

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
 Data File : VD062705.D
 Acq On : 14 Jun 2019 12:35
 Operator : VA/AP
 Sample : VD0614SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Quant Time: Jun 15 04:35:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	737413	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	981127	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	842088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	513431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	554978	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	6.93	113	545673	52.74	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.48%	
50) Toluene-d8	10.42	98	1214104	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
62) 4-Bromofluorobenzene	13.56	95	566069	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	196111	21.400	ug/l	97
3) Chloromethane	1.75	50	158355	21.703	ug/l	97
4) Vinyl Chloride	1.85	62	145953	19.399	ug/l	99
5) Bromomethane	2.15	94	65158	17.157	ug/l	90
6) Chloroethane	2.27	64	74919	20.168	ug/l	98
7) Trichlorofluoromethane	2.53	101	324440	19.266	ug/l	100
8) Diethyl Ether	2.87	74	51440	22.458	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.14	101	195507	21.527	ug/l	99
10) Methyl Iodide	3.30	142	212303	18.821	ug/l	97
11) Tert butyl alcohol	4.09	59	40694	93.038	ug/l #	89
12) 1,1-Dichloroethene	3.13	96	140979	21.630	ug/l	78
13) Acrolein	3.03	56	12482	88.716	ug/l	89
14) Allyl chloride	3.62	41	215456	21.499	ug/l	94
15) Acrylonitrile	4.21	53	104590	105.228	ug/l	95
16) Acetone	3.23	43	184960	94.924	ug/l	99
17) Carbon Disulfide	3.37	76	354901	18.478	ug/l	97
18) Methyl Acetate	3.64	43	71440	22.310	ug/l #	85
19) Methyl tert-butyl Ether	4.25	73	322878	20.312	ug/l	94
20) Methylene Chloride	3.81	84	146927	19.690	ug/l #	81
21) trans-1,2-Dichloroethene	4.22	96	142480	19.929	ug/l	96
22) Diisopropyl ether	5.13	45	418885	20.130	ug/l #	93
23) Vinyl Acetate	5.06	43	1303460	100.970	ug/l	99
24) 1,1-Dichloroethane	4.99	63	268887	20.086	ug/l #	95
25) 2-Butanone	6.08	43	170716	89.807	ug/l	100
26) 2,2-Dichloropropane	6.03	77	322180	20.882	ug/l	94
27) cis-1,2-Dichloroethene	6.05	96	153041	19.746	ug/l	93
28) Bromochloromethane	6.44	49	95212	18.606	ug/l	88
29) Tetrahydrofuran	6.47	42	79279	92.611	ug/l	99
30) Chloroform	6.67	83	353770	20.598	ug/l	91
31) Cyclohexane	6.96	56	168313	20.044	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	349616	20.457	ug/l	99
36) 1,1-Dichloropropene	7.15	75	218459	19.455	ug/l	96
37) Ethyl Acetate	6.19	43	89289	19.402	ug/l #	87
38) Carbon Tetrachloride	7.12	117	348079	19.612	ug/l #	95

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 Data File : VD062705.D
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 Sample : VD0614SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Quant Time: Jun 15 04:35:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	189192	20.850	ug/l	95
40) Benzene	7.45	78	445568	20.319	ug/l	95
41) Methacrylonitrile	6.45	41	113632	19.331	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	261389	19.998	ug/l	92
43) Isopropyl Acetate	9.25	43	118694	20.033	ug/l #	97
44) Trichloroethene	8.54	130	185008	20.781	ug/l	99
45) 1,2-Dichloropropane	8.94	63	111896	21.243	ug/l	96
46) Dibromomethane	9.07	93	99721	21.328	ug/l	89
47) Bromodichloromethane	9.38	83	269746	21.209	ug/l	94
48) Methyl methacrylate	9.13	41	79781	18.639	ug/l #	80
49) 1,4-Dioxane	9.09	88	15410	430.830	ug/l #	84
51) 4-Methyl-2-Pentanone	10.30	43	398072	96.019	ug/l	99
52) Toluene	10.52	92	293632	19.920	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	216203	20.733	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	224653	20.844	ug/l	91
55) 1,1,2-Trichloroethane	11.20	97	101758	20.130	ug/l	96
56) Ethyl methacrylate	11.05	69	107423	20.187	ug/l	88
57) 1,3-Dichloropropane	11.41	76	154948	19.776	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.86	63	299667	110.913	ug/l	100
59) 2-Hexanone	11.54	43	312281	101.263	ug/l	98
60) Dibromochloromethane	11.69	129	204227	20.466	ug/l	99
61) 1,2-Dibromoethane	11.81	107	127579	21.087	ug/l	97
64) Tetrachloroethene	11.26	164	160546	20.366	ug/l	95
65) Chlorobenzene	12.40	112	383924	20.612	ug/l	94
66) 1,1,1,2-Tetrachloroethane	12.51	131	177010	19.925	ug/l	97
67) Ethyl Benzene	12.52	91	659729	19.977	ug/l	100
68) m/p-Xylenes	12.67	106	467249	40.245	ug/l	94
69) o-Xylene	13.06	106	215532	20.213	ug/l	92
70) Styrene	13.08	104	364128	19.139	ug/l	99
71) Bromoform	13.23	173	127742	20.514	ug/l	97
73) Isopropylbenzene	13.40	105	741436	20.488	ug/l	99
74) N-amyl acetate	13.27	43	173951	17.786	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.71	83	115139	18.594	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	124928	17.945	ug/l	94
77) Bromobenzene	13.68	156	198693	19.209	ug/l	92
78) n-propylbenzene	13.77	91	818811	18.484	ug/l	99
79) 2-Chlorotoluene	13.84	91	499823	19.271	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	643499	20.120	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	27931	16.370	ug/l #	85
82) 4-Chlorotoluene	13.95	91	619739	19.980	ug/l	100
83) tert-Butylbenzene	14.19	119	697602	19.775	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	586222	18.512	ug/l	99
85) sec-Butylbenzene	14.36	105	742724	20.079	ug/l	96
86) p-Isopropyltoluene	14.49	119	725740	20.151	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	372972	19.904	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	357013	20.160	ug/l	96
89) n-Butylbenzene	14.80	91	628281	19.391	ug/l	97
90) Hexachloroethane	15.00	117	191516	20.143	ug/l	66
91) 1,2-Dichlorobenzene	14.81	146	305438	19.609	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	21747	16.442	ug/l	84

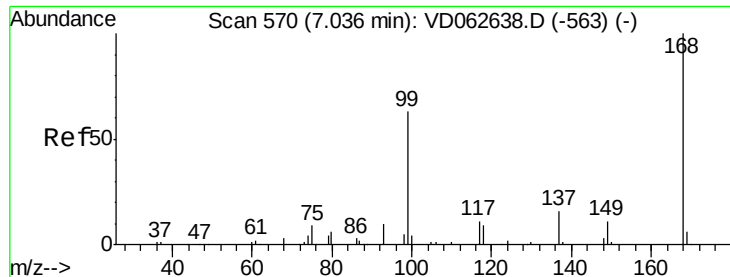
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061419\
Data File : VD062705.D
Acq On : 14 Jun 2019 12:35
Operator : VA/AP
Sample : VD0614SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
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Instrument :
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ClientSampleId :
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Quant Time: Jun 15 04:35:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	221217	19.115	ug/l	98
94) Hexachlorobutadiene	16.04	225	174780	19.005	ug/l	98
95) Naphthalene	16.13	128	313988	19.141	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	171452	19.110	ug/l	99

(#) = 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. 0.02 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

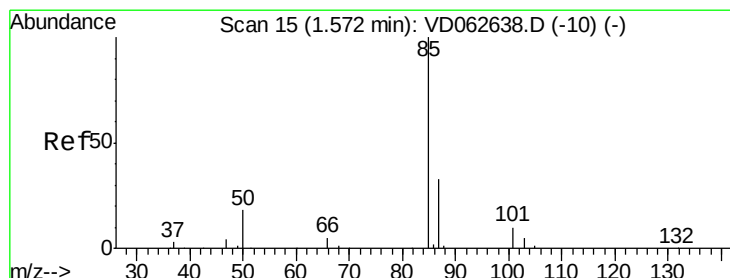
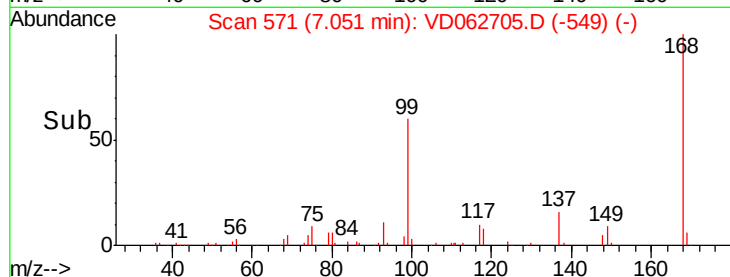
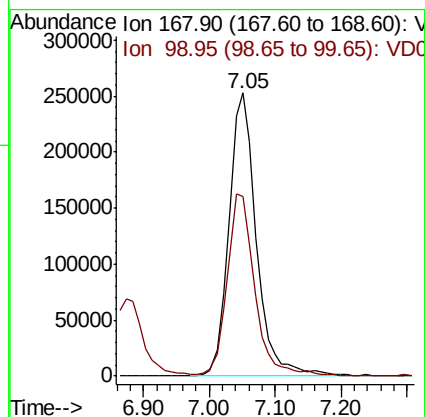
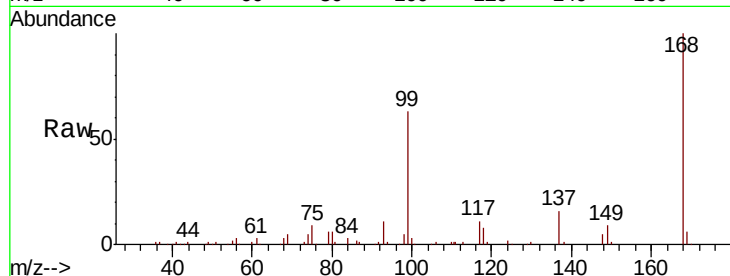
VD0614SBS01

Tot Ion:168 Resp: 737413

Ion Ratio Lower Upper

168 100

99 63.3 51.4 77.2



#2

Dichlorodifluoromethane

Concen: 21.400 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062705.D

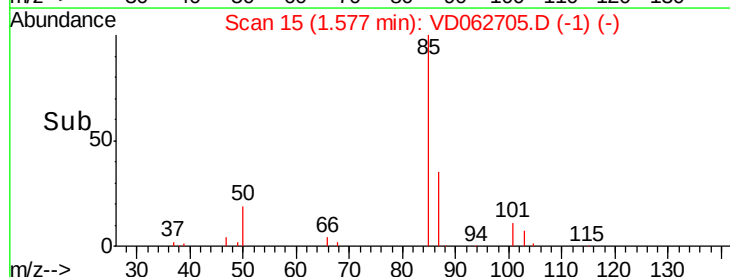
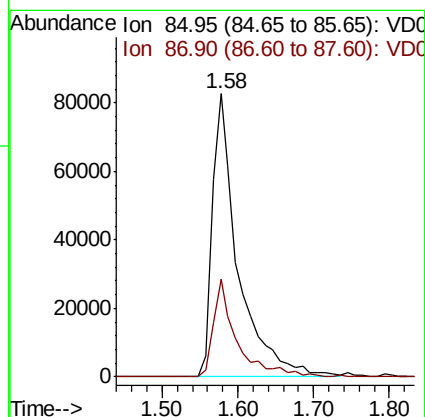
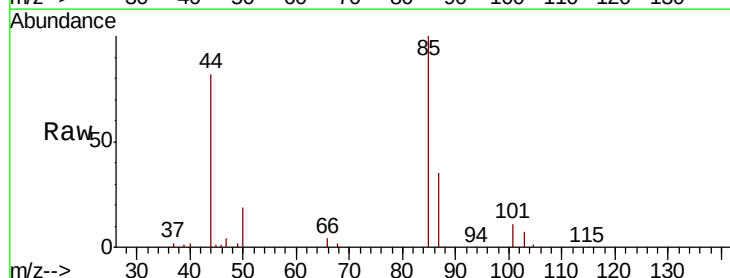
Acq: 14 Jun 2019 12:35

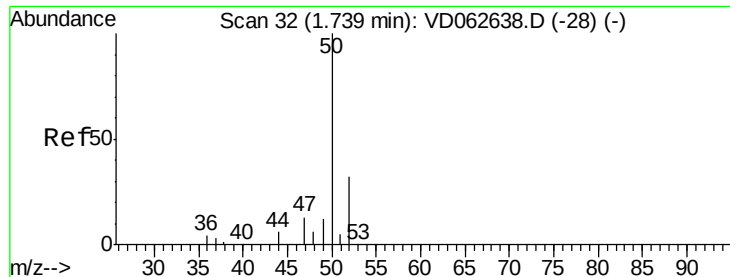
Tgt Ion: 85 Resp: 196111

Ion Ratio Lower Upper

85 100

87 34.7 16.6 49.7





#3

Chloromethane

Concen: 21.703 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

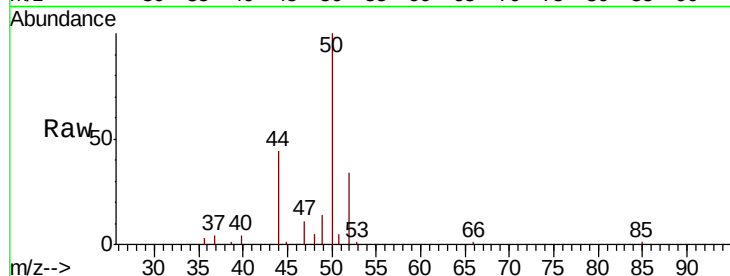
VD0614SBS01

Tot Ion: 50 Resp: 158355

Ion Ratio Lower Upper

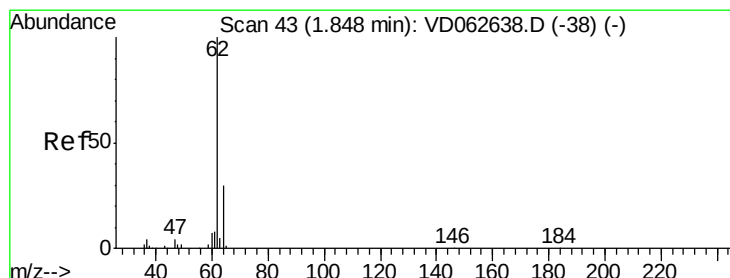
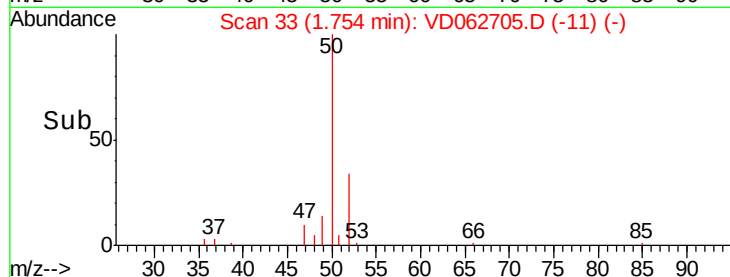
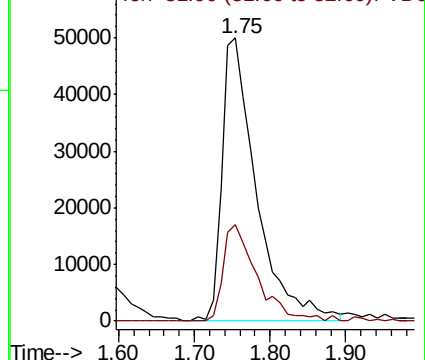
50 100

52 34.0 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.399 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062705.D

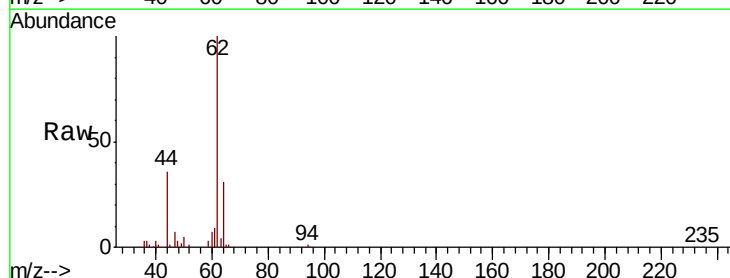
Acq: 14 Jun 2019 12:35

Tgt Ion: 62 Resp: 145953

Ion Ratio Lower Upper

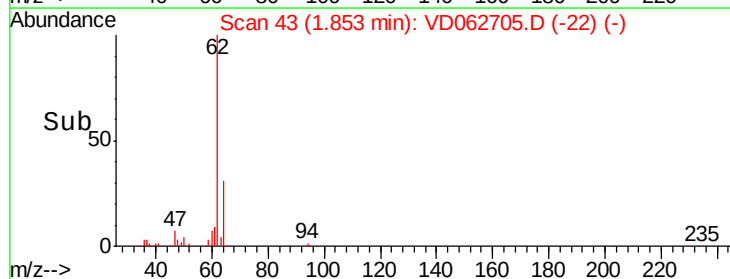
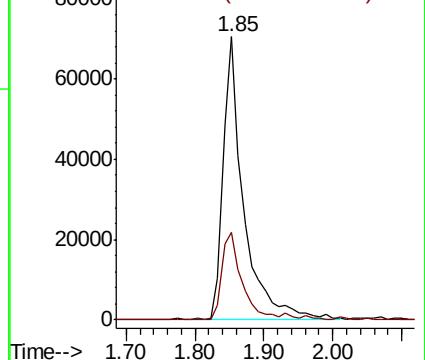
62 100

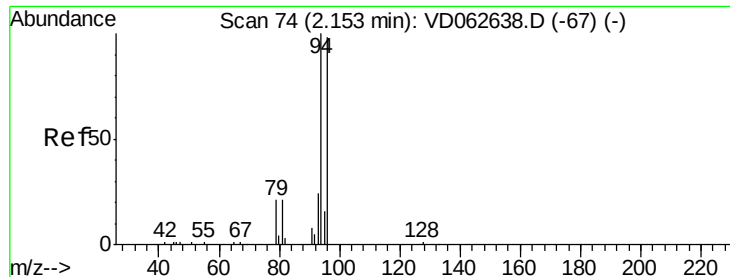
64 31.0 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.157 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

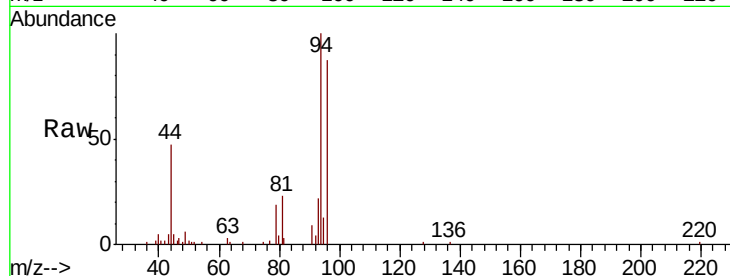
Tot Ion: 94 Resp: 65158

Ion Ratio Lower Upper

94 100

96 86.8 78.1 117.1

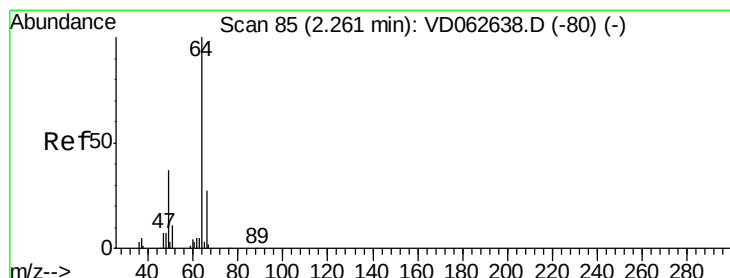
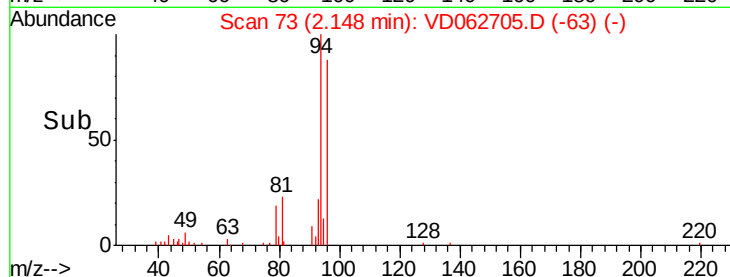
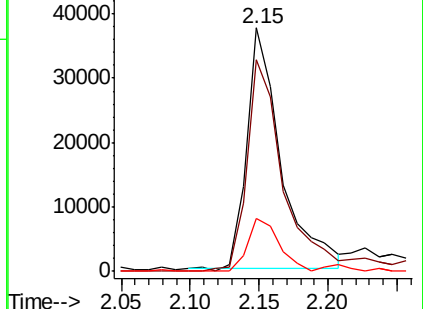
93 21.7 19.6 29.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 20.168 ug/l

RT: 2.27 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062705.D

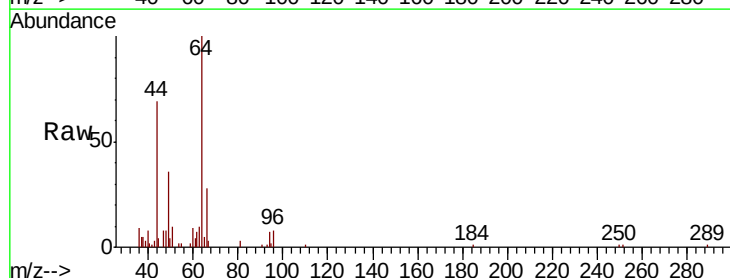
Acq: 14 Jun 2019 12:35

Tgt Ion: 64 Resp: 74919

Ion Ratio Lower Upper

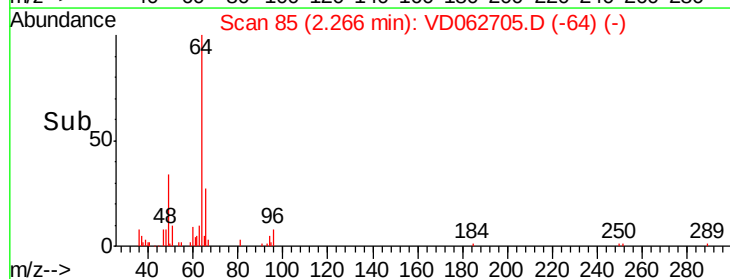
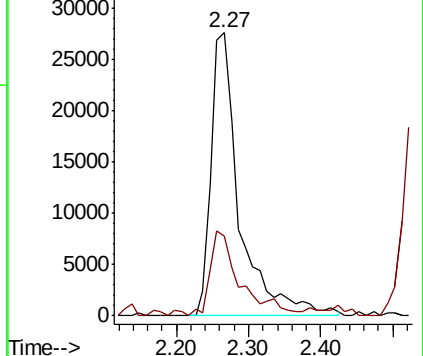
64 100

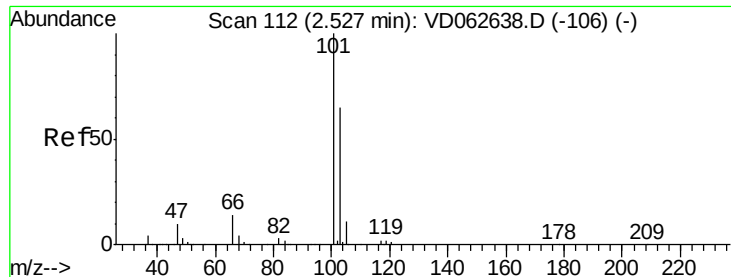
66 28.4 21.9 32.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



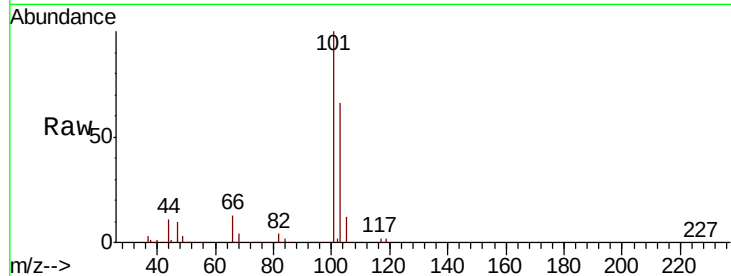


#7

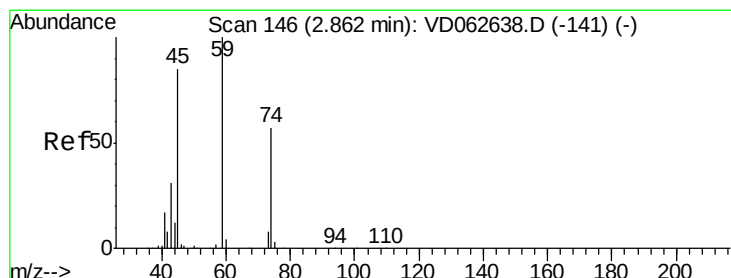
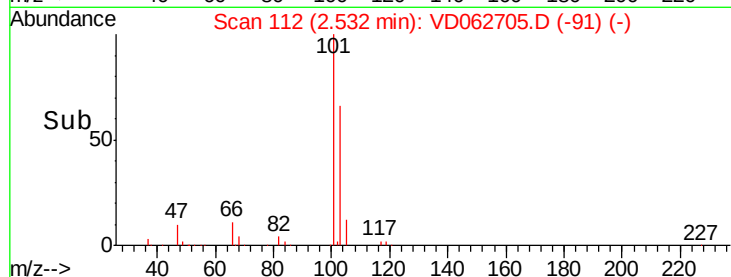
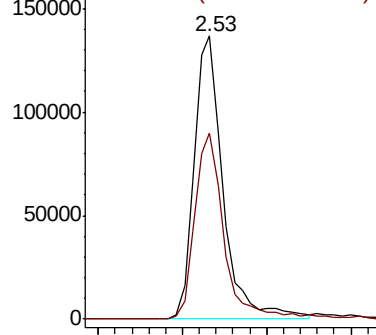
Trichlorofluoromethane
Concen: 19.266 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

Tot Ion:101 Resp: 324440
Ion Ratio Lower Upper
101 100
103 65.5 52.2 78.2



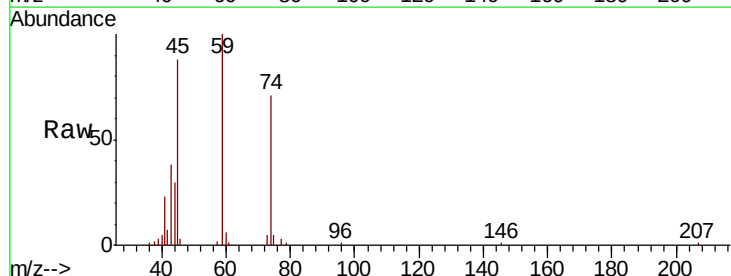
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



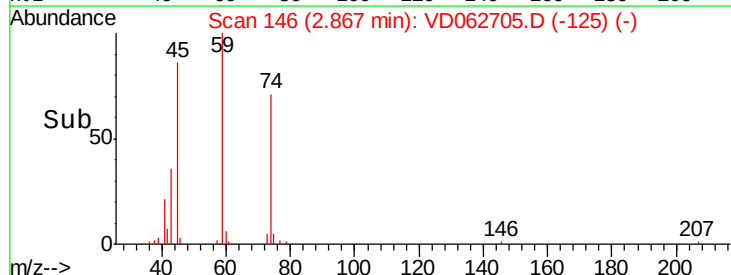
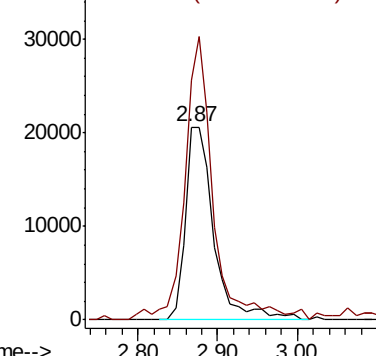
#8

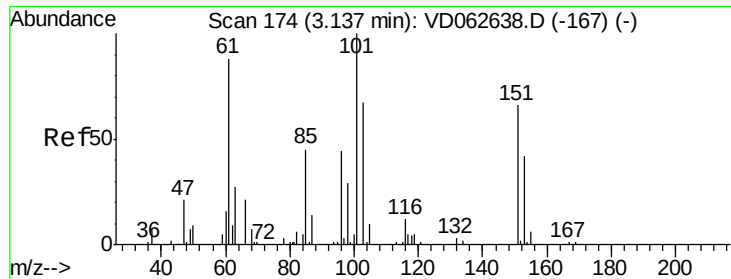
Diethyl Ether
Concen: 22.458 ug/l
RT: 2.87 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion: 74 Resp: 51440
Ion Ratio Lower Upper
74 100
45 124.1 74.9 224.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.527 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

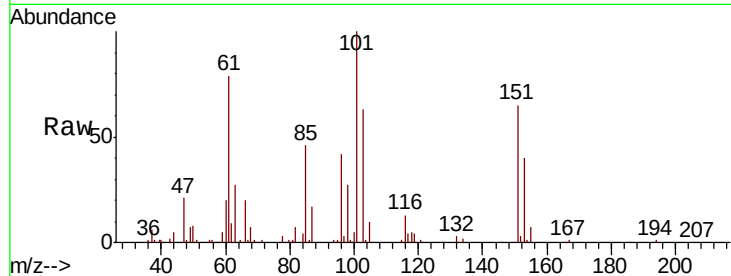
Tot Ion:101 Resp: 195507

Ion Ratio Lower Upper

101 100

85 46.0 36.0 54.0

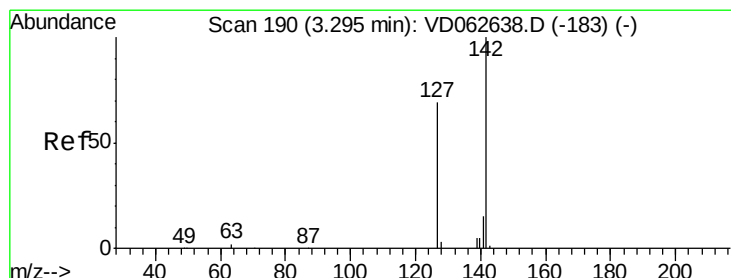
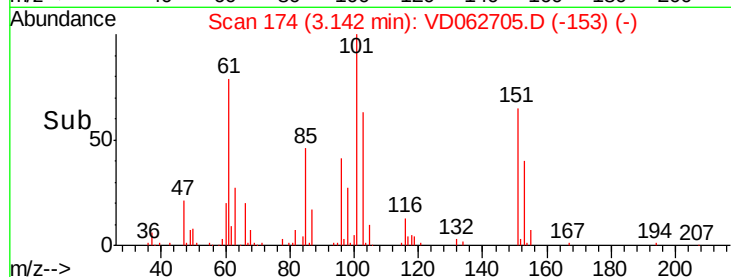
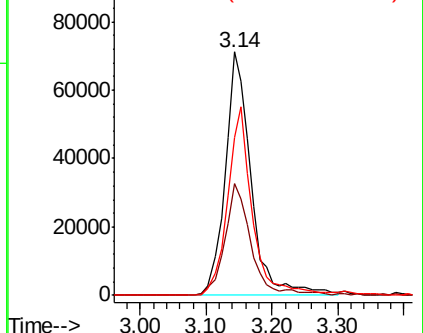
151 65.0 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.821 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

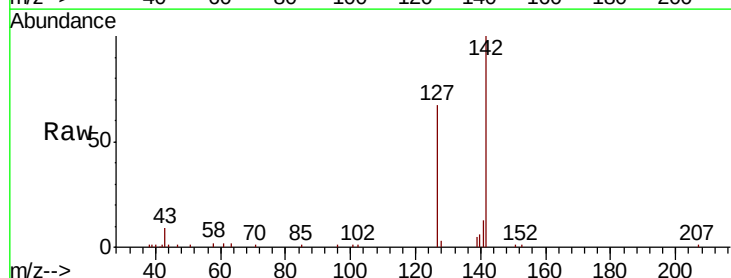
Tgt Ion:142 Resp: 212303

Ion Ratio Lower Upper

142 100

127 66.7 55.2 82.8

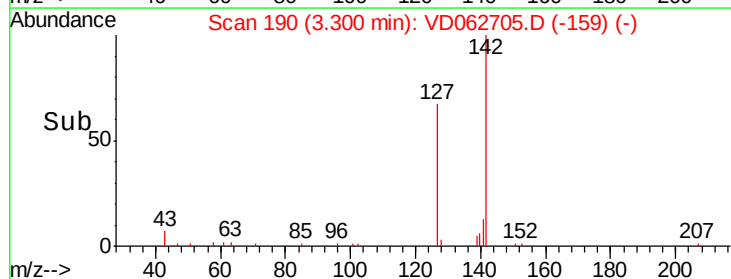
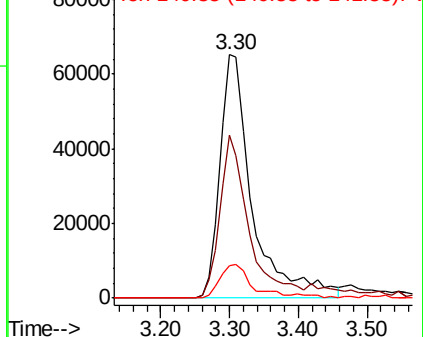
141 13.2 12.1 18.1

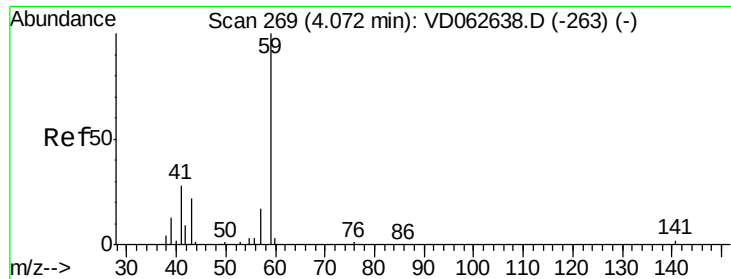


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



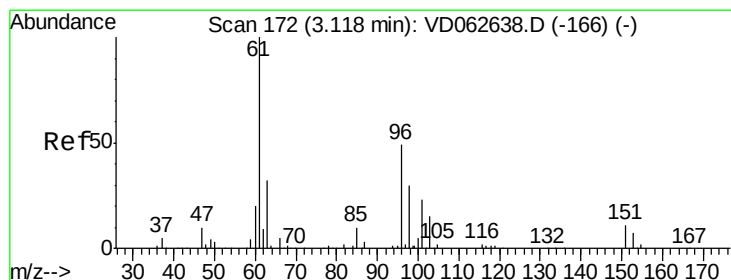
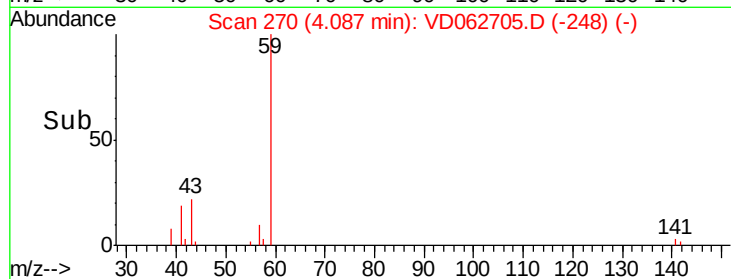
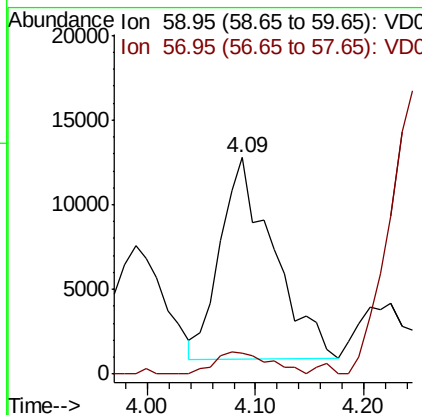
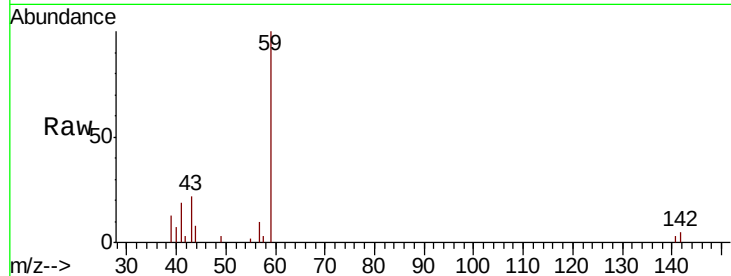


#11

Tert butyl alcohol
 Concen: 93.038 ug/l
 RT: 4.09 min Scan# 270
 Delta R.T. 0.02 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

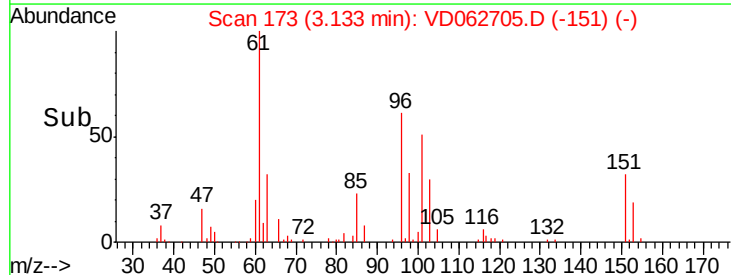
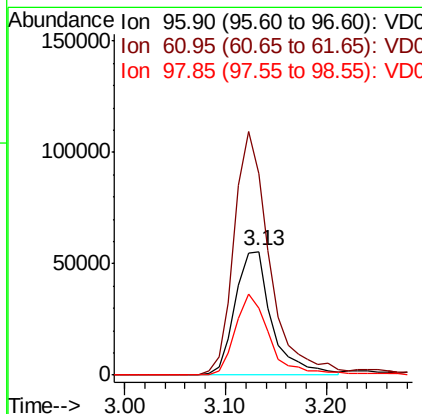
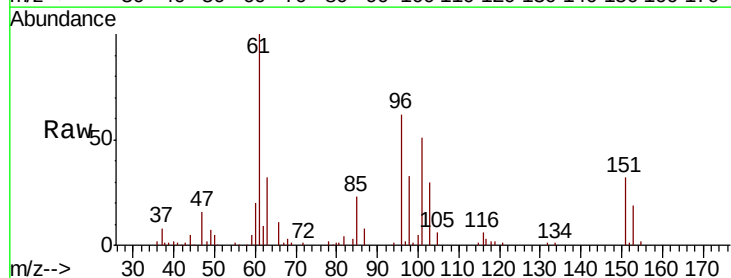
Tot Ion: 59 Resp: 40694
 Ion Ratio Lower Upper
 59 100
 57 12.4 13.7 20.5#

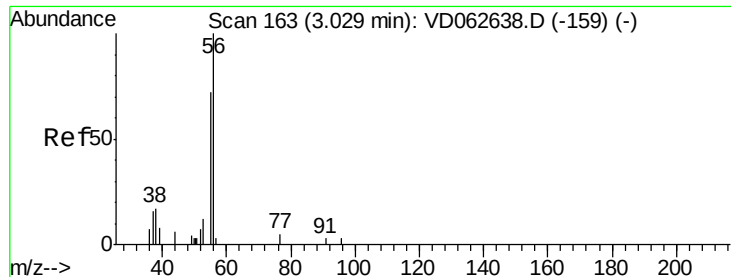


#12

1,1-Dichloroethene
 Concen: 21.630 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.02 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion: 96 Resp: 140979
 Ion Ratio Lower Upper
 96 100
 61 162.2 161.8 242.8
 98 53.8 48.2 72.4





#13

Acrolein

Concen: 88.716 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

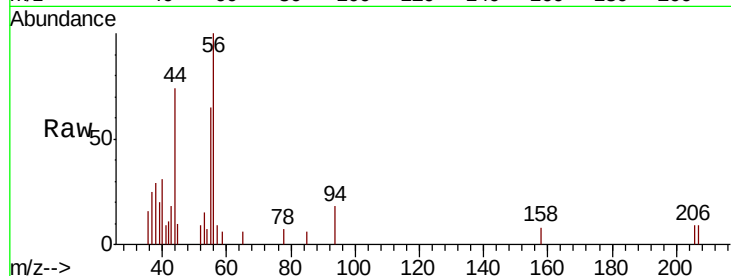
VD0614SBS01

Tot Ion: 56 Resp: 12482

Ion Ratio Lower Upper

56 100

55 64.9 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

6000

5000

4000

3000

2000

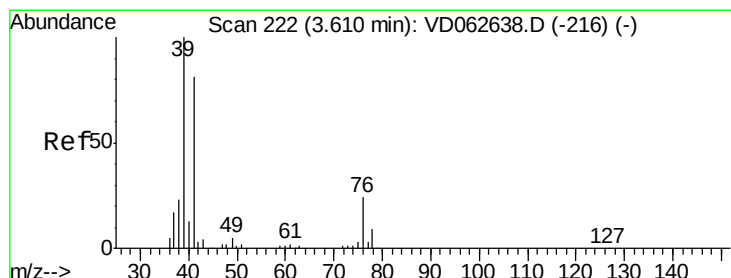
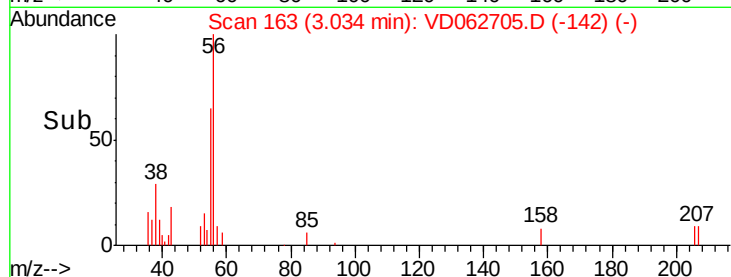
1000

0

Time-->

2.95 3.00 3.05 3.10

3.03



#14

Allyl chloride

Concen: 21.499 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

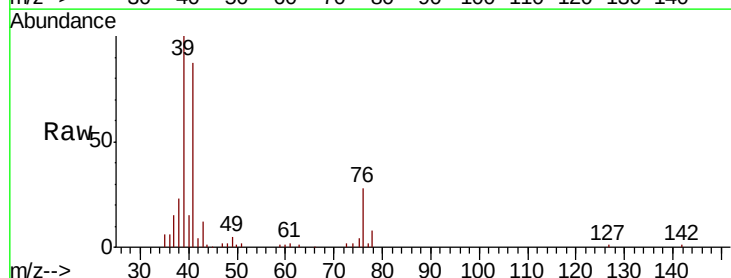
Tgt Ion: 41 Resp: 215456

Ion Ratio Lower Upper

41 100

39 115.3 99.1 148.7

76 32.5 25.0 37.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

120000

100000

80000

60000

40000

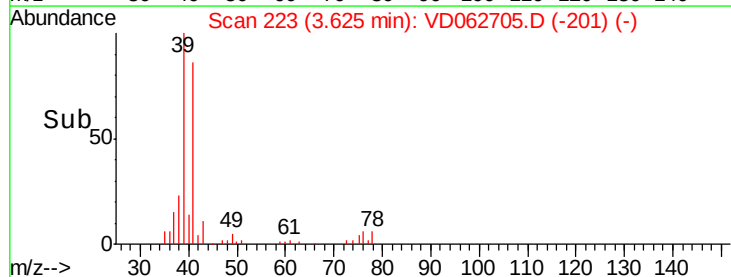
20000

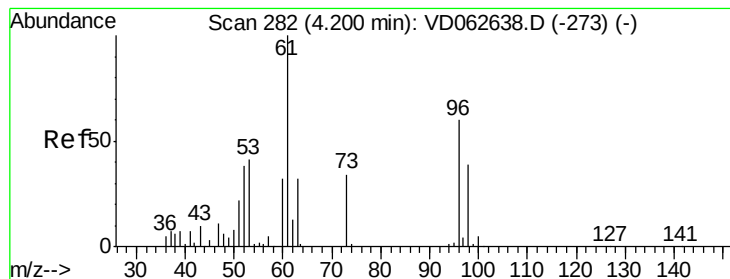
0

Time-->

3.50 3.60 3.70 3.80

3.62





#15

Acrylonitrile

Concen: 105.228 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

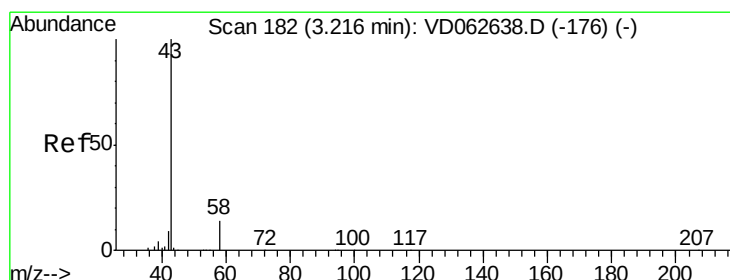
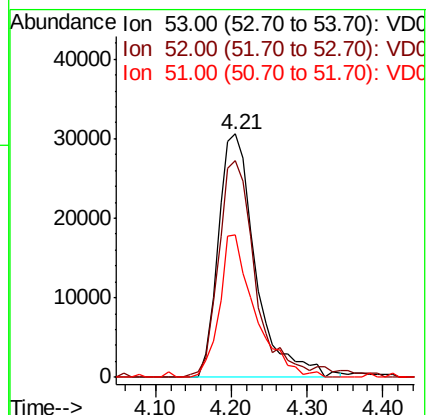
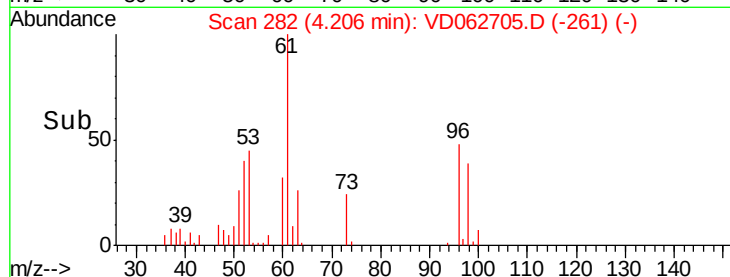
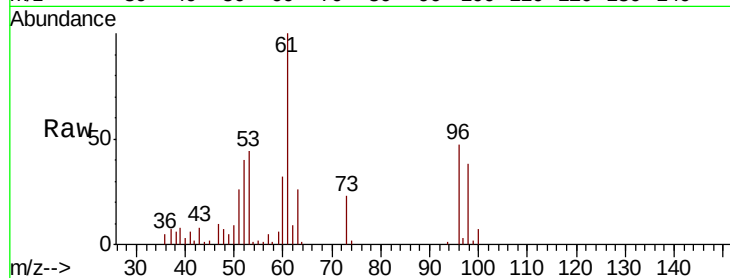
Tot Ion: 53 Resp: 104590

Ion Ratio Lower Upper

53 100

52 89.3 73.6 110.4

51 58.7 42.0 63.0



#16

Acetone

Concen: 94.924 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD062705.D

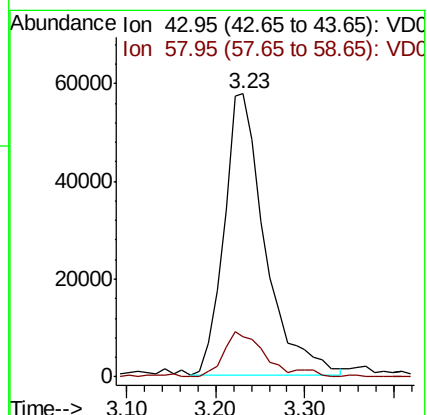
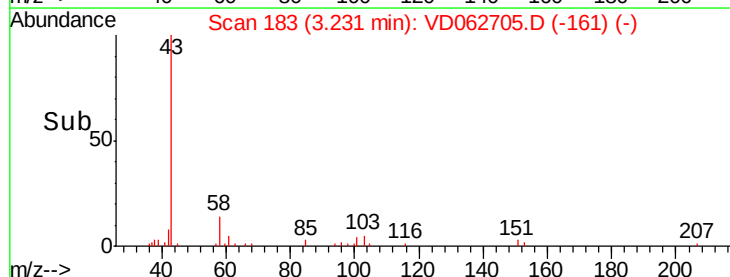
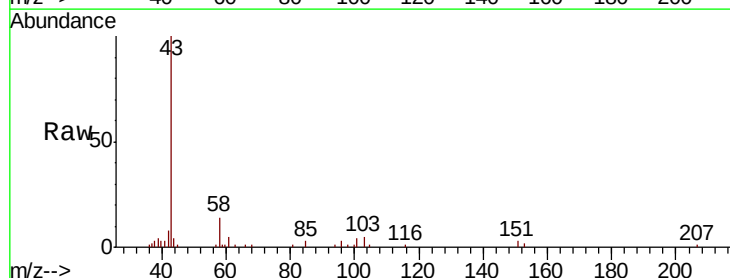
Acq: 14 Jun 2019 12:35

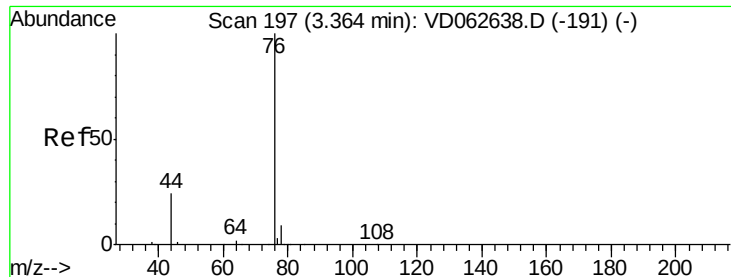
Tgt Ion: 43 Resp: 184960

Ion Ratio Lower Upper

43 100

58 14.0 10.8 16.2





#17

Carbon Disulfide

Concen: 18.478 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

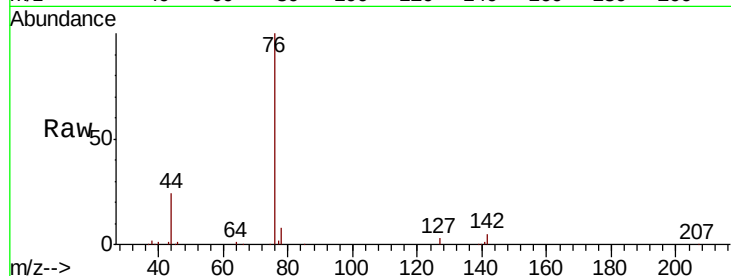
VD0614SBS01

Tot Ion: 76 Resp: 354901

Ion Ratio Lower Upper

76 100

78 7.6 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

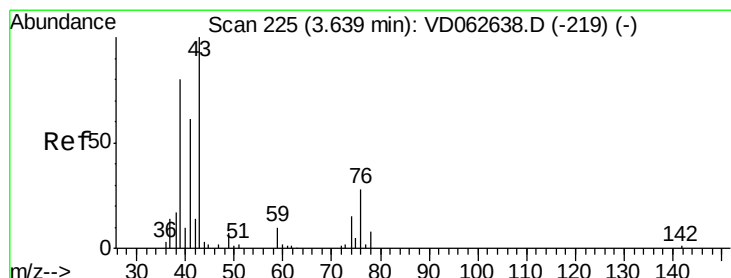
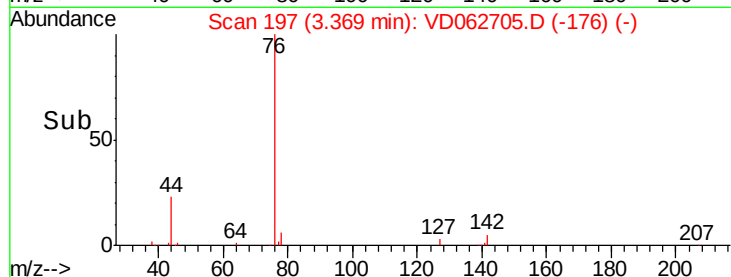
150000

100000

50000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 22.310 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD062705.D

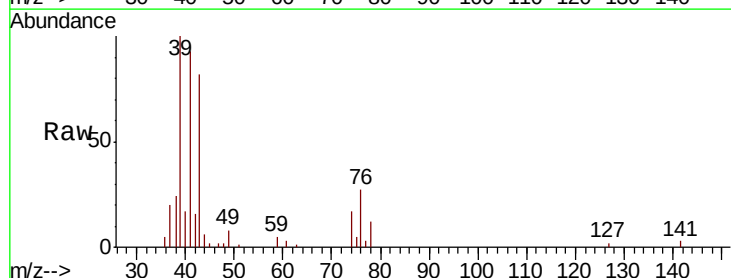
Acq: 14 Jun 2019 12:35

Tgt Ion: 43 Resp: 71440

Ion Ratio Lower Upper

43 100

74 21.2 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

25000

20000

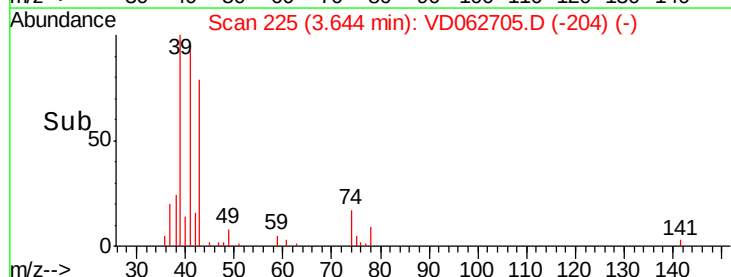
15000

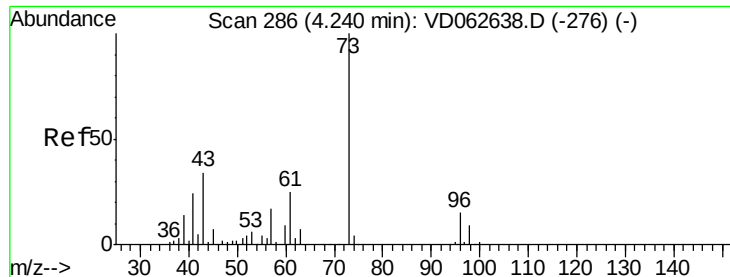
10000

5000

0

Time--> 3.50 3.60 3.70 3.80

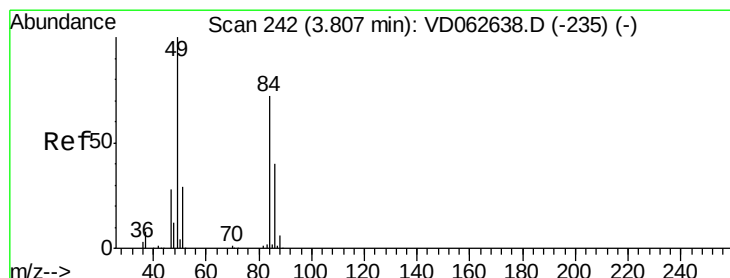
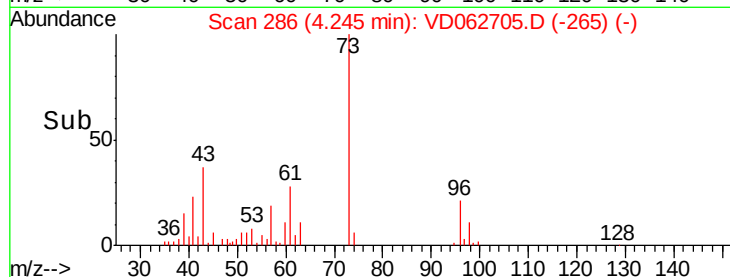
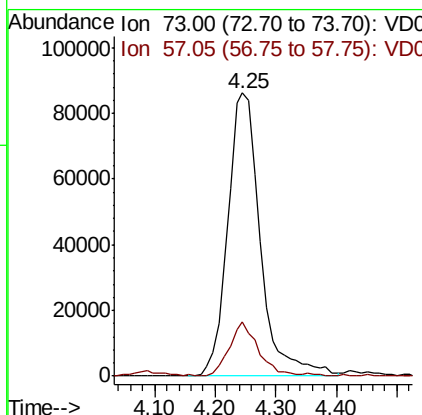
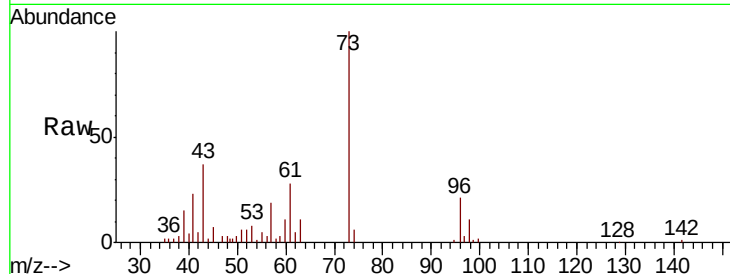




#19
Methvl tert-butvl Ether
Concen: 20.312 ug/l
RT: 4.25 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

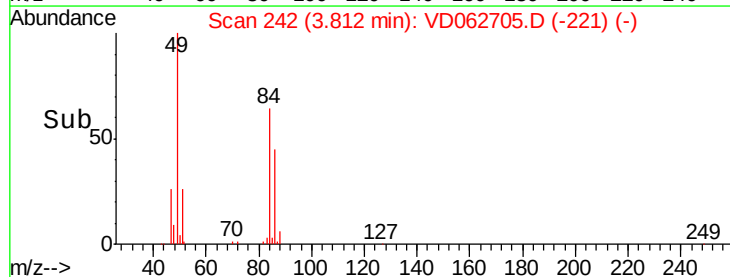
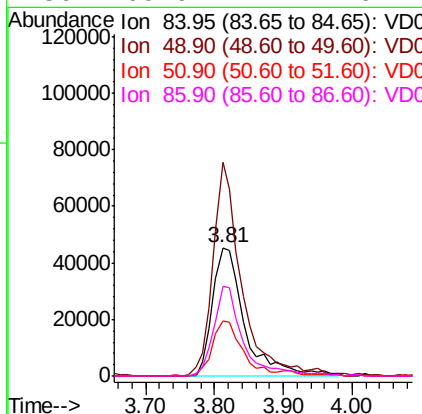
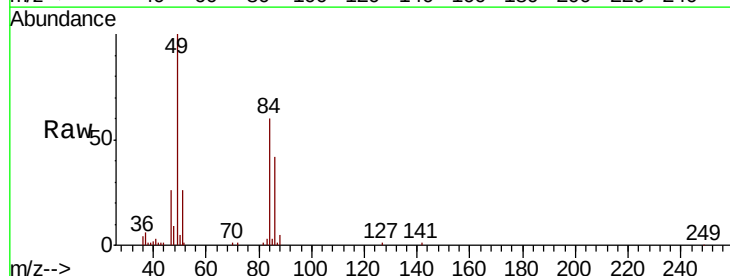
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

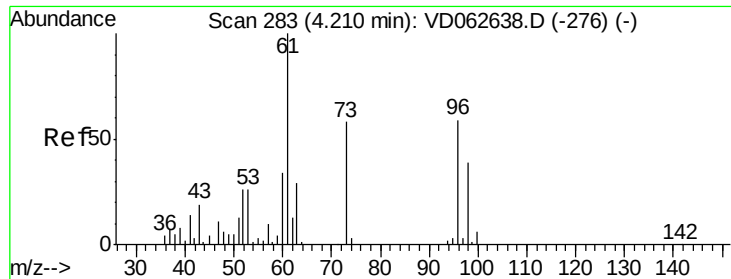
Tot Ion: 73 Resp: 322878
Ion Ratio Lower Upper
73 100
57 19.4 13.5 20.3



#20
Methylene Chloride
Concen: 19.690 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion: 84 Resp: 146927
Ion Ratio Lower Upper
84 100
49 166.8 111.2 166.8#
51 43.0 31.9 47.9
86 69.9 44.7 67.1#





#21

trans-1,2-Dichloroethene

Concen: 19.929 ug/l

RT: 4.22 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

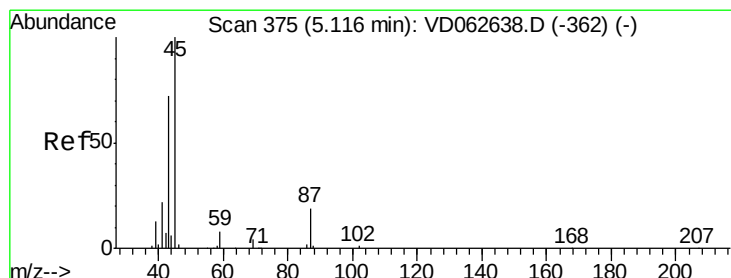
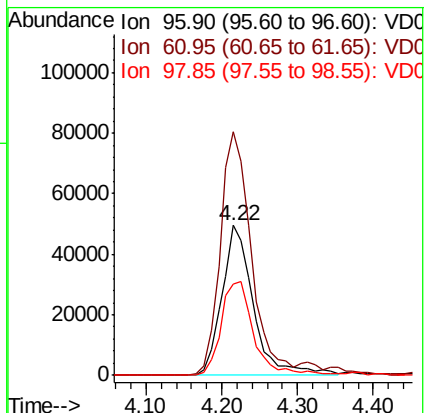
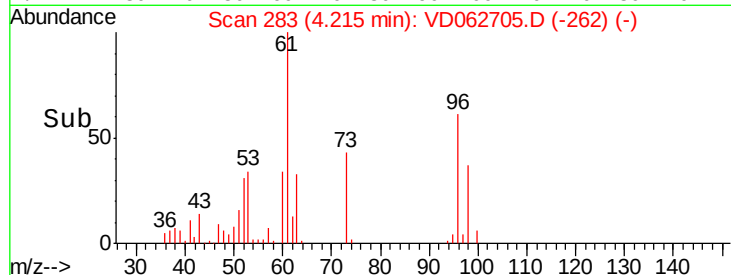
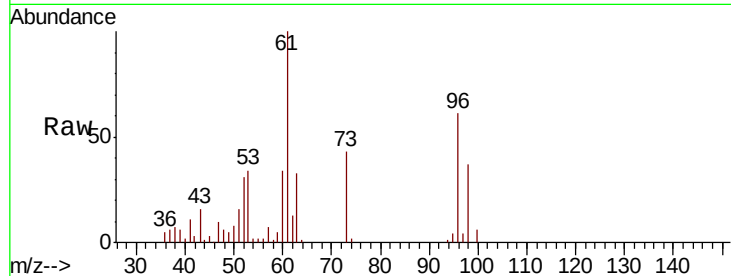
Tot Ion: 96 Resp: 142480

Ion Ratio Lower Upper

96 100

61 162.6 134.6 201.8

98 60.7 51.8 77.8



#22

Diisopropyl ether

Concen: 20.130 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Tgt Ion: 45 Resp: 418885

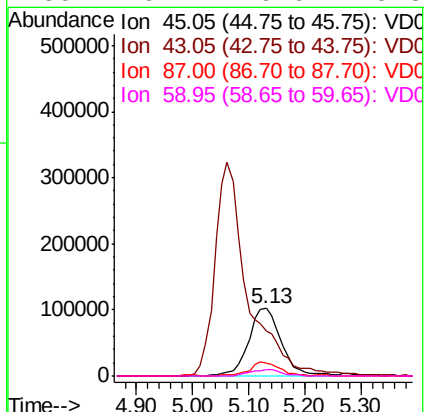
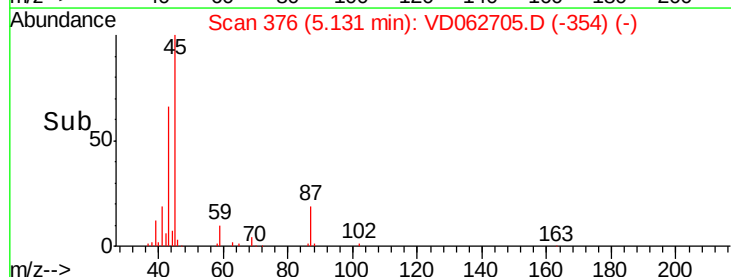
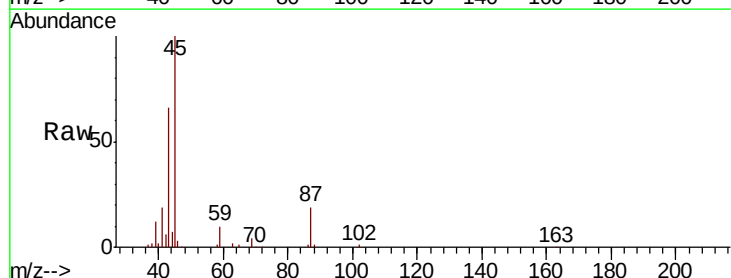
Ion Ratio Lower Upper

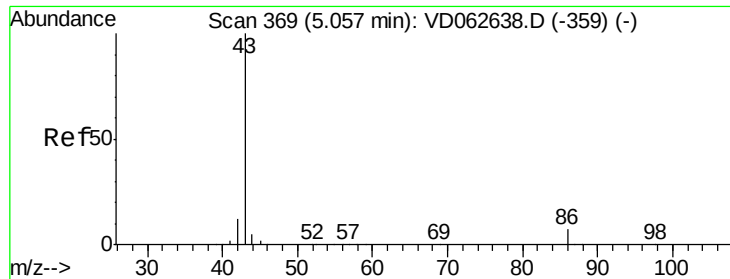
45 100

43 65.9 58.8 88.2

87 18.5 15.7 23.5

59 10.1 6.6 9.8#

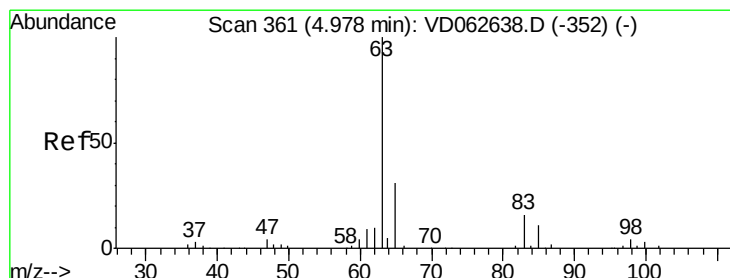
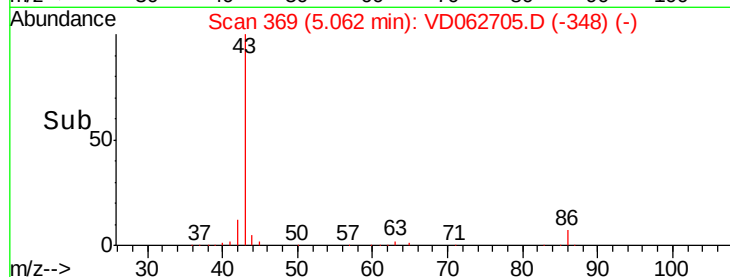
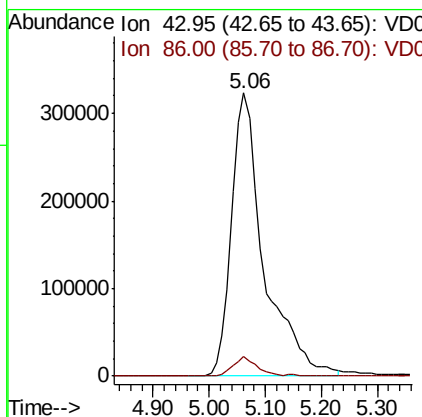
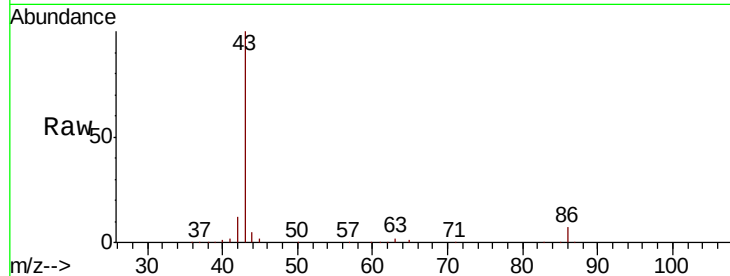




#23
 Vinyl Acetate
 Concen: 100.970 ug/l
 RT: 5.06 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

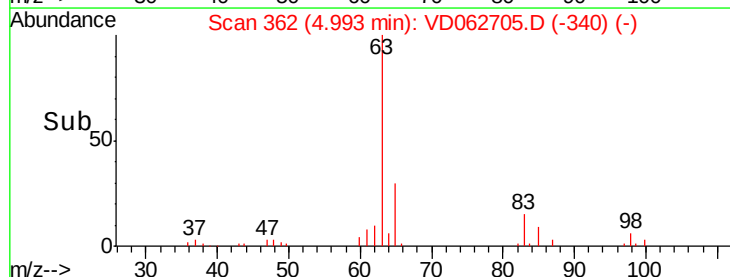
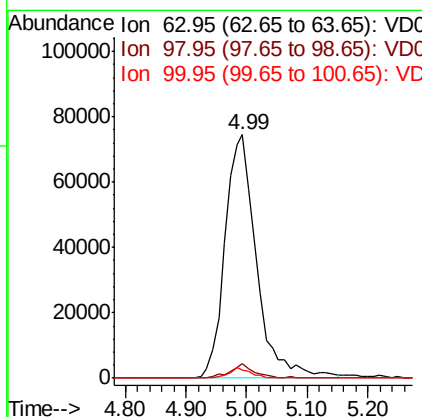
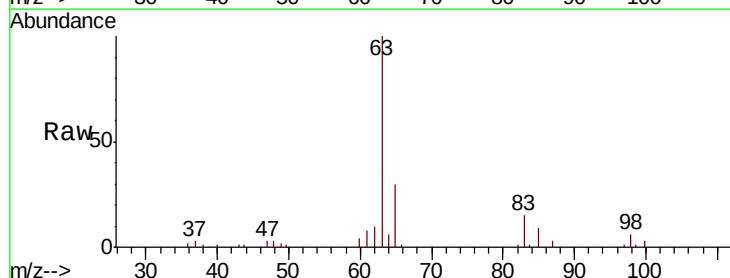
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

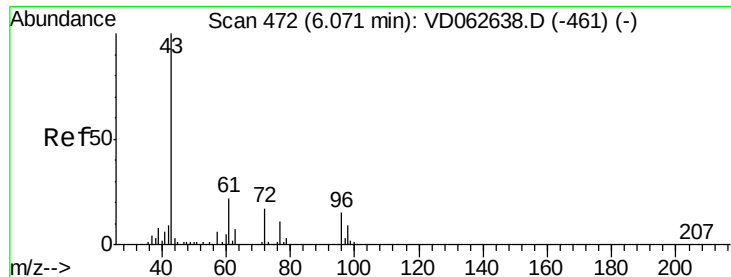
Tot Ion: 43 Resp: 1303460
 Ion Ratio Lower Upper
 43 100
 86 6.9 5.3 7.9



#24
 1,1-Dichloroethane
 Concen: 20.086 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. 0.02 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion: 63 Resp: 268887
 Ion Ratio Lower Upper
 63 100
 98 6.4 1.8 5.4#
 100 3.1 1.5 4.4





#25

2-Butanone

Concen: 89.807 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

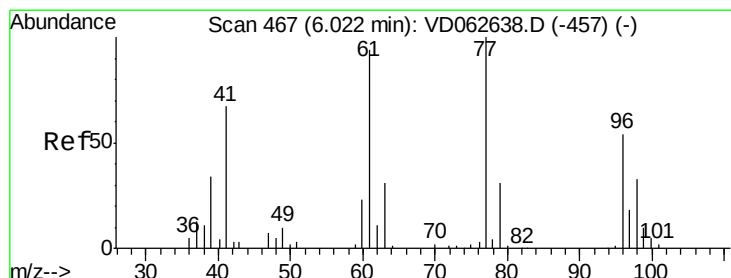
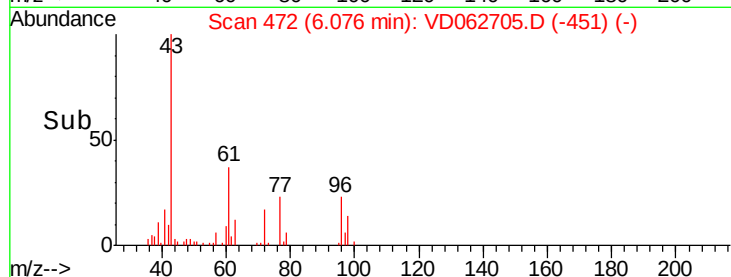
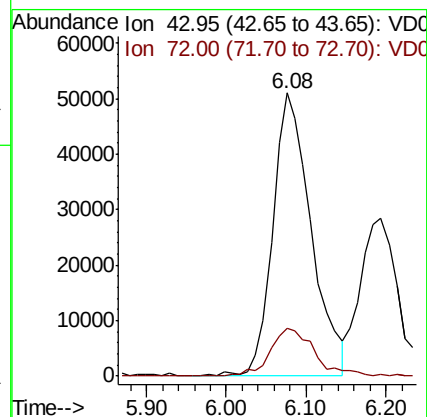
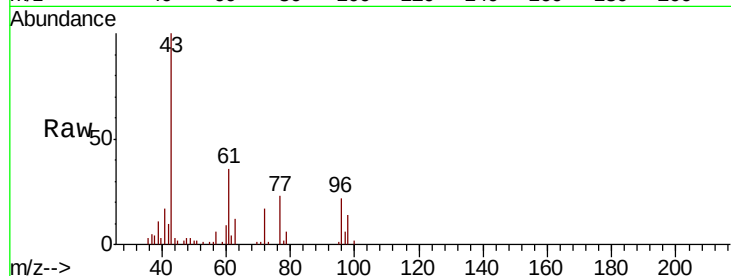
VD0614SBS01

Tot Ion: 43 Resp: 170716

Ion Ratio Lower Upper

43 100

72 17.1 13.5 20.3



#26

2,2-Dichloropropane

Concen: 20.882 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD062705.D

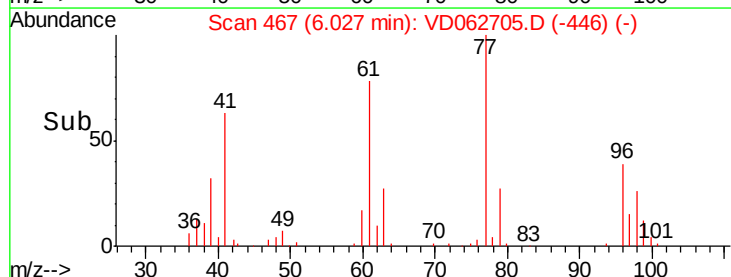
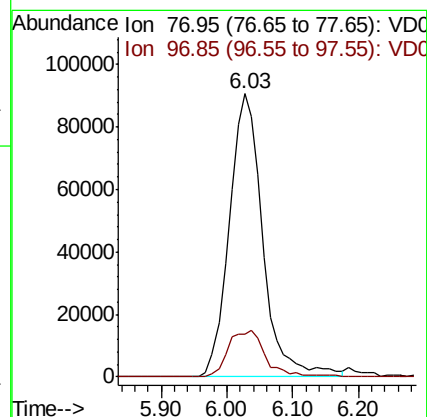
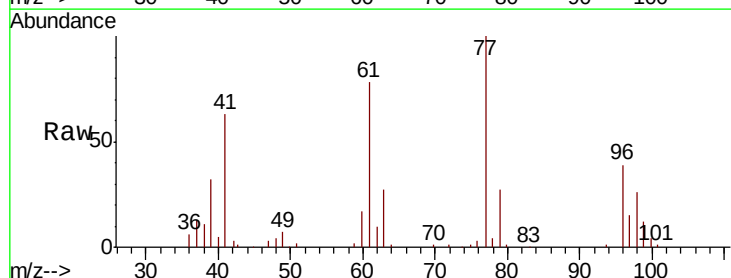
Acq: 14 Jun 2019 12:35

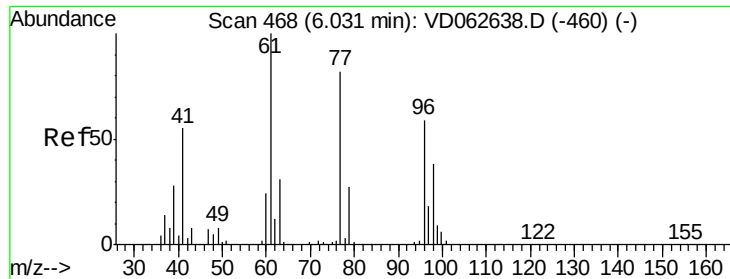
Tgt Ion: 77 Resp: 322180

Ion Ratio Lower Upper

77 100

97 15.1 8.8 26.5



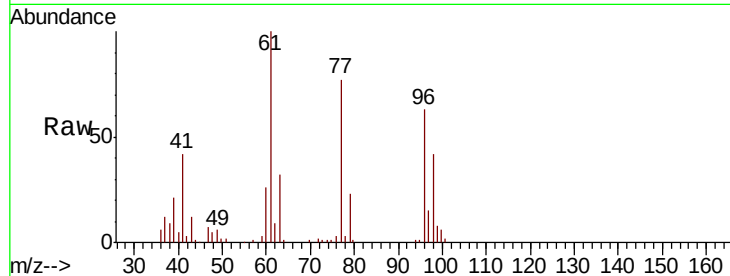


#27

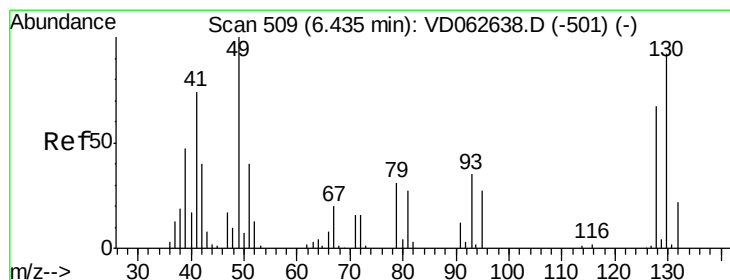
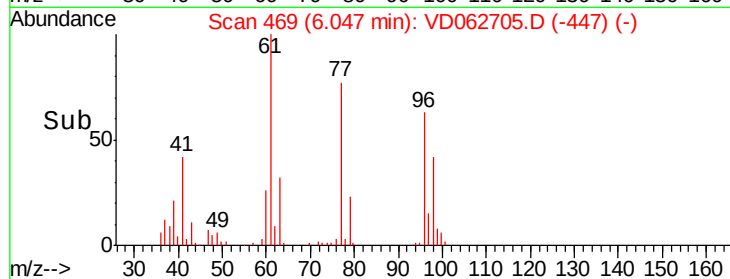
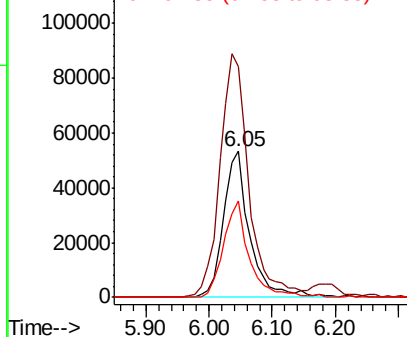
cis-1,2-Dichloroethene
 Concen: 19.746 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Tot Ion: 96 Resp: 153041
 Ion Ratio Lower Upper
 96 100
 61 157.7 0.0 340.0
 98 65.9 0.0 127.6



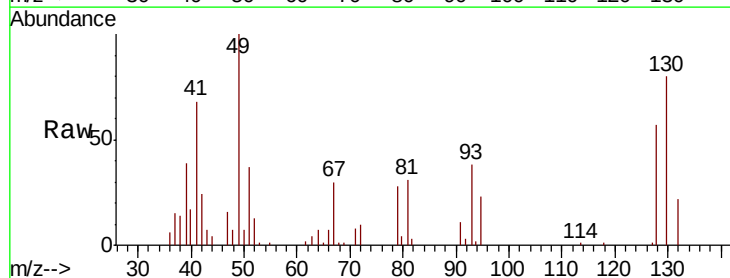
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



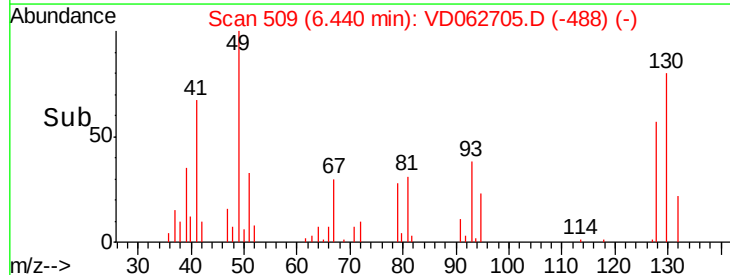
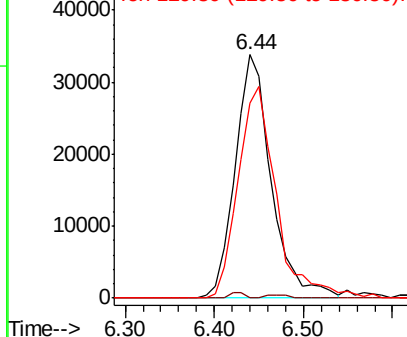
#28

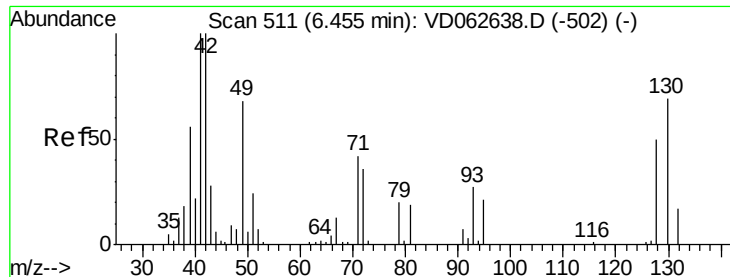
Bromochloromethane
 Concen: 18.606 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion: 49 Resp: 95212
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 8.2
 130 79.9 73.4 110.0



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





#29

Tetrahydrofuran

Concen: 92.611 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

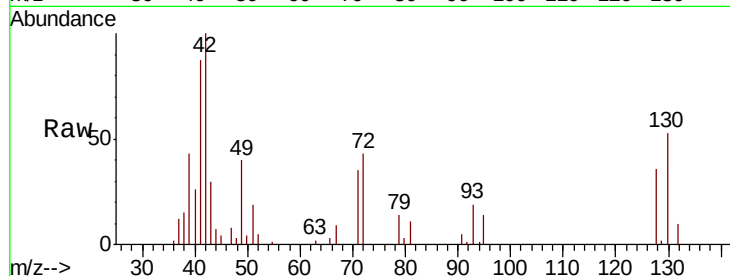
Tot Ion: 42 Resp: 79279

Ion Ratio Lower Upper

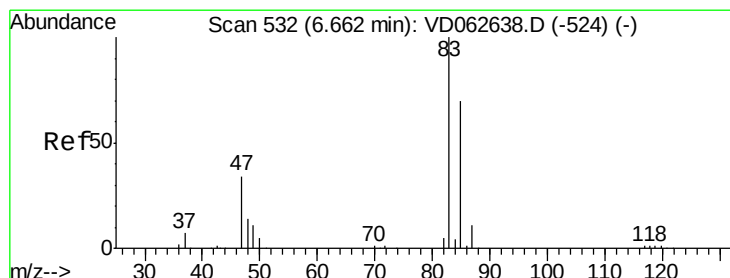
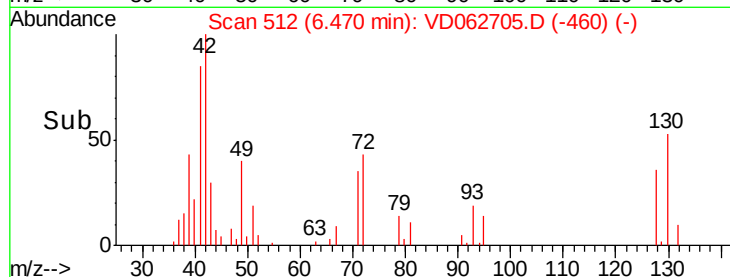
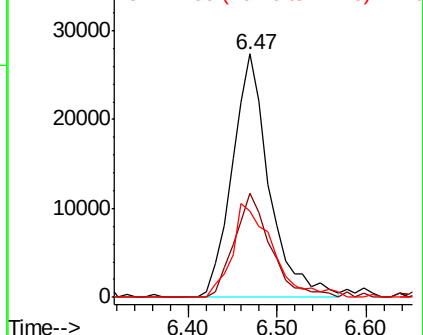
42 100

72 41.7 33.8 50.6

71 42.4 34.2 51.4



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



#30

Chloroform

Concen: 20.598 ug/l

RT: 6.67 min Scan# 532

Delta R.T. 0.01 min

Lab File: VD062705.D

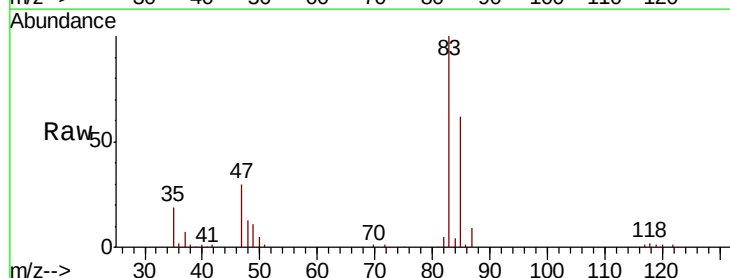
Acq: 14 Jun 2019 12:35

Tgt Ion: 83 Resp: 353770

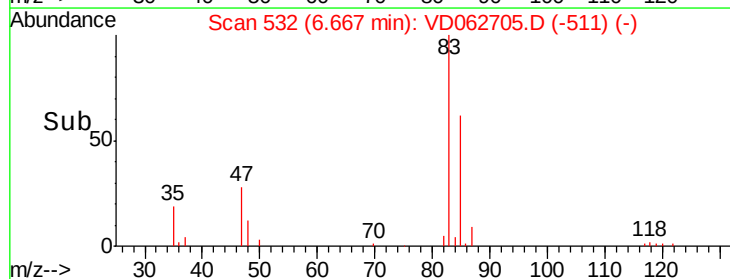
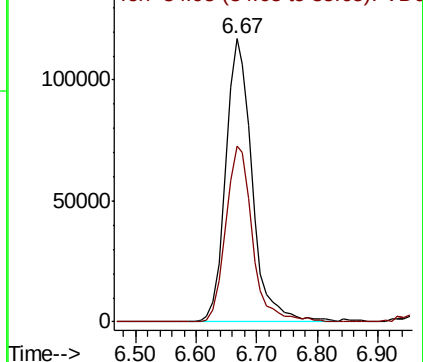
Ion Ratio Lower Upper

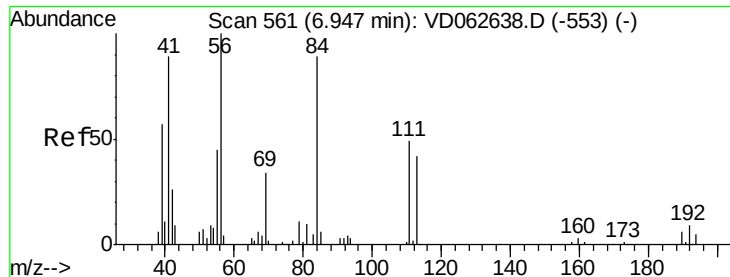
83 100

85 62.2 55.8 83.6



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

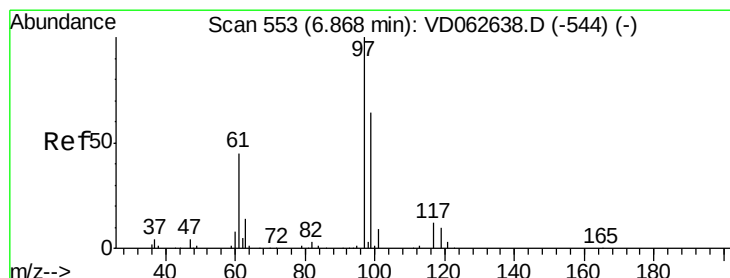
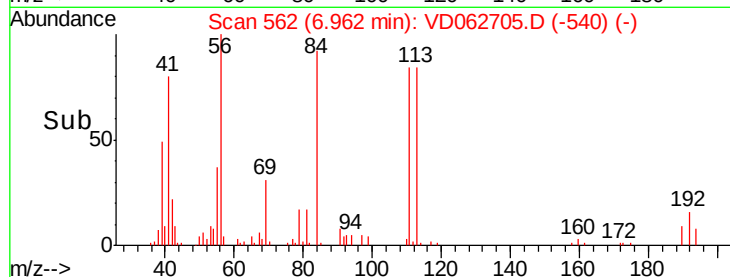
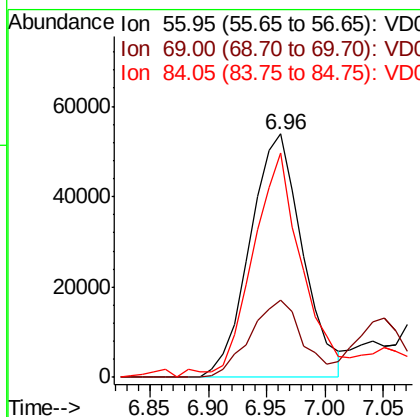
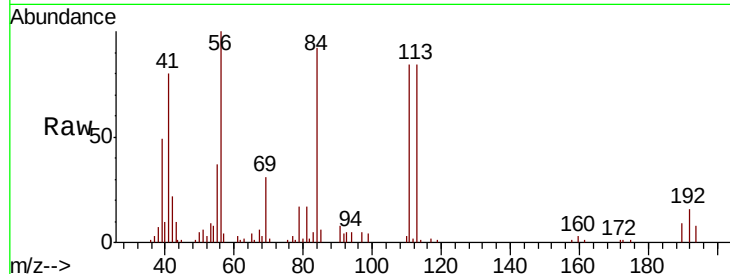




#31
Cyclohexane
Concen: 20.044 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.02 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

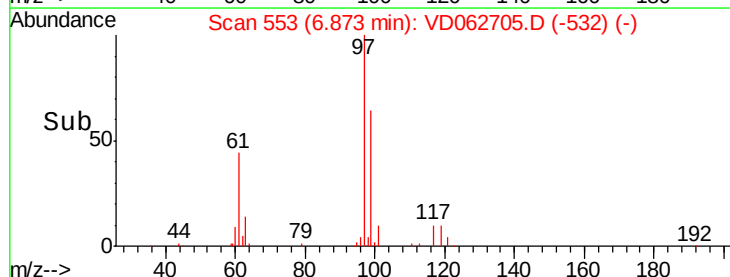
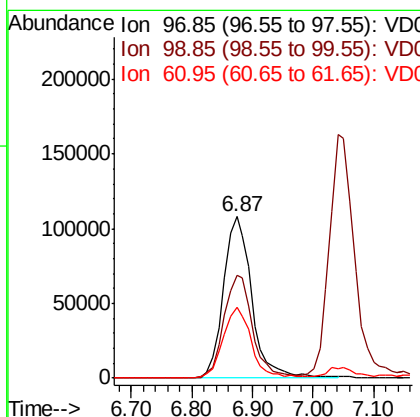
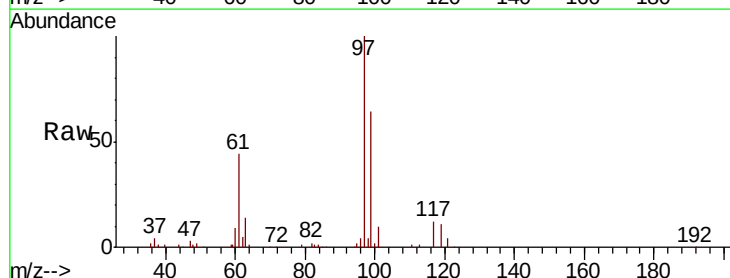
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

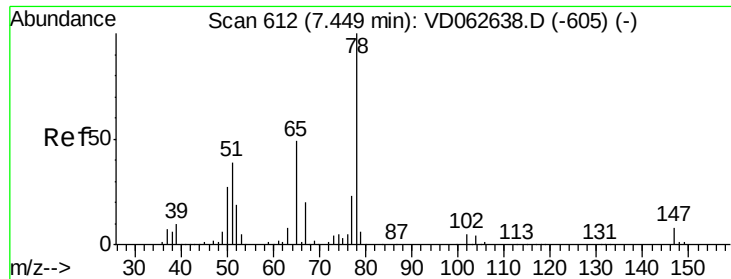
Tot Ion: 56 Resp: 168313
Ion Ratio Lower Upper
56 100
69 31.5 26.8 40.2
84 92.2 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 20.457 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion: 97 Resp: 349616
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.0
61 44.0 35.6 53.4

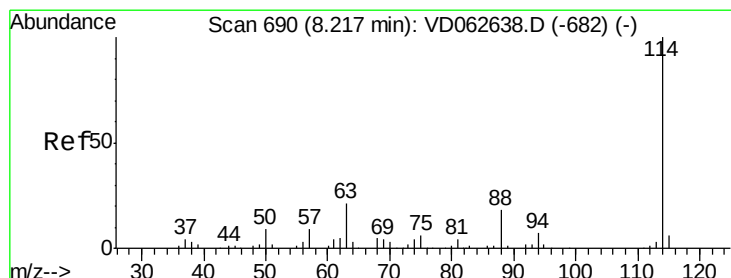
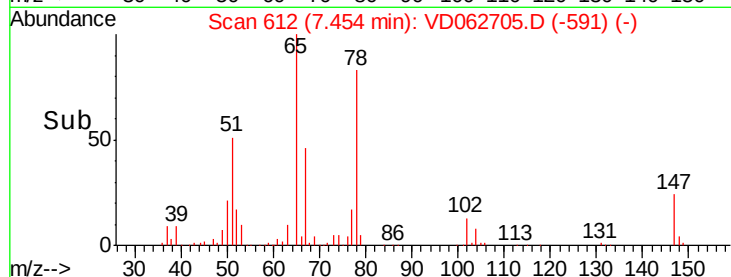
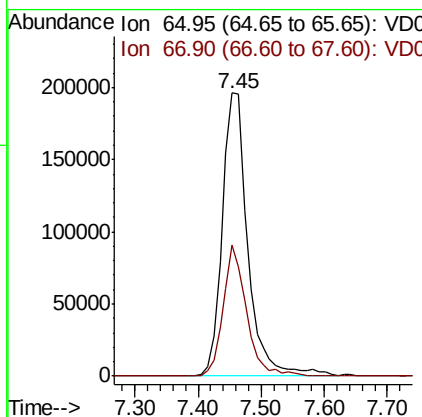
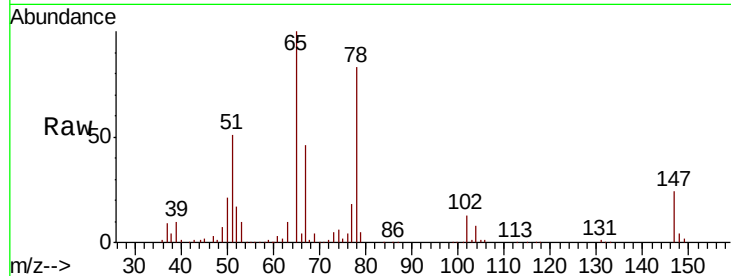




#33
 1,2-Dichloroethane-d4
 Concen: 52.156 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

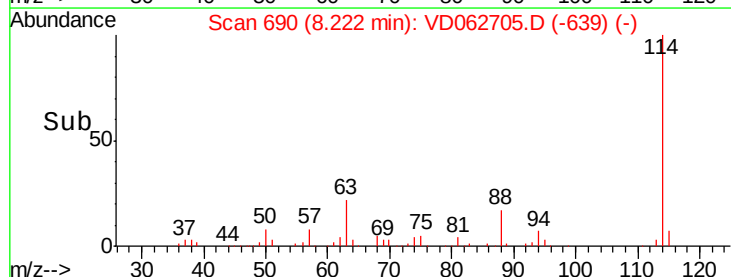
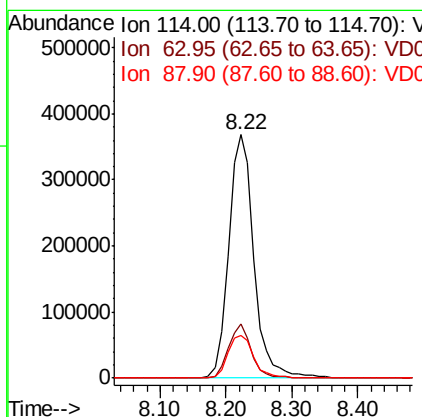
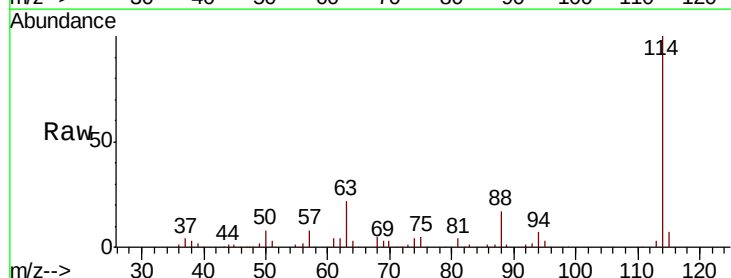
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

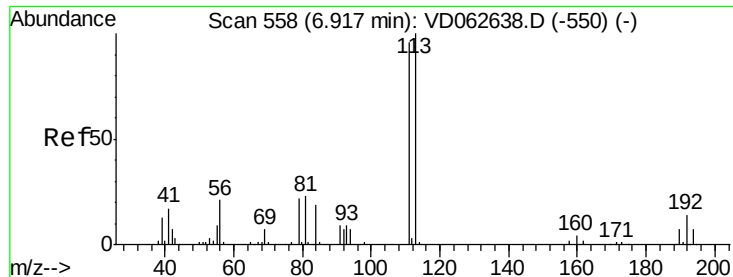
Tot Ion: 65 Resp: 554978
 Ion Ratio Lower Upper
 65 100
 67 46.2 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion: 114 Resp: 981127
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 42.4
 88 17.3 0.0 36.8





#35

Dibromofluoromethane

Concen: 52.736 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

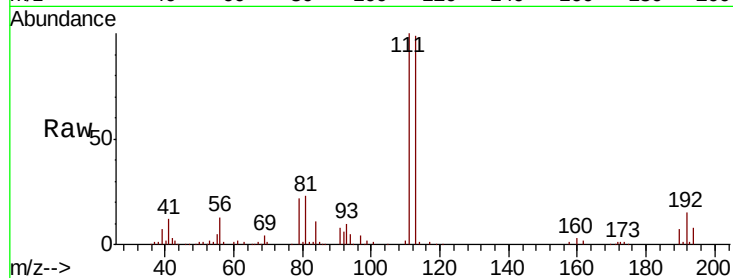
Tot Ion:113 Resp: 545673

Ion Ratio Lower Upper

113 100

111 101.5 76.4 114.6

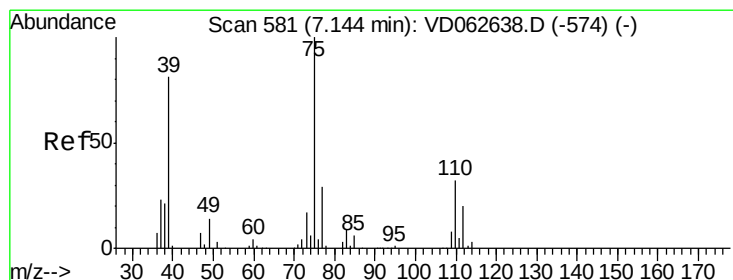
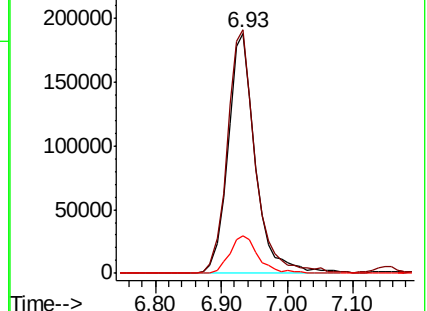
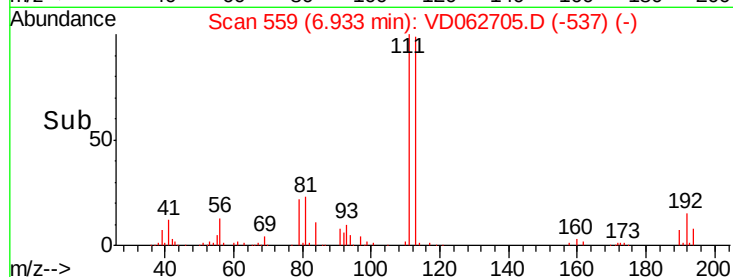
192 15.4 11.4 17.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.455 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

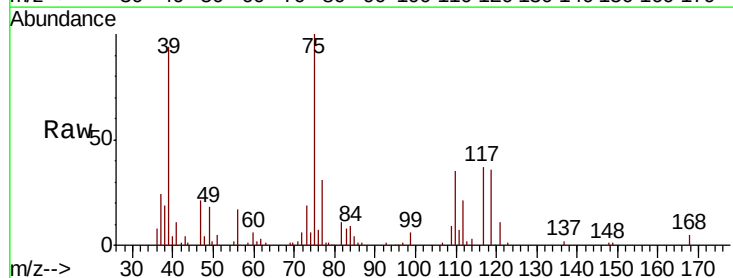
Tgt Ion: 75 Resp: 218459

Ion Ratio Lower Upper

75 100

110 34.9 15.9 47.7

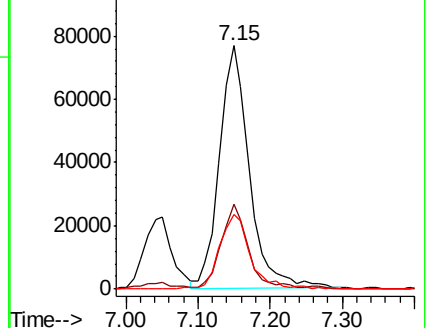
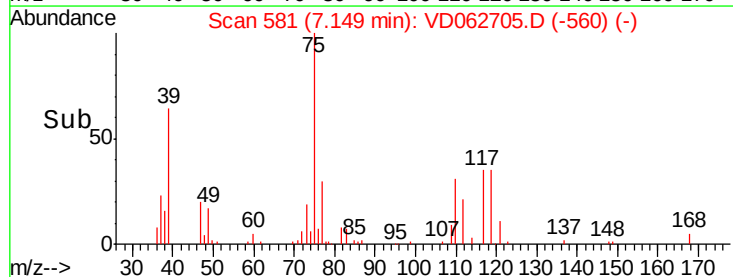
77 30.6 23.3 34.9

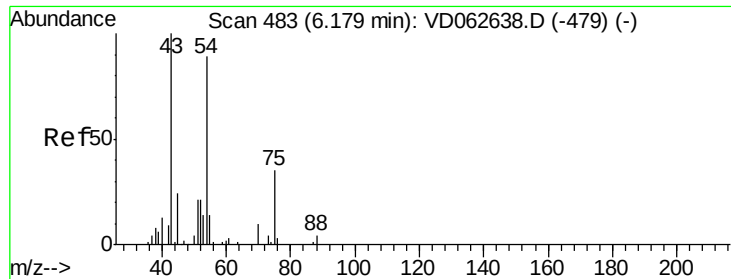


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

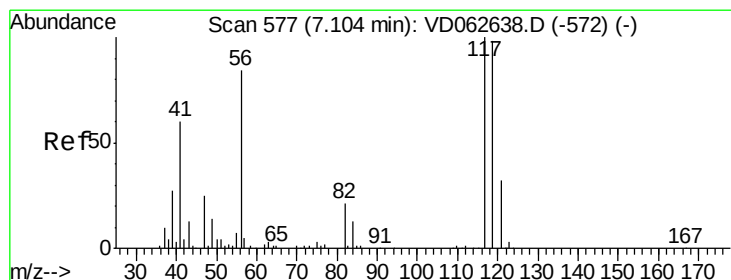
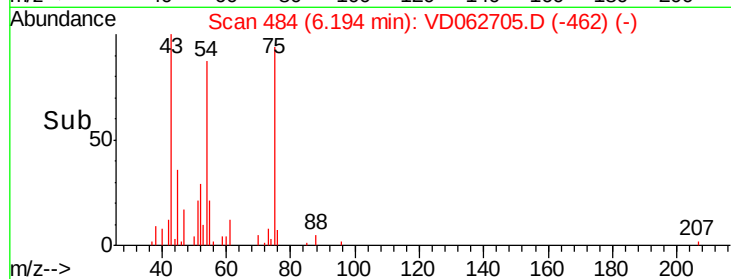
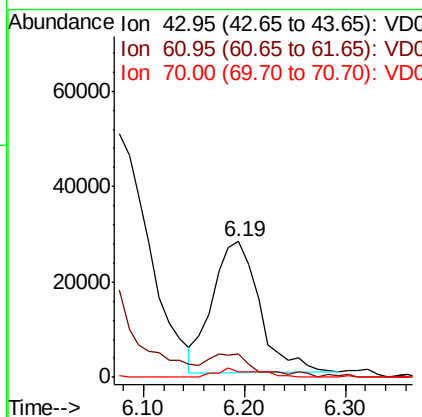
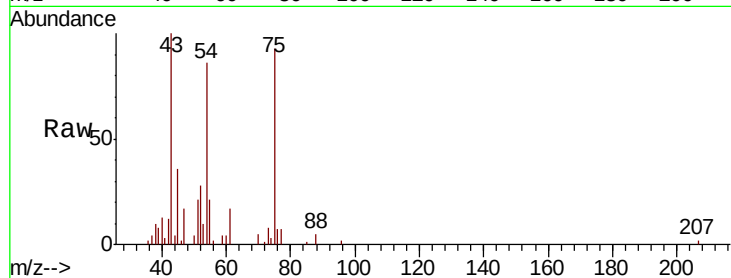




#37
Ethyl Acetate
Concen: 19.402 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

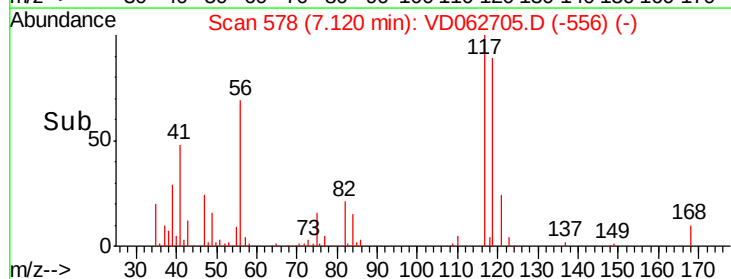
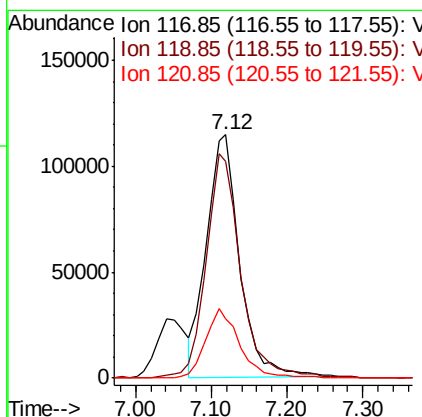
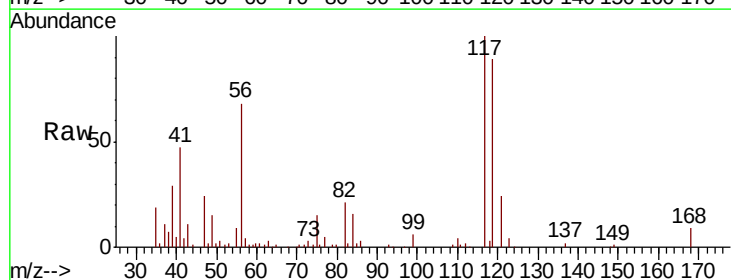
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

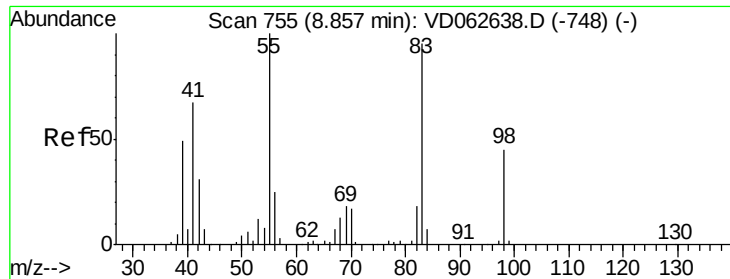
Tot Ion: 43 Resp: 89289
Ion Ratio Lower Upper
43 100
61 16.8 8.7 13.1#
70 4.5 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 19.612 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion: 117 Resp: 348079
Ion Ratio Lower Upper
117 100
119 89.2 73.5 110.3
121 24.1 24.2 36.4#

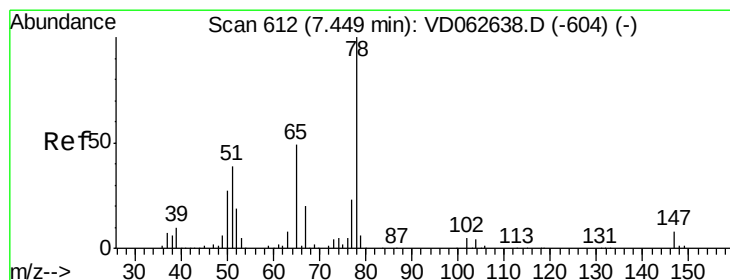
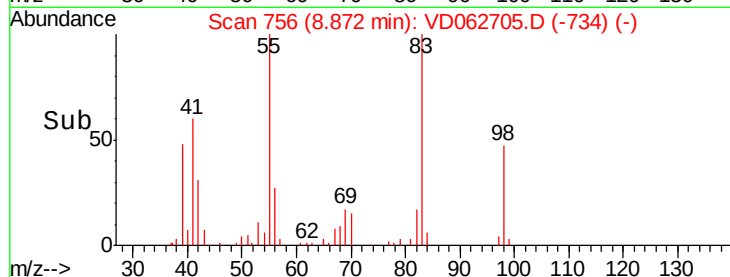
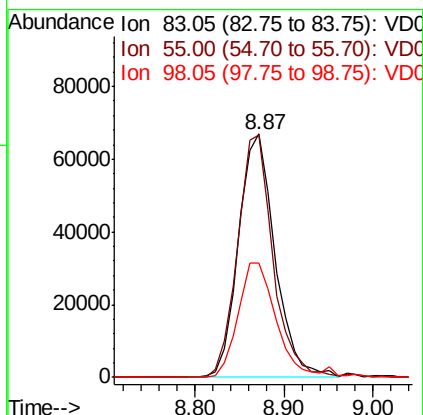
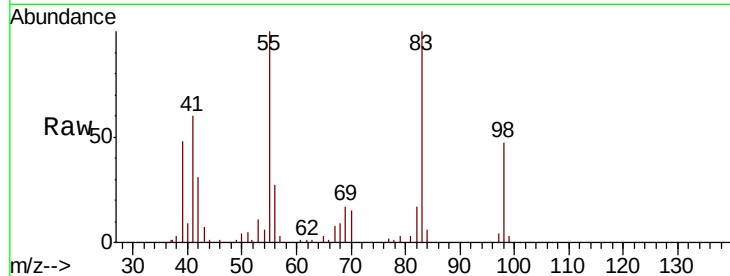




#39
Methylvlcyclohexane
Concen: 20.850 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.02 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

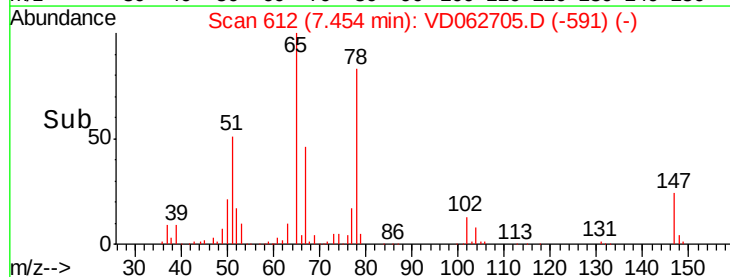
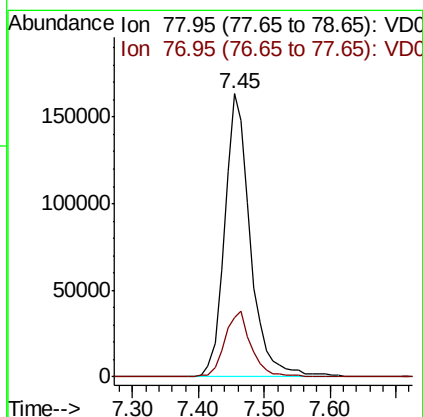
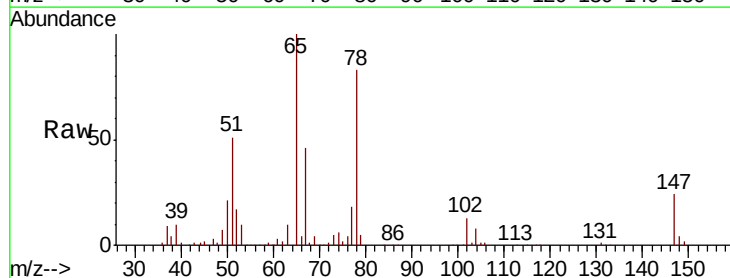
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

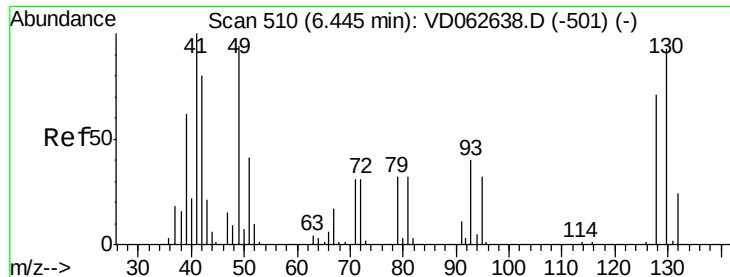
Tot Ion: 83 Resp: 189192
Ion Ratio Lower Upper
83 100
55 99.7 84.6 127.0
98 46.9 38.2 57.4



#40
Benzene
Concen: 20.319 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion: 78 Resp: 445568
Ion Ratio Lower Upper
78 100
77 21.0 18.6 28.0

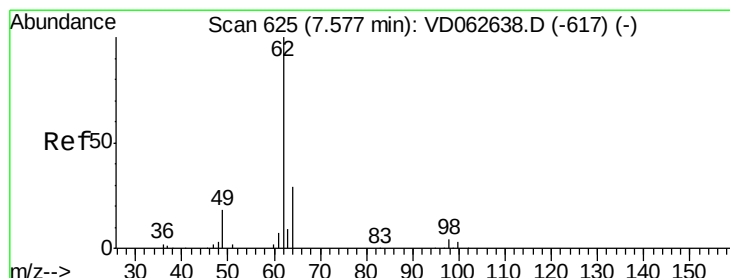
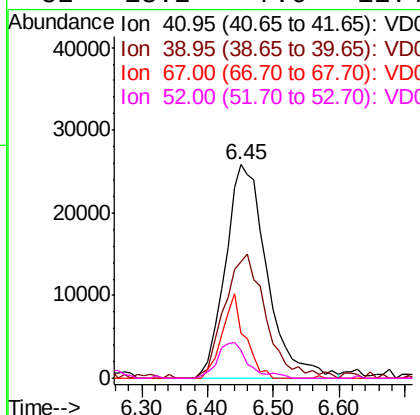
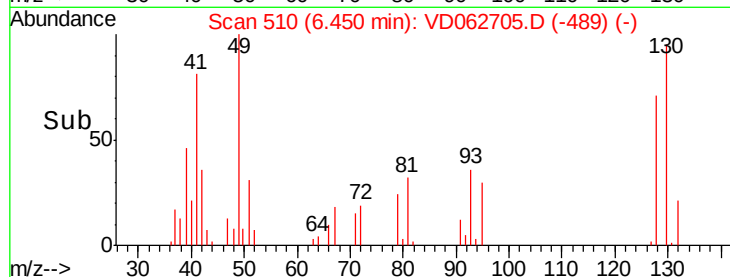
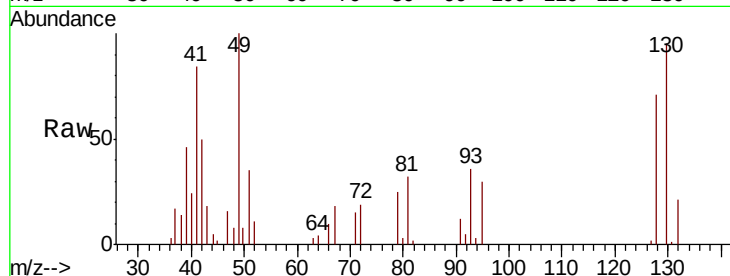




#41
Methacrylonitrile
Concen: 19.331 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

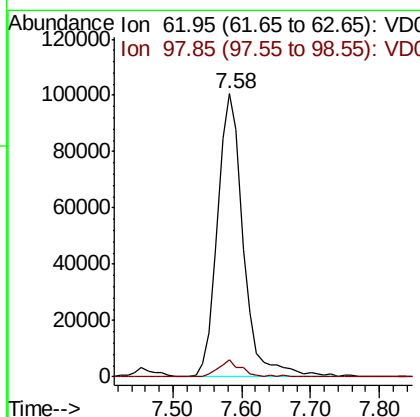
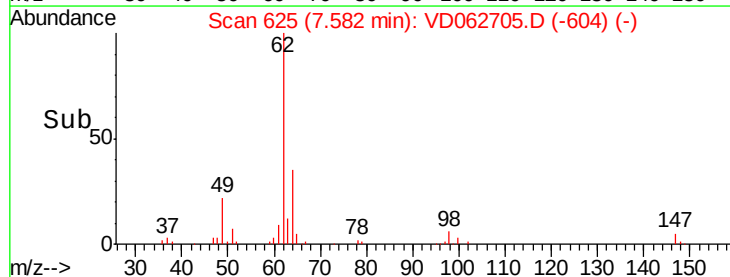
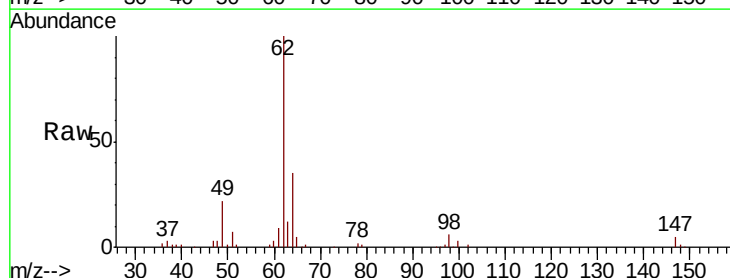
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

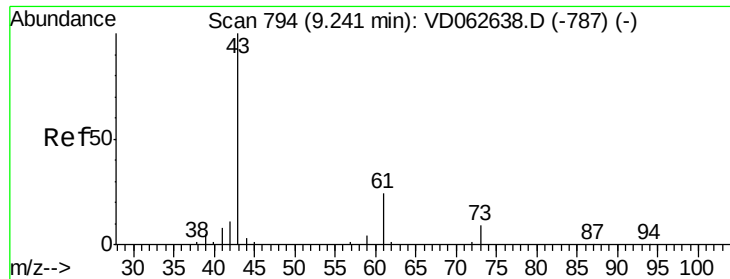
Tot Ion: 41 Resp: 113632
Ion Ratio Lower Upper
41 100
39 54.8 49.2 73.8
67 21.0 13.9 20.9#
52 13.2 7.6 11.4#



#42
1,2-Dichloroethane
Concen: 19.998 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion: 62 Resp: 261389
Ion Ratio Lower Upper
62 100
98 6.2 0.0 7.4





#43

Isopropyl Acetate

Concen: 20.033 ug/l

RT: 9.25 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

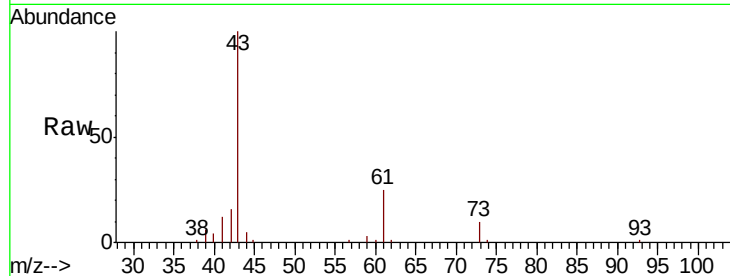
Tot Ion: 43 Resp: 118694

Ion Ratio Lower Upper

43 100

61 25.4 19.0 28.6

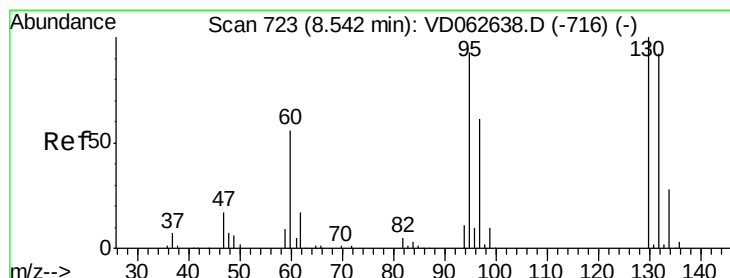
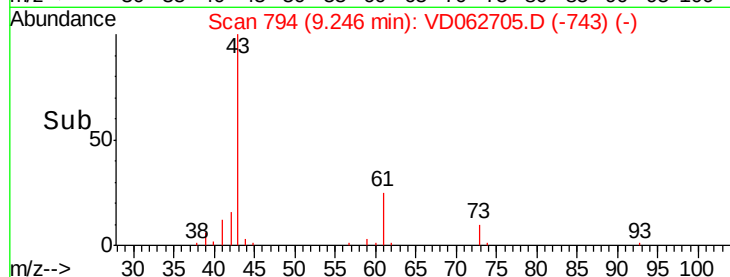
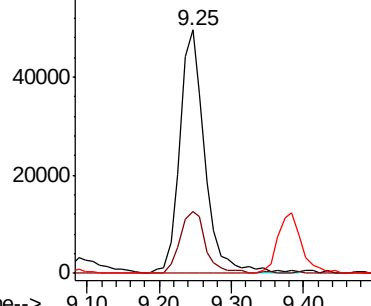
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.781 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD062705.D

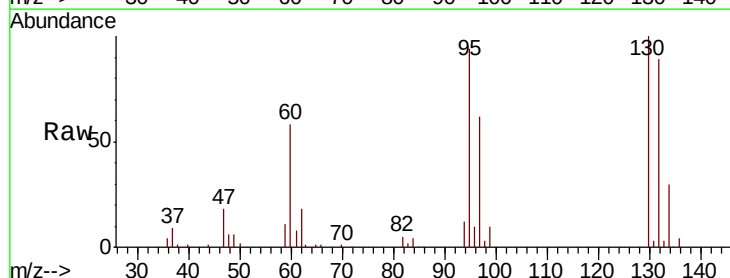
Acq: 14 Jun 2019 12:35

Tgt Ion:130 Resp: 185008

Ion Ratio Lower Upper

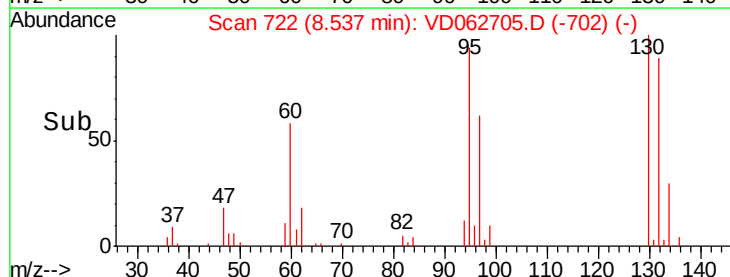
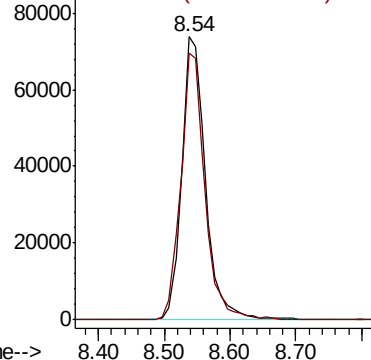
130 100

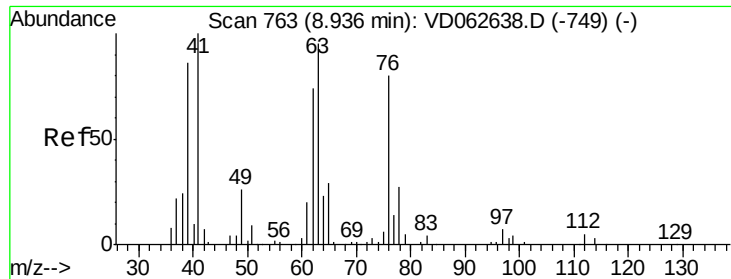
95 94.1 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

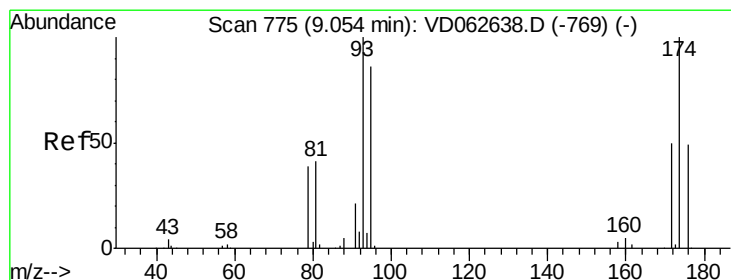
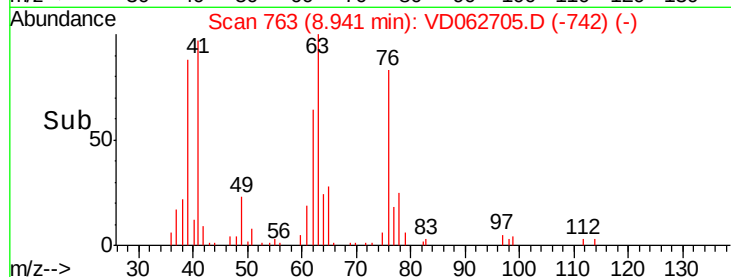
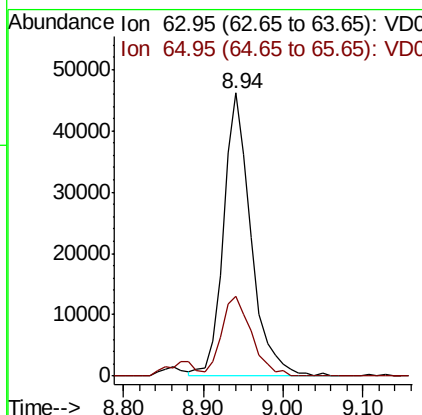
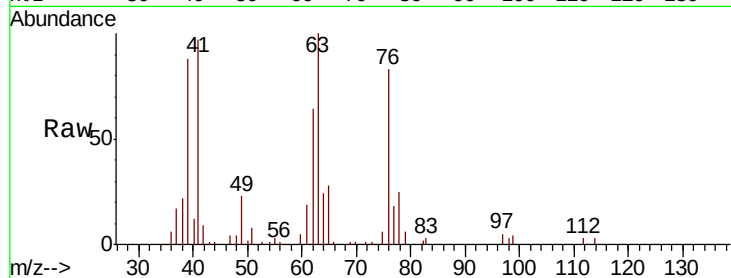




#45
1,2-Dichloropropane
Concen: 21.243 ug/l
RT: 8.94 min Scan# 763
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

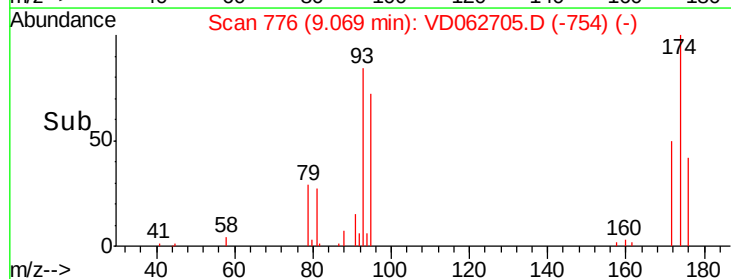
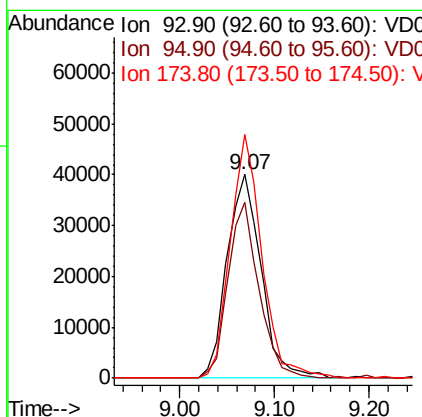
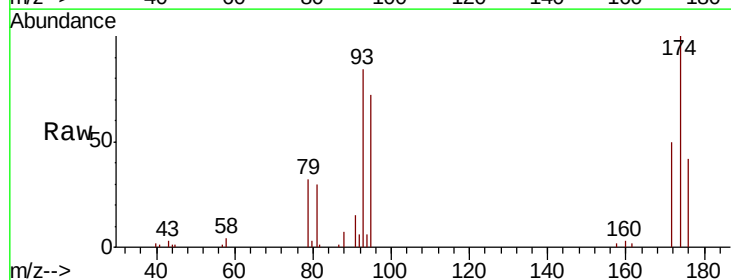
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

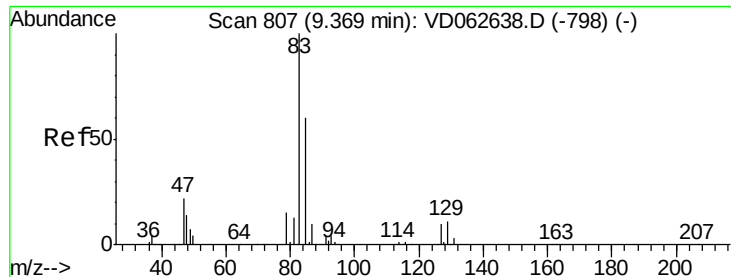
Tot Ion: 63 Resp: 111896
Ion Ratio Lower Upper
63 100
65 28.4 24.6 37.0



#46
Dibromomethane
Concen: 21.328 ug/l
RT: 9.07 min Scan# 776
Delta R.T. 0.02 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion: 93 Resp: 99721
Ion Ratio Lower Upper
93 100
95 86.3 68.7 103.1
174 119.7 79.8 119.8





#47

Bromodichloromethane

Concen: 21.209 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

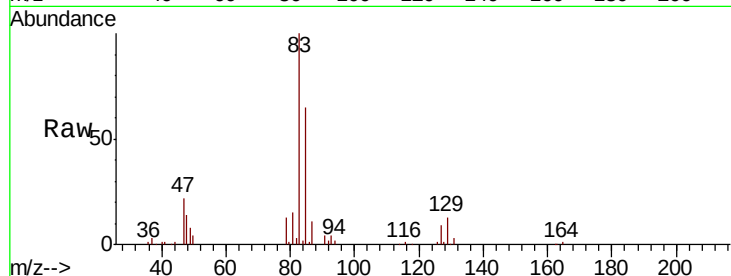
Tot Ion: 83 Resp: 269746

Ion Ratio Lower Upper

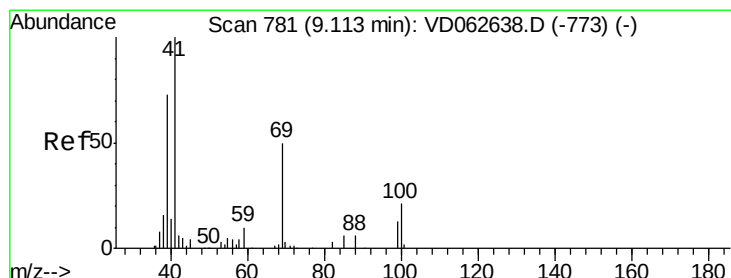
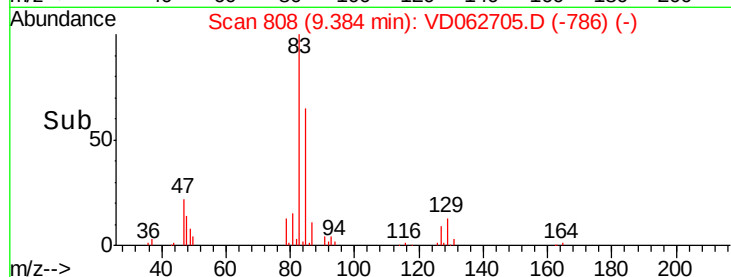
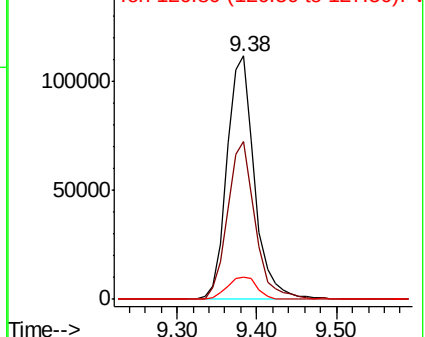
83 100

85 64.7 47.9 71.9

127 9.1 8.2 12.4



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



#48

Methyl methacrylate

Concen: 18.639 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

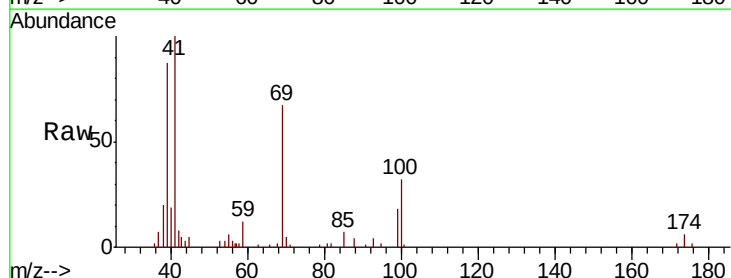
Tgt Ion: 41 Resp: 79781

Ion Ratio Lower Upper

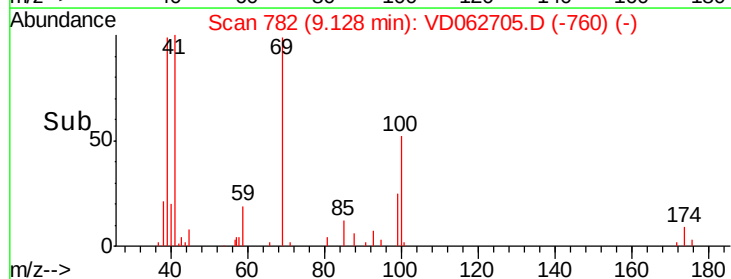
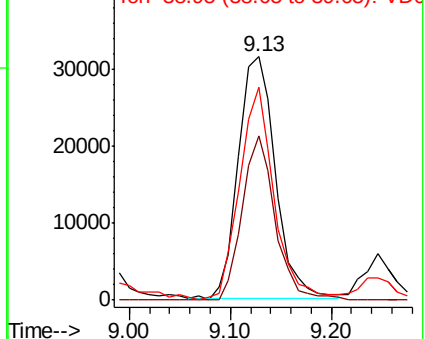
41 100

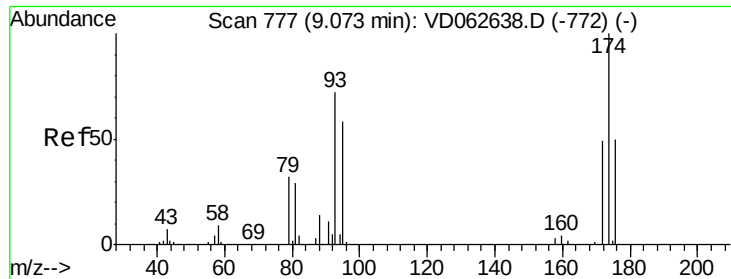
69 67.4 39.8 59.6#

39 87.4 59.1 88.7



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

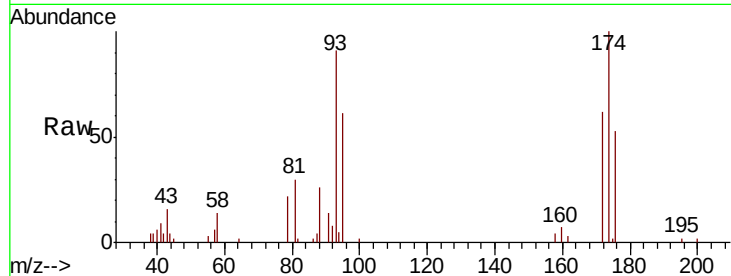




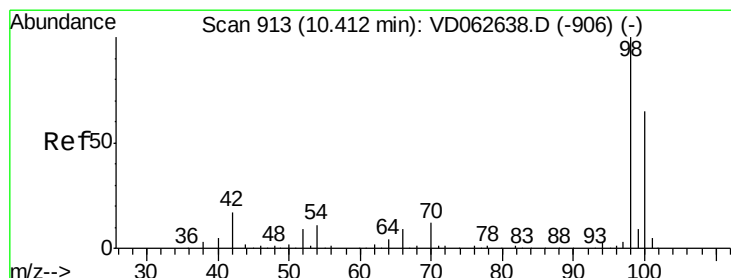
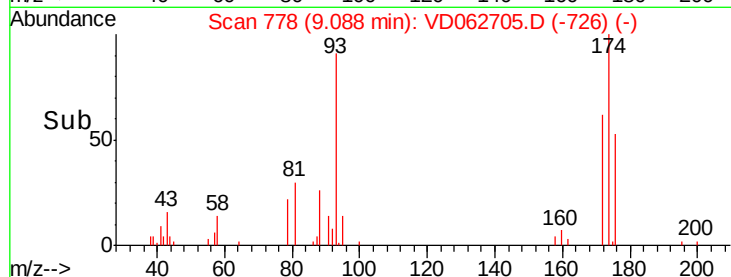
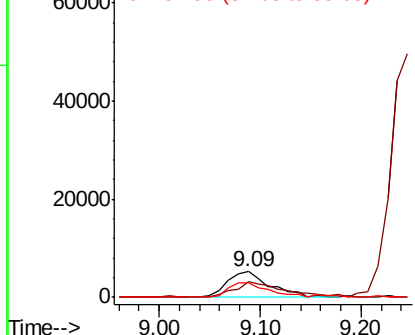
#49
1,4-Dioxane
Concen: 430.830 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.02 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

Tot Ion: 88 Resp: 15410
Ion Ratio Lower Upper
88 100
43 61.6 40.7 61.1#
58 54.4 54.2 81.4

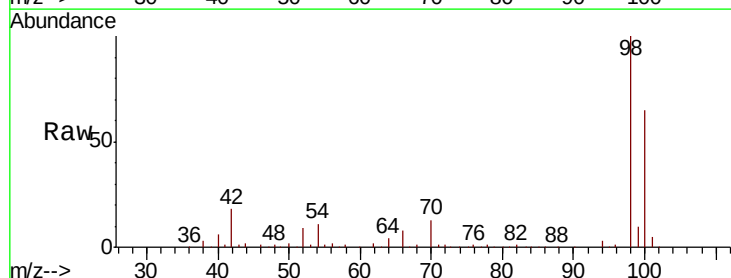


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

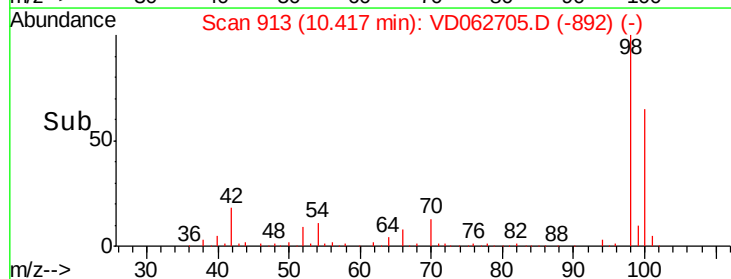
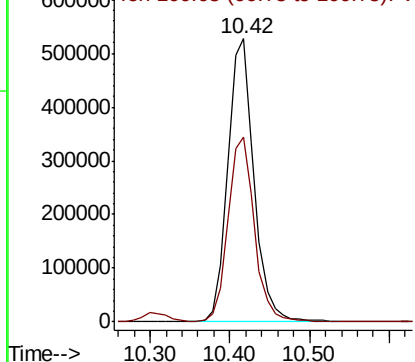


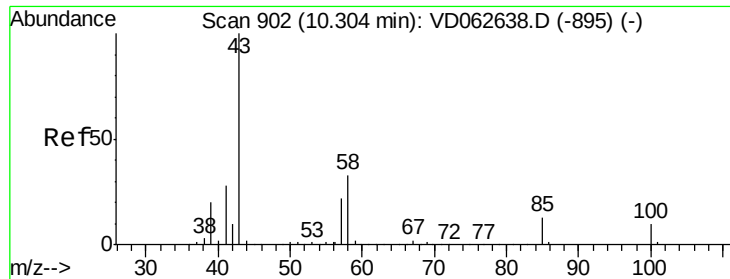
#50
Toluene-d8
Concen: 55.777 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion: 98 Resp: 1214104
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 96.019 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

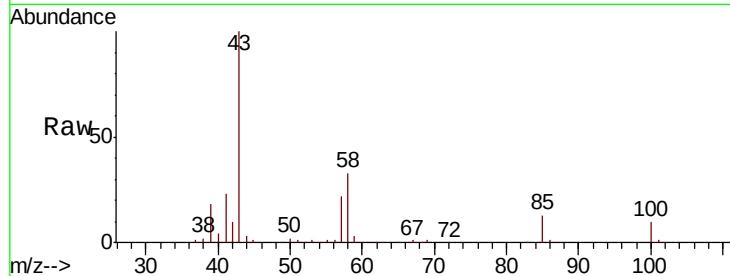
VD0614SBS01

Tot Ion: 43 Resp: 398072

Ion Ratio Lower Upper

43 100

58 33.2 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

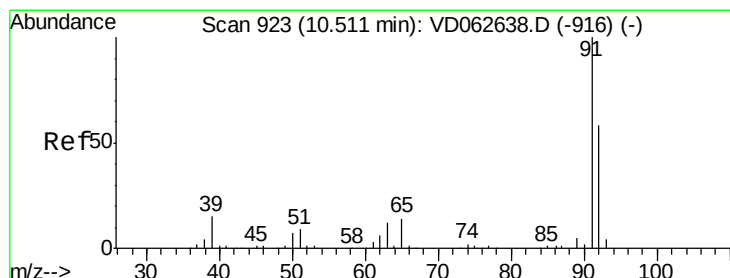
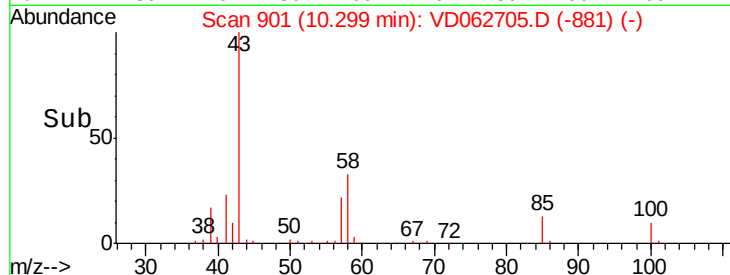
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.920 ug/l

RT: 10.52 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD062705.D

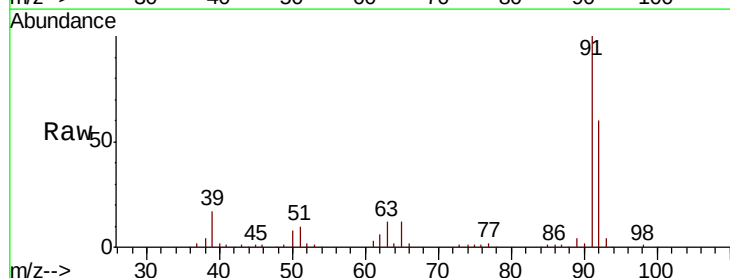
Acq: 14 Jun 2019 12:35

Tgt Ion: 92 Resp: 293632

Ion Ratio Lower Upper

92 100

91 167.1 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

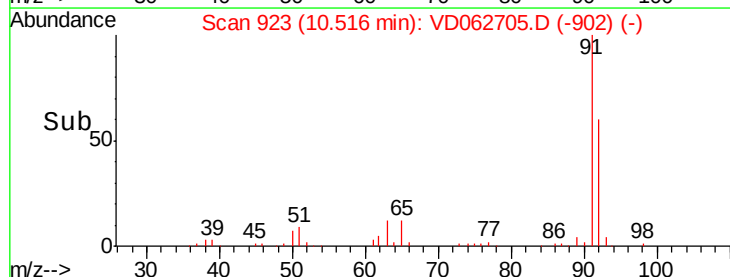
150000

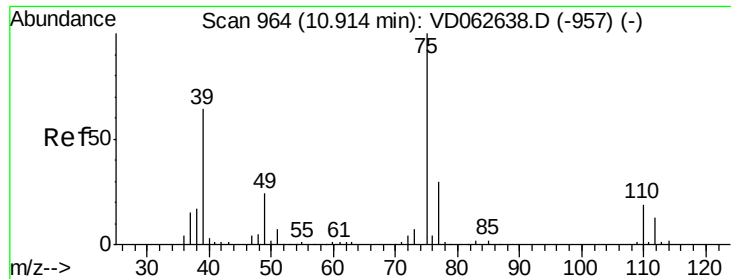
100000

50000

0

Time-->

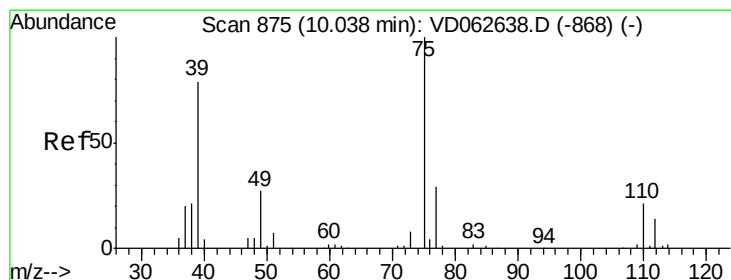
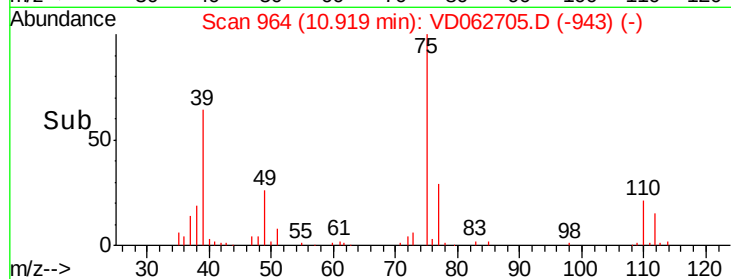
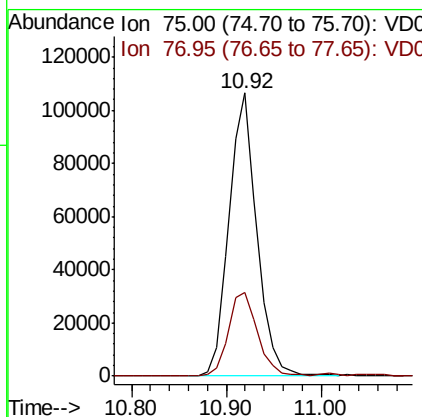
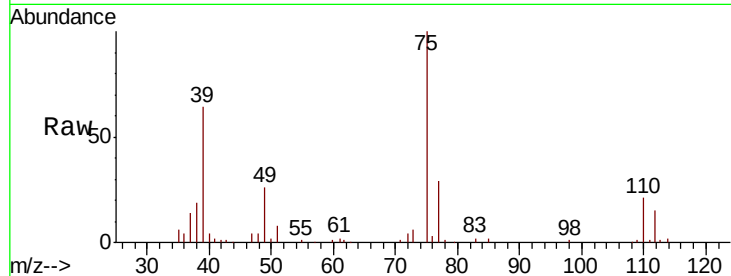




#53
 t-1,3-Dichloropropene
 Concen: 20.733 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

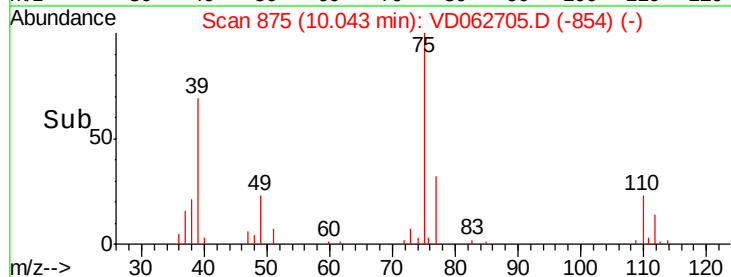
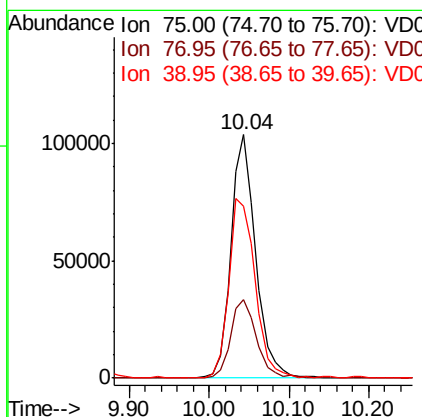
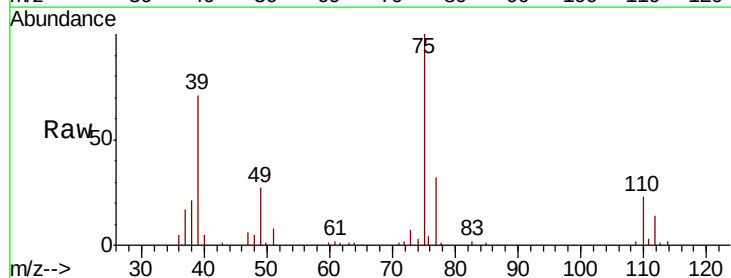
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

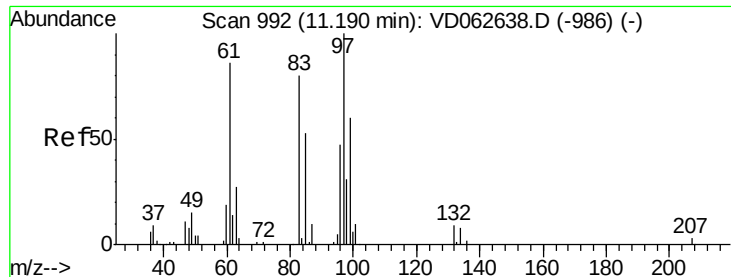
Tot Ion: 75 Resp: 216203
 Ion Ratio Lower Upper
 75 100
 77 29.5 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 20.844 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion: 75 Resp: 224653
 Ion Ratio Lower Upper
 75 100
 77 32.2 23.1 34.7
 39 70.6 63.4 95.2

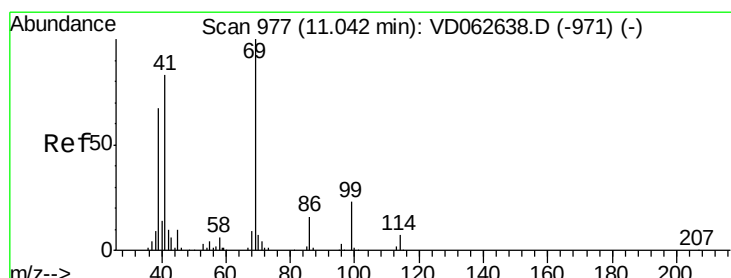
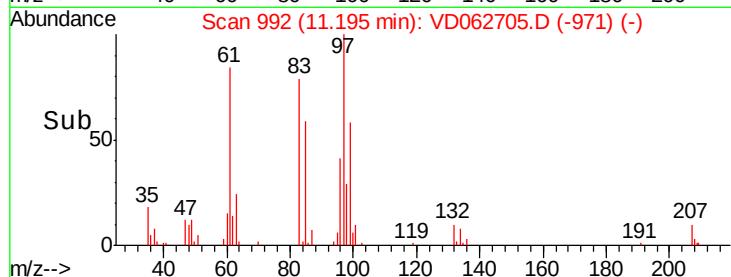
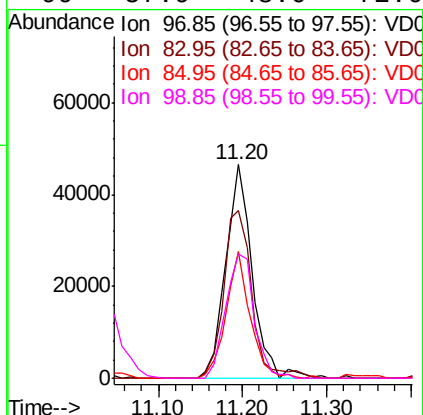
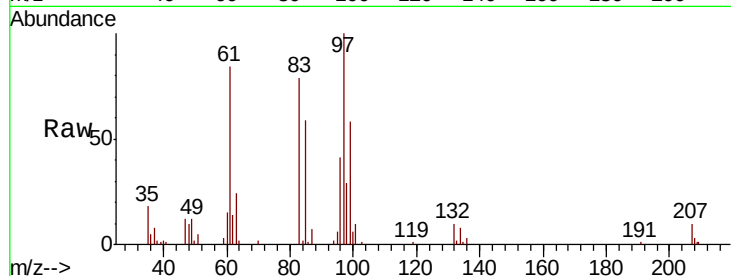




#55
 1,1,2-Trichloroethane
 Concen: 20.130 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

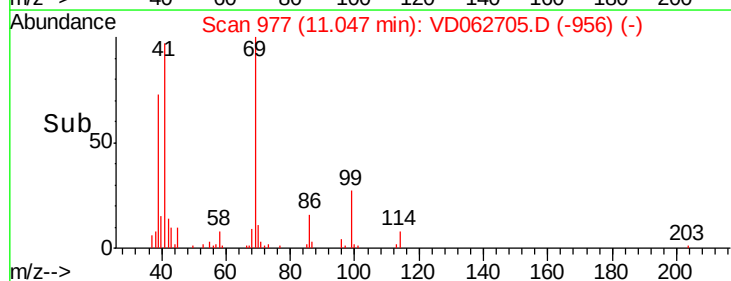
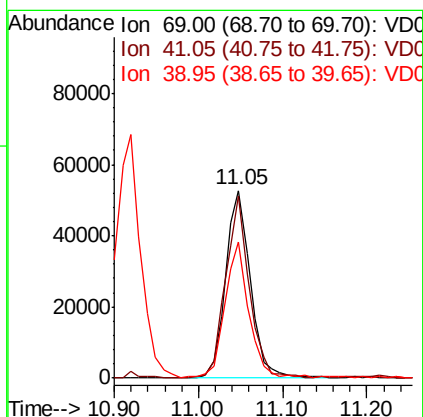
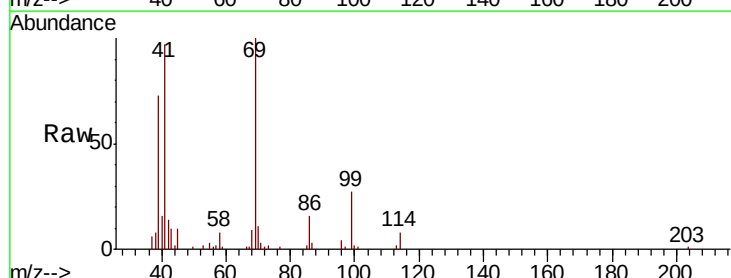
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

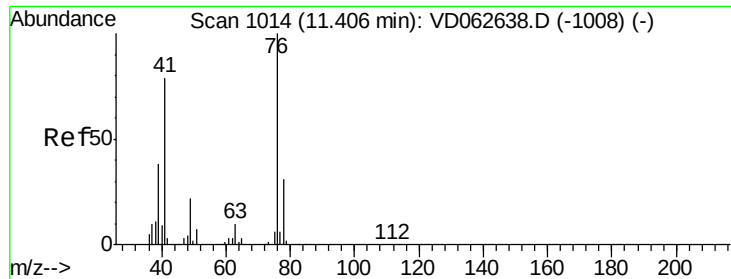
Tot Ion:	97	Resp:	101758
Ion	Ratio	Lower	Upper
97	100		
83	78.8	63.8	95.8
85	59.5	42.3	63.5
99	57.9	48.0	72.0



#56
 Ethyl methacrylate
 Concen: 20.187 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion:	69	Resp:	107423
Ion	Ratio	Lower	Upper
69	100		
41	97.2	66.2	99.4
39	72.7	53.8	80.8

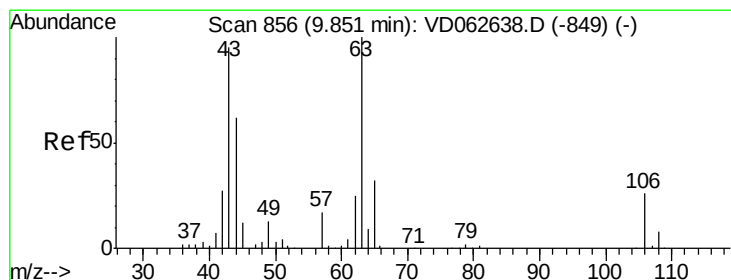
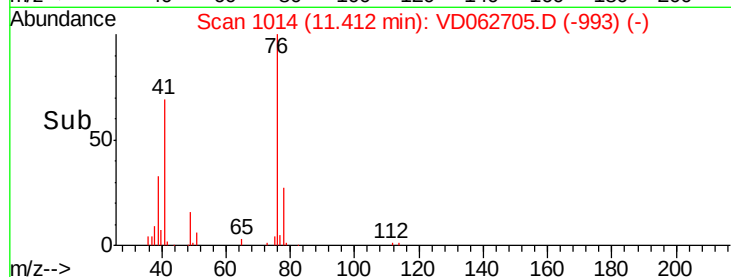
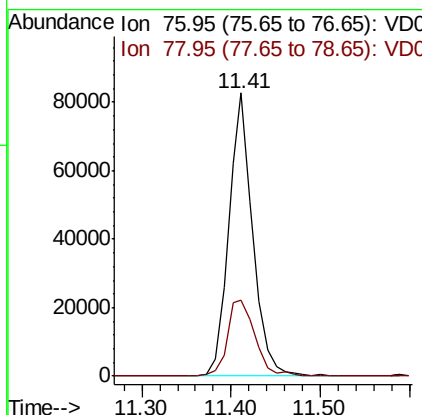
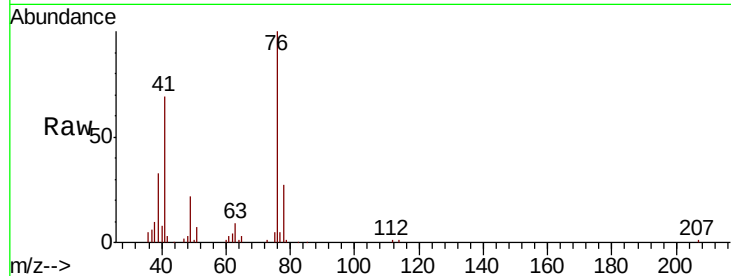




#57
 1,3-Dichloropropane
 Concen: 19.776 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

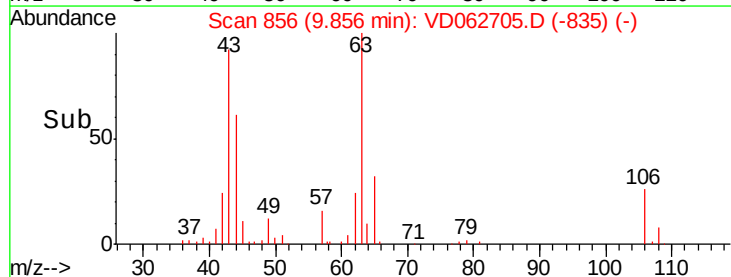
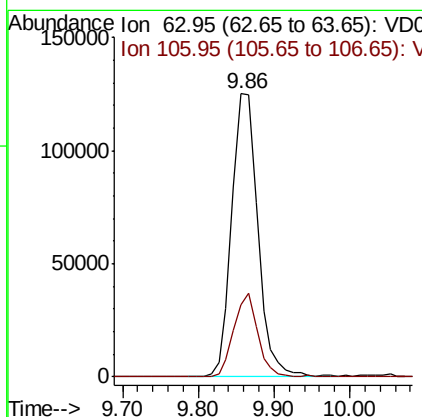
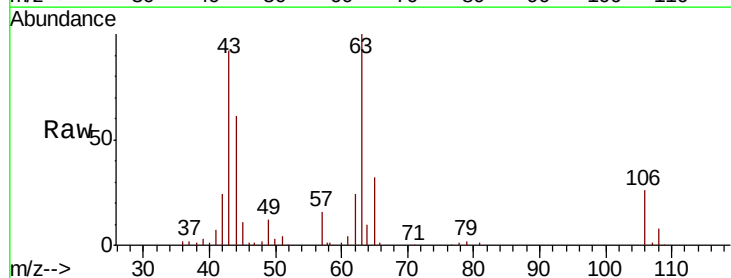
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

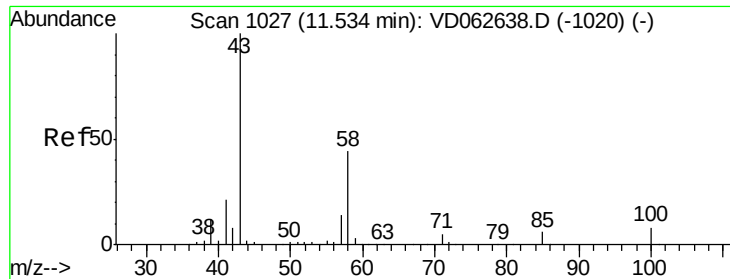
Tot Ion: 76 Resp: 154948
 Ion Ratio Lower Upper
 76 100
 78 26.7 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.913 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion: 63 Resp: 299667
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.5 30.7

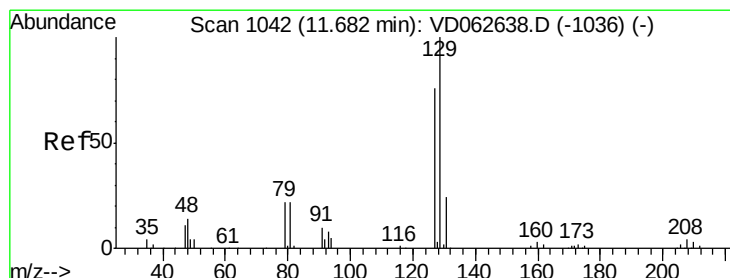
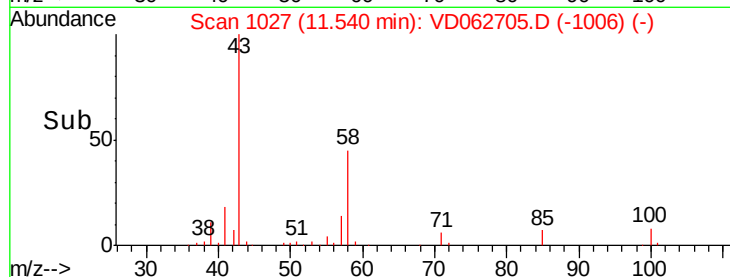
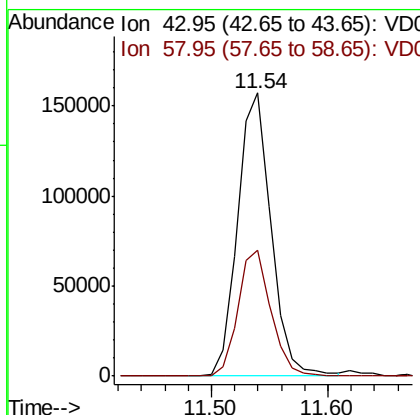
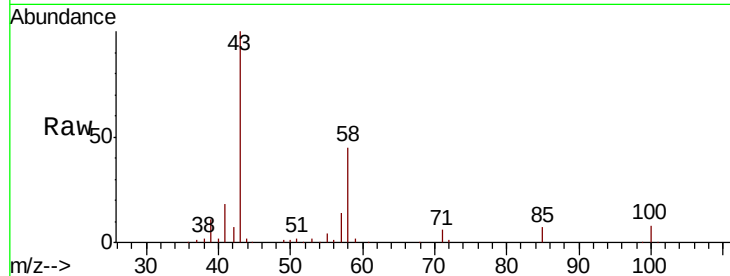




#59
2-Hexanone
Concen: 101.263 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

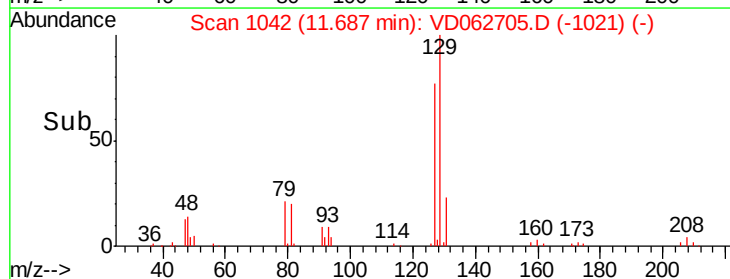
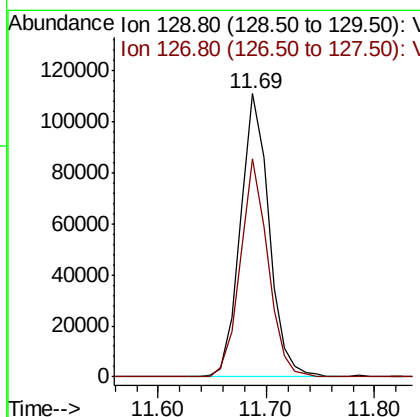
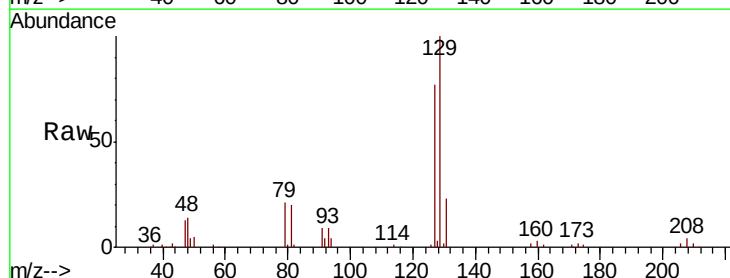
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

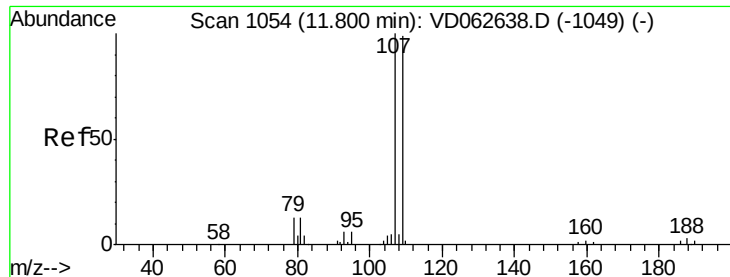
Tot Ion: 43 Resp: 312281
Ion Ratio Lower Upper
43 100
58 44.6 21.8 65.4



#60
Dibromochloromethane
Concen: 20.466 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion: 129 Resp: 204227
Ion Ratio Lower Upper
129 100
127 77.0 38.0 114.1

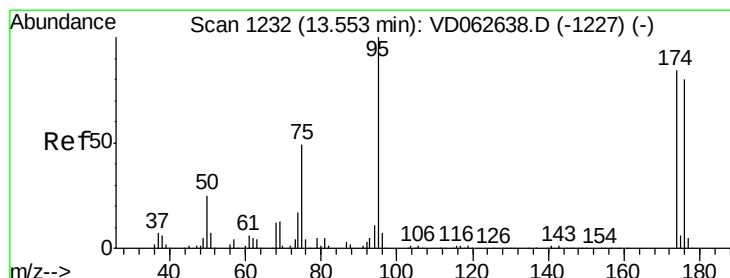
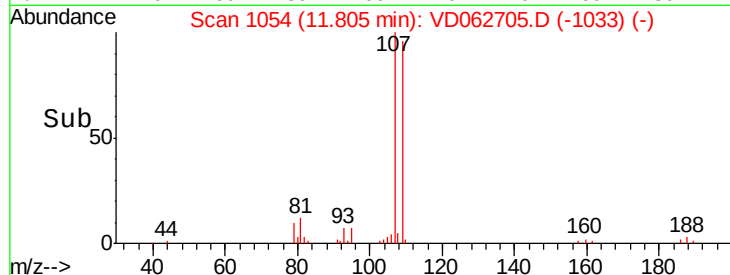
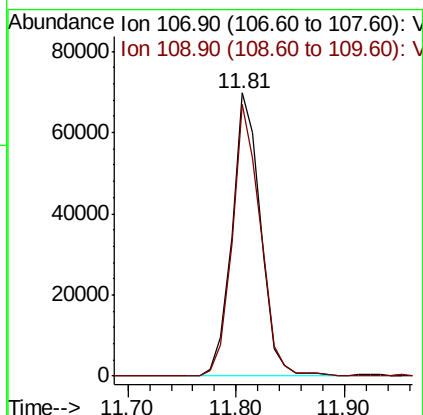
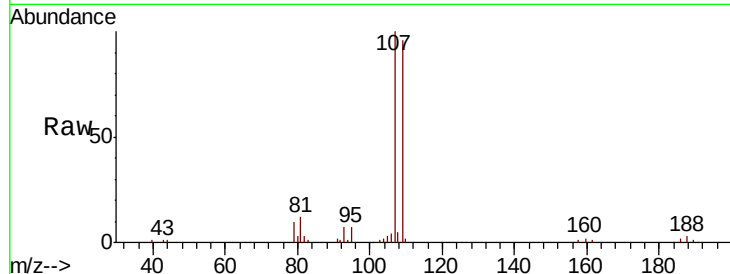




#61
 1,2-Dibromoethane
 Concen: 21.087 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

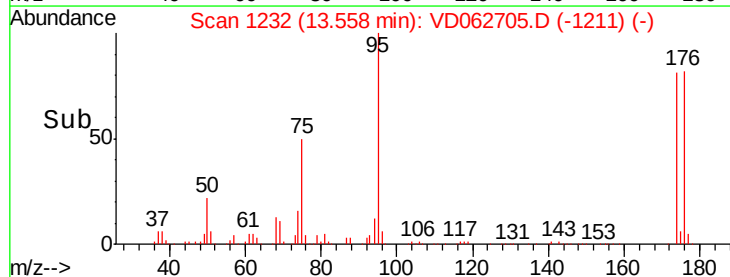
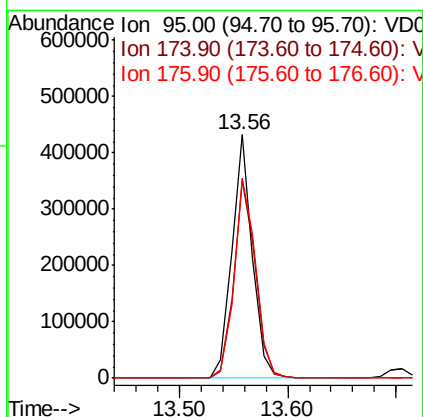
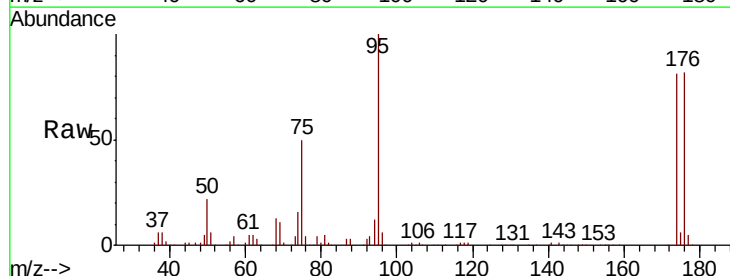
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

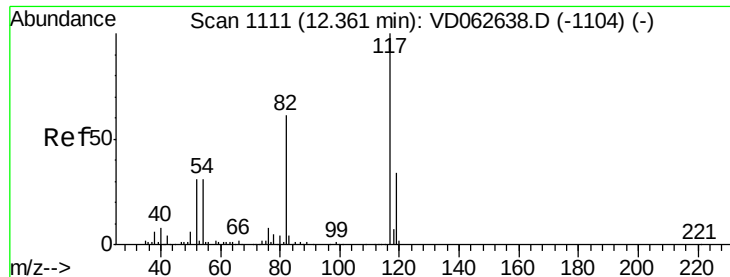
Tot Ion:107 Resp: 127579
 Ion Ratio Lower Upper
 107 100
 109 96.0 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 55.742 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion: 95 Resp: 566069
 Ion Ratio Lower Upper
 95 100
 174 81.0 0.0 167.0
 176 82.4 0.0 159.2

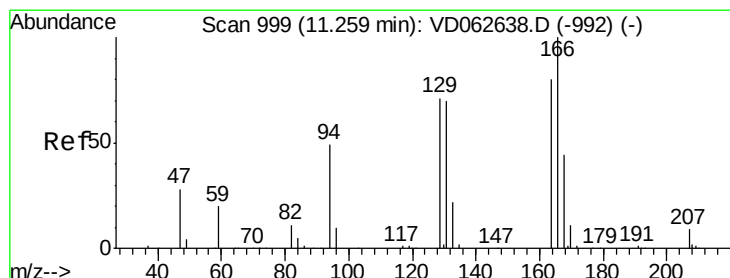
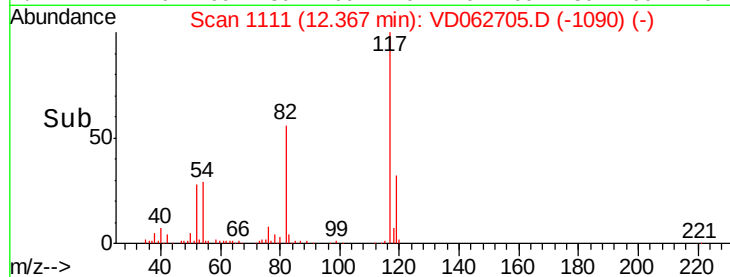
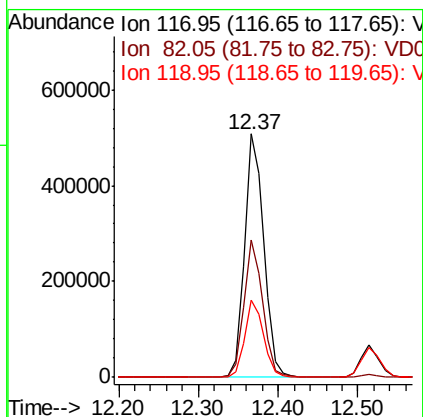
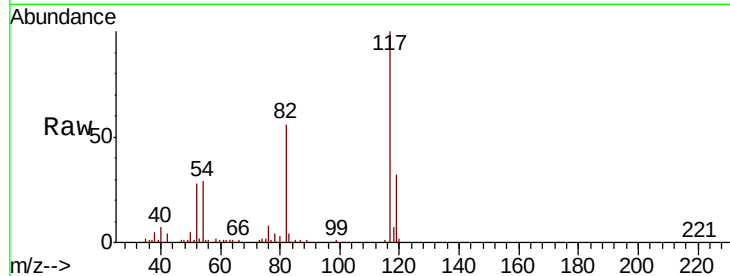




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

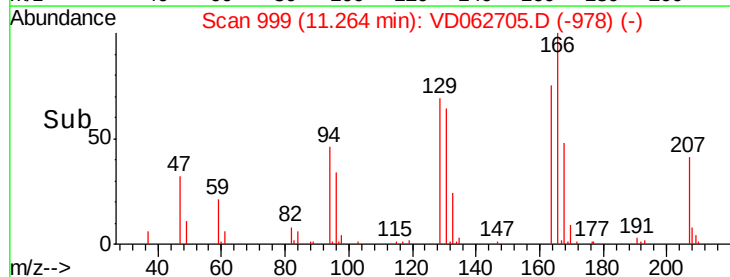
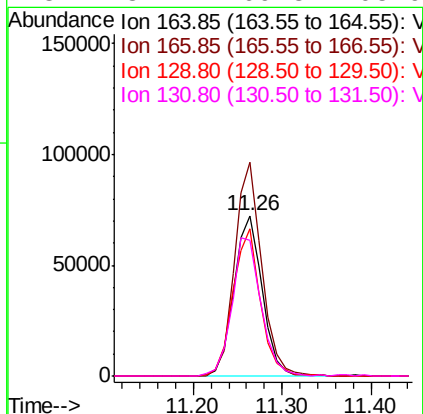
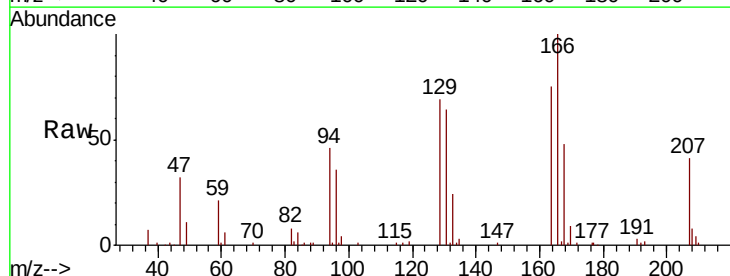
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

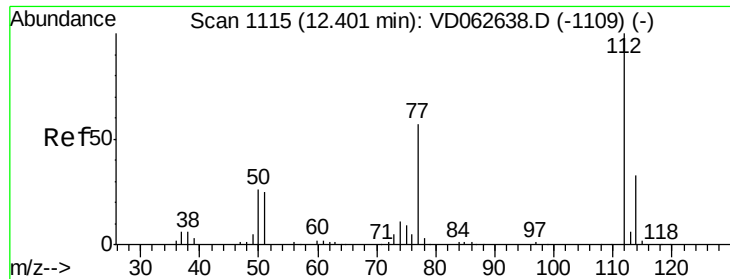
Tot Ion:117 Resp: 842088
Ion Ratio Lower Upper
117 100
82 56.4 48.7 73.1
119 31.9 27.0 40.6



#64
Tetrachloroethene
Concen: 20.366 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion:164 Resp: 160546
Ion Ratio Lower Upper
164 100
166 133.1 99.4 149.2
129 91.4 70.2 105.4
131 84.7 69.3 103.9

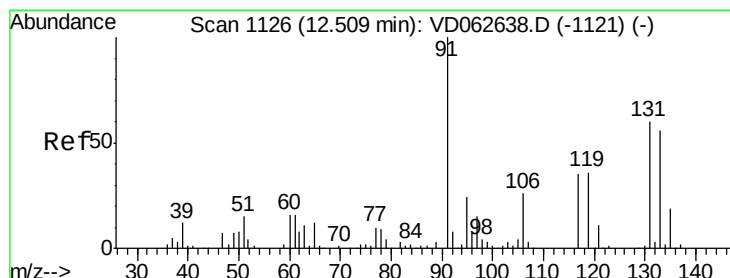
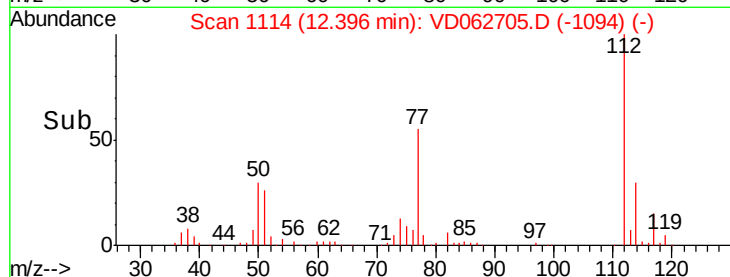
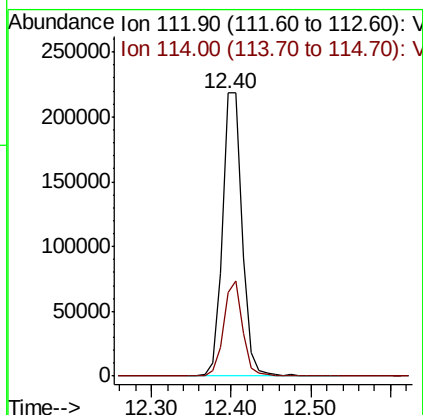
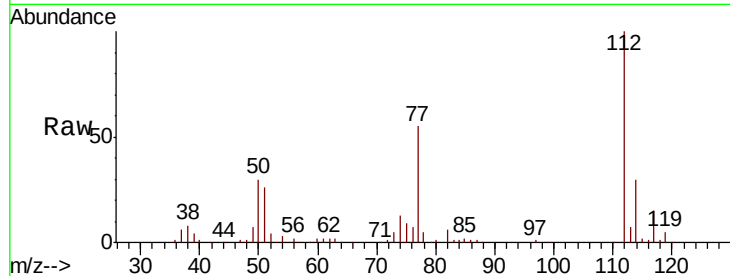




#65
Chlorobenzene
Concen: 20.612 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

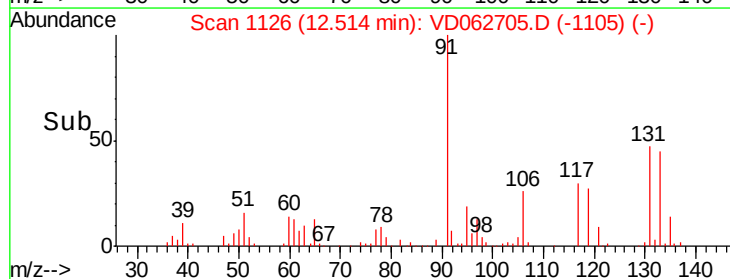
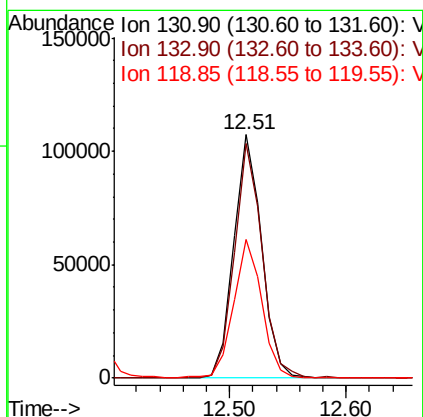
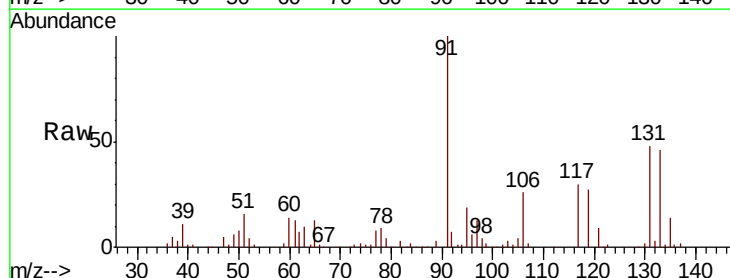
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

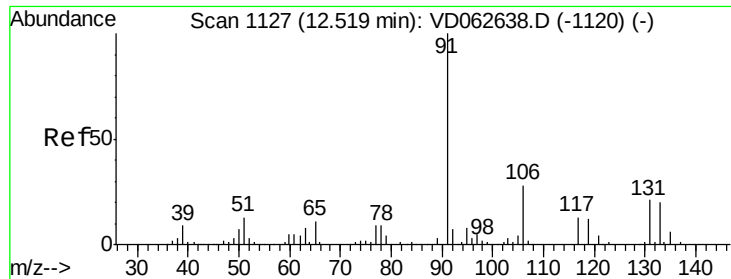
Tot Ion:112 Resp: 383924
Ion Ratio Lower Upper
112 100
114 29.8 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.925 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion:131 Resp: 177010
Ion Ratio Lower Upper
131 100
133 96.4 46.8 140.3
119 57.1 29.9 89.8

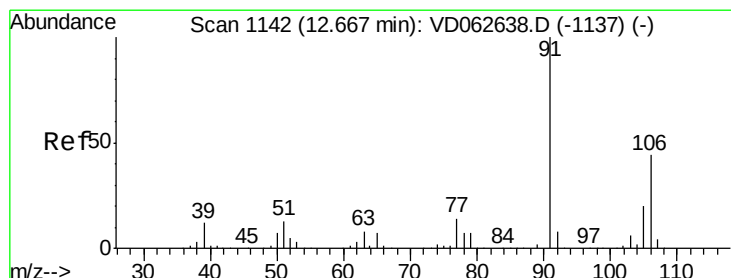
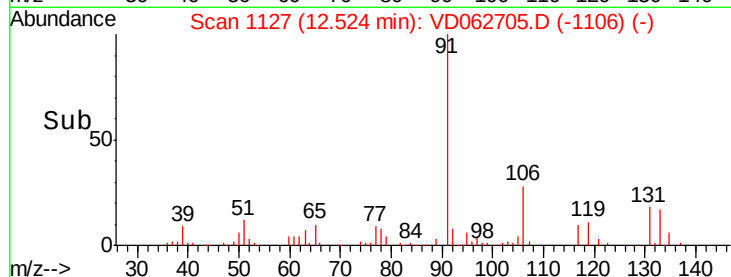
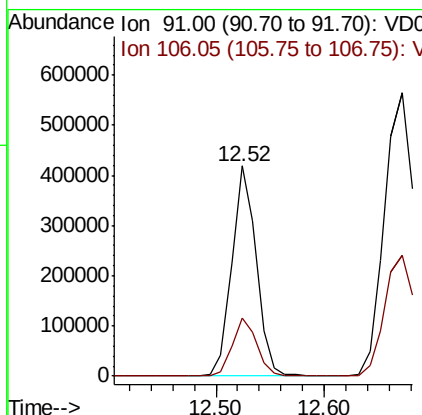
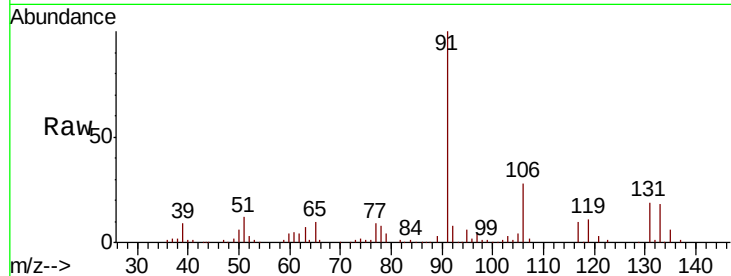




#67
Ethyl Benzene
Concen: 19.977 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

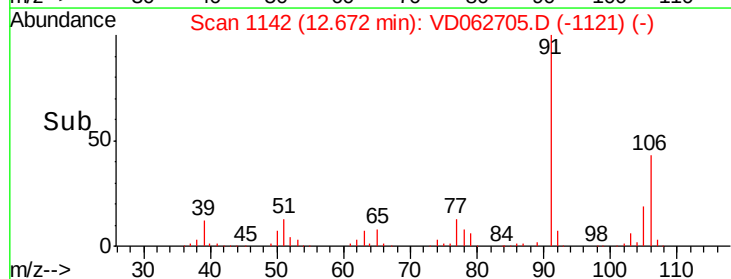
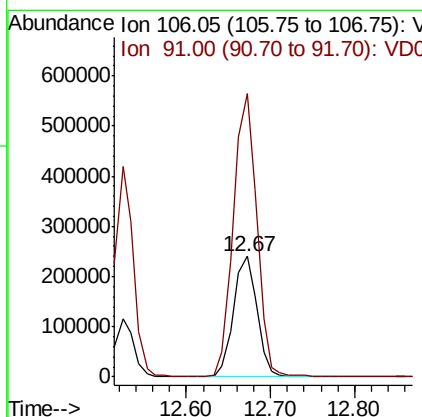
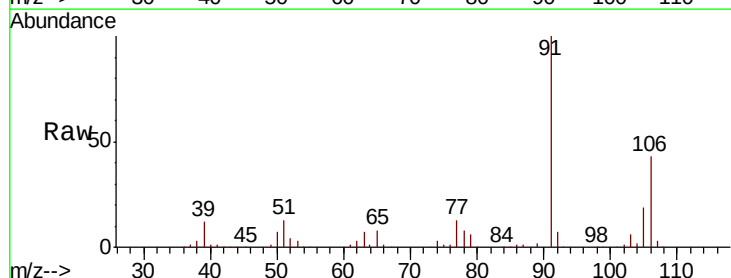
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

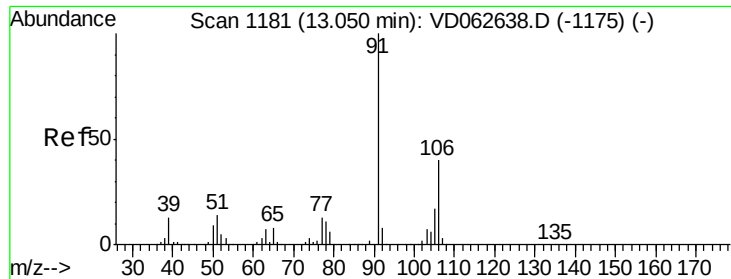
Tot Ion: 91 Resp: 659729
Ion Ratio Lower Upper
91 100
106 27.6 22.1 33.1



#68
m/p-Xylenes
Concen: 40.245 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion: 106 Resp: 467249
Ion Ratio Lower Upper
106 100
91 234.4 180.2 270.4

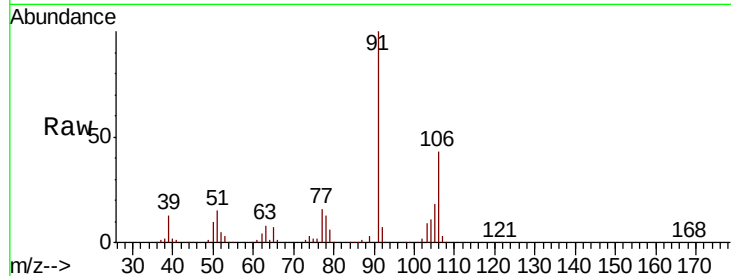




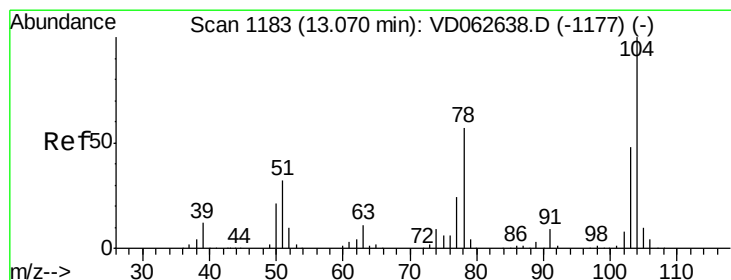
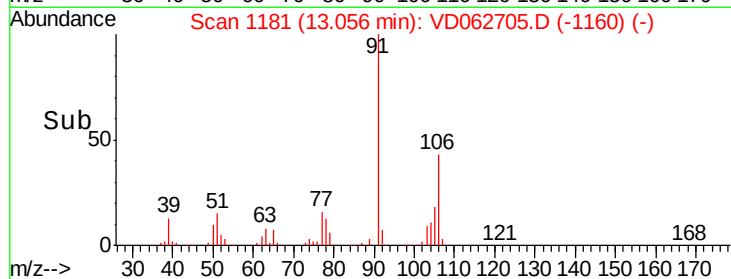
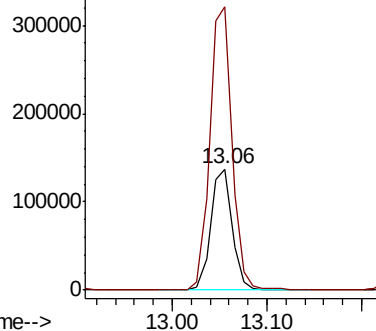
#69
o-Xylene
Concen: 20.213 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

Tot Ion:106 Resp: 215532
Ion Ratio Lower Upper
106 100
91 233.6 124.1 372.1

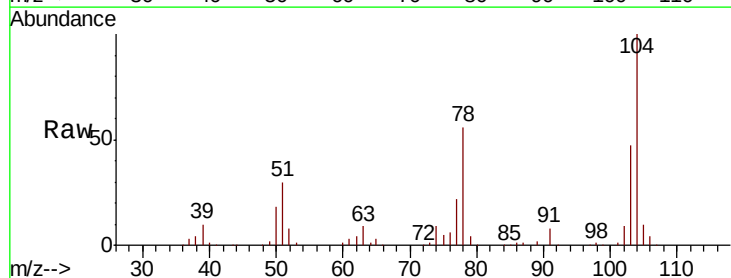


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

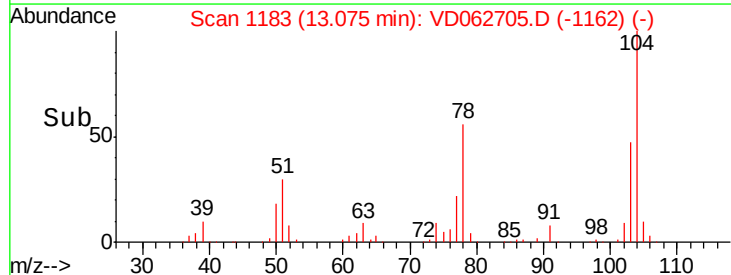
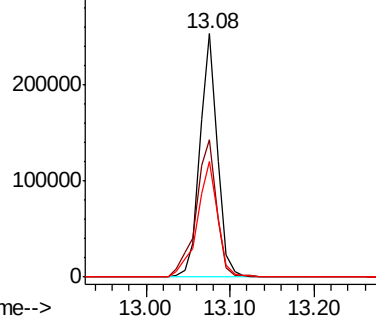


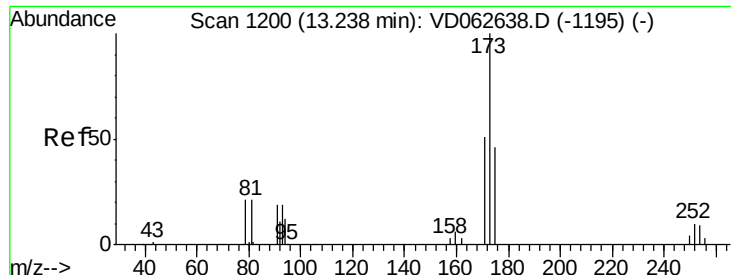
#70
Styrene
Concen: 19.139 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion:104 Resp: 364128
Ion Ratio Lower Upper
104 100
78 56.5 45.9 68.9
103 47.4 38.4 57.6



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





#71

Bromoform

Concen: 20.514 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

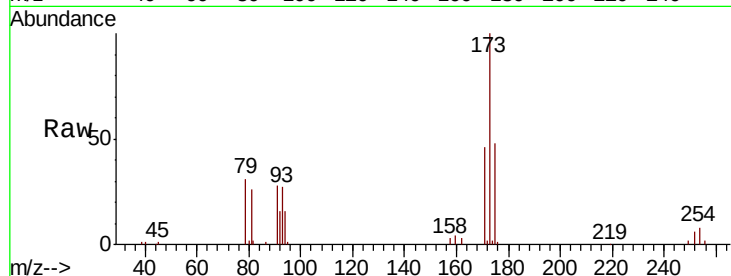
Tot Ion:173 Resp: 127742

Ion Ratio Lower Upper

173 100

175 47.6 22.9 68.7

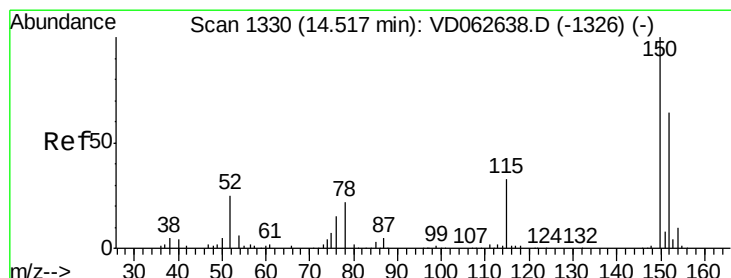
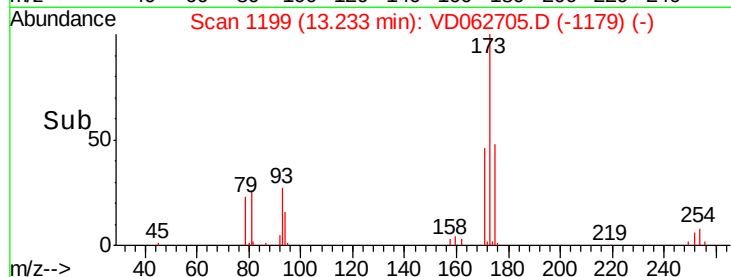
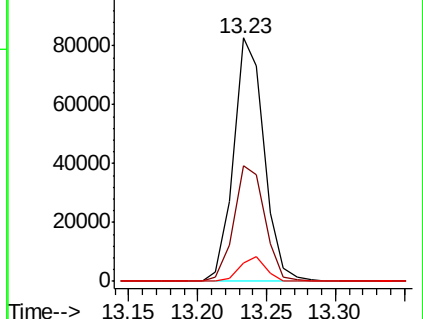
254 7.6 7.0 10.4



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

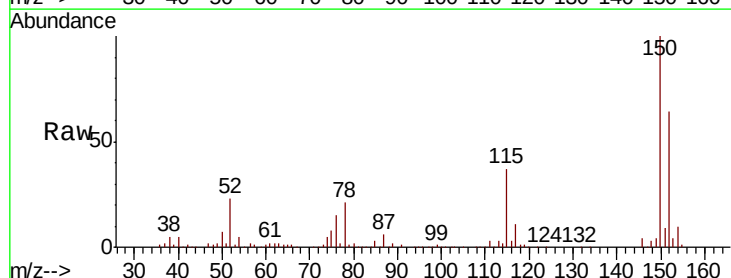
Tgt Ion:152 Resp: 513431

Ion Ratio Lower Upper

152 100

115 57.3 30.1 90.5

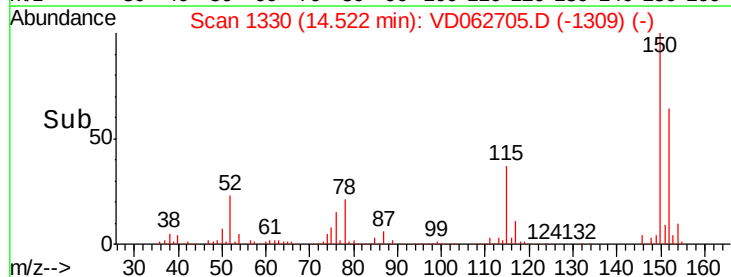
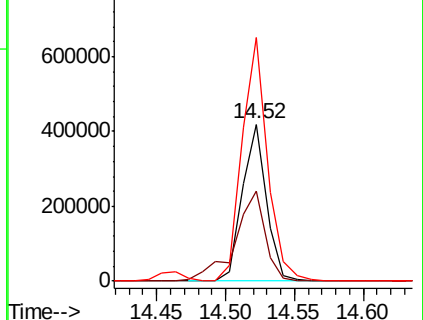
150 155.2 0.0 314.0

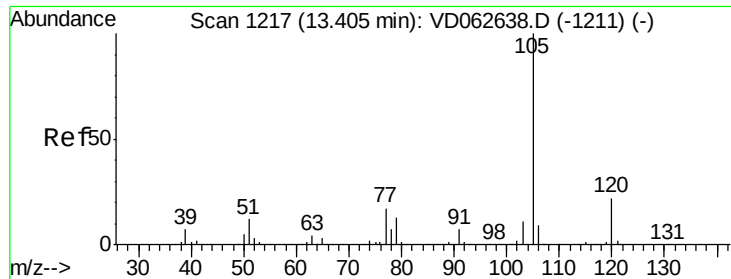


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.488 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

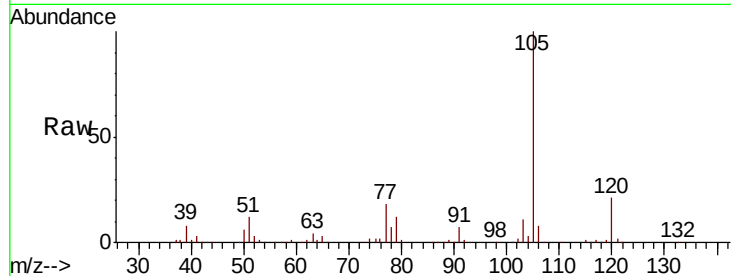
VD0614SBS01

Tot Ion:105 Resp: 741436

Ion Ratio Lower Upper

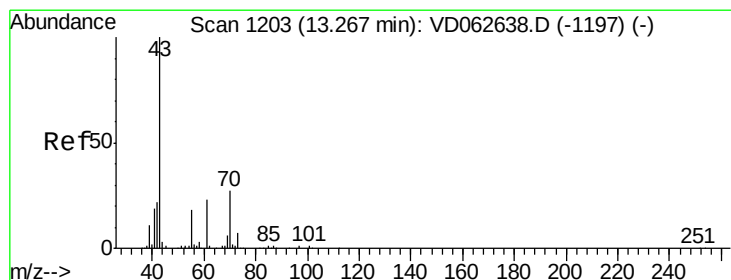
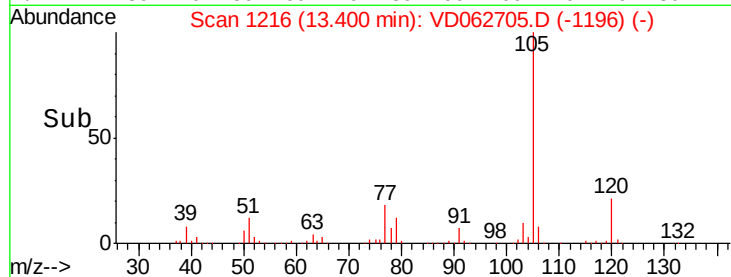
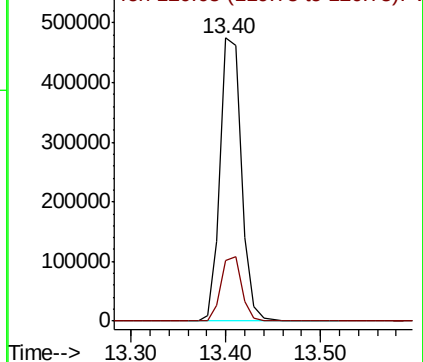
105 100

120 21.4 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 17.786 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Tgt Ion: 43 Resp: 173951

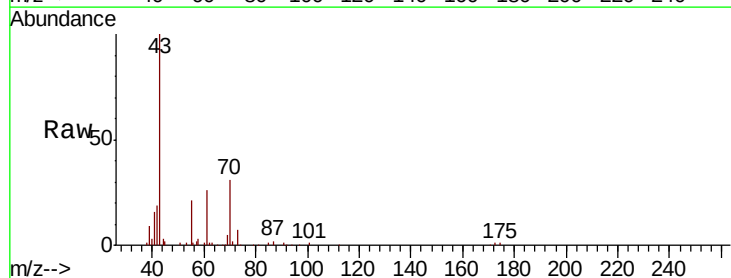
Ion Ratio Lower Upper

43 100

70 31.1 21.8 32.8

55 20.7 14.6 21.8

61 26.2 18.4 27.6

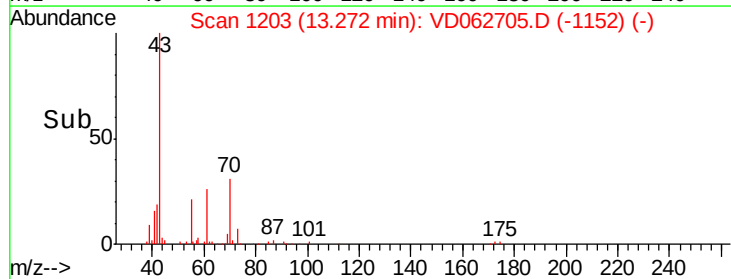
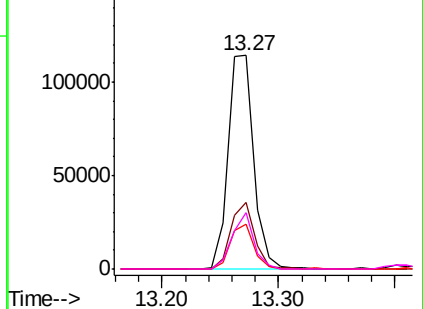


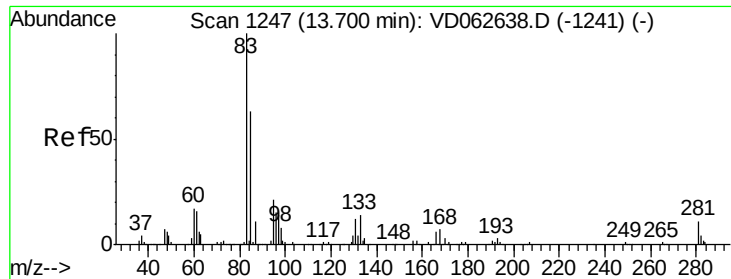
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 18.594 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

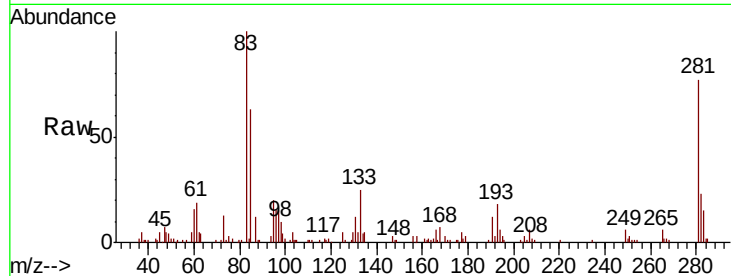
Tot Ion: 83 Resp: 115139

Ion Ratio Lower Upper

83 100

131 11.6 5.9 17.7

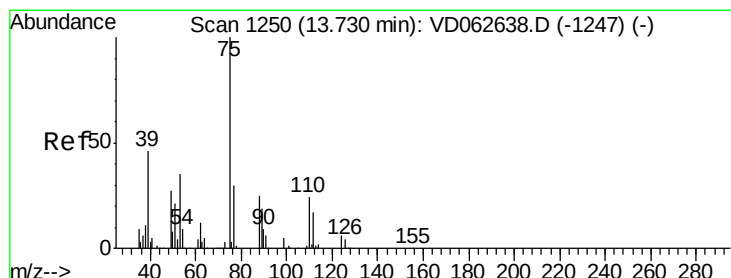
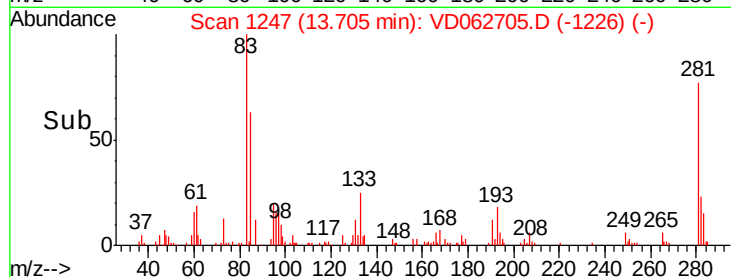
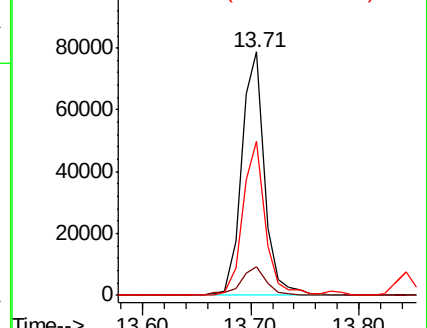
85 63.4 31.3 93.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 17.945 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD062705.D

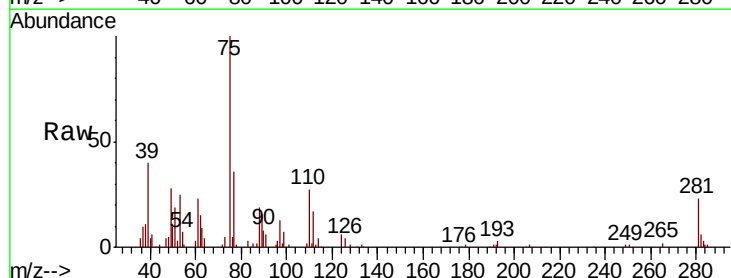
Acq: 14 Jun 2019 12:35

Tgt Ion: 75 Resp: 124928

Ion Ratio Lower Upper

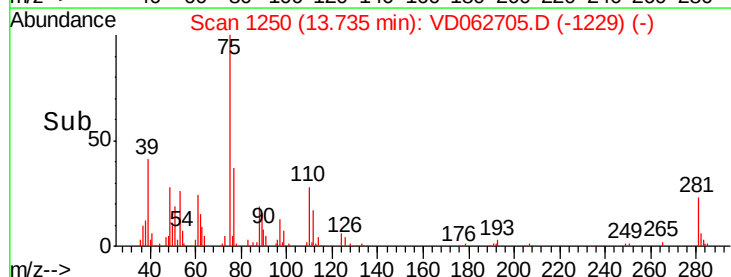
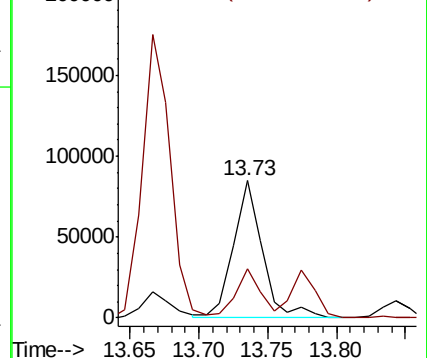
75 100

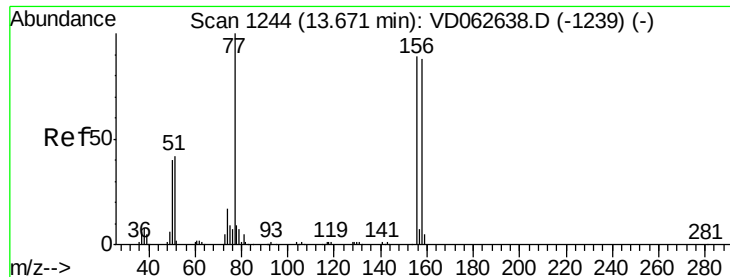
77 36.0 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.209 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

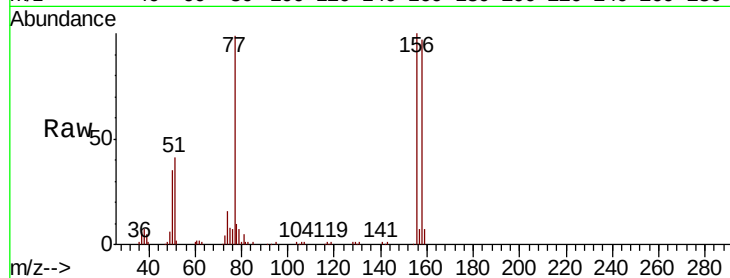
Tot Ion:156 Resp: 198693

Ion Ratio Lower Upper

156 100

77 99.0 56.3 168.8

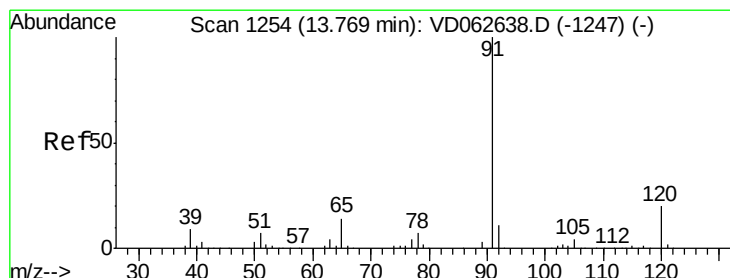
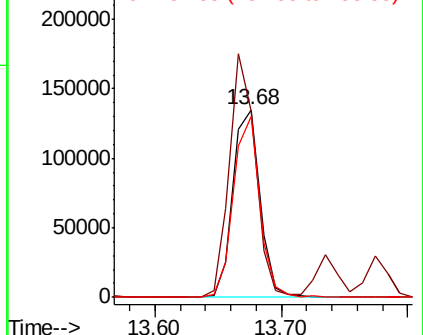
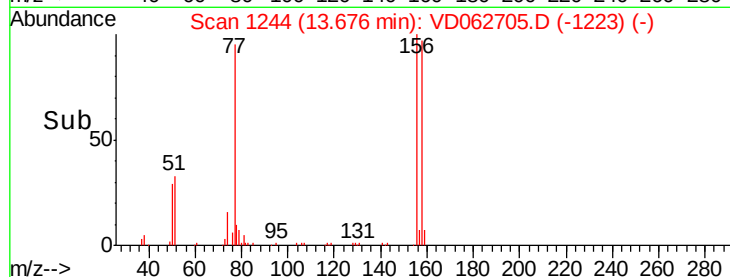
158 96.7 49.6 148.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.484 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD062705.D

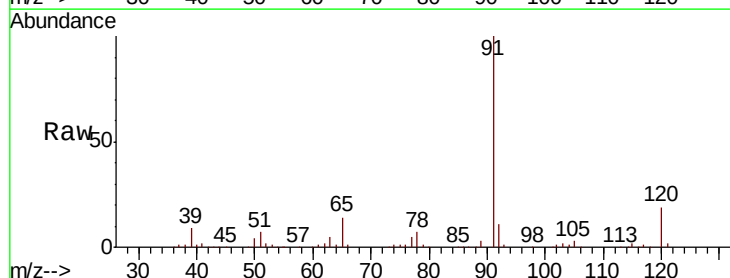
Acq: 14 Jun 2019 12:35

Tgt Ion: 91 Resp: 818811

Ion Ratio Lower Upper

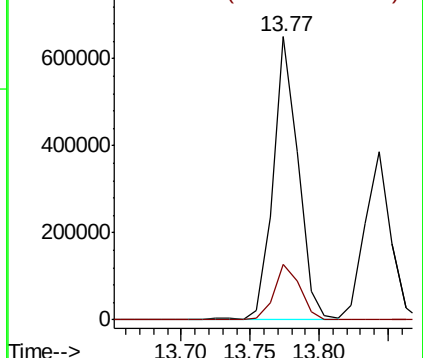
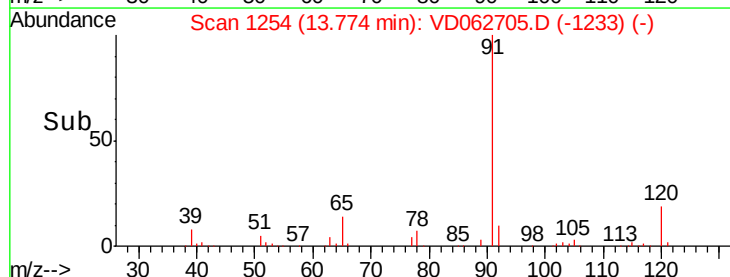
91 100

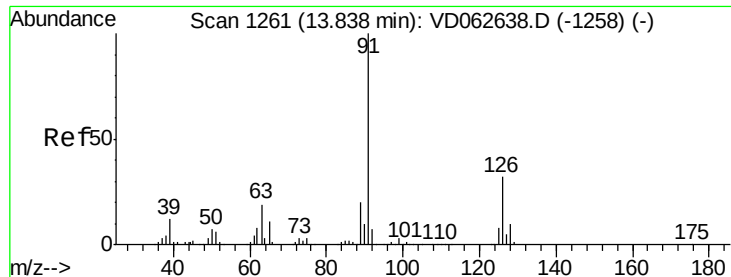
120 19.4 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

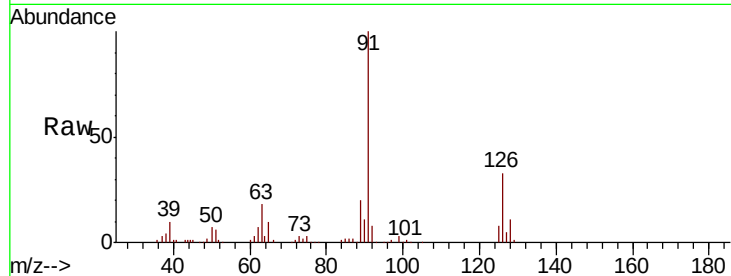




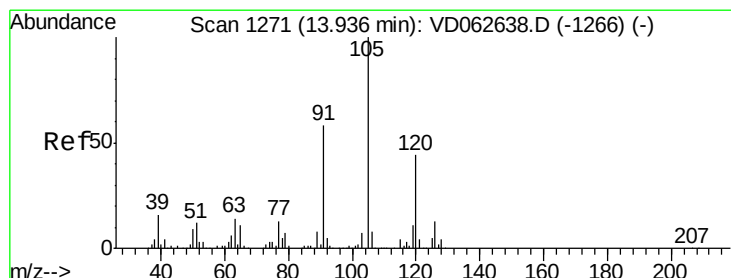
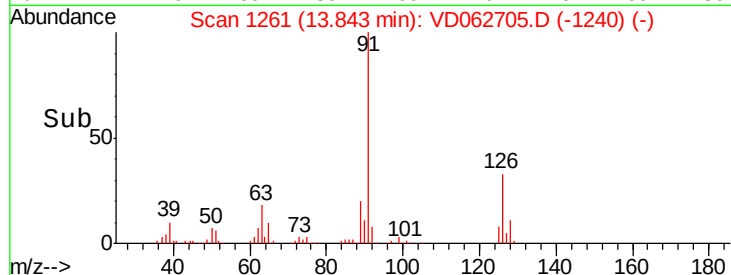
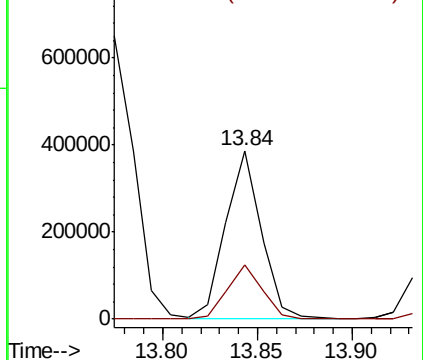
#79
 2-Chlorotoluene
 Concen: 19.271 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Tot Ion: 91 Resp: 499823
 Ion Ratio Lower Upper
 91 100
 126 32.6 15.8 47.4

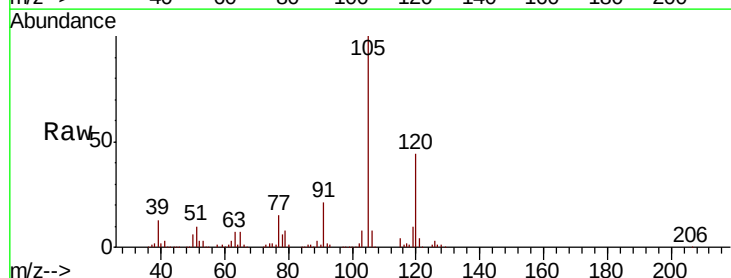


Abundance Ion 91.00 (90.70 to 91.70): VD062638.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD062638.D (-1258) (-)

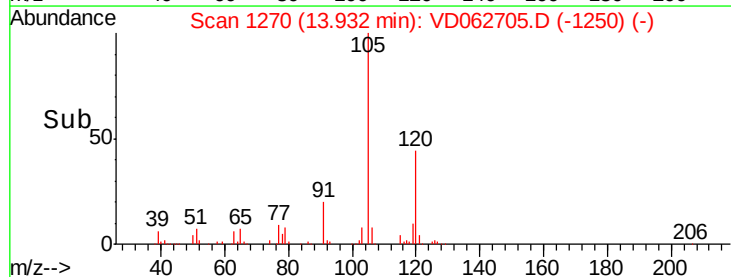
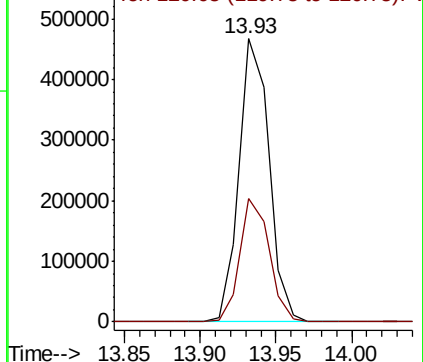


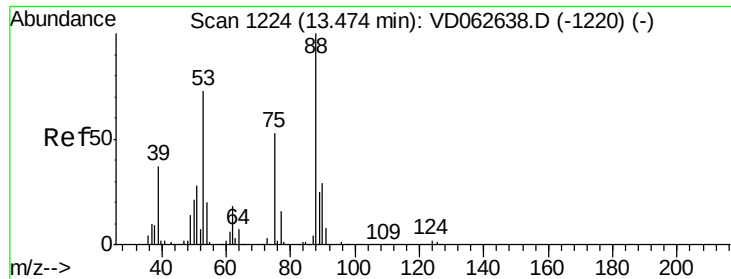
#80
 1,3,5-Trimethylbenzene
 Concen: 20.120 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion: 105 Resp: 643499
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062638.D (-1266) (-)
 Ion 120.05 (119.75 to 120.75): VD062638.D (-1266) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.370 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

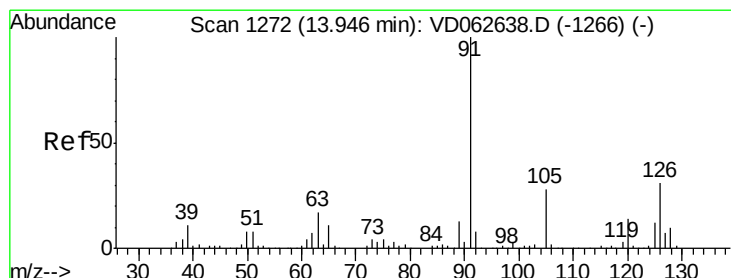
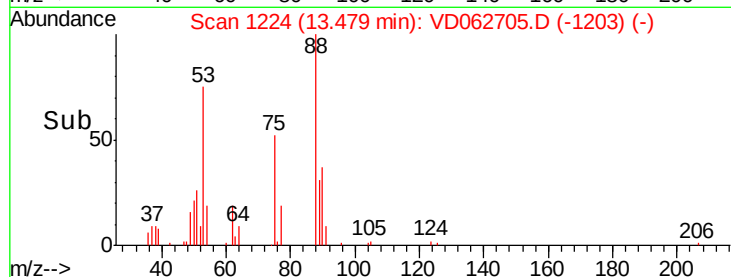
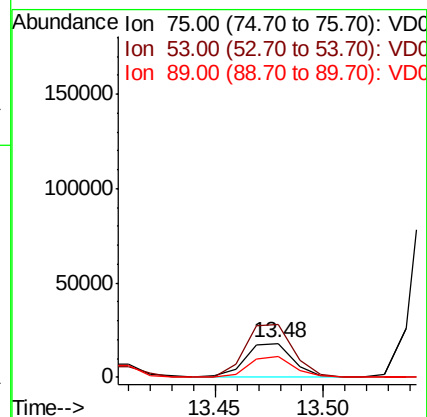
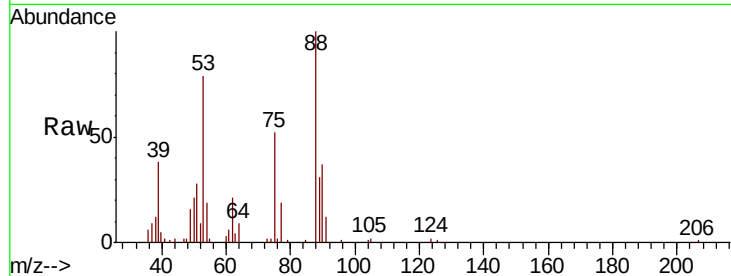
Tot Ion: 75 Resp: 27931

Ion Ratio Lower Upper

75 100

53 153.7 109.4 164.2

89 59.3 37.0 55.6#



#82

4-Chlorotoluene

Concen: 19.980 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062705.D

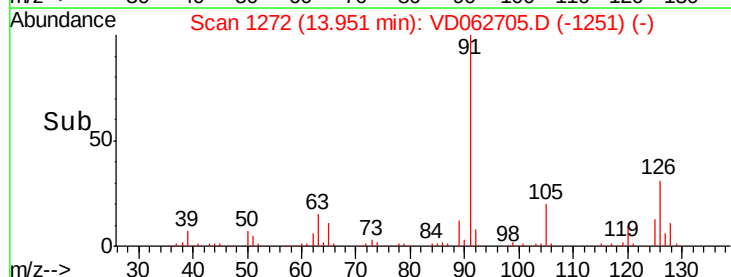
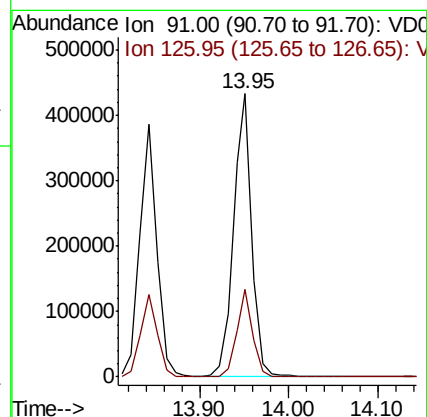
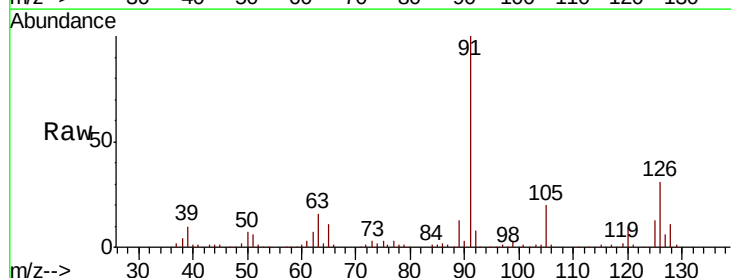
Acq: 14 Jun 2019 12:35

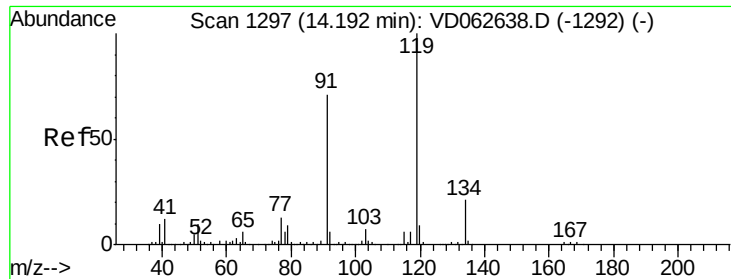
Tgt Ion: 91 Resp: 619739

Ion Ratio Lower Upper

91 100

126 31.0 15.6 46.8

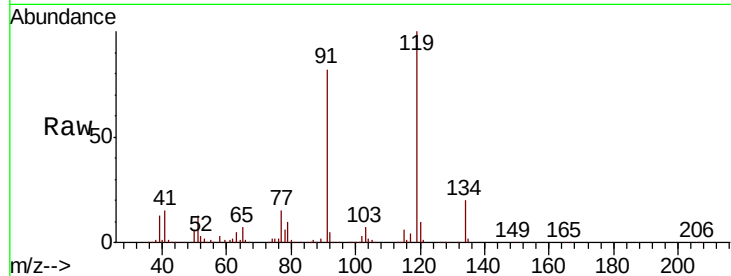




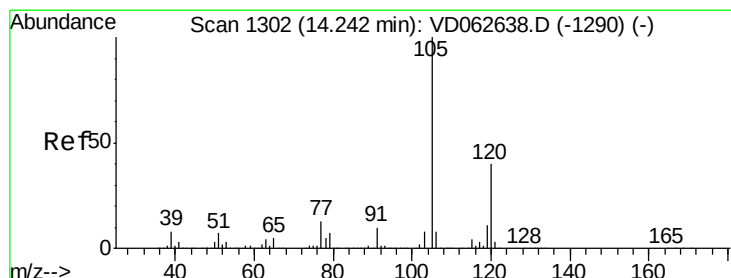
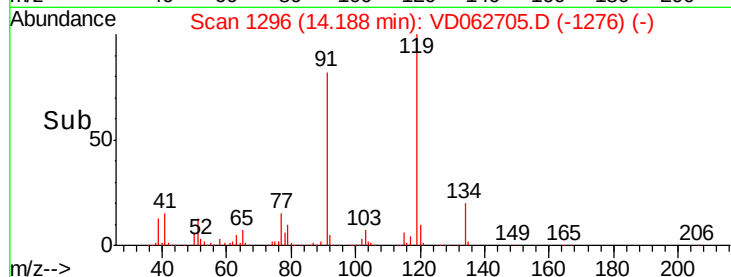
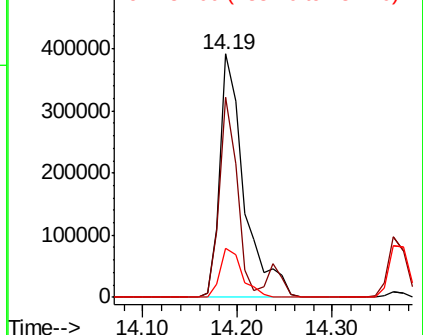
#83
 tert-Butylbenzene
 Concen: 19.775 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Tot Ion:119 Resp: 697602
 Ion Ratio Lower Upper
 119 100
 91 82.2 35.4 106.1
 134 20.3 10.8 32.3

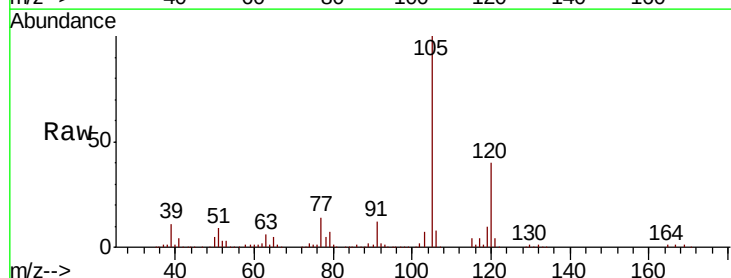


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

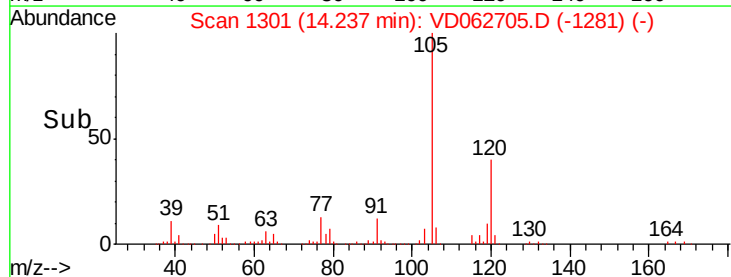
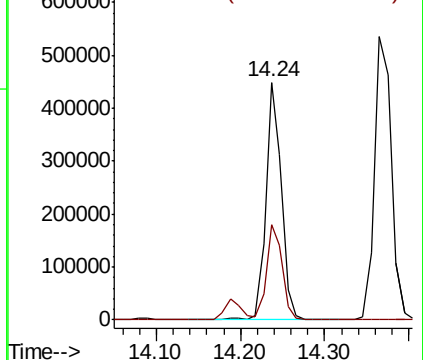


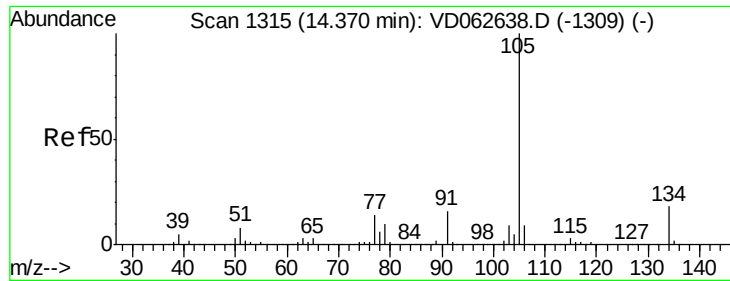
#84
 1,2,4-Trimethylbenzene
 Concen: 18.512 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion:105 Resp: 586222
 Ion Ratio Lower Upper
 105 100
 120 39.8 20.3 60.8



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

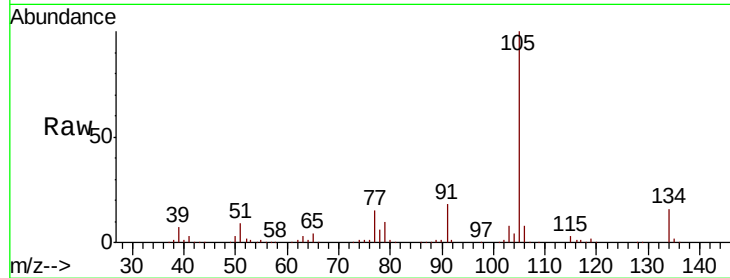




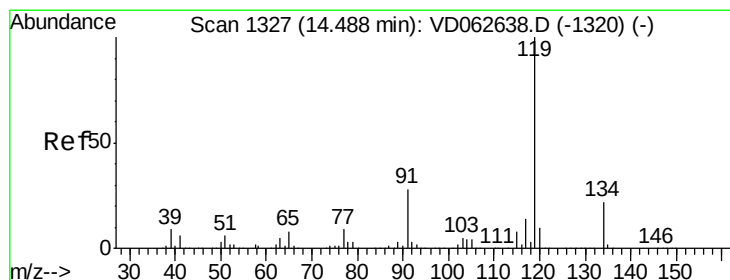
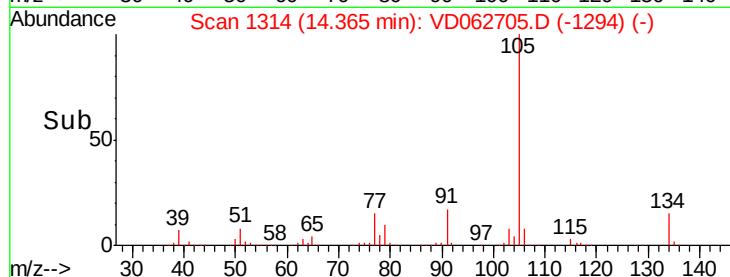
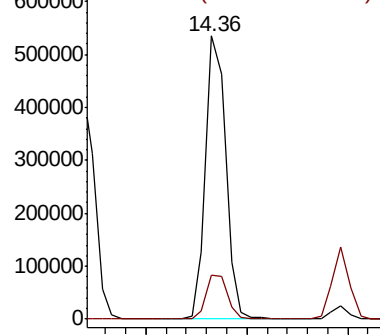
#85
 sec-Butylbenzene
 Concen: 20.079 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Tot Ion:105 Resp: 742724
 Ion Ratio Lower Upper
 105 100
 134 15.6 8.8 26.2

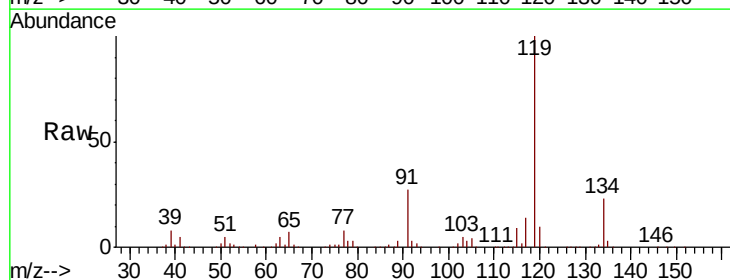


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

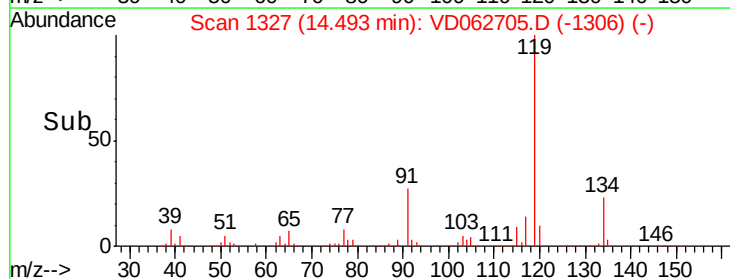
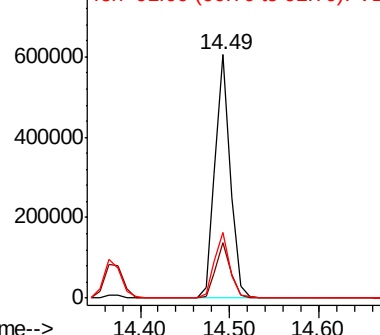


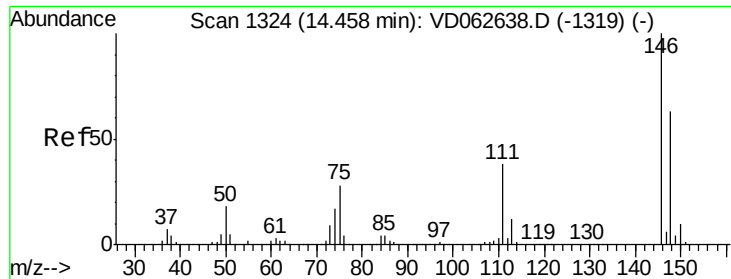
#86
 p-Isopropyltoluene
 Concen: 20.151 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion:119 Resp: 725740
 Ion Ratio Lower Upper
 119 100
 134 22.6 10.9 32.6
 91 27.0 13.9 41.6



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

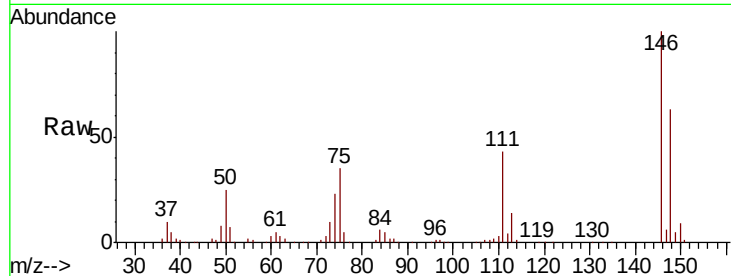




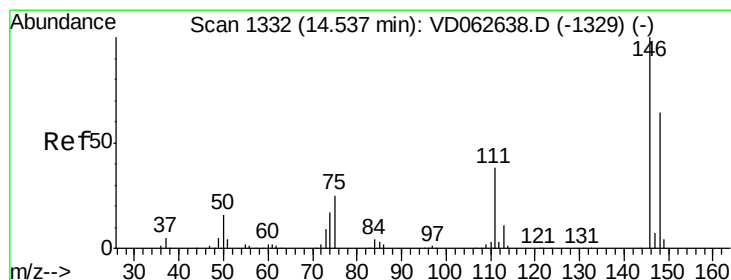
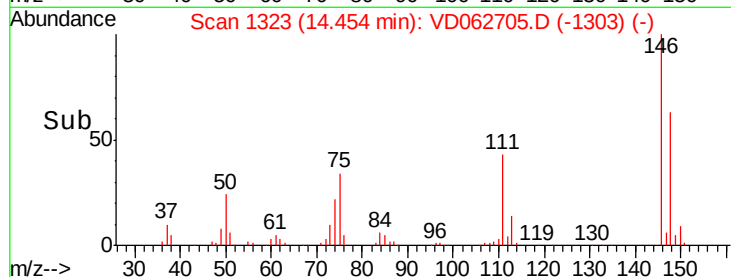
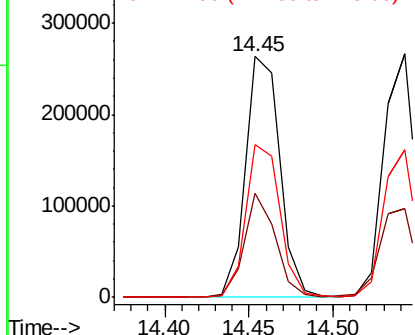
#87
 1,3-Dichlorobenzene
 Concen: 19.904 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Tot Ion:146 Resp: 372972
 Ion Ratio Lower Upper
 146 100
 111 43.4 19.2 57.6
 148 63.4 31.6 95.0

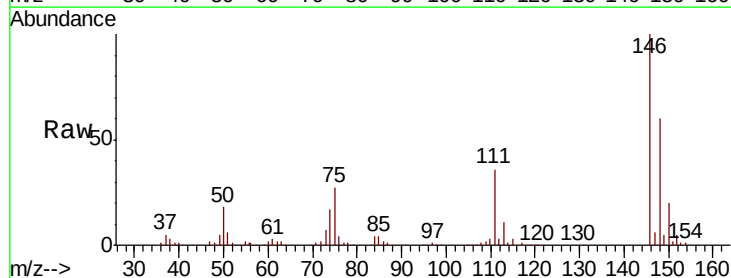


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

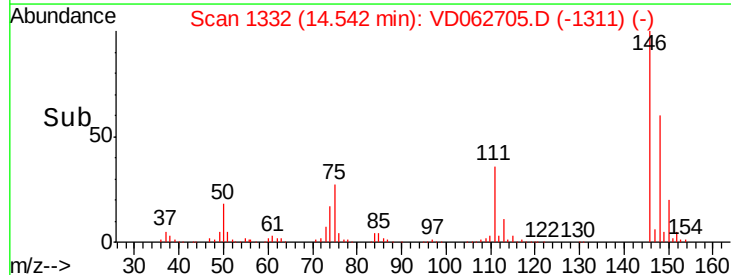
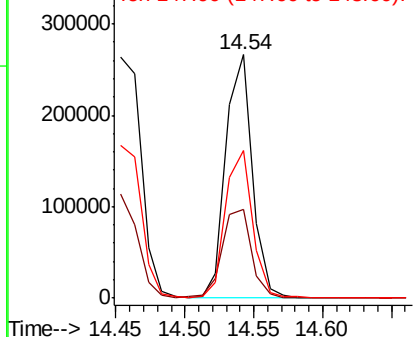


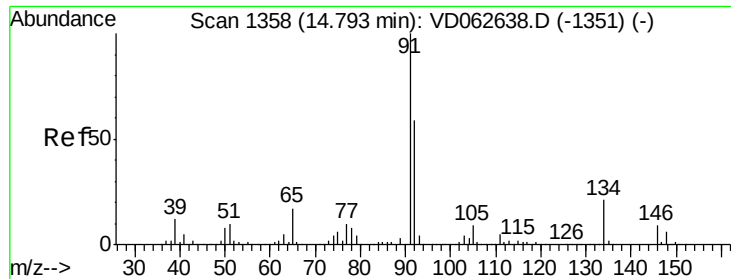
#88
 1,4-Dichlorobenzene
 Concen: 20.160 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion:146 Resp: 357013
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.9 56.7
 148 60.4 32.3 96.8



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





#89

n-Butylbenzene

Concen: 19.391 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD062705.D

Acq: 14 Jun 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

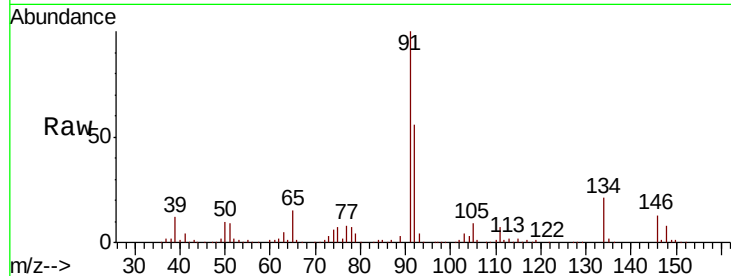
Tot Ion: 91 Resp: 628281

Ion Ratio Lower Upper

91 100

92 55.7 29.4 88.3

134 21.1 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

600000

400000

200000

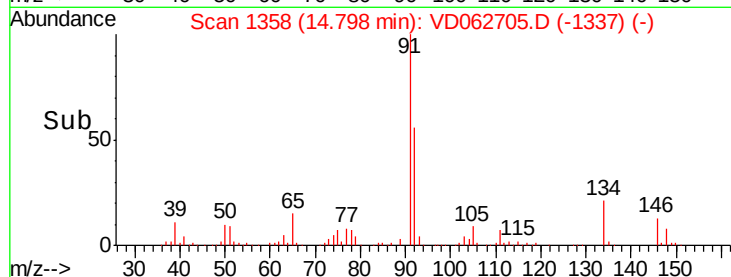
0

14.80

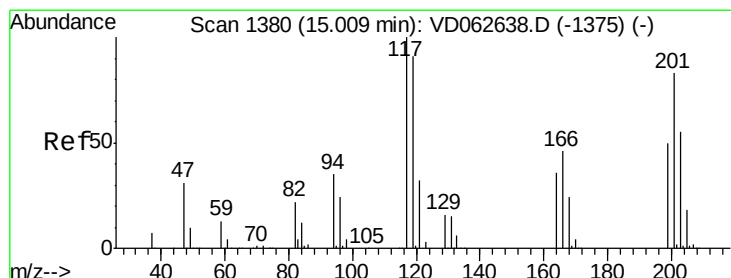
14.70

14.80

14.90



Time-->



#90

Hexachloroethane

Concen: 20.143 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD062705.D

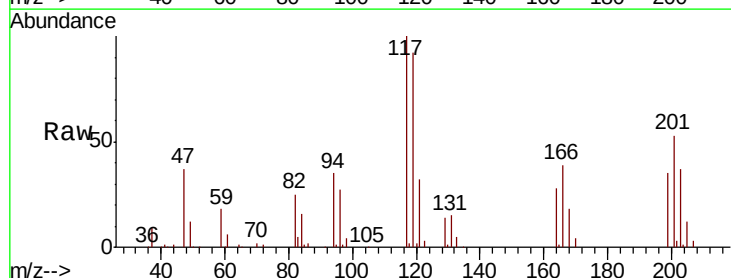
Acq: 14 Jun 2019 12:35

Tgt Ion: 117 Resp: 191516

Ion Ratio Lower Upper

117 100

201 52.9 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

150000

100000

50000

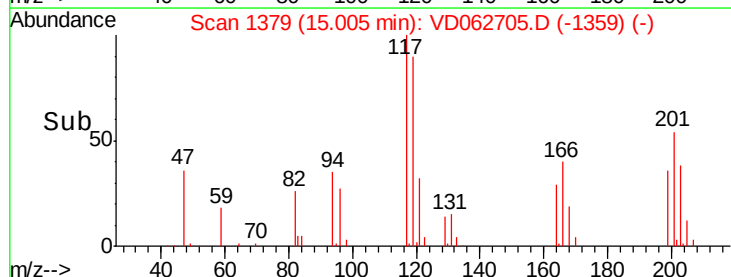
0

15.00

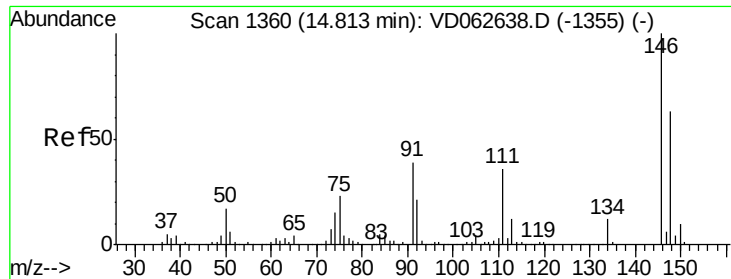
14.90

15.00

15.10



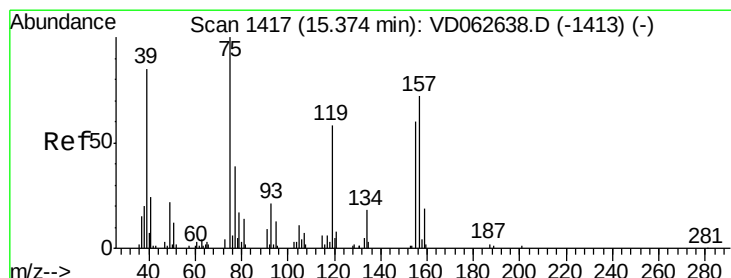
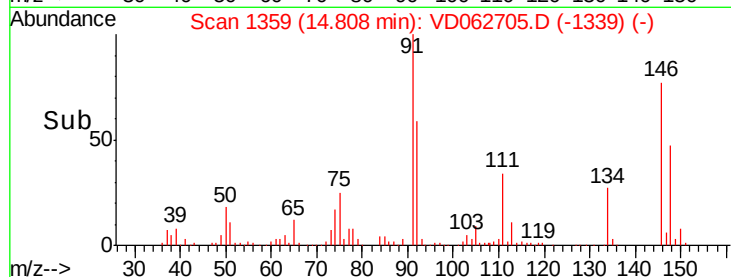
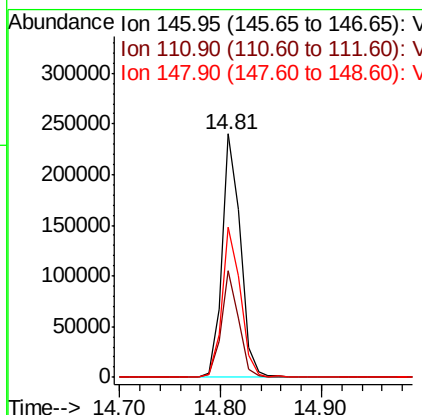
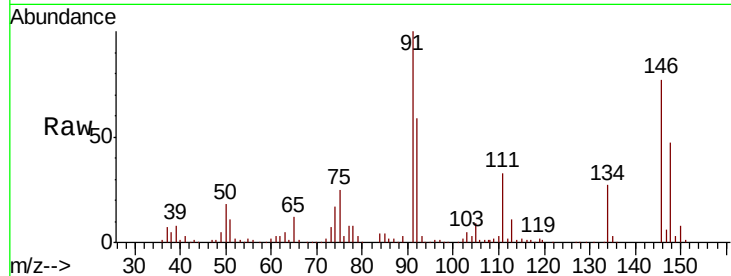
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 19.609 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

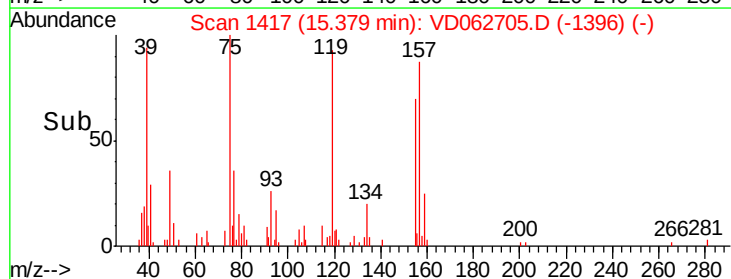
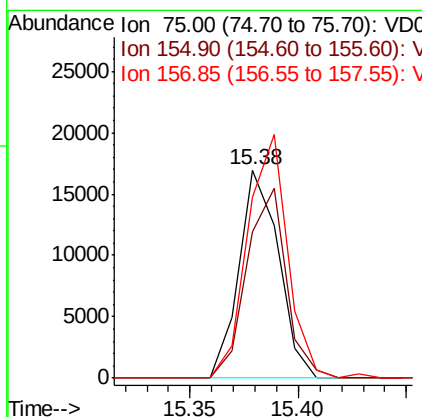
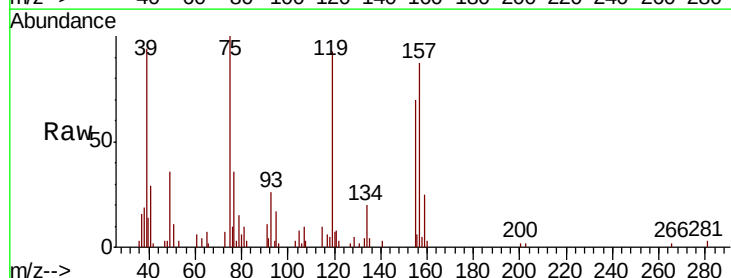
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

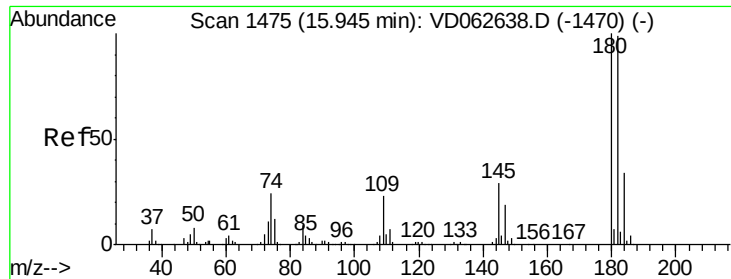
Tot Ion:146 Resp: 305438
 Ion Ratio Lower Upper
 146 100
 111 43.7 18.1 54.3
 148 61.8 31.4 94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.442 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion: 75 Resp: 21747
 Ion Ratio Lower Upper
 75 100
 155 70.1 30.1 90.5
 157 86.8 35.9 107.8

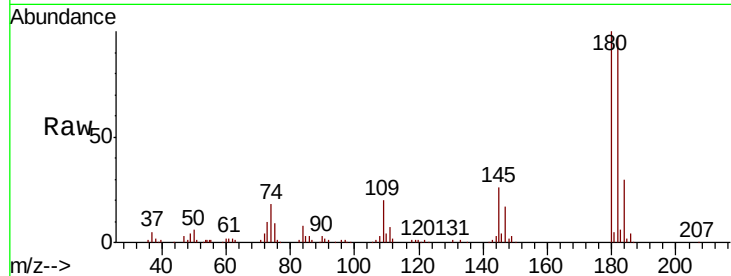




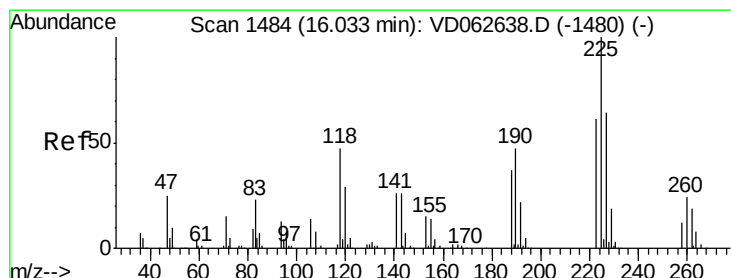
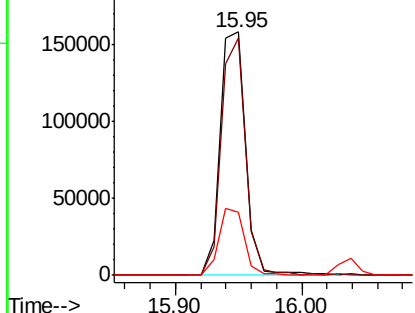
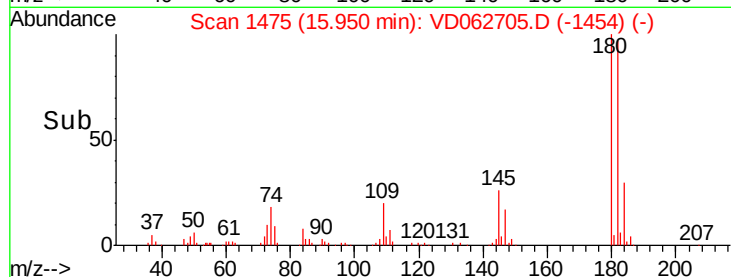
#93
 1,2,4-Trichlorobenzene
 Concen: 19.115 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Tot Ion:180 Resp: 221217
 Ion Ratio Lower Upper
 180 100
 182 97.4 49.4 148.2
 145 25.8 14.5 43.6

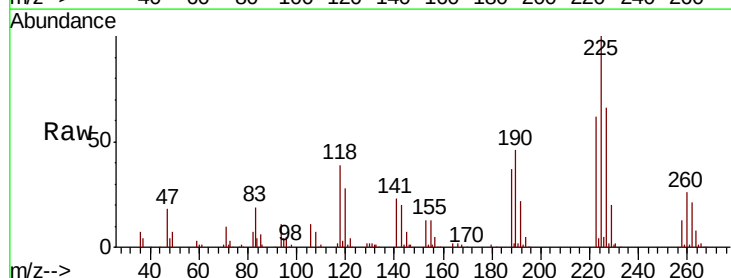


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

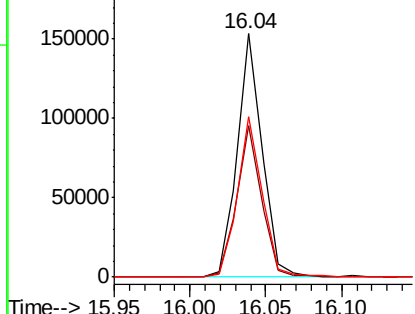
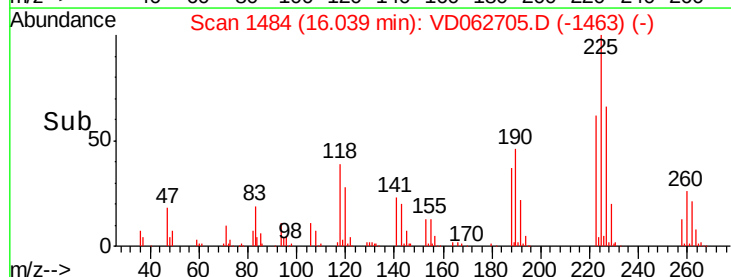


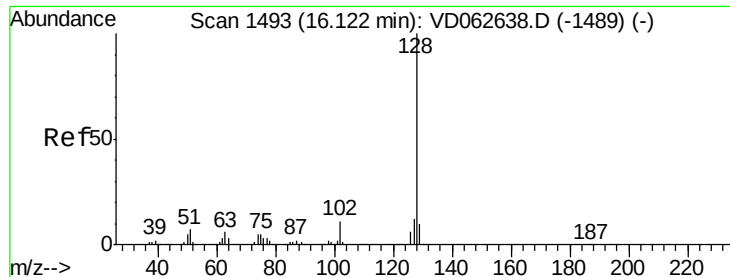
#94
 Hexachlorobutadiene
 Concen: 19.005 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062705.D
 Acq: 14 Jun 2019 12:35

Tgt Ion:225 Resp: 174780
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.3 91.0
 227 65.8 31.8 95.4



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

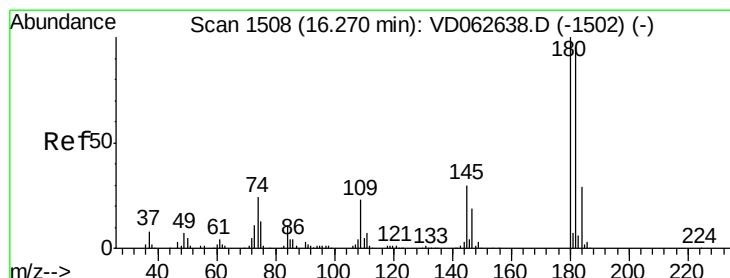
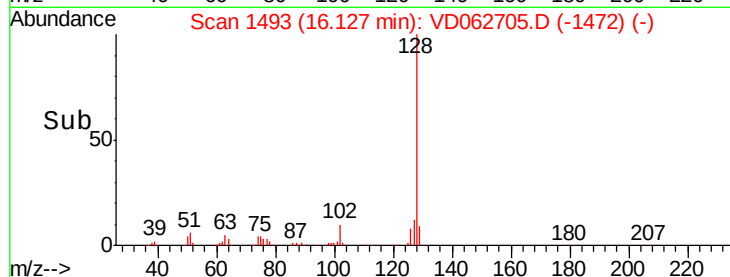
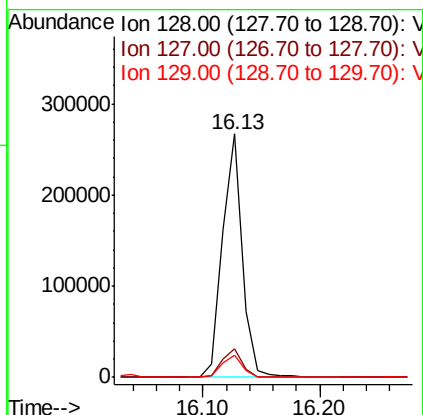
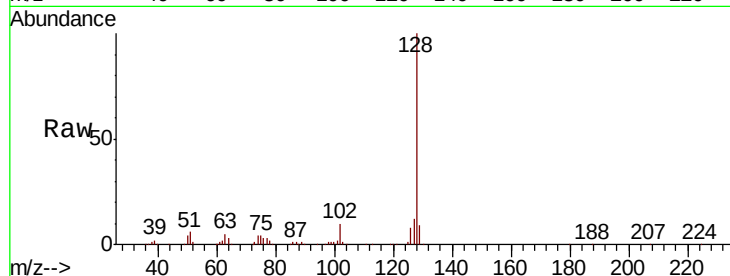




#95
Naphthalene
Concen: 19.141 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

Tot Ion:128 Resp: 313988
Ion Ratio Lower Upper
128 100
127 11.6 9.7 14.5
129 9.3 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 19.110 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD062705.D
Acq: 14 Jun 2019 12:35

Tgt Ion:180 Resp: 171452
Ion Ratio Lower Upper
180 100
182 95.0 47.7 143.1
145 29.0 15.0 45.0

