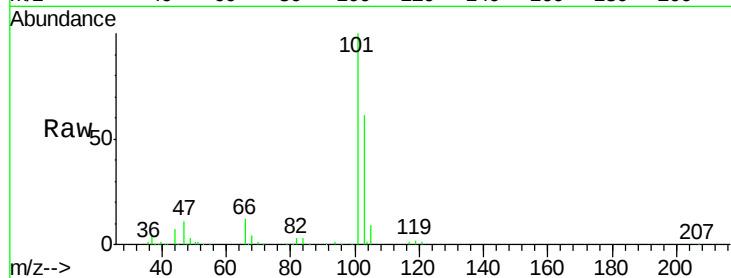


#7

Trichlorofluoromethane
Concen: 20.819 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

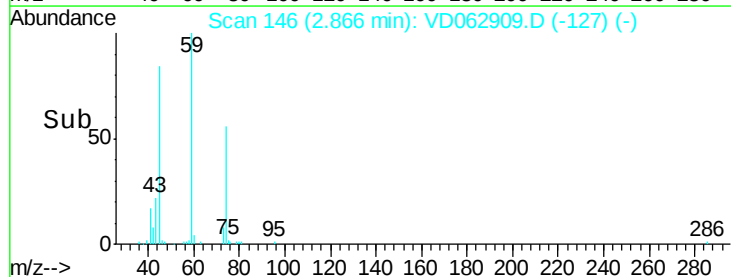
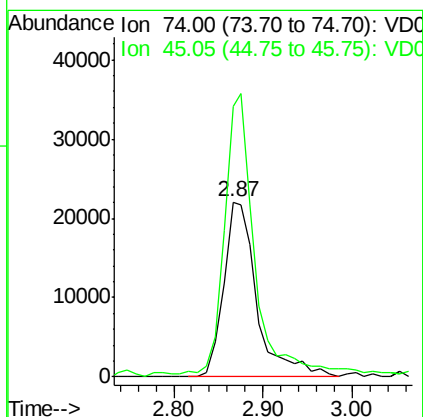
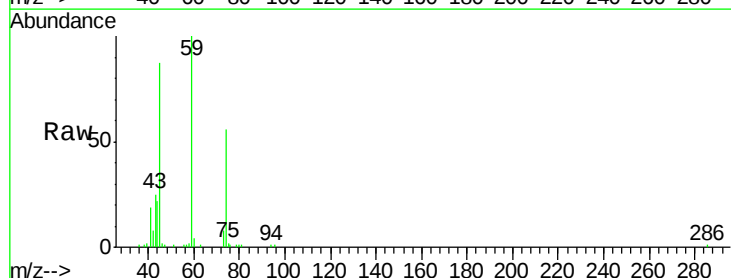
Tot Ion:101 Resp: 392770
Ion Ratio Lower Upper
101 100
103 61.3 51.8 77.8

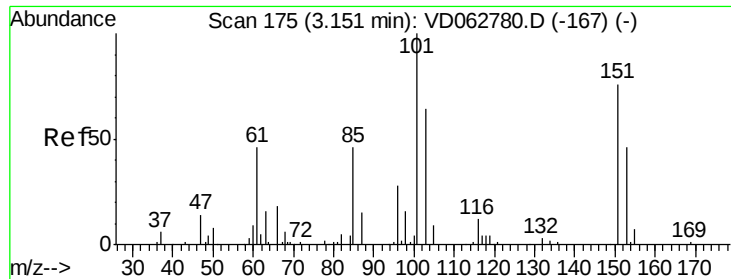


#8

Diethyl Ether
Concen: 24.069 ug/l
RT: 2.87 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Tgt Ion: 74 Resp: 57696
Ion Ratio Lower Upper
74 100
45 154.6 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.907 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

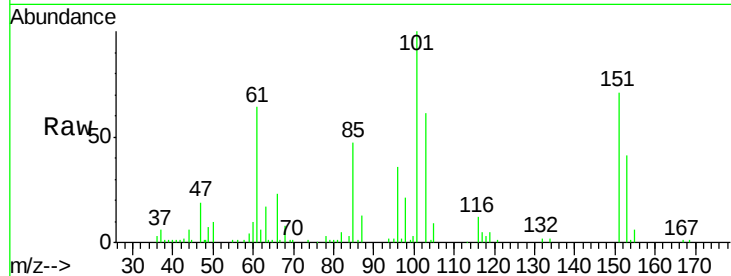
Tot Ion:101 Resp: 213687

Ion Ratio Lower Upper

101 100

85 47.2 37.0 55.4

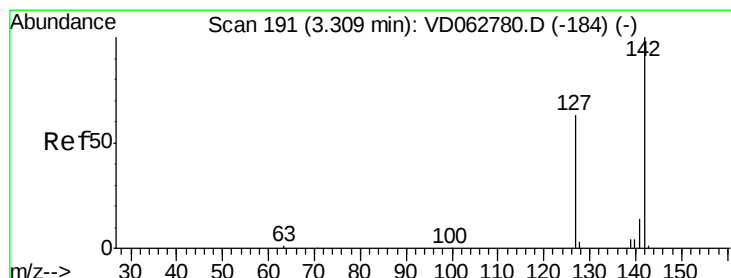
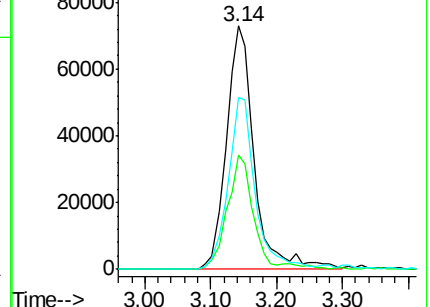
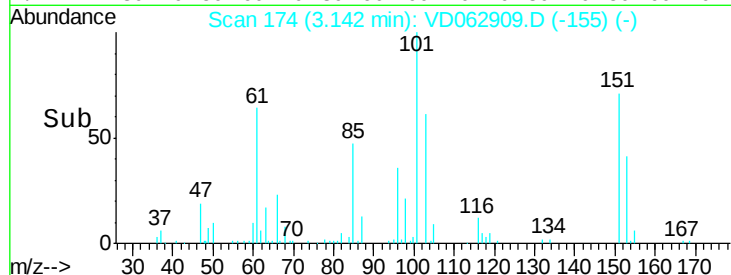
151 70.6 60.5 90.7



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: 19.343 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

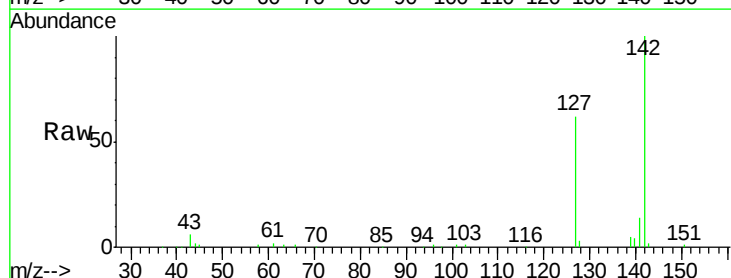
Tgt Ion:142 Resp: 260827

Ion Ratio Lower Upper

142 100

127 62.1 50.1 75.1

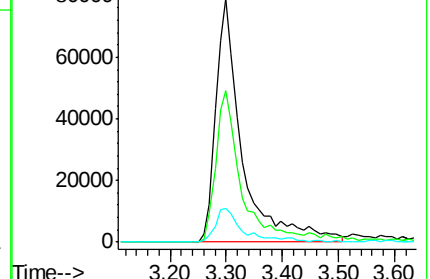
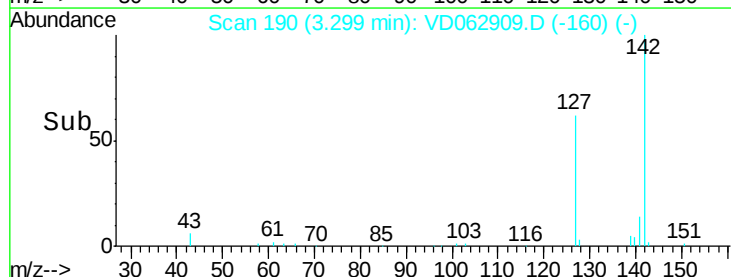
141 13.7 11.0 16.4

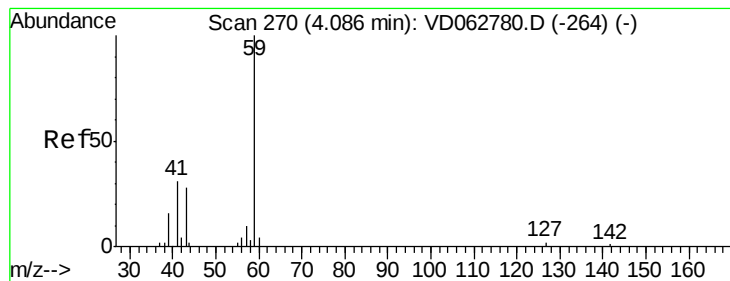


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



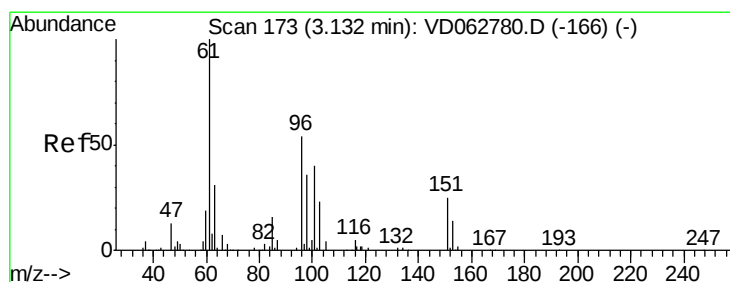
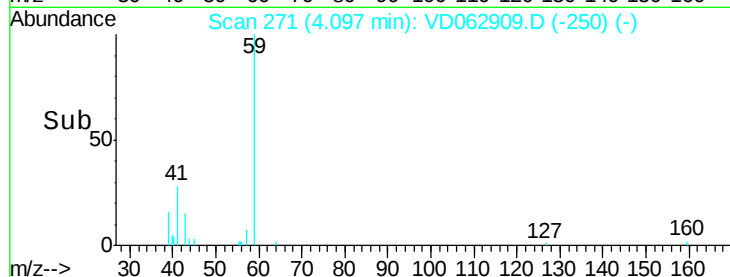
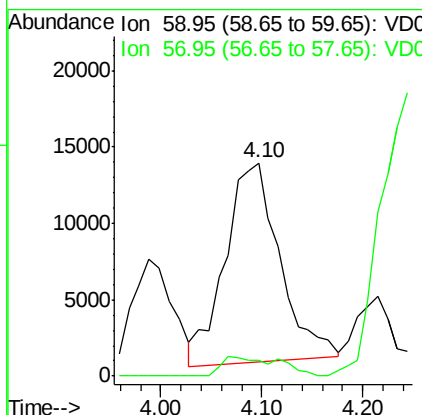
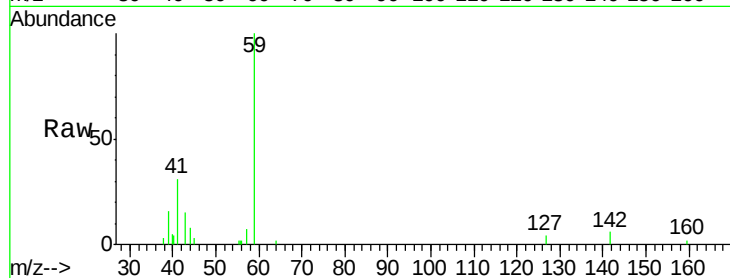


#11

Tert butyl alcohol
 Concen: 102.848 ug/l
 RT: 4.10 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

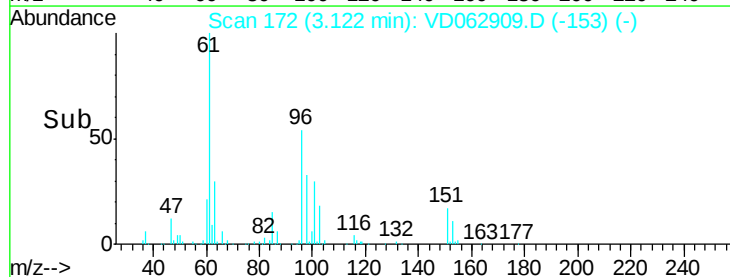
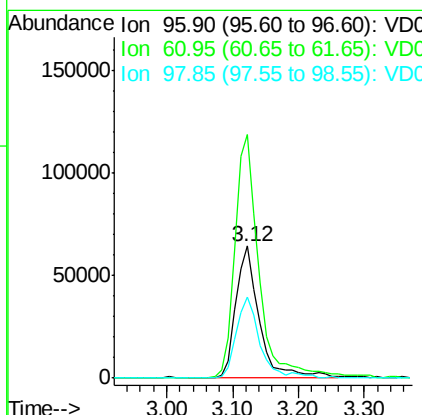
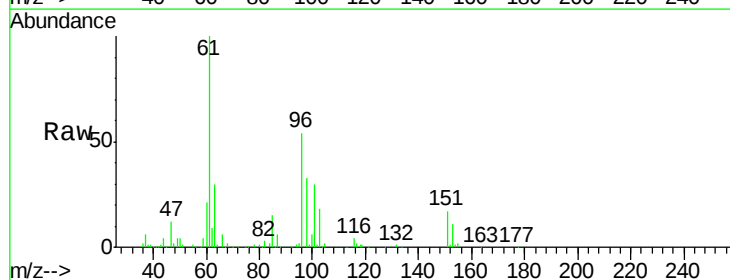
Tot Ion: 59 Resp: 49190
 Ion Ratio Lower Upper
 59 100
 57 7.5 6.6 10.0



#12

1,1-Dichloroethene
 Concen: 21.213 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Tgt Ion: 96 Resp: 162645
 Ion Ratio Lower Upper
 96 100
 61 184.8 147.1 220.7
 98 61.8 52.6 79.0





#13

Acrolein

Concen: 83.145 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

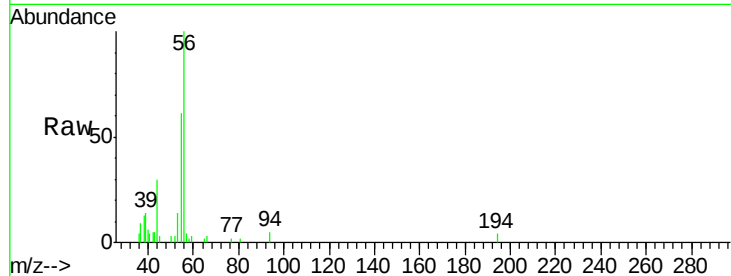
VD0626SBS01

Tot Ion: 56 Resp: 40597

Ion Ratio Lower Upper

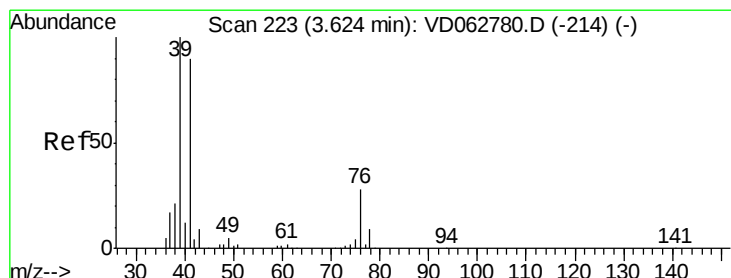
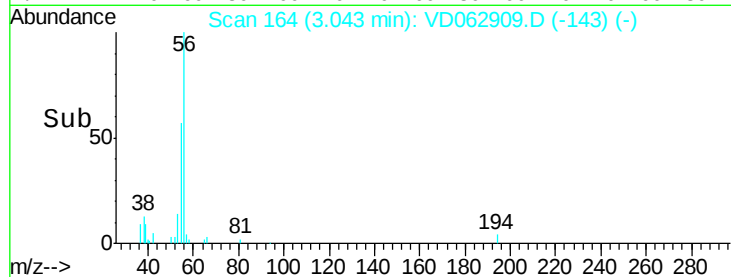
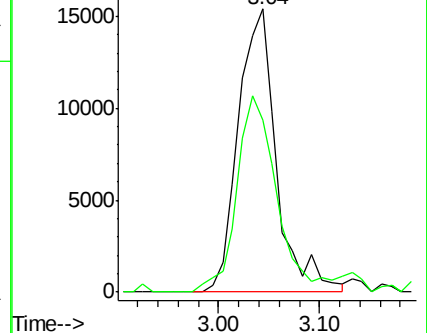
56 100

55 61.0 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.547 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

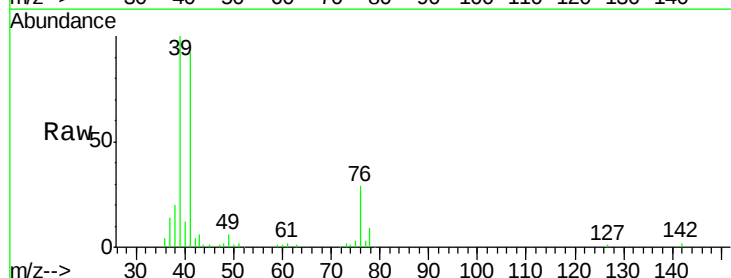
Tgt Ion: 41 Resp: 244112

Ion Ratio Lower Upper

41 100

39 109.2 88.8 133.2

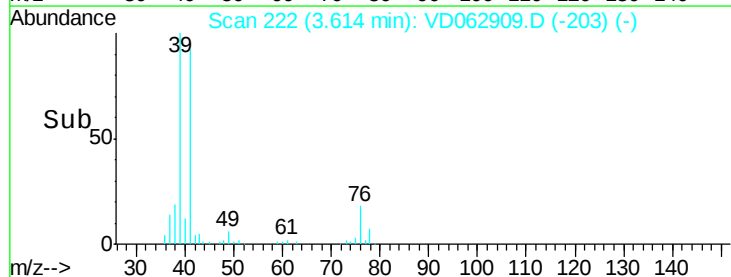
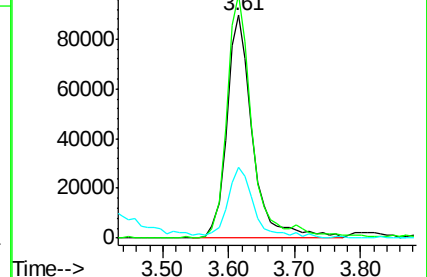
76 31.5 26.7 40.1

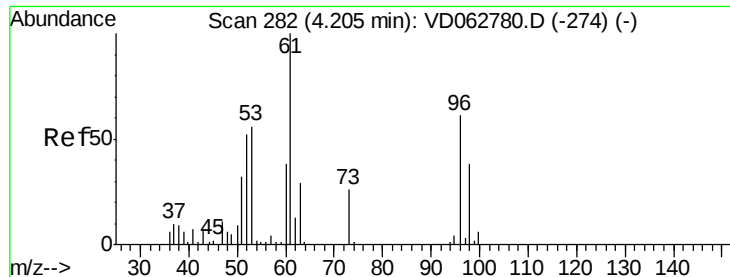


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 111.976 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

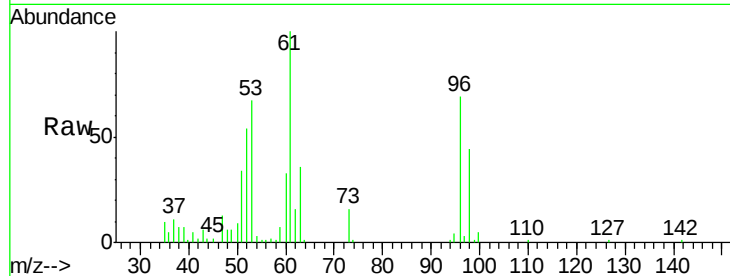
Tot Ion: 53 Resp: 125842

Ion Ratio Lower Upper

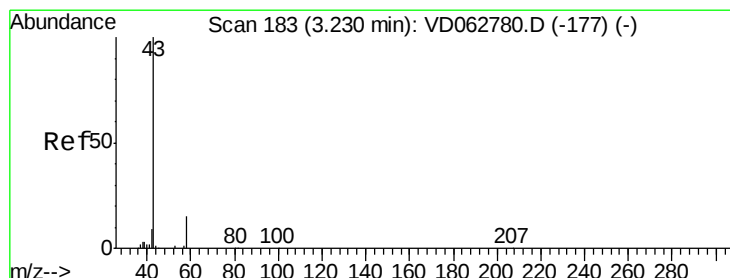
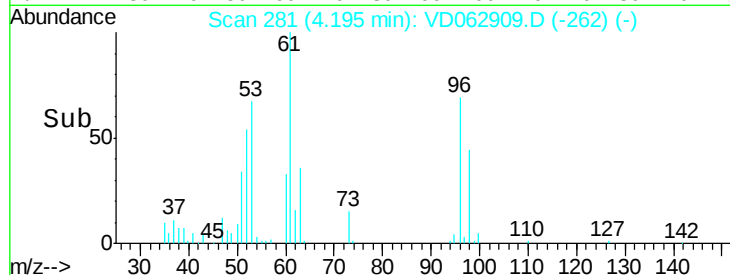
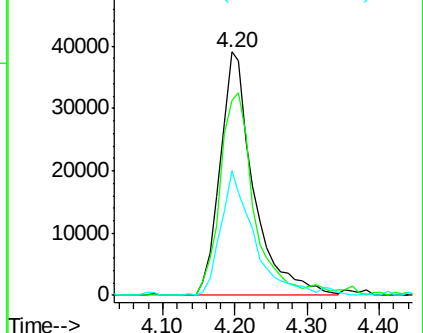
53 100

52 80.2 73.3 109.9

51 51.1 44.8 67.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 95.299 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062909.D

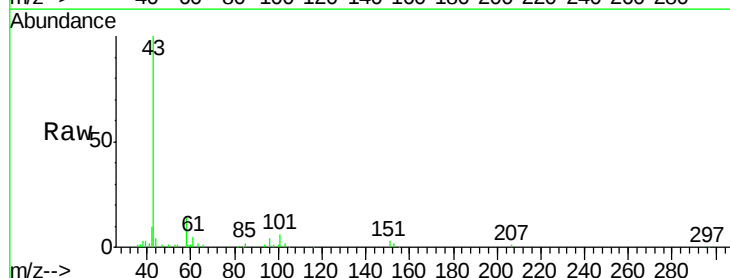
Acq: 26 Jun 2019 11:27

Tgt Ion: 43 Resp: 212165

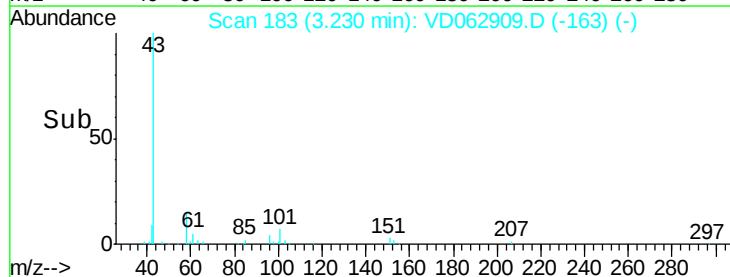
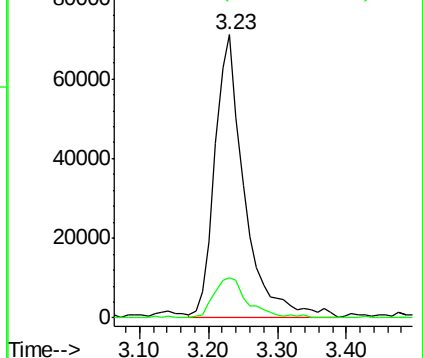
Ion Ratio Lower Upper

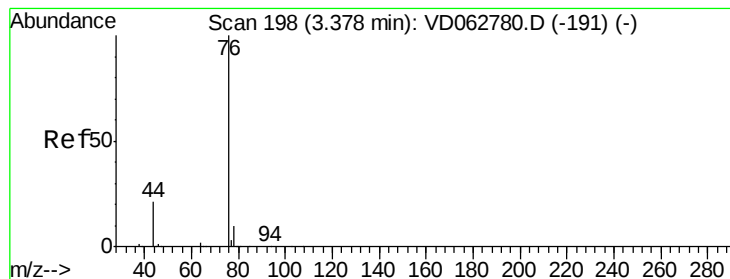
43 100

58 14.4 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.274 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

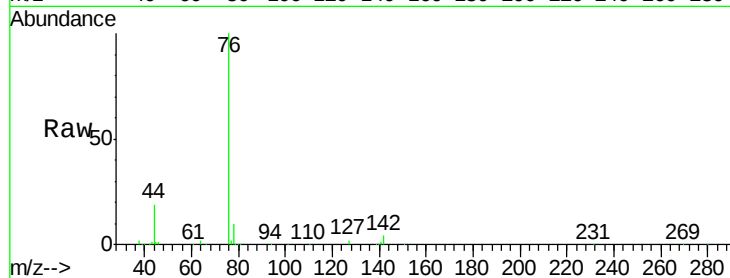
VD0626SBS01

Tot Ion: 76 Resp: 496811

Ion Ratio Lower Upper

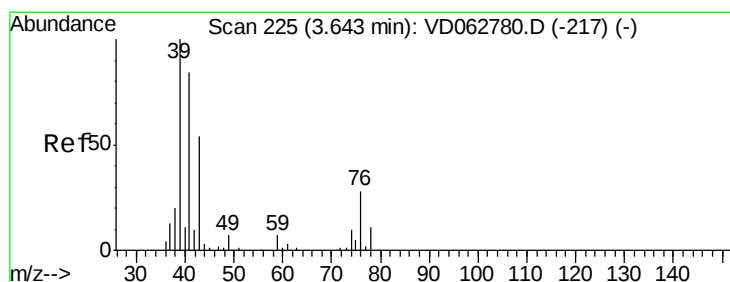
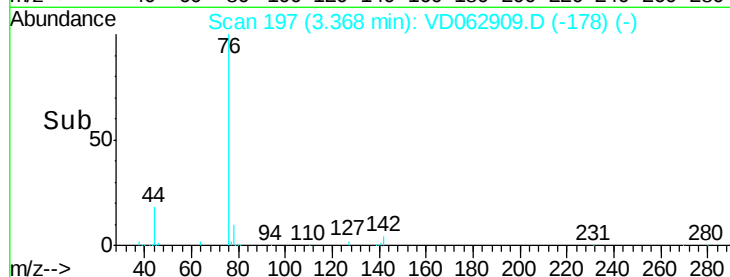
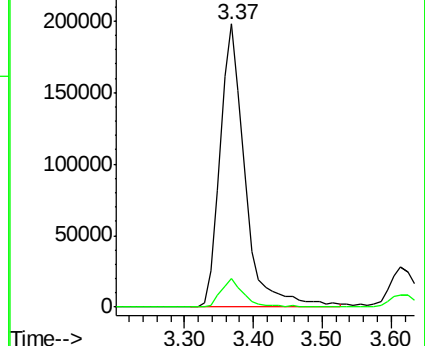
76 100

78 10.0 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 27.919 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD062909.D

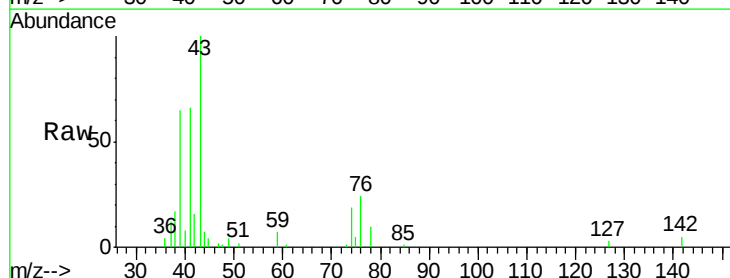
Acq: 26 Jun 2019 11:27

Tgt Ion: 43 Resp: 88505

Ion Ratio Lower Upper

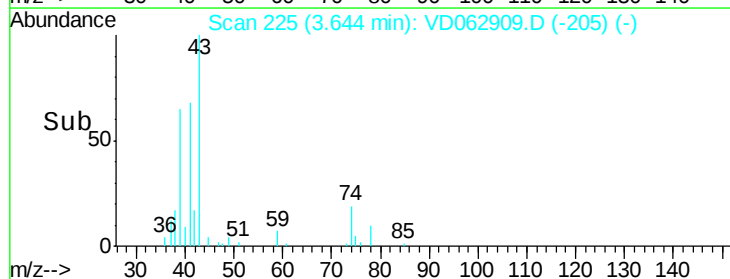
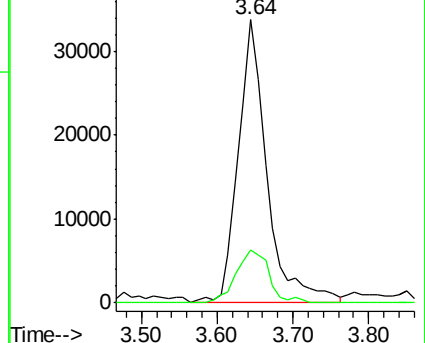
43 100

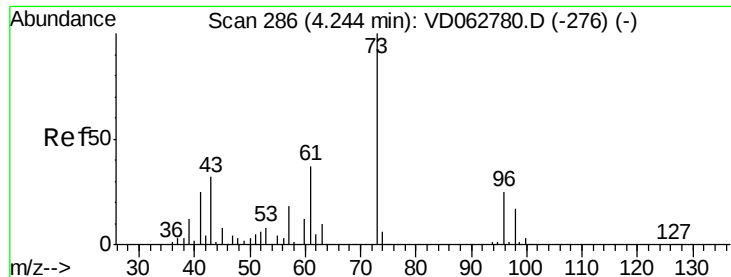
74 18.7 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

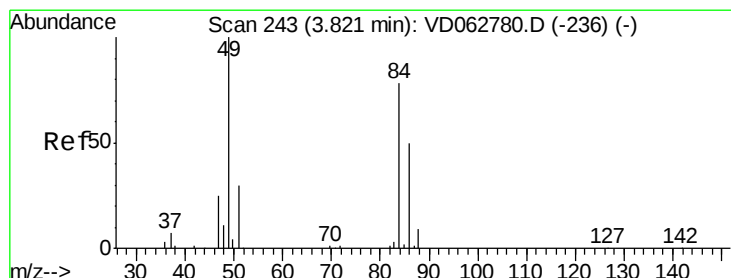
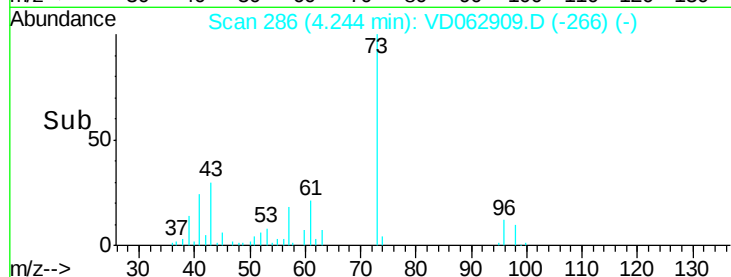
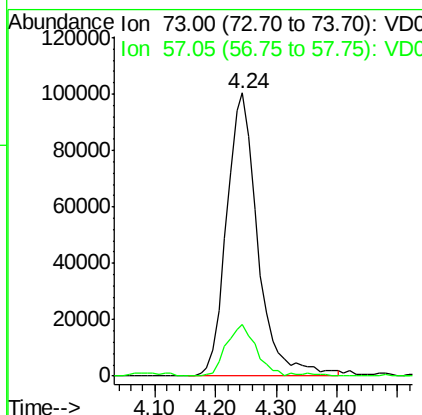
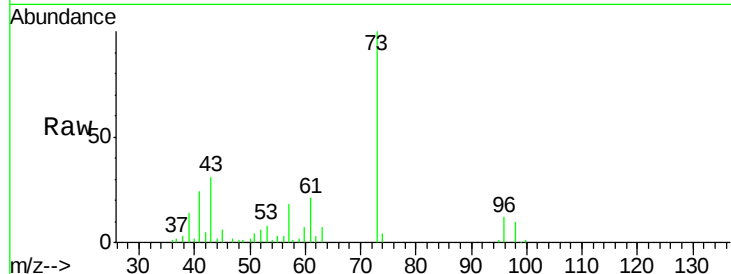




#19
Methvl tert-butvl Ether
Concen: 21.657 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

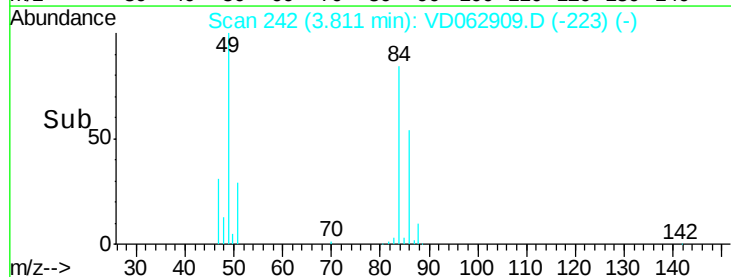
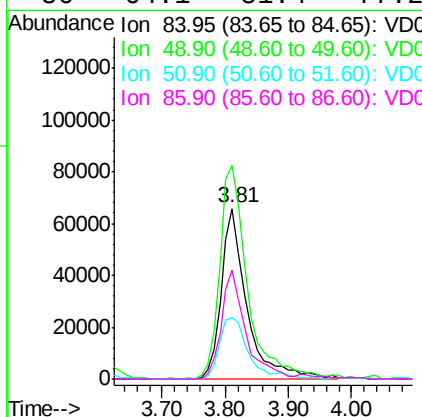
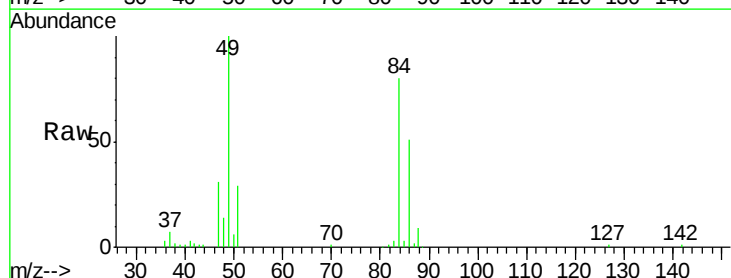
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

Tot Ion: 73 Resp: 359470
Ion Ratio Lower Upper
73 100
57 18.5 14.3 21.5



#20
Methylene Chloride
Concen: 23.252 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Tgt Ion: 84 Resp: 186221
Ion Ratio Lower Upper
84 100
49 125.4 102.9 154.3
51 36.3 31.2 46.8
86 64.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 21.776 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

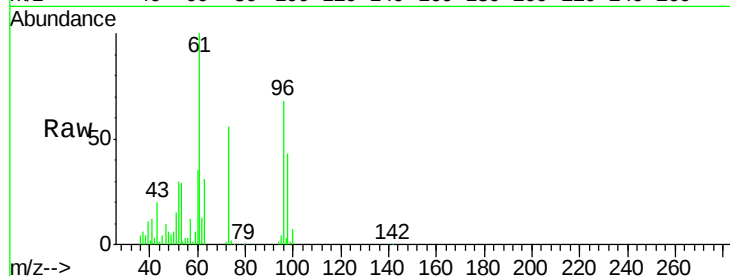
Tot Ion: 96 Resp: 177775

Ion Ratio Lower Upper

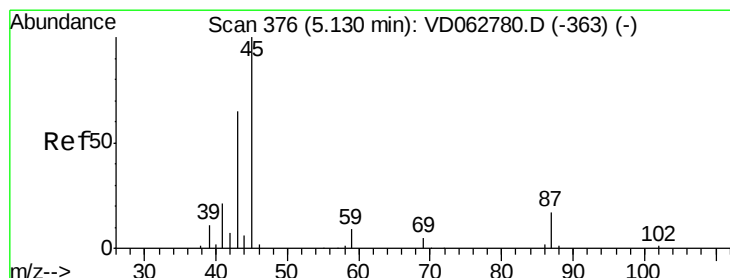
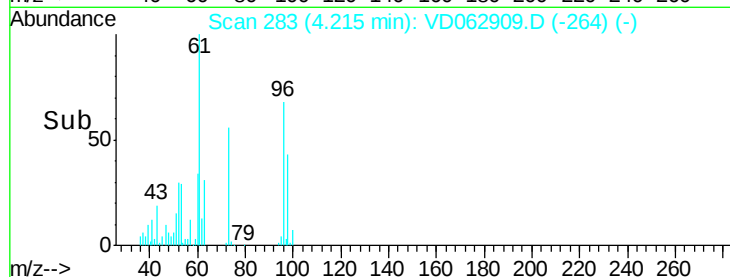
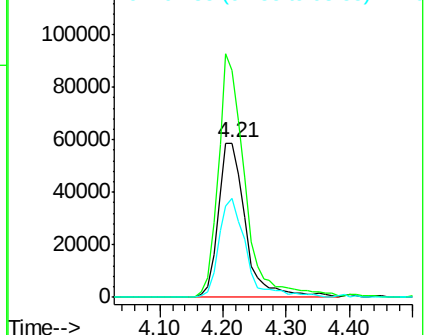
96 100

61 147.6 131.0 196.4

98 64.0 53.2 79.8



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



#22

Diisopropyl ether

Concen: 21.204 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Tgt Ion: 45 Resp: 488539

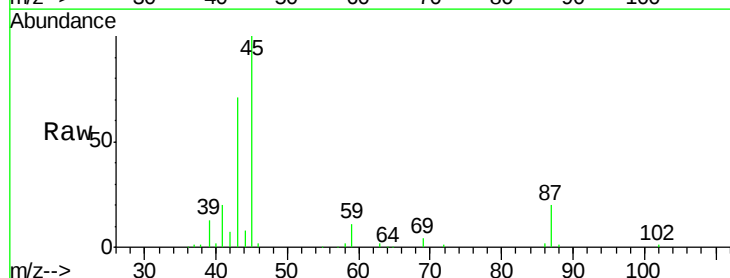
Ion Ratio Lower Upper

45 100

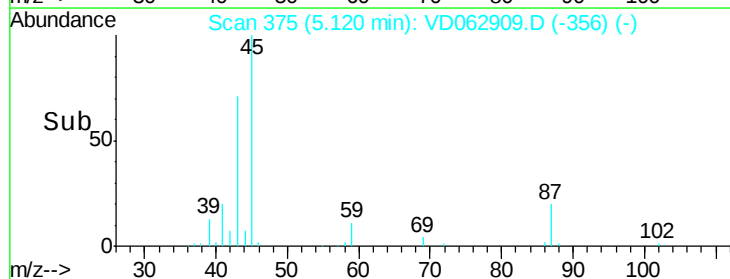
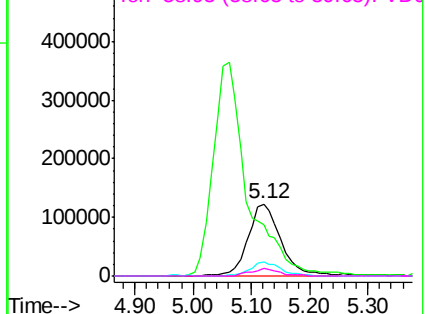
43 71.1 53.4 80.0

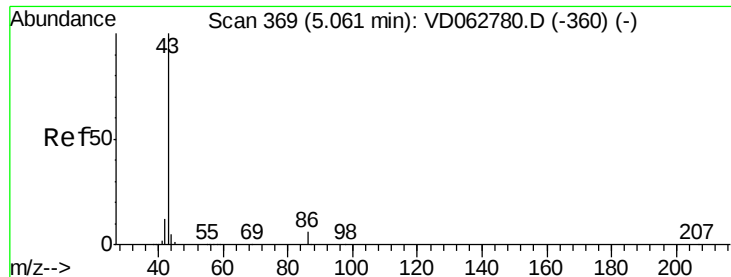
87 19.6 14.6 22.0

59 10.7 7.8 11.8



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: 103.027 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

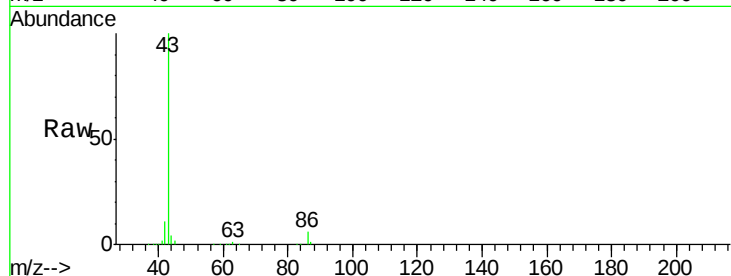
VD0626SBS01

Tot Ion: 43 Resp: 1485333

Ion Ratio Lower Upper

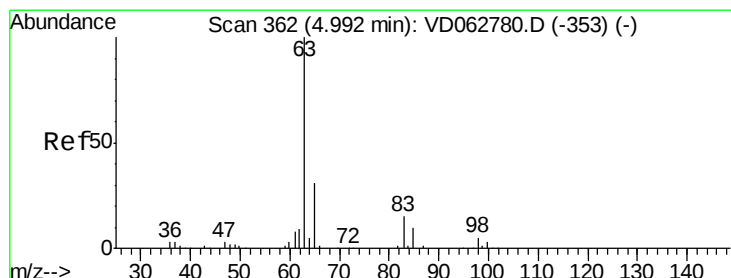
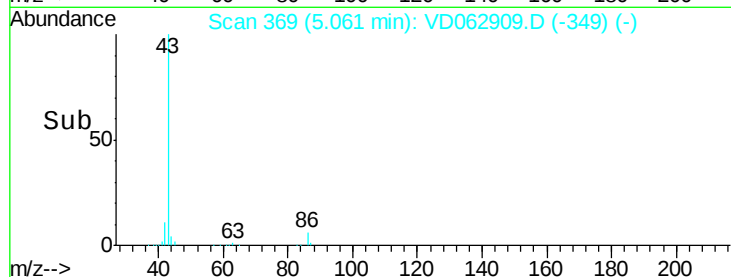
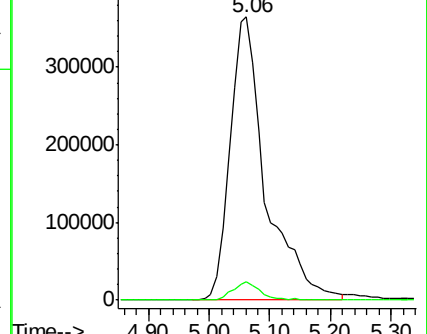
43 100

86 6.5 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.803 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.02 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

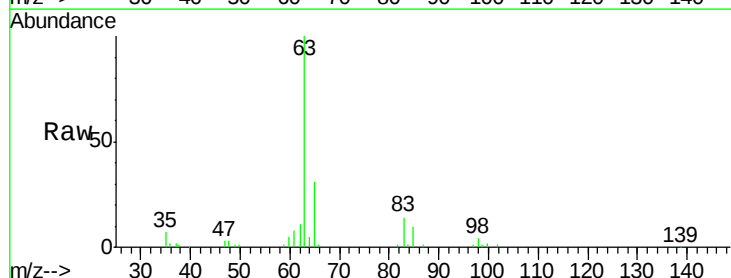
Tgt Ion: 63 Resp: 312056

Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.9

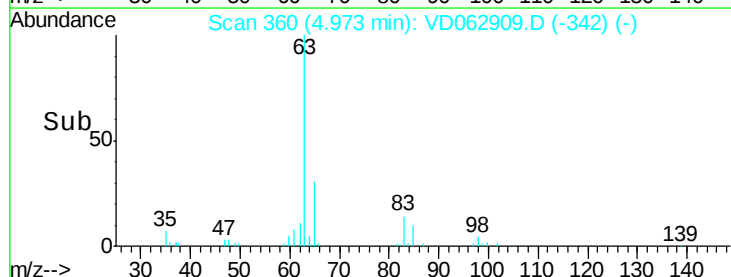
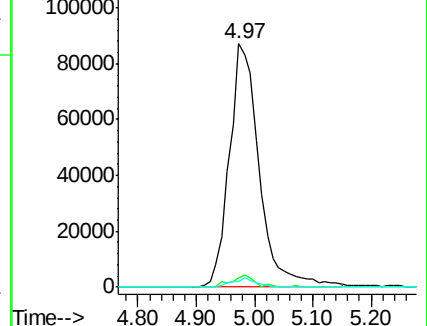
100 2.2 1.7 5.1

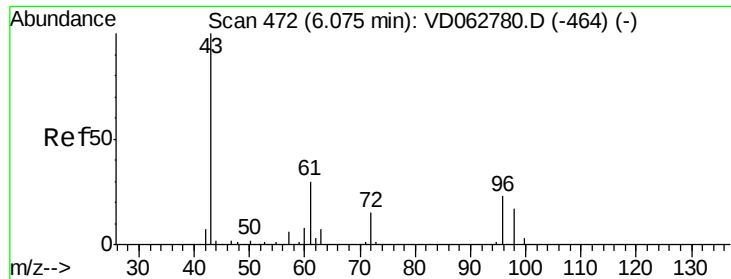


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 110.171 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

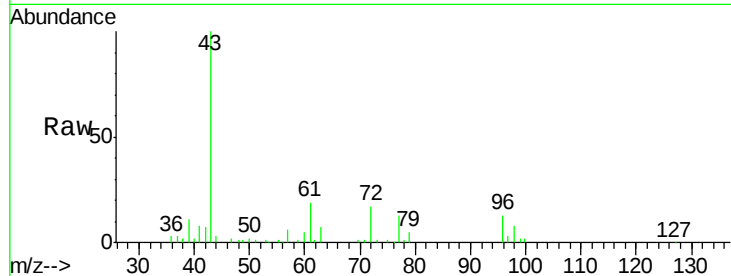
VD0626SBS01

Tot Ion: 43 Resp: 216383

Ion Ratio Lower Upper

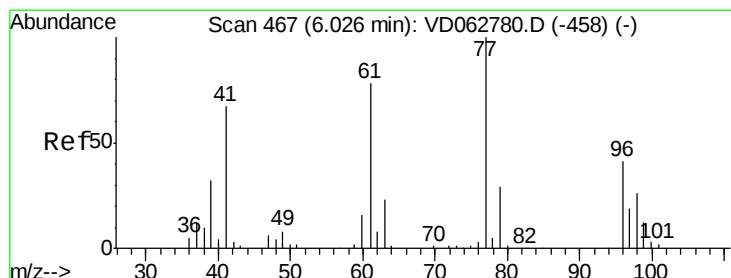
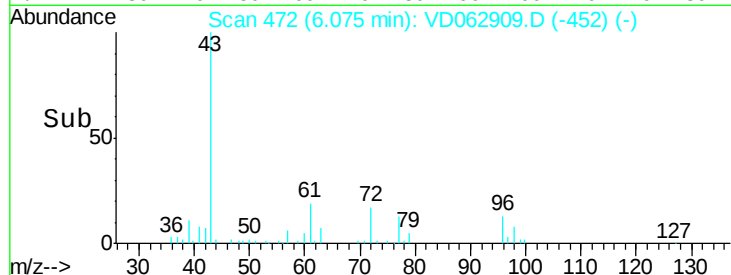
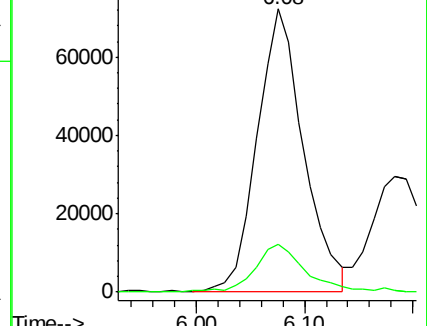
43 100

72 16.8 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.201 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062909.D

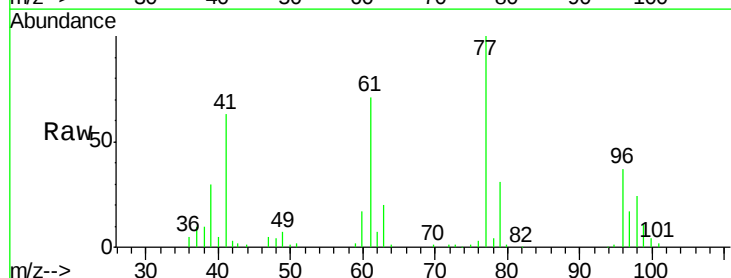
Acq: 26 Jun 2019 11:27

Tgt Ion: 77 Resp: 337092

Ion Ratio Lower Upper

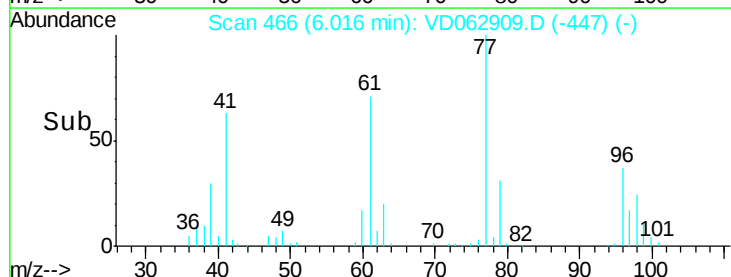
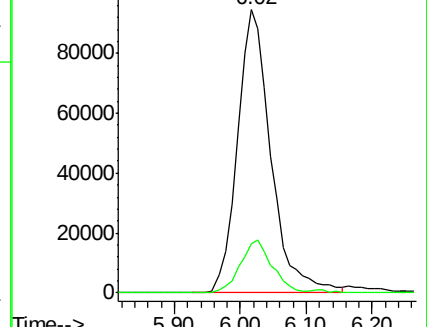
77 100

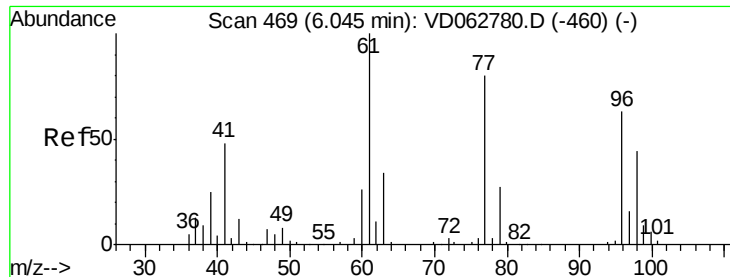
97 17.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



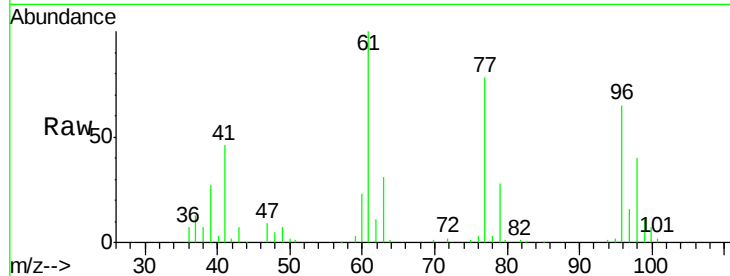


#27

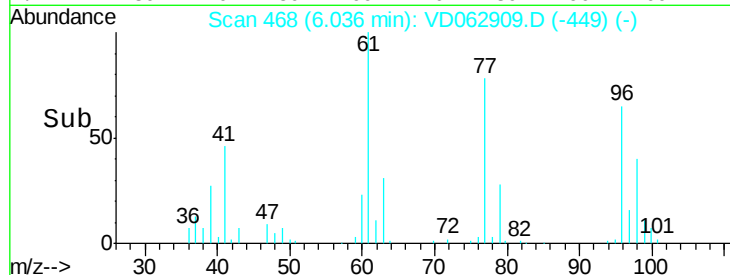
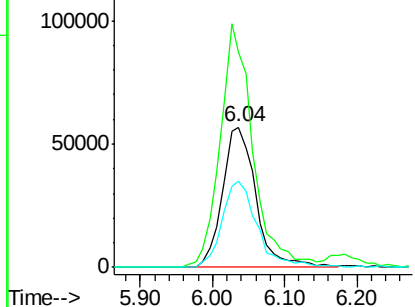
cis-1,2-Dichloroethene
 Concen: 21.195 ug/l
 RT: 6.04 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.5	0.0	316.0
98	61.4	0.0	138.4



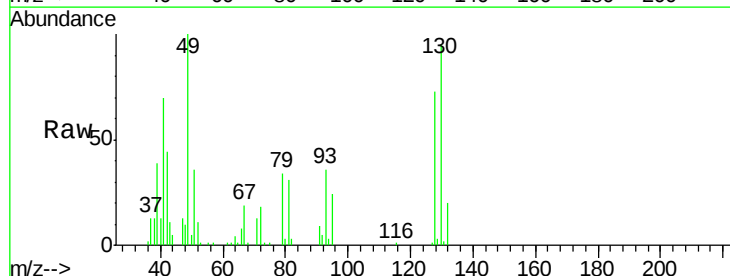
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



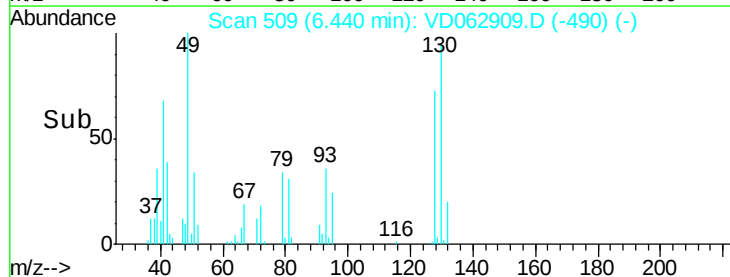
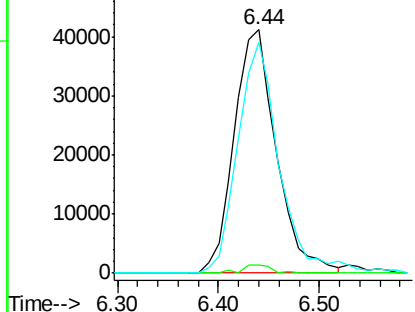
#28

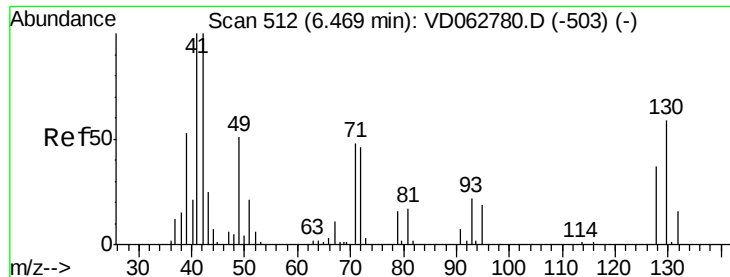
Bromochloromethane
 Concen: 22.726 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.6
130	94.8	76.6	114.8



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





#29

Tetrahydrofuran

Concen: 111.703 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

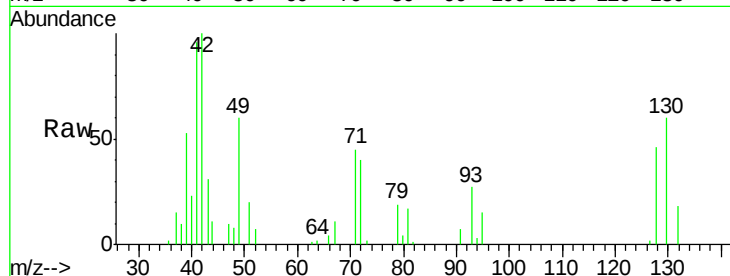
Tot Ion: 42 Resp: 103803

Ion Ratio Lower Upper

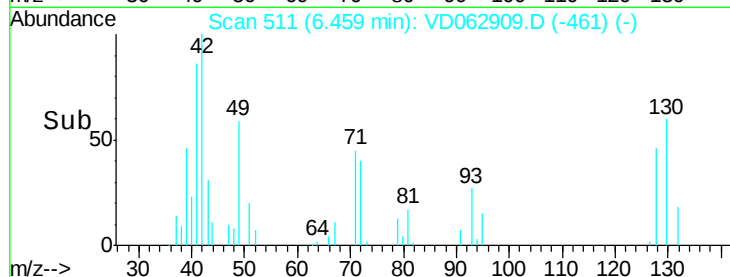
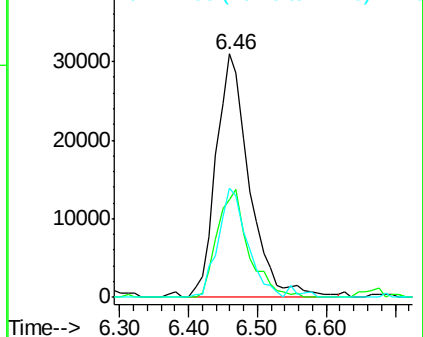
42 100

72 41.3 35.0 52.6

71 39.3 33.3 49.9



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



#30

Chloroform

Concen: 21.233 ug/l

RT: 6.67 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD062909.D

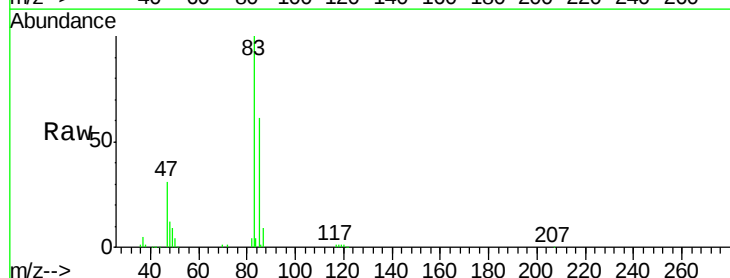
Acq: 26 Jun 2019 11:27

Tgt Ion: 83 Resp: 387357

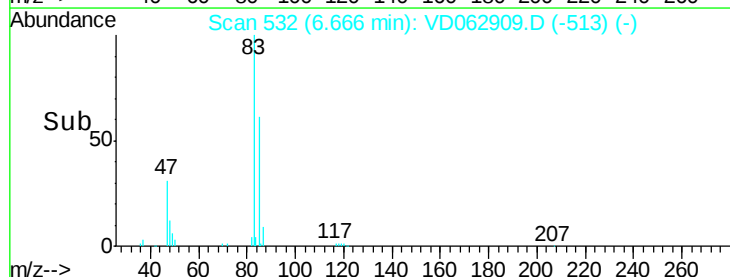
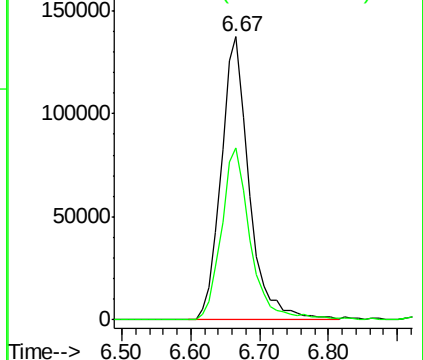
Ion Ratio Lower Upper

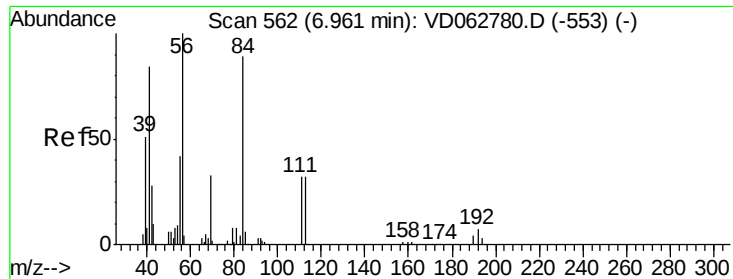
83 100

85 61.0 49.8 74.6



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

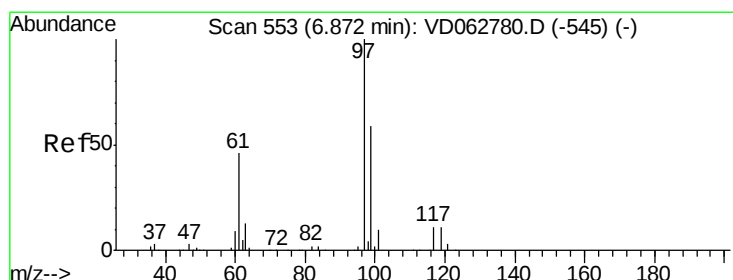
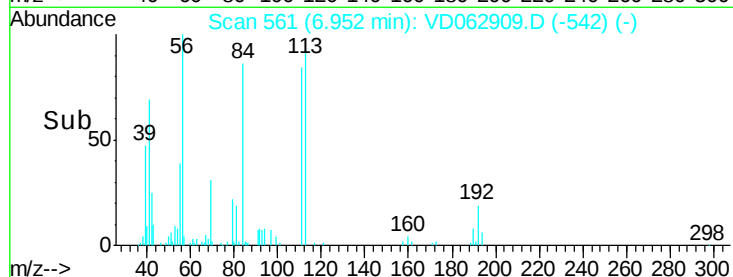
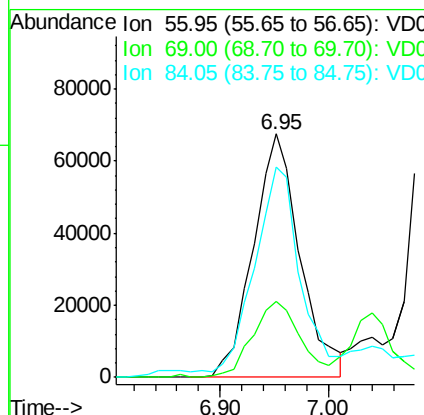
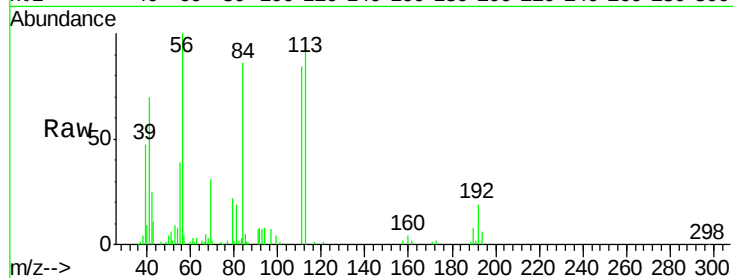




#31
Cyclohexane
Concen: 20.516 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

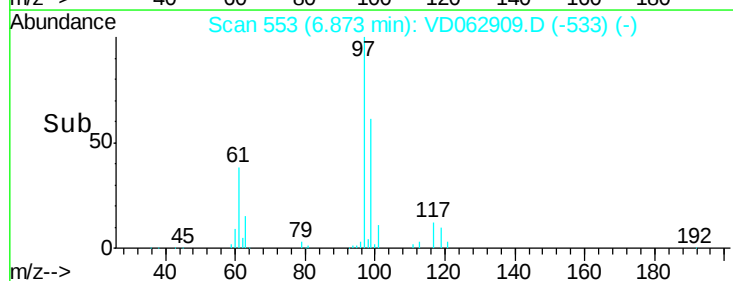
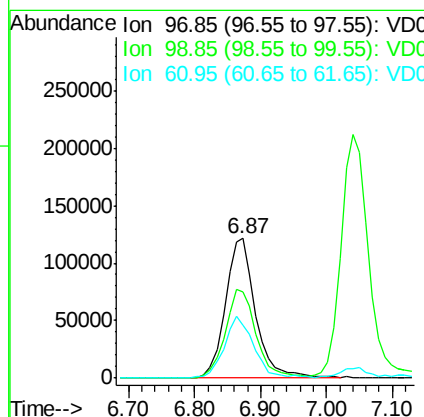
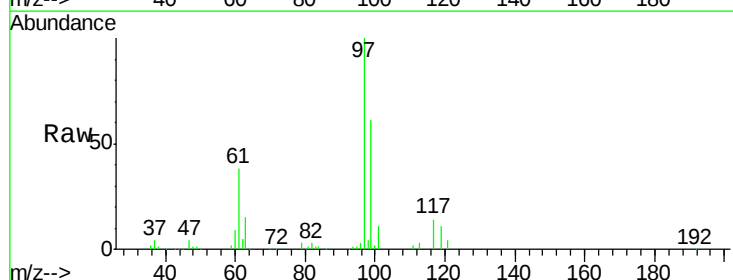
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

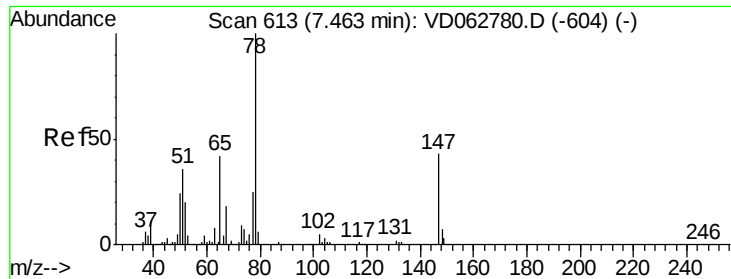
Tot Ion: 56 Resp: 202321
Ion Ratio Lower Upper
56 100
69 31.4 26.6 39.8
84 86.3 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 20.320 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Tgt Ion: 97 Resp: 386111
Ion Ratio Lower Upper
97 100
99 61.2 47.4 71.2
61 38.2 37.2 55.8





#33

1,2-Dichloroethane-d4

Concen: 51.916 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

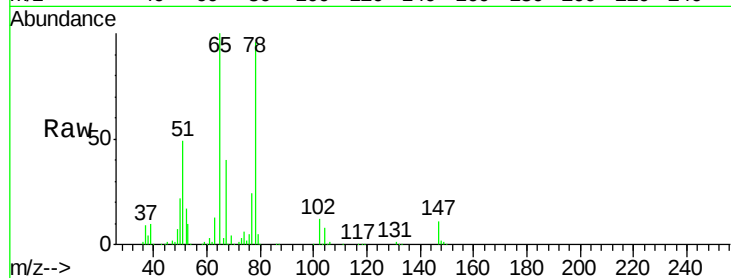
VD0626SBS01

Tot Ion: 65 Resp: 545186

Ion Ratio Lower Upper

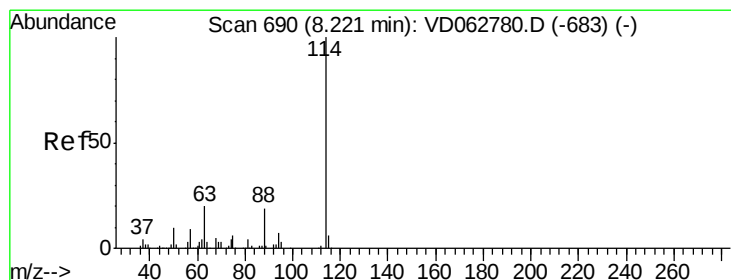
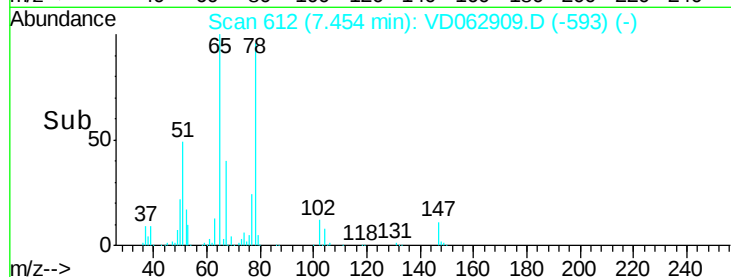
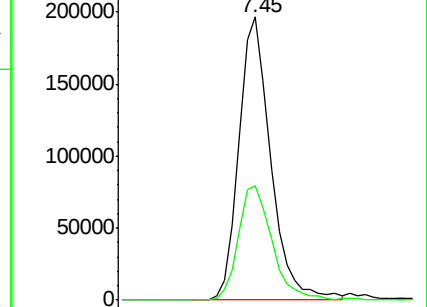
65 100

67 40.2 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

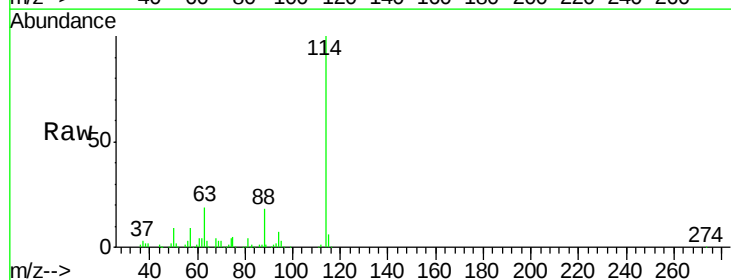
Tgt Ion: 114 Resp: 1398368

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

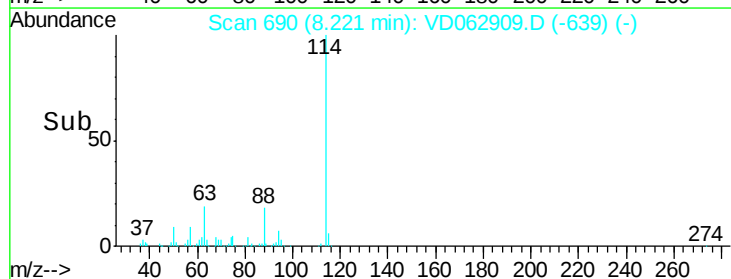
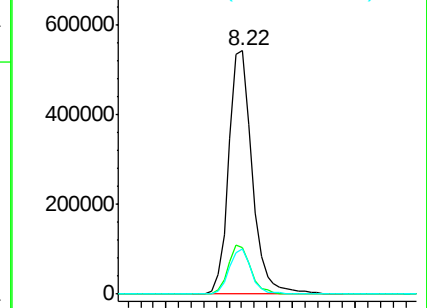
88 18.3 0.0 38.8

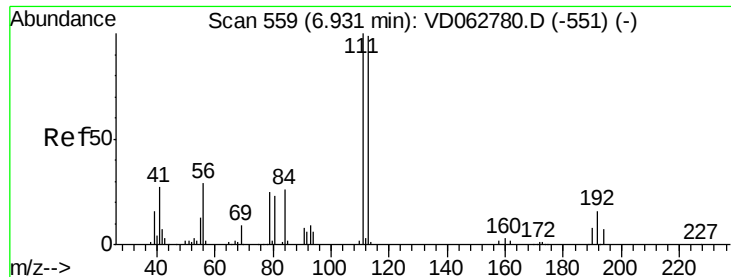


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

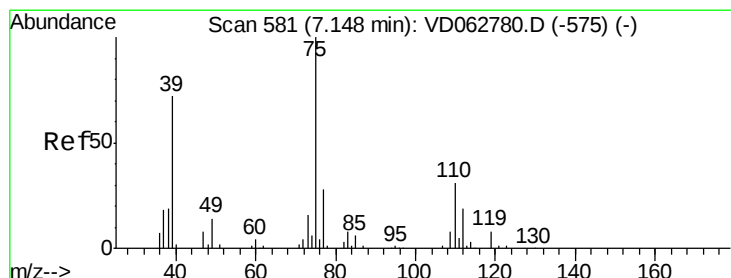
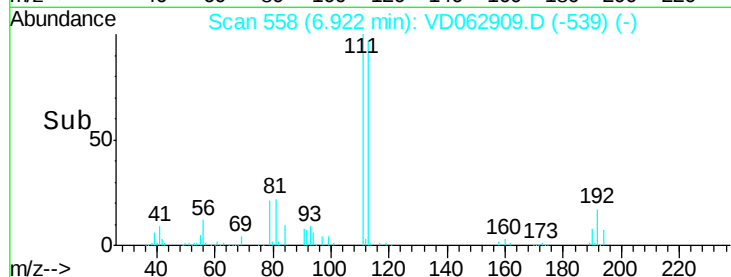
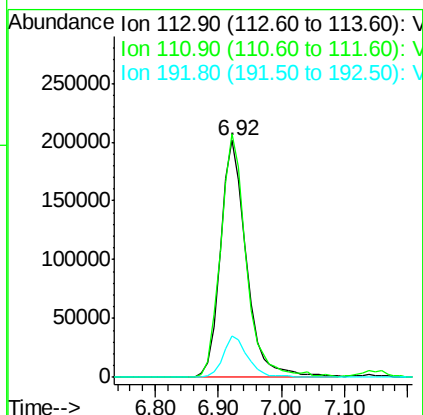
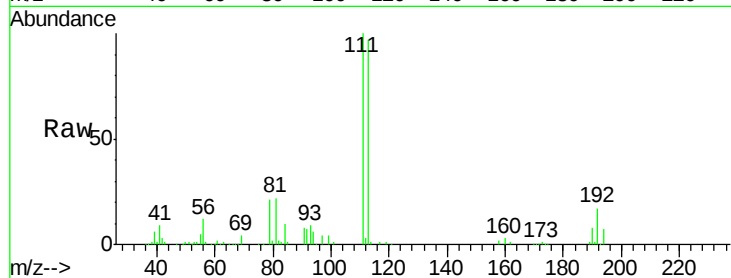




#35
 Dibromofluoromethane
 Concen: 48.777 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

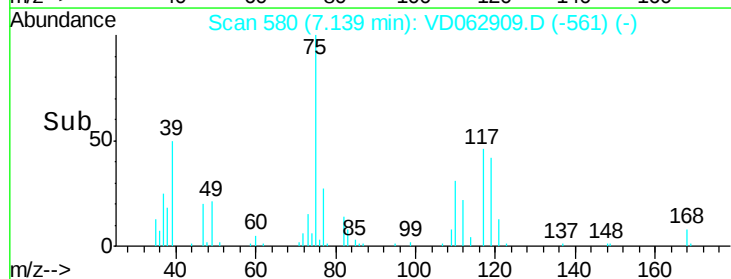
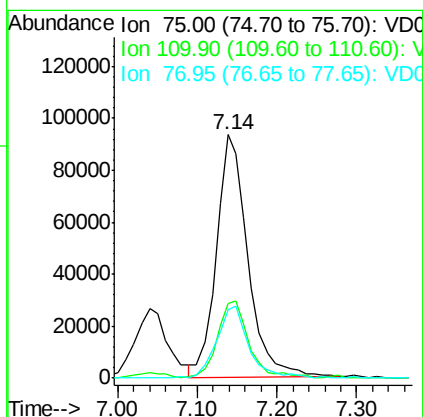
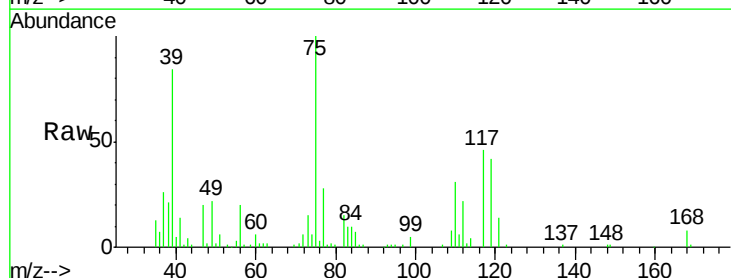
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

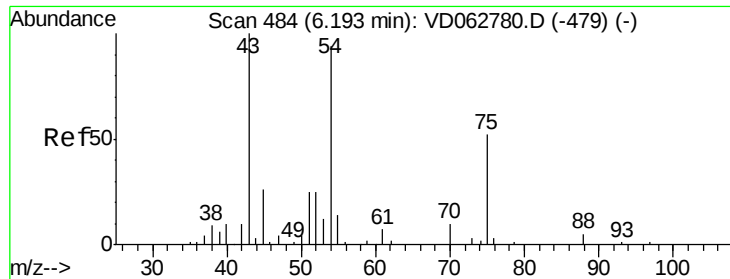
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.2	121.8
192	17.7	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 19.481 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.8	15.0	45.1
77	28.1	22.2	33.2

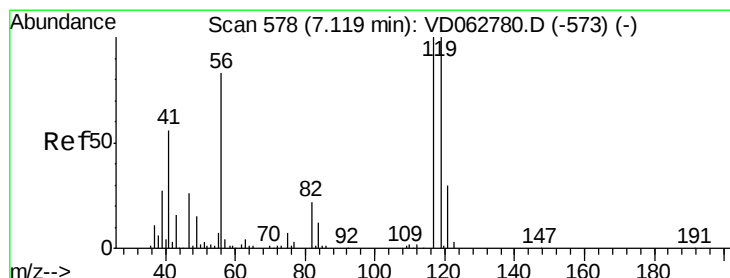
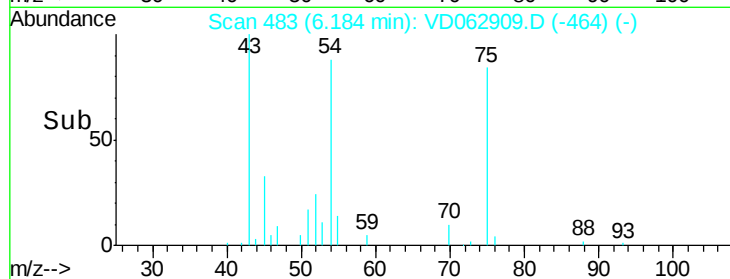
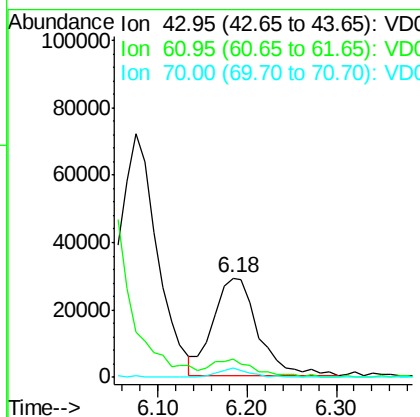
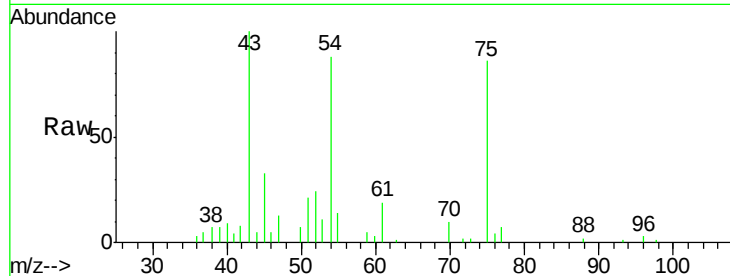




#37
Ethyl Acetate
Concen: 17.855 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

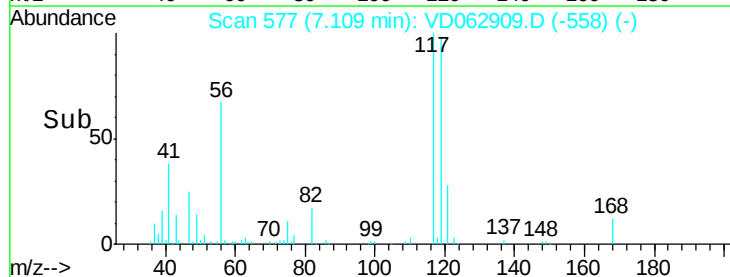
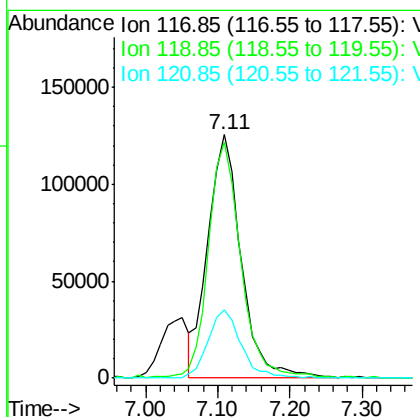
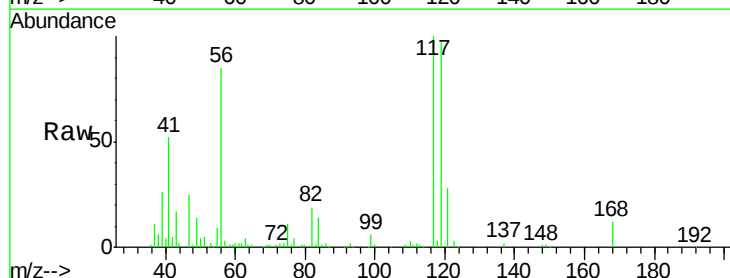
Instrument :
MSVOA_D
ClientSampleID :
VD0626SBS01

Tot Ion: 43 Resp: 103222
Ion Ratio Lower Upper
43 100
61 18.6 11.6 17.4#
70 9.5 6.4 9.6



#38
Carbon Tetrachloride
Concen: 19.904 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Tgt Ion: 117 Resp: 396265
Ion Ratio Lower Upper
117 100
119 97.1 75.4 113.2
121 27.9 22.3 33.5





#39

Methvlcvclohexane

Concen: 18.652 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

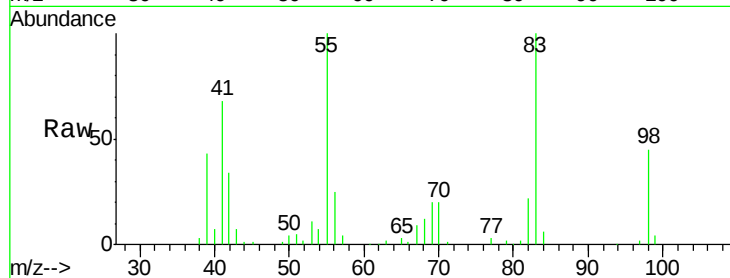
Tot Ion: 83 Resp: 217342

Ion Ratio Lower Upper

83 100

55 99.6 76.6 115.0

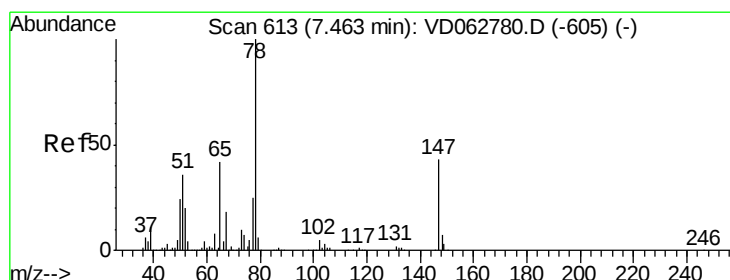
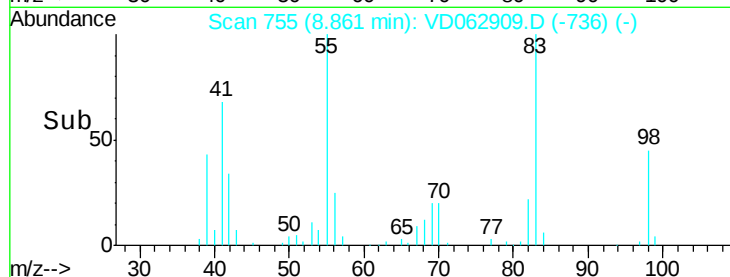
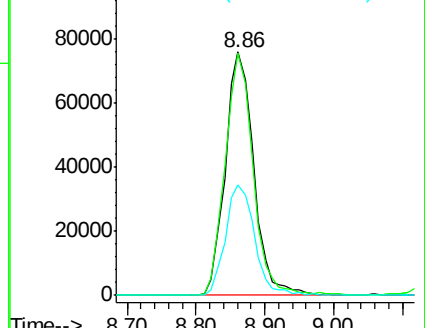
98 45.3 35.7 53.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.952 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062909.D

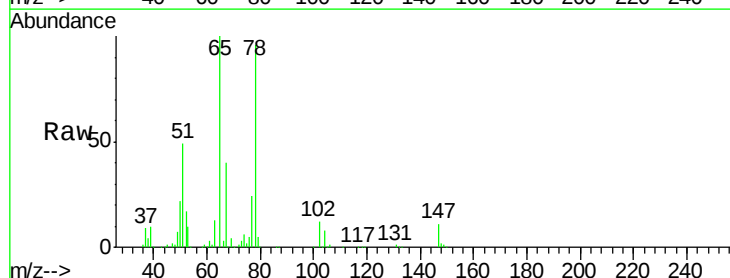
Acq: 26 Jun 2019 11:27

Tgt Ion: 78 Resp: 530171

Ion Ratio Lower Upper

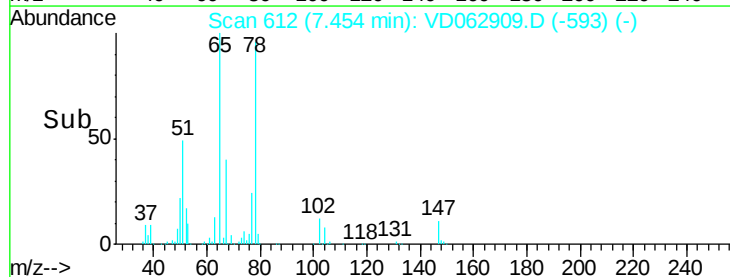
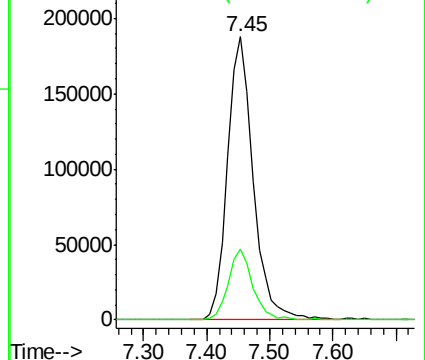
78 100

77 25.0 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

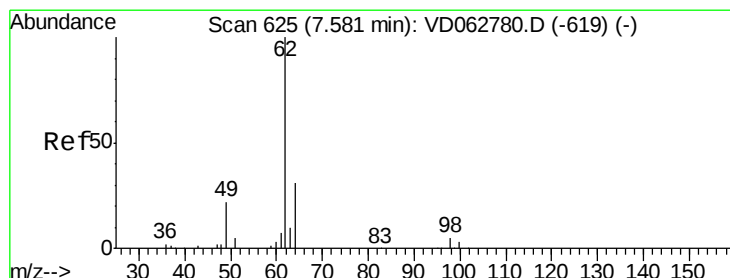
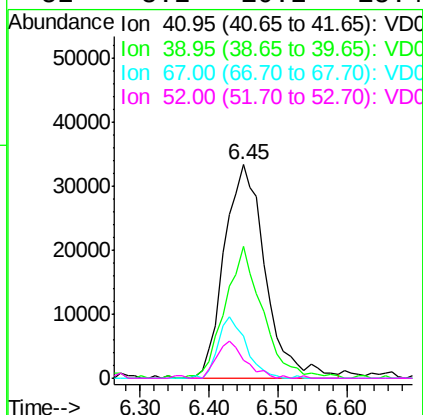
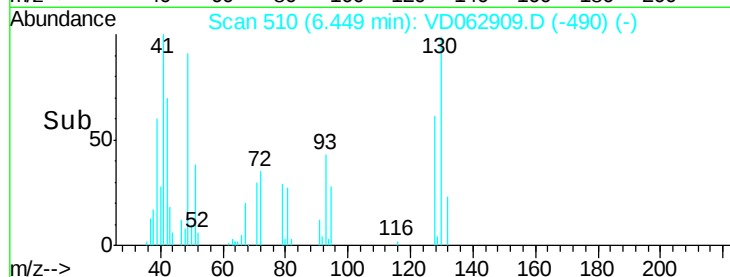
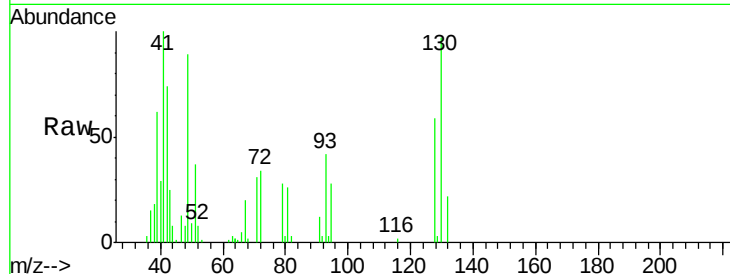




#41
Methacrylonitrile
Concen: 19.722 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

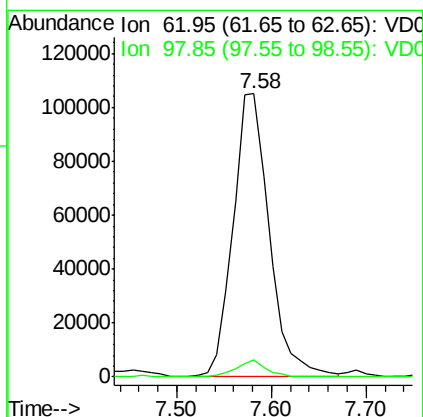
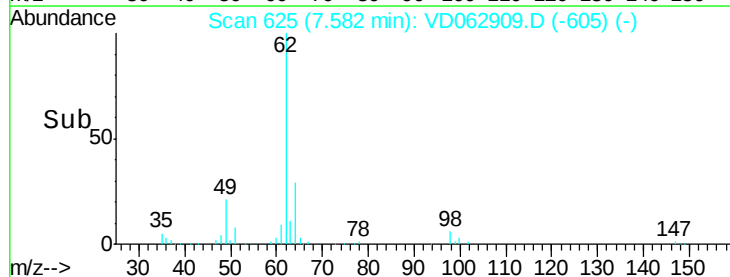
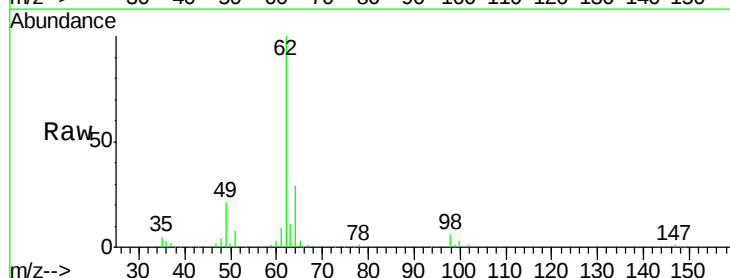
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

Tot Ion: 41 Resp: 137679
Ion Ratio Lower Upper
41 100
39 61.8 43.2 64.8
67 19.5 19.9 29.9#
52 8.2 10.2 15.4#



#42
1,2-Dichloroethane
Concen: 19.317 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Tgt Ion: 62 Resp: 280007
Ion Ratio Lower Upper
62 100
98 6.1 0.0 10.0



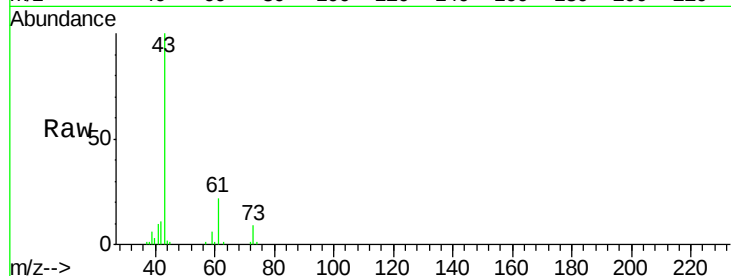


#43

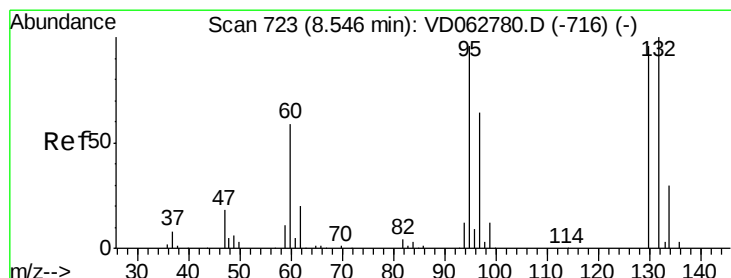
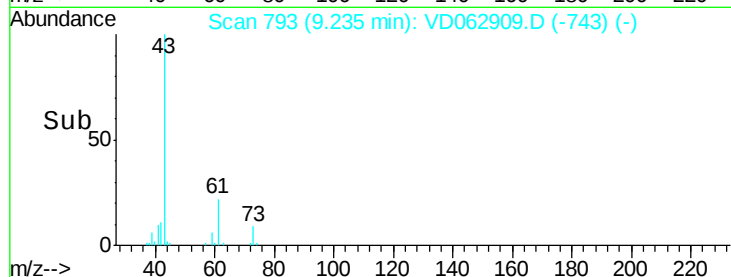
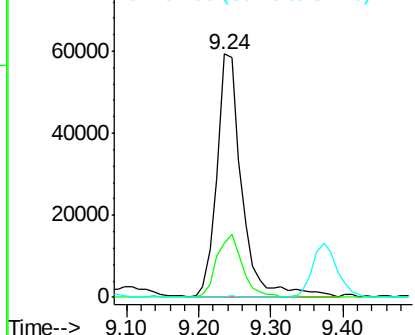
Isopropyl Acetate
 Concen: 20.516 ug/l
 RT: 9.24 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Tot Ion	43	Resp	142380
Ion Ratio	Lower	Upper	
43	100		
61	22.2	22.4	33.6#
87	0.0	0.3	0.5#



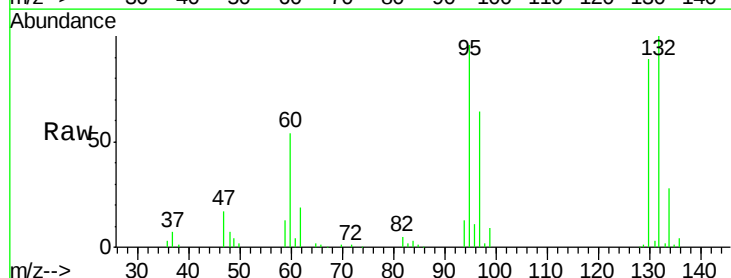
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



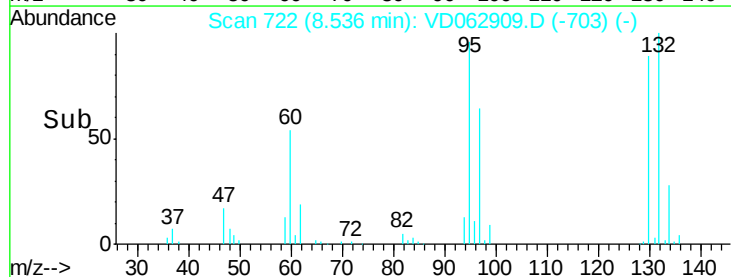
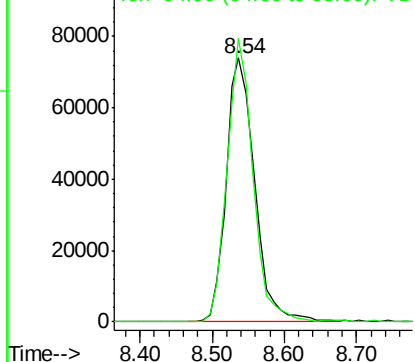
#44

Trichloroethene
 Concen: 19.501 ug/l
 RT: 8.54 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Tgt Ion	130	Resp	203150
Ion Ratio	Lower	Upper	
130	100		
95	107.3	0.0	201.6



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





#45

1,2-Dichloropropane

Concen: 20.039 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

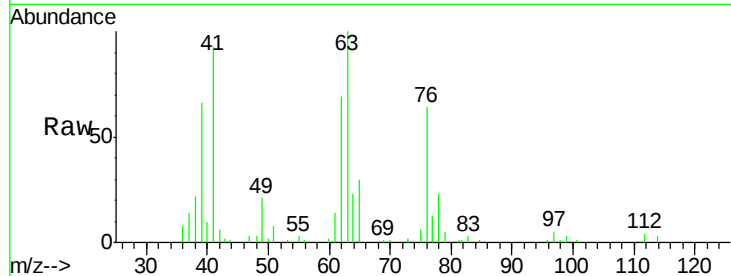
VD0626SBS01

Tot Ion: 63 Resp: 132403

Ion Ratio Lower Upper

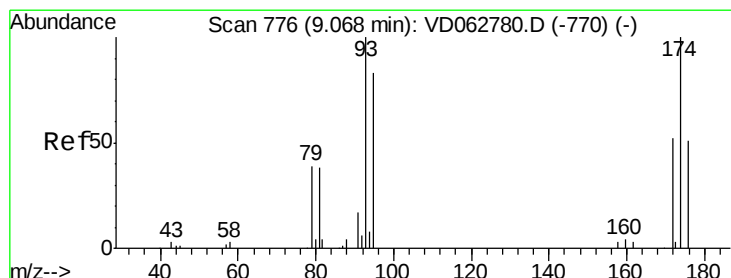
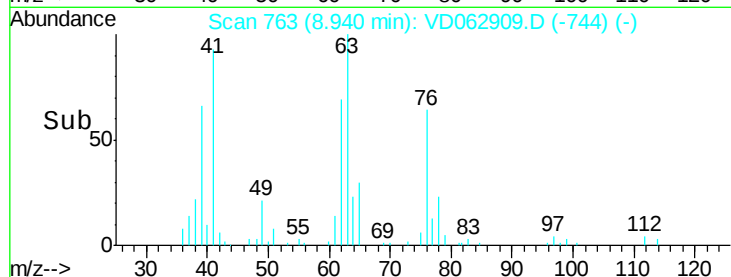
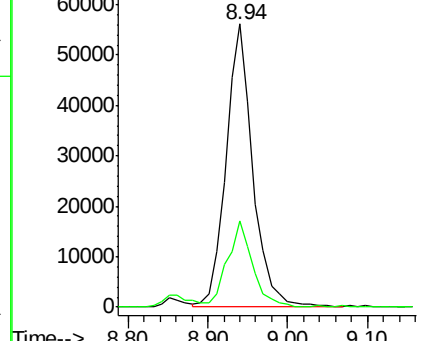
63 100

65 30.5 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.285 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

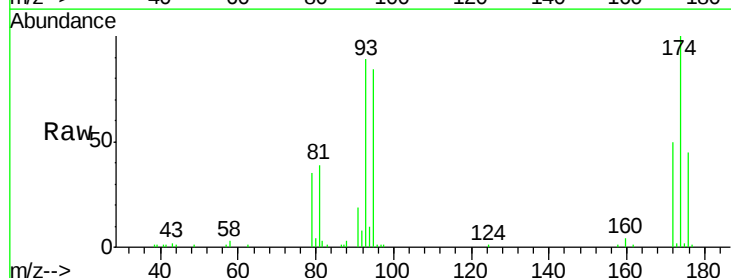
Tgt Ion: 93 Resp: 109454

Ion Ratio Lower Upper

93 100

95 93.6 66.6 100.0

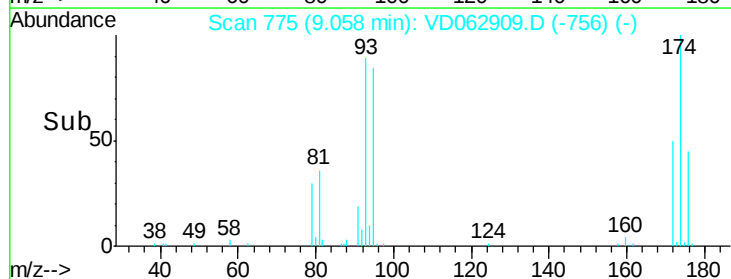
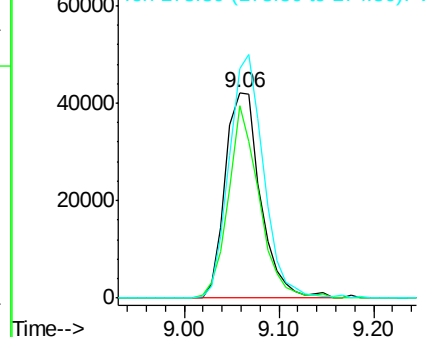
174 111.9 79.7 119.5

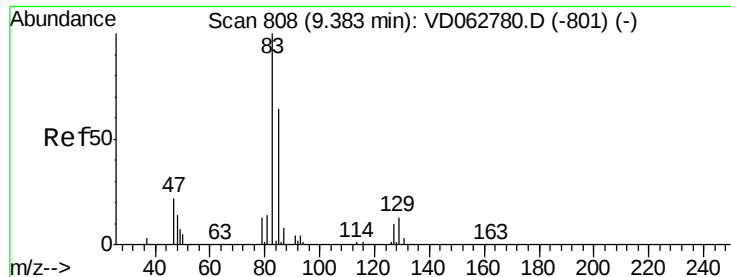


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.861 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

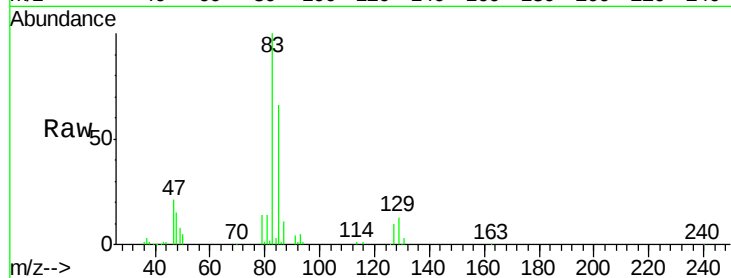
Tot Ion: 83 Resp: 292764

Ion Ratio Lower Upper

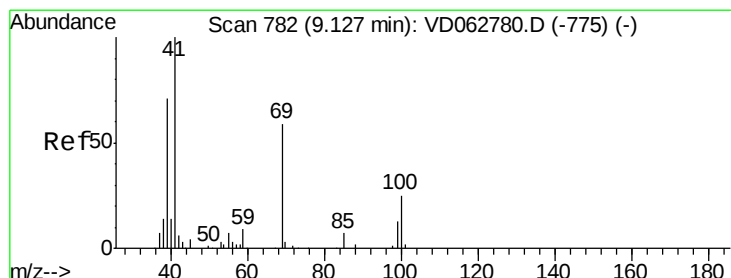
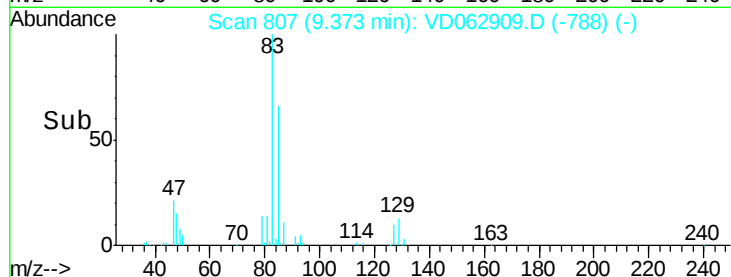
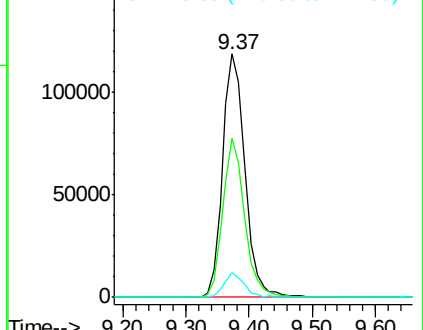
83 100

85 65.5 51.6 77.4

127 10.2 7.8 11.6



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



#48

Methyl methacrylate

Concen: 20.163 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

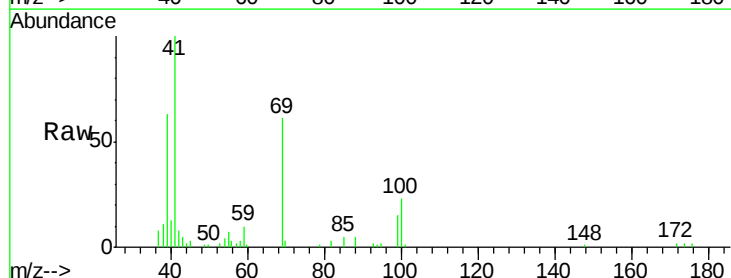
Tgt Ion: 41 Resp: 99439

Ion Ratio Lower Upper

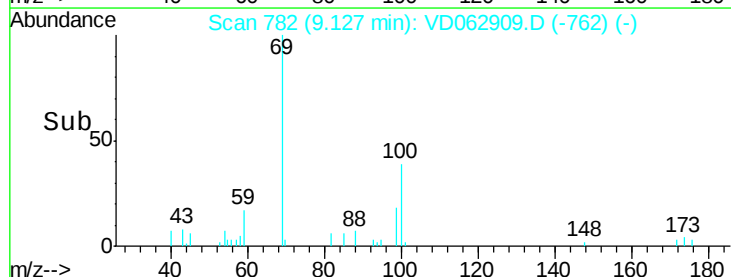
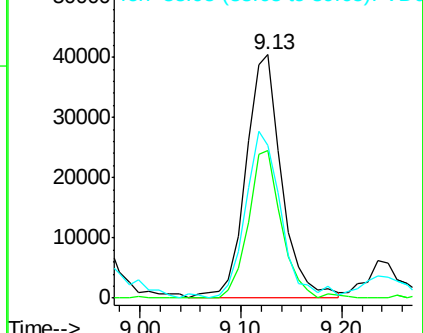
41 100

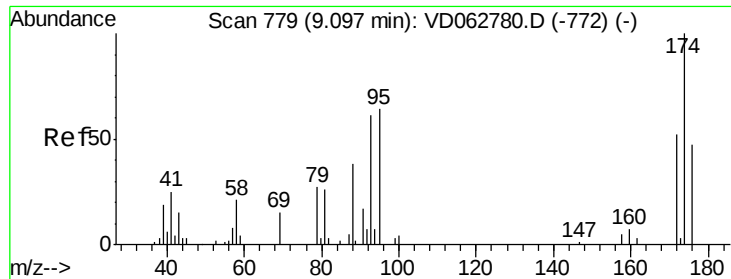
69 60.7 47.2 70.8

39 63.0 57.4 86.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

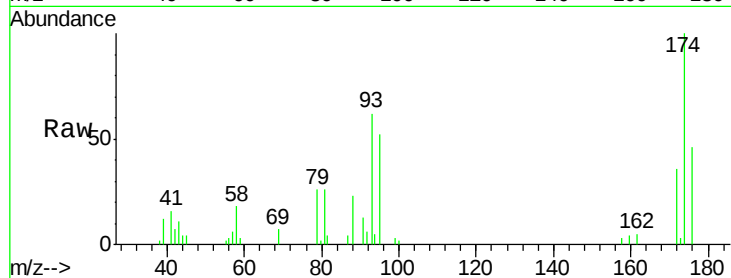




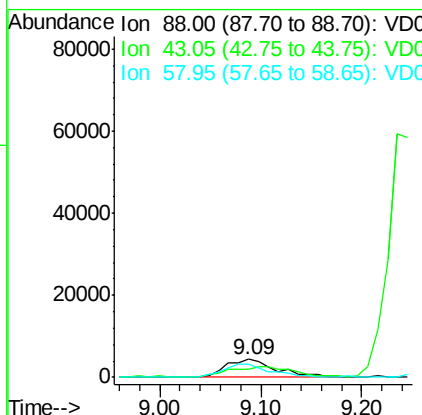
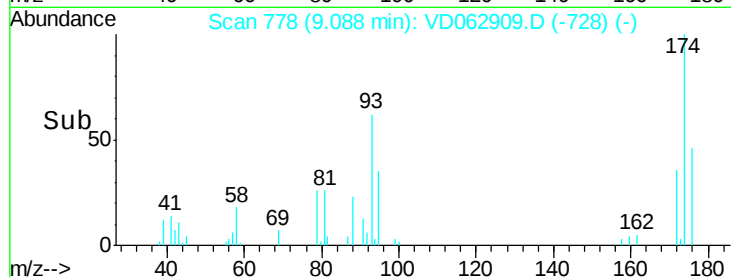
#49
1,4-Dioxane
Concen: 359.463 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

Tot Ion: 88 Resp: 14749
Ion Ratio Lower Upper
88 100
43 48.3 32.1 48.1#
58 75.3 44.1 66.1#

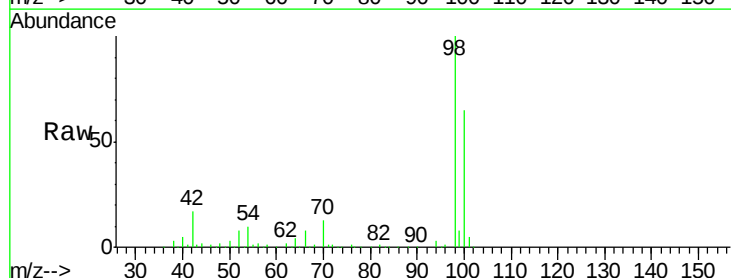


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

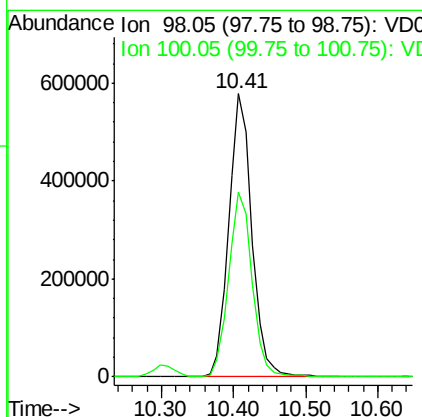
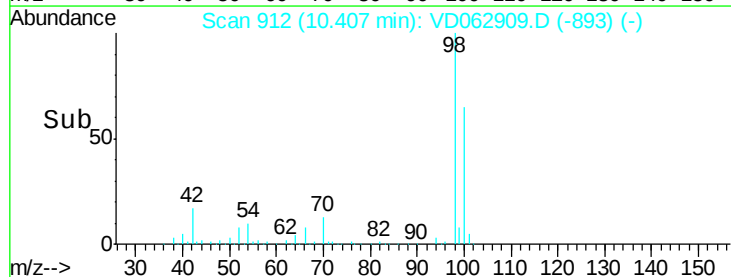


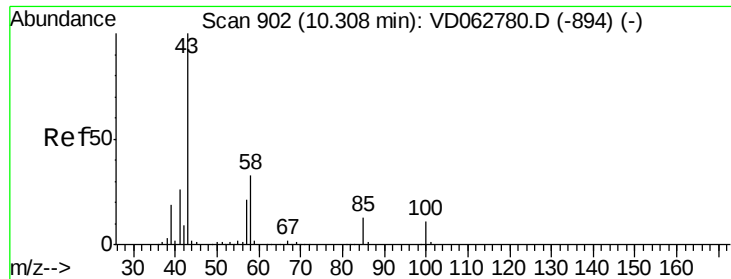
#50
Toluene-d8
Concen: 50.271 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Tgt Ion: 98 Resp: 1290082
Ion Ratio Lower Upper
98 100
100 65.2 54.7 82.1



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: 102.097 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

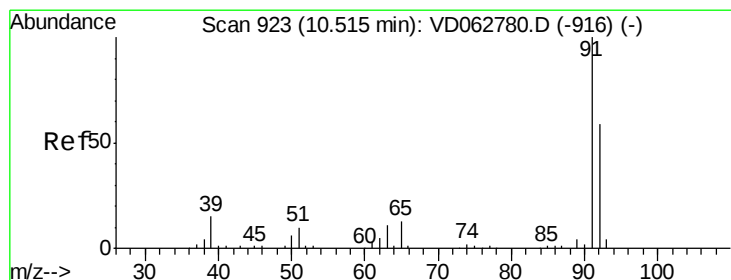
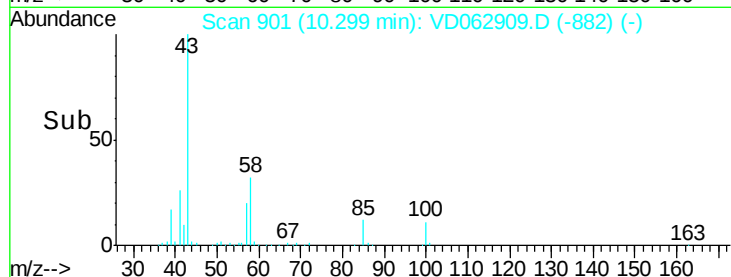
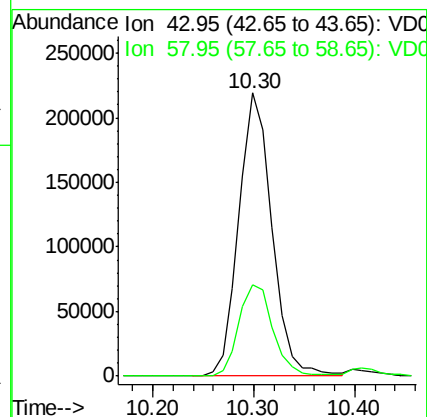
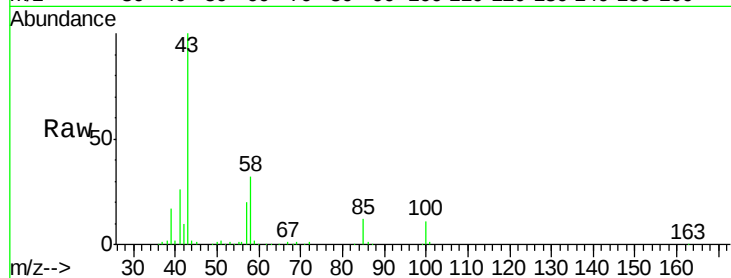
VD0626SBS01

Tot Ion: 43 Resp: 502361

Ion Ratio Lower Upper

43 100

58 32.4 26.6 40.0



#52

Toluene

Concen: 19.182 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062909.D

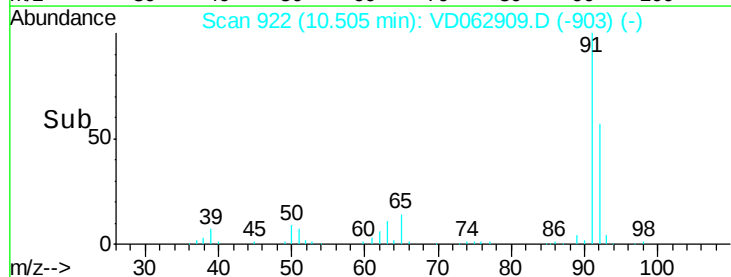
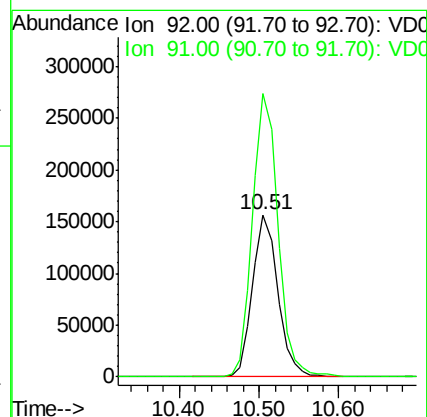
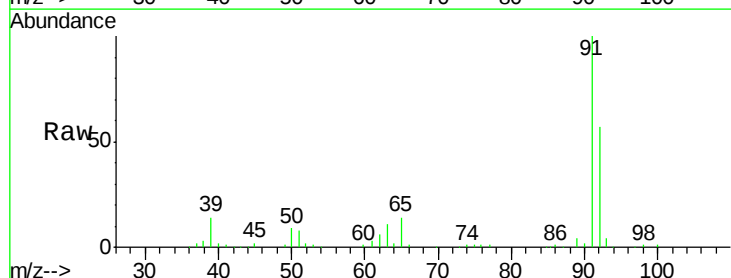
Acq: 26 Jun 2019 11:27

Tgt Ion: 92 Resp: 342628

Ion Ratio Lower Upper

92 100

91 174.9 136.3 204.5

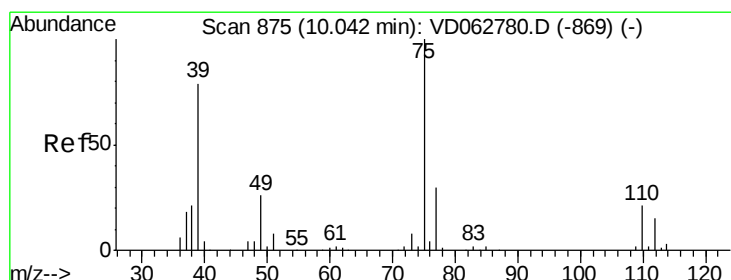
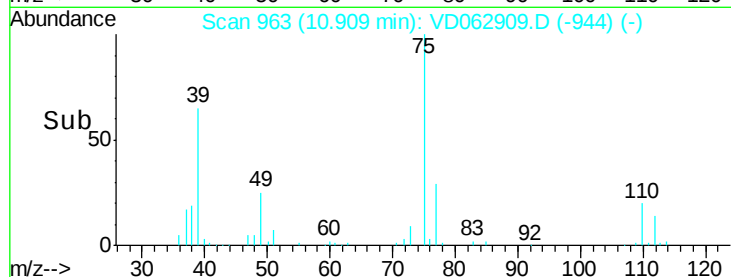
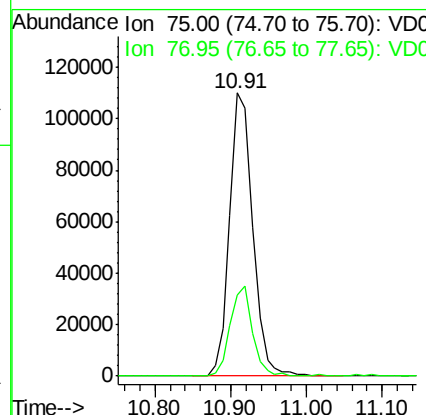
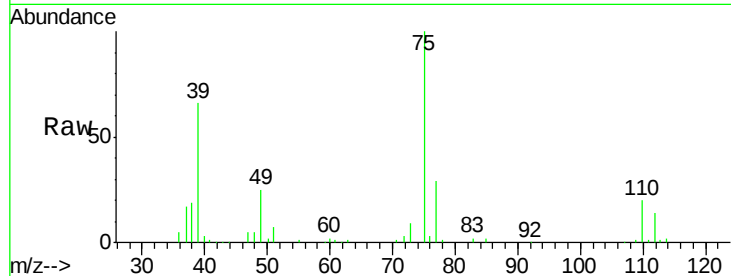




#53
 t-1,3-Dichloropropene
 Concen: 19.430 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

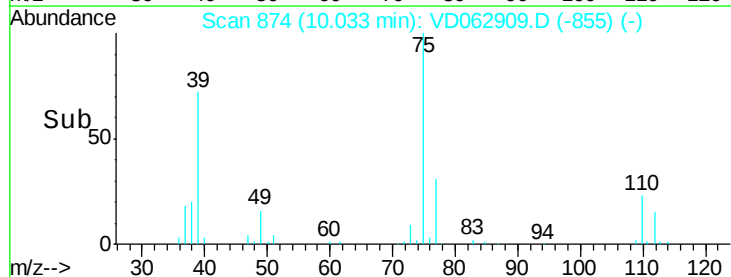
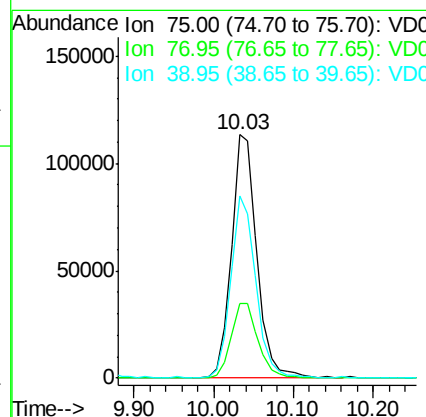
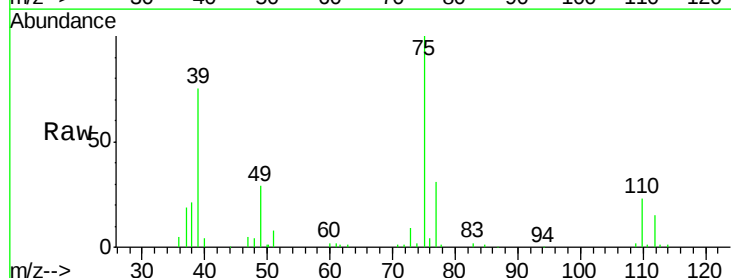
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

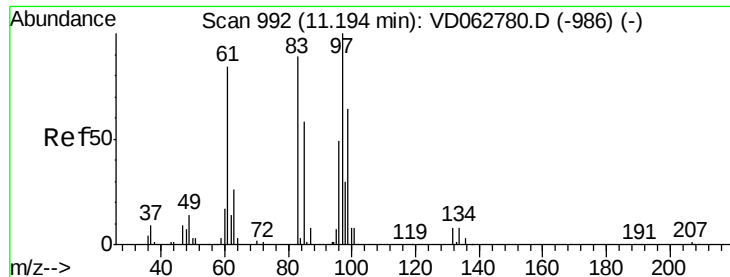
Tot Ion: 75 Resp: 234420
 Ion Ratio Lower Upper
 75 100
 77 28.7 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.363 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Tgt Ion: 75 Resp: 253920
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.2 36.2
 39 74.8 63.5 95.3

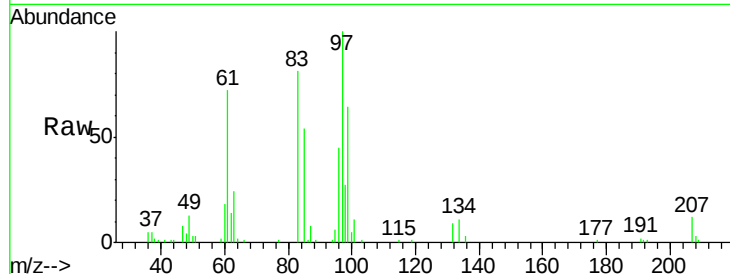




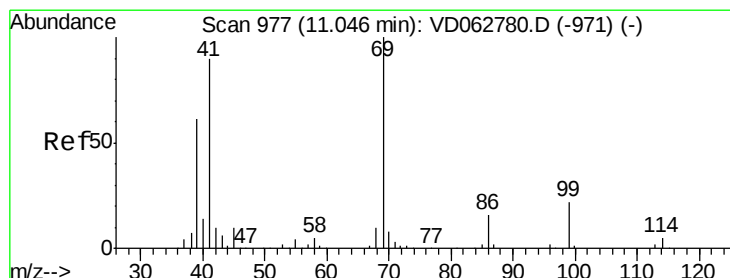
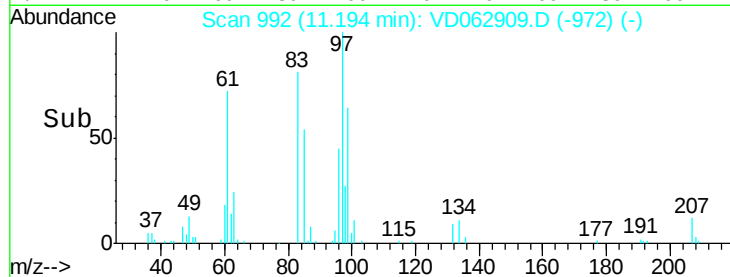
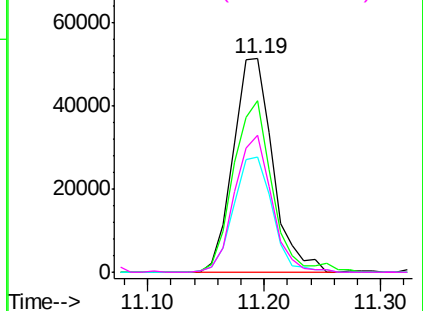
#55
 1,1,2-Trichloroethane
 Concen: 19.690 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Tot Ion:	97	Resp:	120831
Ion	Ratio	Lower	Upper
97	100		
83	80.5	71.0	106.4
85	53.8	46.6	69.8
99	63.9	51.4	77.0

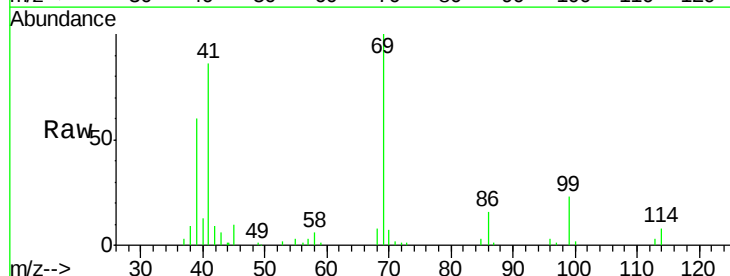


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

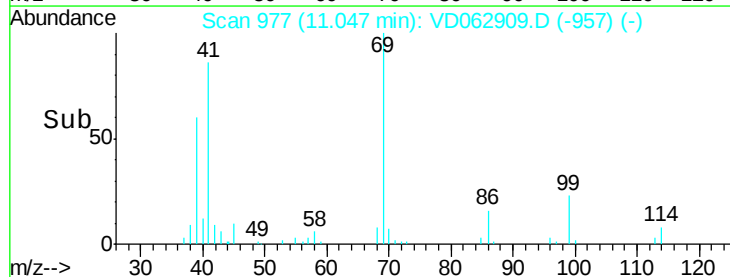
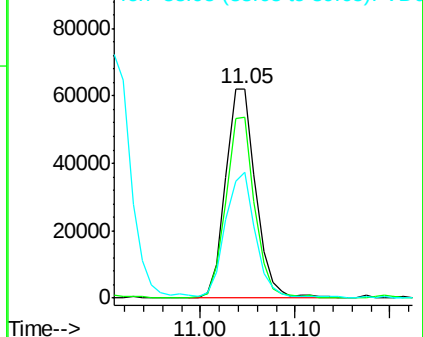


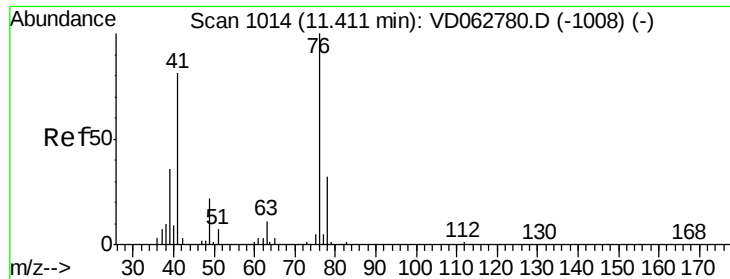
#56
 Ethyl methacrylate
 Concen: 20.862 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Tgt Ion:	69	Resp:	136818
Ion	Ratio	Lower	Upper
69	100		
41	86.5	72.0	108.0
39	59.9	49.5	74.3



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: 18.660 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

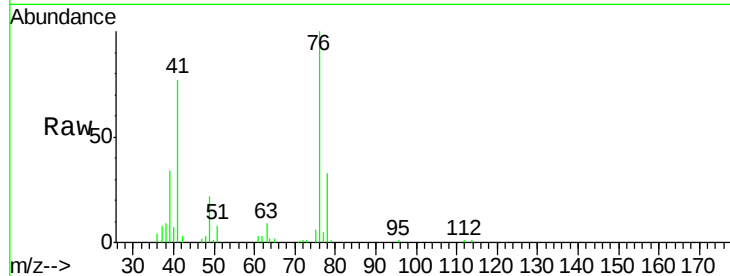
VD0626SBS01

Tot Ion: 76 Resp: 175332

Ion Ratio Lower Upper

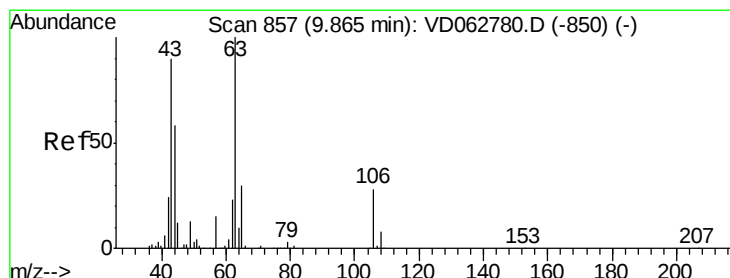
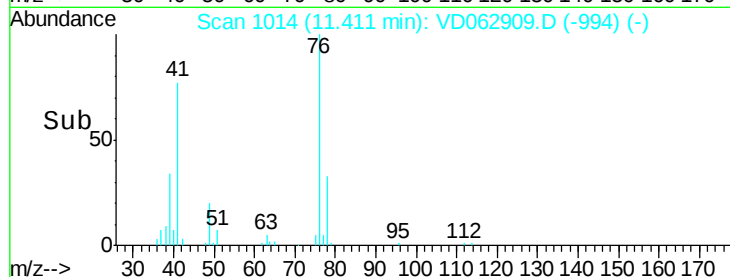
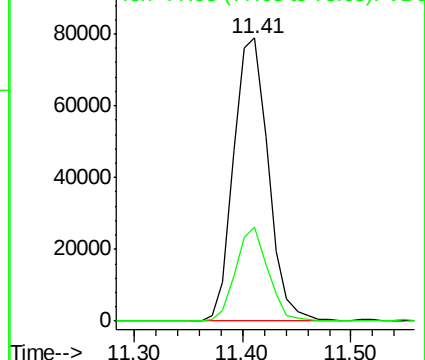
76 100

78 33.2 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 96.942 ug/l

RT: 9.86 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD062909.D

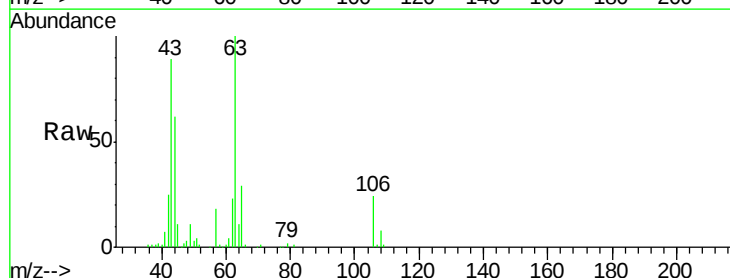
Acq: 26 Jun 2019 11:27

Tgt Ion: 63 Resp: 326386

Ion Ratio Lower Upper

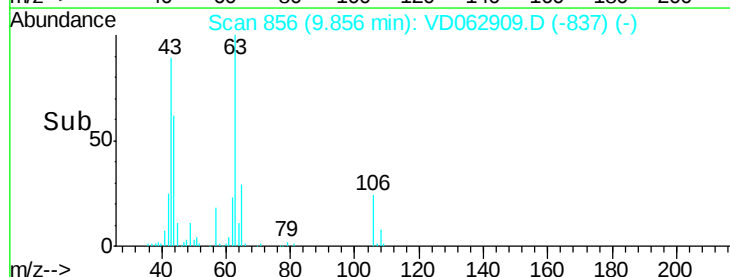
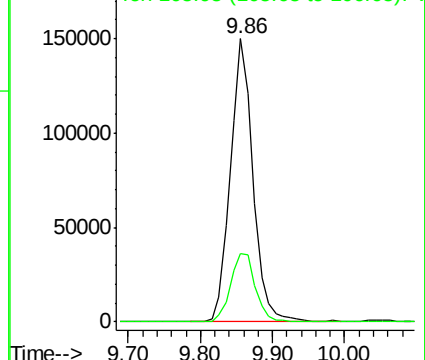
63 100

106 24.0 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

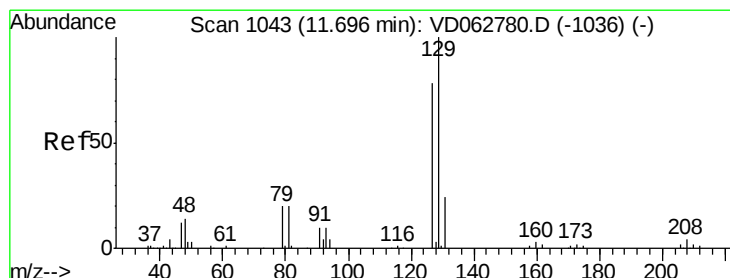
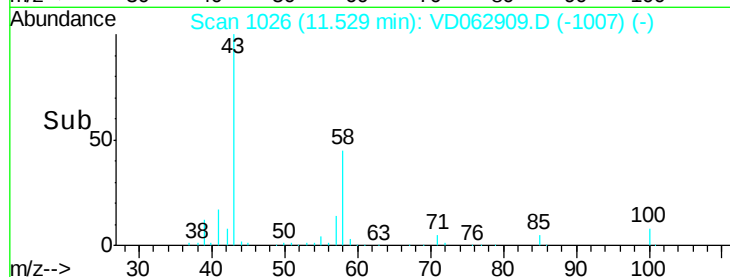
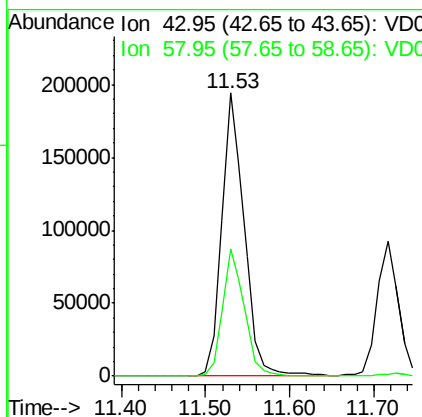
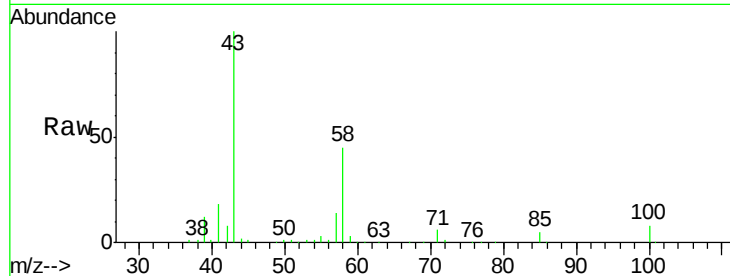




#59
2-Hexanone
Concen: 102.827 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

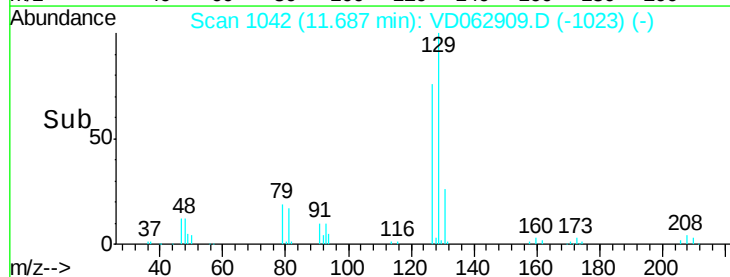
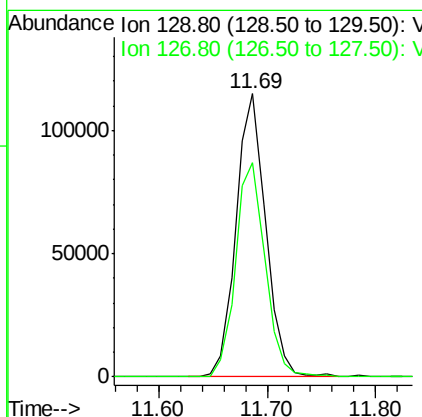
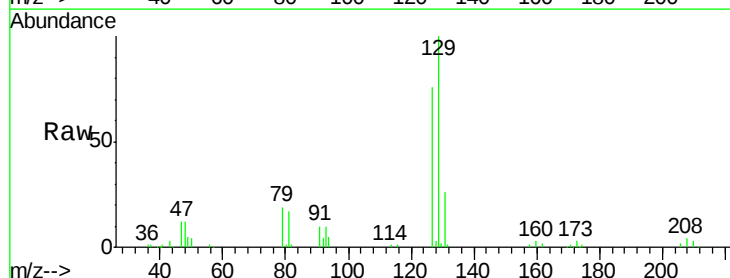
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

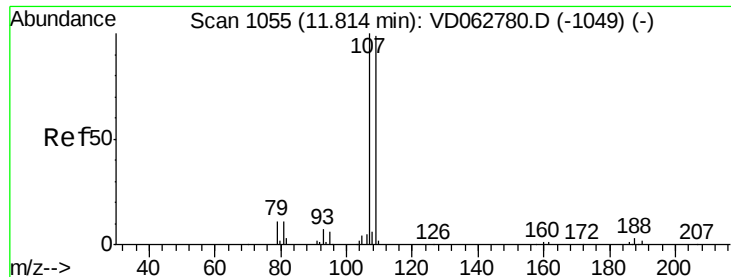
Tot Ion: 43 Resp: 360334
Ion Ratio Lower Upper
43 100
58 45.1 22.4 67.2



#60
Dibromochloromethane
Concen: 19.148 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Tgt Ion: 129 Resp: 218864
Ion Ratio Lower Upper
129 100
127 75.6 38.9 116.6

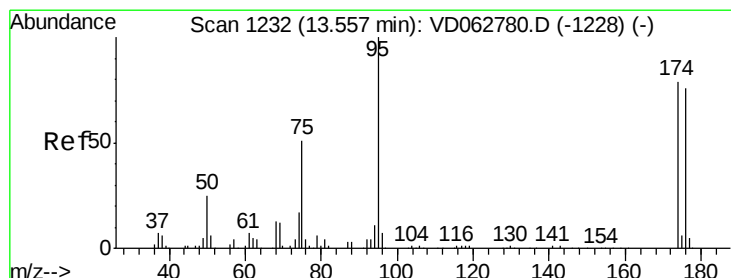
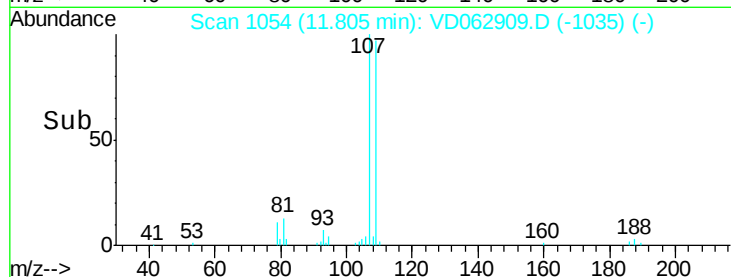
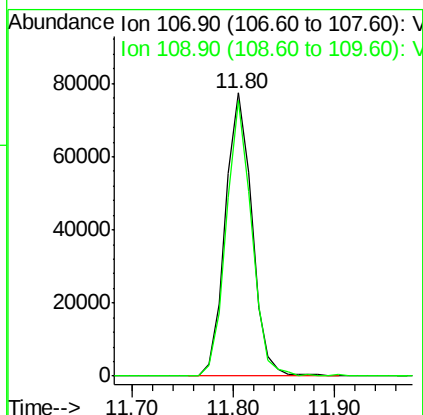
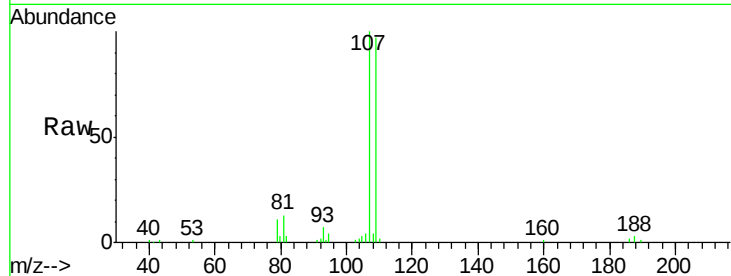




#61
 1,2-Dibromoethane
 Concen: 19.530 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

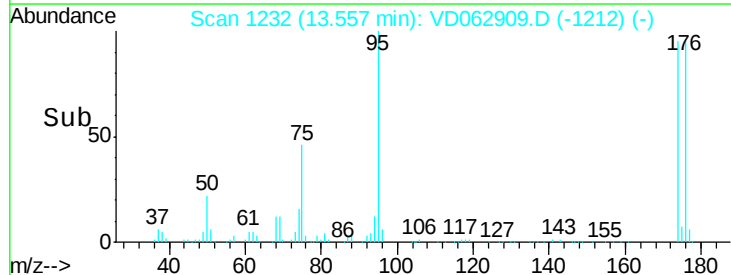
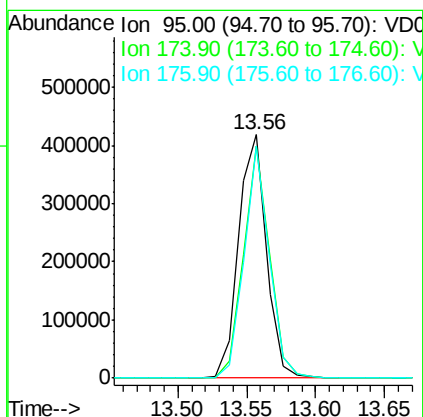
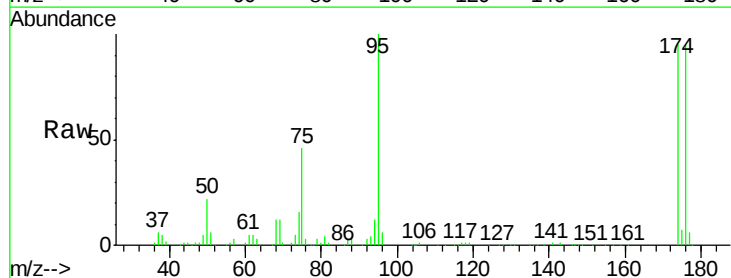
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

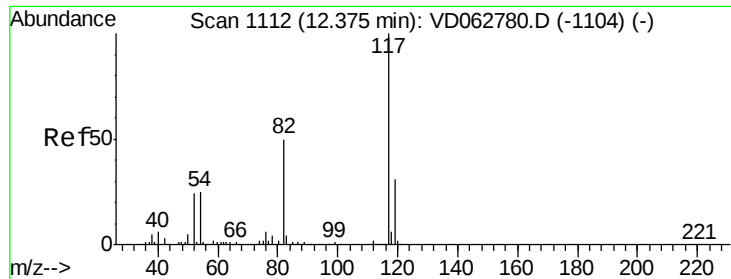
Tot Ion:107 Resp: 141545
 Ion Ratio Lower Upper
 107 100
 109 97.2 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 50.599 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Tgt Ion: 95 Resp: 590433
 Ion Ratio Lower Upper
 95 100
 174 95.5 0.0 158.0
 176 95.5 0.0 151.6

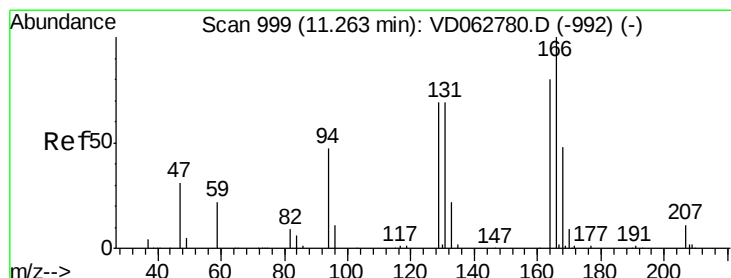
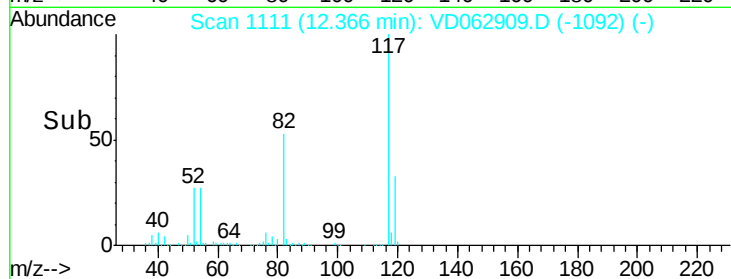
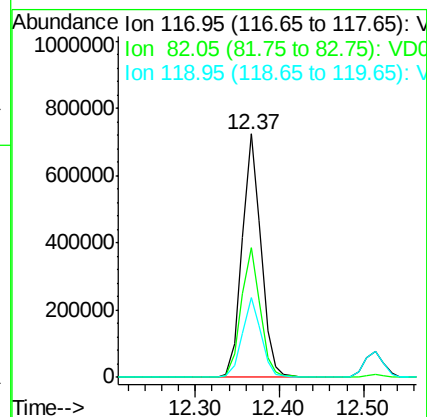
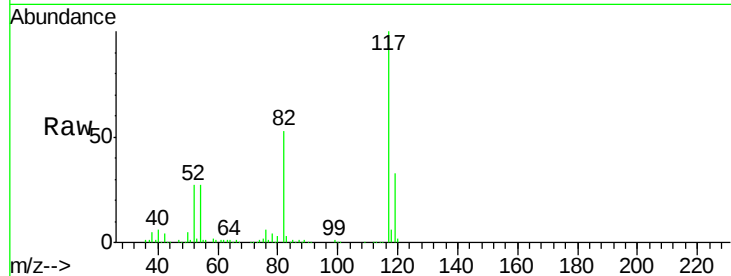




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

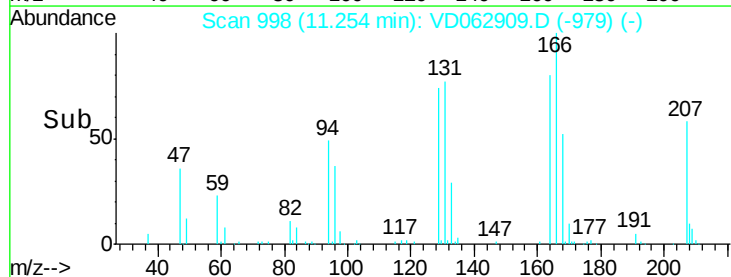
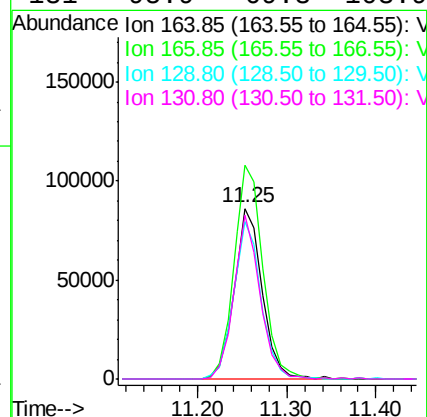
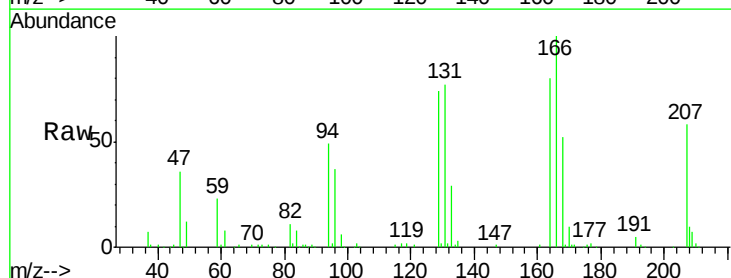
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

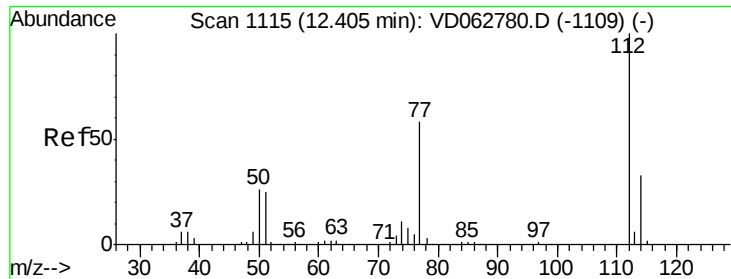
Tot Ion:117 Resp: 1128619
Ion Ratio Lower Upper
117 100
82 53.2 40.4 60.6
119 32.9 25.2 37.8



#64
Tetrachloroethene
Concen: 20.402 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Tgt Ion:164 Resp: 189515
Ion Ratio Lower Upper
164 100
166 125.2 100.6 150.8
129 92.3 69.4 104.0
131 95.9 69.3 103.9

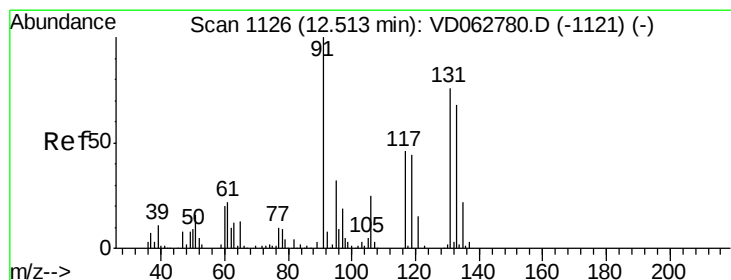
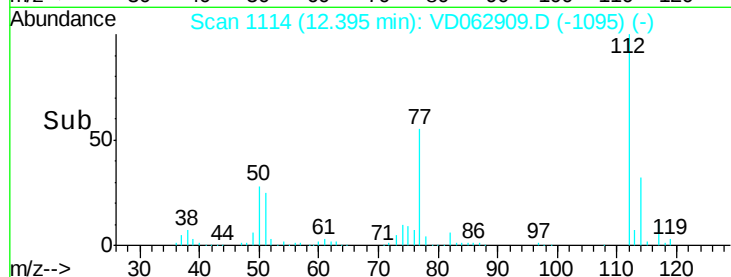
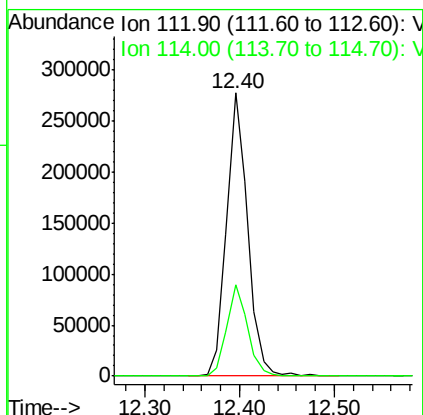
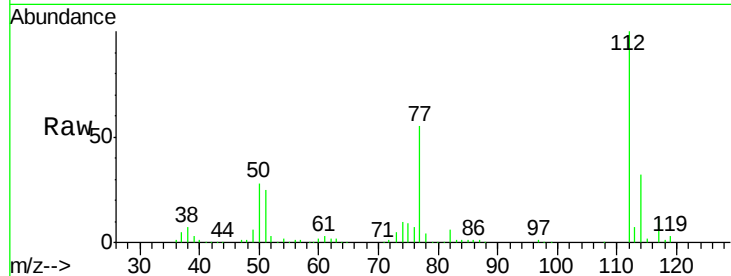




#65
Chlorobenzene
Concen: 20.391 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

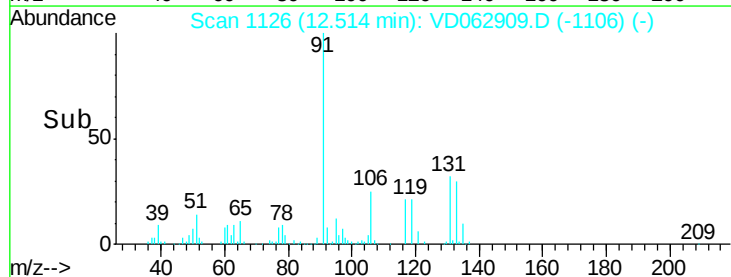
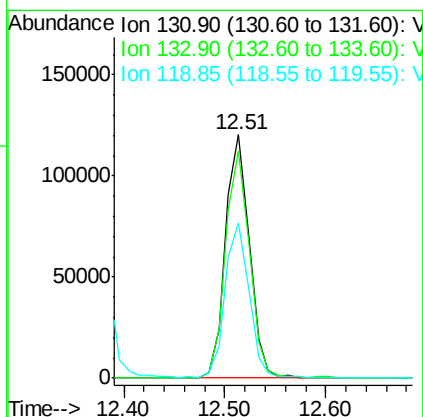
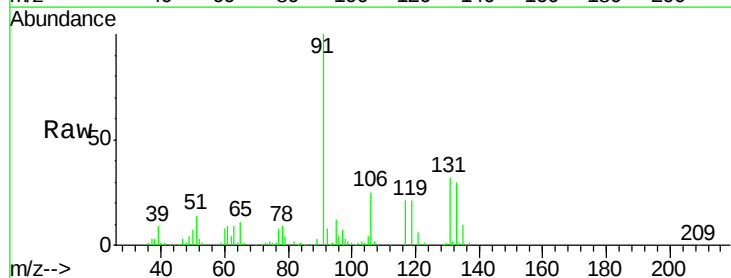
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

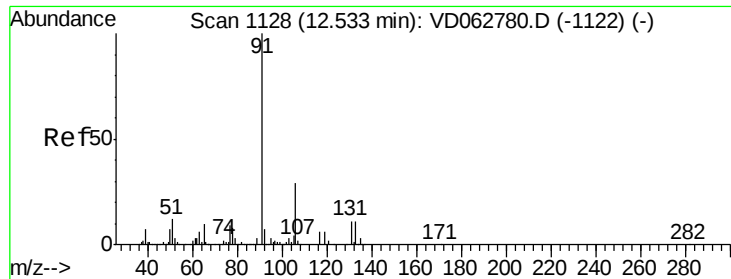
Tot Ion:112 Resp: 427109
Ion Ratio Lower Upper
112 100
114 32.4 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.202 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Tgt Ion:131 Resp: 197892
Ion Ratio Lower Upper
131 100
133 93.2 44.5 133.3
119 64.0 28.6 85.9





#67

Ethyl Benzene

Concen: 20.910 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

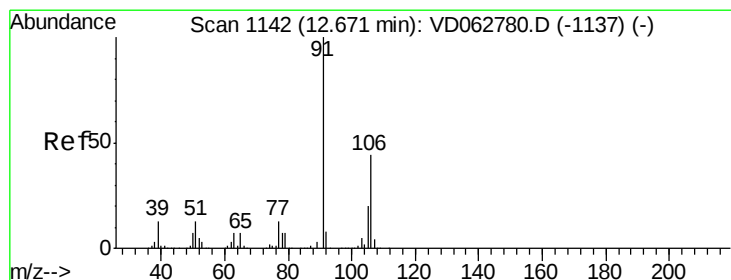
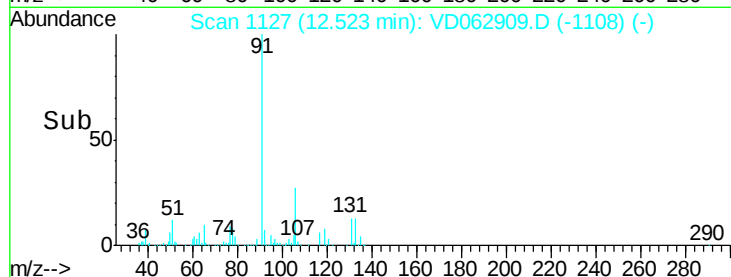
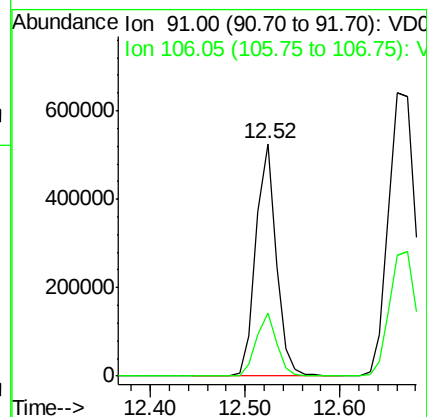
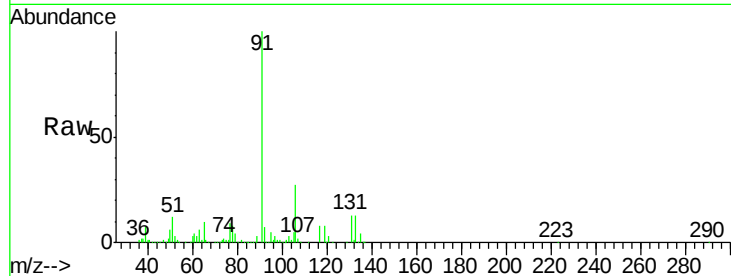
VD0626SBS01

Tot Ion: 91 Resp: 786330

Ion Ratio Lower Upper

91 100

106 27.4 23.1 34.7



#68

m/p-Xylenes

Concen: 42.146 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VD062909.D

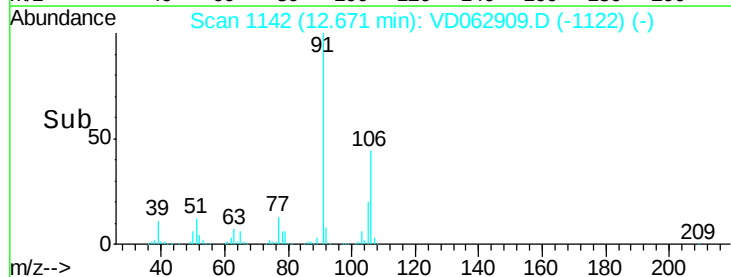
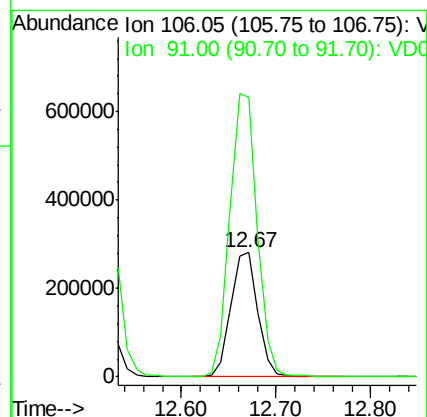
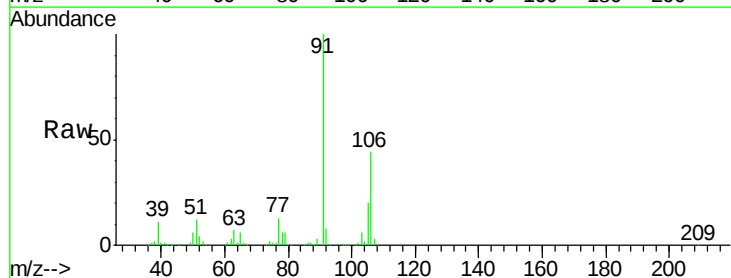
Acq: 26 Jun 2019 11:27

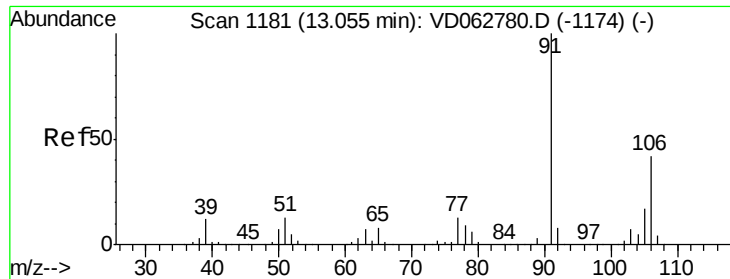
Tgt Ion: 106 Resp: 552021

Ion Ratio Lower Upper

106 100

91 224.9 183.0 274.6

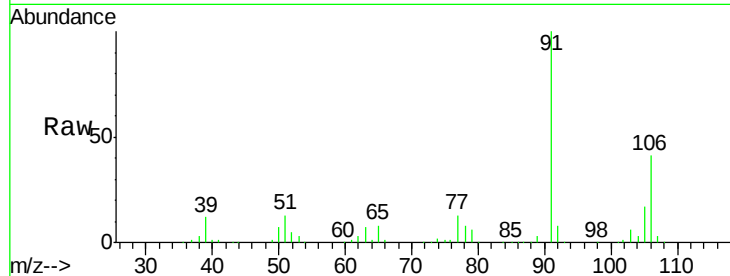




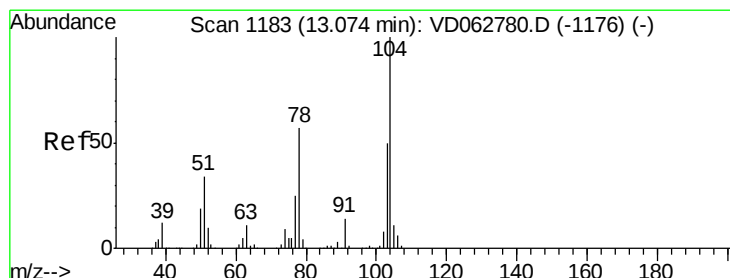
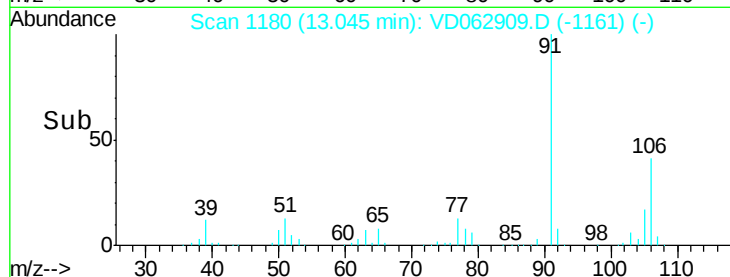
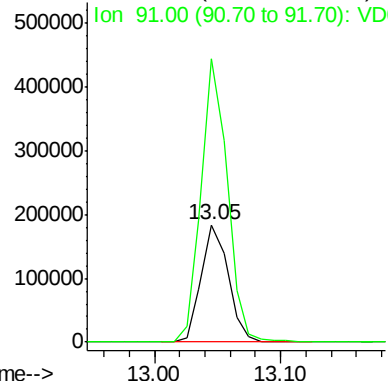
#69
o-Xylene
Concen: 22.910 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Instrument :
MSVOA_D
ClientSampleID :
VD0626SBS01

Tot Ion:106 Resp: 274308
Ion Ratio Lower Upper
106 100
91 241.0 117.9 353.6

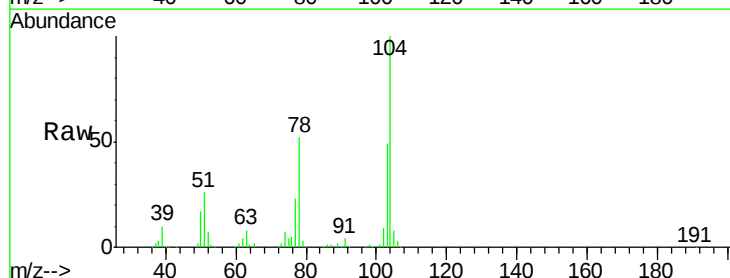


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

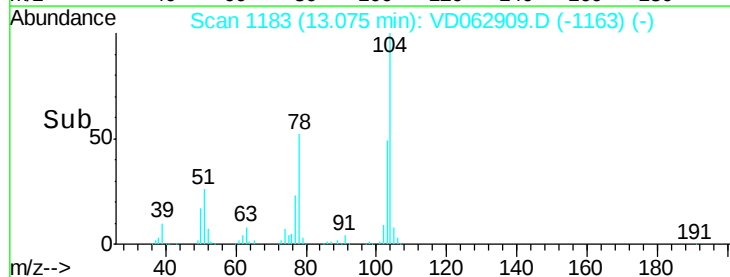
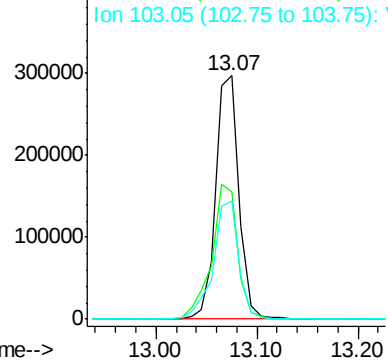


#70
Styrene
Concen: 22.625 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Tgt Ion:104 Resp: 475820
Ion Ratio Lower Upper
104 100
78 52.1 45.4 68.2
103 48.7 39.7 59.5



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





#71

Bromoform

Concen: 20.149 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

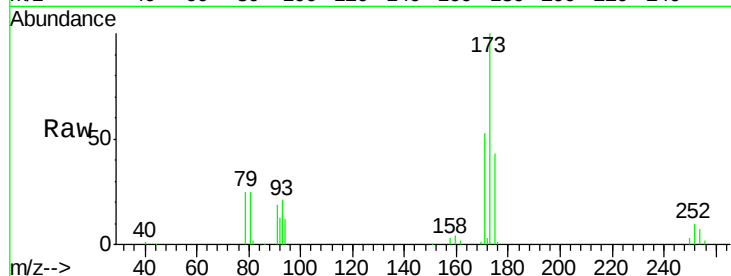
Tot Ion:173 Resp: 135226

Ion Ratio Lower Upper

173 100

175 43.2 25.3 75.9

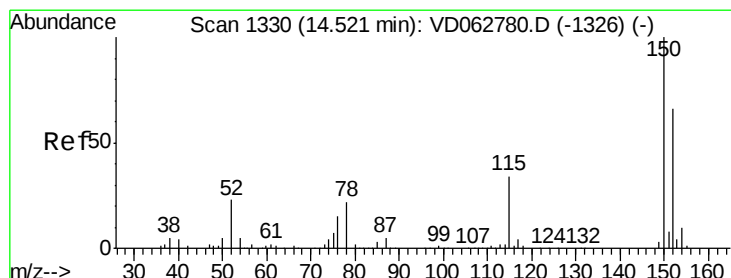
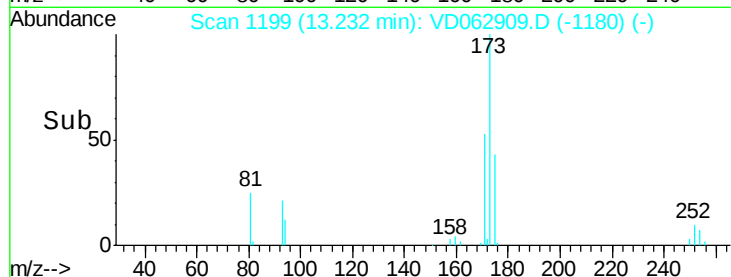
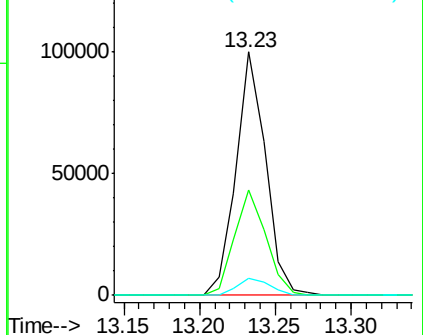
254 7.2 7.1 10.7



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

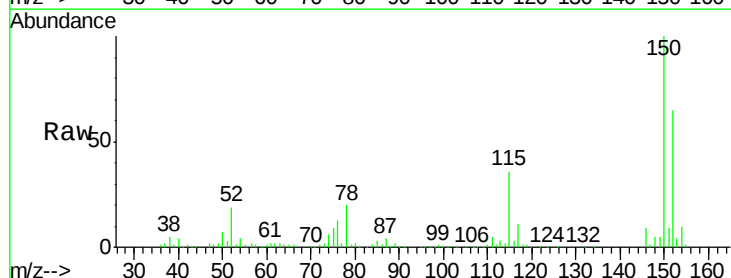
Tgt Ion:152 Resp: 601039

Ion Ratio Lower Upper

152 100

115 55.7 29.2 87.6

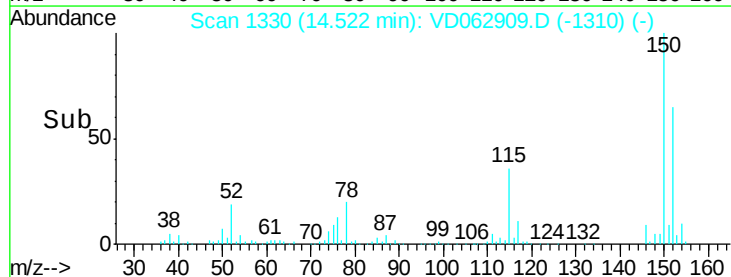
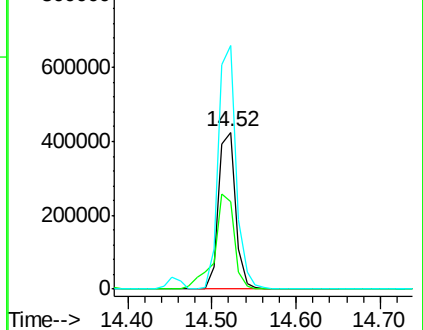
150 155.0 0.0 305.8

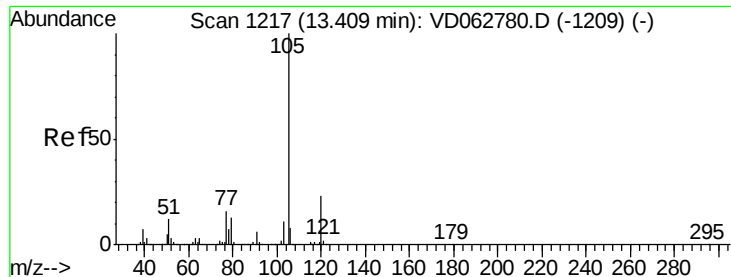


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.333 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

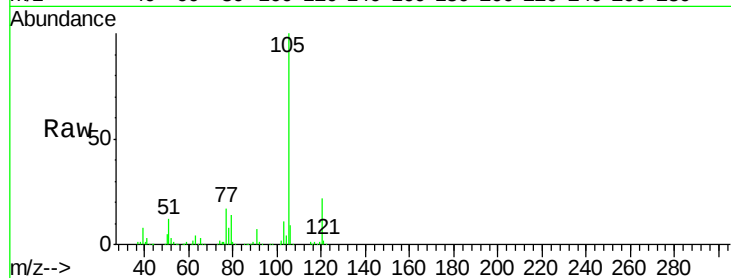
VD0626SBS01

Tot Ion:105 Resp: 745053

Ion Ratio Lower Upper

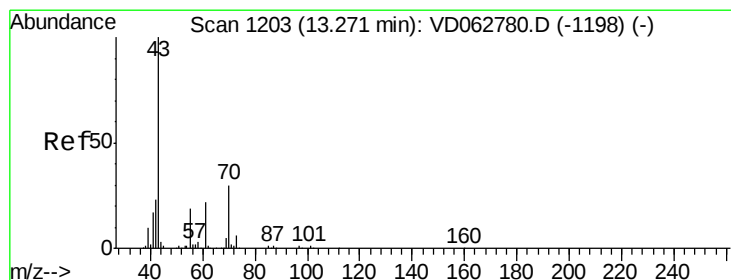
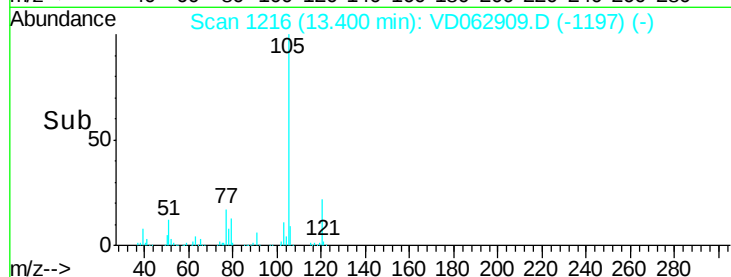
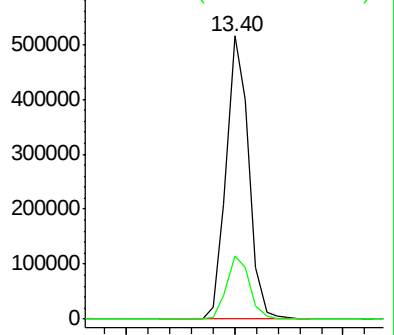
105 100

120 22.3 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.135 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Tgt Ion: 43 Resp: 207158

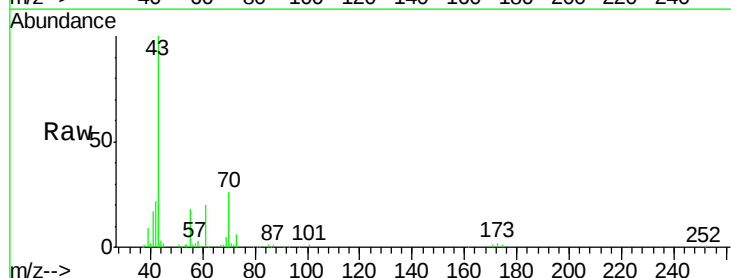
Ion Ratio Lower Upper

43 100

70 26.4 24.4 36.6

55 18.1 15.2 22.8

61 20.0 17.4 26.2

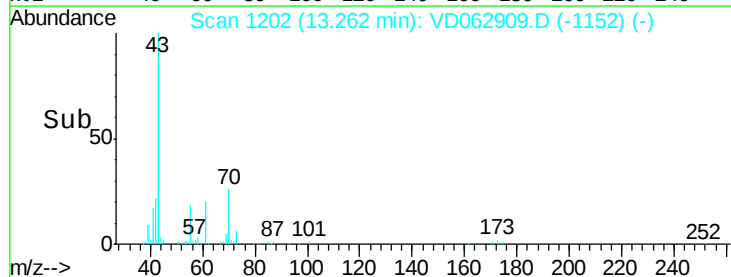
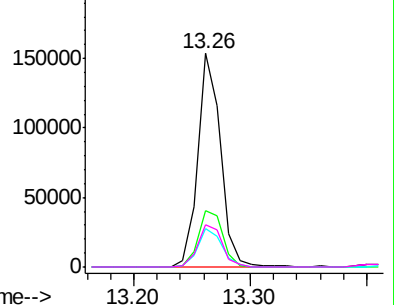


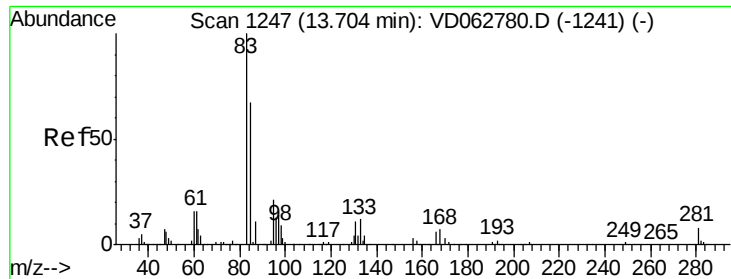
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.832 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

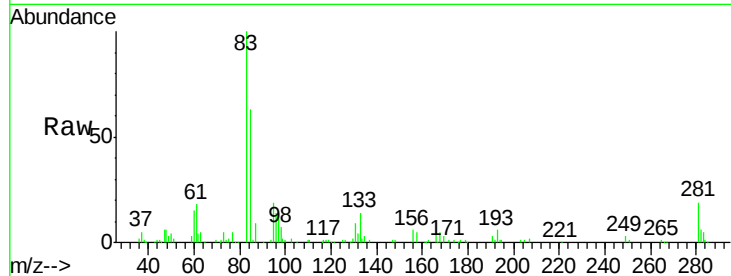
Tot Ion: 83 Resp: 130804

Ion Ratio Lower Upper

83 100

131 9.4 5.3 16.1

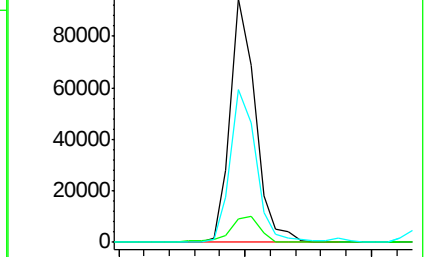
85 62.8 33.7 101.1



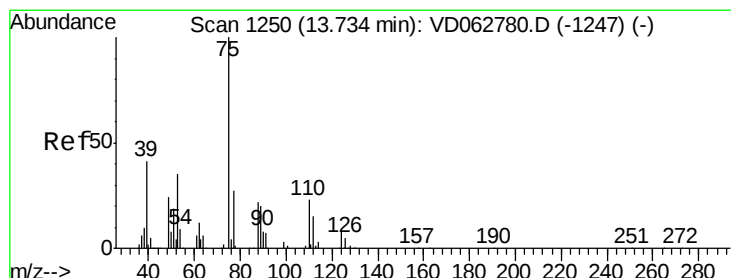
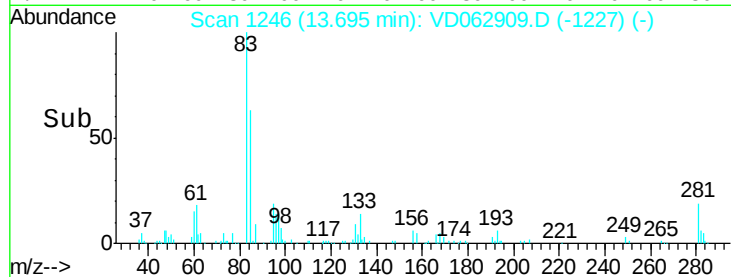
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



Time--> 13.60 13.70 13.80



#76

1,2,3-Trichloropropane

Concen: 20.492 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062909.D

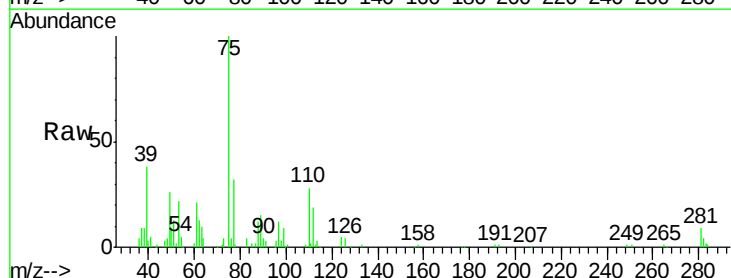
Acq: 26 Jun 2019 11:27

Tgt Ion: 75 Resp: 142185

Ion Ratio Lower Upper

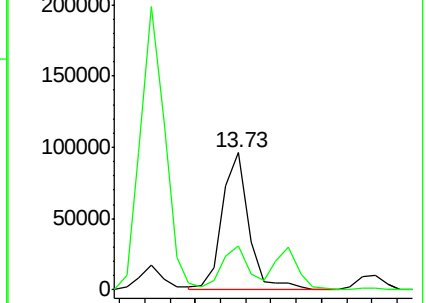
75 100

77 32.2 15.0 45.1

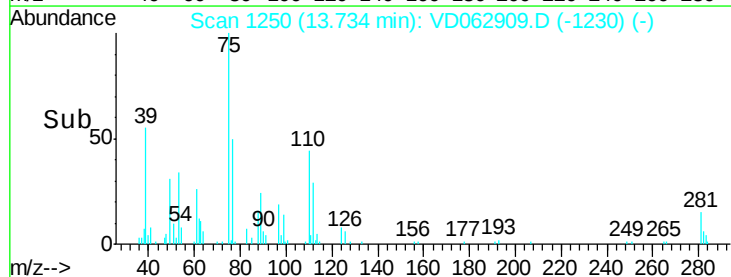


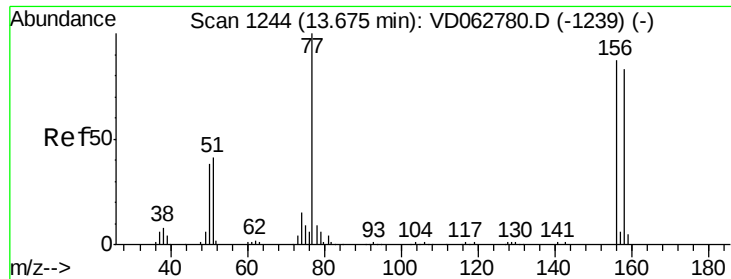
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time--> 13.70 13.80





#77

Bromobenzene

Concen: 20.231 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

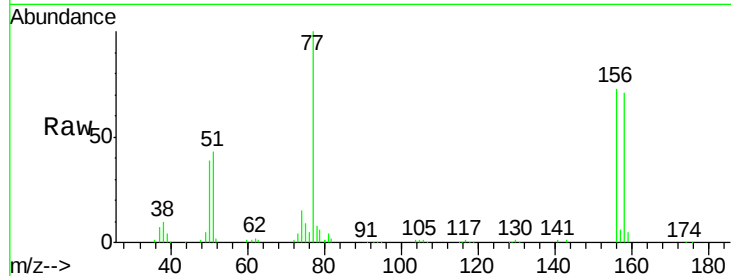
Tot Ion:156 Resp: 209702

Ion Ratio Lower Upper

156 100

77 136.3 57.7 173.1

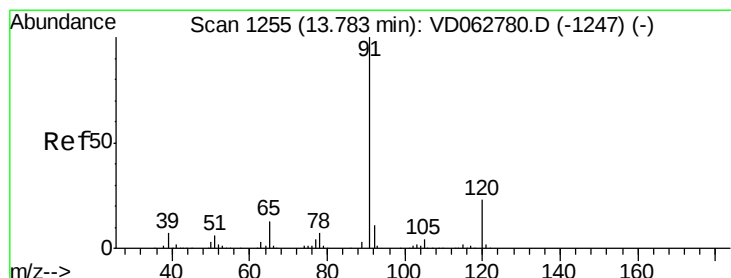
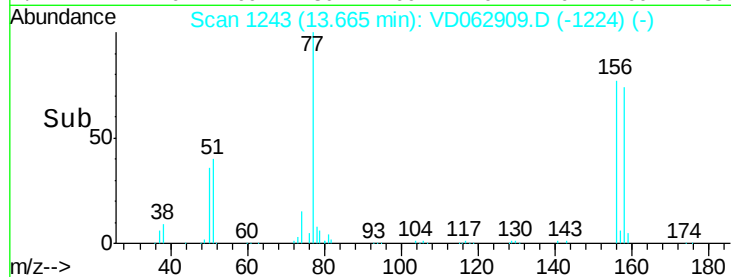
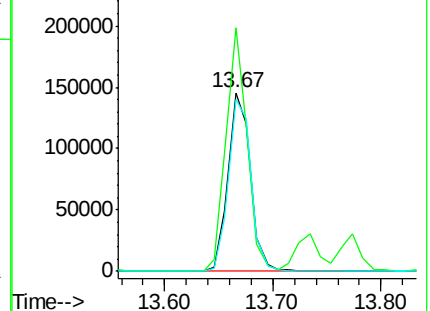
158 96.3 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.898 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062909.D

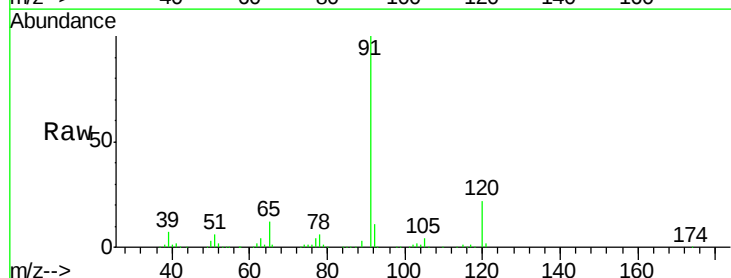
Acq: 26 Jun 2019 11:27

Tgt Ion: 91 Resp: 892525

Ion Ratio Lower Upper

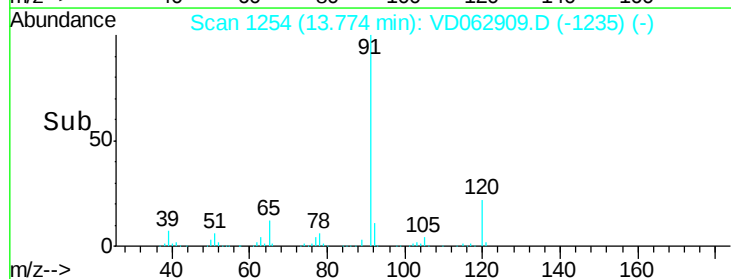
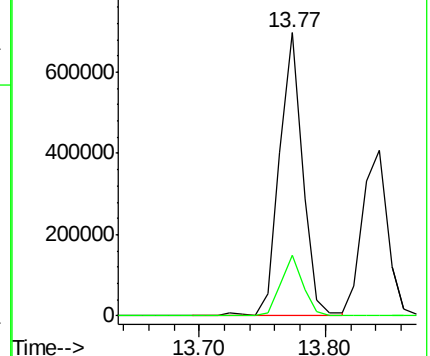
91 100

120 21.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

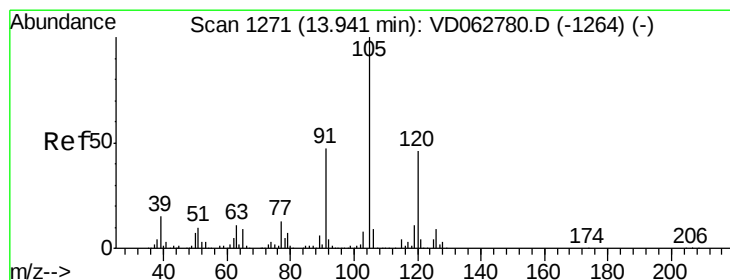
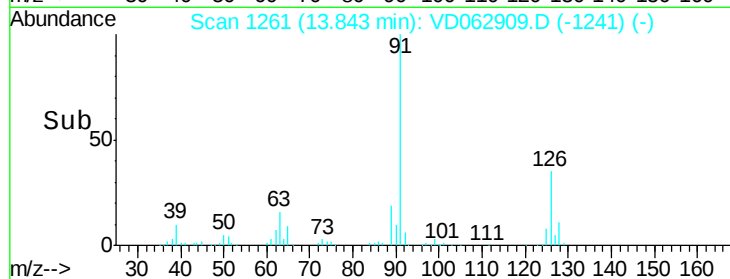
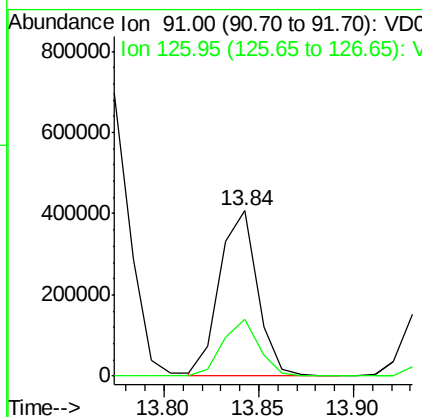
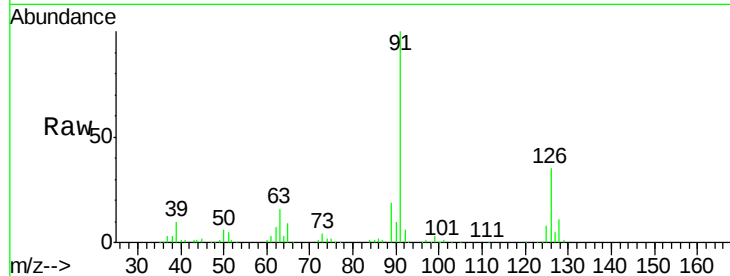




#79
 2-Chlorotoluene
 Concen: 22.035 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

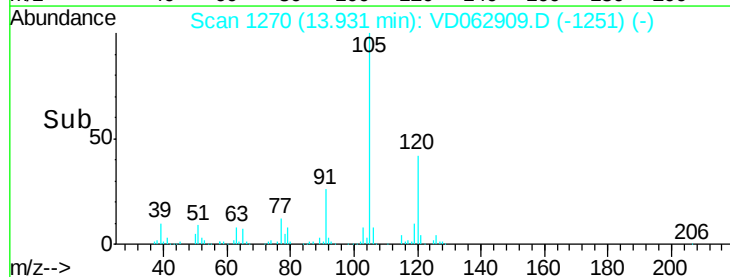
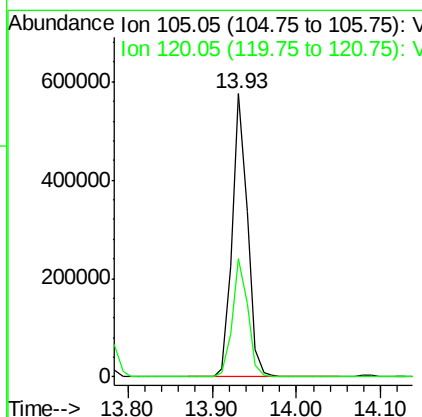
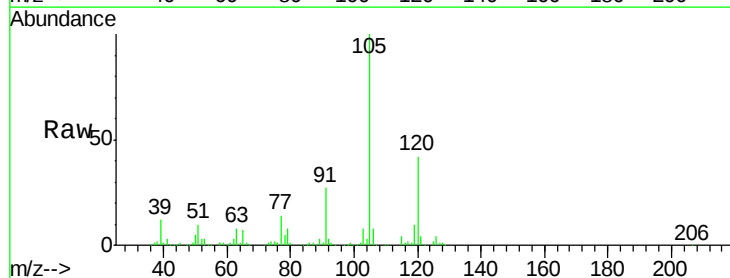
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

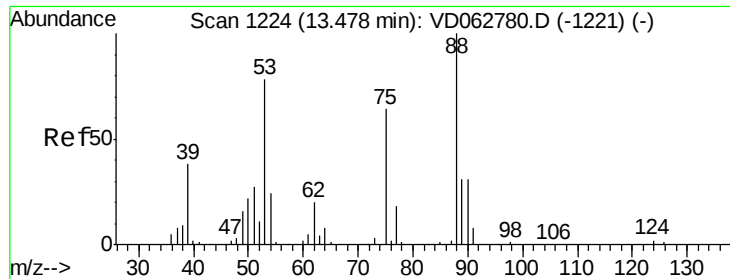
Tot Ion: 91 Resp: 564834
 Ion Ratio Lower Upper
 91 100
 126 34.5 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 22.365 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Tgt Ion: 105 Resp: 723962
 Ion Ratio Lower Upper
 105 100
 120 41.8 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.625 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

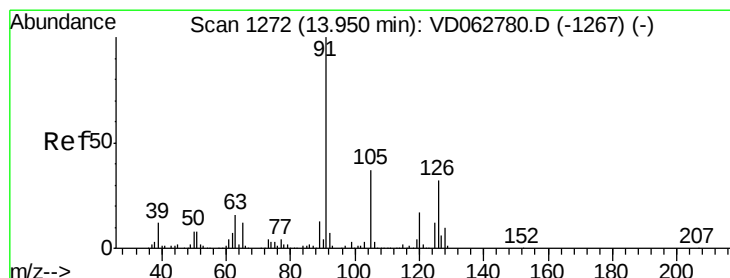
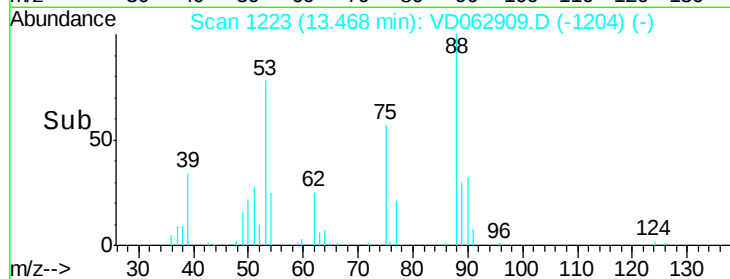
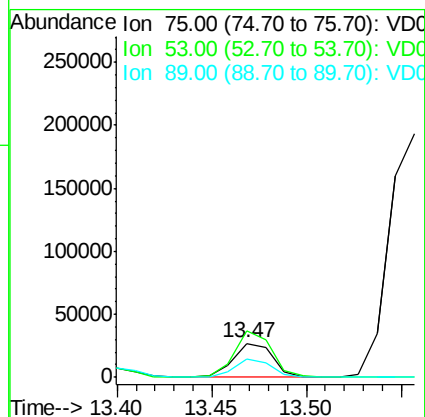
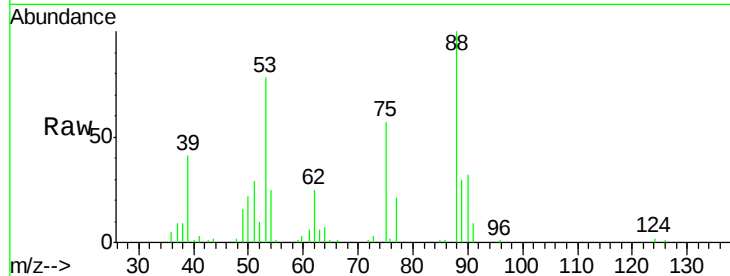
Tot Ion: 75 Resp: 39325

Ion Ratio Lower Upper

75 100

53 138.2 97.8 146.8

89 52.1 39.4 59.2



#82

4-Chlorotoluene

Concen: 22.199 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062909.D

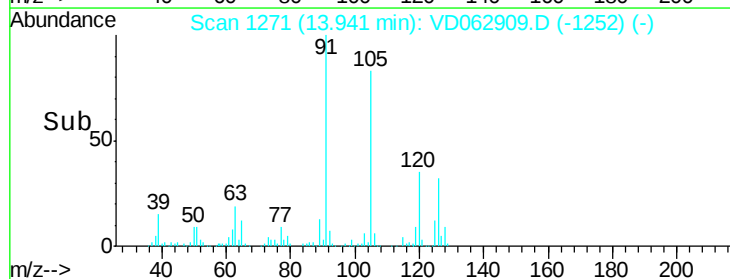
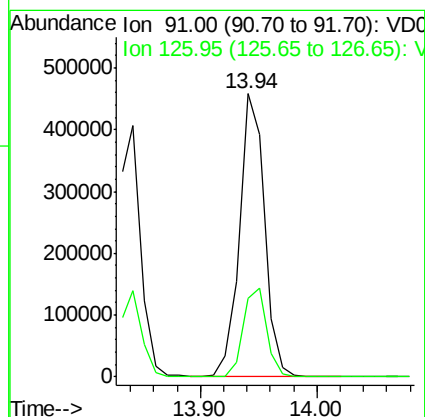
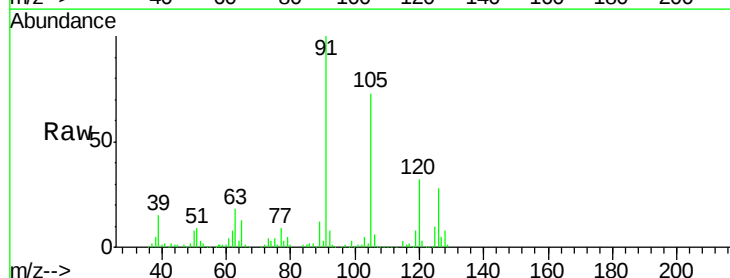
Acq: 26 Jun 2019 11:27

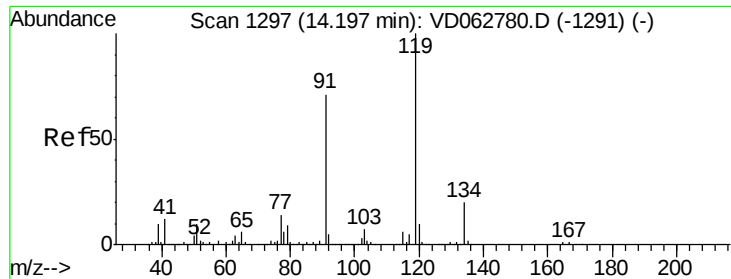
Tgt Ion: 91 Resp: 685057

Ion Ratio Lower Upper

91 100

126 27.9 16.0 47.9

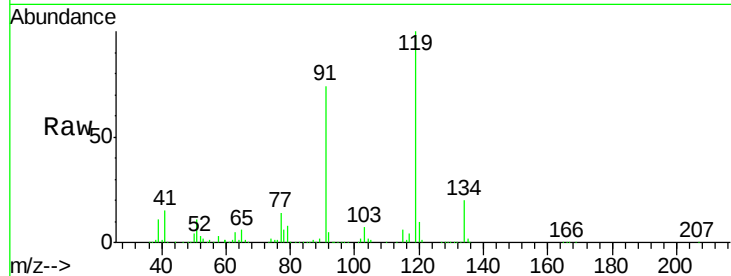




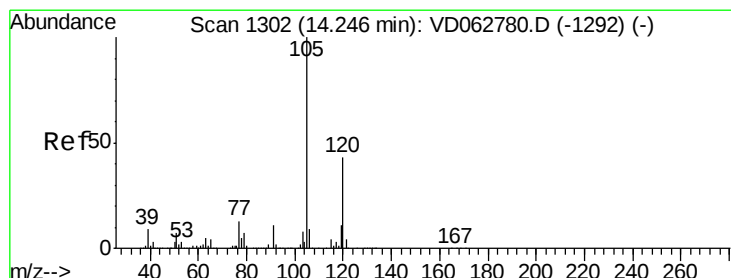
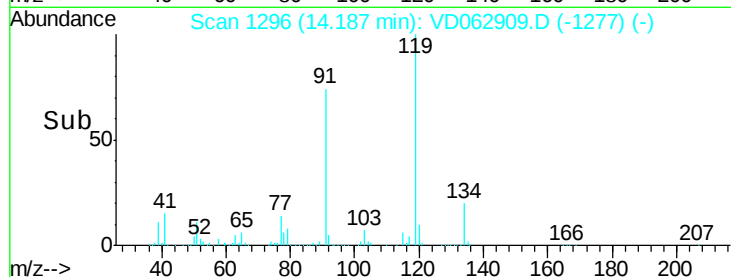
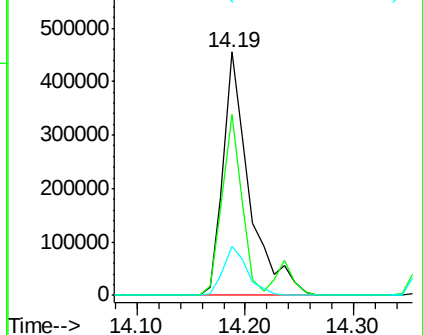
#83
 tert-Butylbenzene
 Concen: 21.359 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Tot Ion:119 Resp: 770674
 Ion Ratio Lower Upper
 119 100
 91 74.2 35.5 106.5
 134 20.1 10.2 30.6

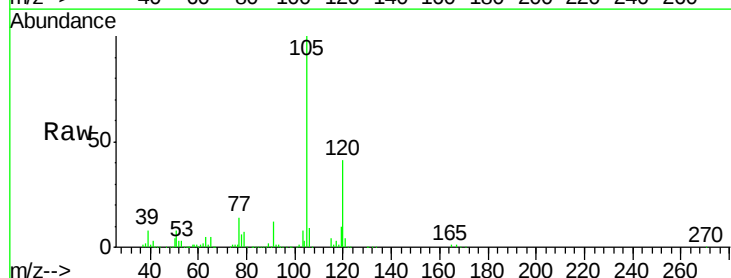


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

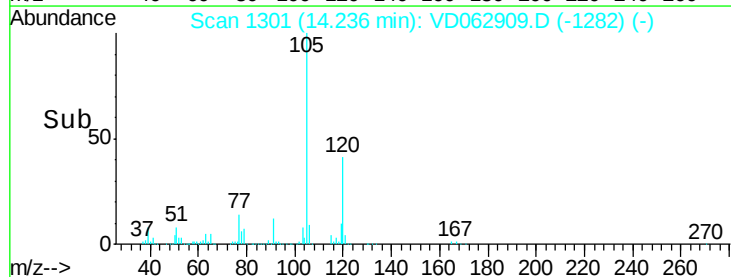
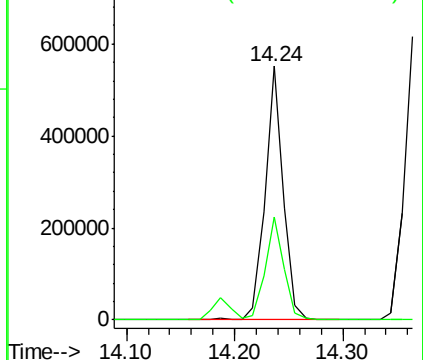


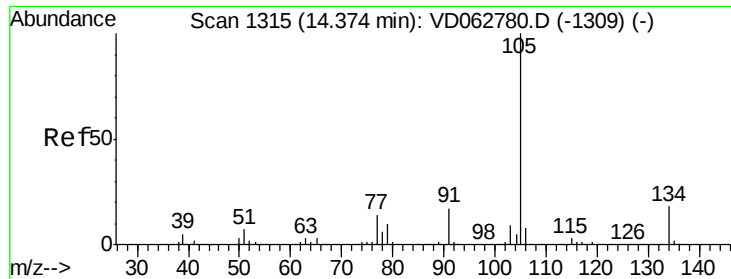
#84
 1,2,4-Trimethylbenzene
 Concen: 19.719 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Tgt Ion:105 Resp: 654237
 Ion Ratio Lower Upper
 105 100
 120 40.6 21.3 63.9



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





#85

sec-Butylbenzene

Concen: 19.767 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

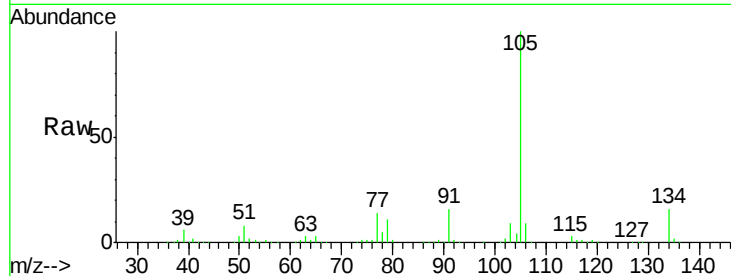
VD0626SBS01

Tot Ion:105 Resp: 775160

Ion Ratio Lower Upper

105 100

134 15.7 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.36

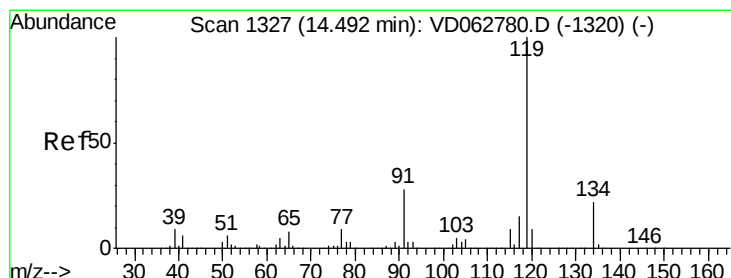
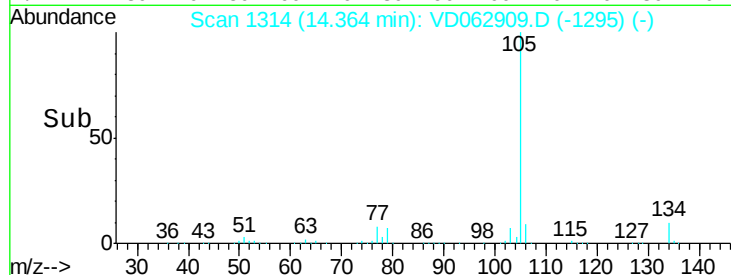
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.340 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

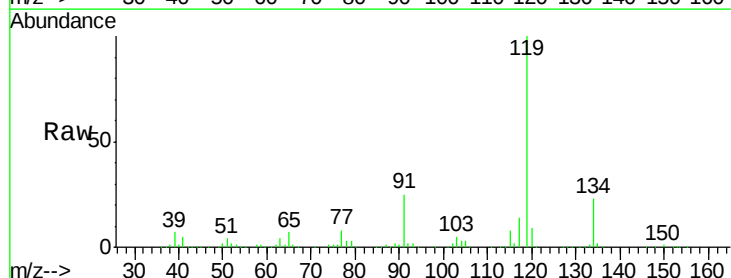
Tgt Ion:119 Resp: 729706

Ion Ratio Lower Upper

119 100

134 23.1 11.1 33.1

91 25.4 14.0 41.9



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

800000

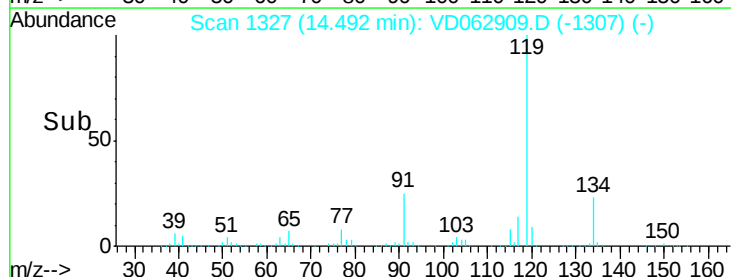
600000

400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 22.138 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

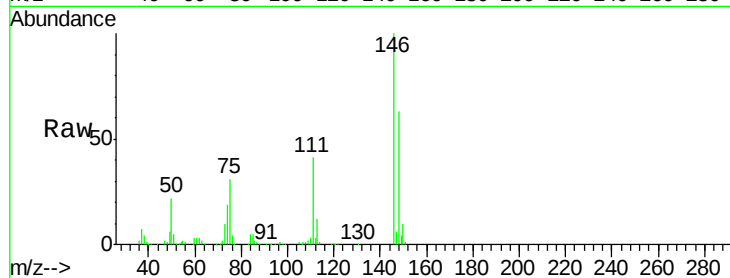
Tot Ion:146 Resp: 411350

Ion Ratio Lower Upper

146 100

111 41.2 19.0 57.0

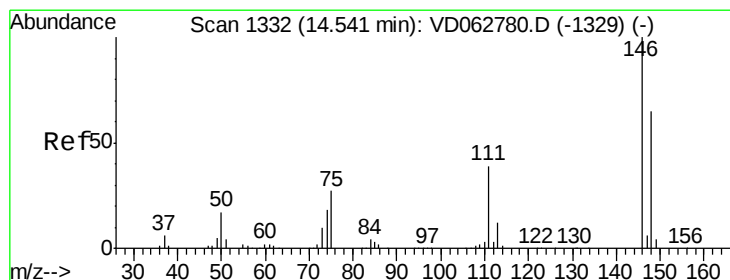
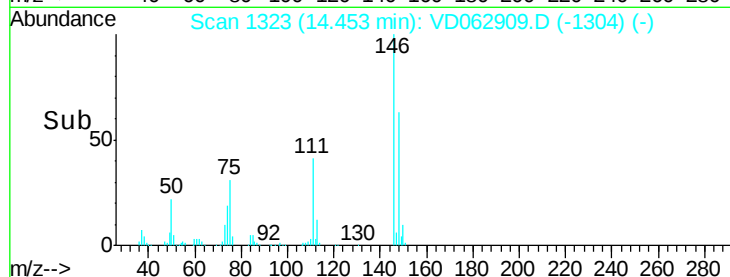
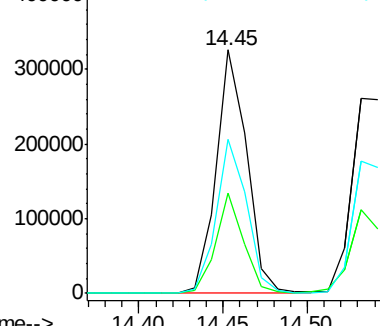
148 63.4 30.8 92.3



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: 20.741 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

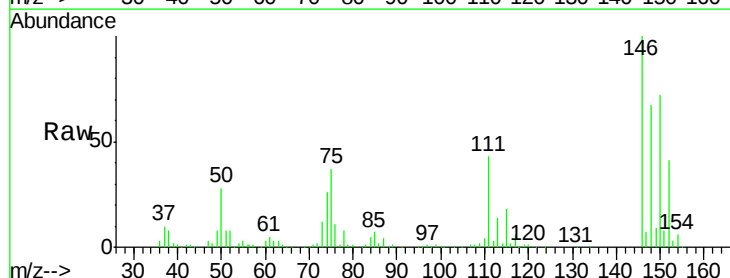
Tgt Ion:146 Resp: 387081

Ion Ratio Lower Upper

146 100

111 42.8 19.7 59.1

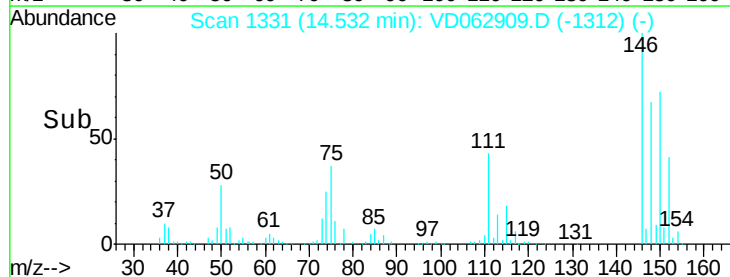
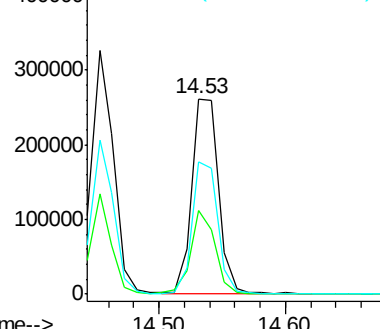
148 67.4 32.8 98.3

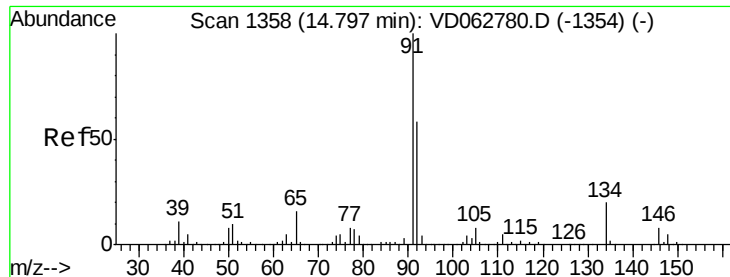


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.440 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062909.D

Acq: 26 Jun 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

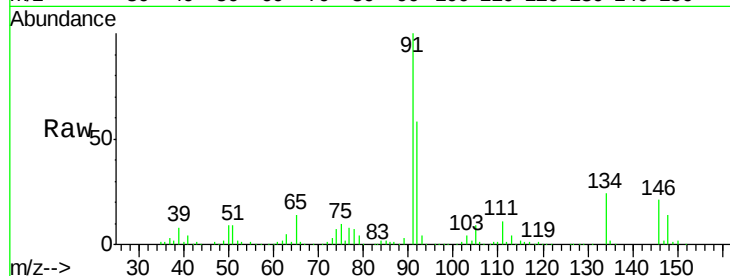
Tot Ion: 91 Resp: 652754

Ion Ratio Lower Upper

91 100

92 58.2 28.9 86.7

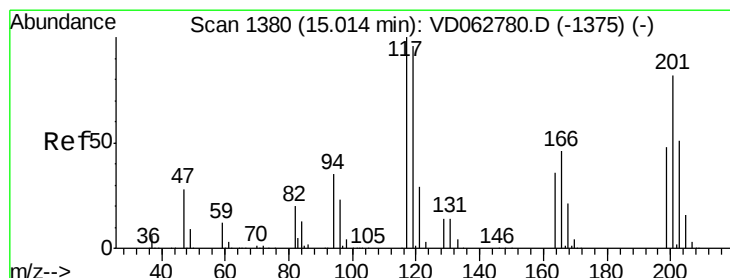
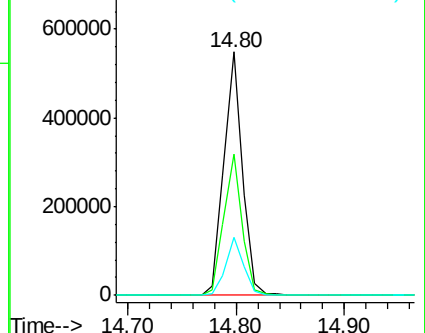
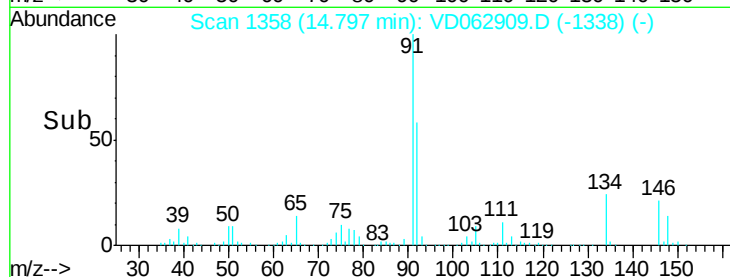
134 23.6 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.724 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062909.D

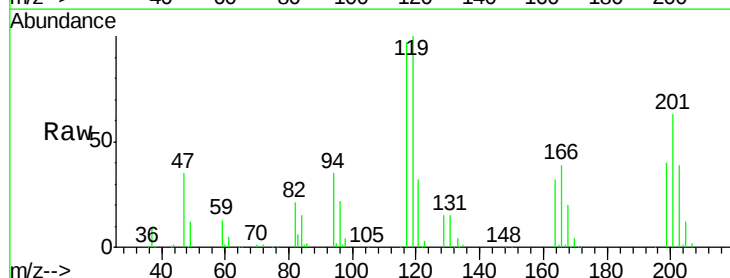
Acq: 26 Jun 2019 11:27

Tgt Ion: 117 Resp: 180608

Ion Ratio Lower Upper

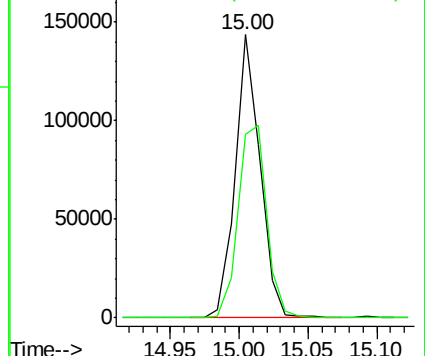
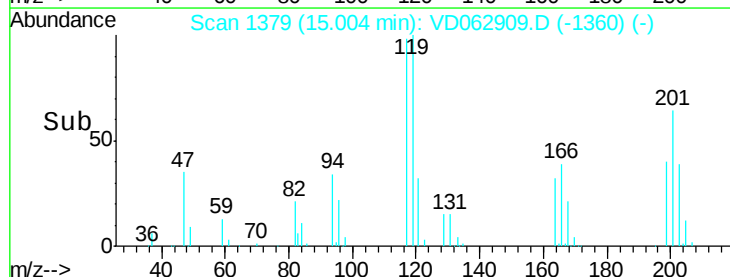
117 100

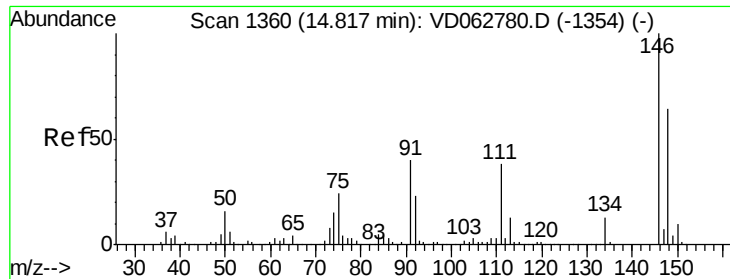
201 65.0 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

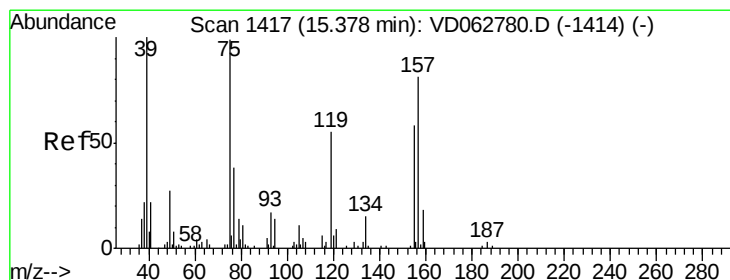
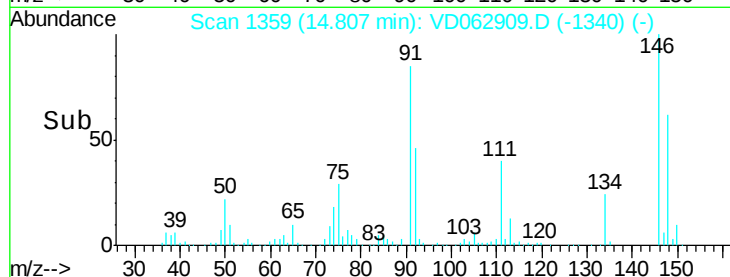
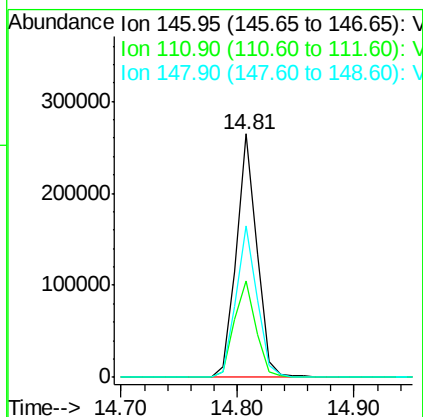
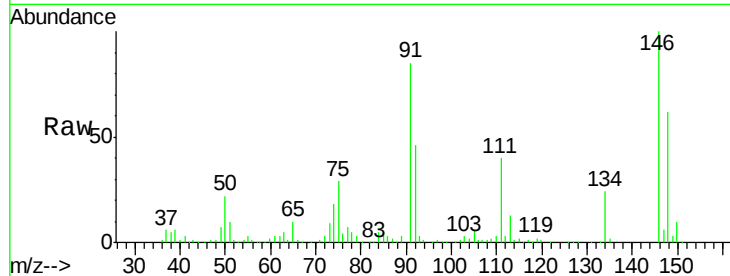




#91
 1,2-Dichlorobenzene
 Concen: 20.475 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

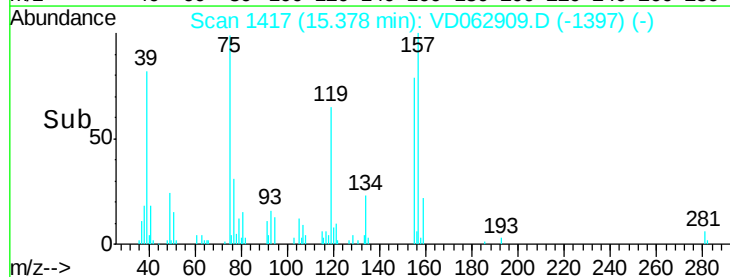
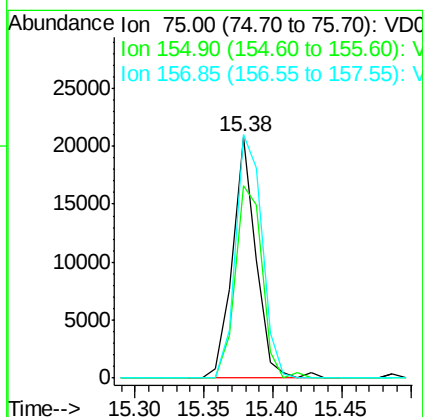
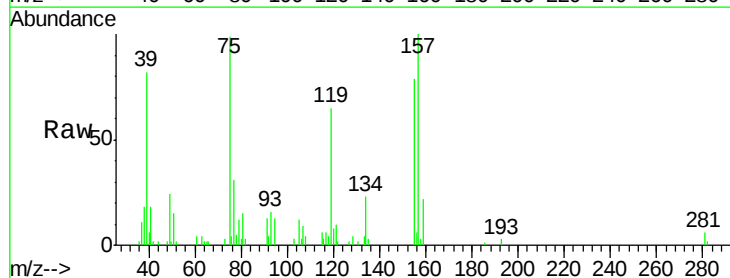
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

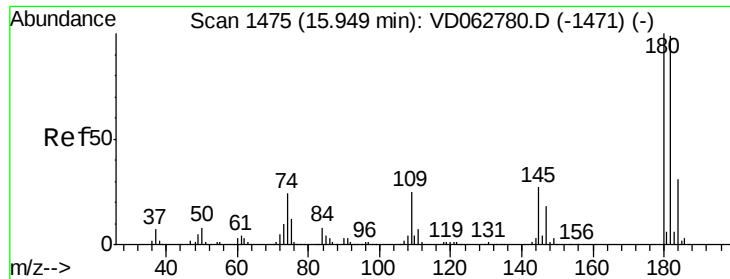
Tot Ion:146 Resp: 325499
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.1 57.1
 148 62.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.071 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Tgt Ion: 75 Resp: 24598
 Ion Ratio Lower Upper
 75 100
 155 79.8 29.3 87.8
 157 100.8 41.3 123.7

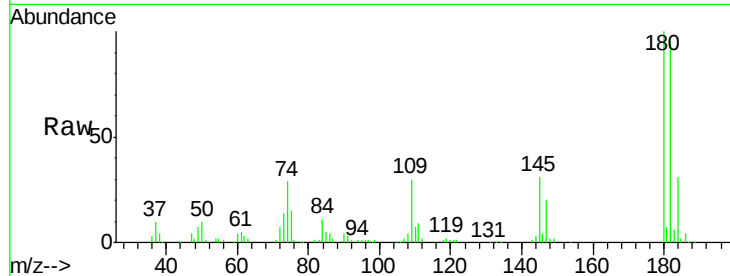




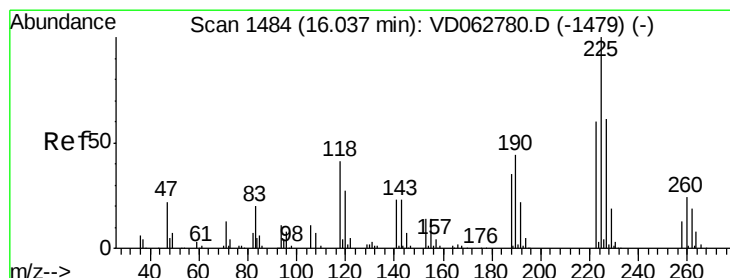
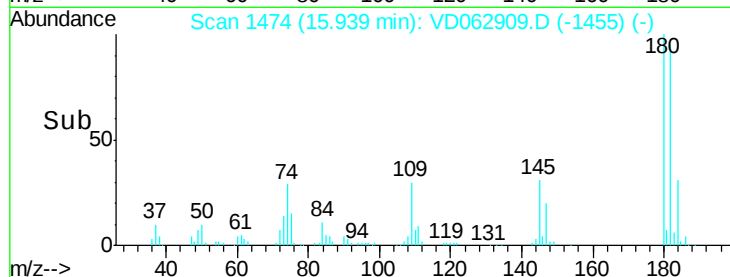
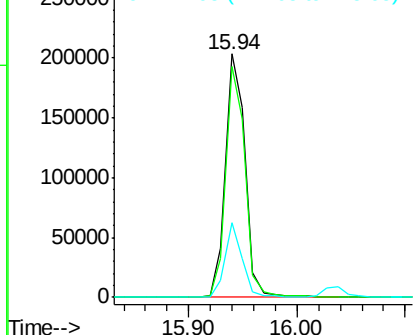
#93
 1,2,4-Trichlorobenzene
 Concen: 20.748 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Tot Ion:180 Resp: 257662
 Ion Ratio Lower Upper
 180 100
 182 95.0 49.5 148.5
 145 30.6 13.7 41.0

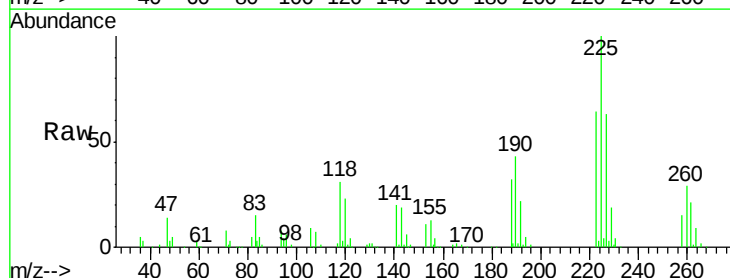


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

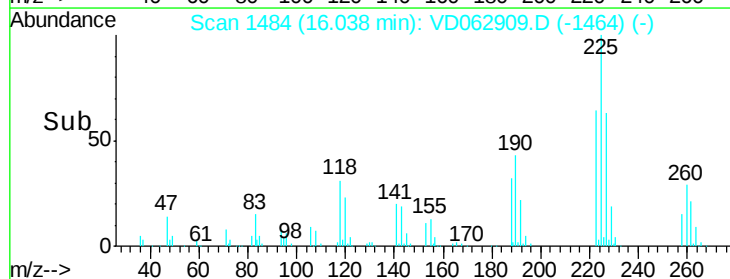
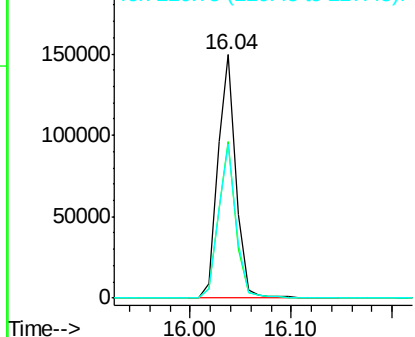


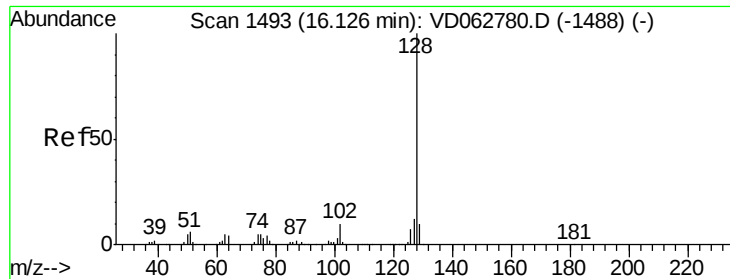
#94
 Hexachlorobutadiene
 Concen: 19.773 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062909.D
 Acq: 26 Jun 2019 11:27

Tgt Ion:225 Resp: 187587
 Ion Ratio Lower Upper
 225 100
 223 64.5 29.8 89.5
 227 63.4 30.6 91.6



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

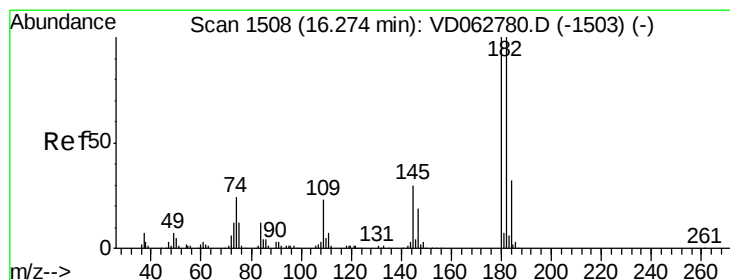
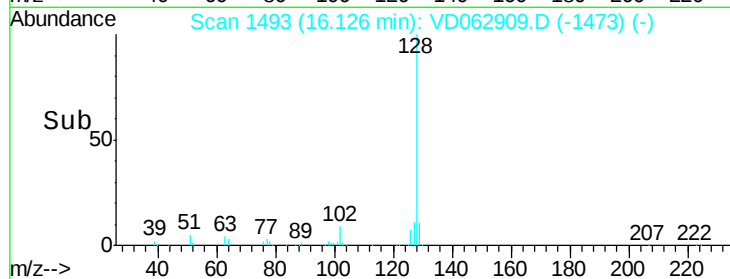
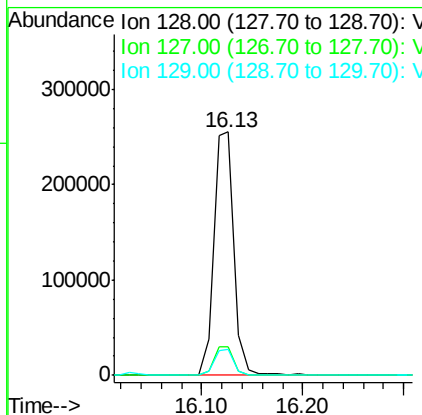
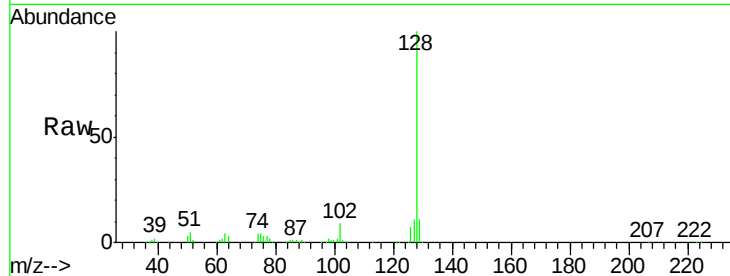




#95
Naphthalene
Concen: 20.488 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBS01

Tot Ion:128 Resp: 356610
Ion Ratio Lower Upper
128 100
127 11.5 9.7 14.5
129 10.9 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 21.272 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062909.D
Acq: 26 Jun 2019 11:27

Tgt Ion:180 Resp: 202968
Ion Ratio Lower Upper
180 100
182 92.0 49.9 149.6
145 30.6 15.2 45.5

