

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
 Data File : VD063037.D
 Acq On : 8 Jul 2019 15:37
 Operator : VA/AP
 Sample : VD0708SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Quant Time: Jul 09 05:10:49 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	7.05	168	850152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1209746	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1015896	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	549386	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	476757	51.59	ug/l	-0.01
Spiked Amount			Recovery	=	103.18%	
35) Dibromofluoromethane	6.93	113	529973	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
50) Toluene-d8	10.41	98	1147021	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	13.55	95	516070	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	253225	23.018	ug/l	100
3) Chloromethane	1.75	50	180175	21.777	ug/l	91
4) Vinyl Chloride	1.85	62	186515	22.737	ug/l	94
5) Bromomethane	2.14	94	73847	19.222	ug/l #	96
6) Chloroethane	2.25	64	78461	21.126	ug/l	95
7) Trichlorofluoromethane	2.53	101	379855	22.880	ug/l	99
8) Diethyl Ether	2.87	74	49684	23.554	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	211456	23.511	ug/l	97
10) Methyl Iodide	3.30	142	253589	21.371	ug/l	92
11) Tert butyl alcohol	4.09	59	47453	112.747	ug/l #	95
12) 1,1-Dichloroethene	3.12	96	164151	24.329	ug/l	98
13) Acrolein	3.04	56	25906	60.293	ug/l	95
14) Allyl chloride	3.61	41	233409	23.412	ug/l	93
15) Acrylonitrile	4.20	53	123369	124.747	ug/l	92
16) Acetone	3.23	43	197379	101.160	ug/l	95
17) Carbon Disulfide	3.37	76	477637	22.150	ug/l	96
18) Methyl Acetate	3.65	43	84855	30.418	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	358913	24.573	ug/l	94
20) Methylene Chloride	3.82	84	174075	24.700	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	164959	22.962	ug/l	93
22) Diisopropyl ether	5.13	45	473877	23.373	ug/l	99
23) Vinyl Acetate	5.06	43	1348360	106.281	ug/l	99
24) 1,1-Dichloroethane	4.98	63	309165	23.421	ug/l	97
25) 2-Butanone	6.08	43	208069	120.386	ug/l	94
26) 2,2-Dichloropropane	6.02	77	336442	24.046	ug/l	94
27) cis-1,2-Dichloroethene	6.04	96	187703	24.707	ug/l	95
28) Bromochloromethane	6.44	49	115239	24.787	ug/l	90
29) Tetrahydrofuran	6.46	42	95509	116.795	ug/l	94
30) Chloroform	6.66	83	373609	23.273	ug/l	93
31) Cyclohexane	6.96	56	207559	23.918	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	381518	22.817	ug/l	93
36) 1,1-Dichloropropene	7.14	75	249075	21.750	ug/l #	91
37) Ethyl Acetate	6.19	43	96979	19.487	ug/l #	93
38) Carbon Tetrachloride	7.11	117	370427	21.507	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	221936	22.016	ug/l	93
40) Benzene	7.45	78	514672	22.389	ug/l	95
41) Methacrylonitrile	6.45	41	128494	21.276	ug/l #	89
42) 1,2-Dichloroethane	7.58	62	268305	21.395	ug/l	98
43) Isopropyl Acetate	9.24	43	130761	21.779	ug/l #	96
44) Trichloroethene	8.54	130	208667	23.154	ug/l	90
45) 1,2-Dichloropropane	8.94	63	125345	21.929	ug/l	92
46) Dibromomethane	9.06	93	108806	22.159	ug/l	94
47) Bromodichloromethane	9.38	83	281947	22.110	ug/l	99
48) Methyl methacrylate	9.12	41	94351	22.114	ug/l	95
49) 1,4-Dioxane	9.08	88	17687	498.280	ug/l #	83
51) 4-Methyl-2-Pentanone	10.30	43	452841	106.383	ug/l	100
52) Toluene	10.51	92	352461	22.810	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	230573	22.091	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	259989	22.917	ug/l	92
55) 1,1,2-Trichloroethane	11.19	97	117304	22.096	ug/l	92
56) Ethyl methacrylate	11.04	69	126575	22.310	ug/l	97
57) 1,3-Dichloropropane	11.41	76	170452	20.969	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	342428	117.565	ug/l	98
59) 2-Hexanone	11.53	43	322430	106.357	ug/l	99
60) Dibromochloromethane	11.68	129	215742	21.818	ug/l	98
61) 1,2-Dibromoethane	11.81	107	144842	23.101	ug/l	97
64) Tetrachloroethene	11.26	164	188655	22.563	ug/l	91
65) Chlorobenzene	12.40	112	439577	23.315	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	202035	22.914	ug/l	93
67) Ethyl Benzene	12.52	91	755158	22.309	ug/l	99
68) m/p-Xylenes	12.67	106	570237	48.367	ug/l	99
69) o-Xylene	13.05	106	263963	24.492	ug/l	94
70) Styrene	13.07	104	456681	24.124	ug/l	94
71) Bromoform	13.24	173	131530	21.773	ug/l	92
73) Isopropylbenzene	13.40	105	757399	21.501	ug/l	98
74) N-amyl acetate	13.27	43	192524	22.506	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	128623	22.410	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	137346	21.656	ug/l	98
77) Bromobenzene	13.67	156	211161	22.287	ug/l	97
78) n-propylbenzene	13.77	91	916055	22.343	ug/l	94
79) 2-Chlorotoluene	13.84	91	548976	23.430	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	719932	24.332	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	34556	20.789	ug/l	85
82) 4-Chlorotoluene	13.95	91	671942	23.821	ug/l	98
83) tert-Butylbenzene	14.19	119	750762	22.764	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	675278	22.267	ug/l	97
85) sec-Butylbenzene	14.37	105	794131	22.154	ug/l	95
86) p-Isopropyltoluene	14.49	119	759841	23.171	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	404517	23.817	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	402582	23.600	ug/l	95
89) n-Butylbenzene	14.79	91	716668	23.350	ug/l	97
90) Hexachloroethane	15.01	117	198815	22.549	ug/l	93
91) 1,2-Dichlorobenzene	14.80	146	332304	22.868	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.37	75	22079	19.709	ug/l	93

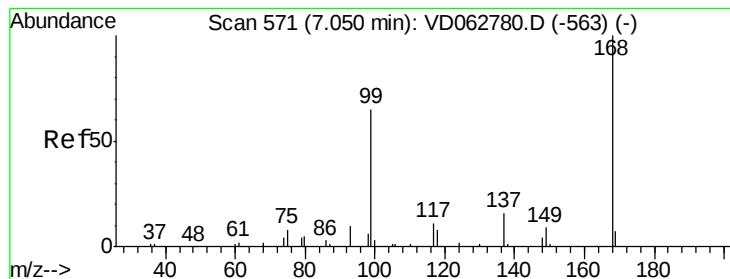
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
Data File : VD063037.D
Acq On : 8 Jul 2019 15:37
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Sample : VD0708SBSD01
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	251733	22.177	ug/l	99
94) Hexachlorobutadiene	16.03	225	184478	21.273	ug/l	95
95) Naphthalene	16.12	128	363454	22.845	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	199194	22.839	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

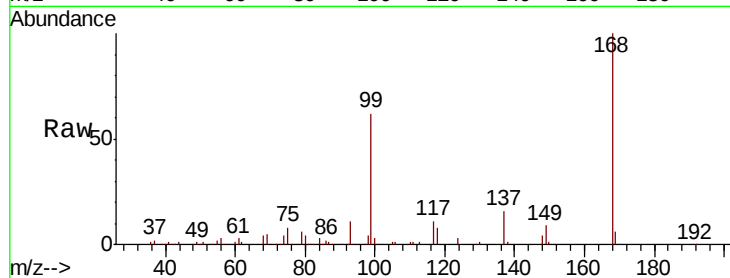
VD0708SBS01

Tot Ion:168 Resp: 850152

Ion Ratio Lower Upper

168 100

99 61.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

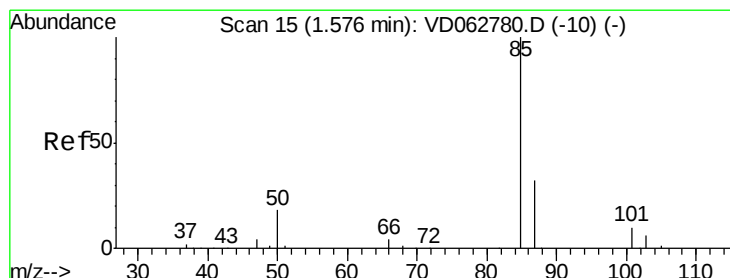
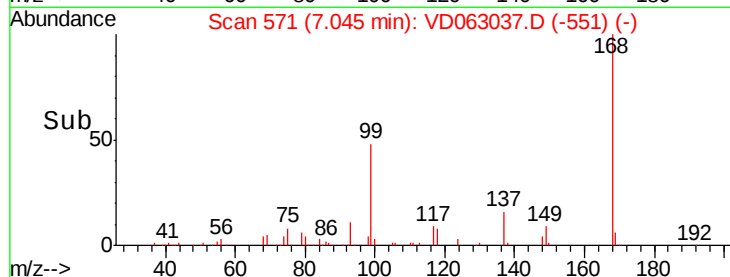
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 23.018 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063037.D

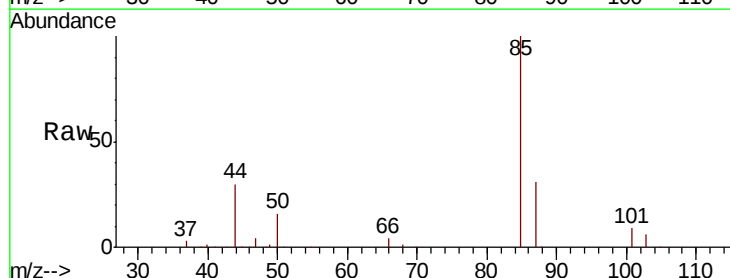
Acq: 8 Jul 2019 15:37

Tgt Ion: 85 Resp: 253225

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

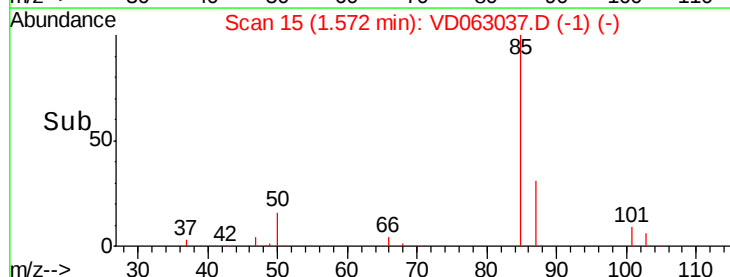
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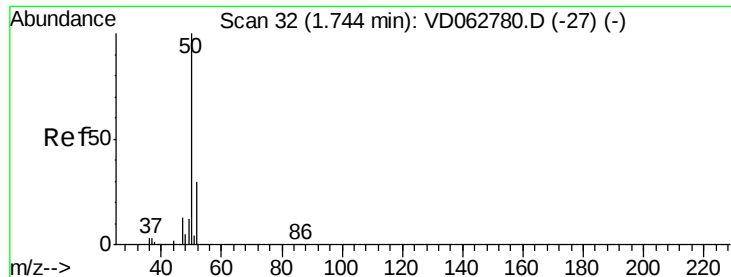
50000

0

Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 21.777 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

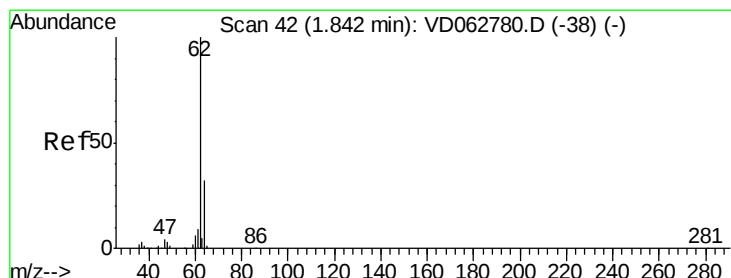
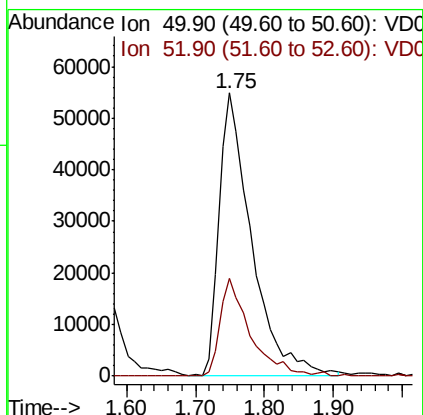
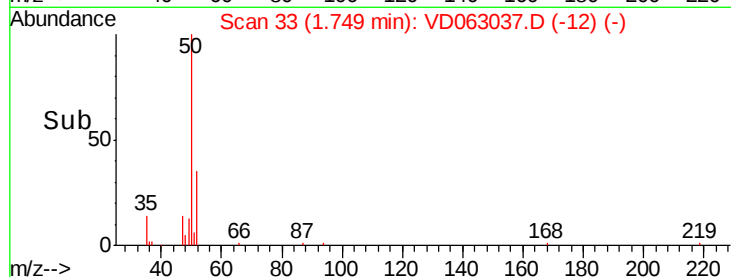
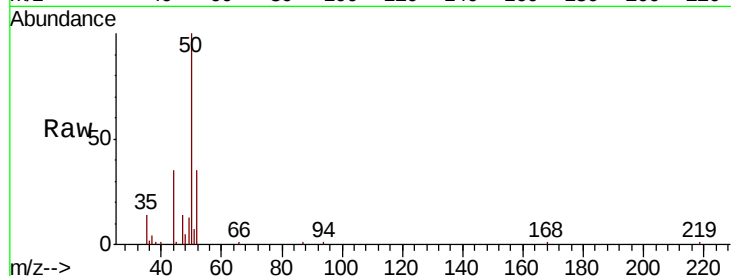
VD0708SBS01

Tot Ion: 50 Resp: 180175

Ion Ratio Lower Upper

50 100

52 34.6 23.6 35.4



#4

Vinyl Chloride

Concen: 22.737 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063037.D

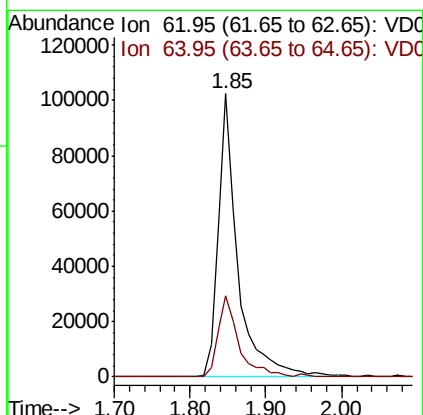
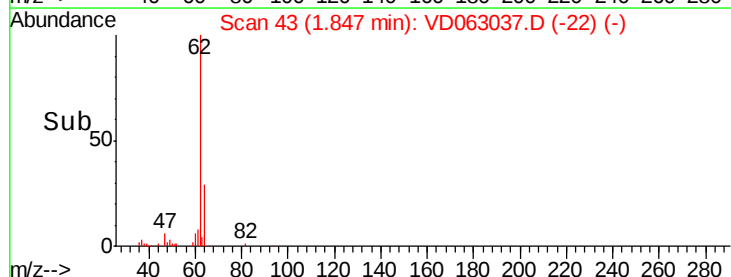
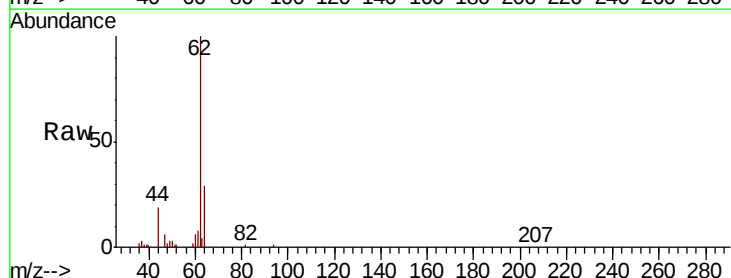
Acq: 8 Jul 2019 15:37

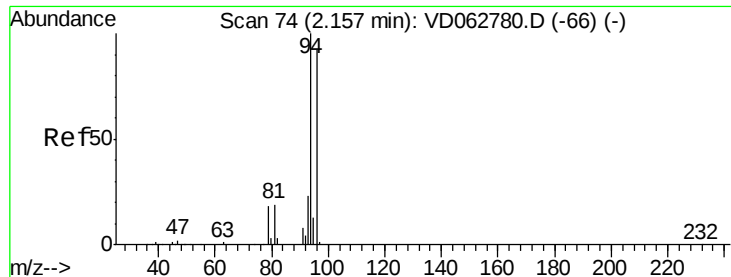
Tgt Ion: 62 Resp: 186515

Ion Ratio Lower Upper

62 100

64 28.8 25.6 38.4





#5

Bromomethane

Concen: 19.222 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

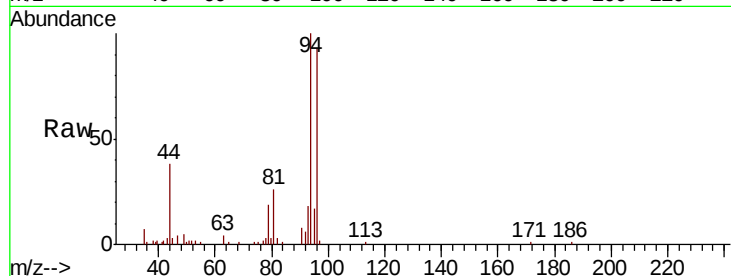
Tot Ion: 94 Resp: 73847

Ion Ratio Lower Upper

94 100

96 93.4 73.4 110.2

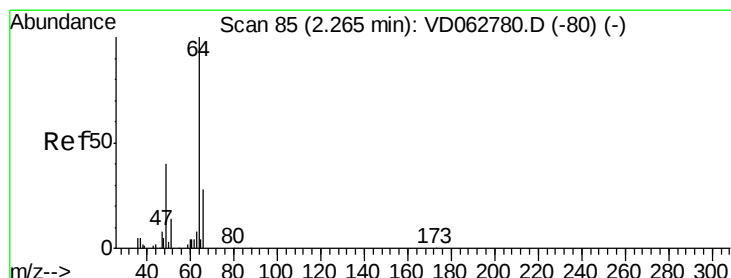
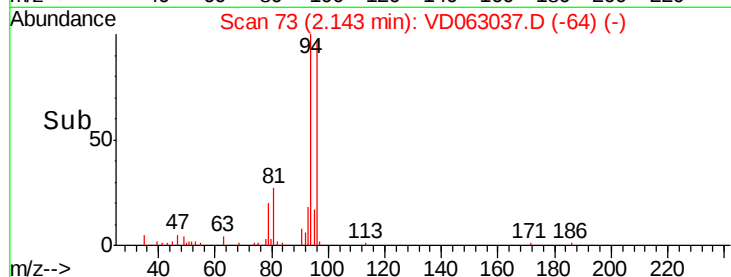
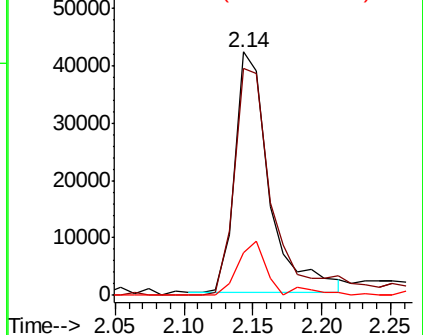
93 17.6 18.2 27.4#



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: 21.126 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063037.D

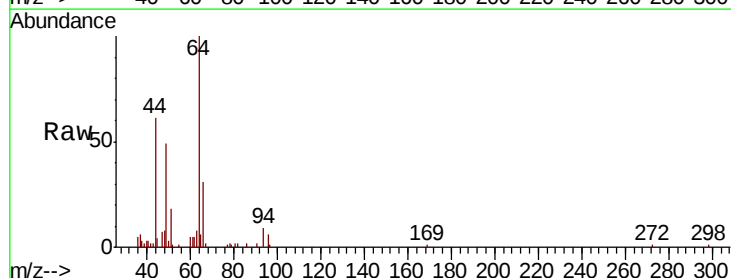
Acq: 8 Jul 2019 15:37

Tgt Ion: 64 Resp: 78461

Ion Ratio Lower Upper

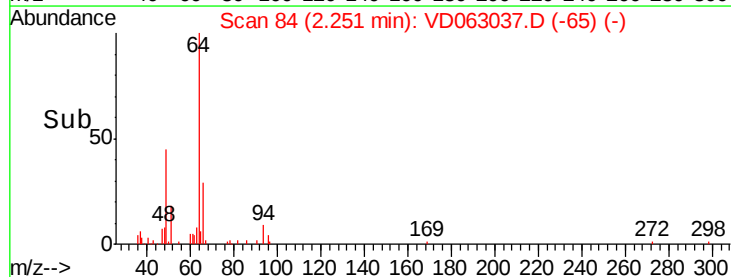
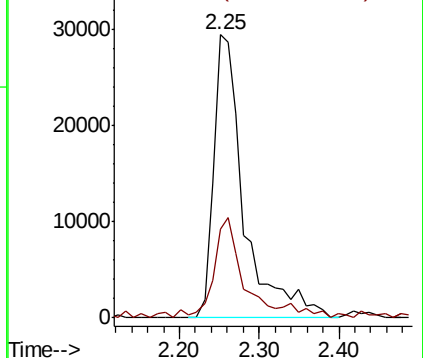
64 100

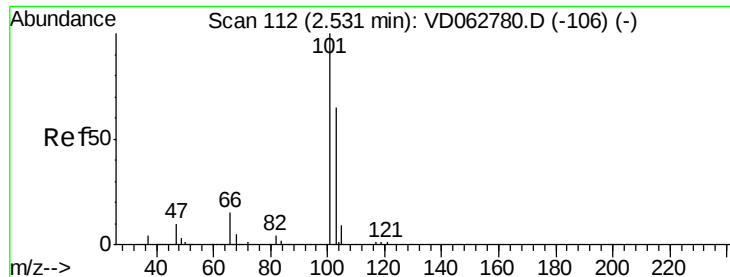
66 31.3 23.0 34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



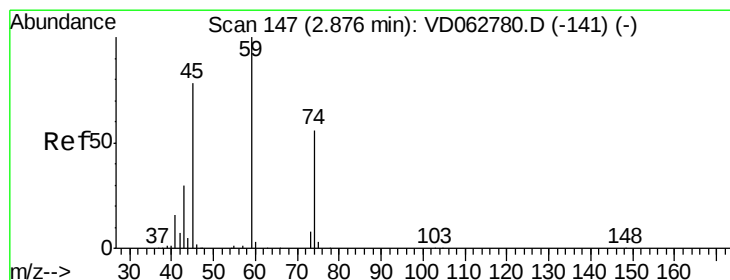
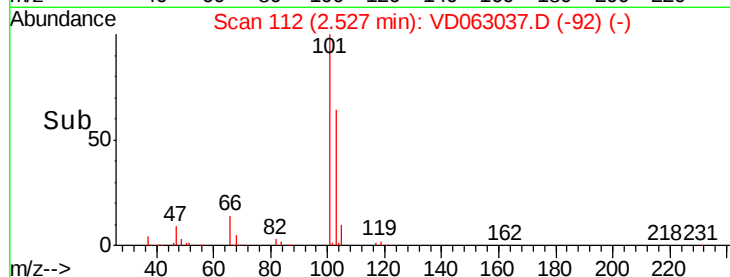
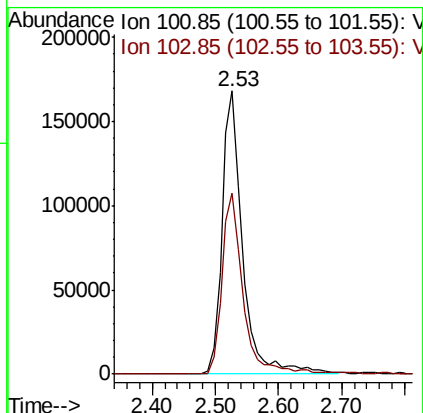
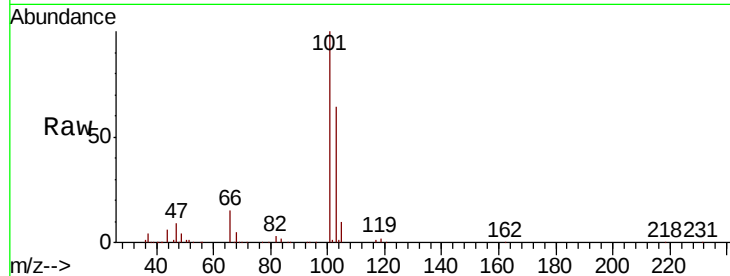


#7

Trichlorofluoromethane
 Concen: 22.880 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Instrument :
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 ClientSampleId :
 VD0708SBSD01

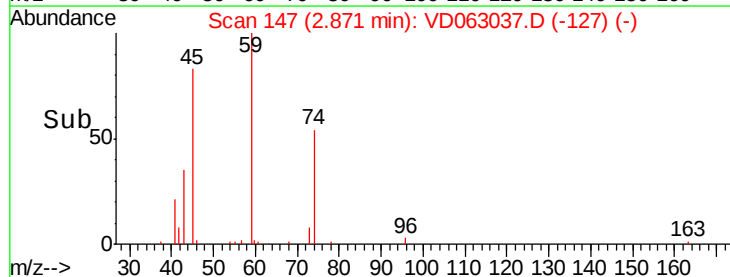
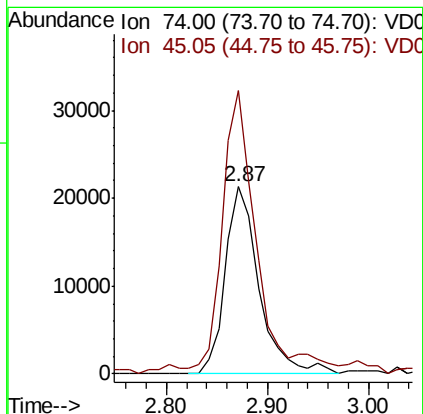
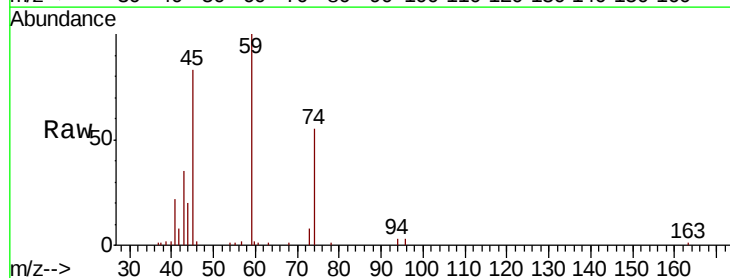
Tot Ion:101 Resp: 379855
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.8 77.8

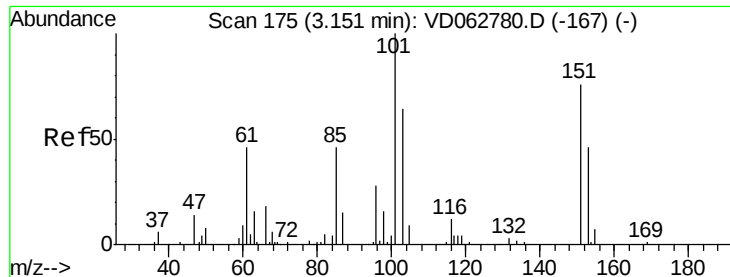


#8

Diethyl Ether
 Concen: 23.554 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Tgt Ion: 74 Resp: 49684
 Ion Ratio Lower Upper
 74 100
 45 151.2 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.511 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBSD01

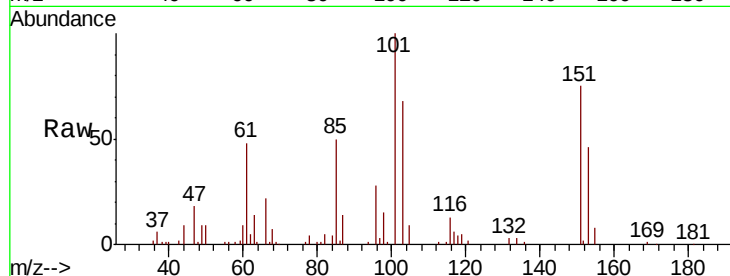
Tot Ion:101 Resp: 211456

Ion Ratio Lower Upper

101 100

85 49.7 37.0 55.4

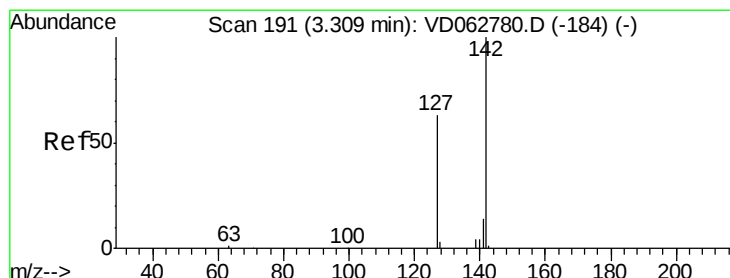
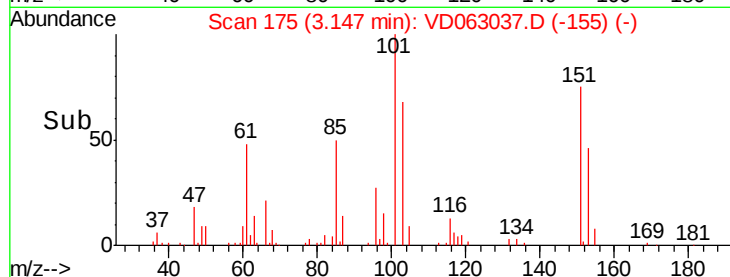
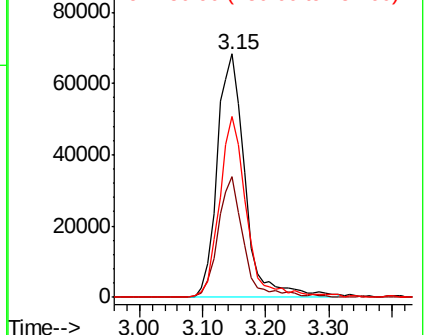
151 74.5 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VD

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 21.371 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

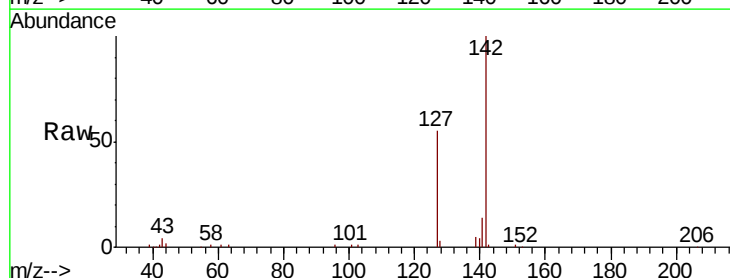
Tgt Ion:142 Resp: 253589

Ion Ratio Lower Upper

142 100

127 55.1 50.1 75.1

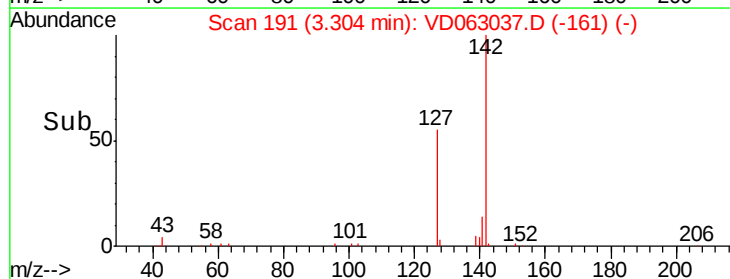
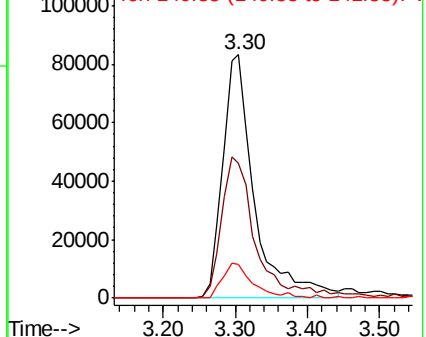
141 14.0 11.0 16.4

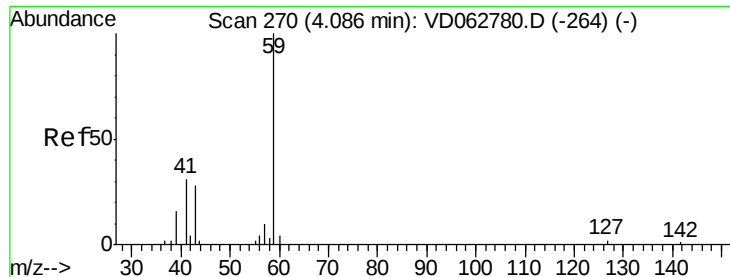


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



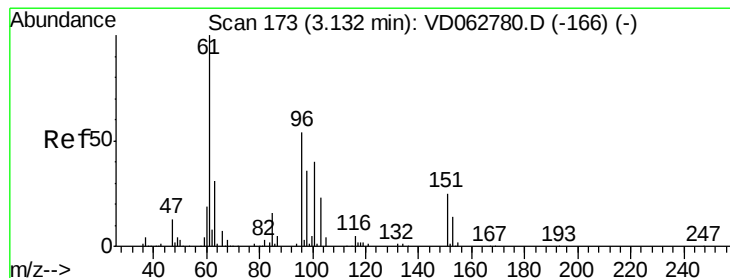
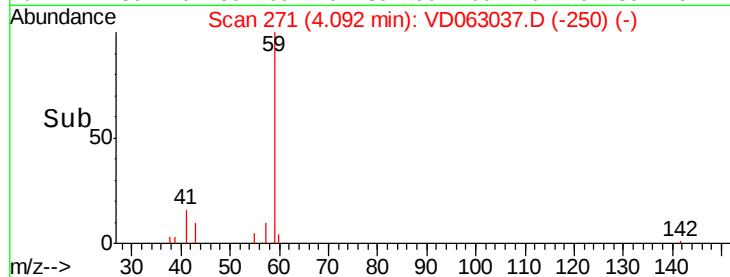
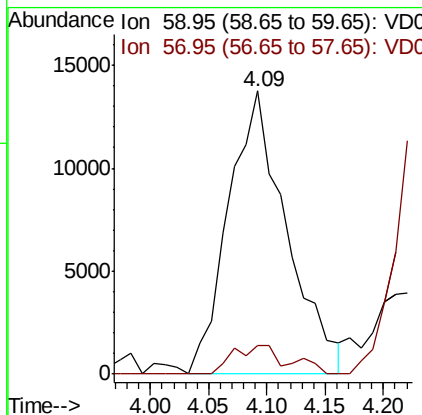
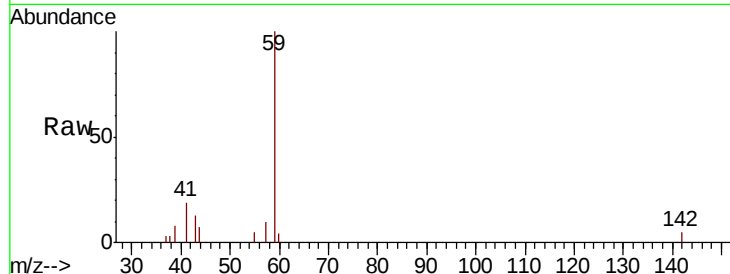


#11

Tert butyl alcohol
 Concen: 112.747 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

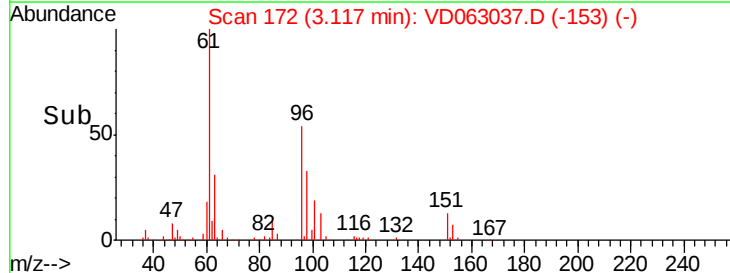
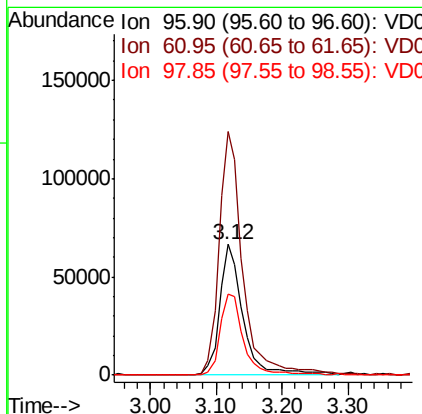
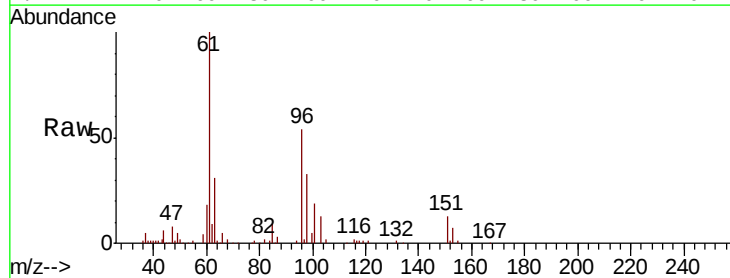
Tot Ion: 59 Resp: 47453
 Ion Ratio Lower Upper
 59 100
 57 10.1 6.6 10.0#

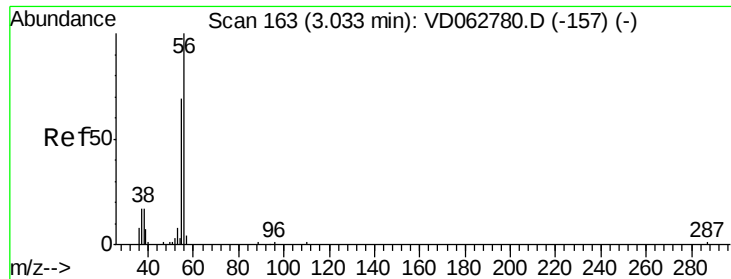


#12

1,1-Dichloroethene
 Concen: 24.329 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Tgt Ion: 96 Resp: 164151
 Ion Ratio Lower Upper
 96 100
 61 186.0 147.1 220.7
 98 61.9 52.6 79.0

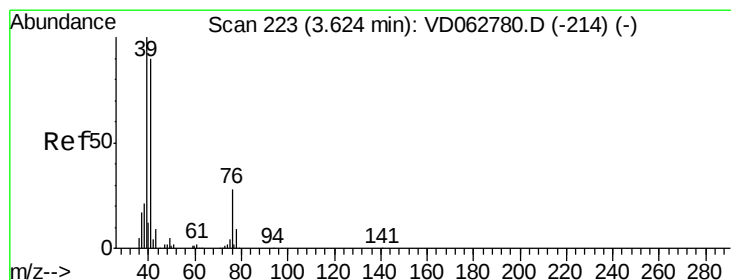
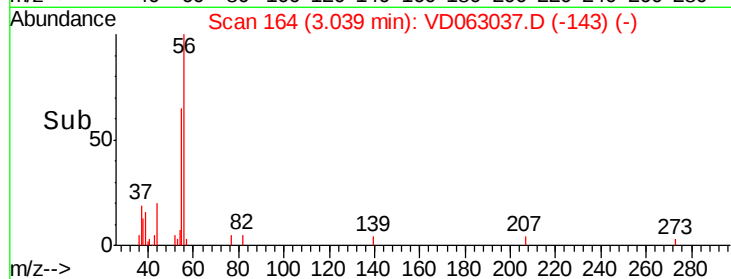
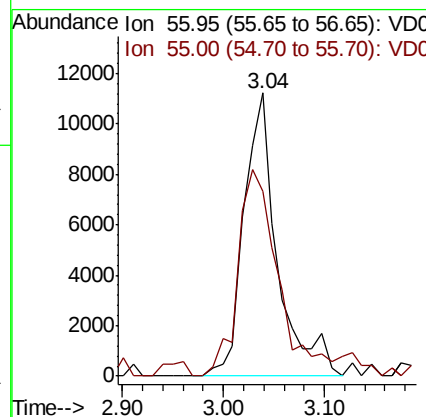
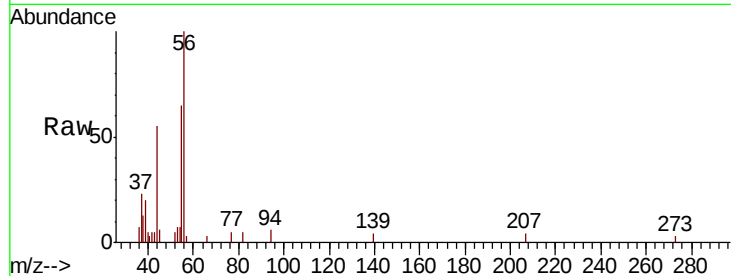




#13
Acrolein
Concen: 60.293 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

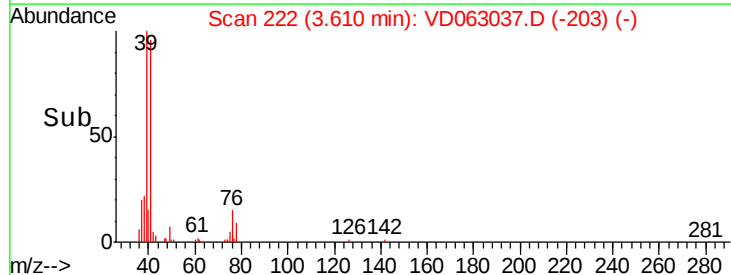
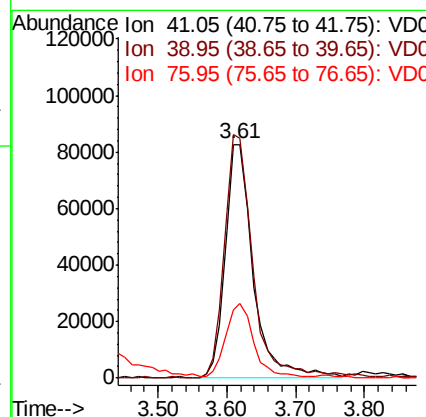
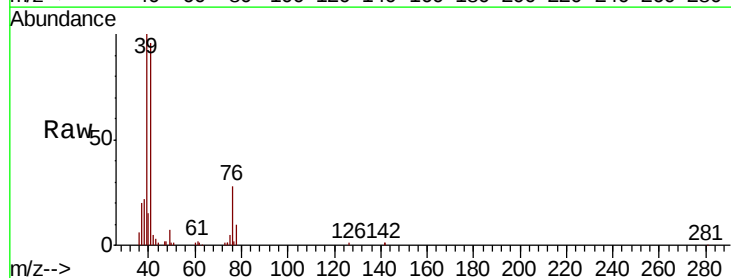
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBSD01

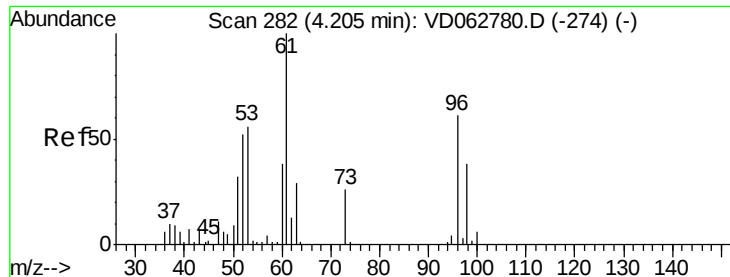
Tot Ion: 56 Resp: 25906
Ion Ratio Lower Upper
56 100
55 65.2 55.4 83.0



#14
Allyl chloride
Concen: 23.412 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.01 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion: 41 Resp: 233409
Ion Ratio Lower Upper
41 100
39 104.1 88.8 133.2
76 29.2 26.7 40.1





#15

Acrylonitrile

Concen: 124.747 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

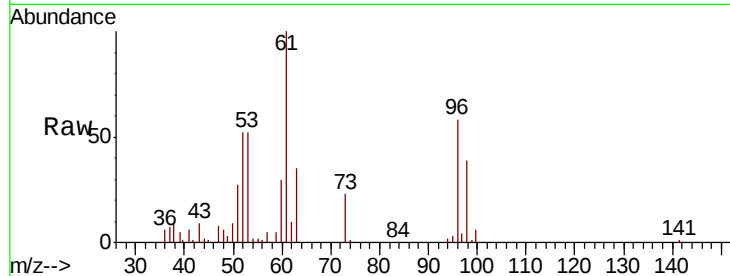
Tot Ion: 53 Resp: 123369

Ion Ratio Lower Upper

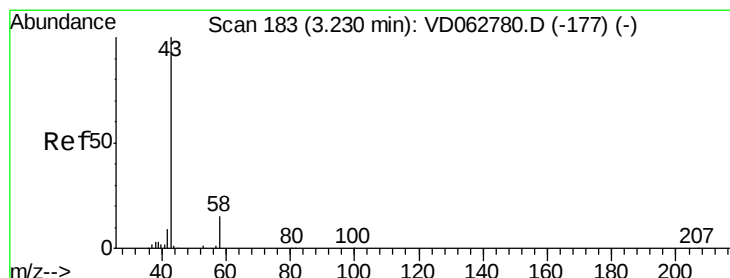
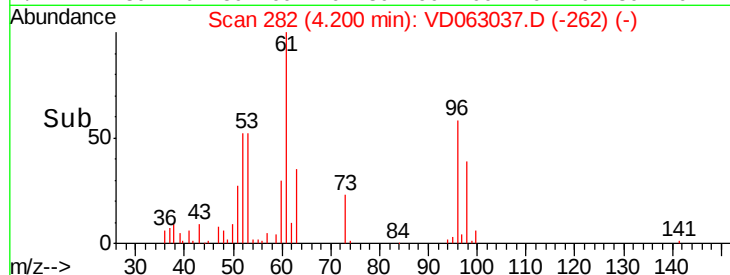
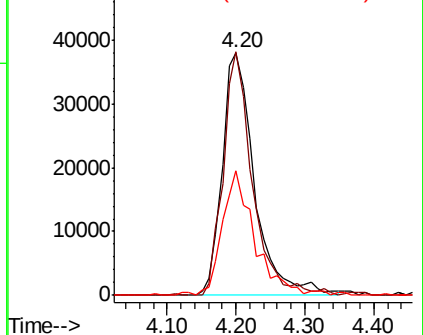
53 100

52 100.4 73.3 109.9

51 51.4 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: 101.160 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063037.D

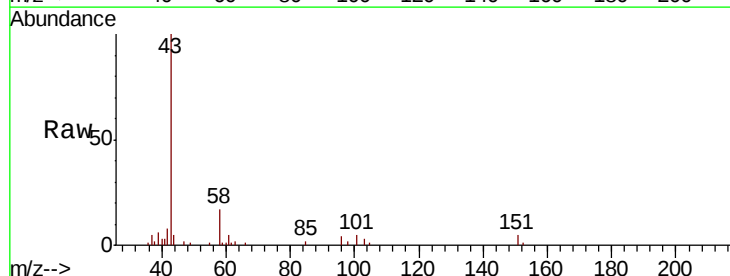
Acq: 8 Jul 2019 15:37

Tgt Ion: 43 Resp: 197379

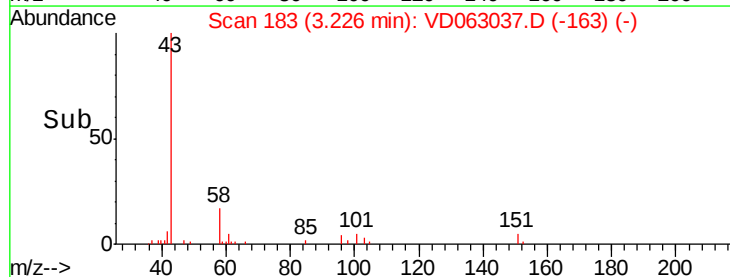
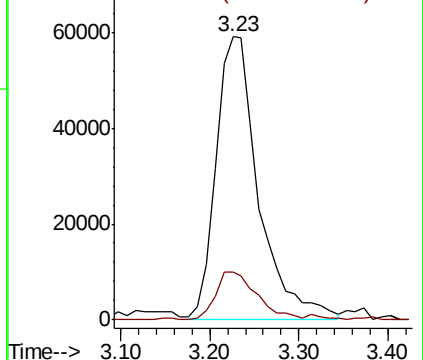
Ion Ratio Lower Upper

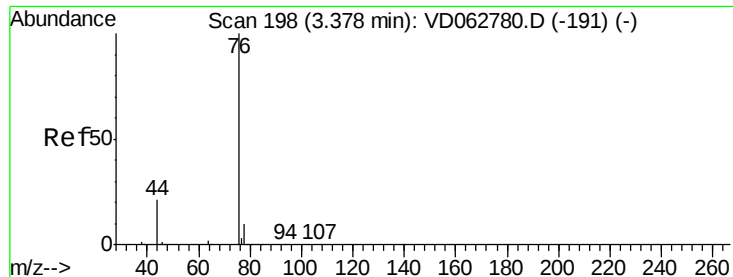
43 100

58 16.9 11.9 17.9



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

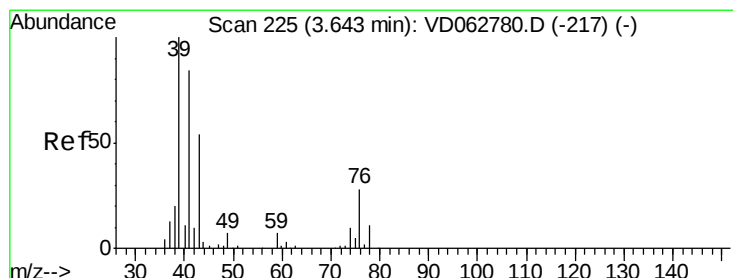
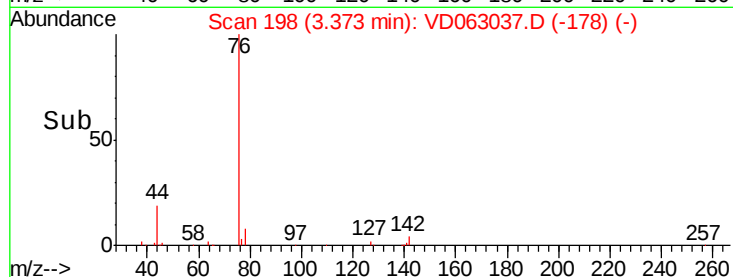
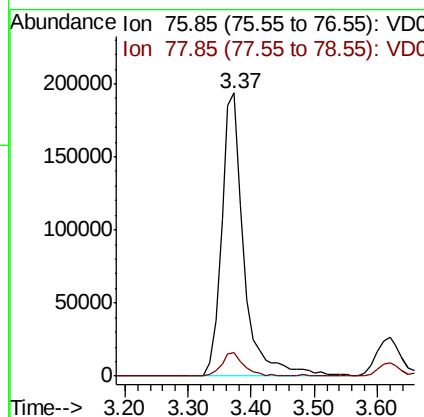
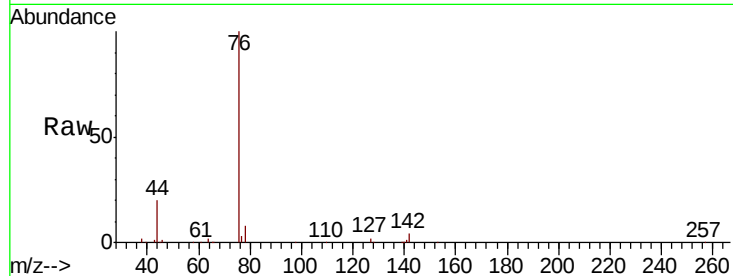




#17
Carbon Disulfide
Concen: 22.150 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

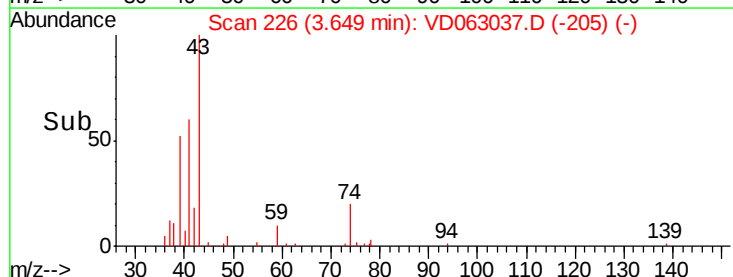
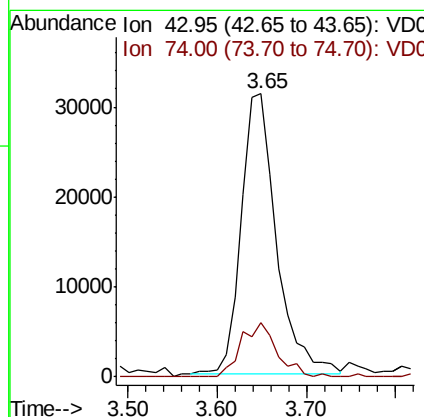
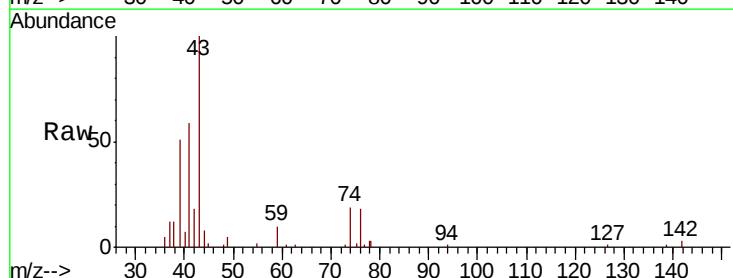
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBSD01

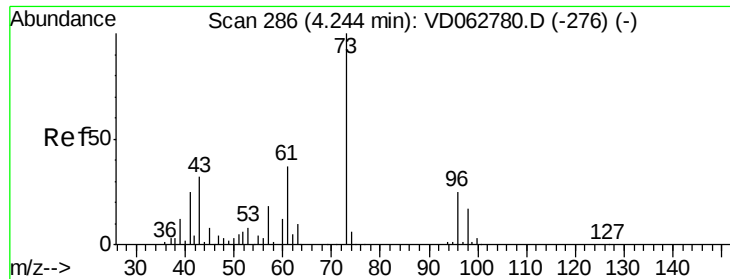
Tot Ion: 76 Resp: 477637
Ion Ratio Lower Upper
76 100
78 8.4 8.0 12.0



#18
Methyl Acetate
Concen: 30.418 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion: 43 Resp: 84855
Ion Ratio Lower Upper
43 100
74 19.3 15.2 22.8

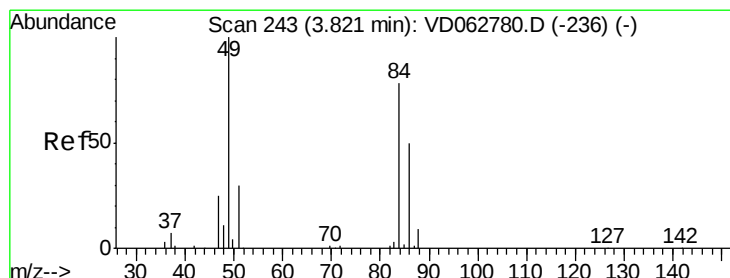
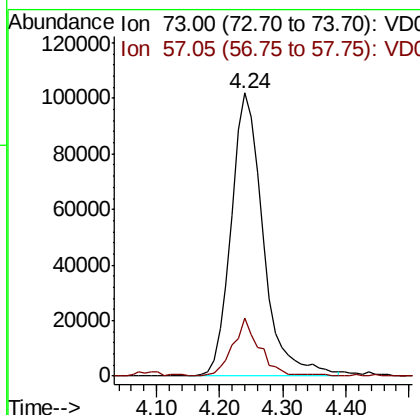
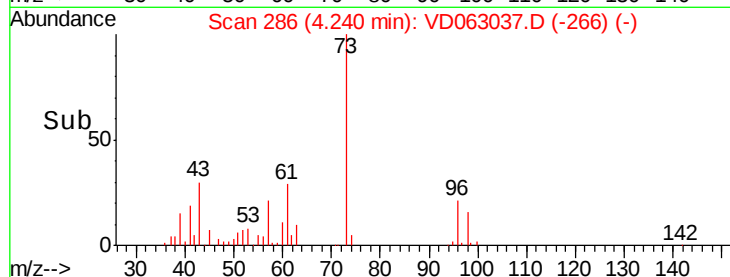
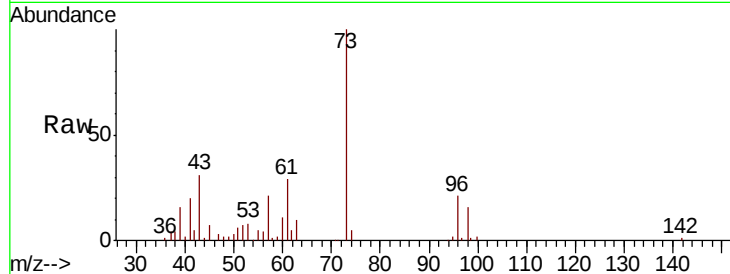




#19
Methyl tert-butyl Ether
Concen: 24.573 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

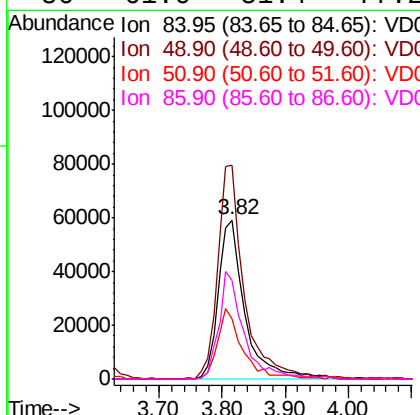
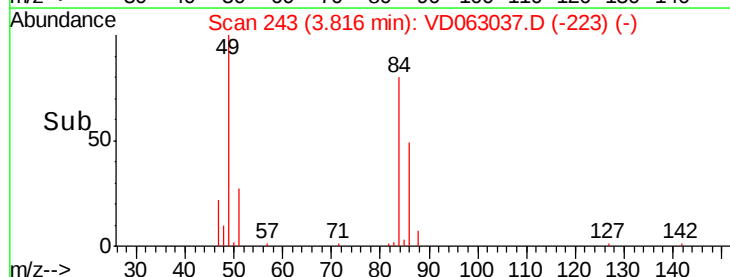
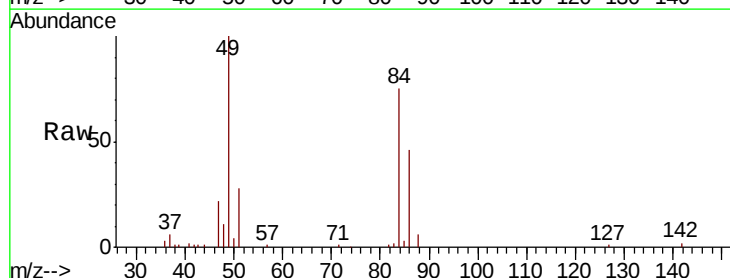
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

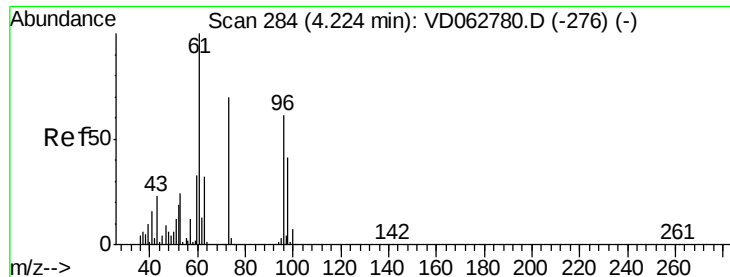
Tot Ion: 73 Resp: 358913
Ion Ratio Lower Upper
73 100
57 20.5 14.3 21.5



#20
Methylene Chloride
Concen: 24.700 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion: 84 Resp: 174075
Ion Ratio Lower Upper
84 100
49 134.0 102.9 154.3
51 37.9 31.2 46.8
86 61.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 22.962 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBSD01

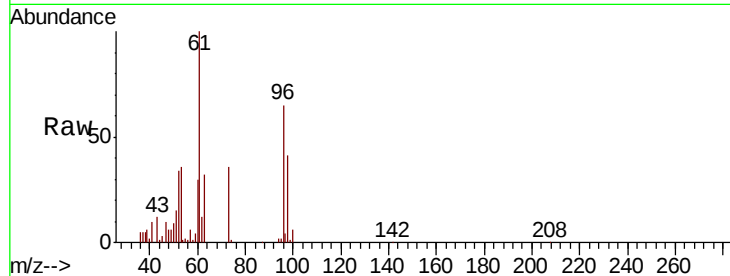
Tot Ion: 96 Resp: 164959

Ion Ratio Lower Upper

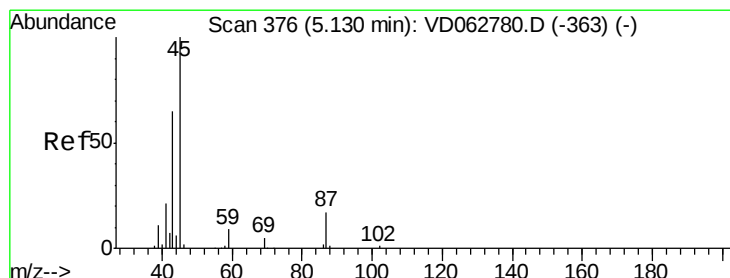
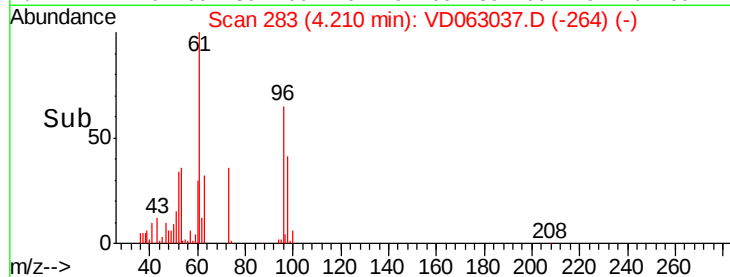
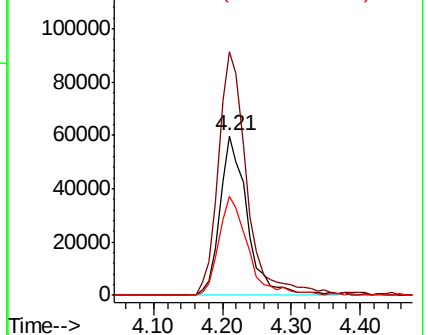
96 100

61 152.9 131.0 196.4

98 62.3 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: 23.373 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Tgt Ion: 45 Resp: 473877

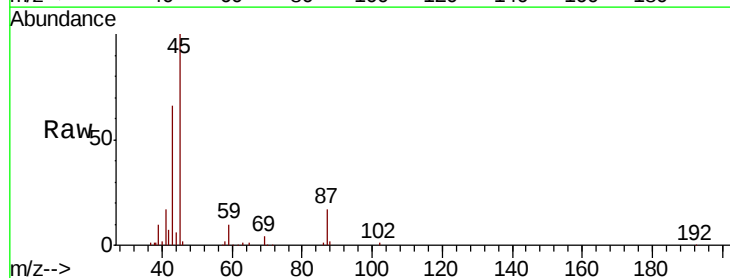
Ion Ratio Lower Upper

45 100

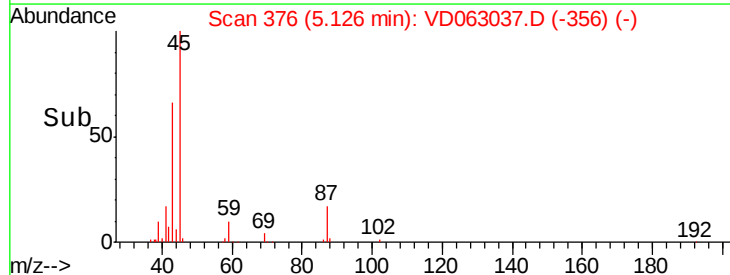
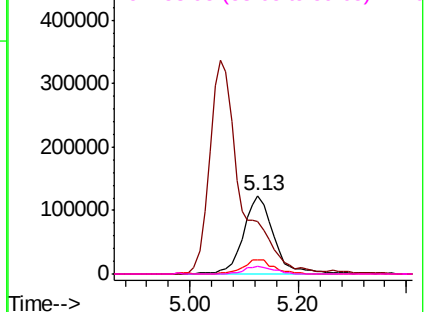
43 66.3 53.4 80.0

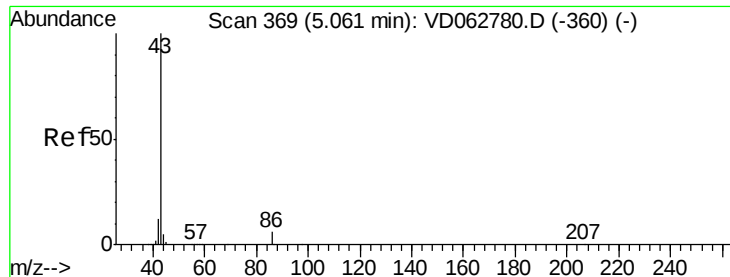
87 17.2 14.6 22.0

59 9.7 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: 106.281 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

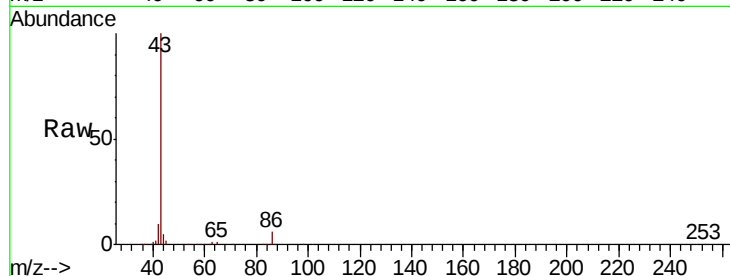
VD0708SBS01

Tot Ion: 43 Resp: 1348360

Ion Ratio Lower Upper

43 100

86 5.6 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

400000

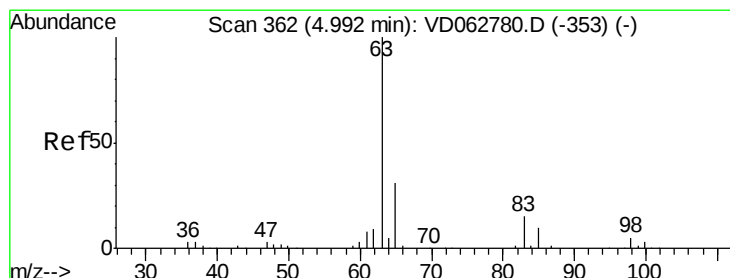
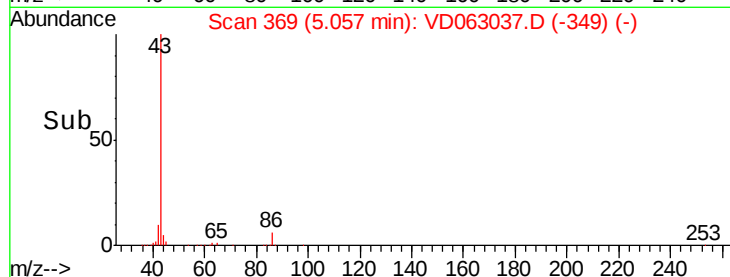
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.421 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

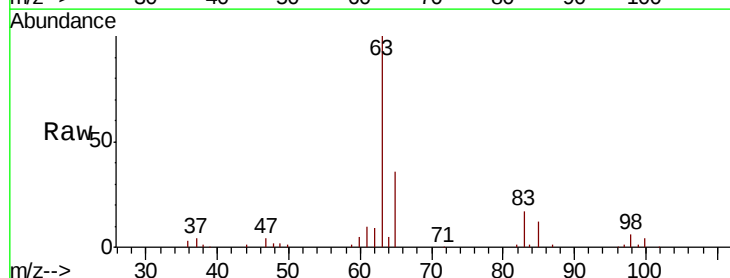
Tgt Ion: 63 Resp: 309165

Ion Ratio Lower Upper

63 100

98 6.2 2.3 6.9

100 3.8 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

4.98

100000

80000

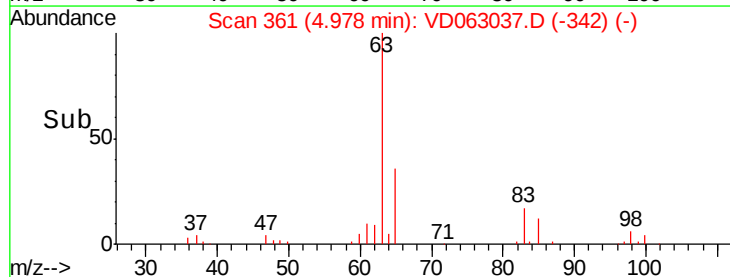
60000

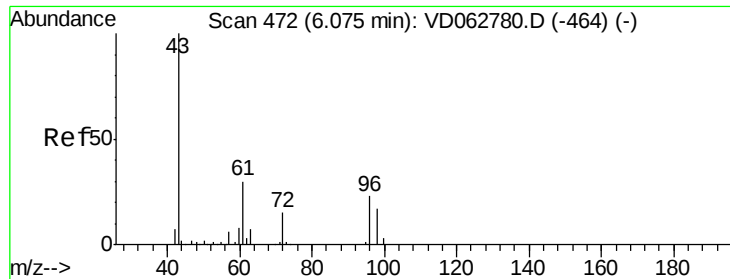
40000

20000

0

Time-->





#25

2-Butanone

Concen: 120.386 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

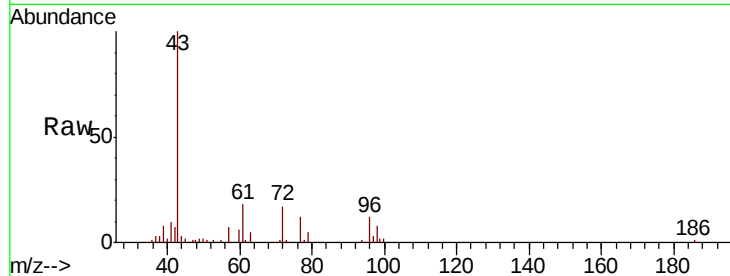
VD0708SBS01

Tot Ion: 43 Resp: 208069

Ion Ratio Lower Upper

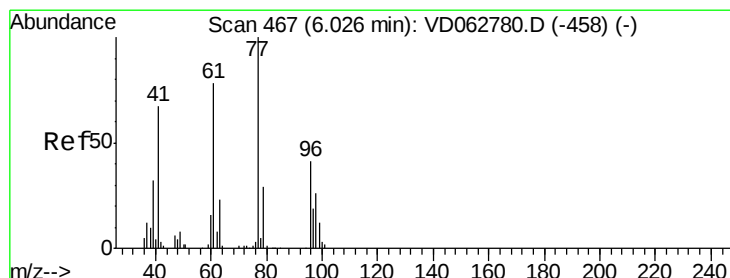
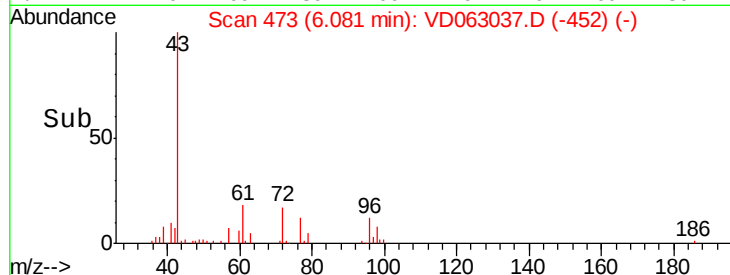
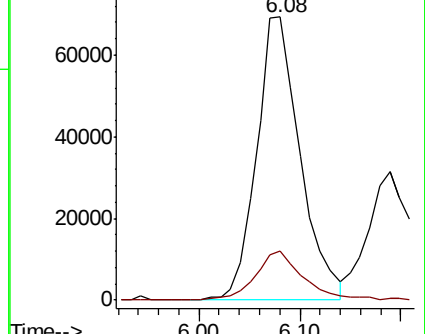
43 100

72 17.3 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: 24.046 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD063037.D

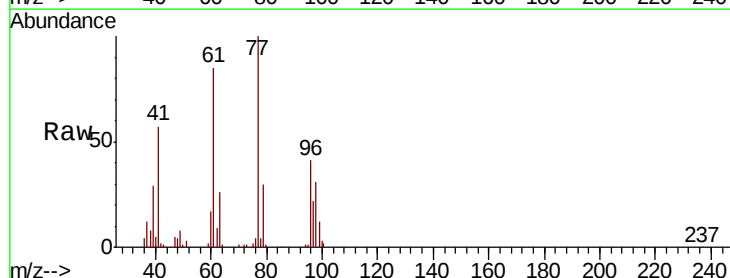
Acq: 8 Jul 2019 15:37

Tgt Ion: 77 Resp: 336442

Ion Ratio Lower Upper

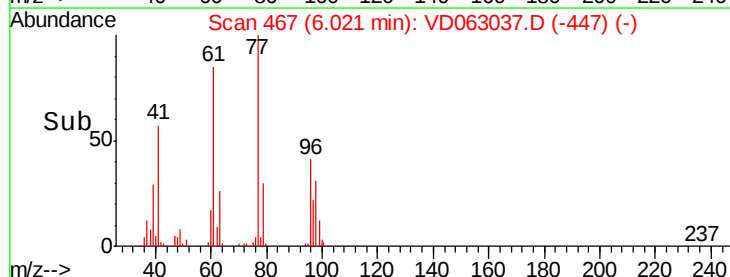
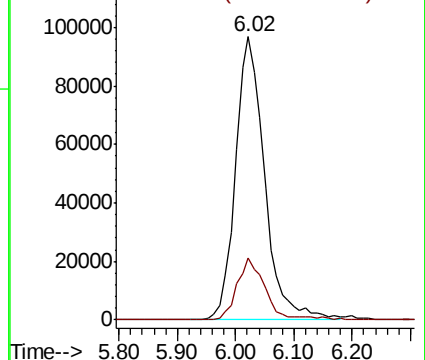
77 100

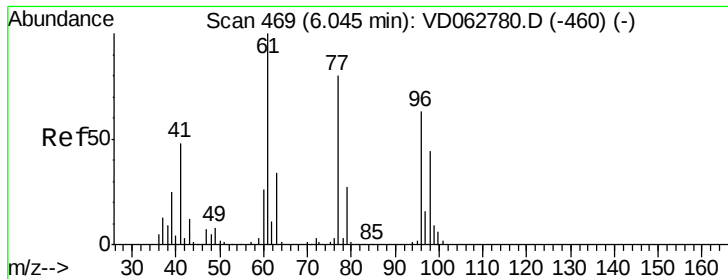
97 21.9 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



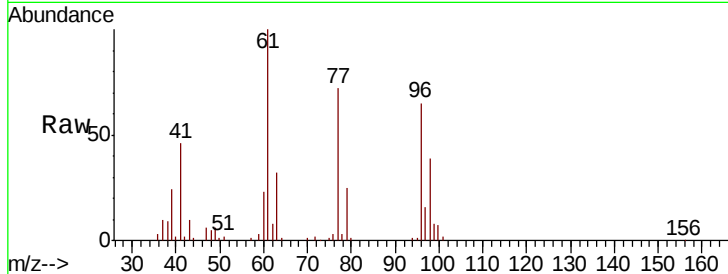


#27

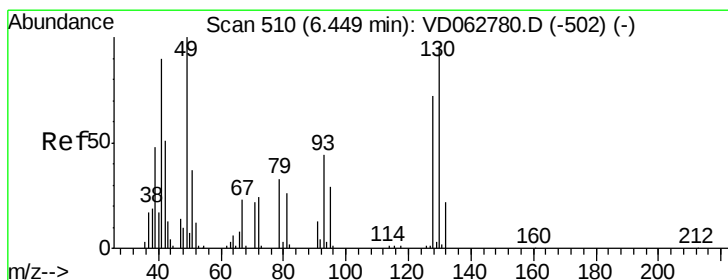
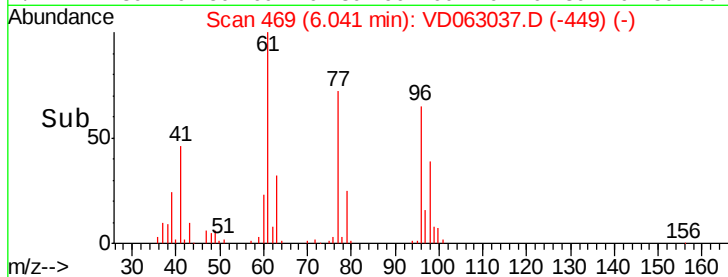
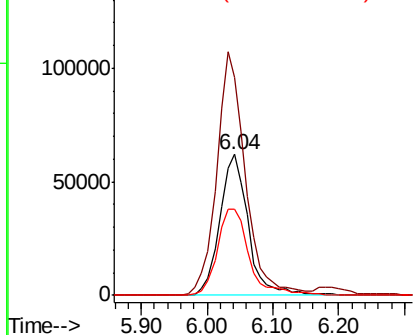
cis-1,2-Dichloroethene
 Concen: 24.707 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBSD01

Tot Ion	96	Resp	187703
Ion	Ratio	Lower	Upper
96	100		
61	154.5	0.0	316.0
98	61.0	0.0	138.4



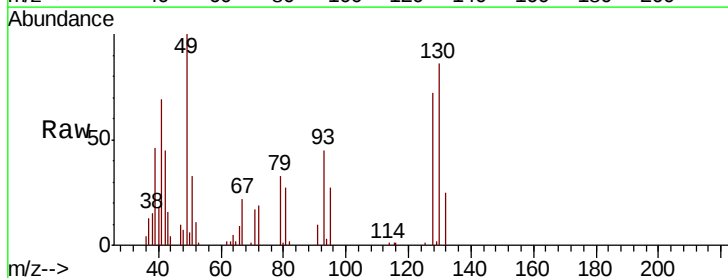
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



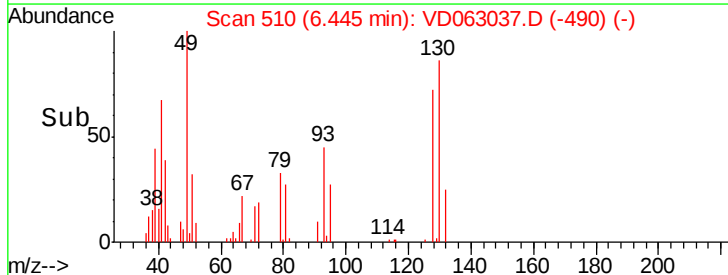
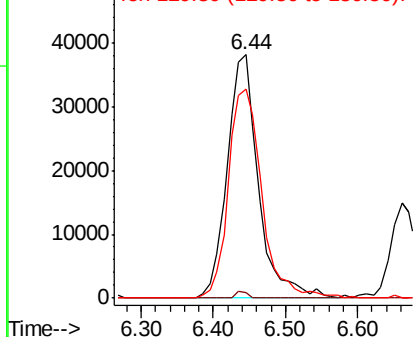
#28

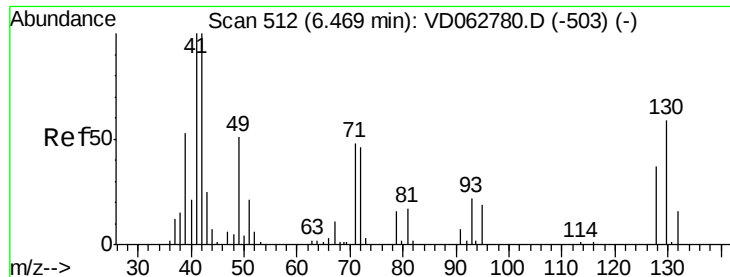
Bromochloromethane
 Concen: 24.787 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Tgt Ion	49	Resp	115239
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.6
130	85.7	76.6	114.8



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





#29

Tetrahydrofuran

Concen: 116.795 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

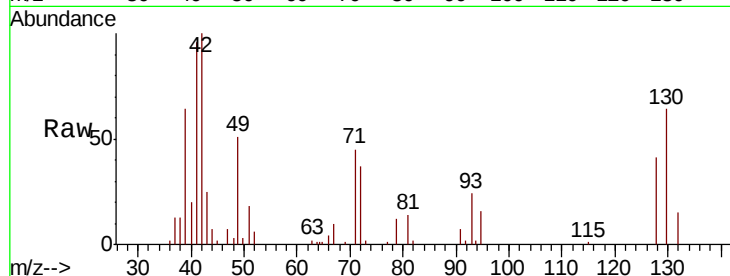
Tot Ion: 42 Resp: 95509

Ion Ratio Lower Upper

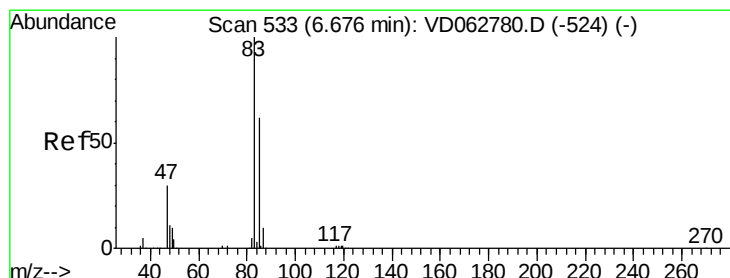
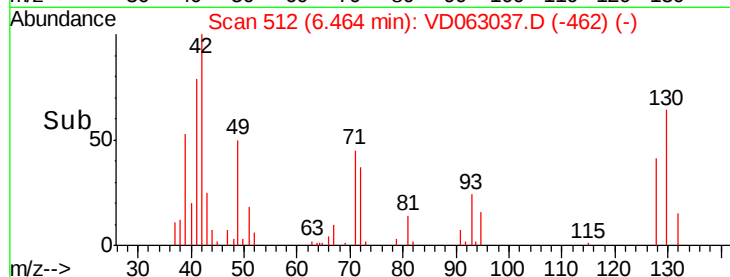
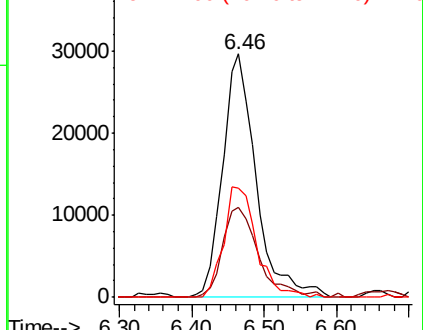
42 100

72 39.7 35.0 52.6

71 45.0 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: 23.273 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD063037.D

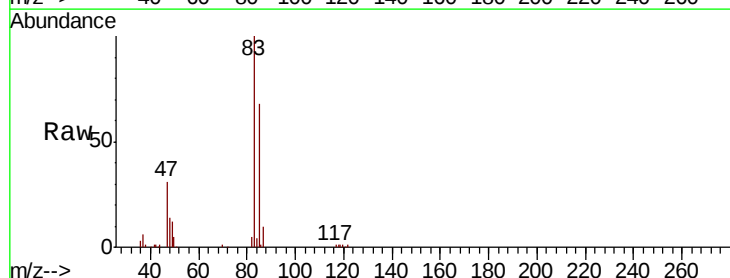
Acq: 8 Jul 2019 15:37

Tgt Ion: 83 Resp: 373609

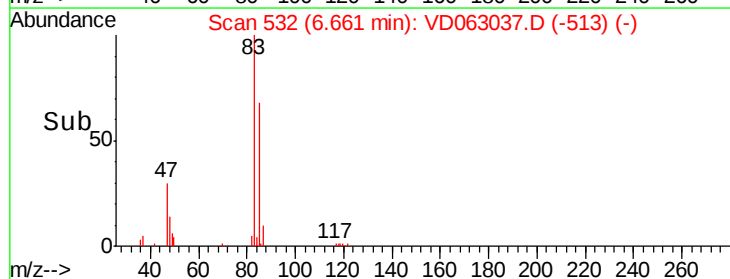
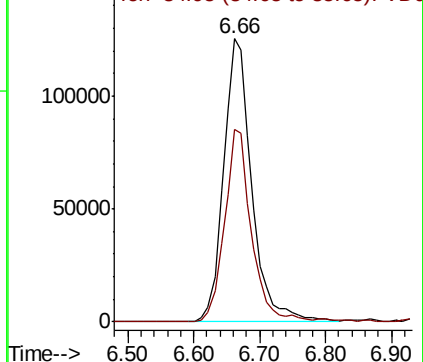
Ion Ratio Lower Upper

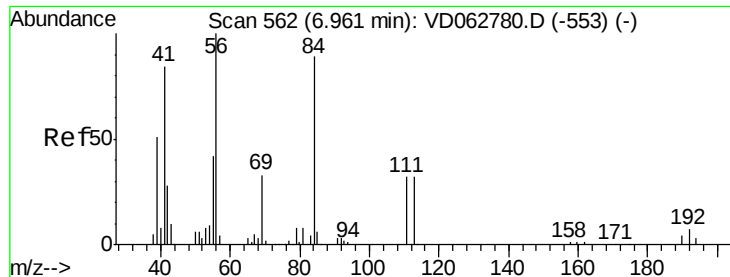
83 100

85 67.9 49.8 74.6



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

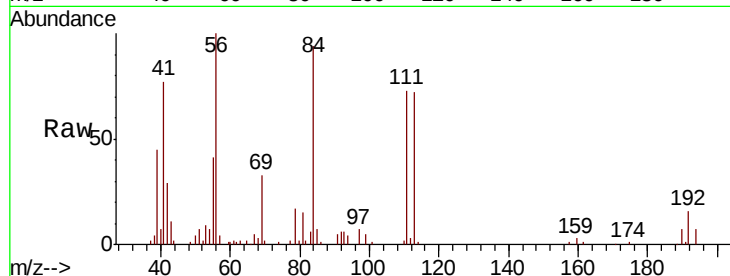




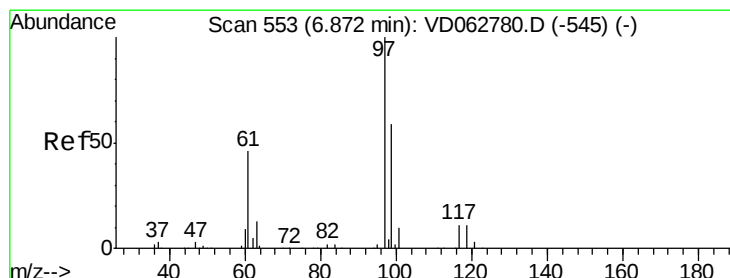
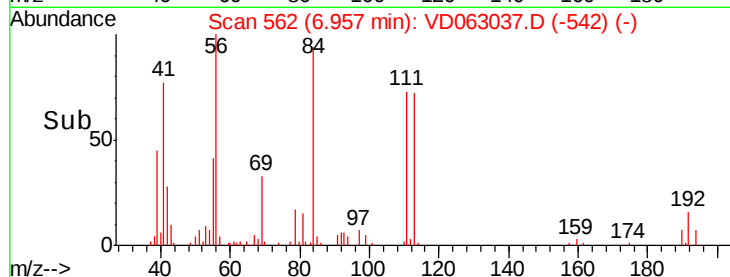
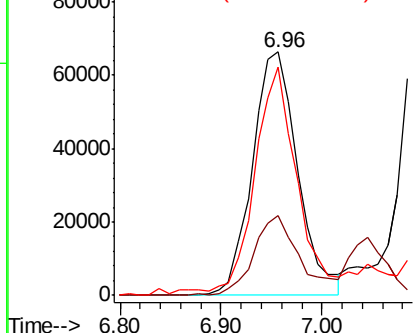
#31
Cyclohexane
Concen: 23.918 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion: 56 Resp: 207559
Ion Ratio Lower Upper
56 100
69 32.9 26.6 39.8
84 93.5 75.5 113.3

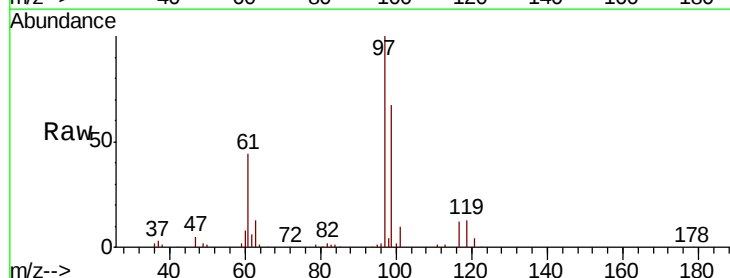


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

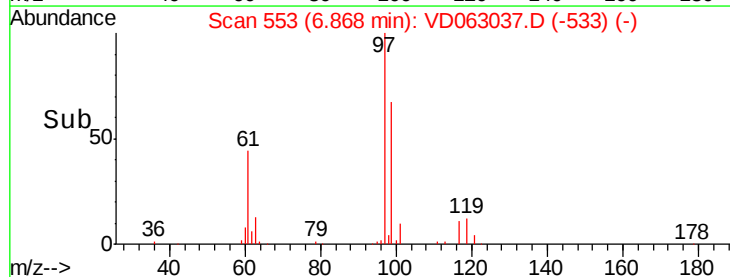
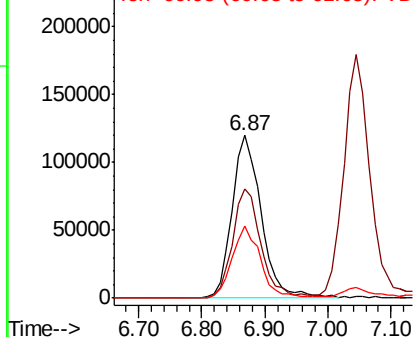


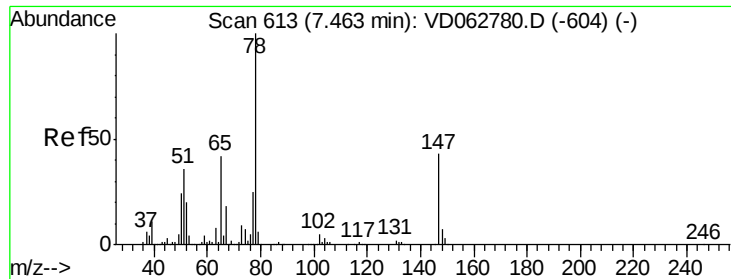
#32
1,1,1-Trichloroethane
Concen: 22.817 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion: 97 Resp: 381518
Ion Ratio Lower Upper
97 100
99 67.1 47.4 71.2
61 44.3 37.2 55.8



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





#33

1,2-Dichloroethane-d4

Concen: 51.591 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

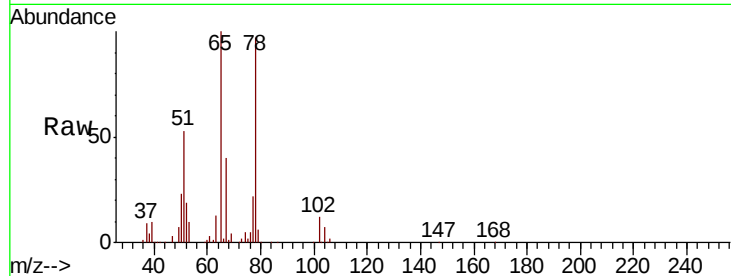
VD0708SBSD01

Tot Ion: 65 Resp: 476757

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

7.45

200000

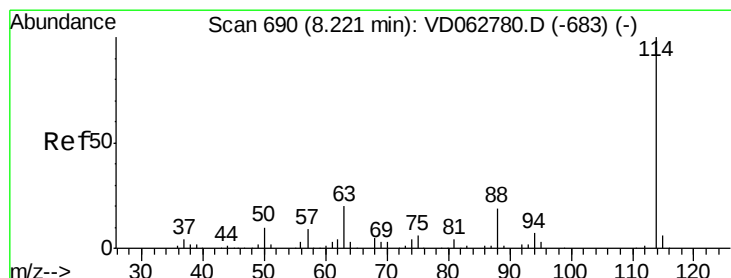
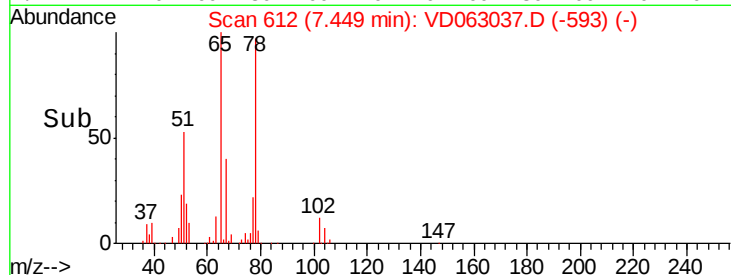
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

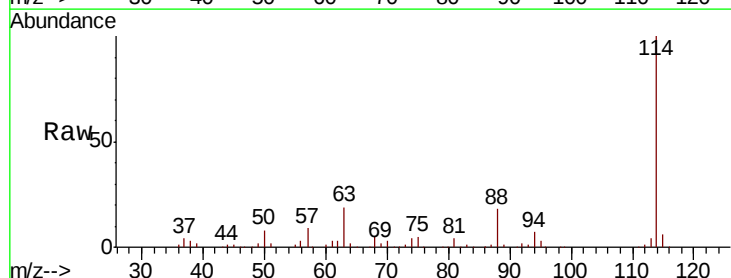
Tgt Ion: 114 Resp: 1209746

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 18.4 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

8.22

600000

500000

400000

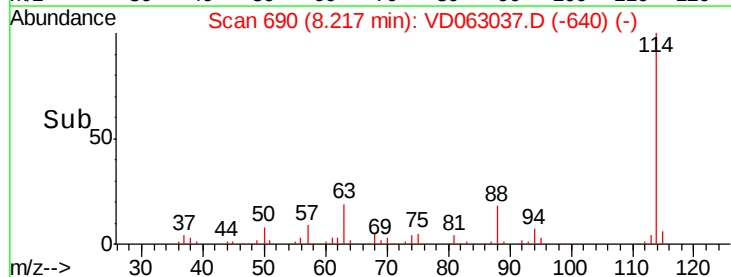
300000

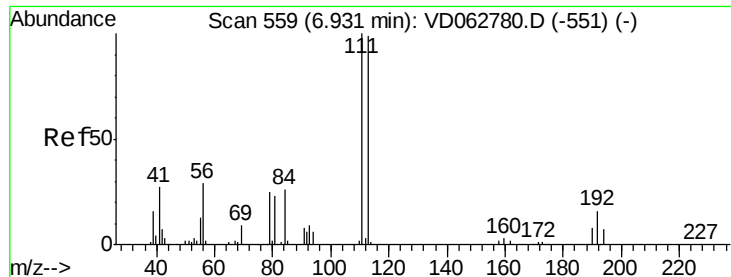
200000

100000

0

Time--> 8.10 8.20 8.30 8.40 8.50





#35

Dibromofluoromethane

Concen: 51.955 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

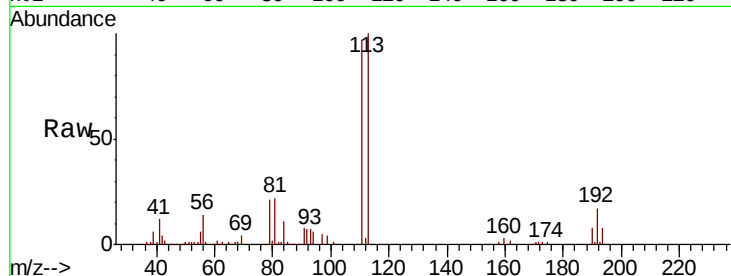
Tot Ion:113 Resp: 529973

Ion Ratio Lower Upper

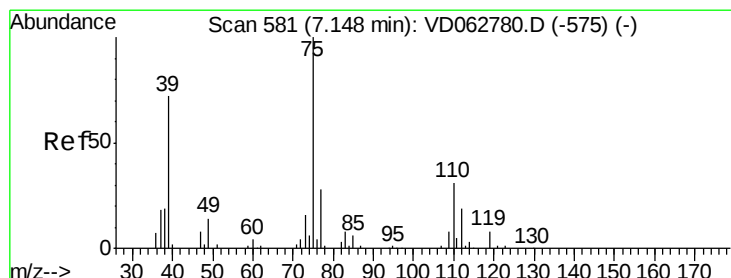
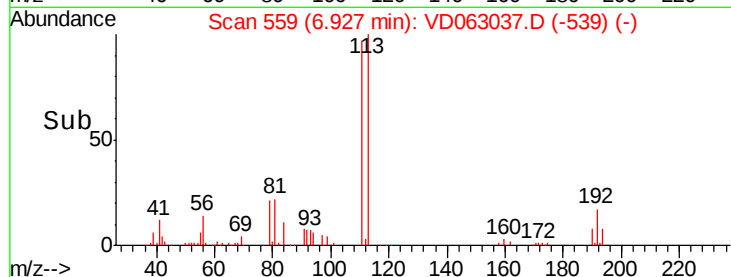
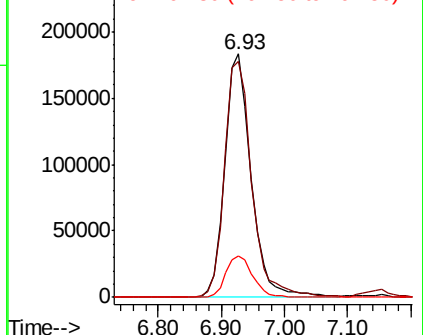
113 100

111 97.0 81.2 121.8

192 16.9 12.9 19.3



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.750 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

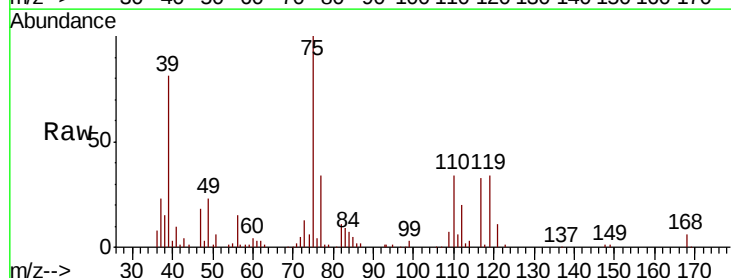
Tgt Ion: 75 Resp: 249075

Ion Ratio Lower Upper

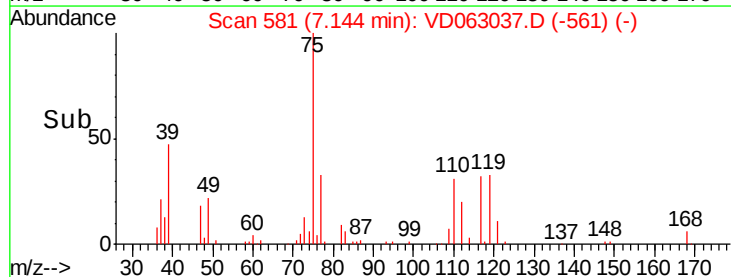
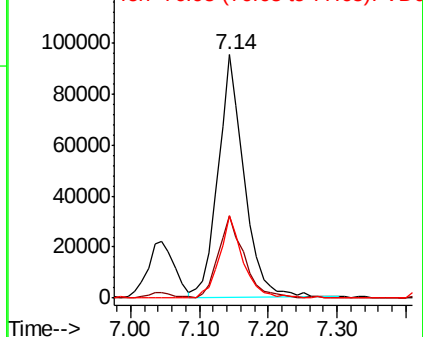
75 100

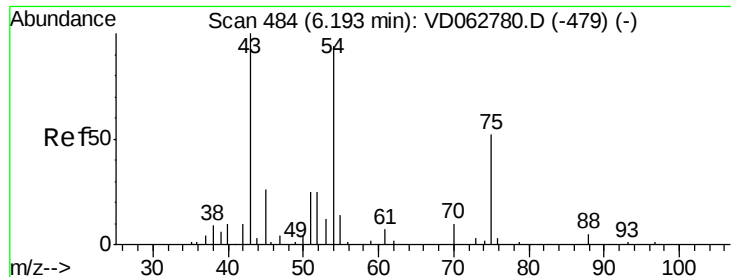
110 33.7 15.0 45.1

77 33.9 22.2 33.2#



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

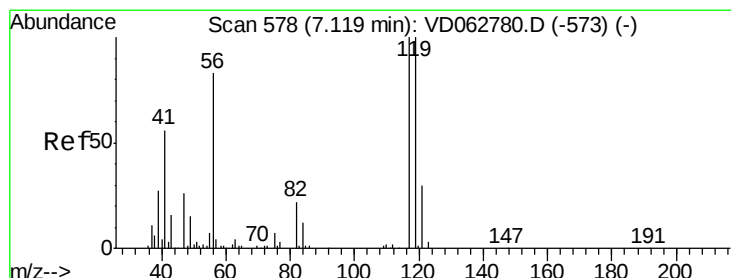
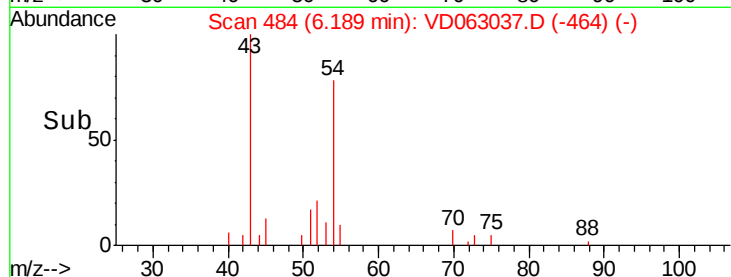
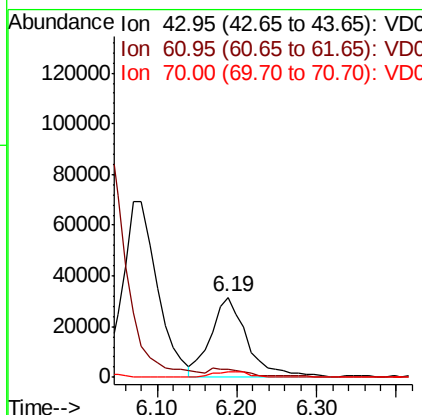
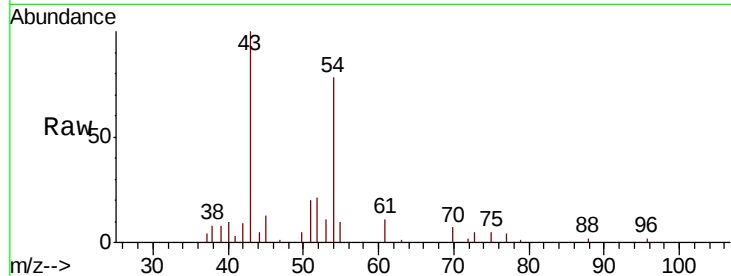




#37
Ethyl Acetate
Concen: 19.487 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

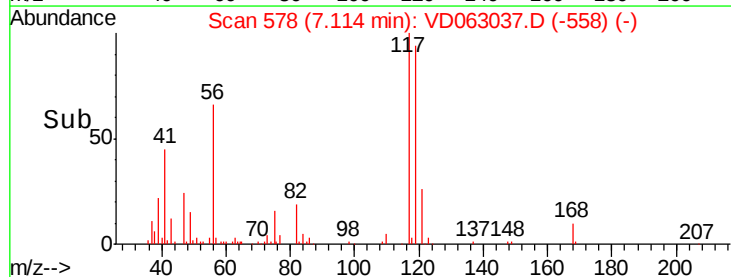
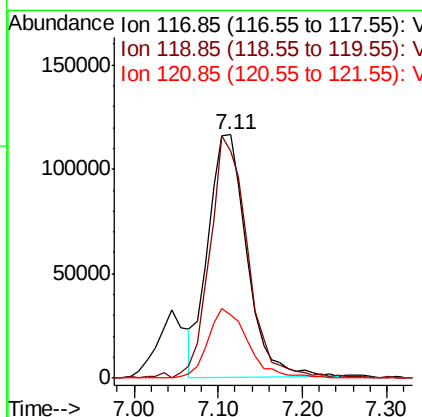
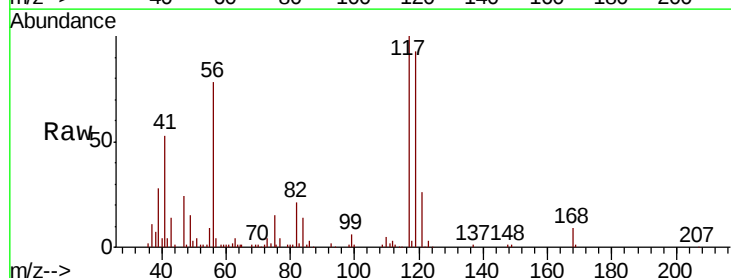
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBSD01

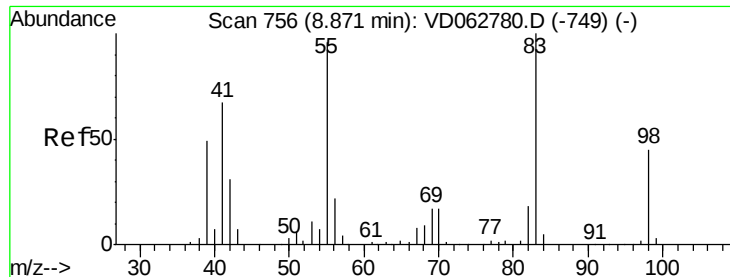
Tot Ion: 43 Resp: 96979
Ion Ratio Lower Upper
43 100
61 10.7 11.6 17.4#
70 6.9 6.4 9.6



#38
Carbon Tetrachloride
Concen: 21.507 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion: 117 Resp: 370427
Ion Ratio Lower Upper
117 100
119 93.4 75.4 113.2
121 26.1 22.3 33.5

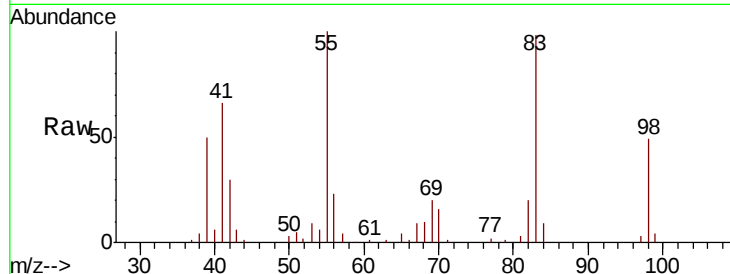




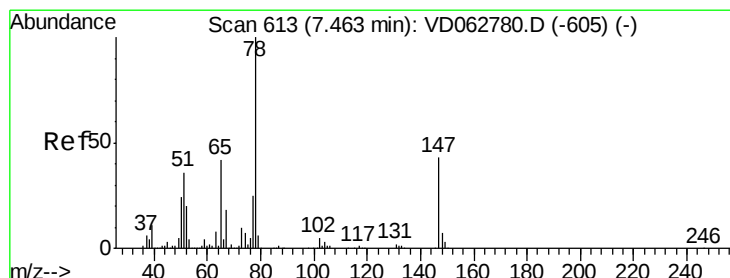
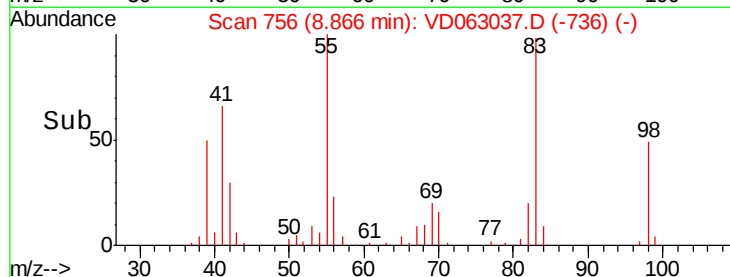
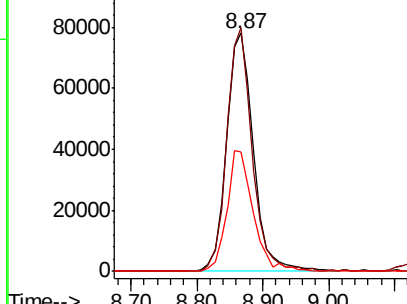
#39
Methvlcvclohexane
Concen: 22.016 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion: 83 Resp: 221936
Ion Ratio Lower Upper
83 100
55 102.3 76.6 115.0
98 50.2 35.7 53.5

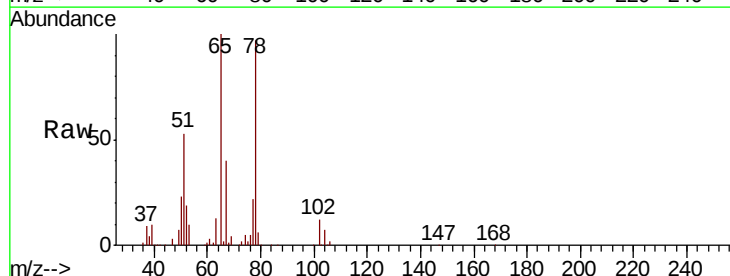


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

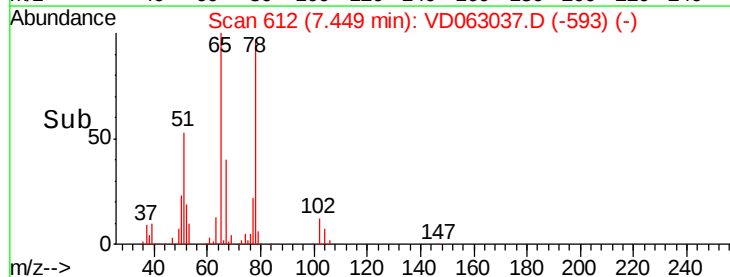
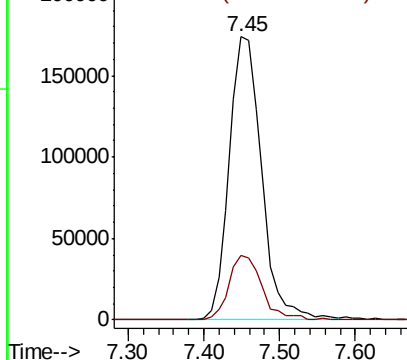


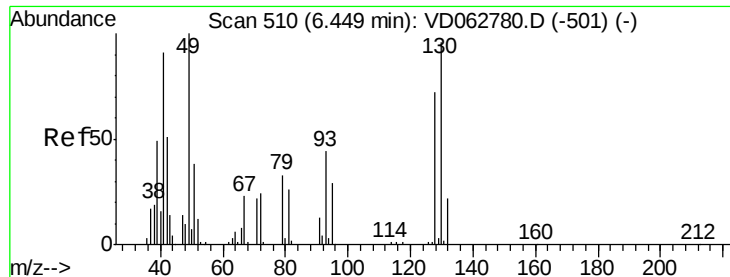
#40
Benzene
Concen: 22.389 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion: 78 Resp: 514672
Ion Ratio Lower Upper
78 100
77 22.7 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

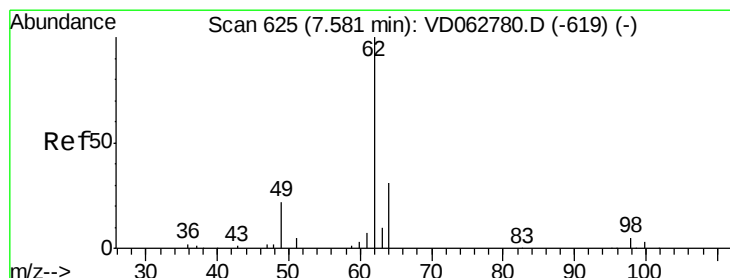
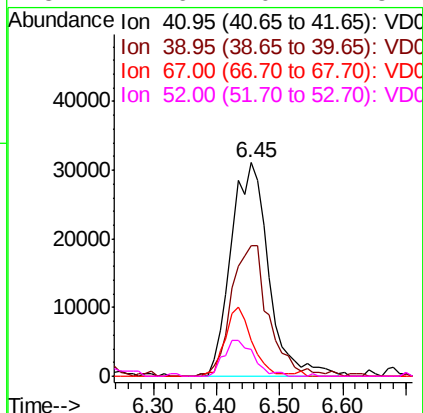
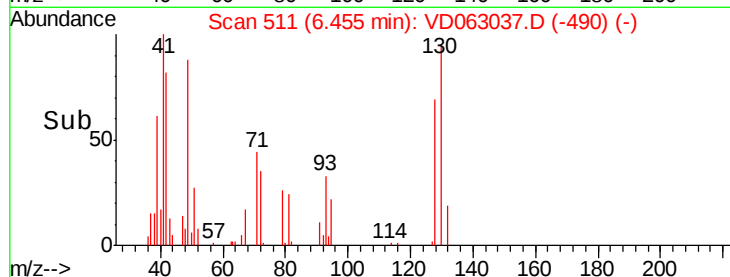
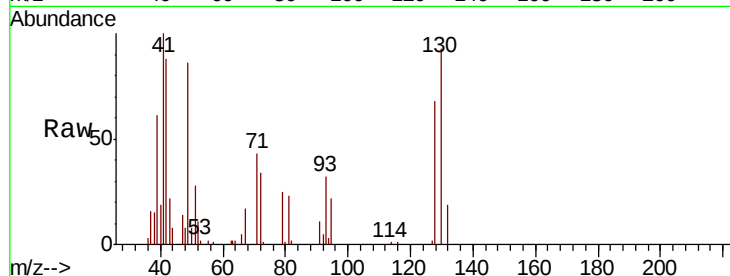




#41
Methacrylonitrile
Concen: 21.276 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

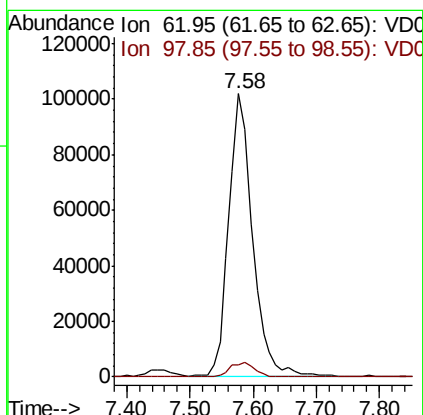
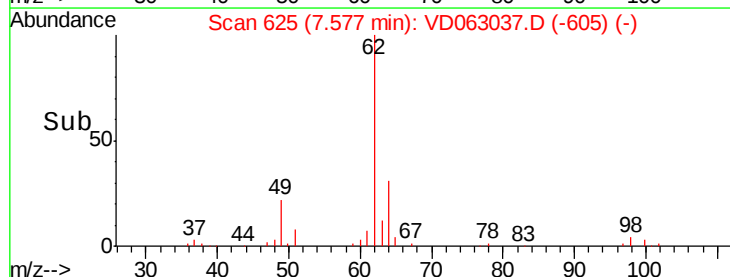
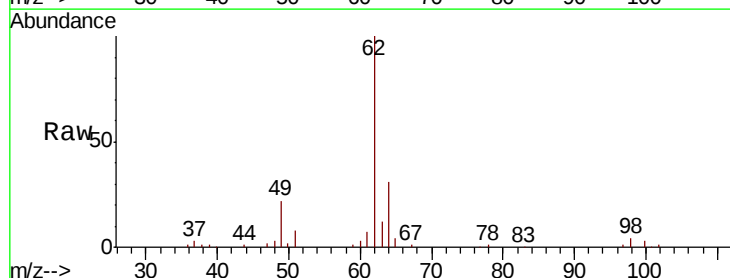
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

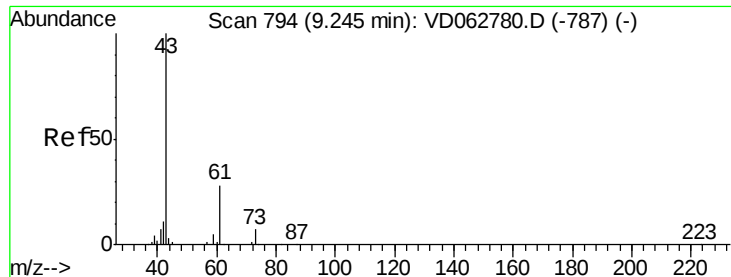
Tot Ion: 41 Resp: 128494
Ion Ratio Lower Upper
41 100
39 61.2 43.2 64.8
67 16.6 19.9 29.9#
52 12.6 10.2 15.4



#42
1,2-Dichloroethane
Concen: 21.395 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion: 62 Resp: 268305
Ion Ratio Lower Upper
62 100
98 4.3 0.0 10.0

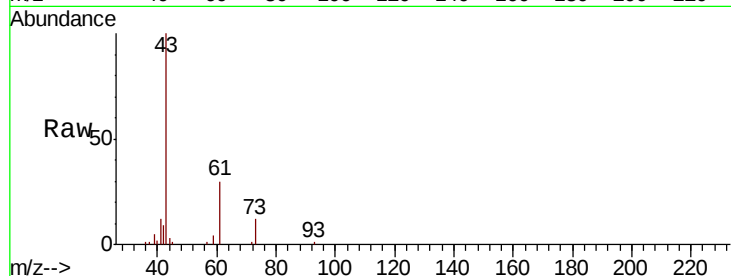




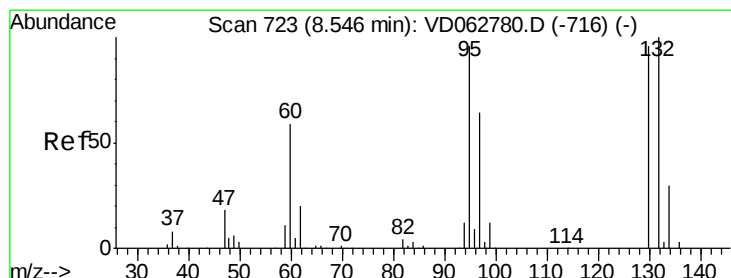
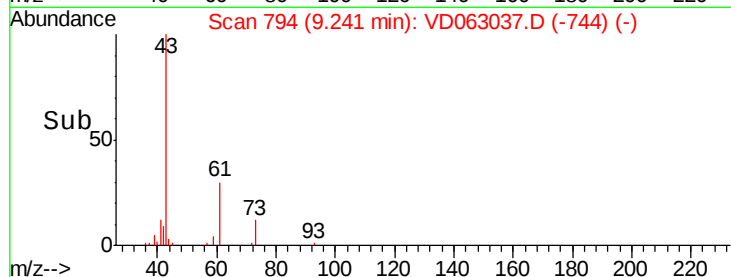
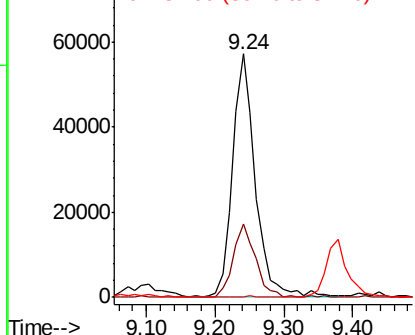
#43
Isopropyl Acetate
Concen: 21.779 ug/l
RT: 9.24 min Scan# 794
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBSD01

Tot Ion: 43 Resp: 130761
Ion Ratio Lower Upper
43 100
61 29.9 22.4 33.6
87 0.0 0.3 0.5#

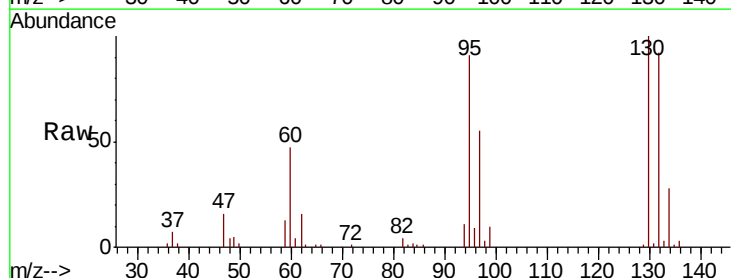


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

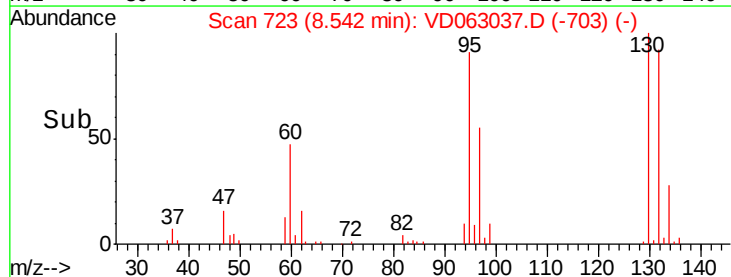
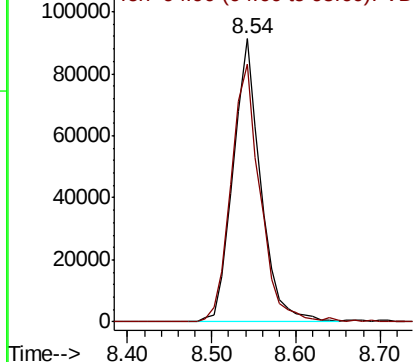


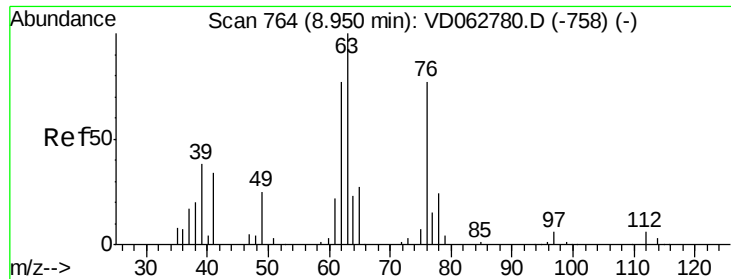
#44
Trichloroethene
Concen: 23.154 ug/l
RT: 8.54 min Scan# 723
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion:130 Resp: 208667
Ion Ratio Lower Upper
130 100
95 91.1 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: 21.929 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

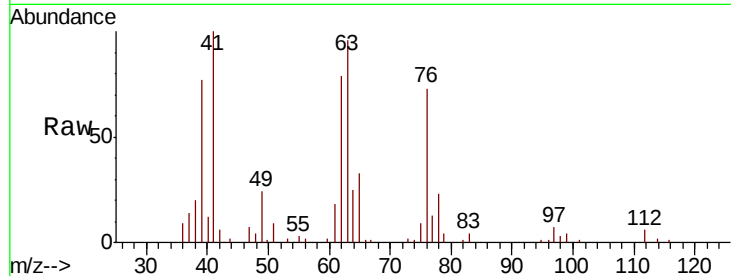
VD0708SBS01

Tot Ion: 63 Resp: 125345

Ion Ratio Lower Upper

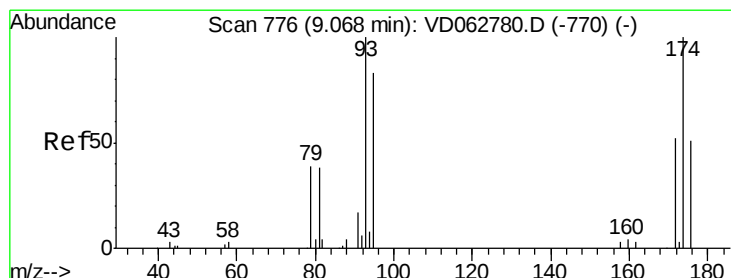
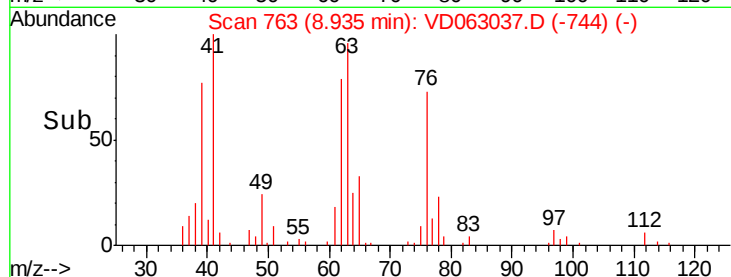
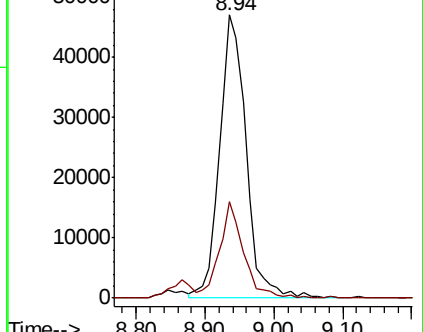
63 100

65 34.3 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: 22.159 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

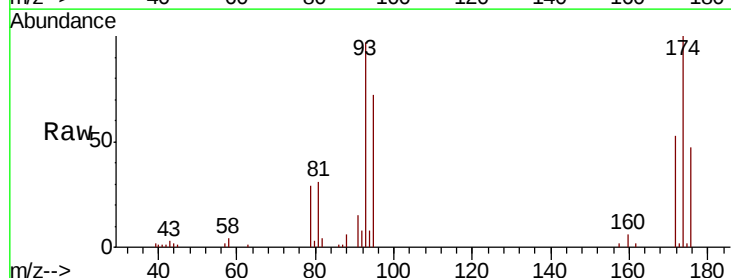
Tgt Ion: 93 Resp: 108806

Ion Ratio Lower Upper

93 100

95 74.2 66.6 100.0

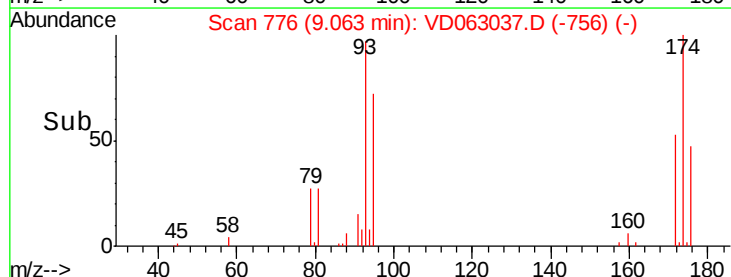
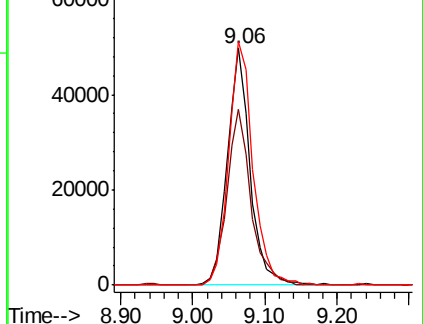
174 102.6 79.7 119.5

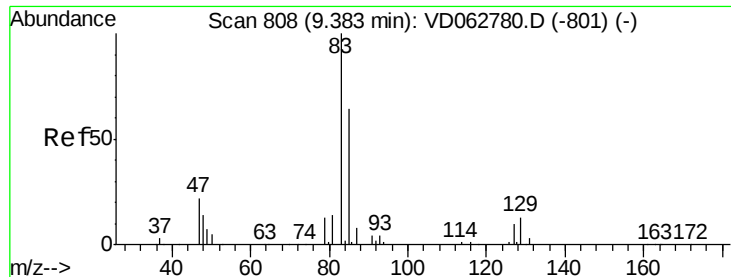


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 22.110 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

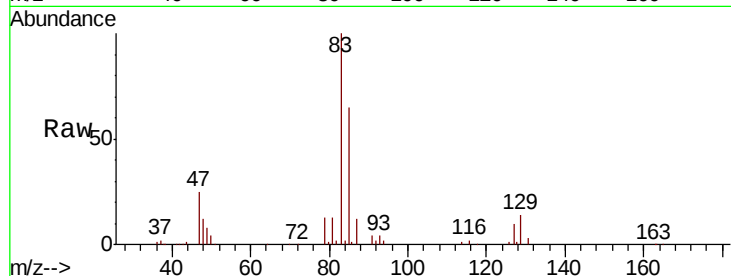
Tot Ion: 83 Resp: 281947

Ion Ratio Lower Upper

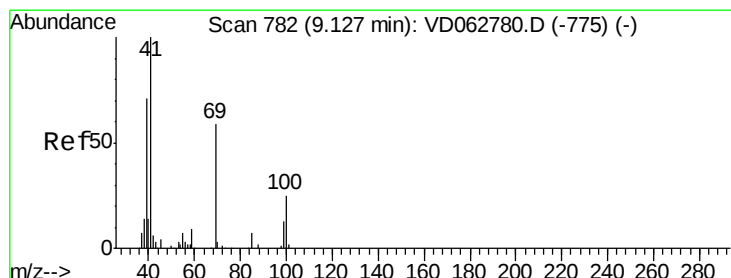
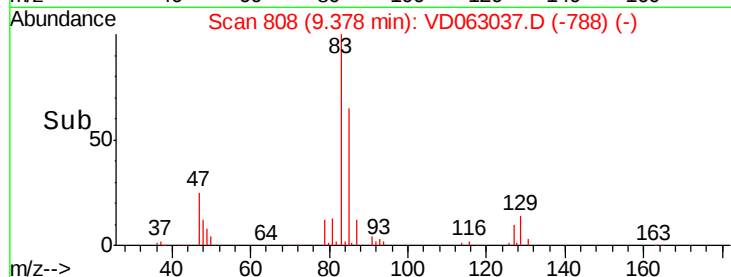
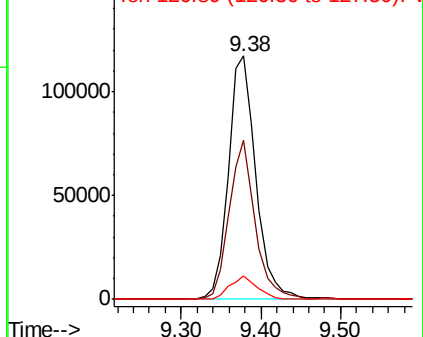
83 100

85 65.4 51.6 77.4

127 9.7 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: 22.114 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

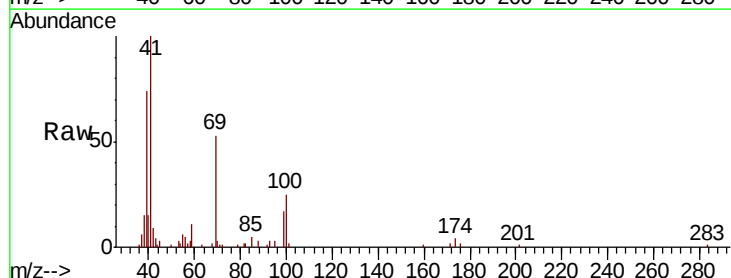
Tgt Ion: 41 Resp: 94351

Ion Ratio Lower Upper

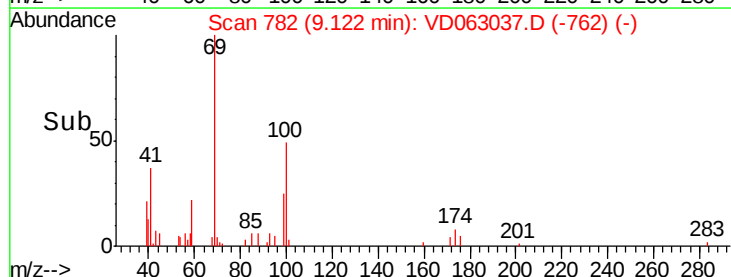
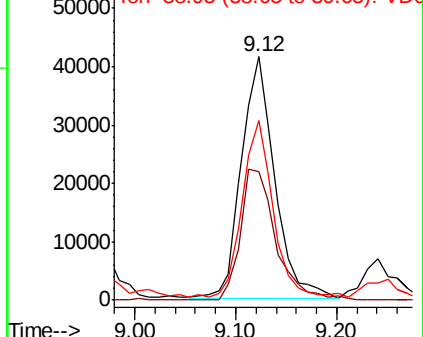
41 100

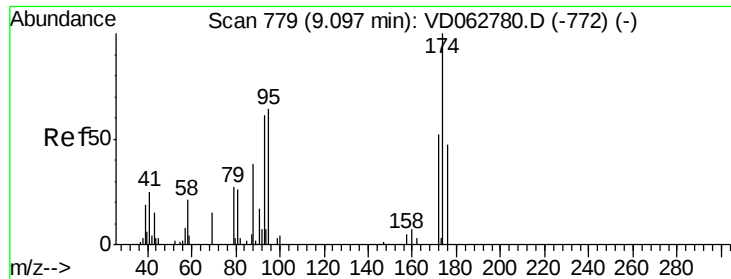
69 52.9 47.2 70.8

39 74.0 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

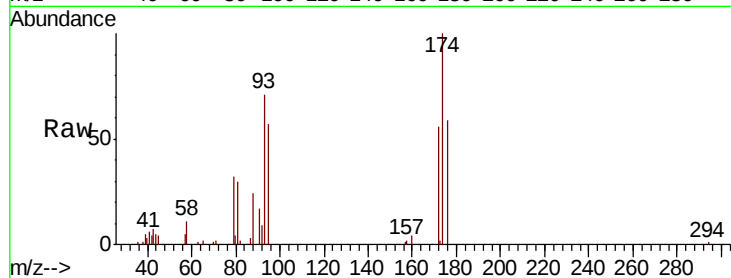




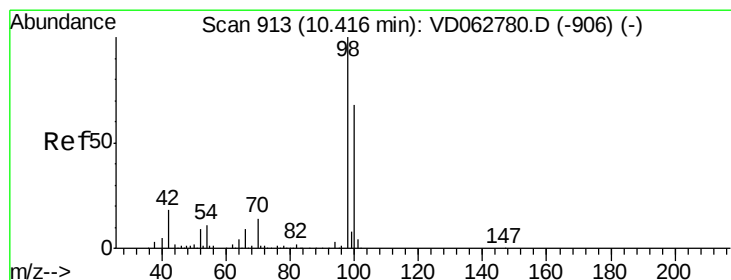
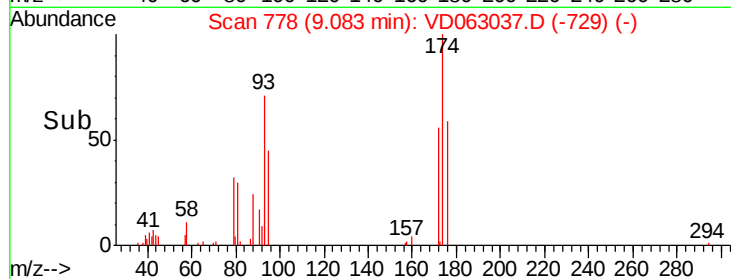
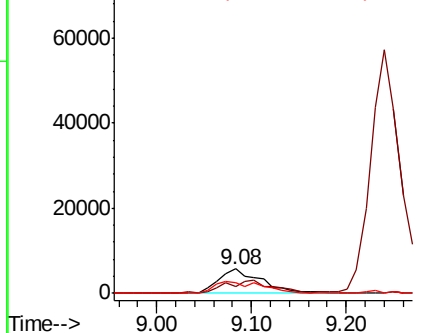
#49
1,4-Dioxane
Concen: 498.280 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion: 88 Resp: 17687
Ion Ratio Lower Upper
88 100
43 27.8 32.1 48.1#
58 44.2 44.1 66.1

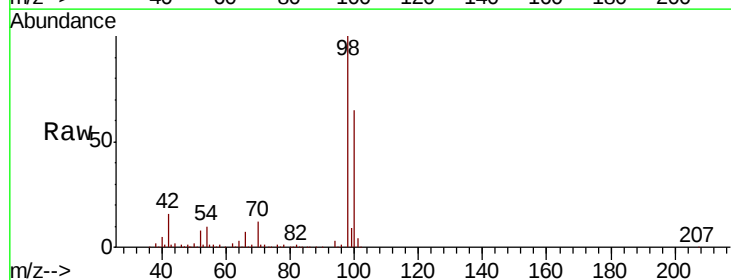


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

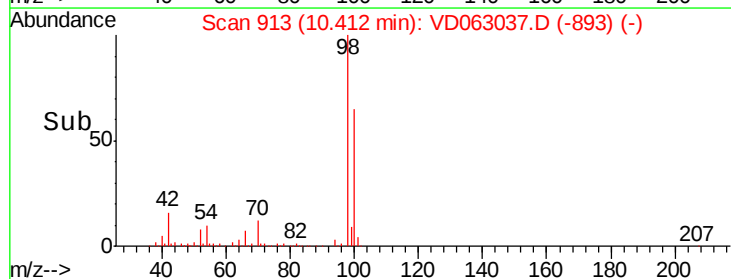
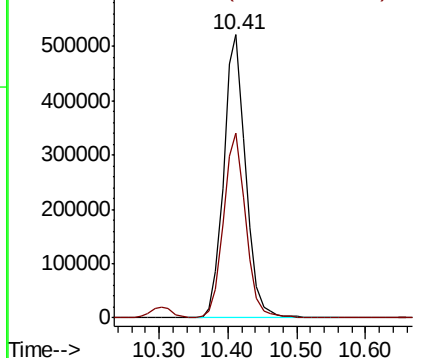


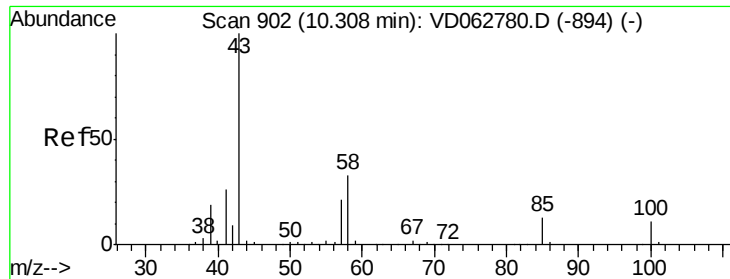
#50
Toluene-d8
Concen: 51.665 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion: 98 Resp: 1147021
Ion Ratio Lower Upper
98 100
100 65.1 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: 106.383 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

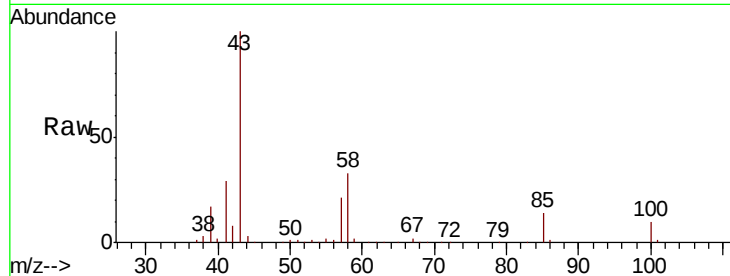
VD0708SBS01

Tot Ion: 43 Resp: 452841

Ion Ratio Lower Upper

43 100

58 33.1 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

200000

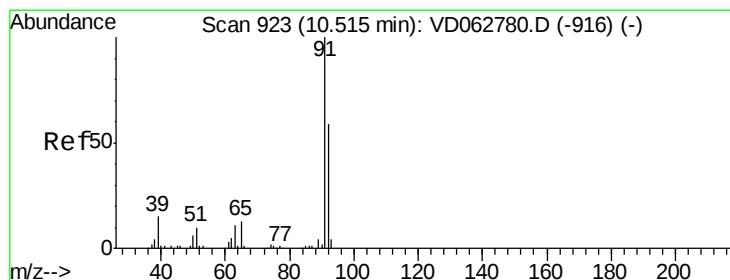
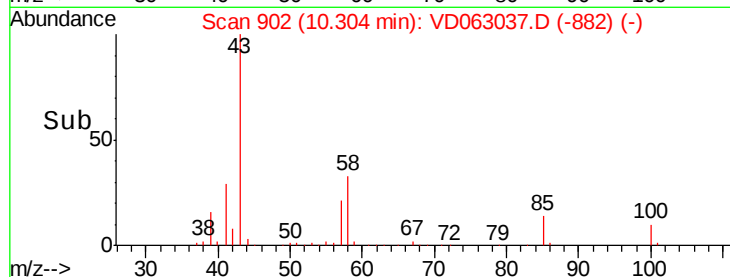
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.810 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD063037.D

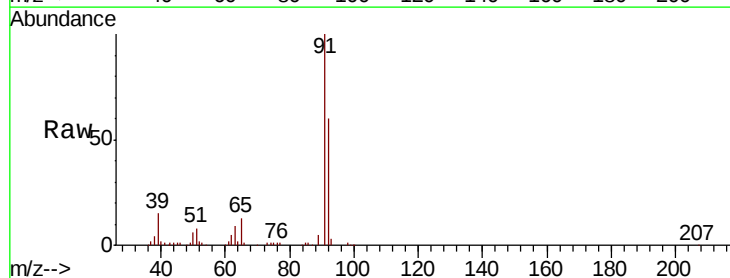
Acq: 8 Jul 2019 15:37

Tgt Ion: 92 Resp: 352461

Ion Ratio Lower Upper

92 100

91 165.8 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

300000

250000

200000

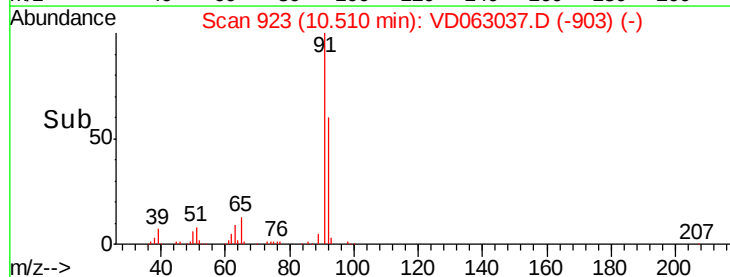
150000

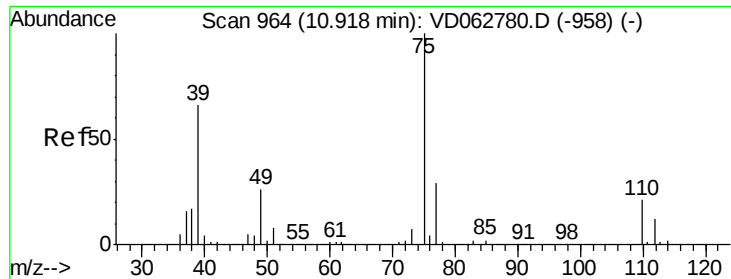
100000

50000

0

Time-->

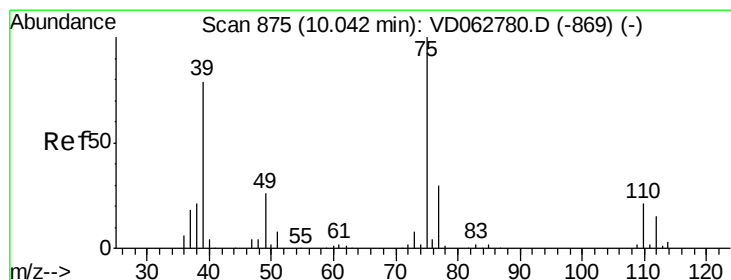
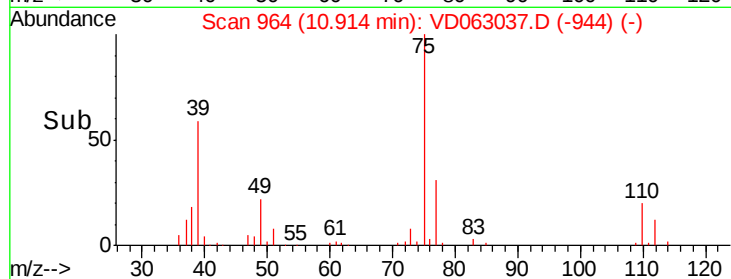
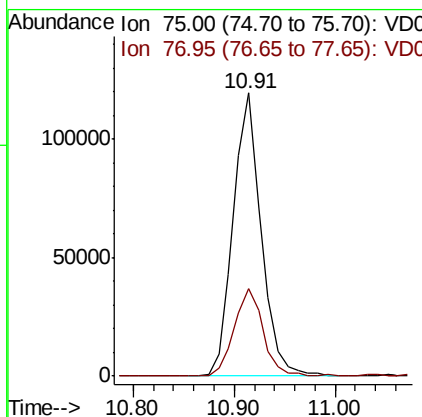
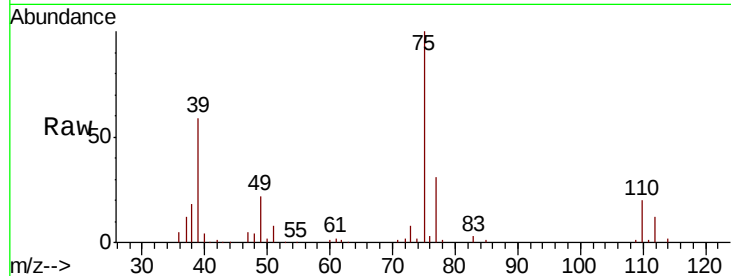




#53
 t-1,3-Dichloropropene
 Concen: 22.091 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

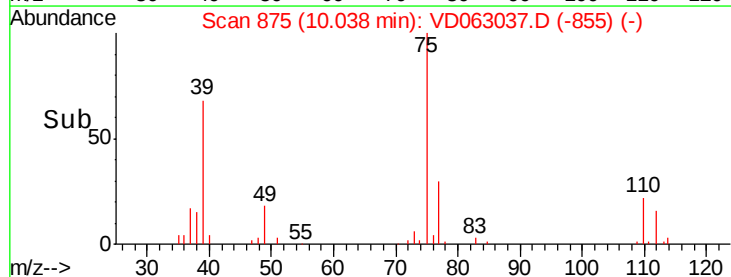
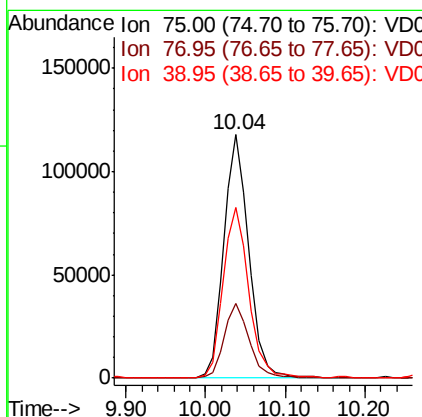
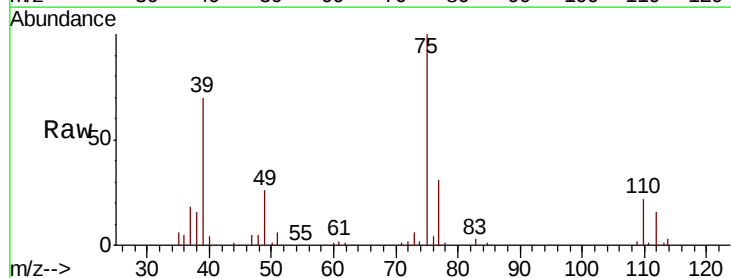
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

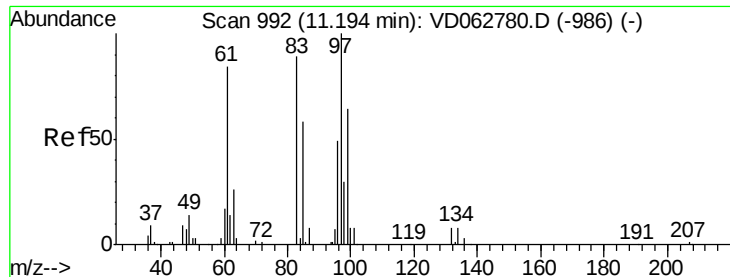
Tot Ion: 75 Resp: 230573
 Ion Ratio Lower Upper
 75 100
 77 30.7 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.917 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Tgt Ion: 75 Resp: 259989
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.2 36.2
 39 69.9 63.5 95.3

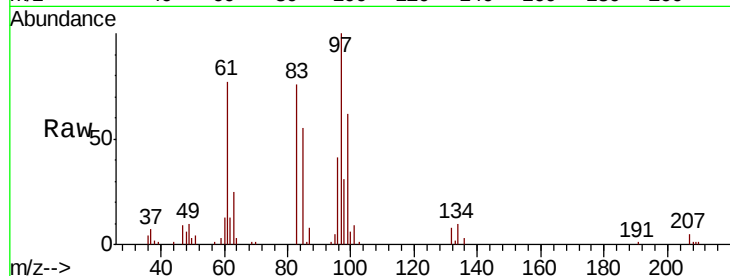




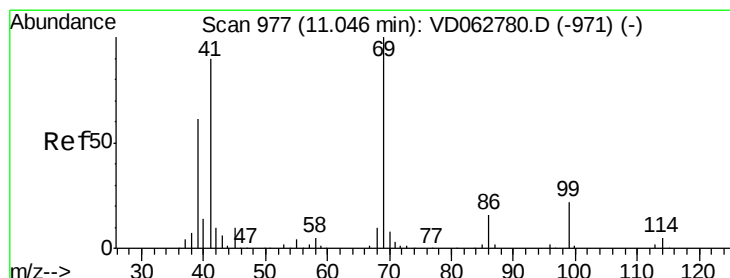
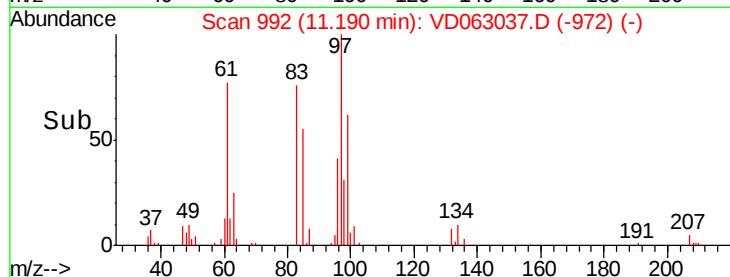
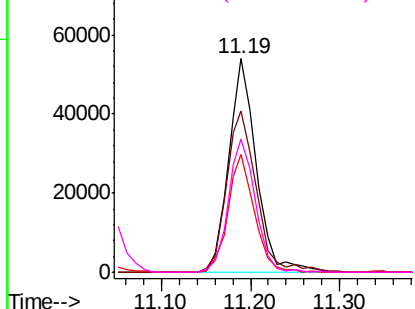
#55
 1,1,2-Trichloroethane
 Concen: 22.096 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBSD01

Tot Ion: 97 Resp: 117304
 Ion Ratio Lower Upper
 97 100
 83 75.6 71.0 106.4
 85 55.0 46.6 69.8
 99 62.1 51.4 77.0

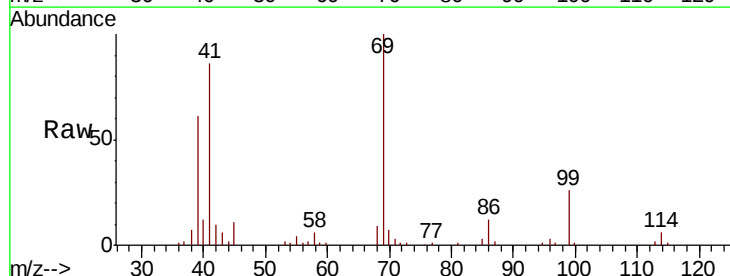


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

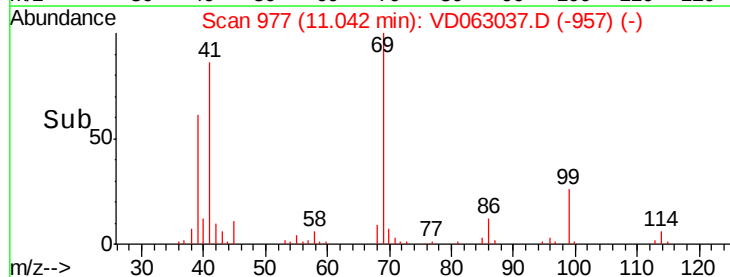
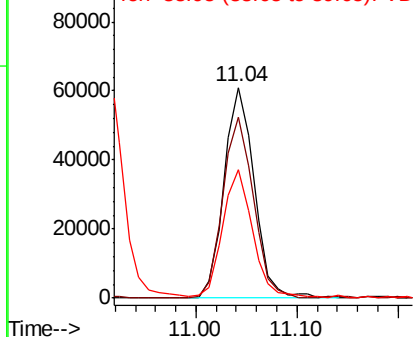


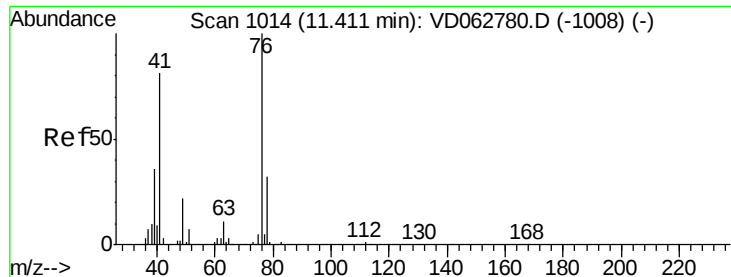
#56
 Ethyl methacrylate
 Concen: 22.310 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Tgt Ion: 69 Resp: 126575
 Ion Ratio Lower Upper
 69 100
 41 86.1 72.0 108.0
 39 60.8 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

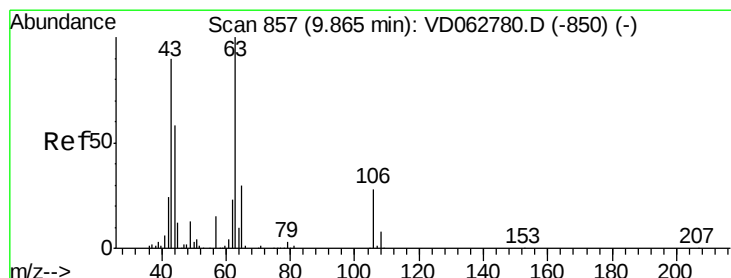
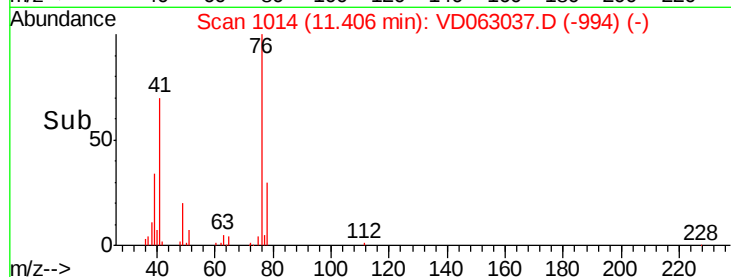
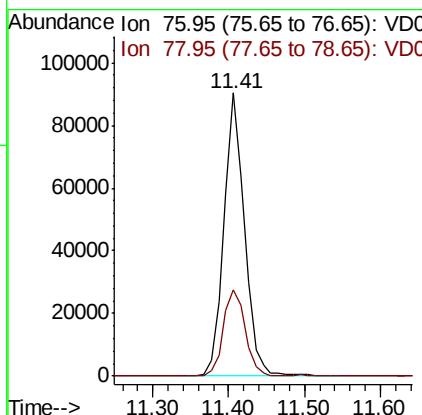
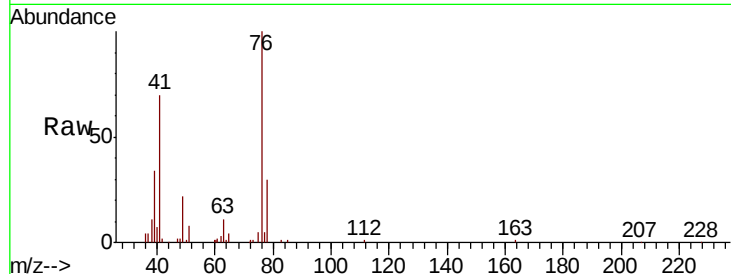




#57
 1,3-Dichloropropane
 Concen: 20.969 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

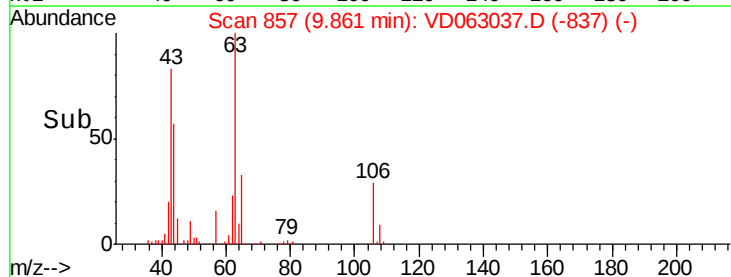
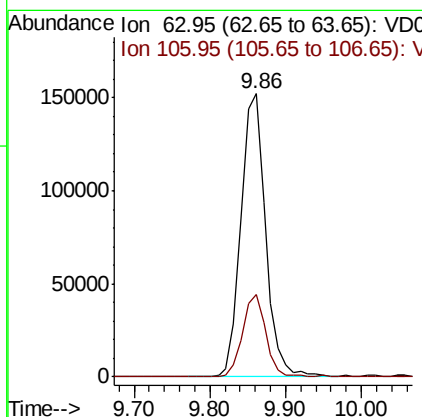
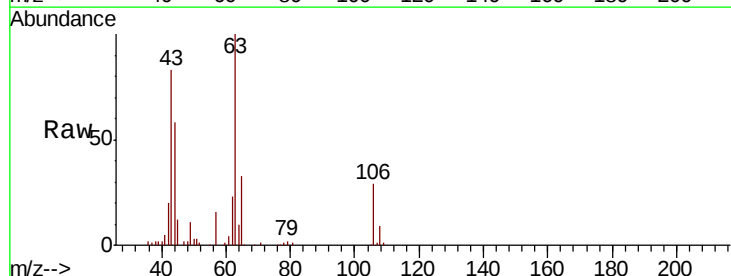
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBSD01

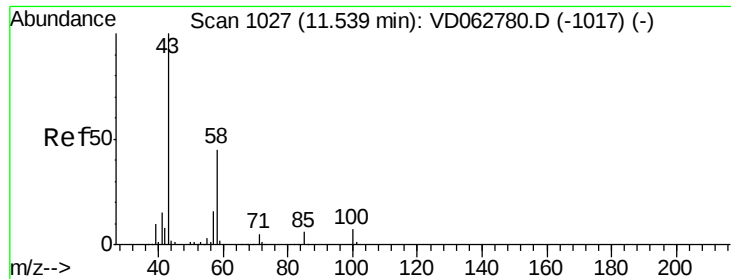
Tot Ion: 76 Resp: 170452
 Ion Ratio Lower Upper
 76 100
 78 30.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.565 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Tgt Ion: 63 Resp: 342428
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.1 33.1

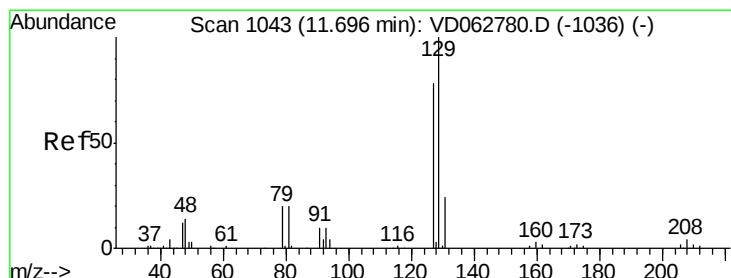
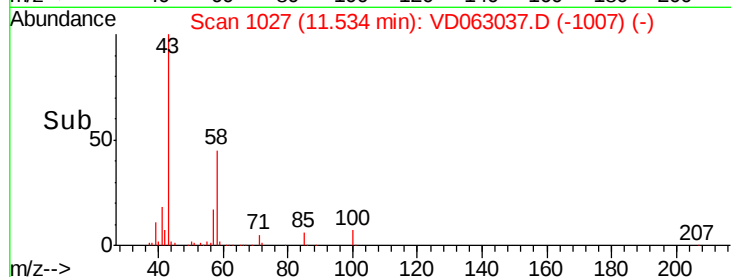
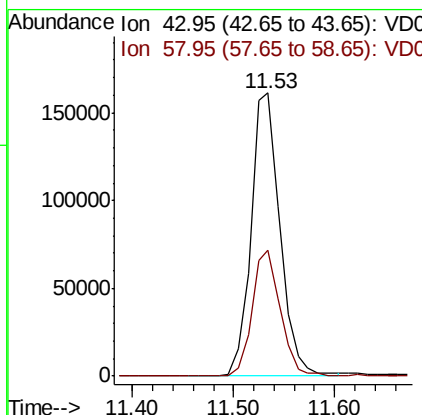
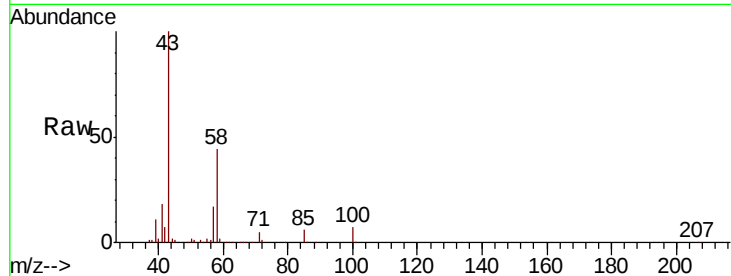




#59
2-Hexanone
Concen: 106.357 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

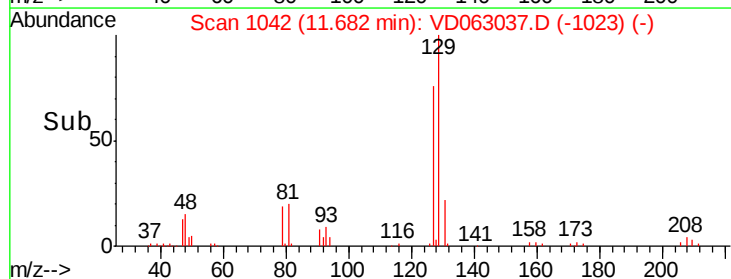
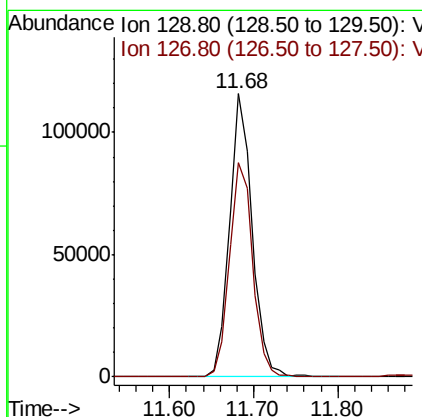
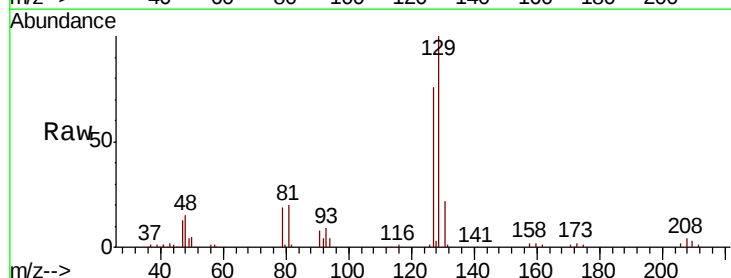
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBSD01

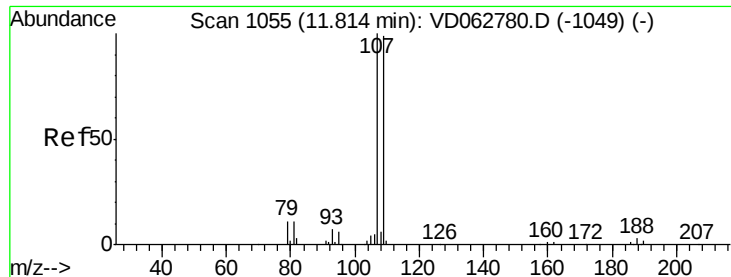
Tot Ion: 43 Resp: 322430
Ion Ratio Lower Upper
43 100
58 44.5 22.4 67.2



#60
Dibromochloromethane
Concen: 21.818 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion: 129 Resp: 215742
Ion Ratio Lower Upper
129 100
127 75.7 38.9 116.6

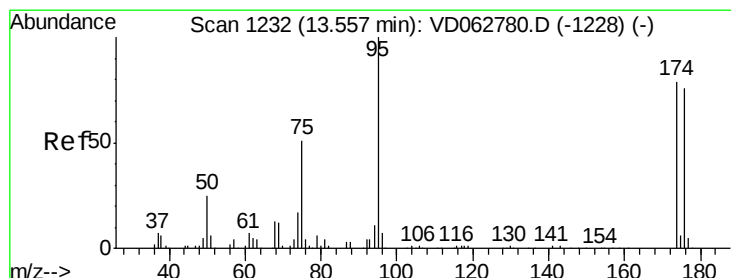
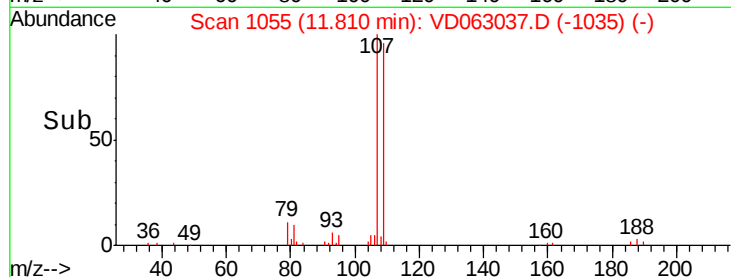
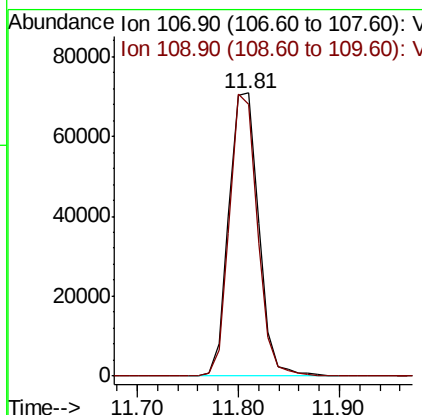
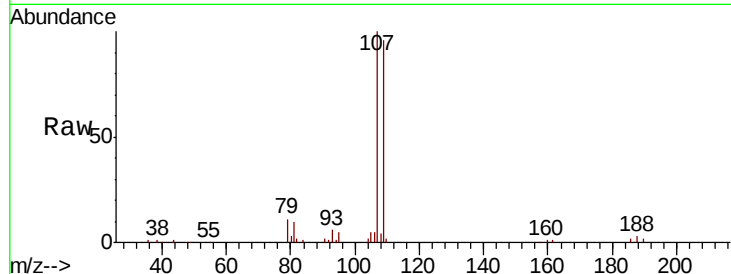




#61
 1,2-Dibromoethane
 Concen: 23.101 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

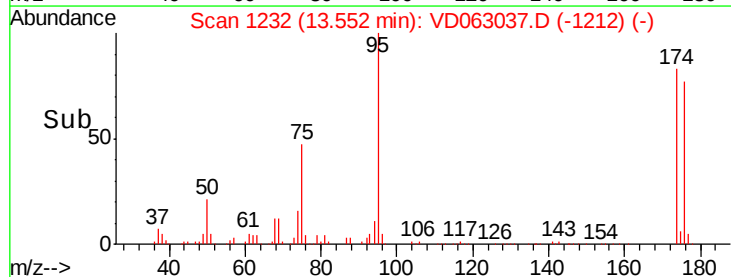
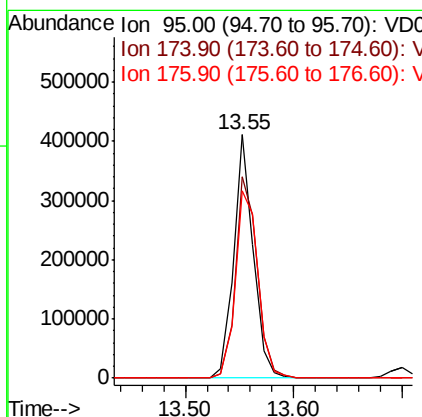
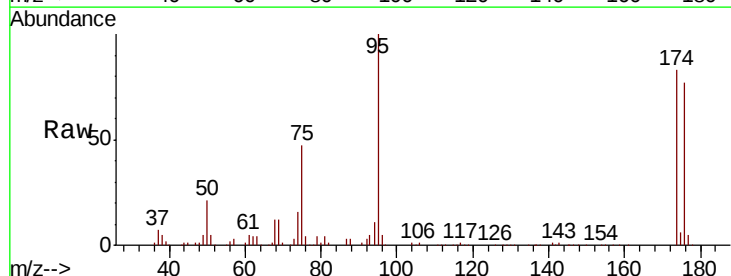
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBSD01

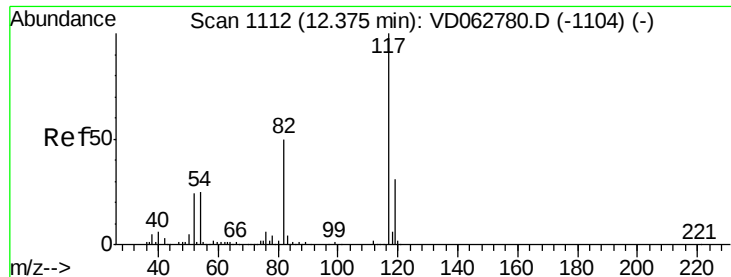
Tot Ion:107 Resp: 144842
 Ion Ratio Lower Upper
 107 100
 109 96.0 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 51.121 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Tgt Ion: 95 Resp: 516070
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 158.0
 176 77.0 0.0 151.6

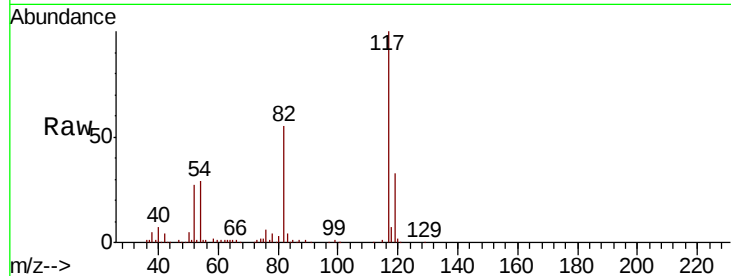




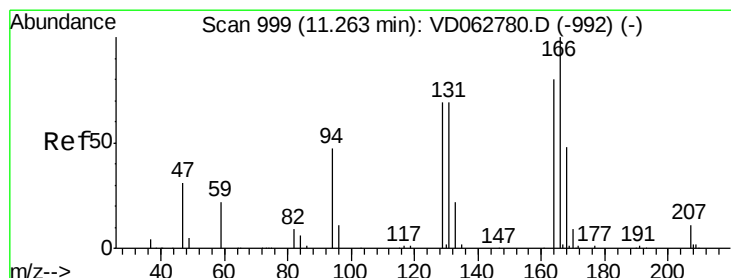
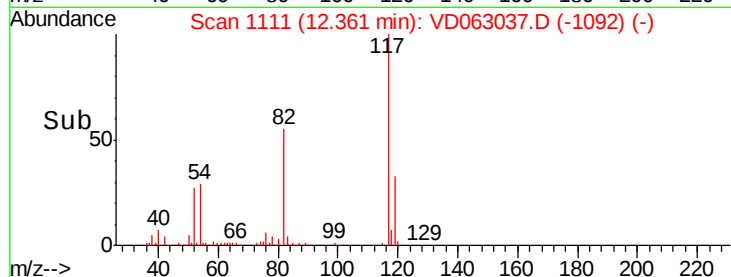
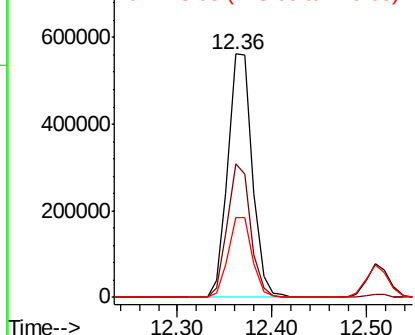
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBSD01

Tot Ion:117 Resp: 1015896
Ion Ratio Lower Upper
117 100
82 54.6 40.4 60.6
119 32.5 25.2 37.8

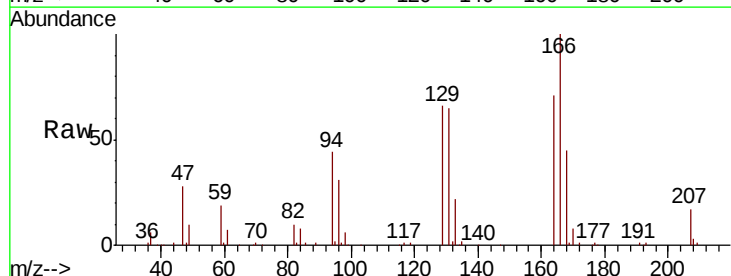


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

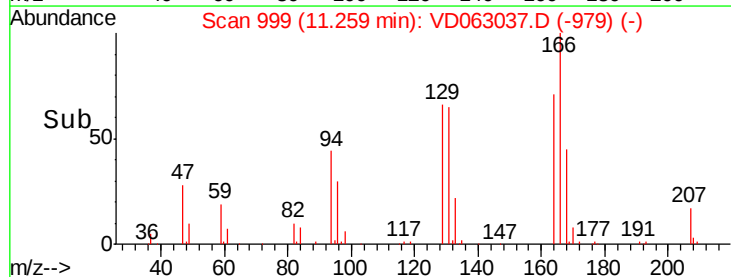
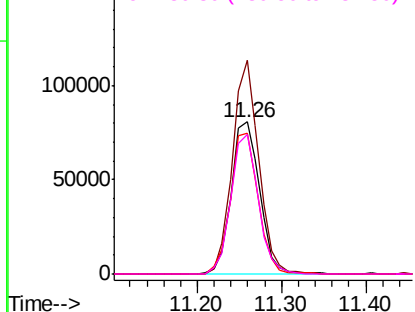


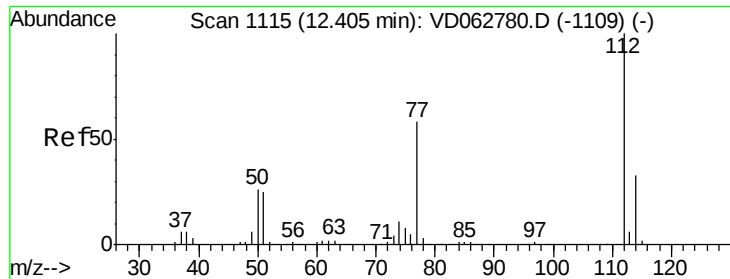
#64
Tetrachloroethene
Concen: 22.563 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion:164 Resp: 188655
Ion Ratio Lower Upper
164 100
166 140.4 100.6 150.8
129 92.2 69.4 104.0
131 91.6 69.3 103.9



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

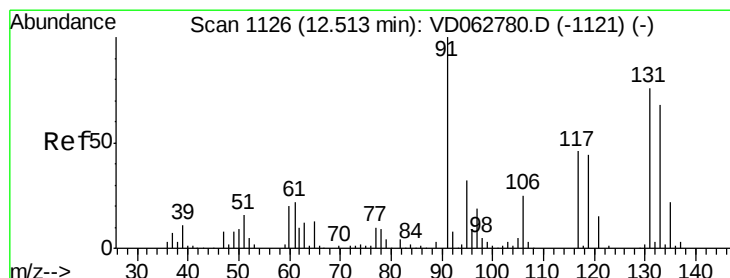
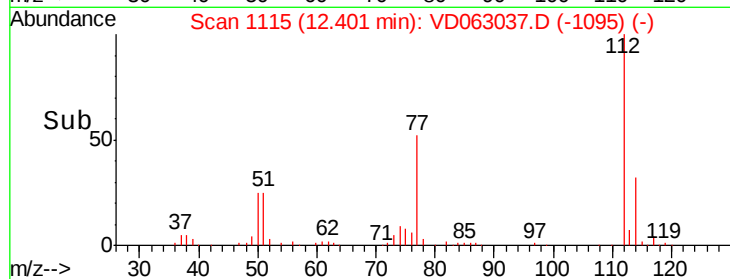
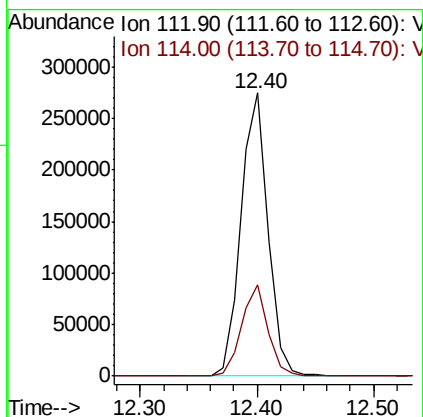
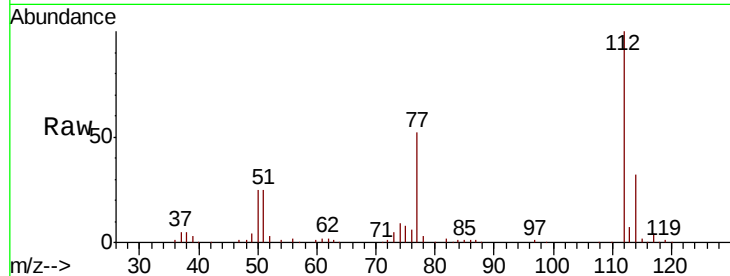




#65
Chlorobenzene
Concen: 23.315 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

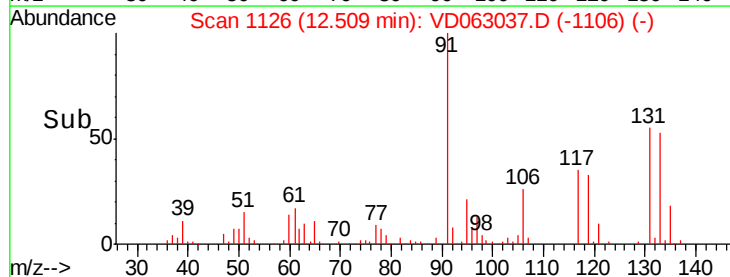
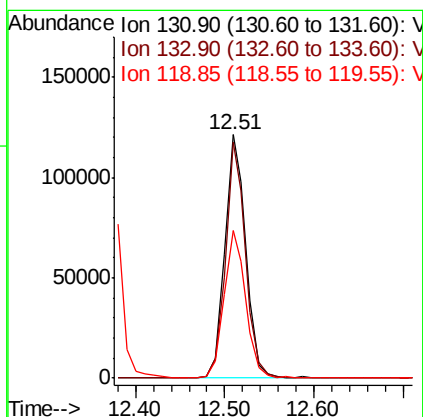
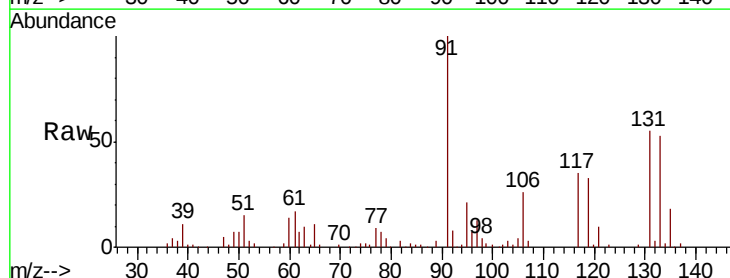
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBSD01

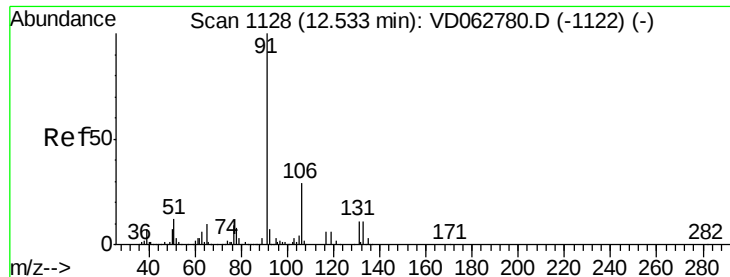
Tot Ion:112 Resp: 439577
Ion Ratio Lower Upper
112 100
114 32.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 22.914 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion:131 Resp: 202035
Ion Ratio Lower Upper
131 100
133 96.7 44.5 133.3
119 60.7 28.6 85.9

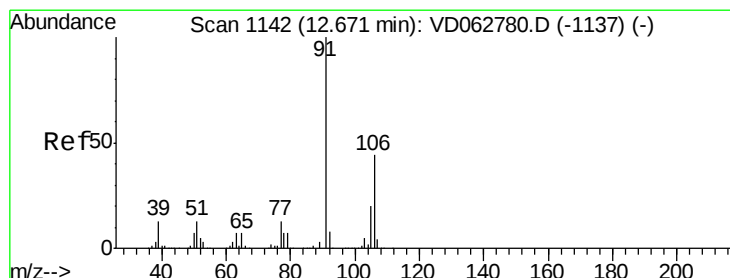
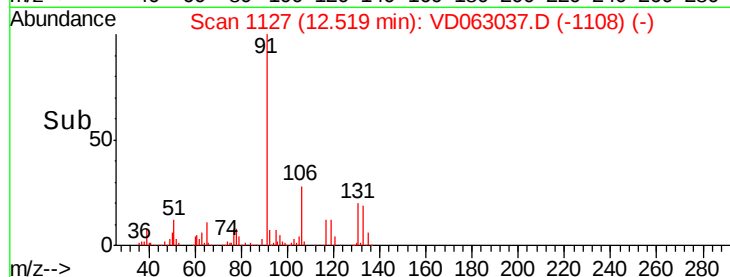
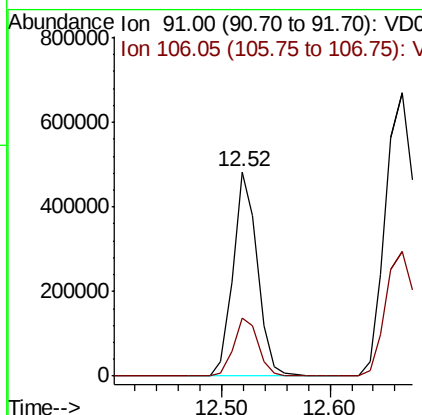
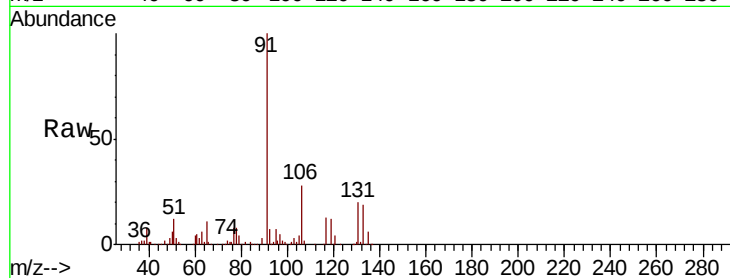




#67
Ethyl Benzene
Concen: 22.309 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

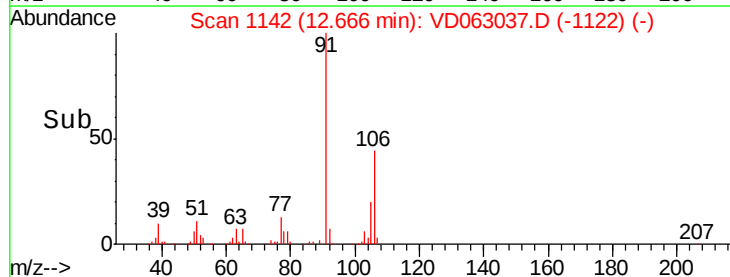
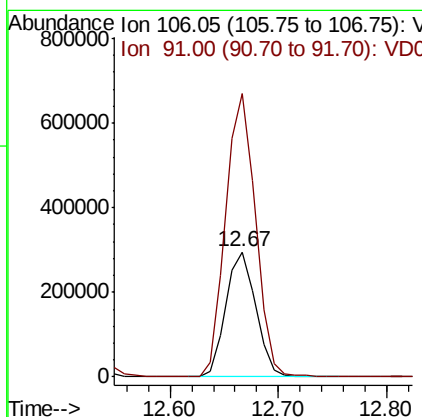
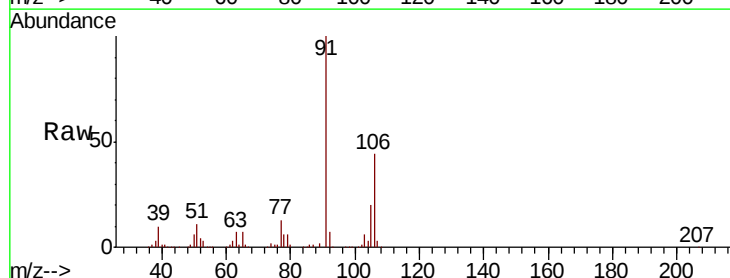
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

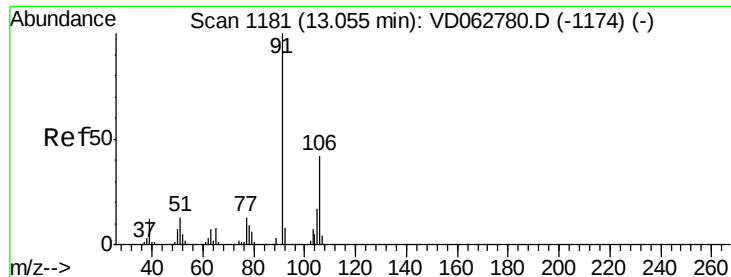
Tot Ion: 91 Resp: 755158
Ion Ratio Lower Upper
91 100
106 28.5 23.1 34.7



#68
m/p-Xylenes
Concen: 48.367 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion: 106 Resp: 570237
Ion Ratio Lower Upper
106 100
91 226.9 183.0 274.6

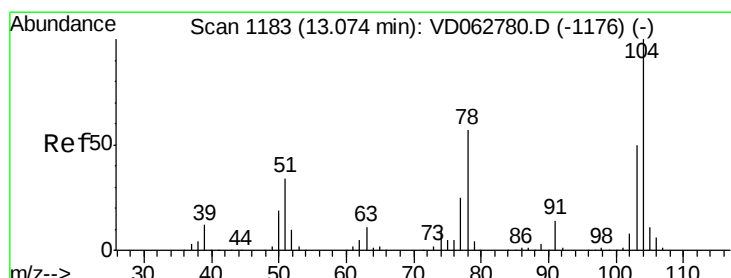
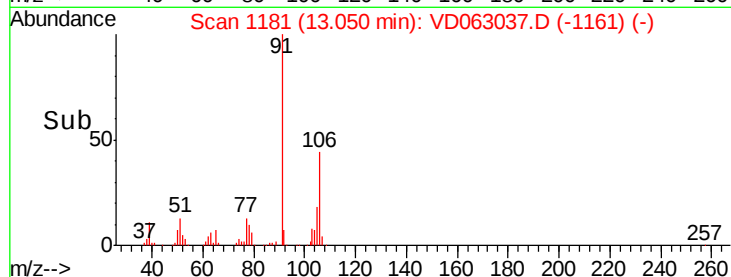
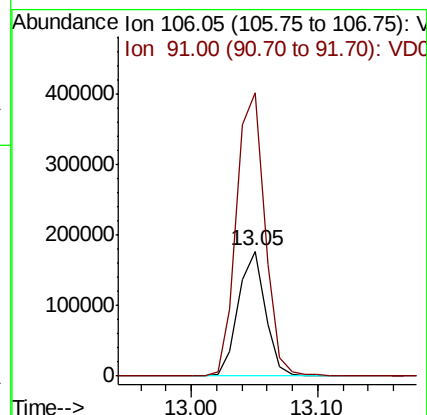
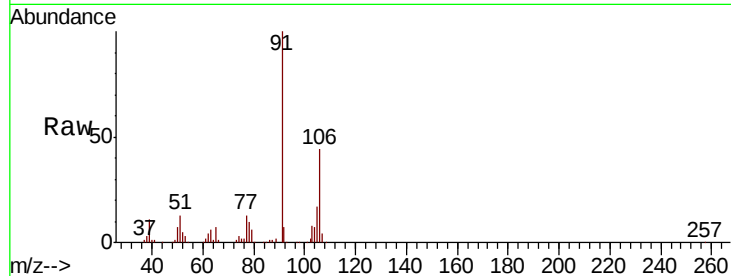




#69
o-Xylene
Concen: 24.492 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

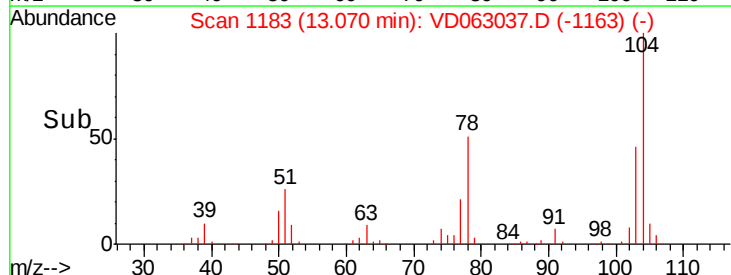
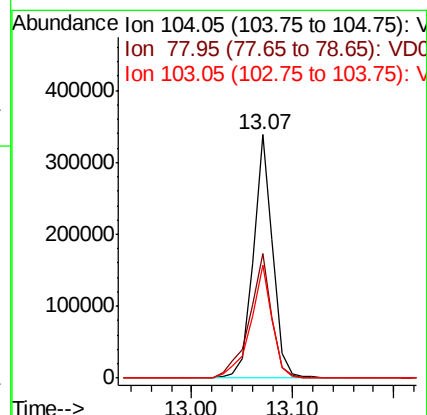
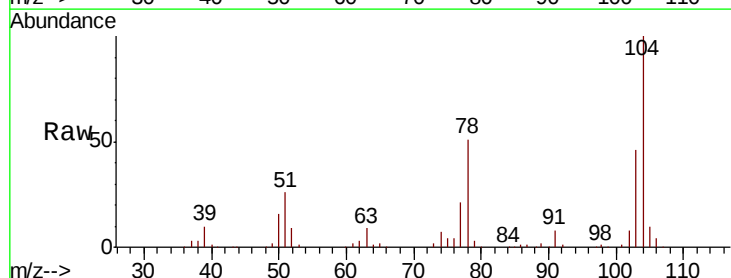
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

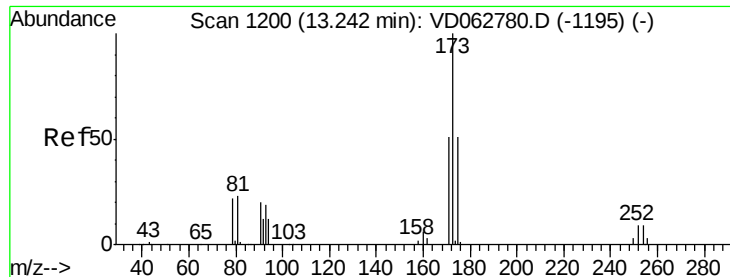
Tot Ion:106 Resp: 263963
Ion Ratio Lower Upper
106 100
91 225.9 117.9 353.6



#70
Styrene
Concen: 24.124 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion:104 Resp: 456681
Ion Ratio Lower Upper
104 100
78 51.4 45.4 68.2
103 46.2 39.7 59.5





#71

Bromoform

Concen: 21.773 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBSD01

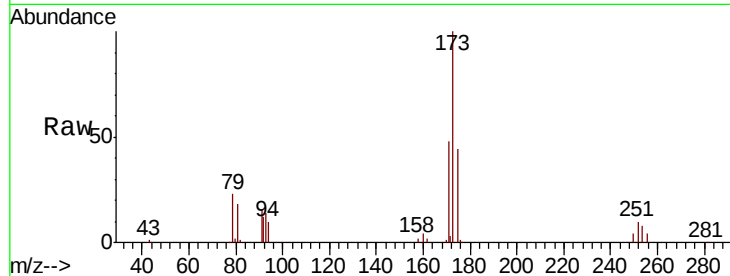
Tot Ion:173 Resp: 131530

Ion Ratio Lower Upper

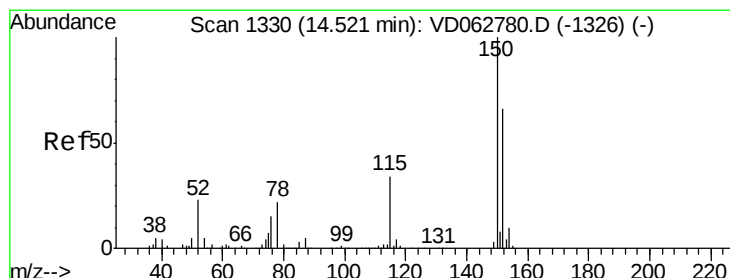
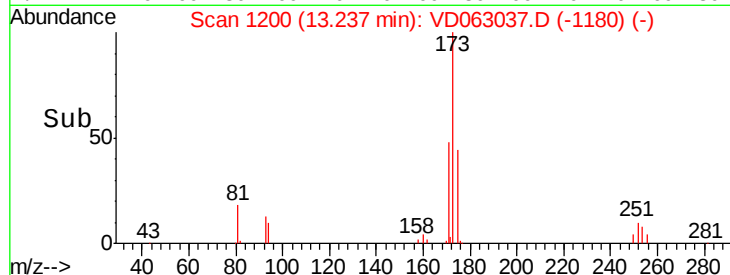
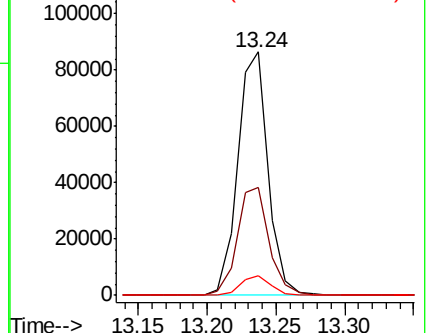
173 100

175 44.3 25.3 75.9

254 8.2 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: VD063037.D

Acq: 8 Jul 2019 15:37

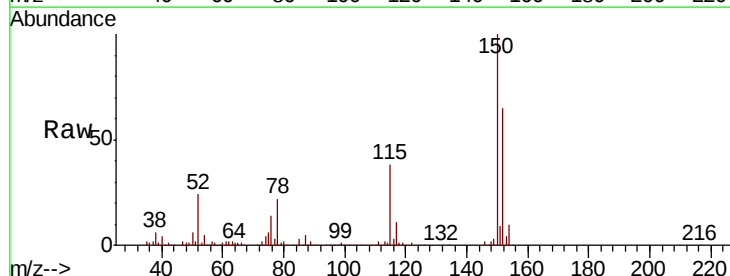
Tgt Ion:152 Resp: 549386

Ion Ratio Lower Upper

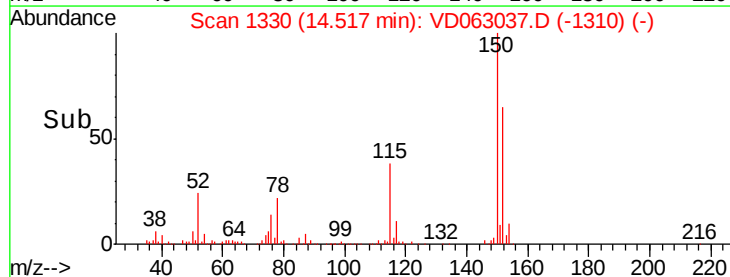
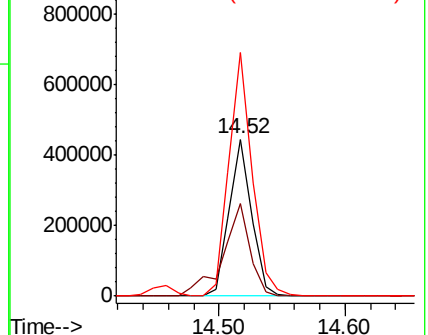
152 100

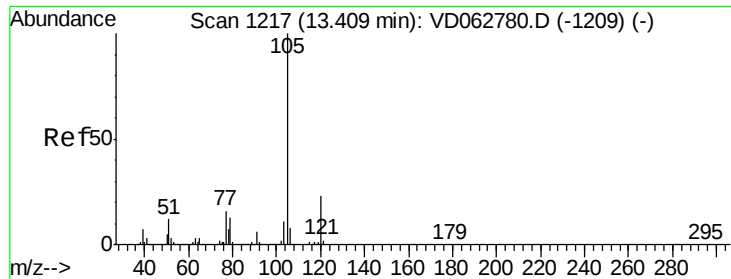
115 58.6 29.2 87.6

150 154.9 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: 21.501 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

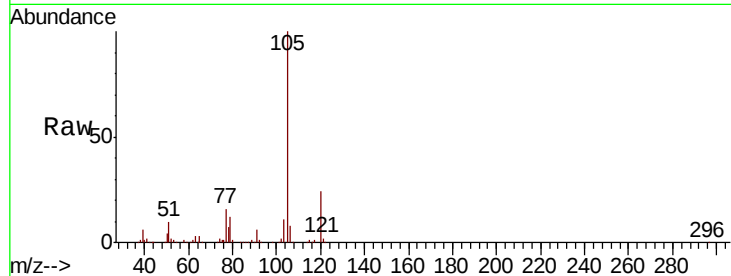
VD0708SBS01

Tot Ion:105 Resp: 757399

Ion Ratio Lower Upper

105 100

120 24.1 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

600000

500000

400000

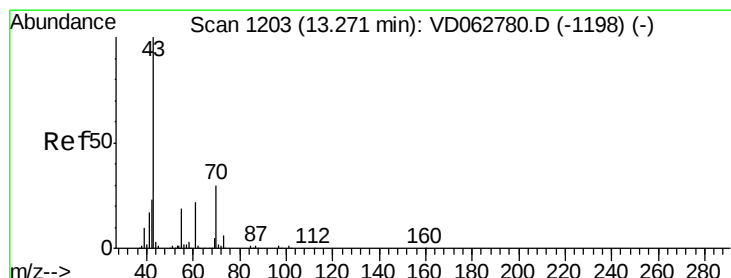
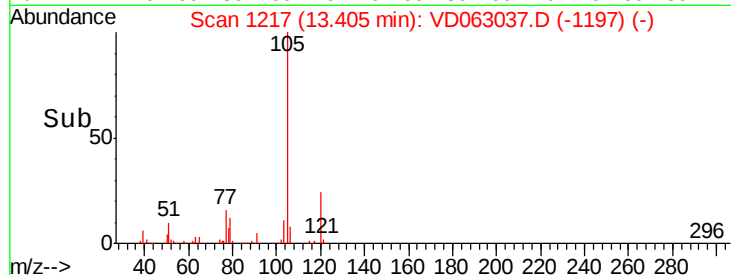
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.506 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Tgt Ion: 43 Resp: 192524

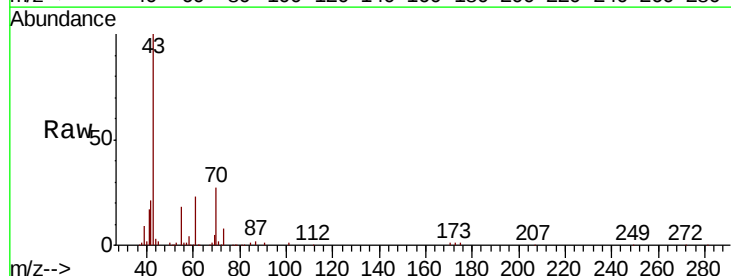
Ion Ratio Lower Upper

43 100

70 27.3 24.4 36.6

55 18.2 15.2 22.8

61 23.5 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

200000

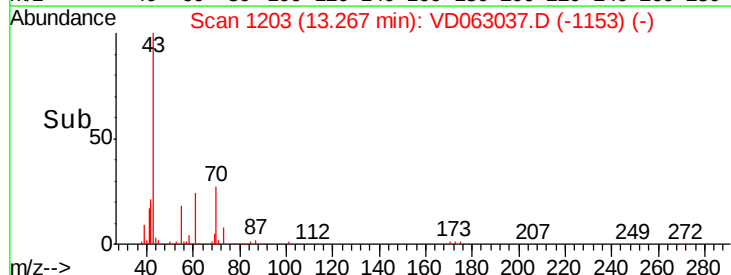
150000

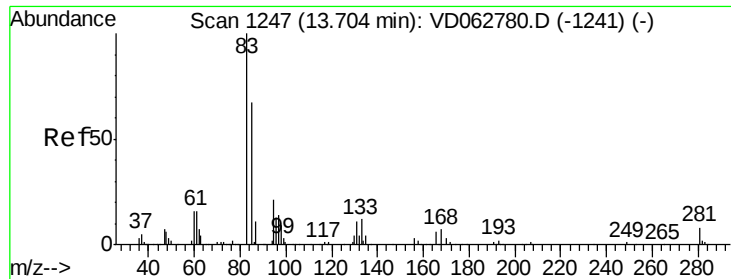
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.410 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBSD01

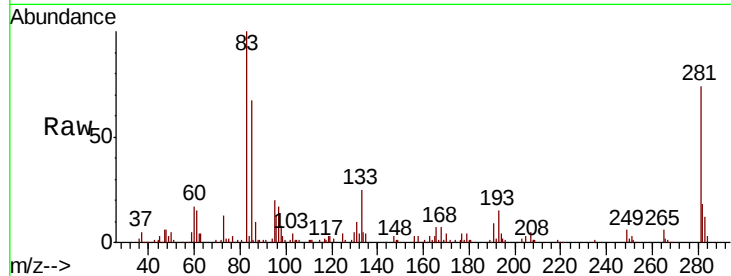
Tot Ion: 83 Resp: 128623

Ion Ratio Lower Upper

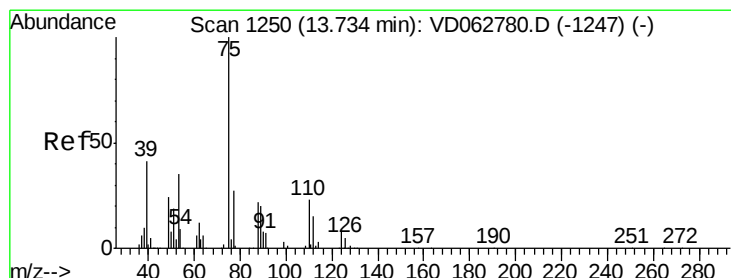
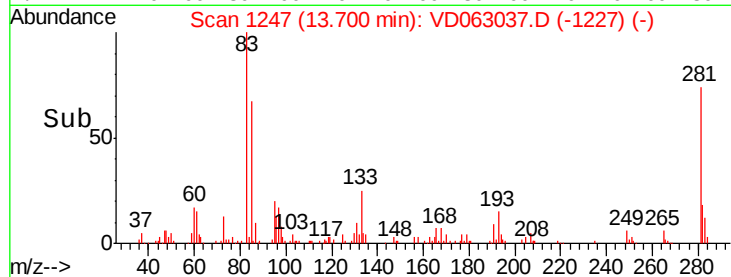
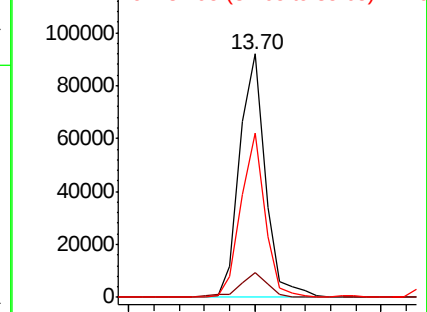
83 100

131 10.4 5.3 16.1

85 67.4 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



#76

1,2,3-Trichloropropane

Concen: 21.656 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063037.D

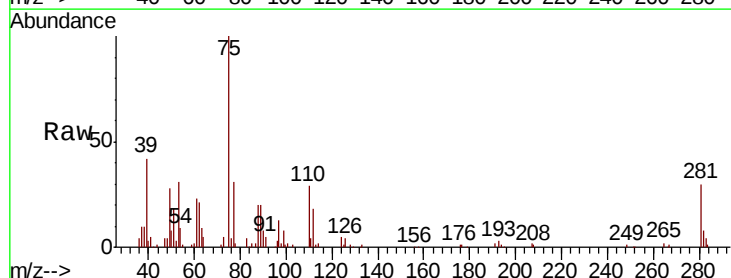
Acq: 8 Jul 2019 15:37

Tgt Ion: 75 Resp: 137346

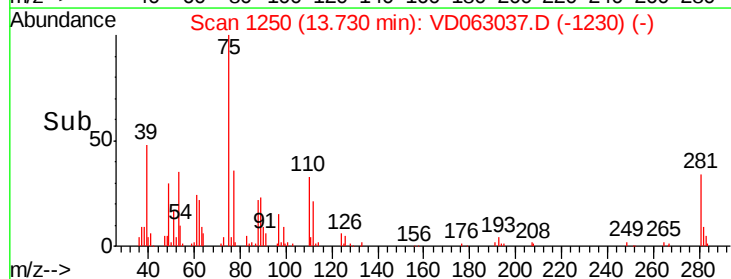
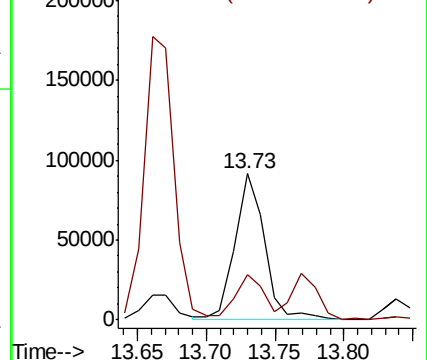
Ion Ratio Lower Upper

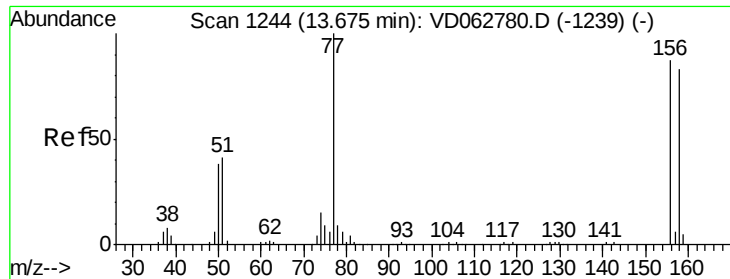
75 100

77 31.3 15.0 45.1



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





#77

Bromobenzene

Concen: 22.287 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

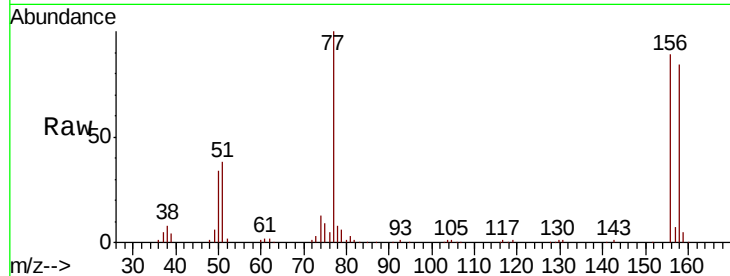
Tot Ion:156 Resp: 211161

Ion Ratio Lower Upper

156 100

77 111.9 57.7 173.1

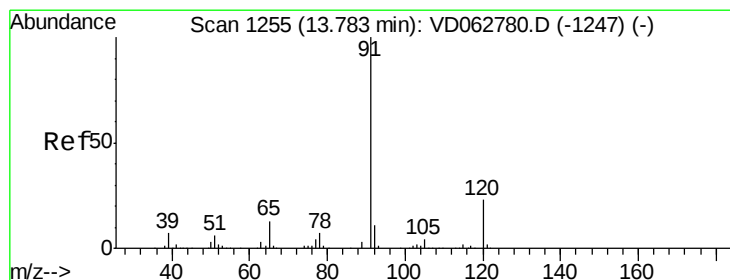
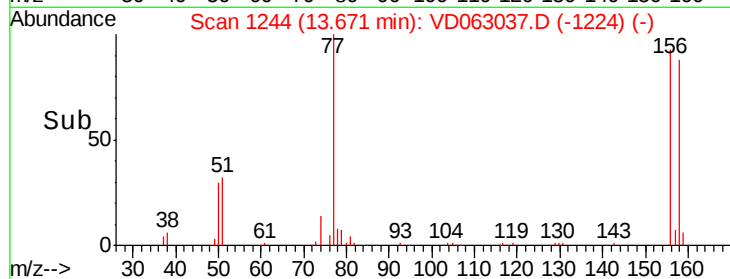
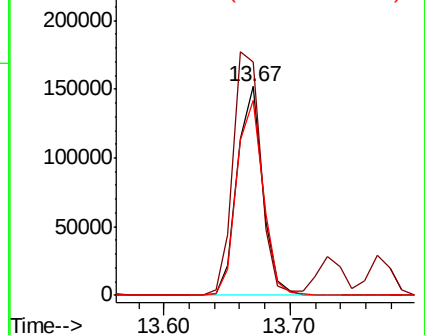
158 93.7 47.7 143.1



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: 22.343 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063037.D

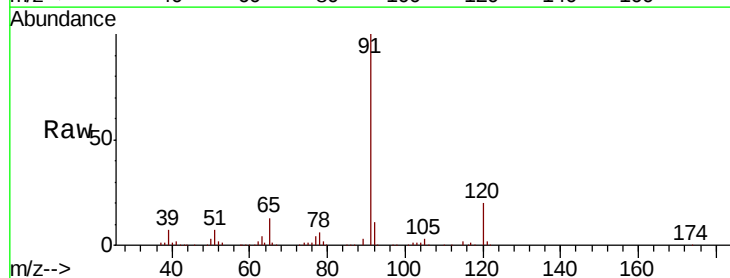
Acq: 8 Jul 2019 15:37

Tgt Ion: 91 Resp: 916055

Ion Ratio Lower Upper

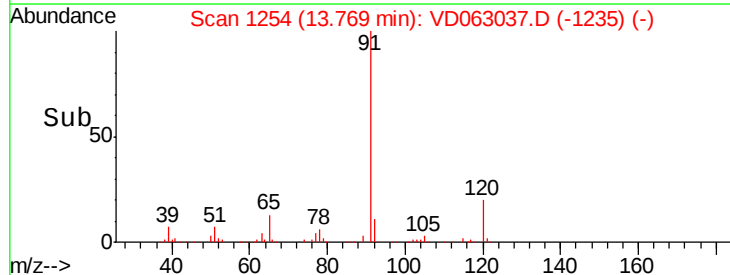
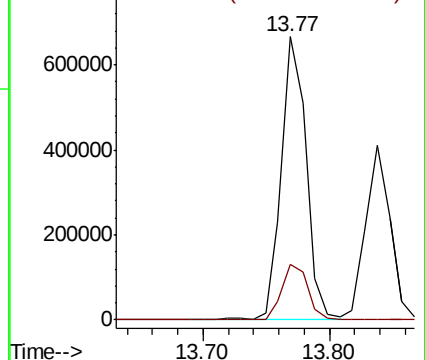
91 100

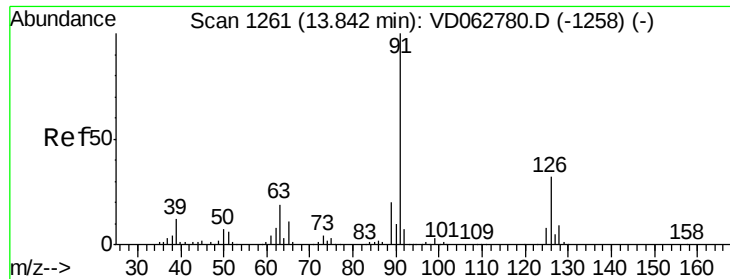
120 19.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.430 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

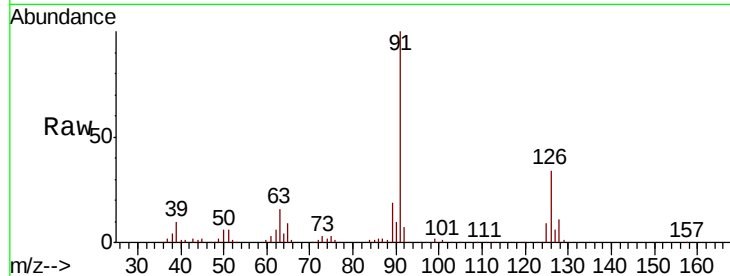
VD0708SBSD01

Tot Ion: 91 Resp: 548976

Ion Ratio Lower Upper

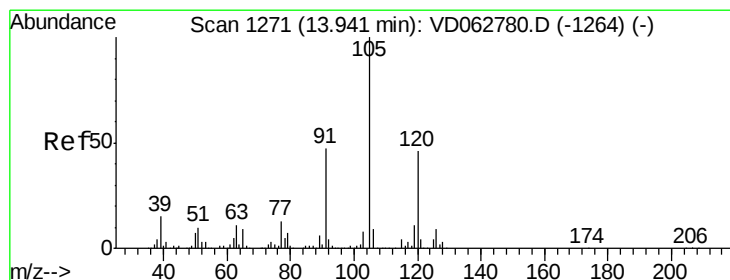
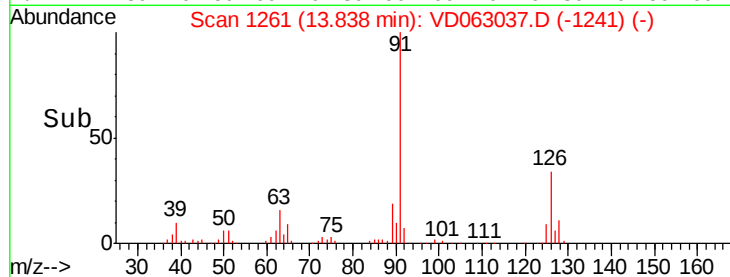
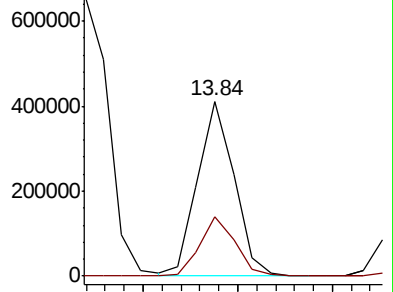
91 100

126 33.8 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 24.332 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063037.D

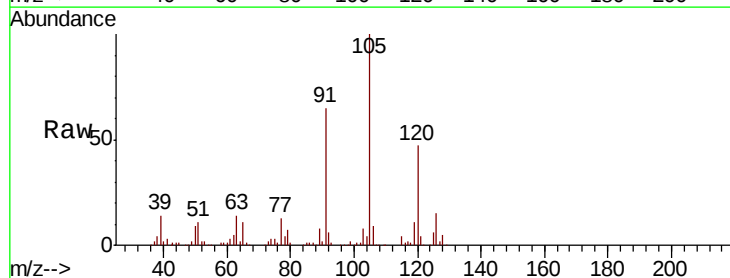
Acq: 8 Jul 2019 15:37

Tgt Ion:105 Resp: 719932

Ion Ratio Lower Upper

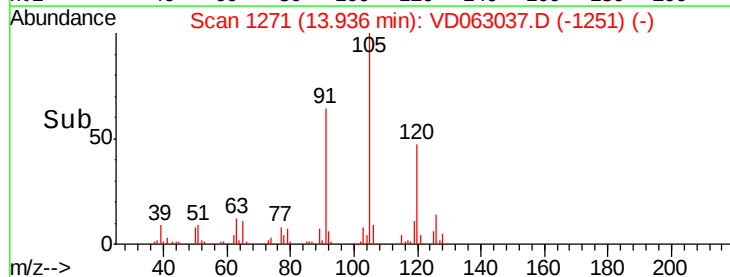
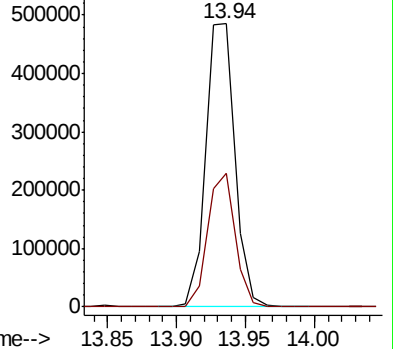
105 100

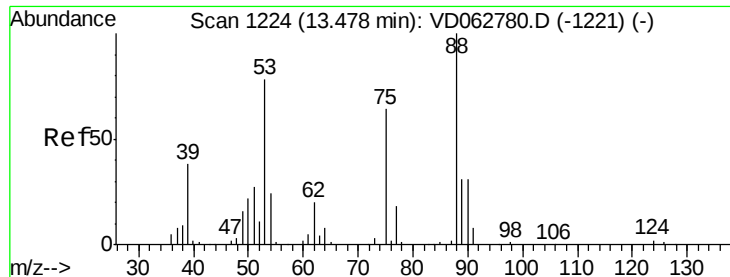
120 47.0 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.789 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

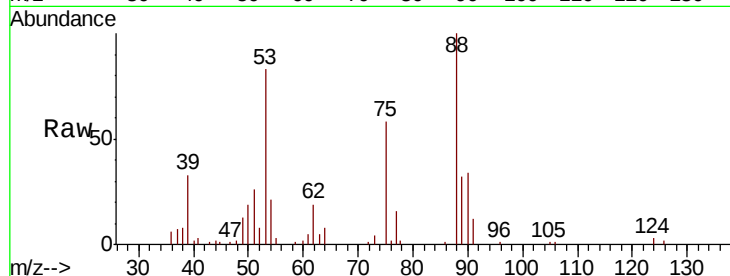
Tot Ion: 75 Resp: 34556

Ion Ratio Lower Upper

75 100

53 142.4 97.8 146.8

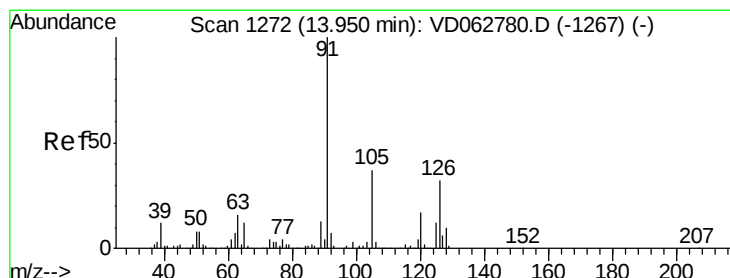
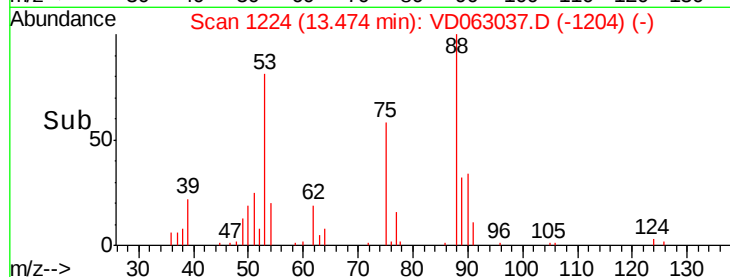
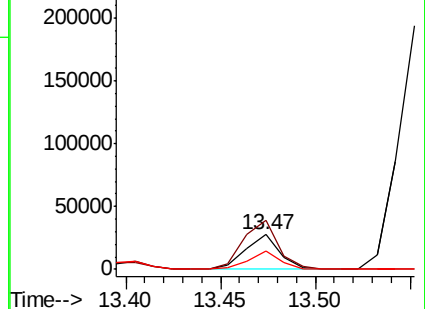
89 55.1 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 23.821 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063037.D

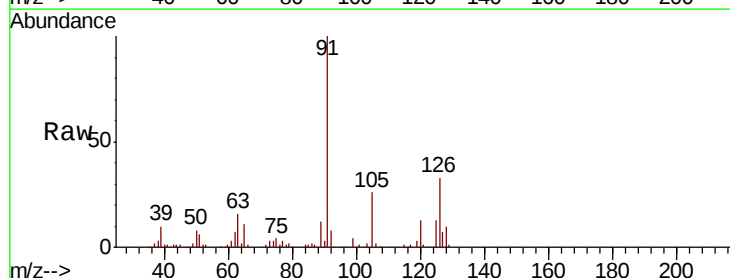
Acq: 8 Jul 2019 15:37

Tgt Ion: 91 Resp: 671942

Ion Ratio Lower Upper

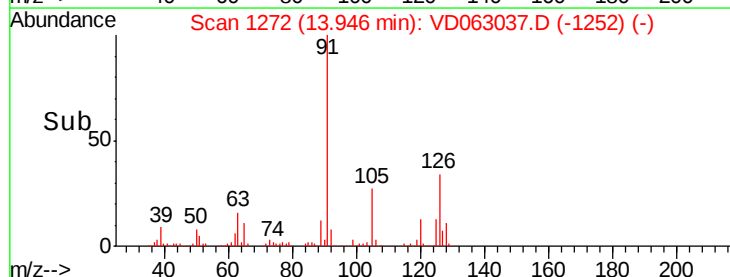
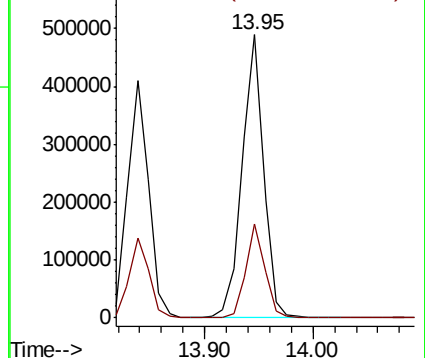
91 100

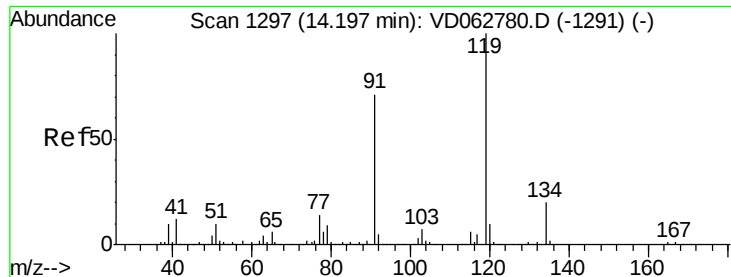
126 33.3 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

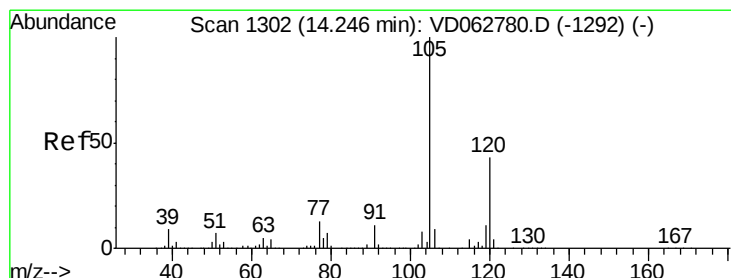
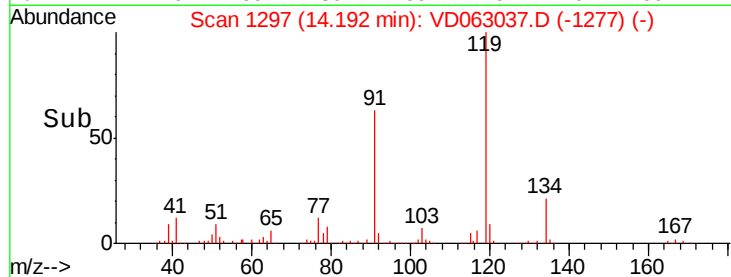
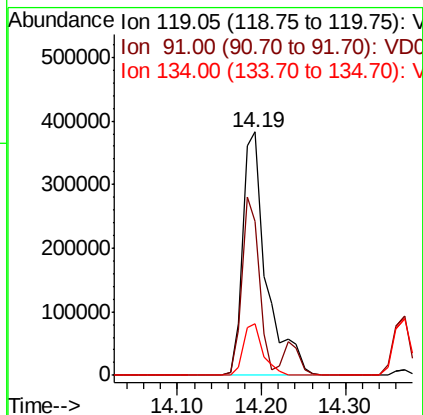
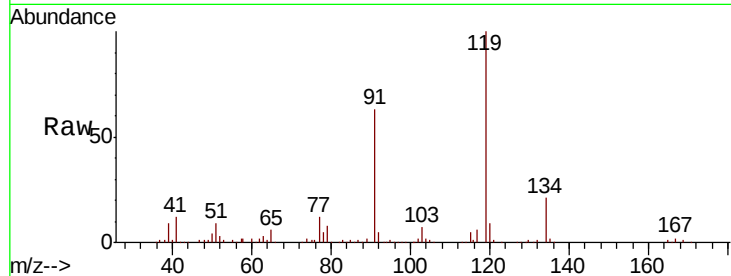




#83
 tert-Butylbenzene
 Concen: 22.764 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

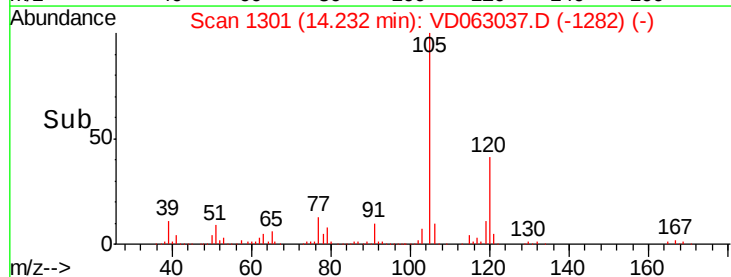
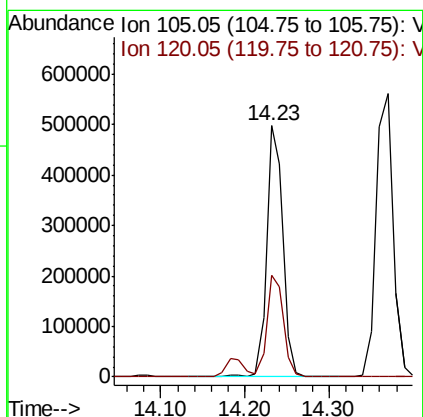
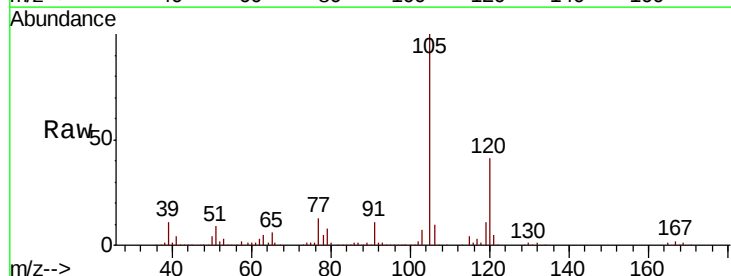
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

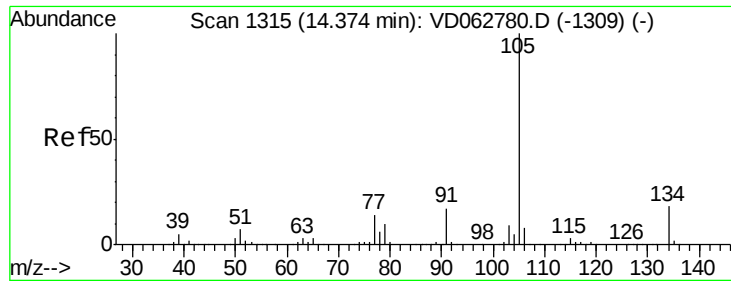
Tot Ion:119 Resp: 750762
 Ion Ratio Lower Upper
 119 100
 91 63.3 35.5 106.5
 134 21.2 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 22.267 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Tgt Ion:105 Resp: 675278
 Ion Ratio Lower Upper
 105 100
 120 40.7 21.3 63.9

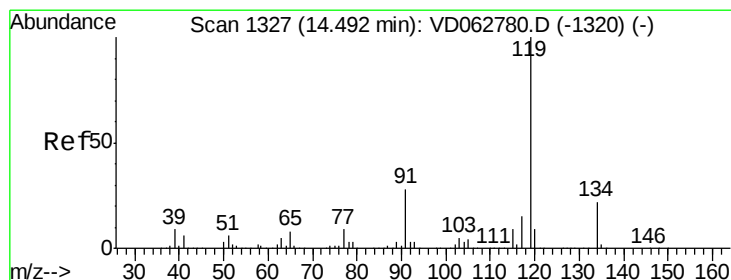
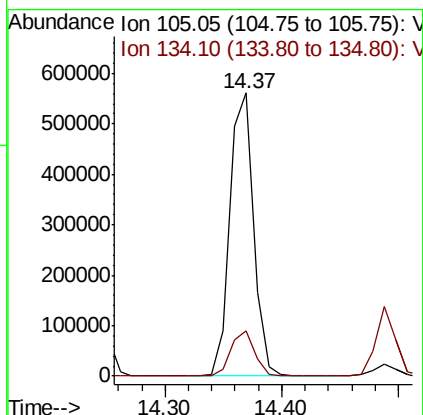
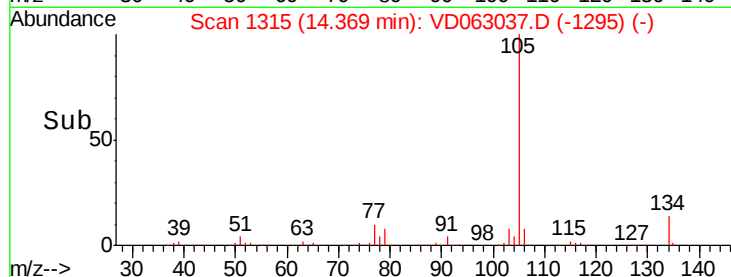
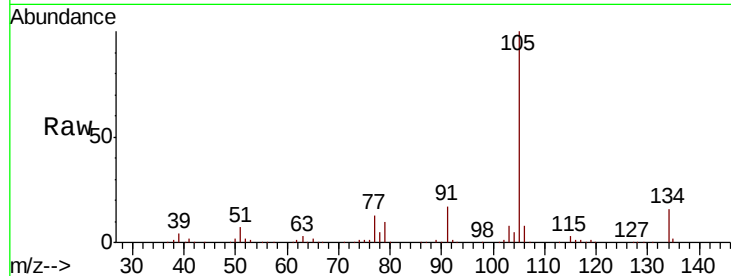




#85
 sec-Butylbenzene
 Concen: 22.154 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

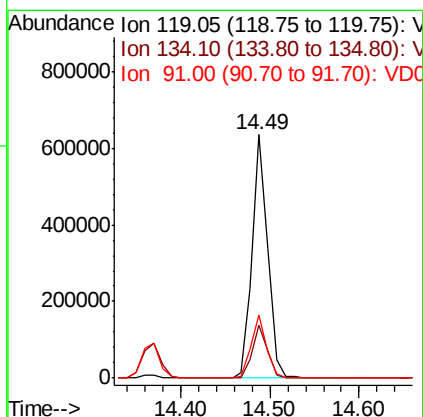
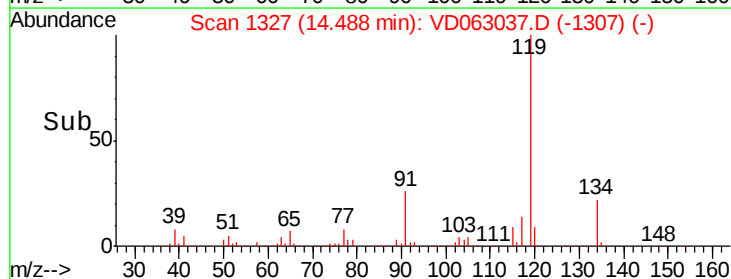
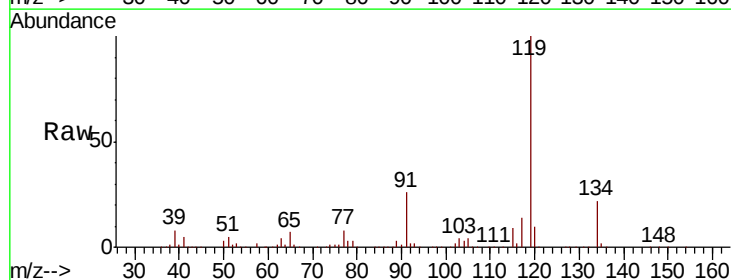
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

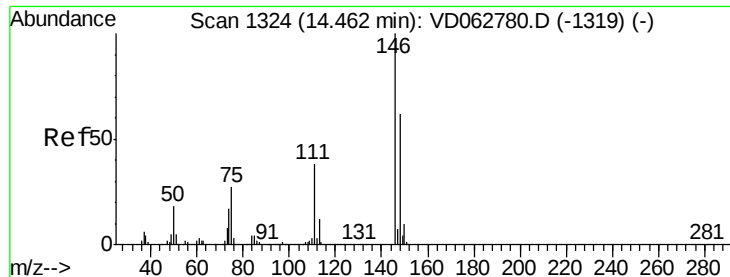
Tot Ion:105 Resp: 794131
 Ion Ratio Lower Upper
 105 100
 134 16.0 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 23.171 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Tgt Ion:119 Resp: 759841
 Ion Ratio Lower Upper
 119 100
 134 21.6 11.1 33.1
 91 26.0 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 23.817 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

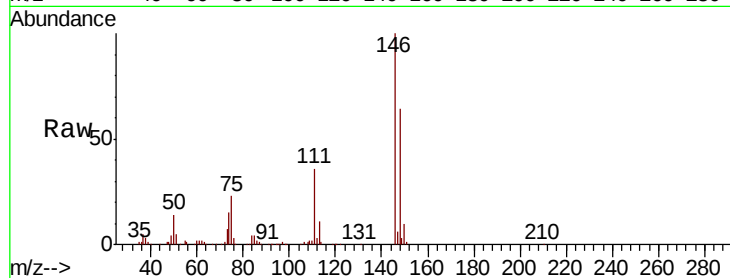
Tot Ion:146 Resp: 404517

Ion Ratio Lower Upper

146 100

111 35.7 19.0 57.0

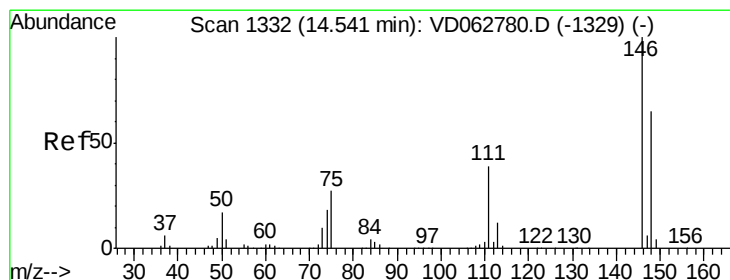
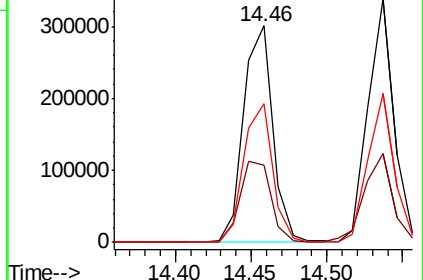
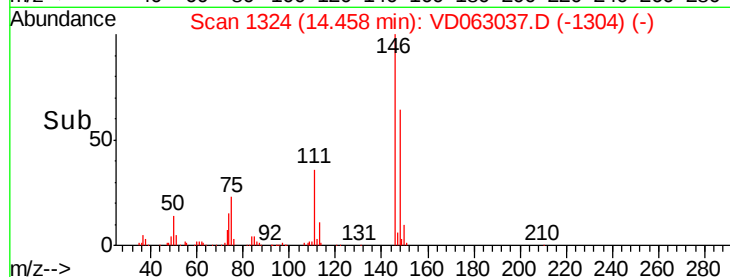
148 63.8 30.8 92.3



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: 23.600 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

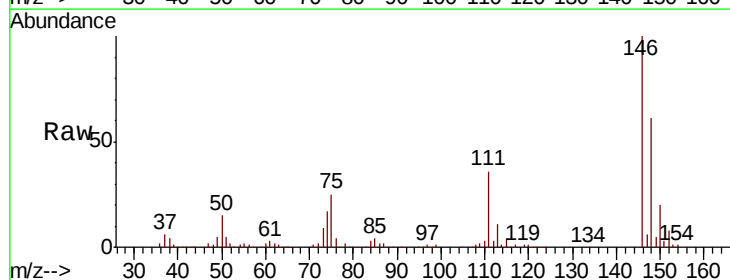
Tgt Ion:146 Resp: 402582

Ion Ratio Lower Upper

146 100

111 36.5 19.7 59.1

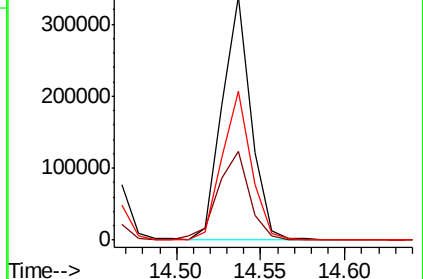
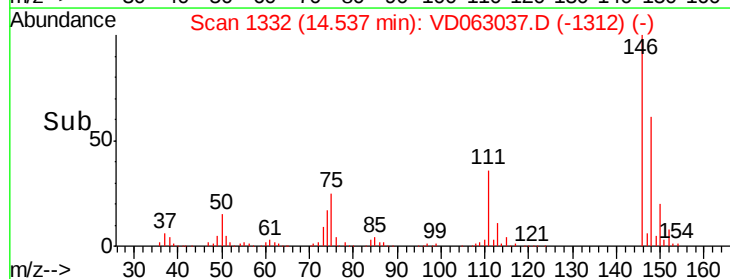
148 61.0 32.8 98.3

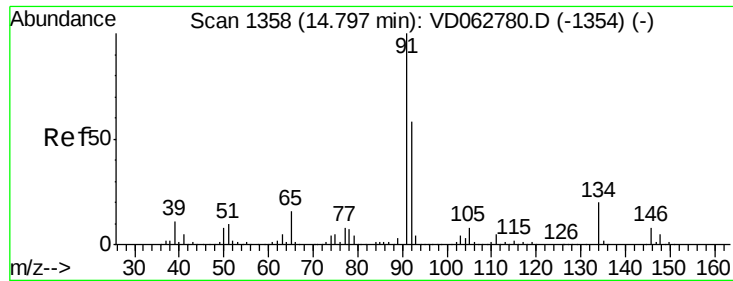


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

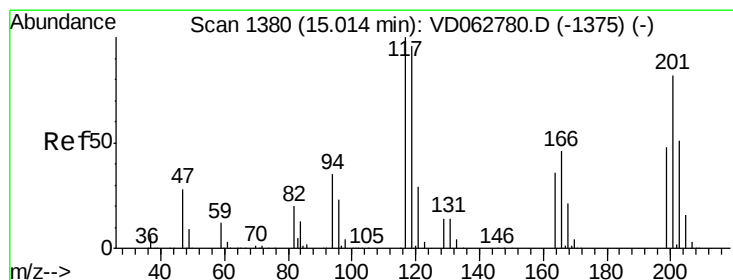
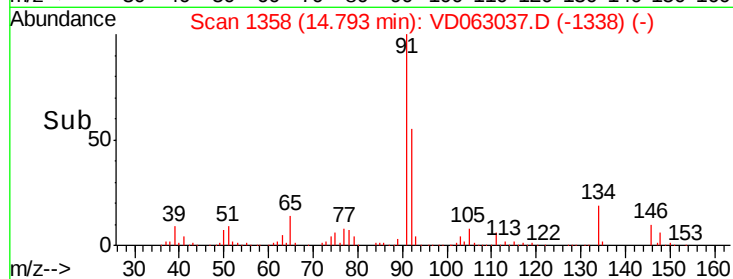
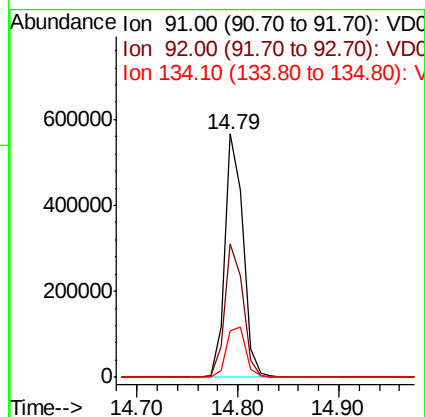
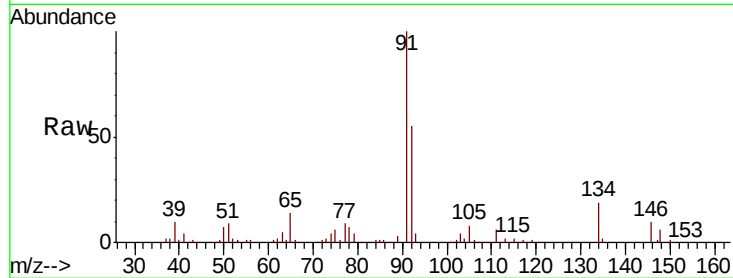




#89
n-Butylbenzene
Concen: 23.350 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

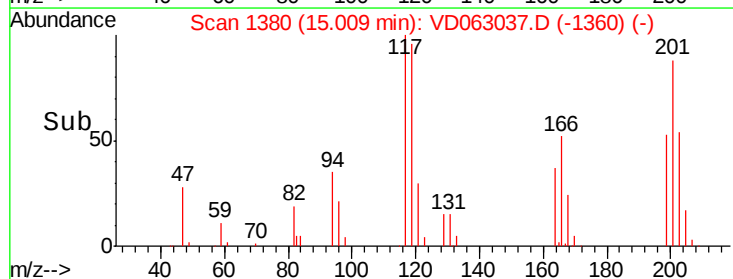
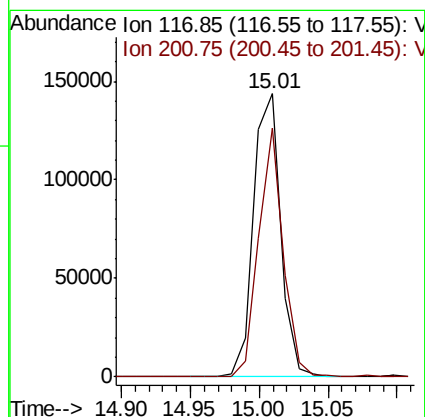
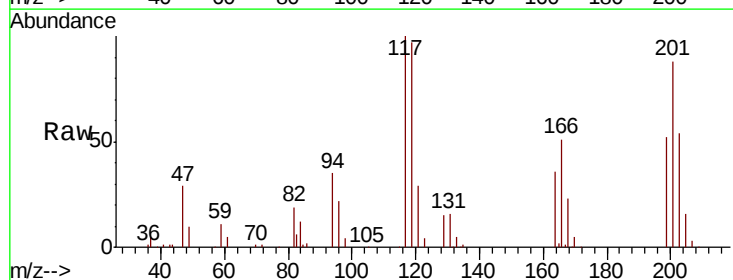
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

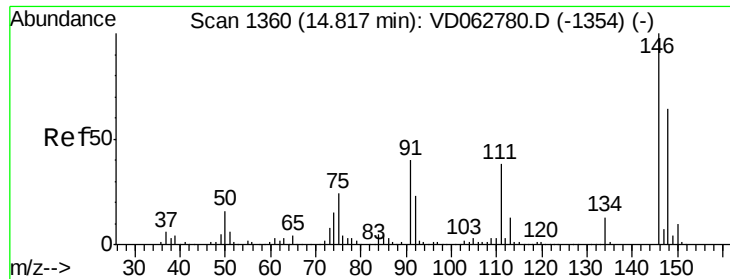
Tot Ion: 91 Resp: 716668
Ion Ratio Lower Upper
91 100
92 54.8 28.9 86.7
134 19.3 10.1 30.3



#90
Hexachloroethane
Concen: 22.549 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD063037.D
Acq: 8 Jul 2019 15:37

Tgt Ion: 117 Resp: 198815
Ion Ratio Lower Upper
117 100
201 87.8 40.8 122.2

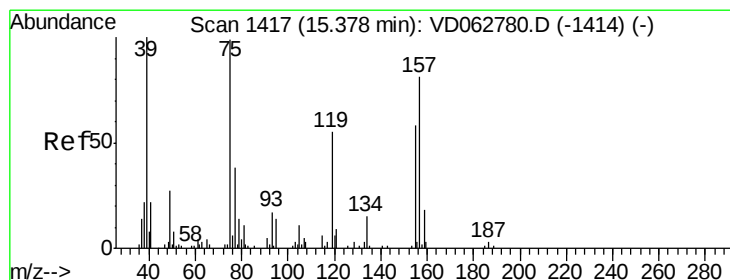
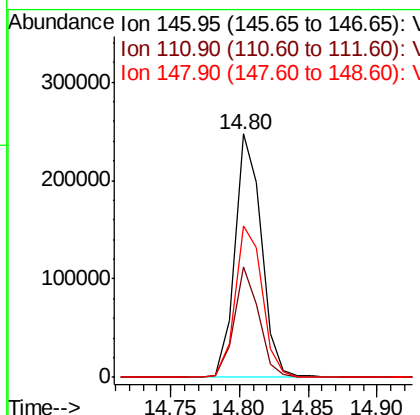
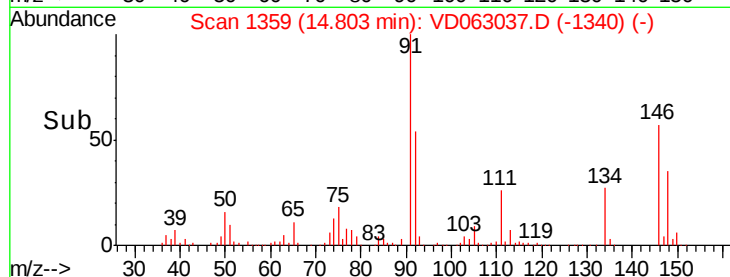
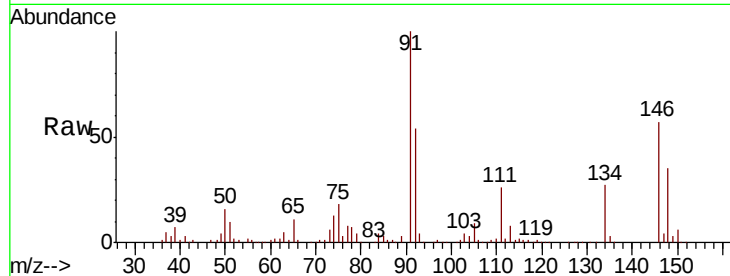




#91
 1,2-Dichlorobenzene
 Concen: 22.868 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

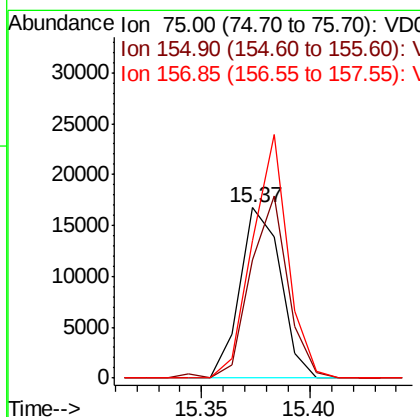
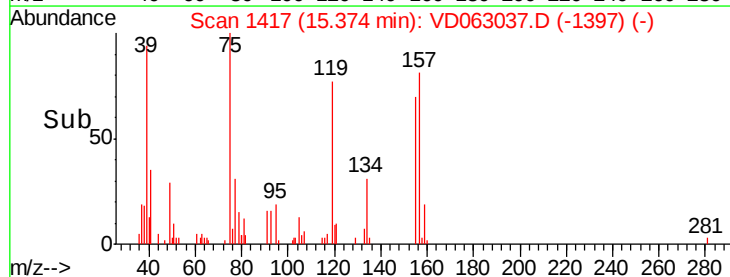
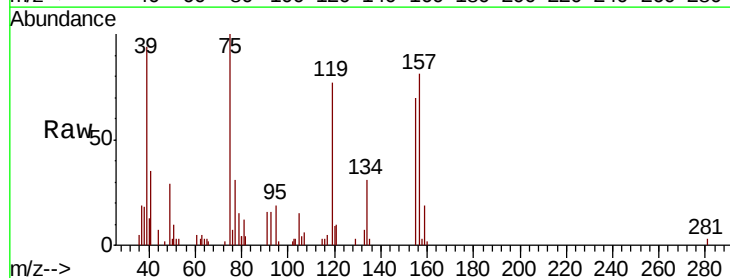
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBSD01

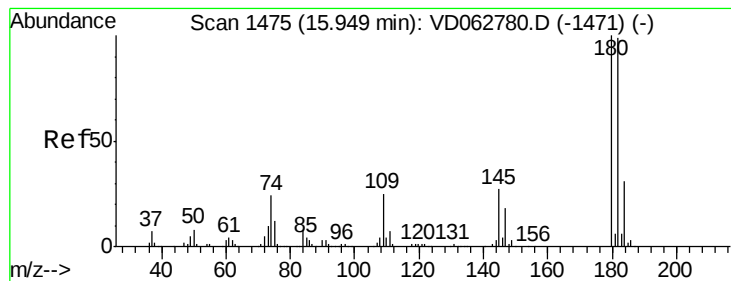
Tot Ion:146 Resp: 332304
 Ion Ratio Lower Upper
 146 100
 111 45.4 19.1 57.1
 148 62.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.709 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063037.D
 Acq: 8 Jul 2019 15:37

Tgt Ion: 75 Resp: 22079
 Ion Ratio Lower Upper
 75 100
 155 69.5 29.3 87.8
 157 80.6 41.3 123.7





#93

1,2,4-Trichlorobenzene

Concen: 22.177 ug/l

RT: 15.94 min Scan# 1475

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

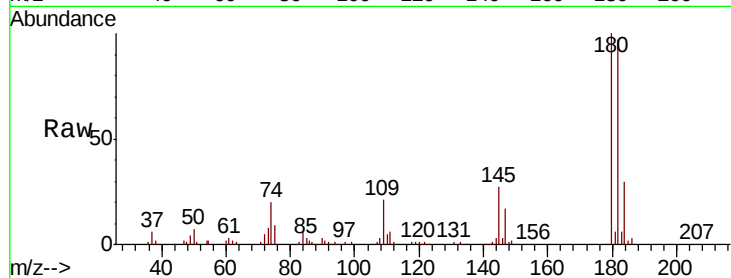
Tot Ion:180 Resp: 251733

Ion Ratio Lower Upper

180 100

182 97.5 49.5 148.5

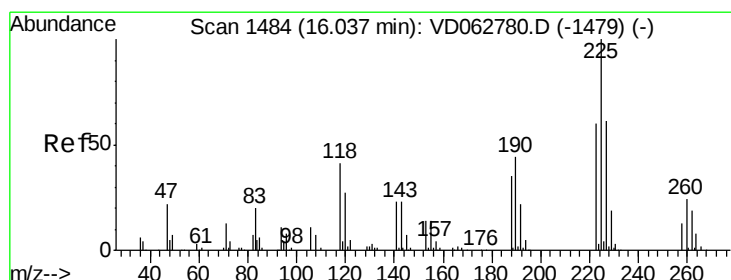
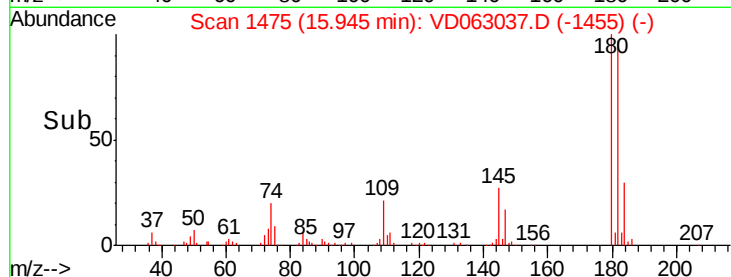
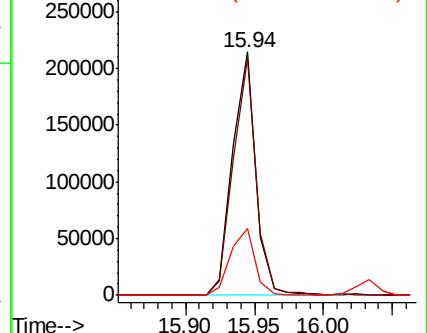
145 27.3 13.7 41.0



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: 21.273 ug/l

RT: 16.03 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

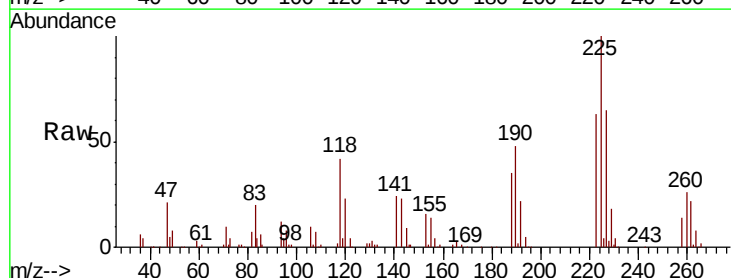
Tgt Ion:225 Resp: 184478

Ion Ratio Lower Upper

225 100

223 63.4 29.8 89.5

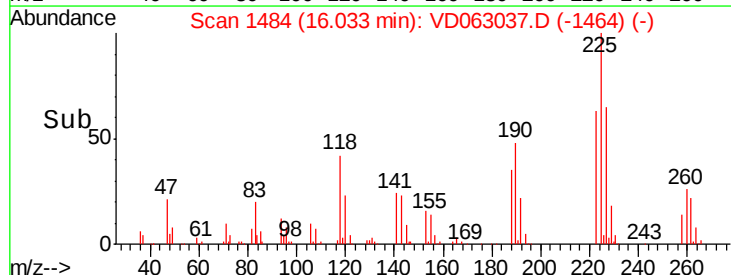
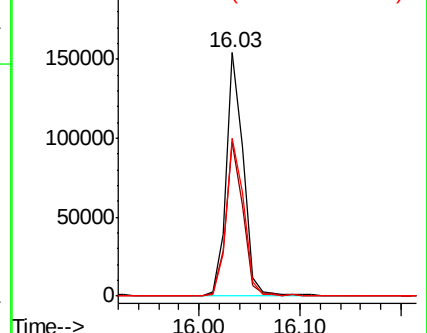
227 64.6 30.6 91.6

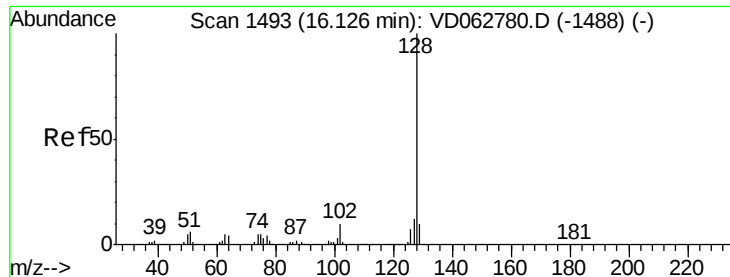


Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 22.845 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

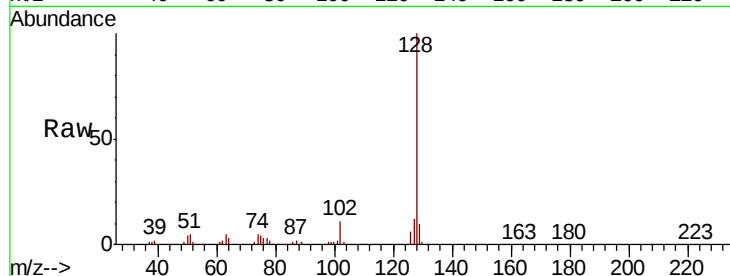
Tot Ion:128 Resp: 363454

Ion Ratio Lower Upper

128 100

127 12.2 9.7 14.5

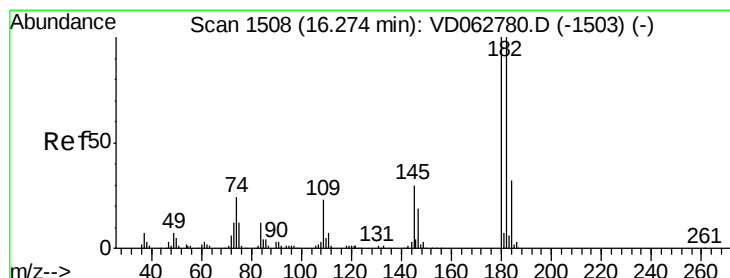
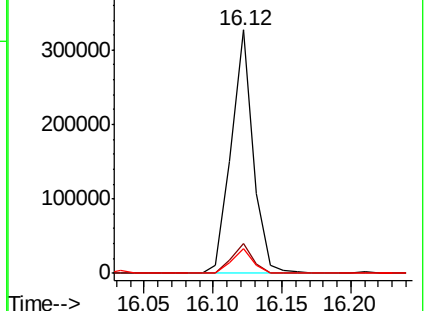
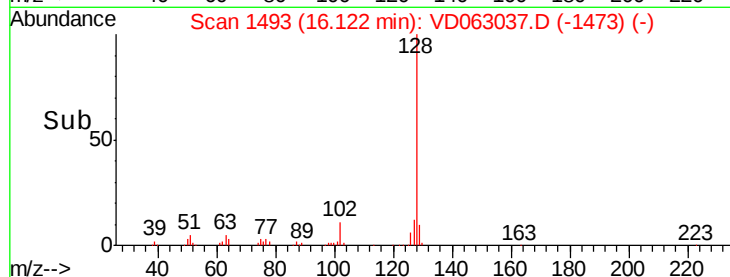
129 10.1 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.839 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063037.D

Acq: 8 Jul 2019 15:37

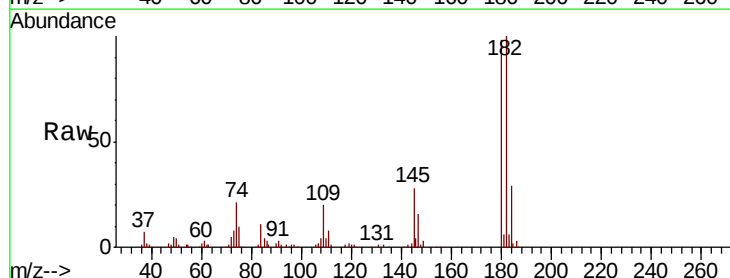
Tgt Ion:180 Resp: 199194

Ion Ratio Lower Upper

180 100

182 101.7 49.9 149.6

145 28.2 15.2 45.5



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

