

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050719\
 Data File : VD062136.D
 Acq On : 7 May 2019 11:38
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: May 07 13:45:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 13:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	973606	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1412415	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	1093653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	587223	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	40573	4.38	ug/l	0.01
Spiked Amount	50.000		Recovery	=	8.76%	
35) Dibromofluoromethane	6.91	113	53520	4.19	ug/l	0.02
Spiked Amount	50.000		Recovery	=	8.38%	
50) Toluene-d8	10.40	98	126686	4.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.08%	
62) 4-Bromofluorobenzene	13.55	95	54781	4.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	46342	4.920	ug/l	93
3) Chloromethane	1.75	50	36374	5.654	ug/l #	86
4) Vinyl Chloride	1.85	62	30429	4.410	ug/l	97
5) Bromomethane	2.14	94	7721	4.672	ug/l	93
6) Chloroethane	2.26	64	14989	4.950	ug/l	95
7) Trichlorofluoromethane	2.52	101	64445	4.929	ug/l	91
8) Diethyl Ether	2.86	74	11108	4.412	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.14	101	46669	4.605	ug/l	90
10) Methyl Iodide	3.29	142	73853	4.943	ug/l	96
11) Tert butyl alcohol	4.05	59	11283	25.196	ug/l #	76
12) 1,1-Dichloroethene	3.11	96	33747	4.179	ug/l	93
13) Acrolein	3.02	56	10429	22.757	ug/l	88
14) Allyl chloride	3.61	41	51233	4.544	ug/l	87
15) Acrylonitrile	4.18	53	29078	24.354	ug/l #	78
16) Acetone	3.21	43	47294	24.292	ug/l	93
17) Carbon Disulfide	3.37	76	96215	4.350	ug/l	99
18) Methyl Acetate	3.63	43	29118	8.823	ug/l	92
19) Methyl tert-butyl Ether	4.22	73	73101	4.545	ug/l	97
20) Methylene Chloride	3.80	84	42524	5.524	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	40688	4.635	ug/l	97
22) Diisopropyl ether	5.10	45	116568	5.061	ug/l #	93
23) Vinyl Acetate	5.03	43	251028	19.926	ug/l	96
24) 1,1-Dichloroethane	4.95	63	66101	4.886	ug/l	98
25) 2-Butanone	6.05	43	49700	24.977	ug/l	95
26) 2,2-Dichloropropane	6.01	77	70741	5.280	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	46257	5.110	ug/l	97
28) Bromochloromethane	6.42	49	22621	4.203	ug/l	91
29) Tetrahydrofuran	6.44	42	23276	26.199	ug/l	92
30) Chloroform	6.65	83	81138	4.855	ug/l	88
31) Cyclohexane	6.94	56	45223	4.628	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	77133	4.768	ug/l	96
36) 1,1-Dichloropropene	7.13	75	56793	4.823	ug/l	93
37) Ethyl Acetate	6.16	43	21628	4.237	ug/l #	92
38) Carbon Tetrachloride	7.09	117	75170	4.503	ug/l	96

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 Data File : VD062136.D
 Acq On : 7 May 2019 11:38
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 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: May 07 13:45:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 13:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	49654	4.195	ug/l	94
40) Benzene	7.44	78	120440	4.511	ug/l	99
41) Methacrylonitrile	6.43	41	26957	4.495	ug/l #	83
42) 1,2-Dichloroethane	7.56	62	50954	4.474	ug/l	98
43) Isopropyl Acetate	9.23	43	30313	4.268	ug/l	97
44) Trichloroethene	8.53	130	46212	4.402	ug/l	93
45) 1,2-Dichloropropane	8.93	63	31196	4.720	ug/l	96
46) Dibromomethane	9.05	93	23513	4.335	ug/l	86
47) Bromodichloromethane	9.36	83	58923	4.449	ug/l	98
48) Methyl methacrylate	9.11	41	20209	4.722	ug/l	86
49) 1,4-Dioxane	9.07	88	4290	92.100	ug/l #	78
51) 4-Methyl-2-Pentanone	10.29	43	107746	24.345	ug/l	94
52) Toluene	10.50	92	78047	4.441	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	46894	4.040	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	55423	4.256	ug/l #	79
55) 1,1,2-Trichloroethane	11.18	97	27097	4.202	ug/l	91
56) Ethyl methacrylate	11.03	69	28857	4.295	ug/l #	91
57) 1,3-Dichloropropane	11.39	76	38738	3.881	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	77092	21.493	ug/l	98
59) 2-Hexanone	11.52	43	76373	22.961	ug/l	96
60) Dibromochloromethane	11.68	129	47517	4.366	ug/l	96
61) 1,2-Dibromoethane	11.79	107	34693	4.681	ug/l	92
64) Tetrachloroethene	11.24	164	44991	5.057	ug/l	91
65) Chlorobenzene	12.38	112	103079	5.135	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	44944	4.732	ug/l	94
67) Ethyl Benzene	12.51	91	186393	5.163	ug/l	98
68) m/p-Xylenes	12.66	106	130480	9.609	ug/l	96
69) o-Xylene	13.04	106	58203	4.775	ug/l	100
70) Styrene	13.06	104	104559	5.247	ug/l	97
71) Bromoform	13.22	173	28432	4.316	ug/l	100
73) Isopropylbenzene	13.40	105	169387	4.835	ug/l	95
74) N-amyl acetate	13.26	43	41905	4.630	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	31628	5.037	ug/l	95
76) 1,2,3-Trichloropropane	13.72	75	33214	5.124	ug/l	96
77) Bromobenzene	13.66	156	48364	5.303	ug/l	95
78) n-propylbenzene	13.76	91	206412	5.205	ug/l	94
79) 2-Chlorotoluene	13.83	91	119283	5.093	ug/l	86
80) 1,3,5-Trimethylbenzene	13.93	105	156524	5.447	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	8361	4.138	ug/l #	84
82) 4-Chlorotoluene	13.94	91	151423	5.477	ug/l	91
83) tert-Butylbenzene	14.19	119	169664	5.091	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	152570	5.271	ug/l	87
85) sec-Butylbenzene	14.36	105	180250	5.053	ug/l	99
86) p-Isopropyltoluene	14.48	119	166097	4.882	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	84134	4.793	ug/l	94
88) 1,4-Dichlorobenzene	14.53	146	92505	5.558	ug/l	96
89) n-Butylbenzene	14.80	91	159604	5.793	ug/l	95
90) Hexachloroethane	15.00	117	39177	4.418	ug/l	76
91) 1,2-Dichlorobenzene	14.81	146	75306	5.501	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	4661	4.397	ug/l	90

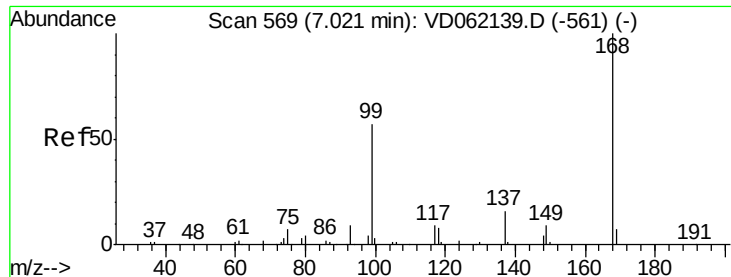
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD050719\
Data File : VD062136.D
Acq On : 7 May 2019 11:38
Operator : FY/SY
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: May 07 13:45:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 13:42:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	49960	5.007	ug/l	93
94) Hexachlorobutadiene	16.04	225	36201	4.682	ug/l	98
95) Naphthalene	16.11	128	63412	4.246	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	31328	4.757	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

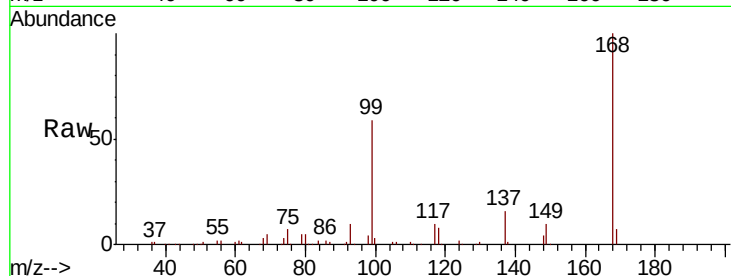
VSTDIC005

Tgt Ion:168 Resp: 973606

Ion Ratio Lower Upper

168 100

99 58.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.03

300000

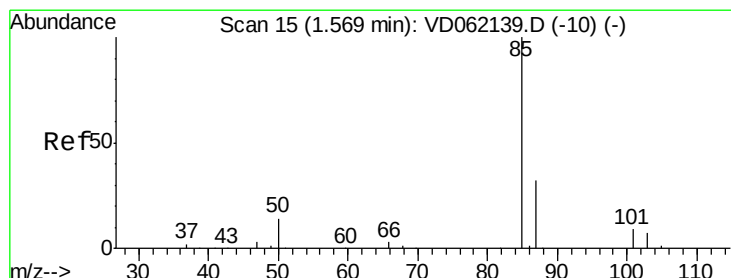
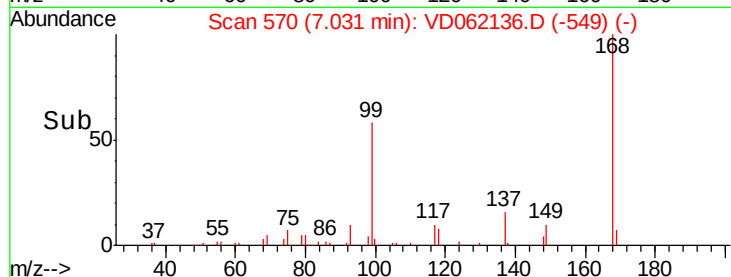
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 4.920 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062136.D

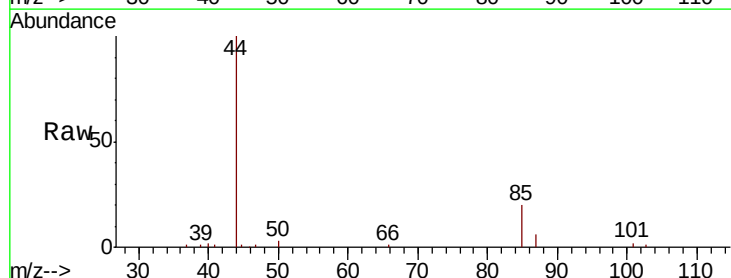
Acq: 7 May 2019 11:38

Tgt Ion: 85 Resp: 46342

Ion Ratio Lower Upper

85 100

87 28.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.57

20000

15000

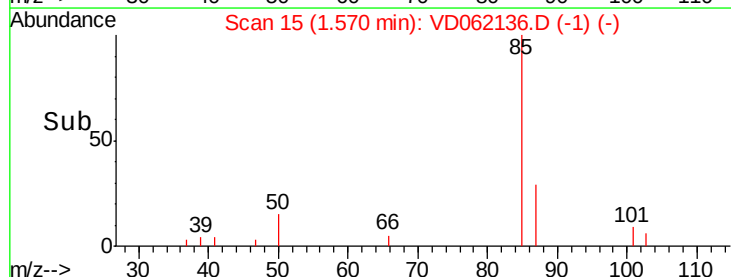
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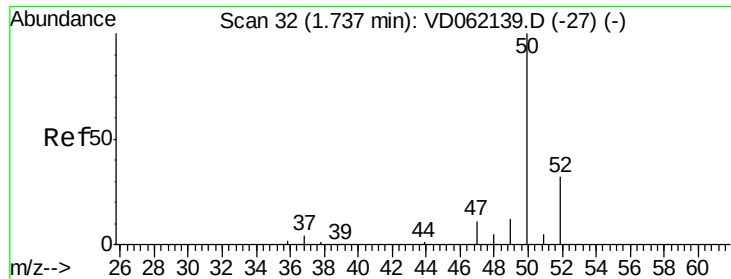
5000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 5.654 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

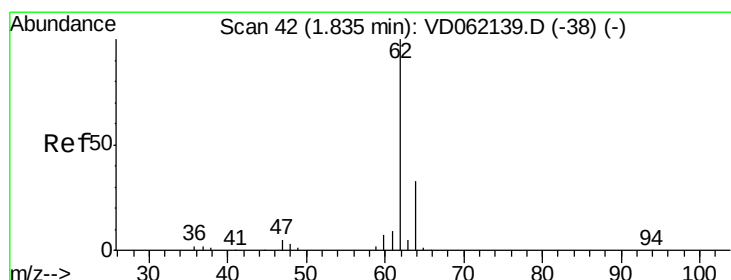
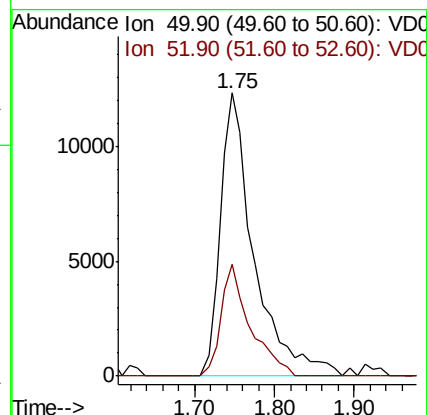
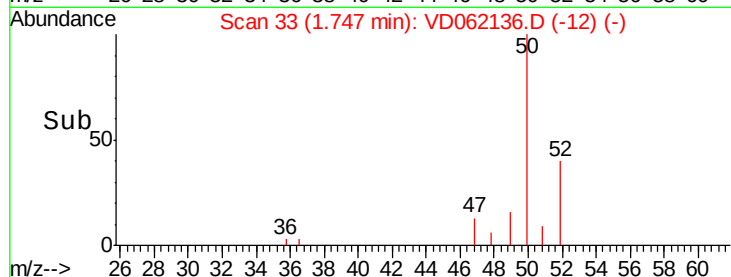
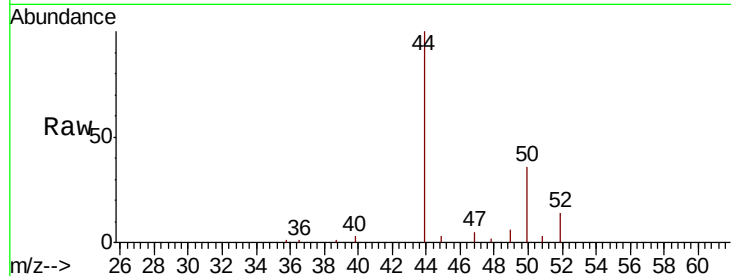
VSTDIC005

Tgt Ion: 50 Resp: 36374

Ion Ratio Lower Upper

50 100

52 39.5 25.2 37.8#



#4

Vinyl Chloride

Concen: 4.410 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062136.D

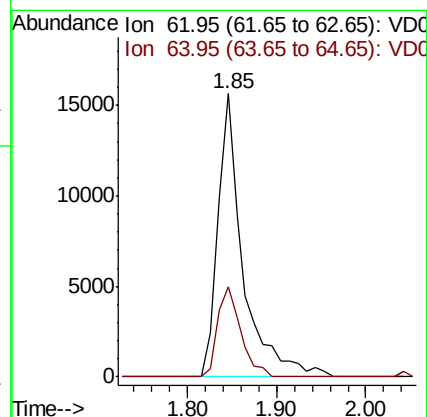
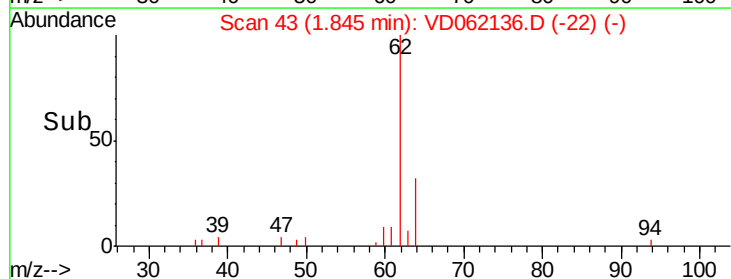
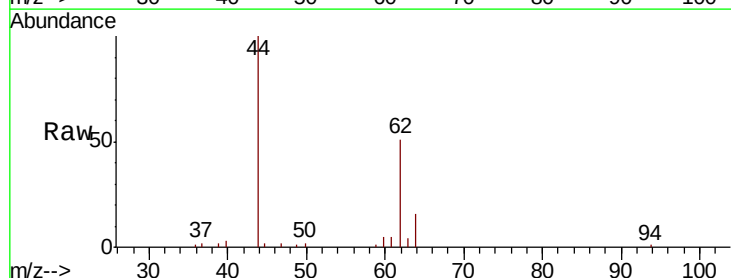
Acq: 7 May 2019 11:38

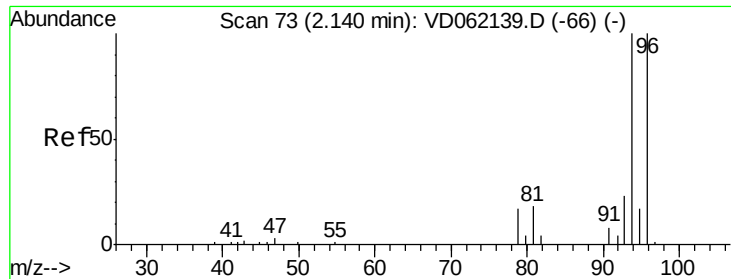
Tgt Ion: 62 Resp: 30429

Ion Ratio Lower Upper

62 100

64 31.7 26.5 39.7





#5

Bromomethane

Concen: 4.672 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

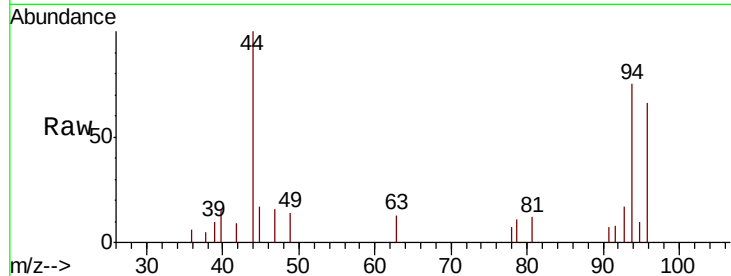
Tgt Ion: 94 Resp: 7721

Ion Ratio Lower Upper

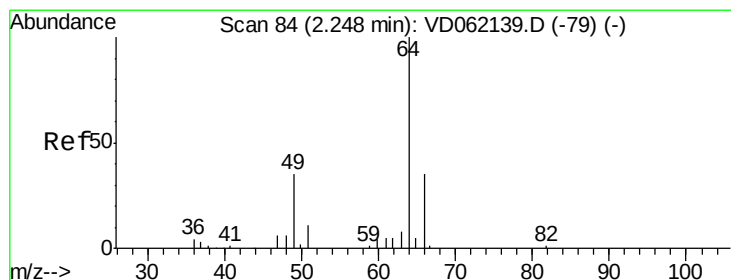
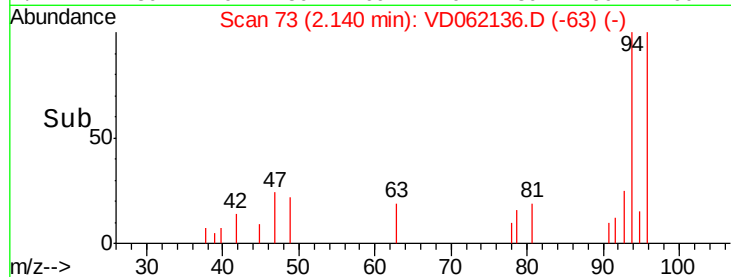
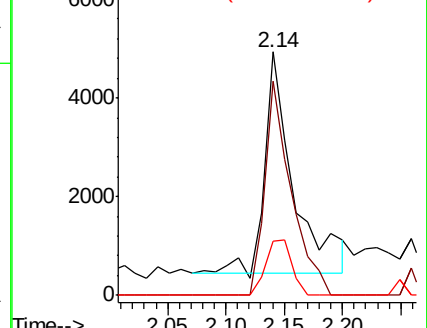
94 100

96 88.1 76.6 115.0

93 22.3 18.5 27.7



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: 4.950 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062136.D

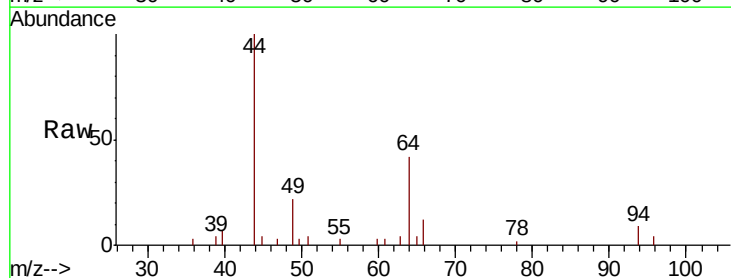
Acq: 7 May 2019 11:38

Tgt Ion: 64 Resp: 14989

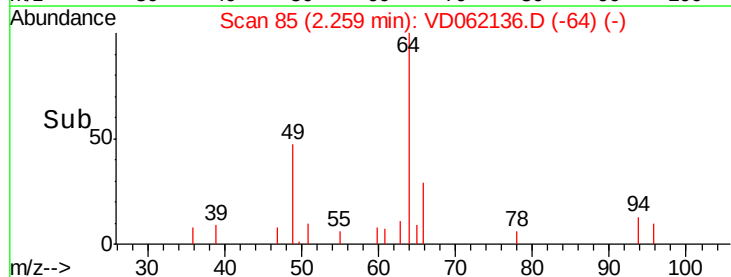
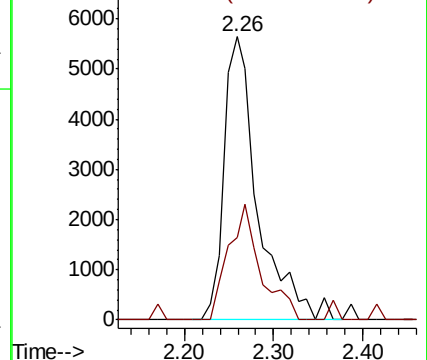
Ion Ratio Lower Upper

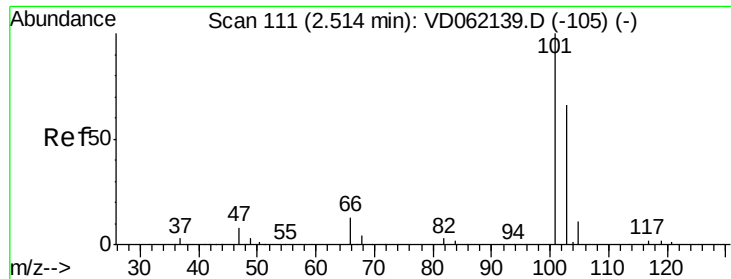
64 100

66 29.1 25.6 38.4



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



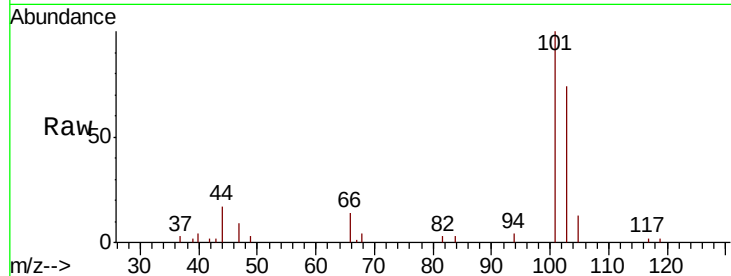


#7

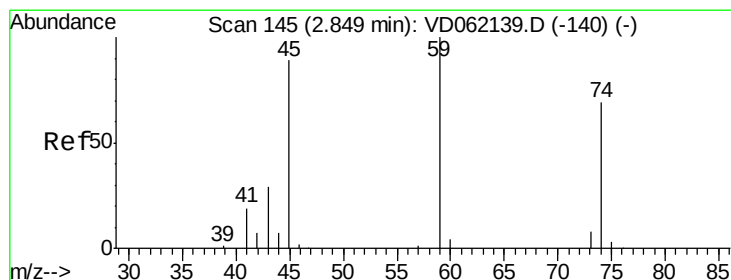
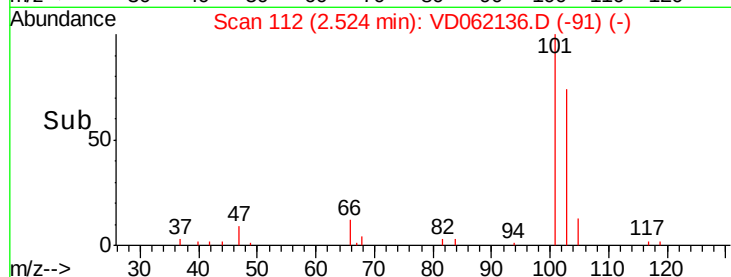
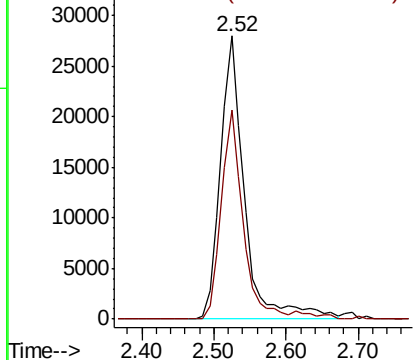
Trichlorofluoromethane
Concen: 4.929 ug/l
RT: 2.52 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 64445
Ion Ratio Lower Upper
101 100
103 74.0 53.6 80.4



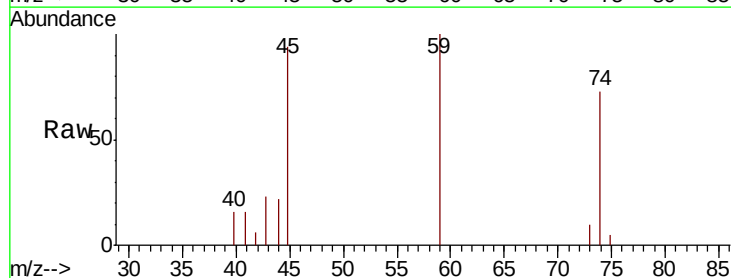
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



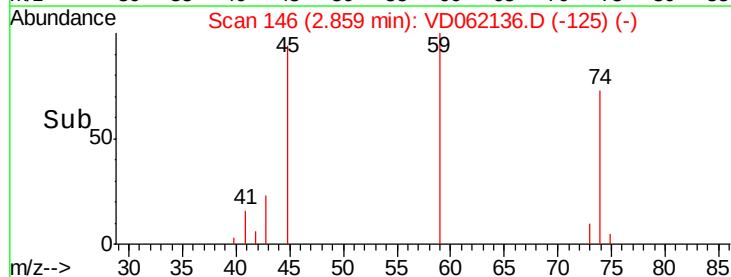
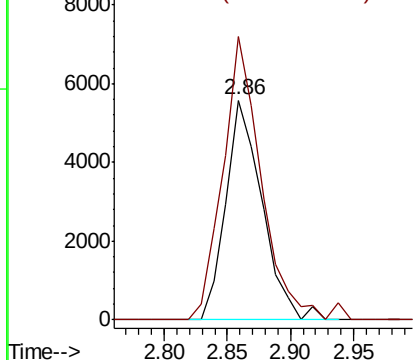
#8

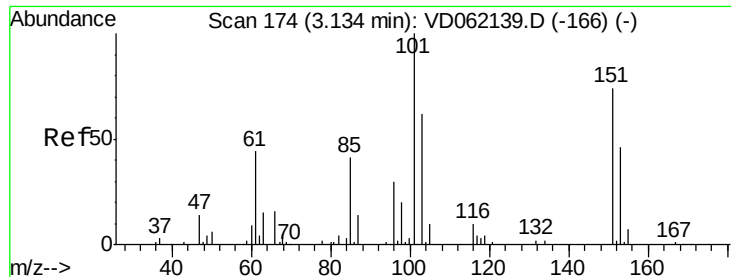
Diethyl Ether
Concen: 4.412 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion: 74 Resp: 11108
Ion Ratio Lower Upper
74 100
45 128.7 56.9 170.7



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: 4.605 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

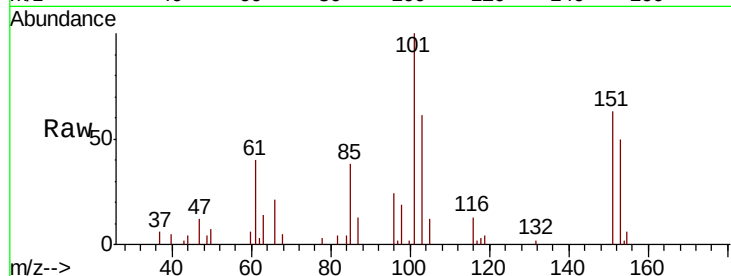
Tgt Ion:101 Resp: 46669

Ion Ratio Lower Upper

101 100

85 37.6 32.4 48.6

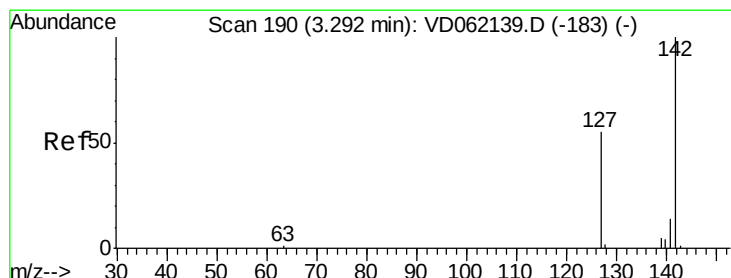
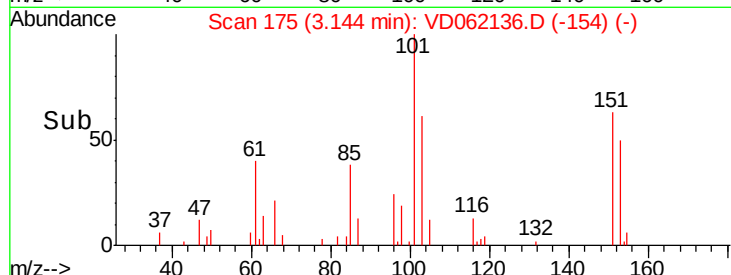
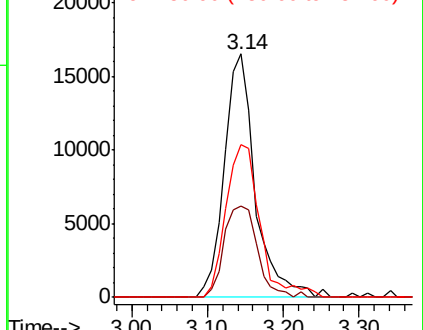
151 62.7 59.4 89.0



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: 4.943 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

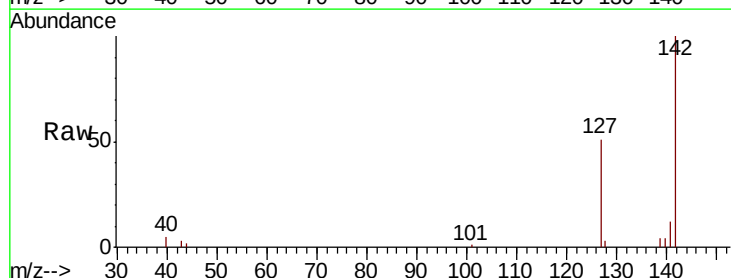
Tgt Ion:142 Resp: 73853

Ion Ratio Lower Upper

142 100

127 51.0 38.8 58.2

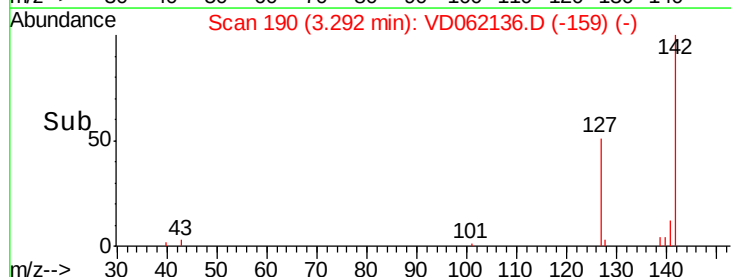
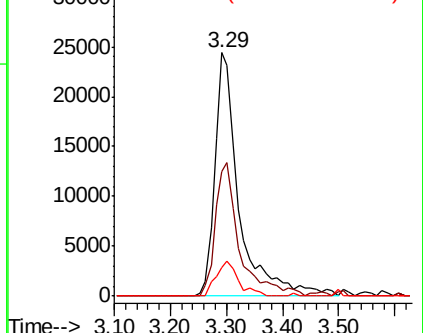
141 11.9 11.4 17.0

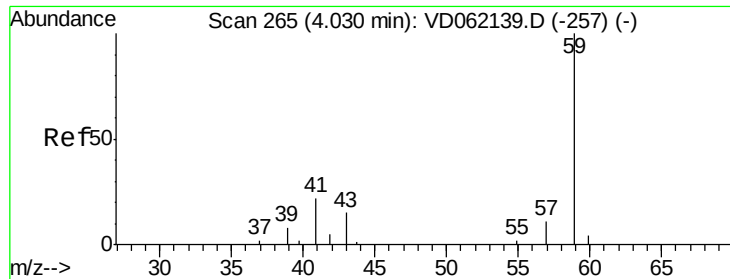


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

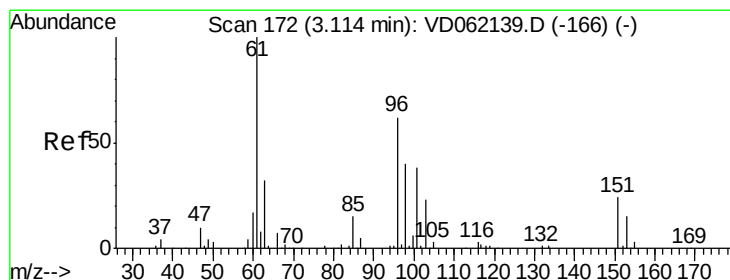
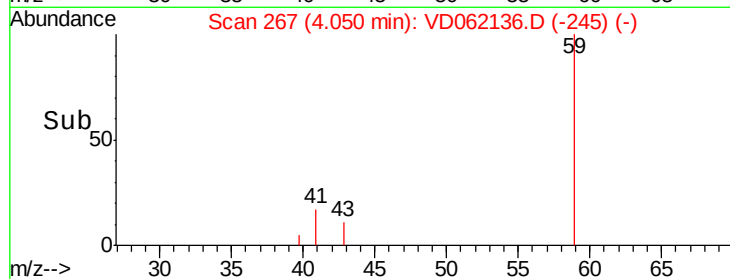
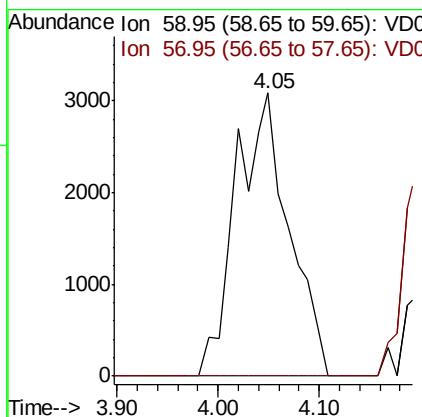
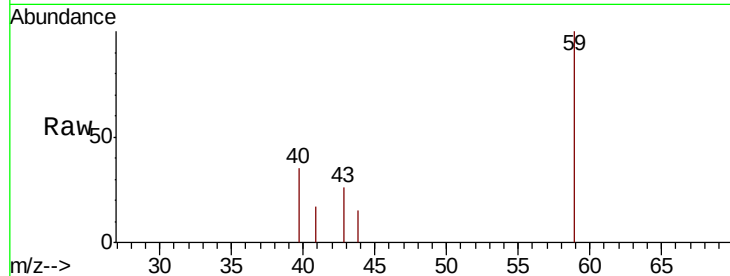




#11
Tert butyl alcohol
Concen: 25.196 ug/l
RT: 4.05 min Scan# 267
Delta R.T. 0.02 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

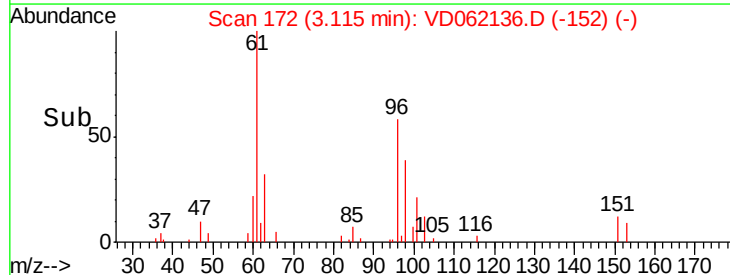
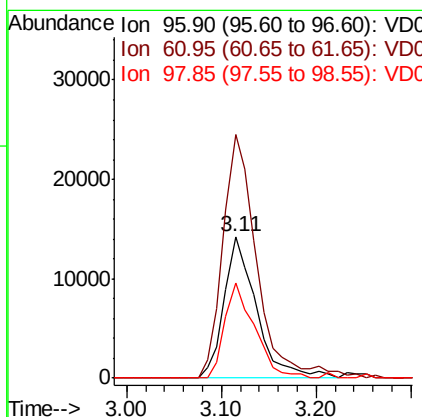
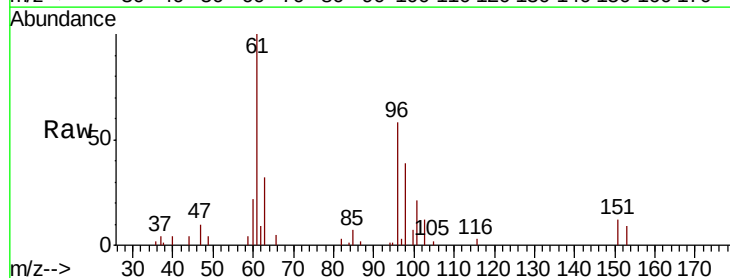
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

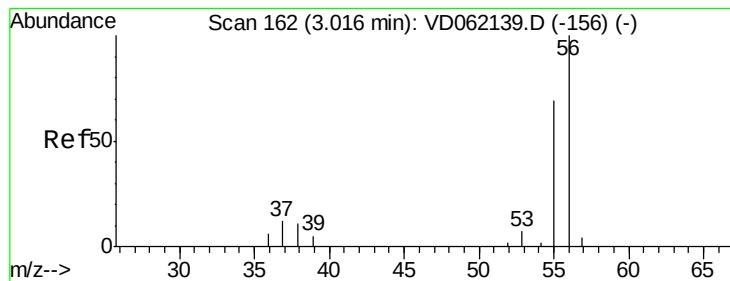
Tgt Ion: 59 Resp: 11283
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 4.179 ug/l
RT: 3.11 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion: 96 Resp: 33747
Ion Ratio Lower Upper
96 100
61 172.3 129.8 194.8
98 67.5 51.2 76.8





#13

Acrolein

Concen: 22.757 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

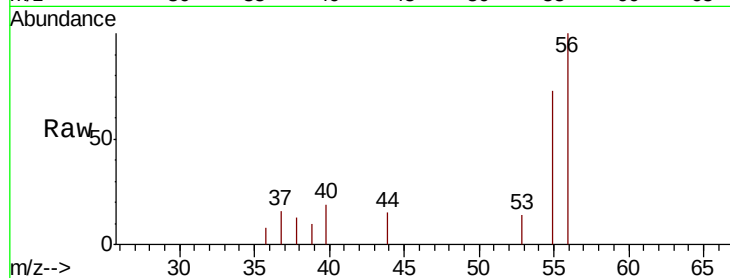
VSTDIC005

Tgt Ion: 56 Resp: 10429

Ion Ratio Lower Upper

56 100

55 73.5 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

5000

4000

3000

2000

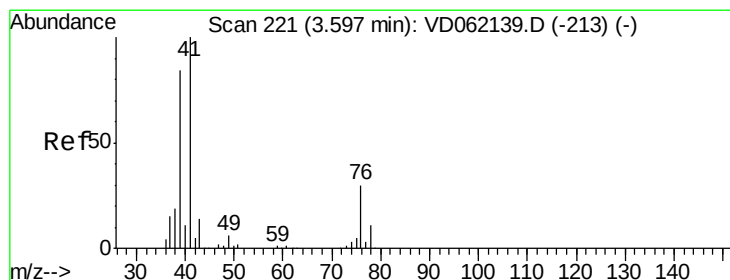
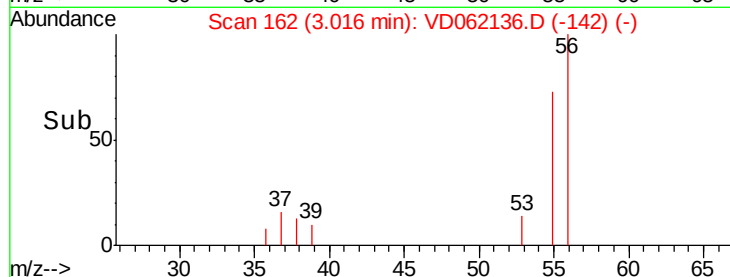
1000

0

Time-->

2.95 3.00 3.05 3.10

3.02



#14

Allyl chloride

Concen: 4.544 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

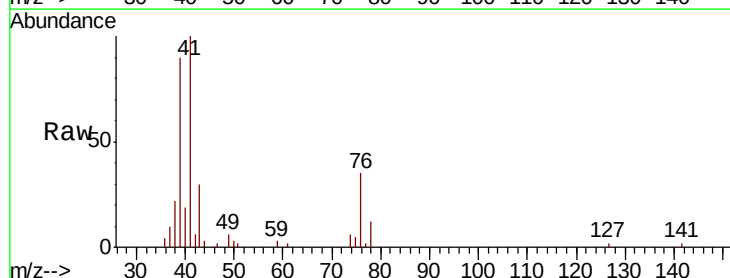
Tgt Ion: 41 Resp: 51233

Ion Ratio Lower Upper

41 100

39 89.5 60.5 90.7

76 35.2 31.8 47.8



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

25000

20000

15000

10000

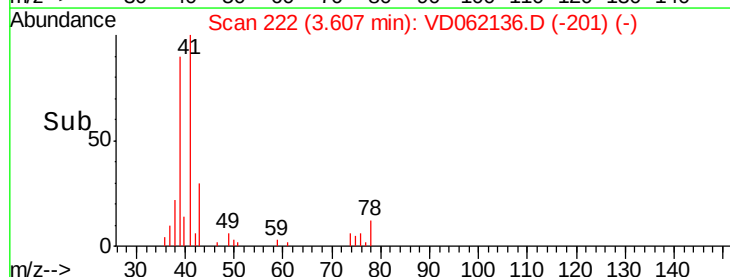
5000

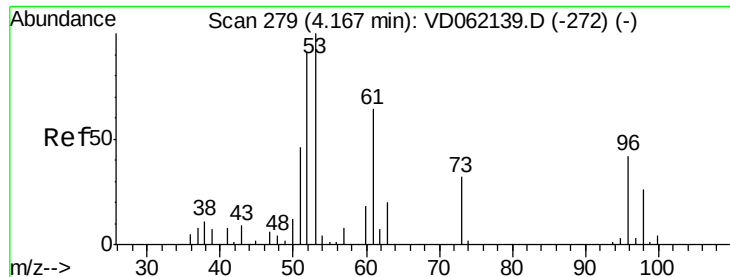
0

Time-->

3.50 3.60 3.70

3.61





#15

Acrylonitrile

Concen: 24.354 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

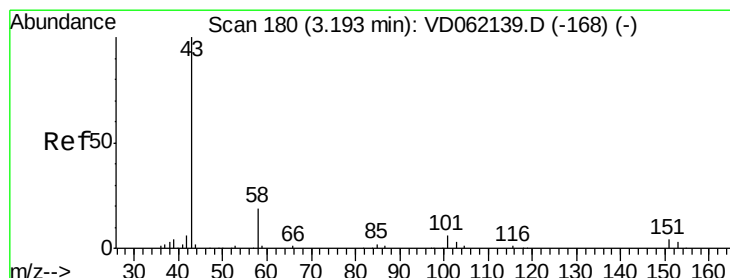
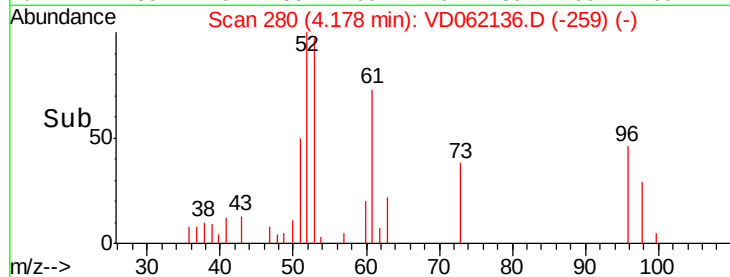
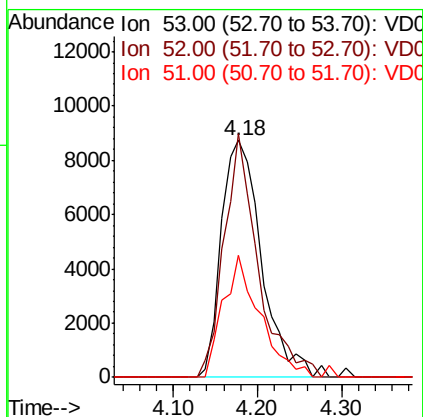
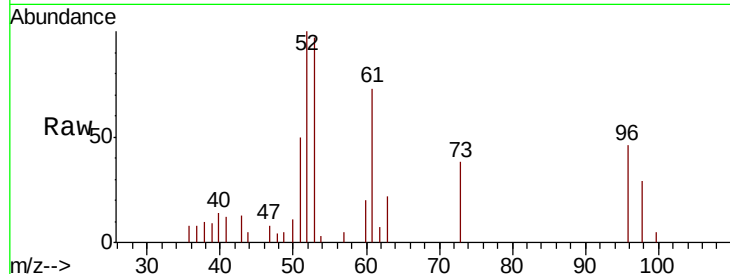
Tgt Ion: 53 Resp: 29078

Ion Ratio Lower Upper

53 100

52 102.9 65.0 97.4#

51 51.3 32.6 48.8#



#16

Acetone

Concen: 24.292 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062136.D

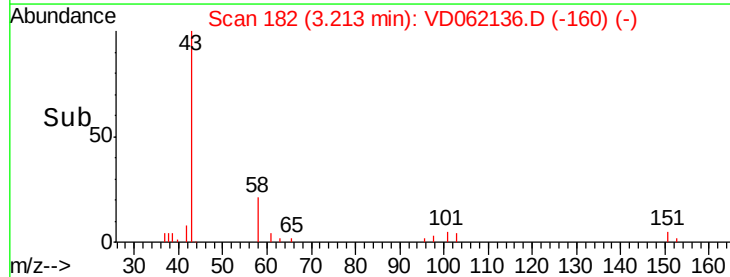
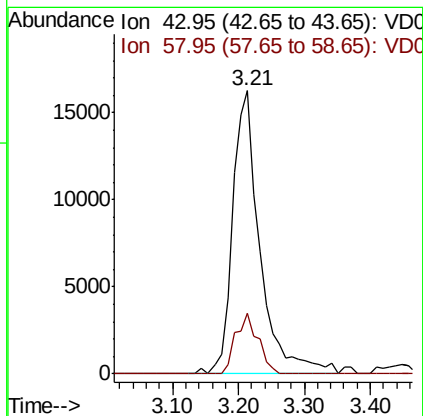
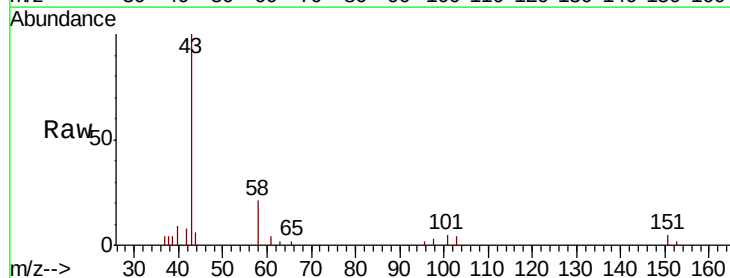
Acq: 7 May 2019 11:38

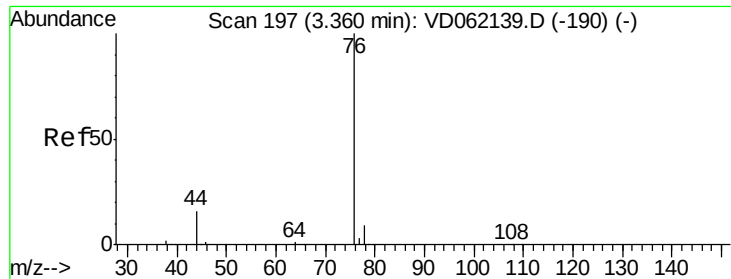
Tgt Ion: 43 Resp: 47294

Ion Ratio Lower Upper

43 100

58 21.3 19.9 29.9





#17

Carbon Disulfide

Concen: 4.350 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

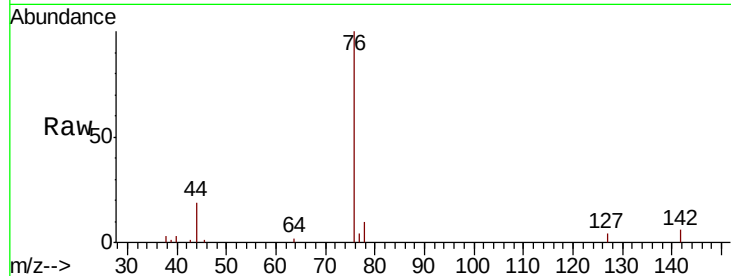
VSTDIC005

Tgt Ion: 76 Resp: 96215

Ion Ratio Lower Upper

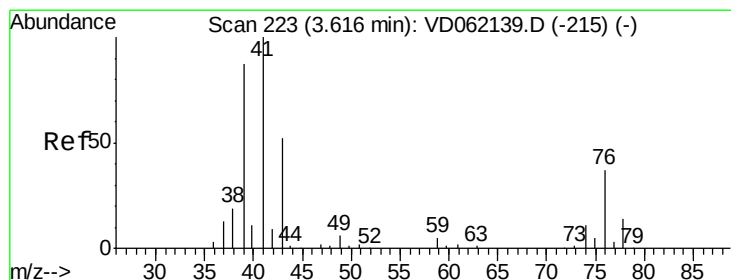
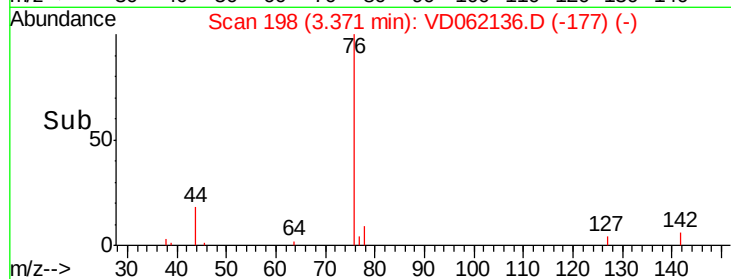
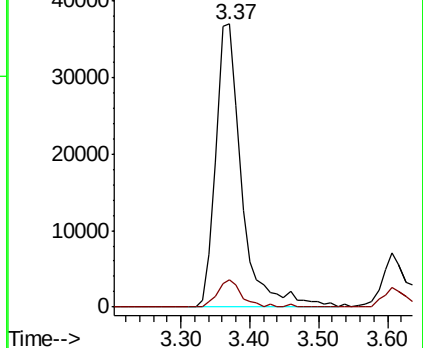
76 100

78 9.5 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 8.823 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062136.D

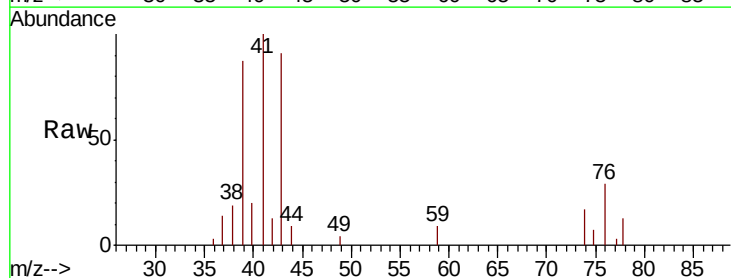
Acq: 7 May 2019 11:38

Tgt Ion: 43 Resp: 29118

Ion Ratio Lower Upper

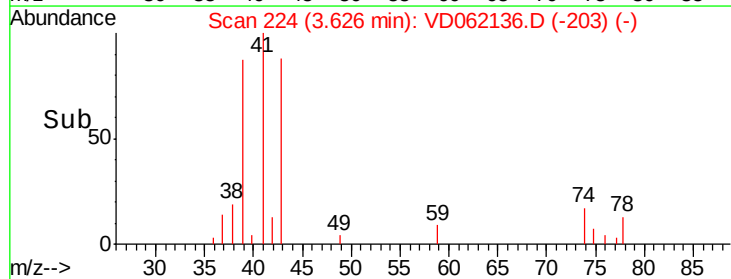
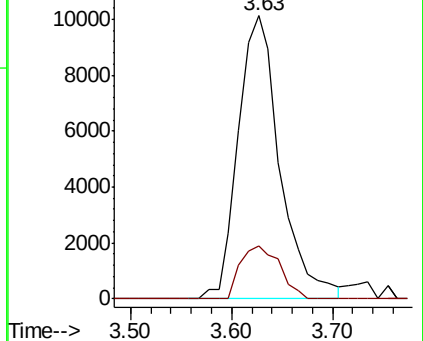
43 100

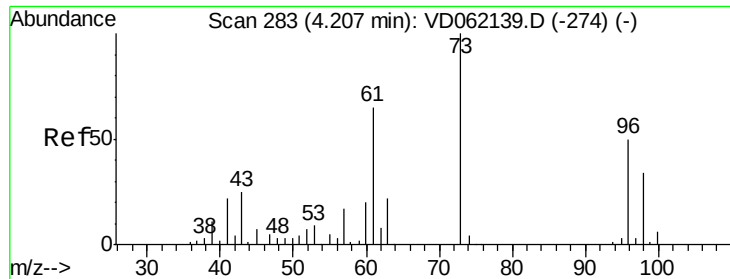
74 18.9 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

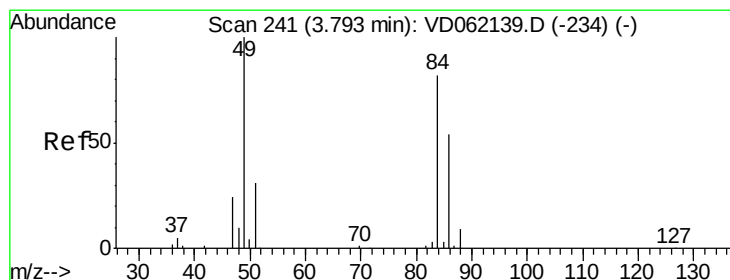
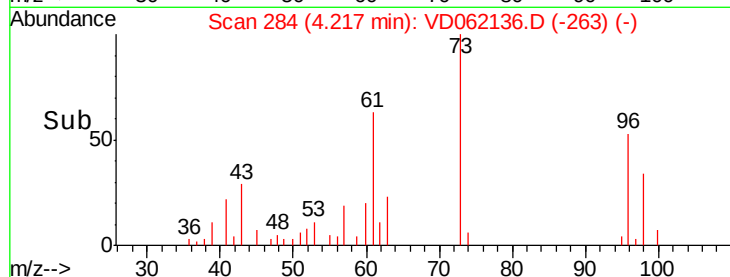
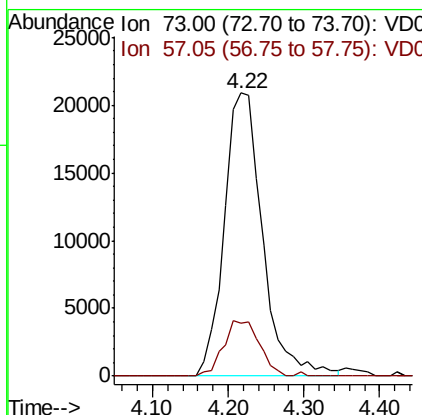
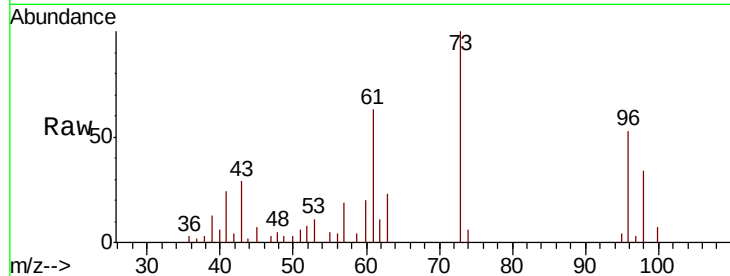




#19
Methyl tert-butyl Ether
Concen: 4.545 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

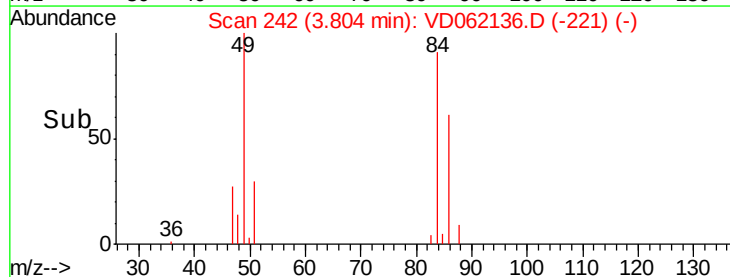
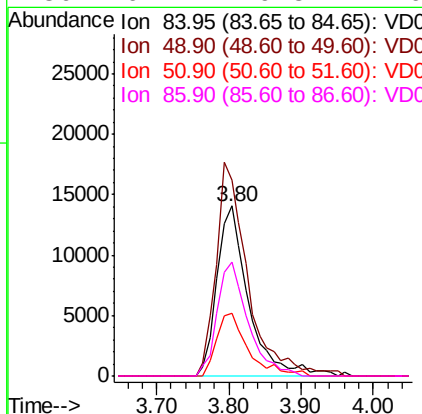
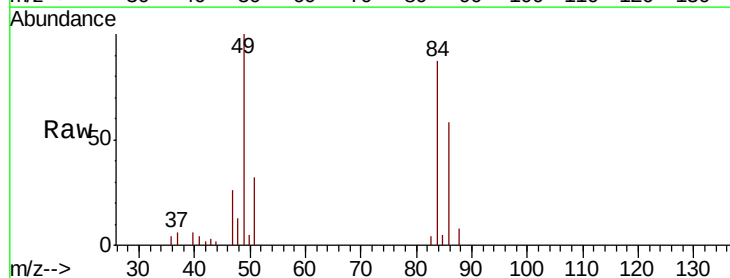
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

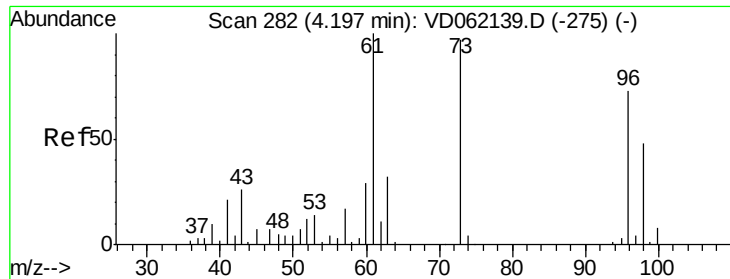
Tgt Ion: 73 Resp: 73101
Ion Ratio Lower Upper
73 100
57 18.9 16.3 24.5



#20
Methylene Chloride
Concen: 5.524 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion: 84 Resp: 42524
Ion Ratio Lower Upper
84 100
49 115.3 94.0 141.0
51 36.6 29.0 43.4
86 67.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 4.635 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

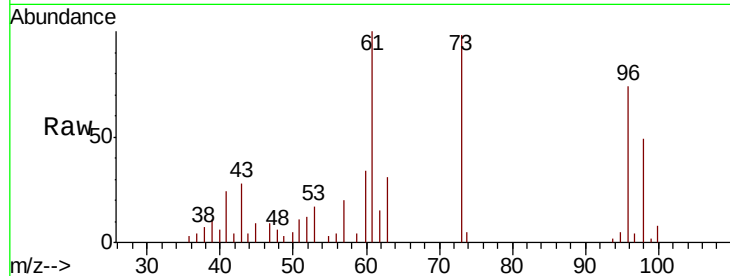
Tgt Ion: 96 Resp: 40688

Ion Ratio Lower Upper

96 100

61 135.5 104.4 156.6

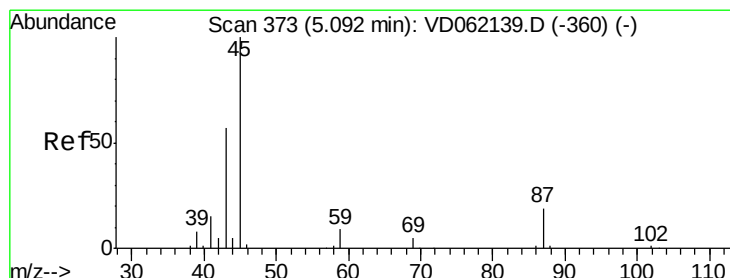
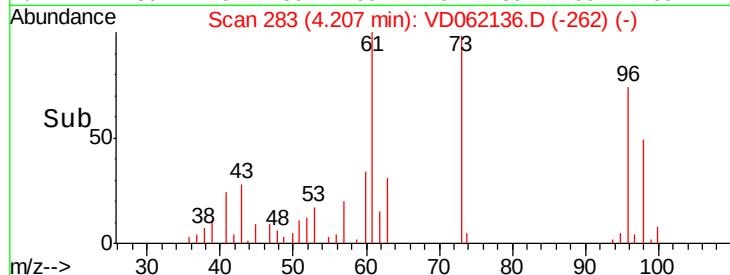
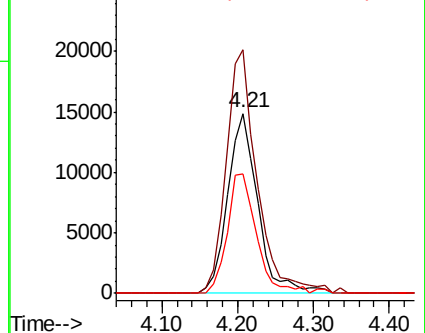
98 66.2 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 5.061 ug/l

RT: 5.10 min Scan# 374

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Tgt Ion: 45 Resp: 116568

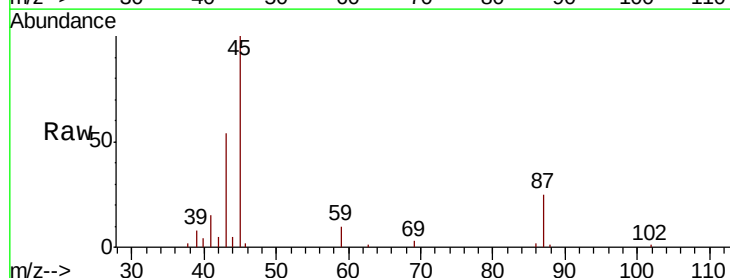
Ion Ratio Lower Upper

45 100

43 52.4 46.2 69.2

87 24.4 15.9 23.9#

59 9.9 7.9 11.9

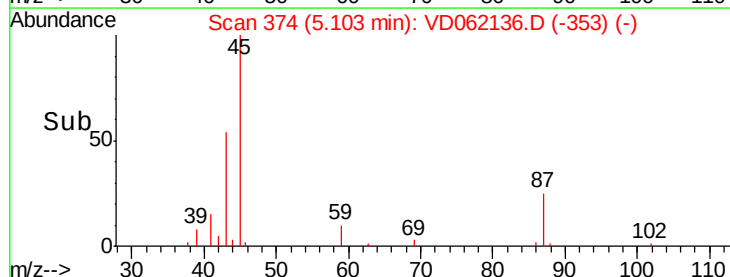
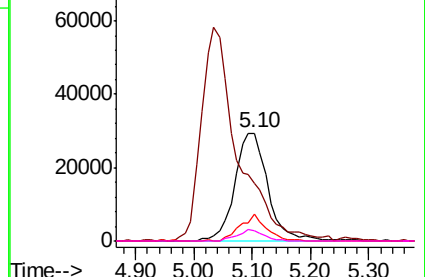


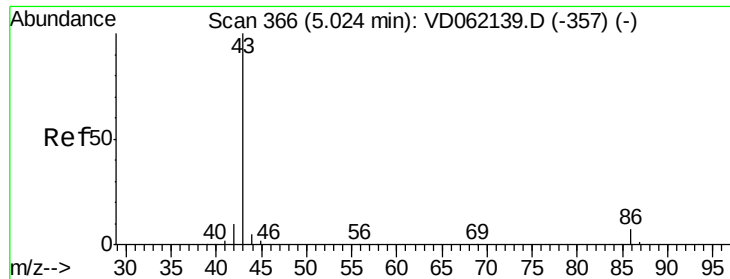
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 19.926 ug/l

RT: 5.03 min Scan# 367

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

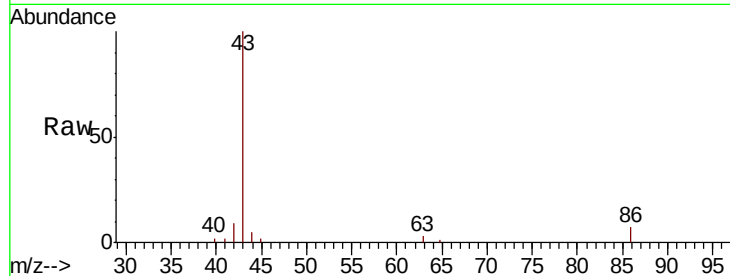
VSTDIC005

Tgt Ion: 43 Resp: 251028

Ion Ratio Lower Upper

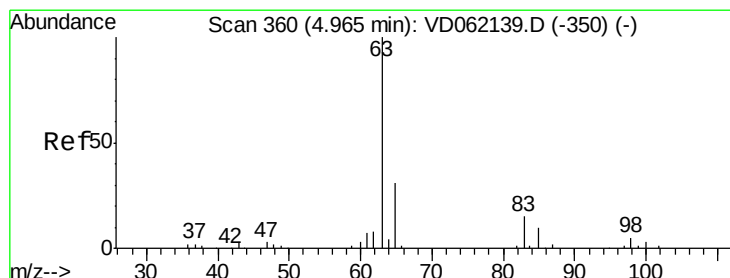
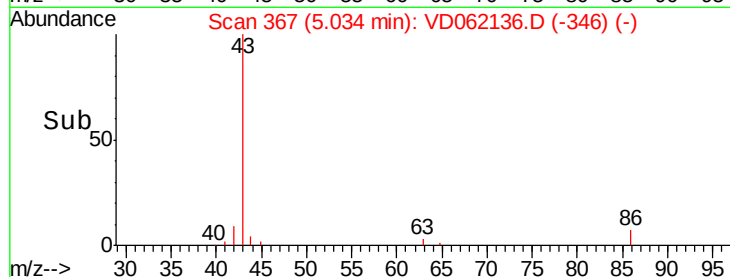
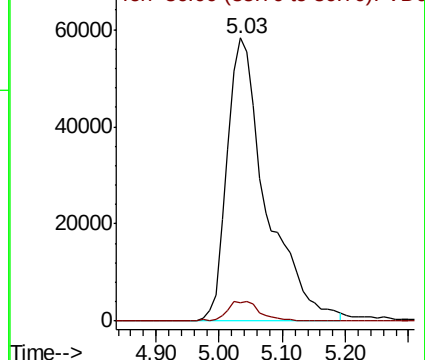
43 100

86 6.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.886 ug/l

RT: 4.95 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

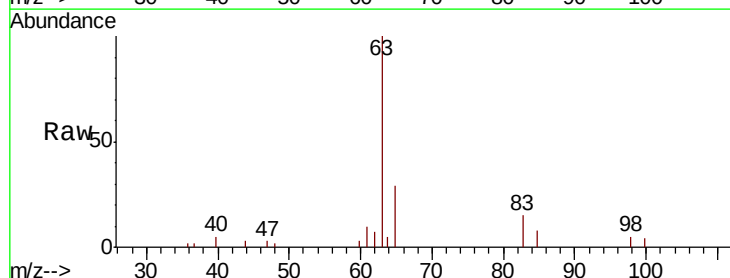
Tgt Ion: 63 Resp: 66101

Ion Ratio Lower Upper

63 100

98 4.6 2.8 8.4

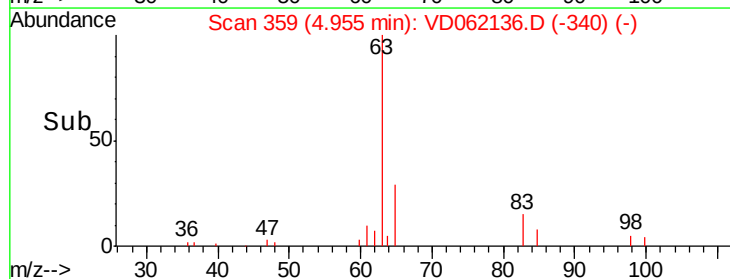
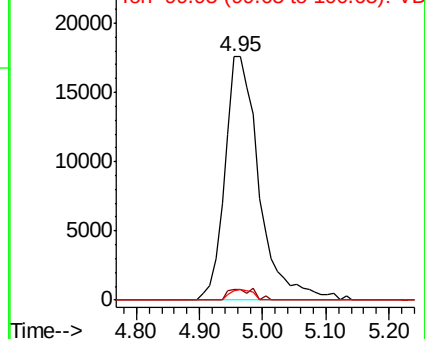
100 4.0 1.8 5.5

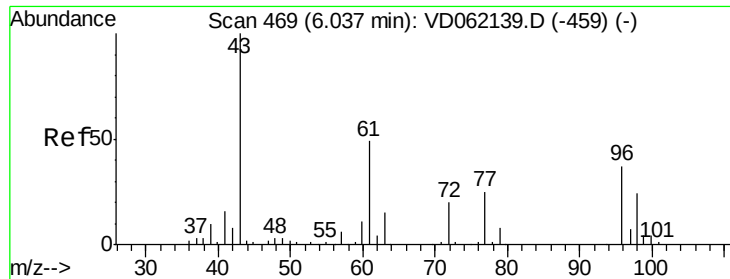


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 24.977 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

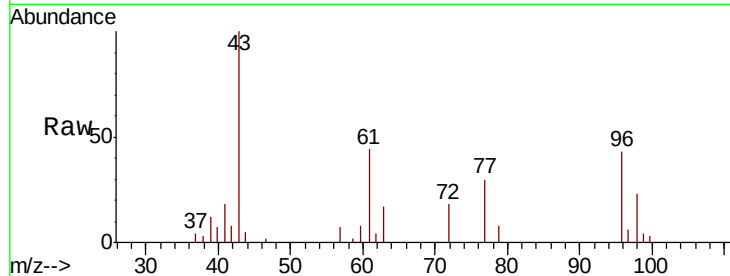
VSTDIC005

Tgt Ion: 43 Resp: 49700

Ion Ratio Lower Upper

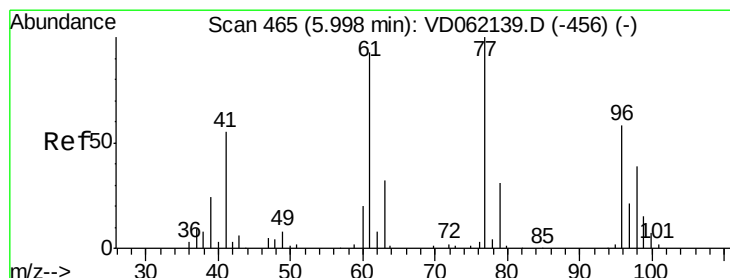
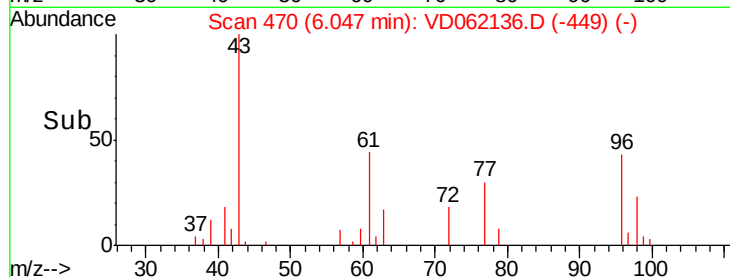
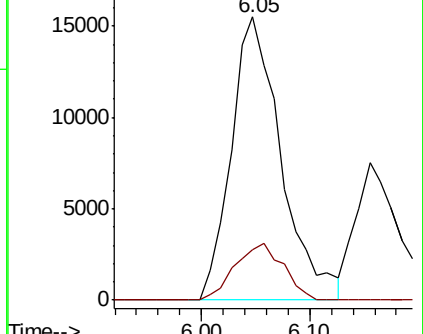
43 100

72 18.0 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.280 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD062136.D

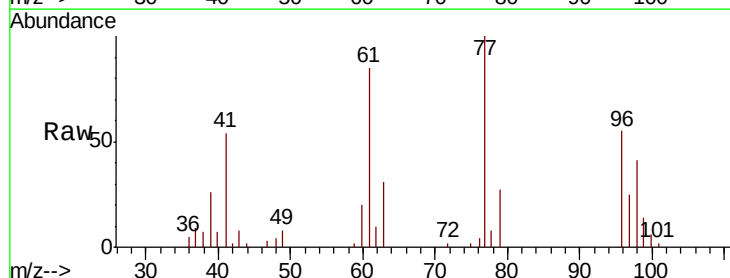
Acq: 7 May 2019 11:38

Tgt Ion: 77 Resp: 70741

Ion Ratio Lower Upper

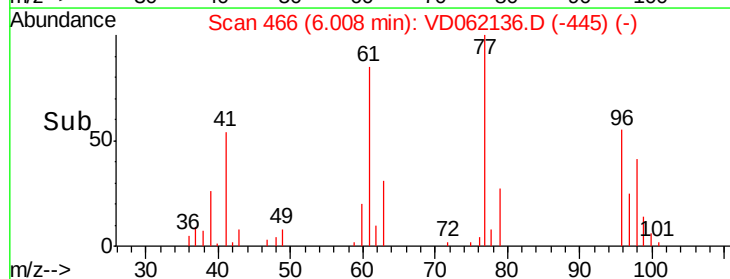
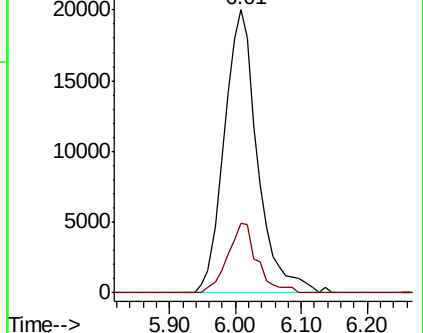
77 100

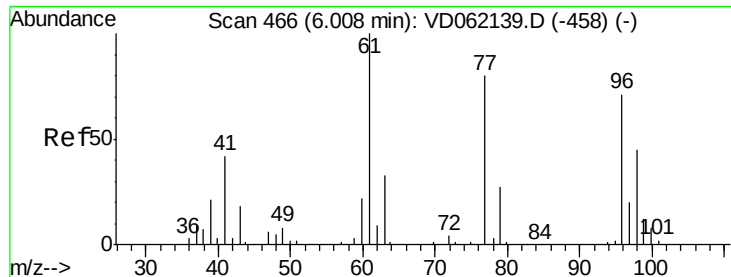
97 24.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



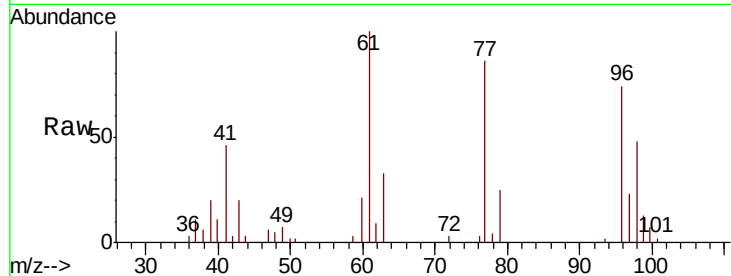


#27

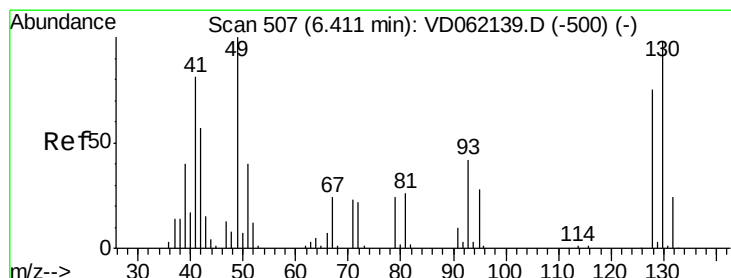
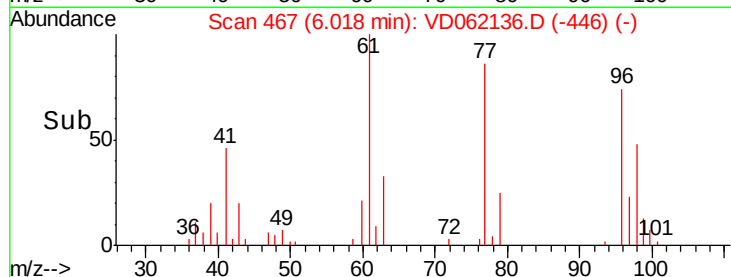
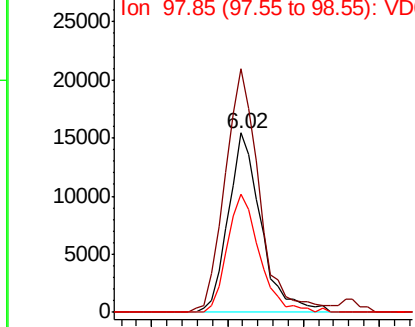
cis-1,2-Dichloroethene
Concen: 5.110 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 46257
Ion Ratio Lower Upper
96 100
61 135.8 0.0 279.8
98 65.7 0.0 136.0



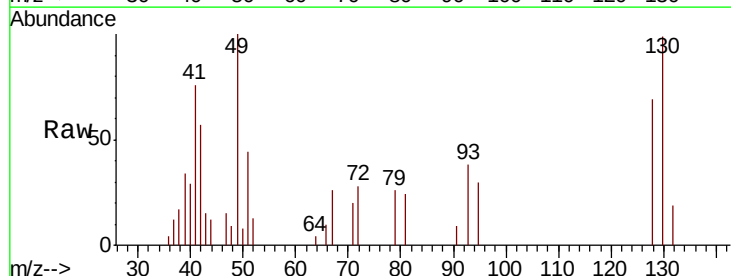
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



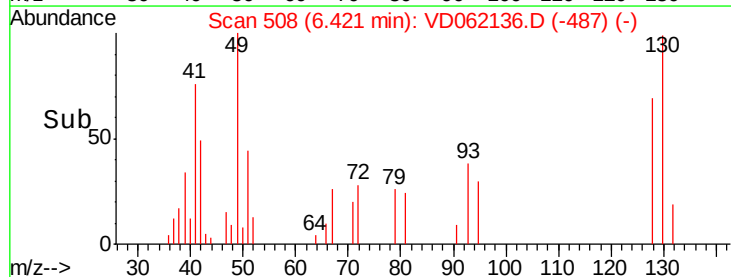
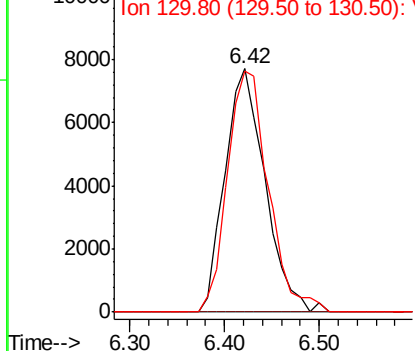
#28

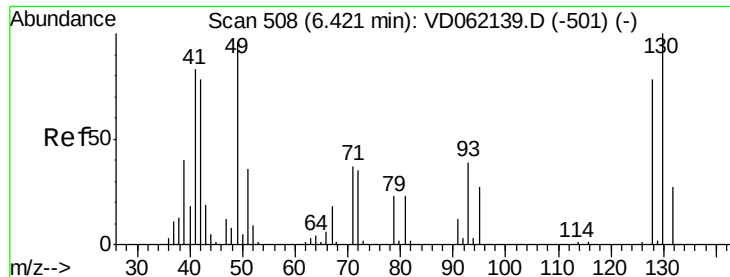
Bromochloromethane
Concen: 4.203 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion: 49 Resp: 22621
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 99.0 86.7 130.1



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

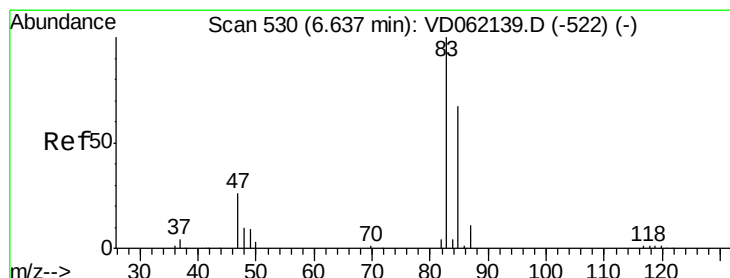
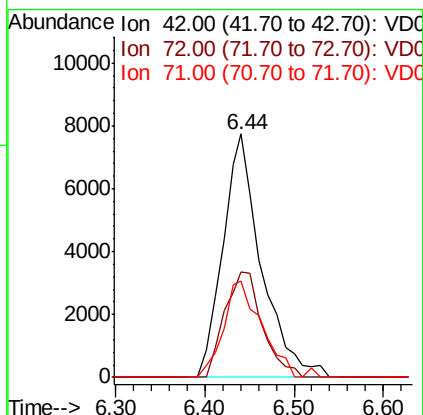
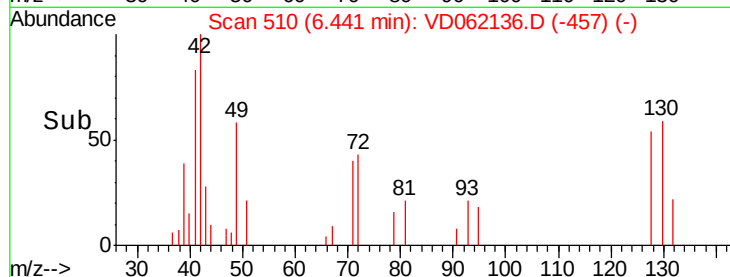
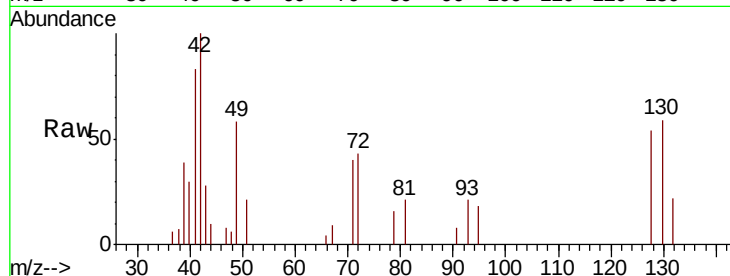




#29
Tetrahydrofuran
Concen: 26.199 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

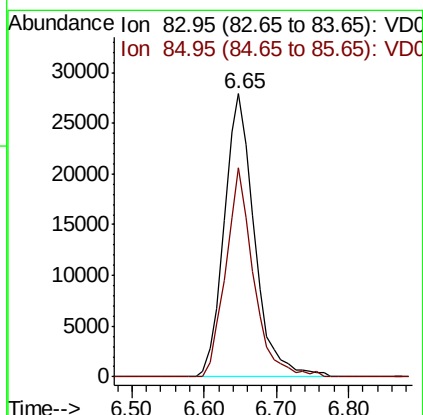
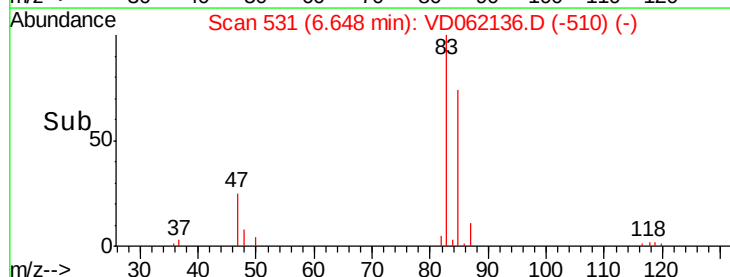
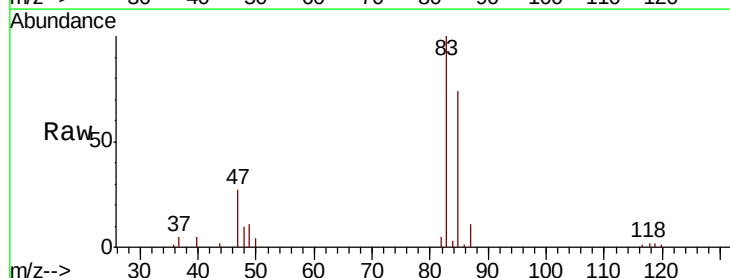
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

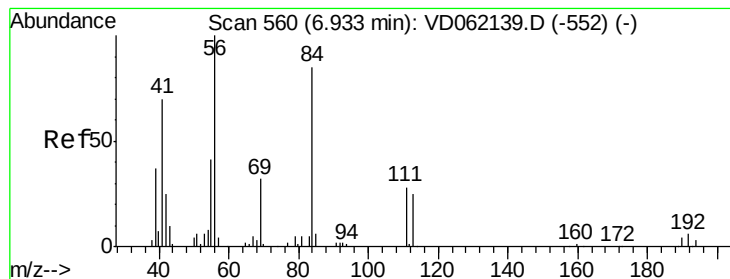
Tgt Ion: 42 Resp: 23276
Ion Ratio Lower Upper
42 100
72 42.6 37.8 56.6
71 39.2 36.7 55.1



#30
Chloroform
Concen: 4.855 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion: 83 Resp: 81138
Ion Ratio Lower Upper
83 100
85 73.8 51.7 77.5

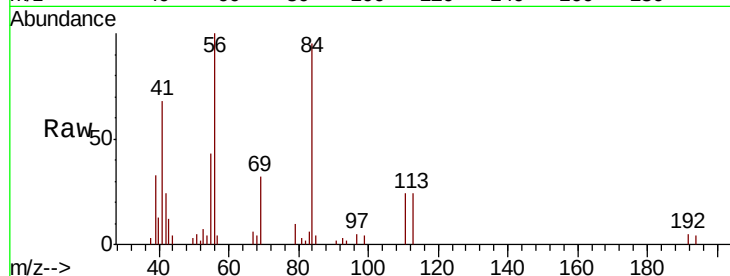




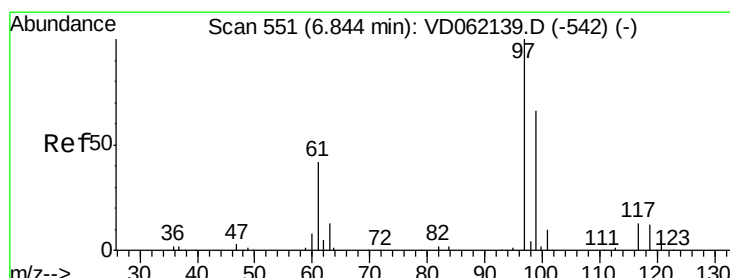
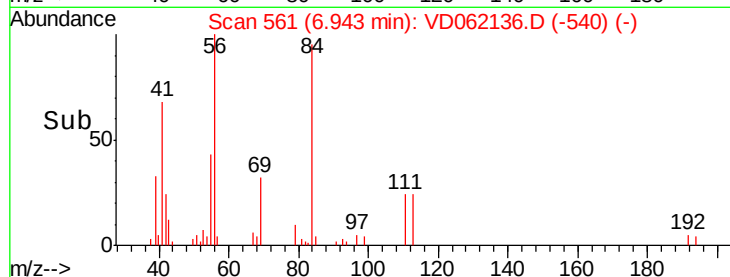
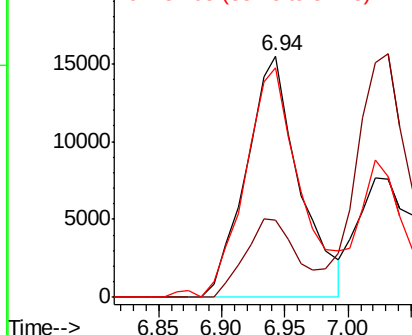
#31
Cyclohexane
Concen: 4.628 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 45223
Ion Ratio Lower Upper
56 100
69 32.3 25.8 38.6
84 95.2 72.2 108.4

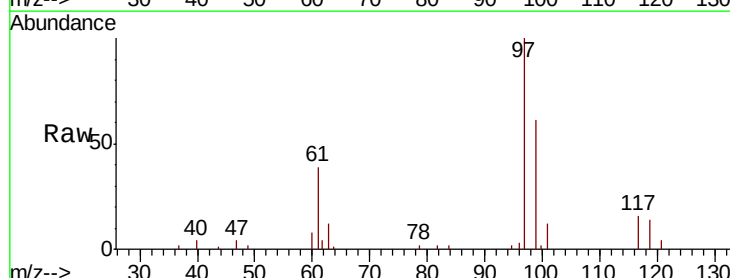


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

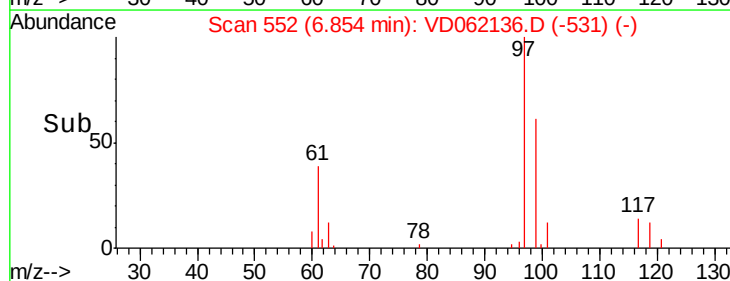
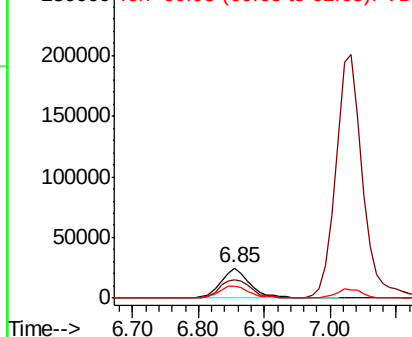


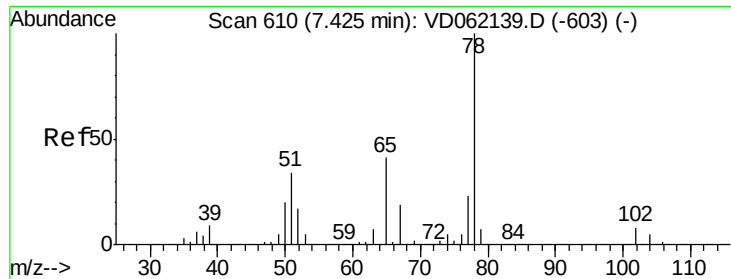
#32
1,1,1-Trichloroethane
Concen: 4.768 ug/l
RT: 6.85 min Scan# 552
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion: 97 Resp: 77133
Ion Ratio Lower Upper
97 100
99 61.2 52.2 78.2
61 39.0 32.4 48.6



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

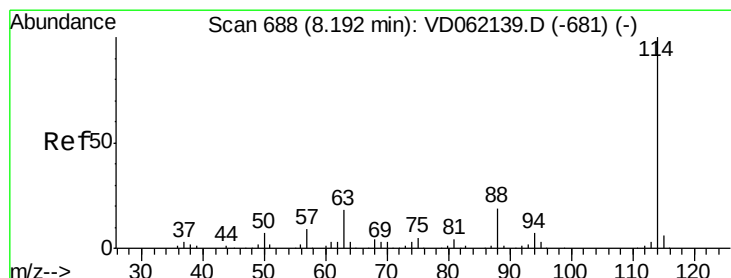
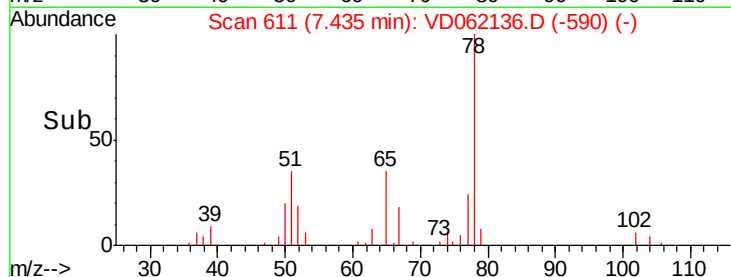
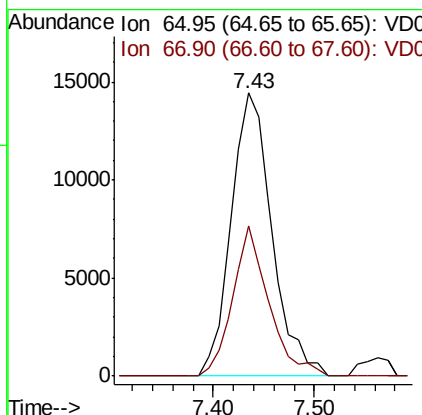
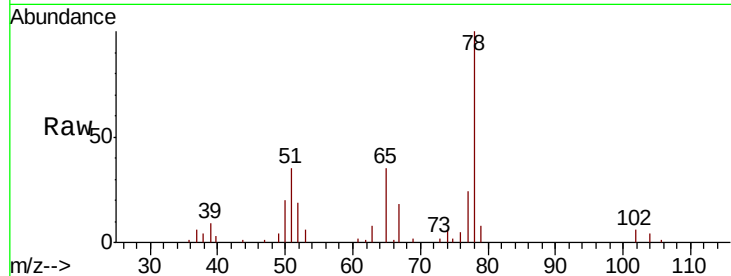




#33
 1,2-Dichloroethane-d4
 Concen: 4.377 ug/l
 RT: 7.43 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

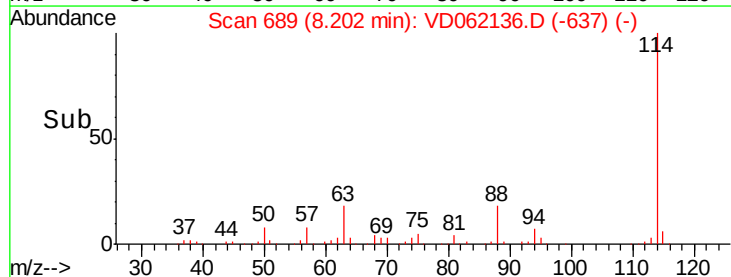
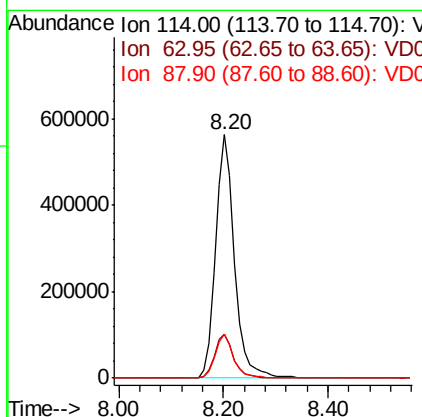
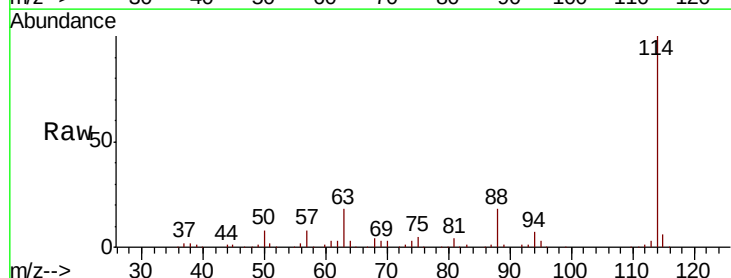
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

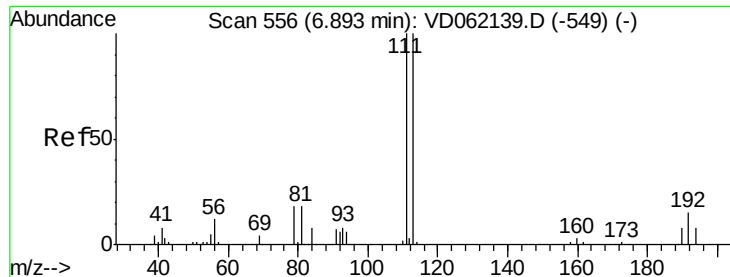
Tgt Ion: 65 Resp: 40573
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Tgt Ion: 114 Resp: 1412415
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 32.4
 88 18.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 4.189 ug/l

RT: 6.91 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

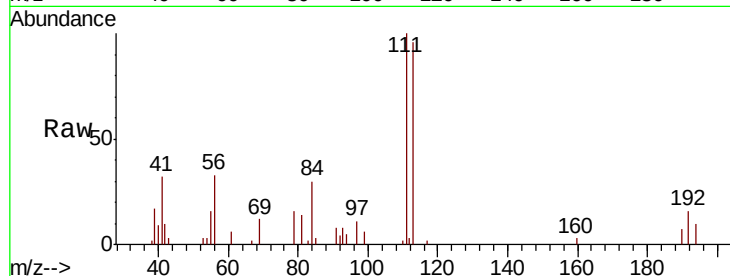
Tgt Ion:113 Resp: 53520

Ion Ratio Lower Upper

113 100

111 103.8 78.5 117.7

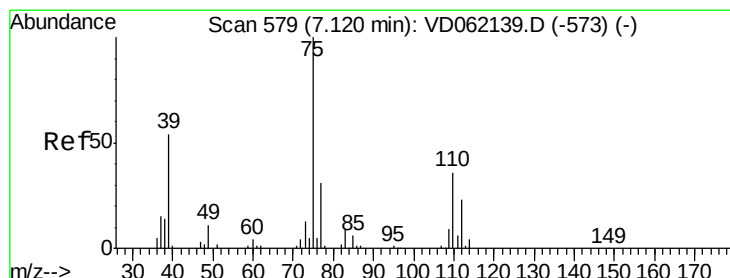
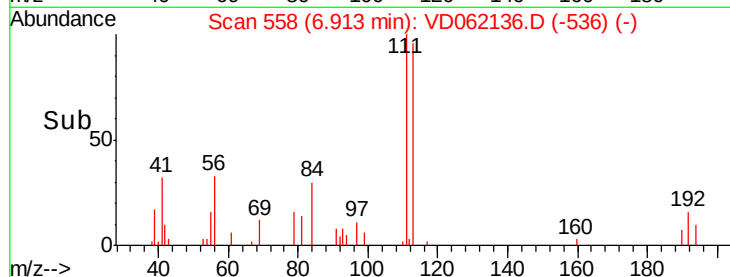
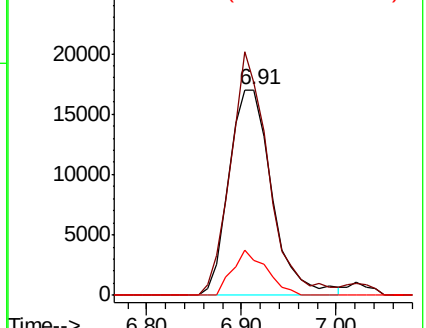
192 16.9 13.0 19.4



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: 4.823 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

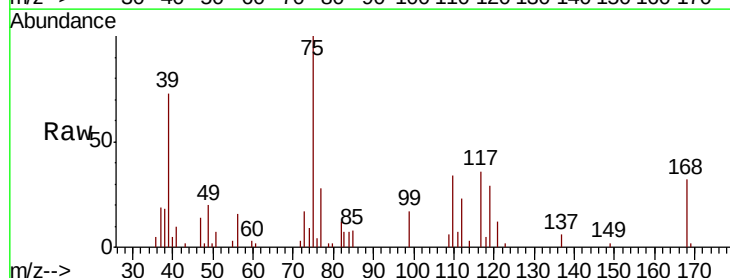
Tgt Ion: 75 Resp: 56793

Ion Ratio Lower Upper

75 100

110 34.1 19.1 57.1

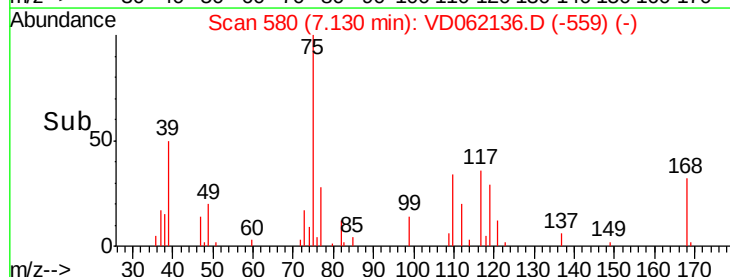
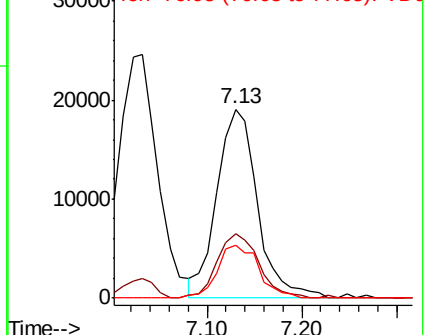
77 28.0 25.6 38.4

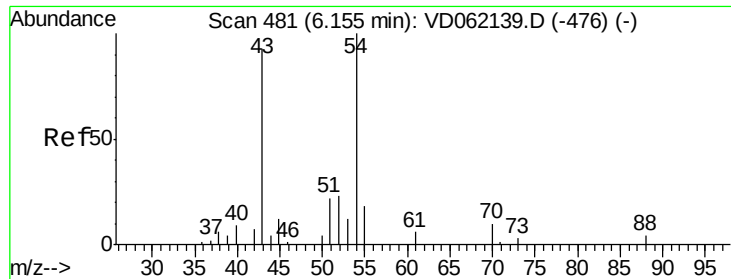


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 4.237 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.00 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

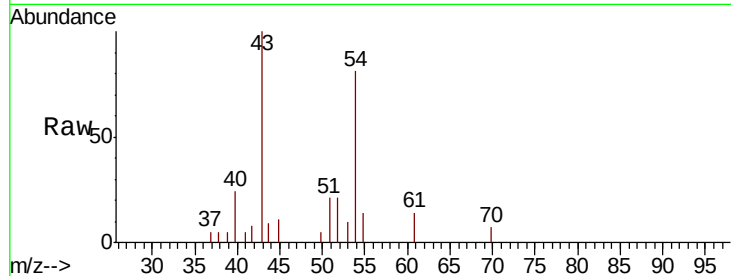
Tgt Ion: 43 Resp: 21628

Ion Ratio Lower Upper

43 100

61 14.4 14.7 22.1#

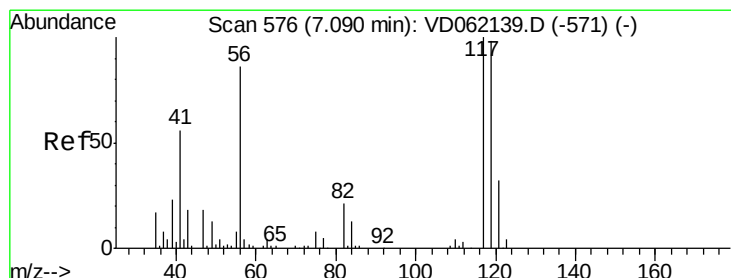
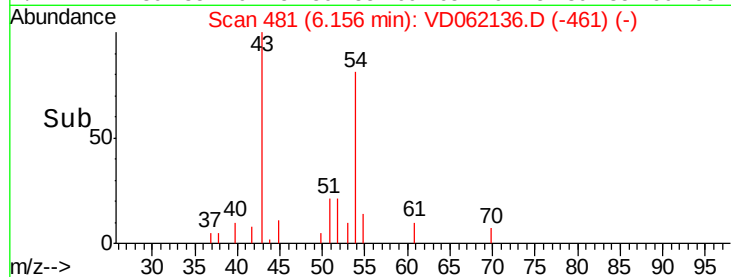
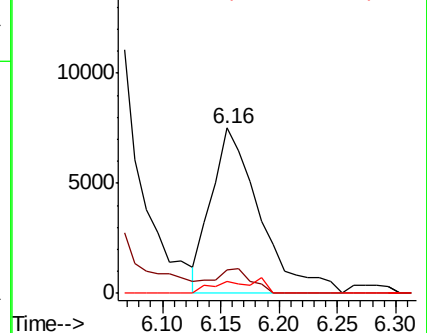
70 6.9 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.503 ug/l

RT: 7.09 min Scan# 576

Delta R.T. 0.00 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

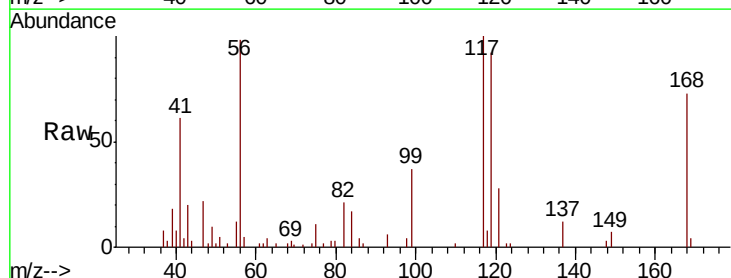
Tgt Ion: 117 Resp: 75170

Ion Ratio Lower Upper

117 100

119 92.3 75.8 113.8

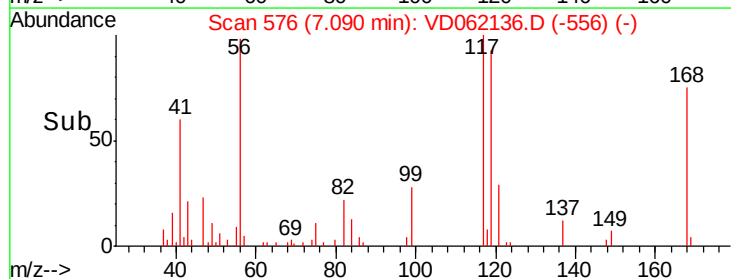
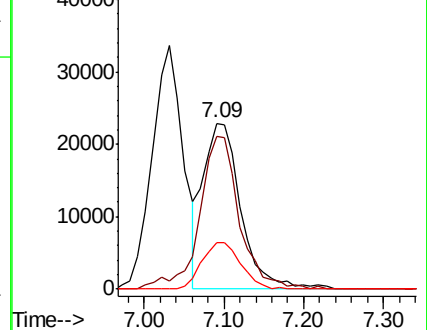
121 28.1 25.9 38.9

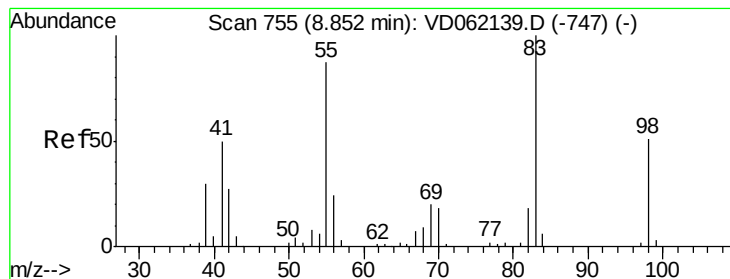


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 4.195 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

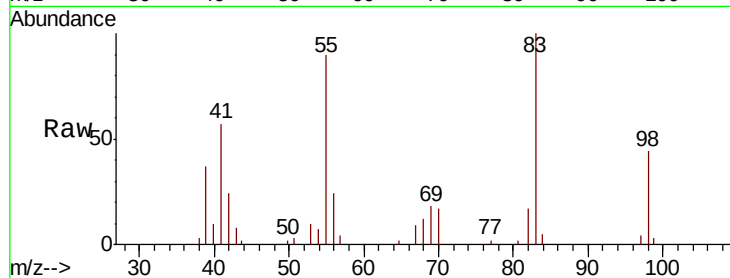
Tgt Ion: 83 Resp: 49654

Ion Ratio Lower Upper

83 100

55 90.4 68.2 102.4

98 43.8 38.2 57.4

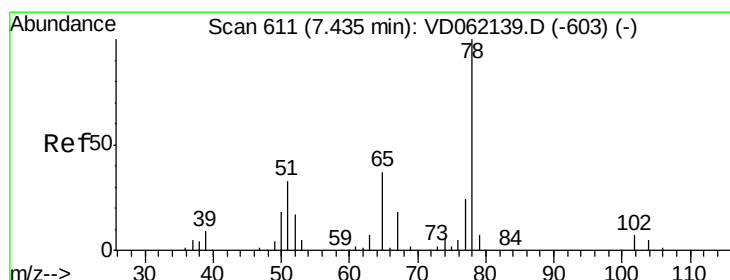
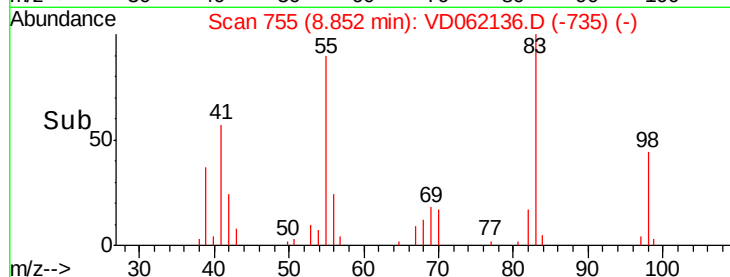
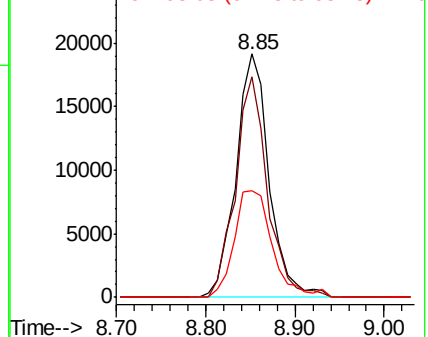


Abundance

Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 4.511 ug/l

RT: 7.44 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD062136.D

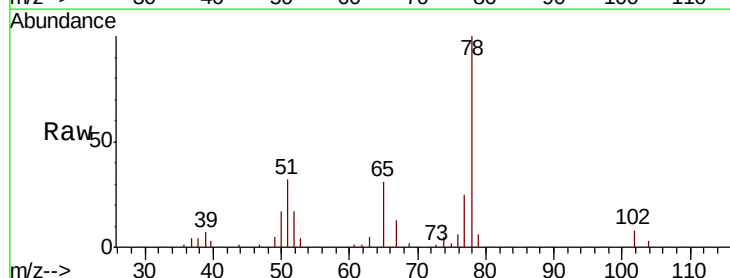
Acq: 7 May 2019 11:38

Tgt Ion: 78 Resp: 120440

Ion Ratio Lower Upper

78 100

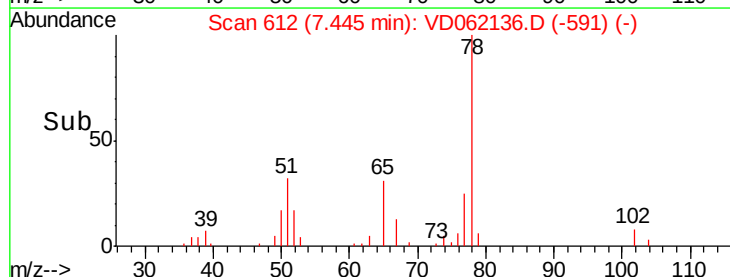
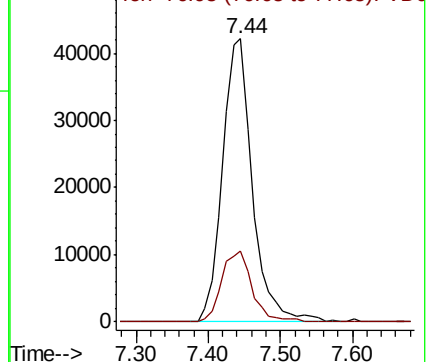
77 24.9 19.7 29.5

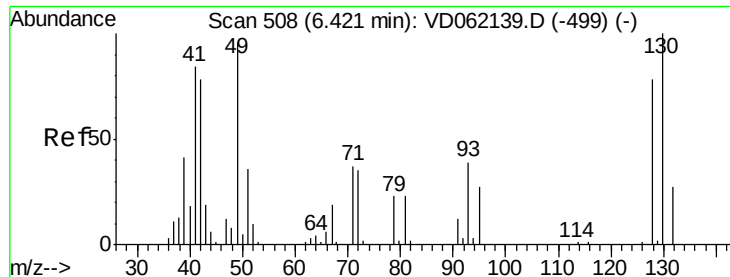


Abundance

Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 4.495 ug/l

RT: 6.43 min Scan# 509

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 26957

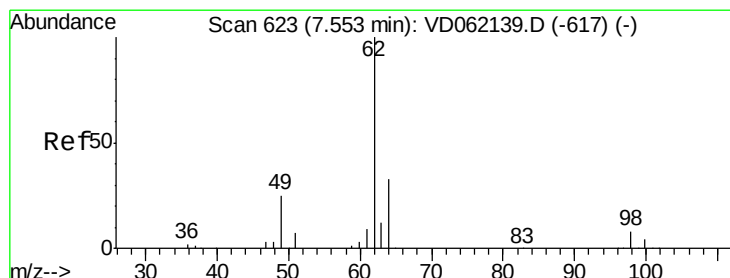
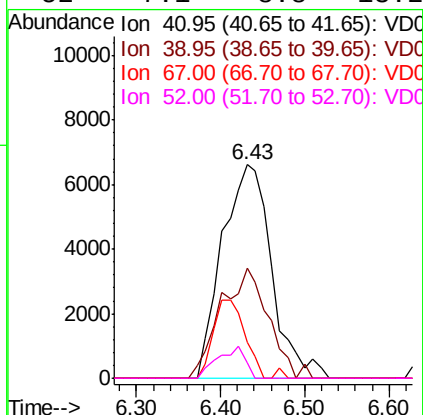
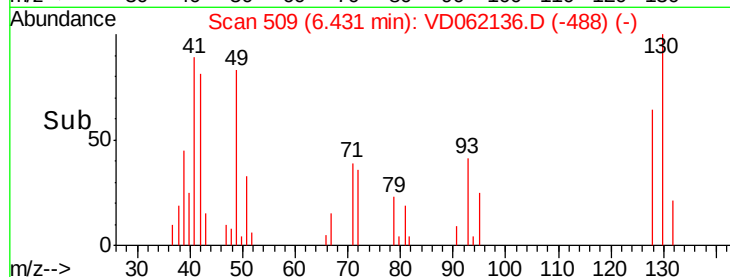
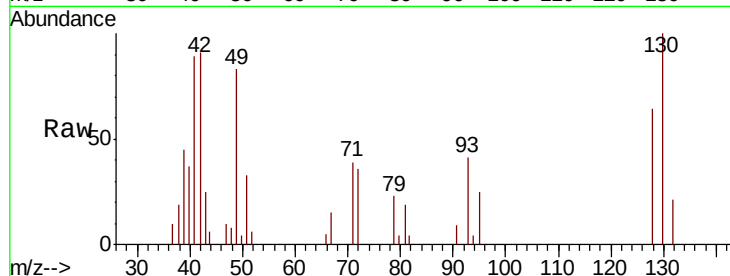
Ion Ratio Lower Upper

41 100

39 51.3 34.1 51.1#

67 16.7 23.8 35.6#

52 7.1 8.8 13.2#



#42

1,2-Dichloroethane

Concen: 4.474 ug/l

RT: 7.56 min Scan# 624

Delta R.T. 0.01 min

Lab File: VD062136.D

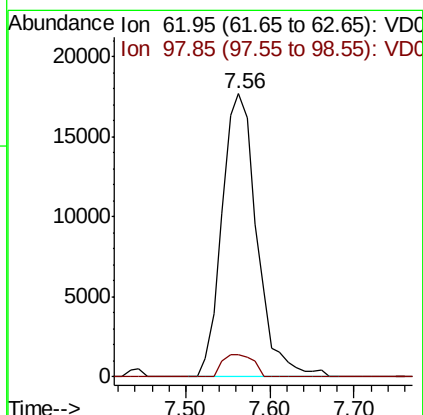
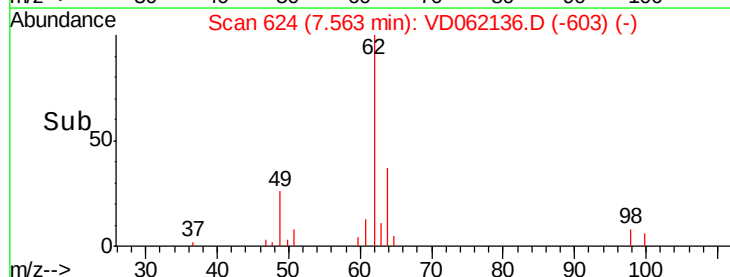
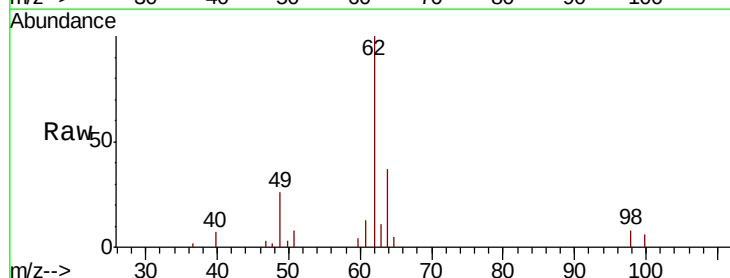
Acq: 7 May 2019 11:38

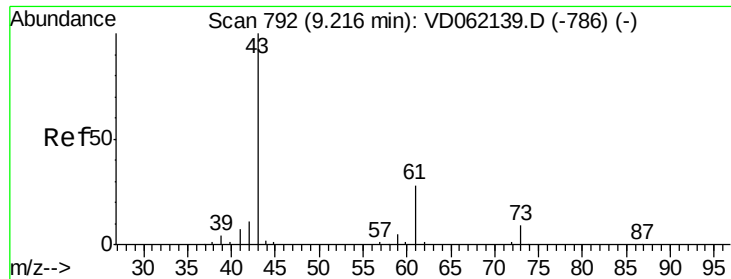
Tgt Ion: 62 Resp: 50954

Ion Ratio Lower Upper

62 100

98 8.0 0.0 17.8





#43

Isopropyl Acetate

Concen: 4.268 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

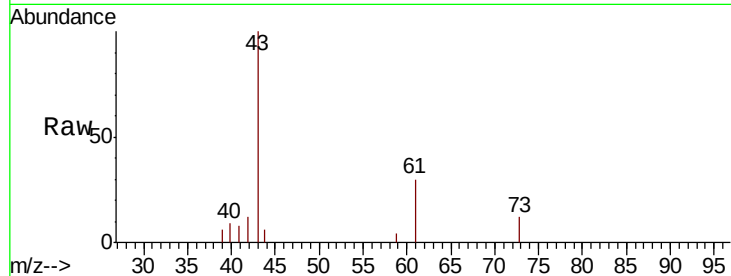
Tgt Ion: 43 Resp: 30313

Ion Ratio Lower Upper

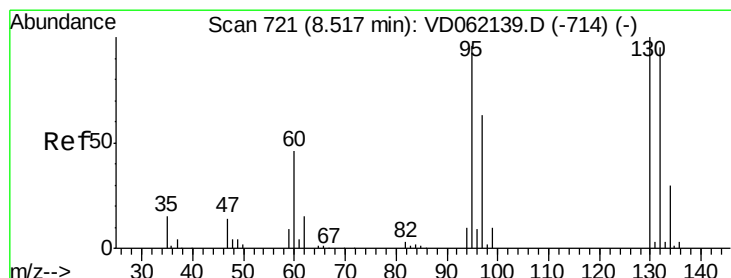
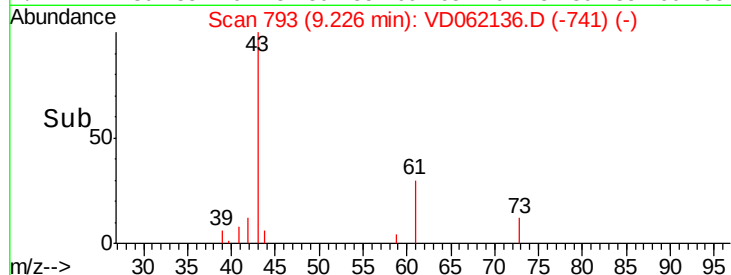
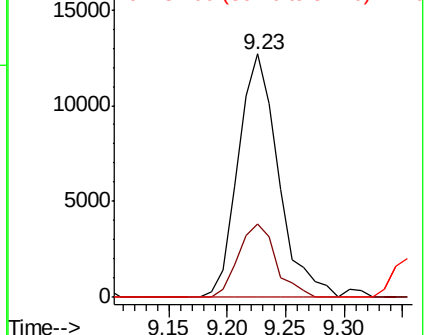
43 100

61 29.9 25.1 37.7

87 0.0 0.0 0.0



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: 4.402 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD062136.D

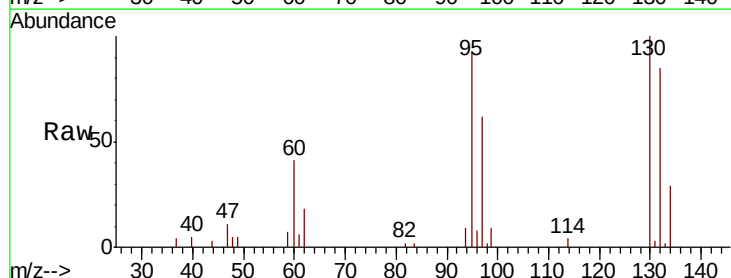
Acq: 7 May 2019 11:38

Tgt Ion: 130 Resp: 46212

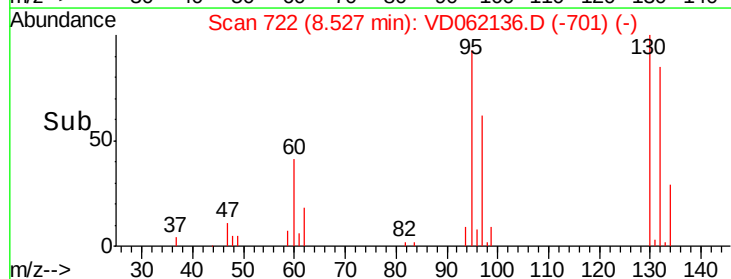
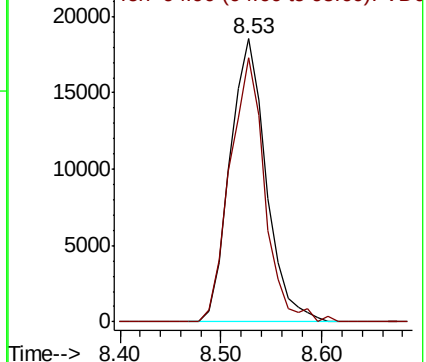
Ion Ratio Lower Upper

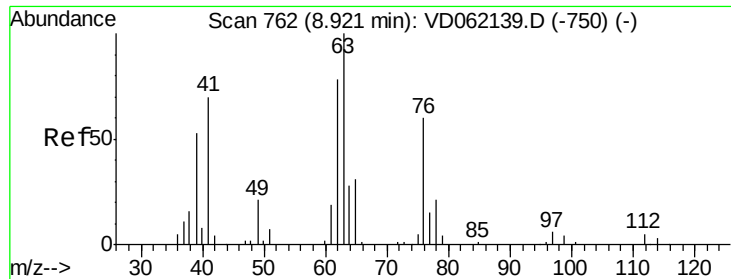
130 100

95 93.5 0.0 174.0



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

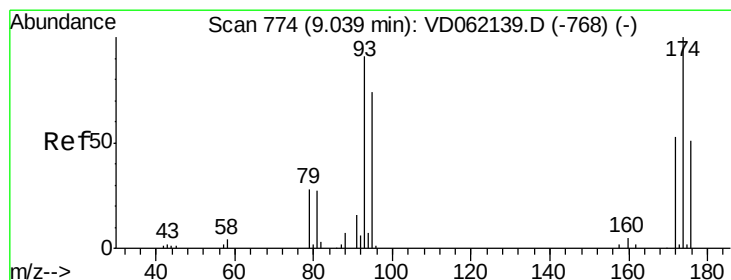
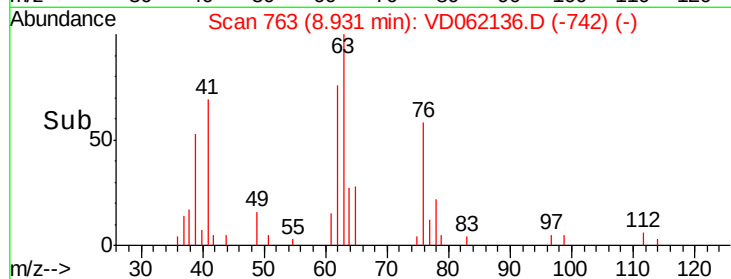
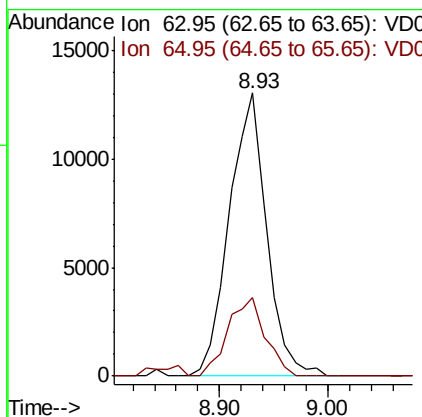
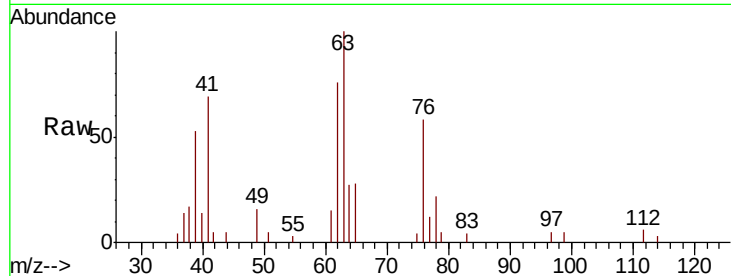




#45
 1,2-Dichloropropane
 Concen: 4.720 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

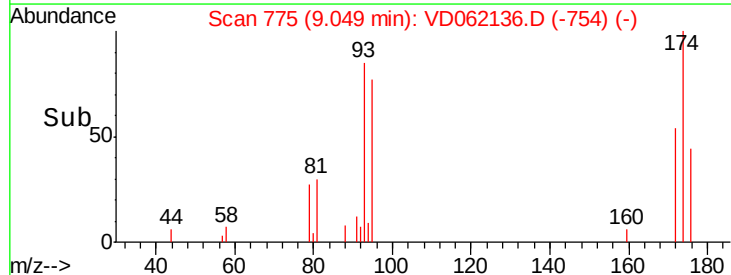
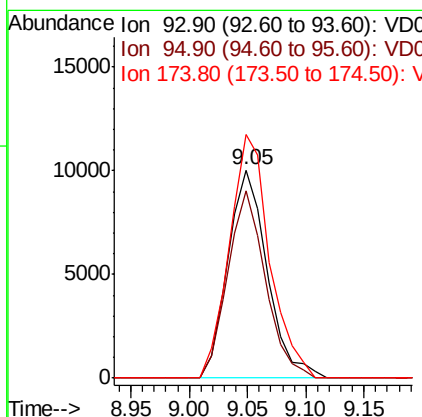
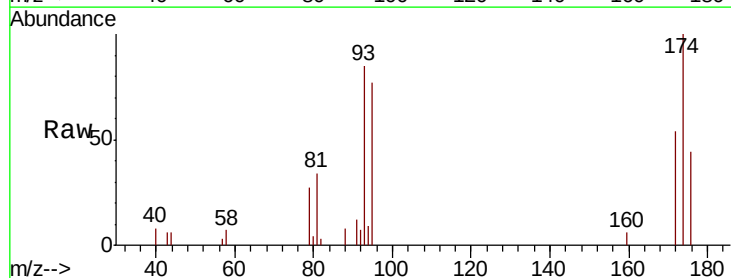
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

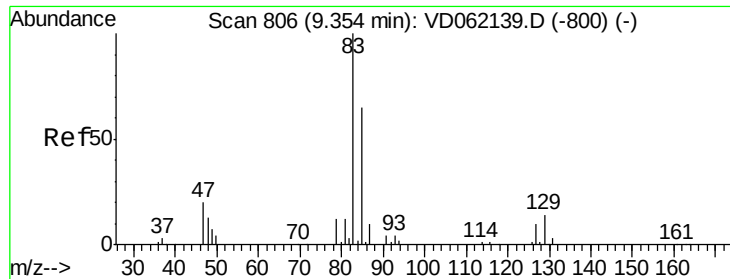
Tgt Ion: 63 Resp: 31196
 Ion Ratio Lower Upper
 63 100
 65 27.6 23.8 35.6



#46
 Dibromomethane
 Concen: 4.335 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. 0.01 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Tgt Ion: 93 Resp: 23513
 Ion Ratio Lower Upper
 93 100
 95 89.9 64.8 97.2
 174 117.0 79.3 118.9





#47

Bromodichloromethane

Concen: 4.449 ug/l

RT: 9.36 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

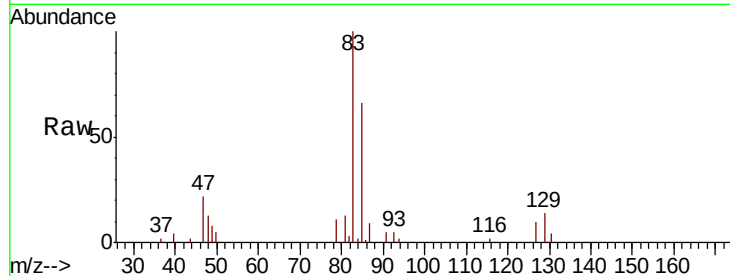
Tgt Ion: 83 Resp: 58923

Ion Ratio Lower Upper

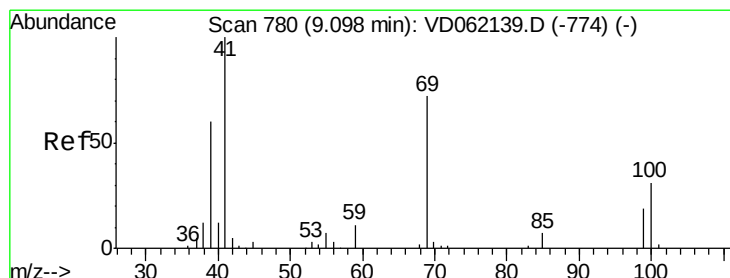
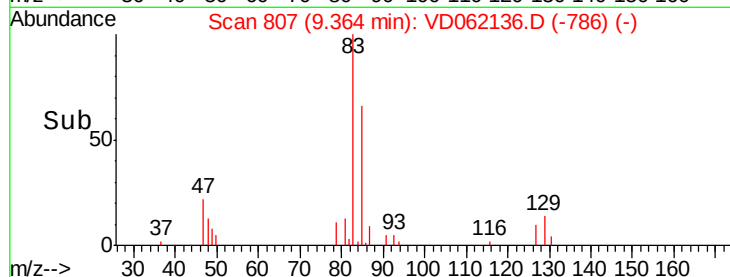
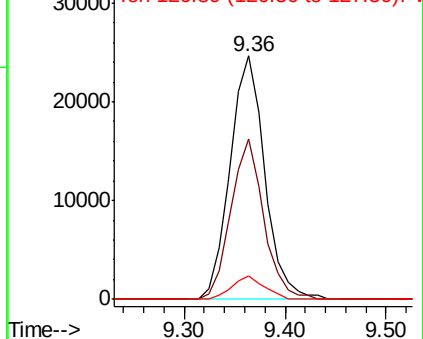
83 100

85 65.7 50.9 76.3

127 9.8 8.1 12.1



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: 4.722 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

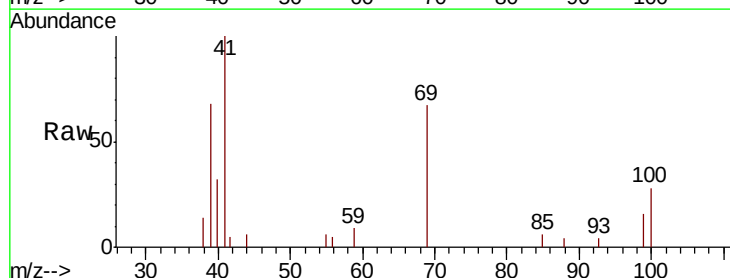
Tgt Ion: 41 Resp: 20209

Ion Ratio Lower Upper

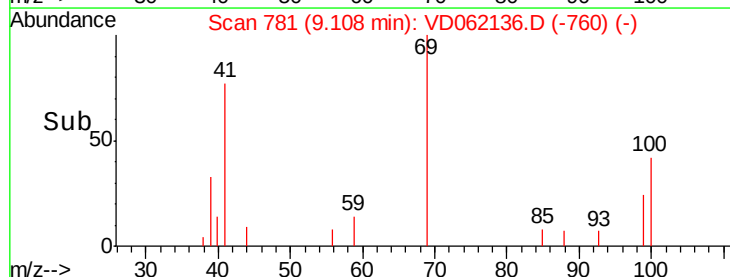
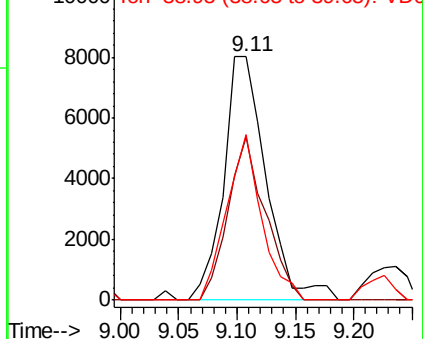
41 100

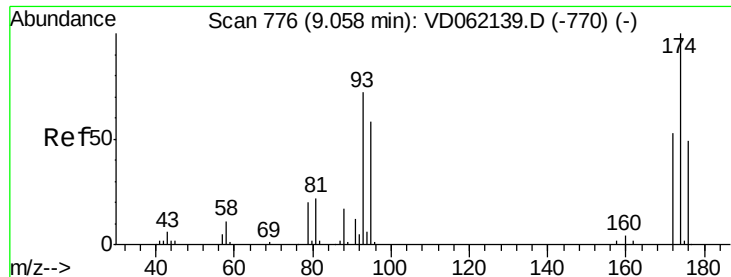
69 67.1 64.2 96.2

39 67.9 46.8 70.2



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

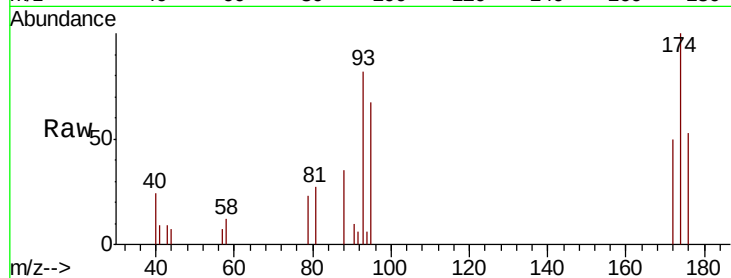




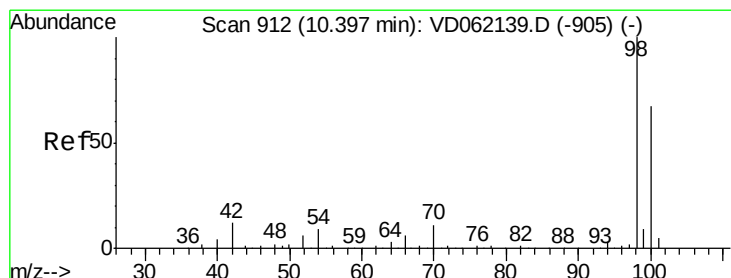
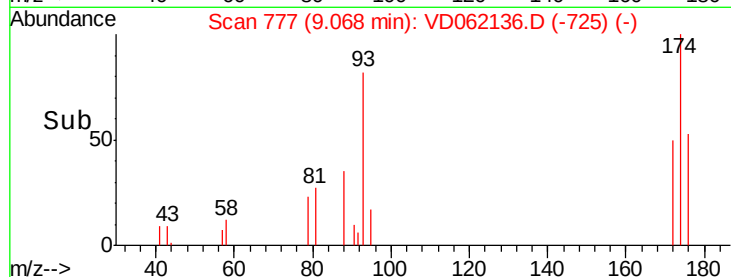
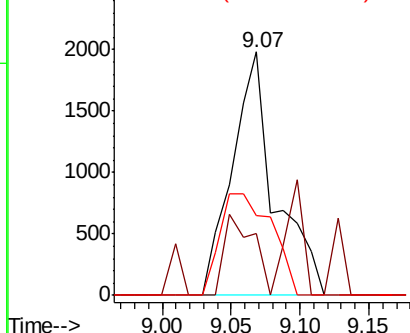
#49
1,4-Dioxane
Concen: 92.100 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 4290
Ion Ratio Lower Upper
88 100
43 25.6 23.4 35.0
58 32.8 44.0 66.0#

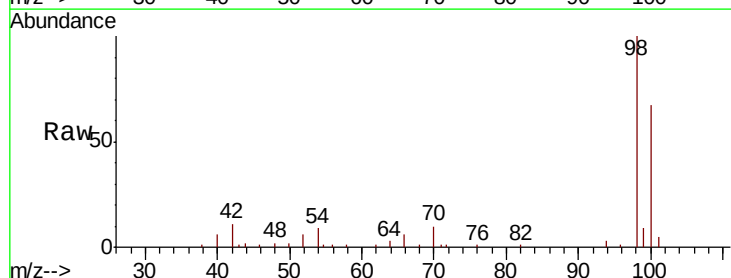


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

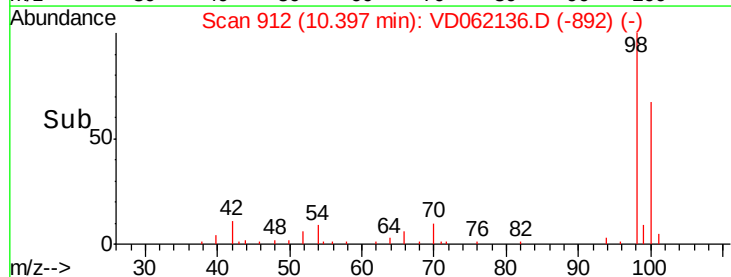
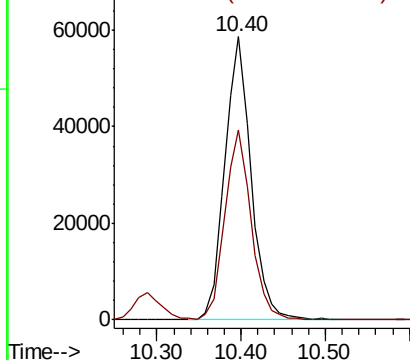


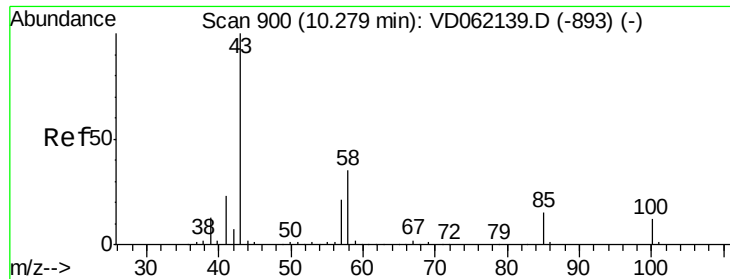
#50
Toluene-d8
Concen: 4.041 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion: 98 Resp: 126686
Ion Ratio Lower Upper
98 100
100 66.9 53.8 80.8



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

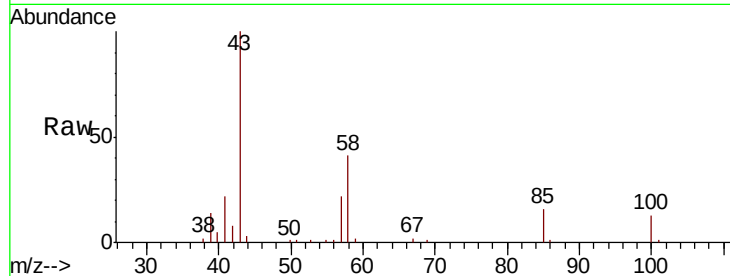




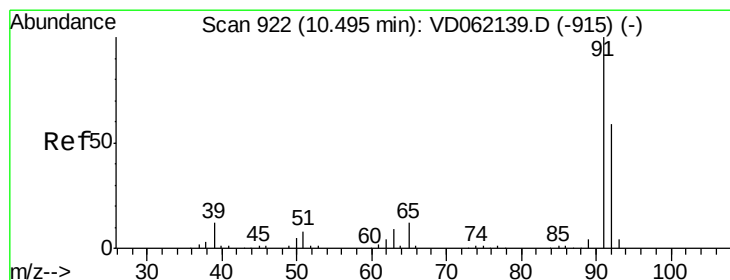
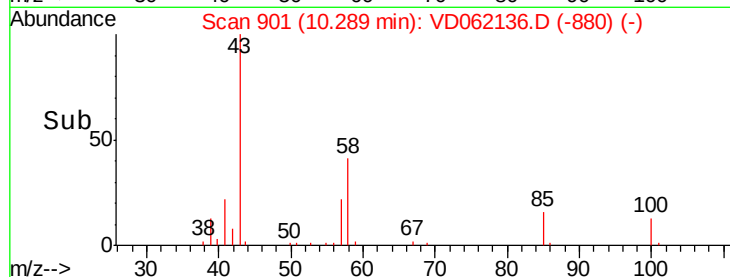
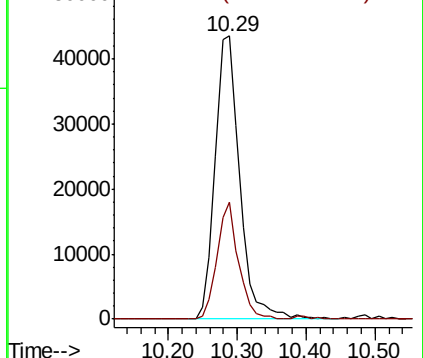
#51
4-Methyl-2-Pentanone
Concen: 24.345 ug/l
RT: 10.29 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 107746
Ion Ratio Lower Upper
43 100
58 41.4 30.4 45.6

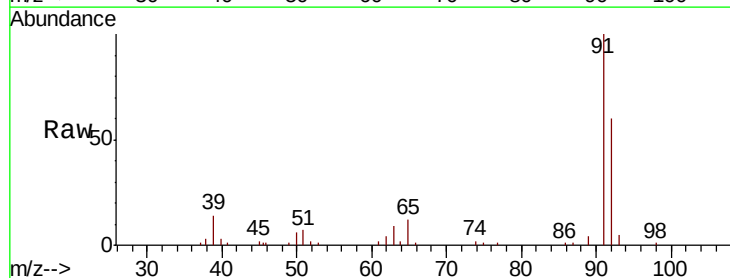


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

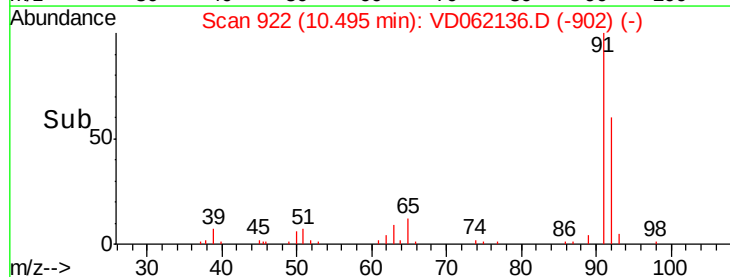
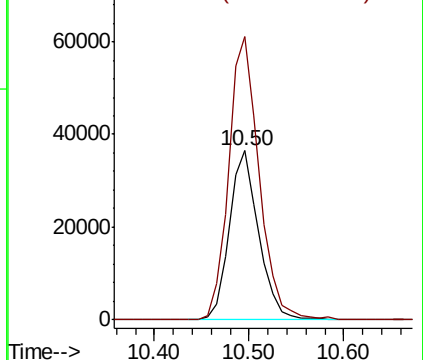


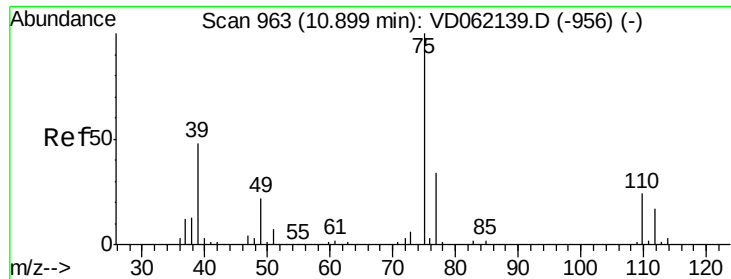
#52
Toluene
Concen: 4.441 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion: 92 Resp: 78047
Ion Ratio Lower Upper
92 100
91 167.1 136.6 204.8



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

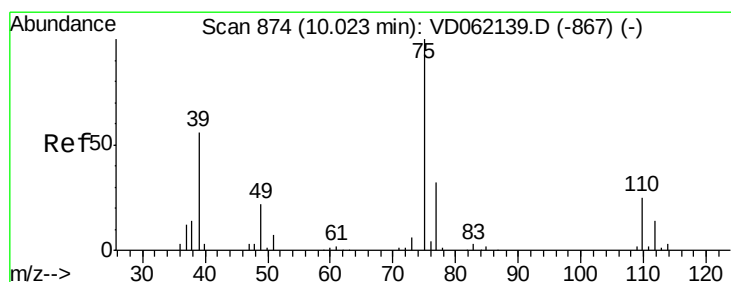
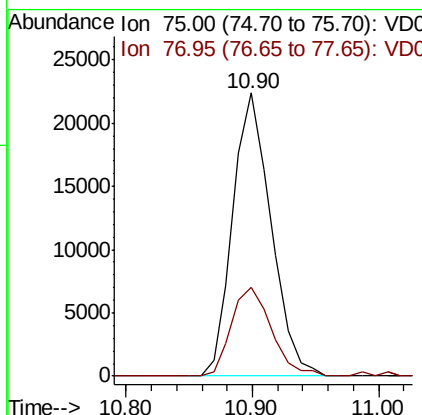
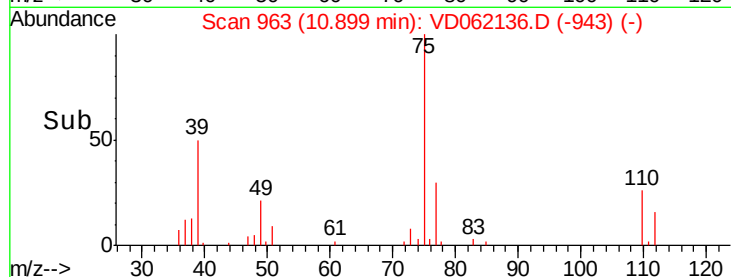
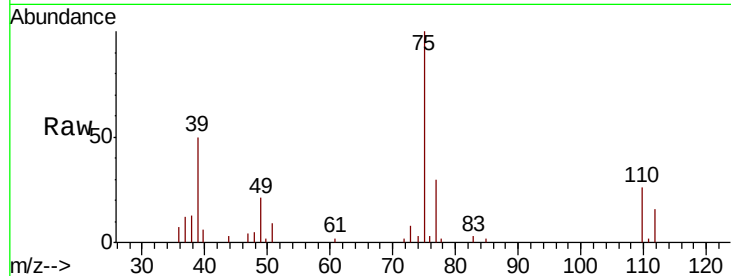




#53
 t-1,3-Dichloropropene
 Concen: 4.040 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

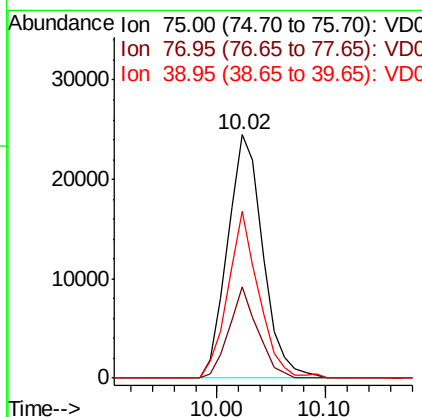
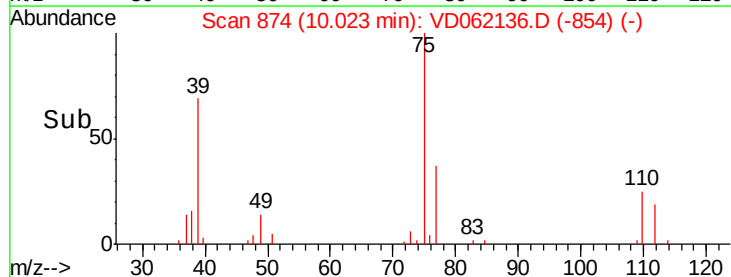
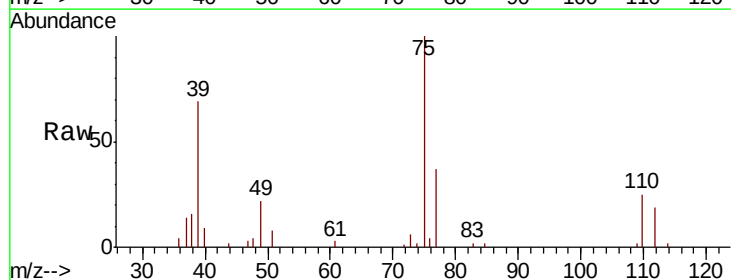
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

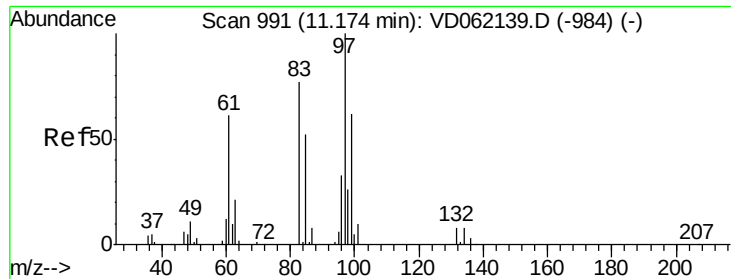
Tgt Ion: 75 Resp: 46894
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 4.256 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Tgt Ion: 75 Resp: 55423
 Ion Ratio Lower Upper
 75 100
 77 37.5 25.5 38.3
 39 68.8 39.4 59.2#

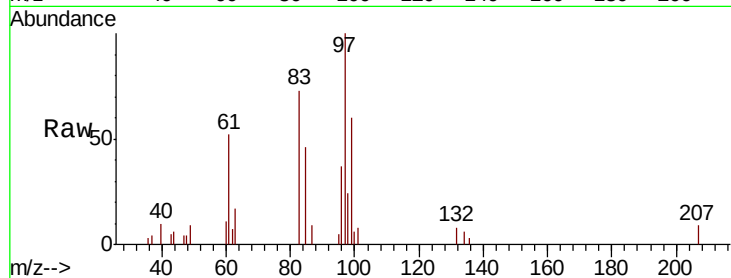




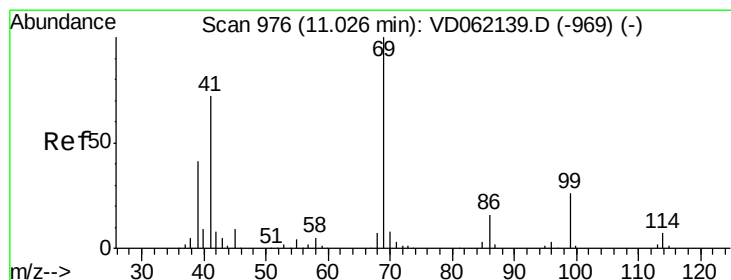
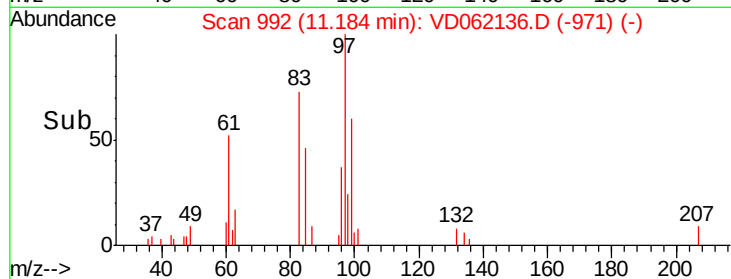
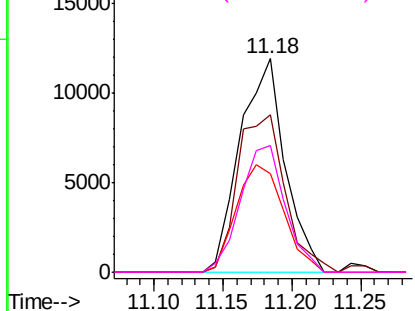
#55
 1,1,2-Trichloroethane
 Concen: 4.202 ug/l
 RT: 11.18 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:	97	Resp:	27097
Ion	Ratio	Lower	Upper
97	100		
83	73.5	65.7	98.5
85	46.1	45.6	68.4
99	59.6	48.4	72.6

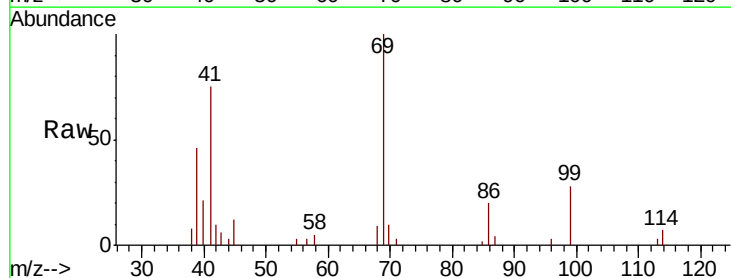


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

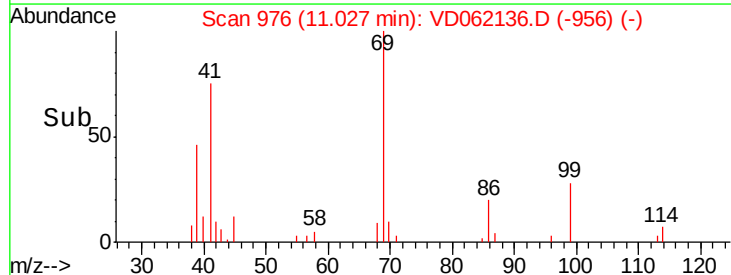
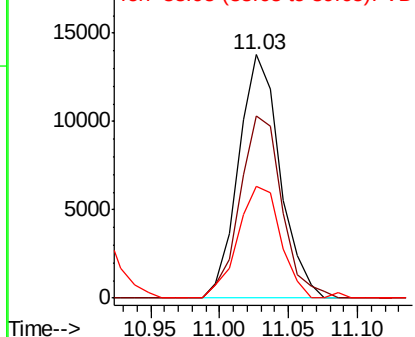


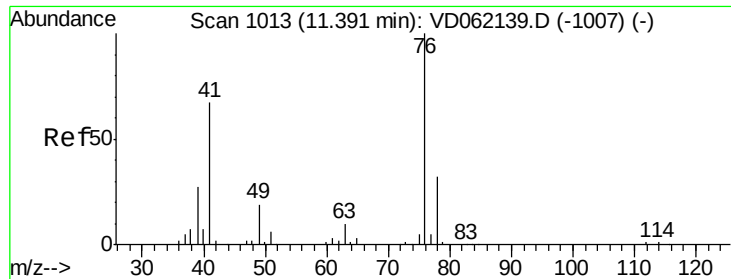
#56
 Ethyl methacrylate
 Concen: 4.295 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Tgt Ion:	69	Resp:	28857
Ion	Ratio	Lower	Upper
69	100		
41	74.9	56.3	84.5
39	45.8	29.4	44.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

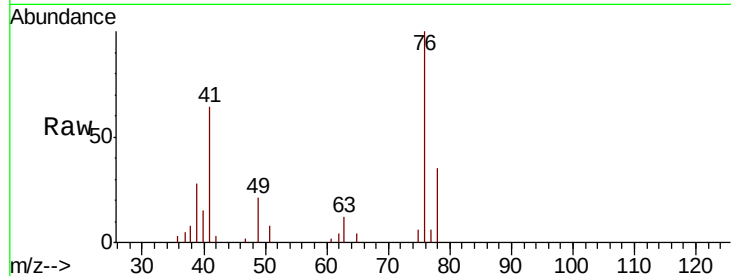




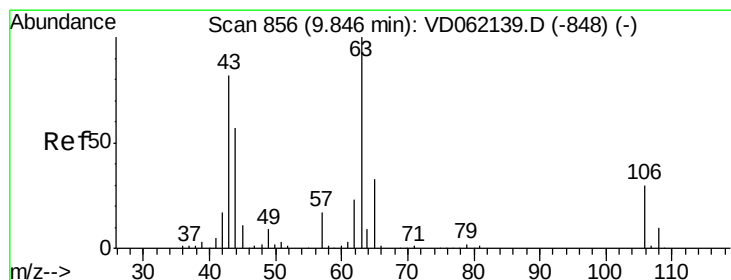
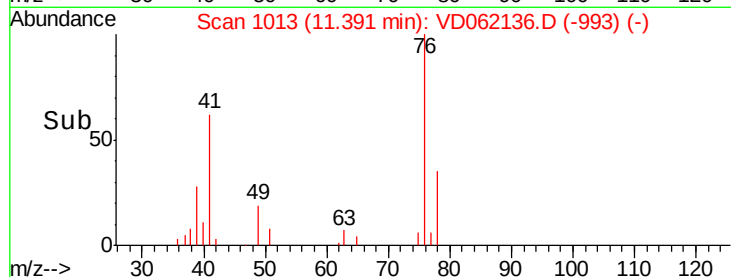
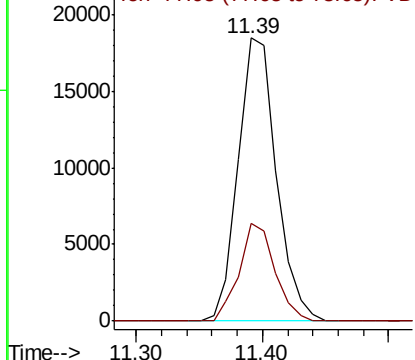
#57
 1,3-Dichloropropane
 Concen: 3.881 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 76 Resp: 38738
 Ion Ratio Lower Upper
 76 100
 78 34.6 26.2 39.2

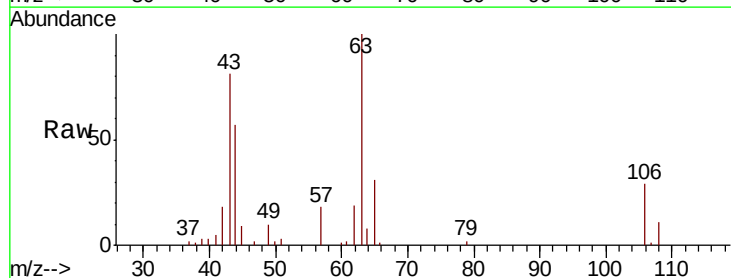


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

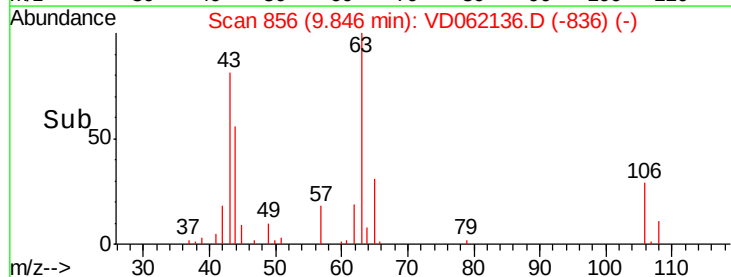
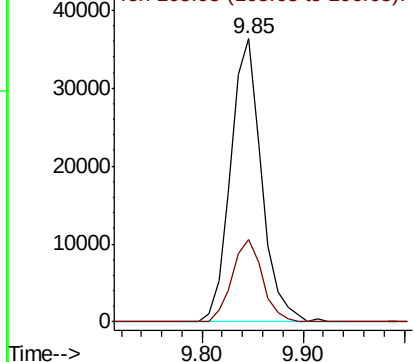


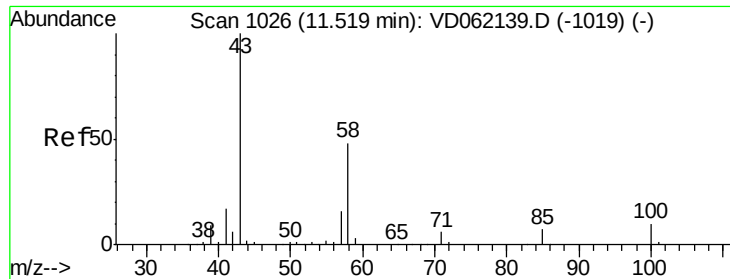
#58
 2-Chloroethyl Vinyl ether
 Concen: 21.493 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Tgt Ion: 63 Resp: 77092
 Ion Ratio Lower Upper
 63 100
 106 29.1 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

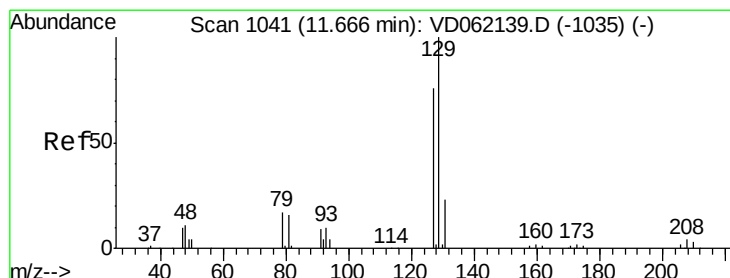
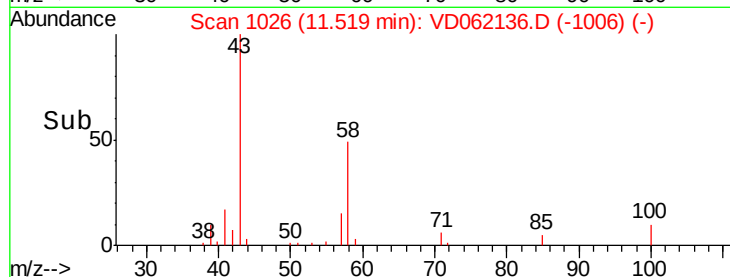
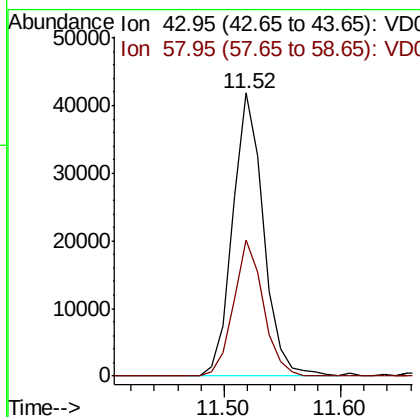
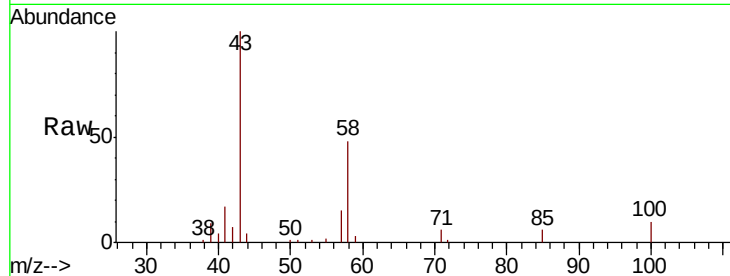




#59
2-Hexanone
Concen: 22.961 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

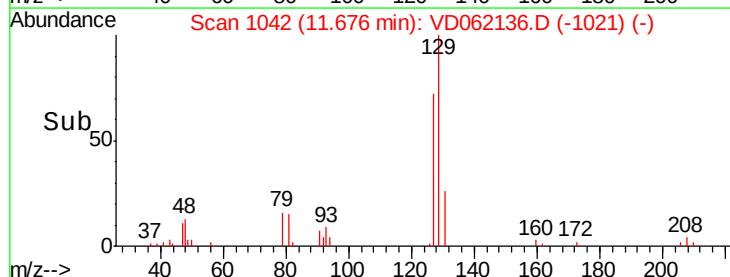
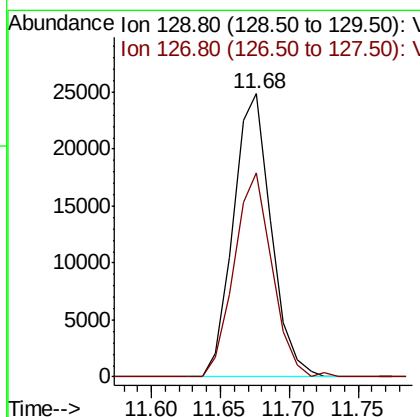
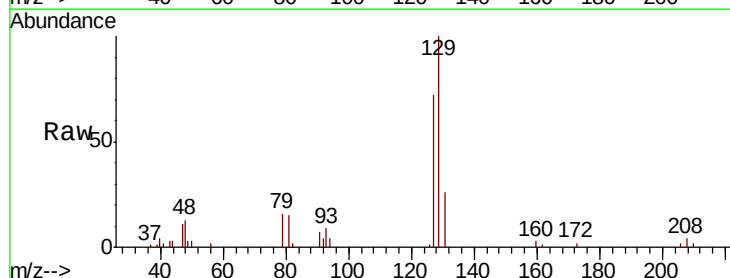
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

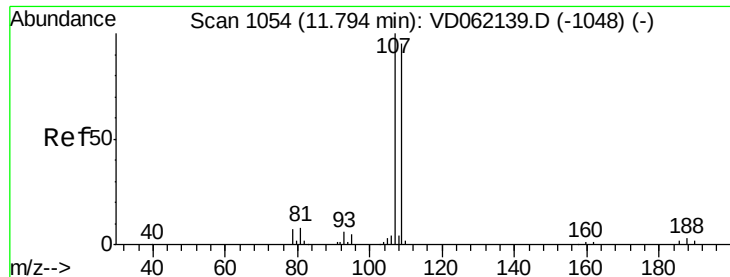
Tgt Ion: 43 Resp: 76373
Ion Ratio Lower Upper
43 100
58 48.1 25.4 76.4



#60
Dibromochloromethane
Concen: 4.366 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion: 129 Resp: 47517
Ion Ratio Lower Upper
129 100
127 72.1 38.0 113.9

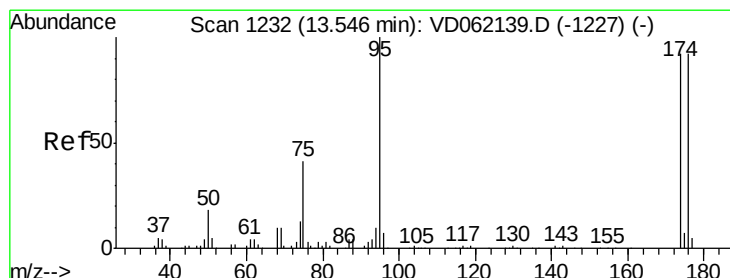
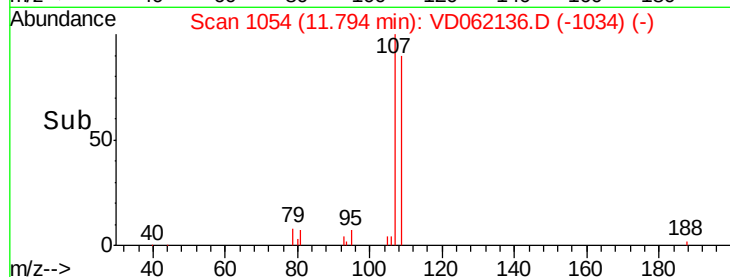
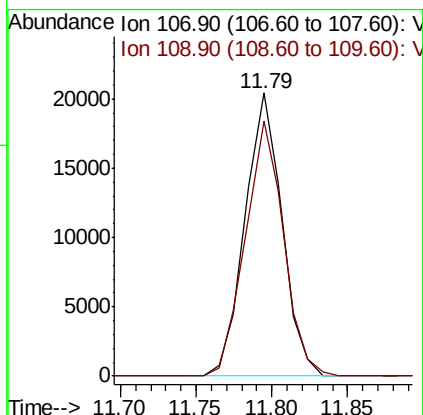
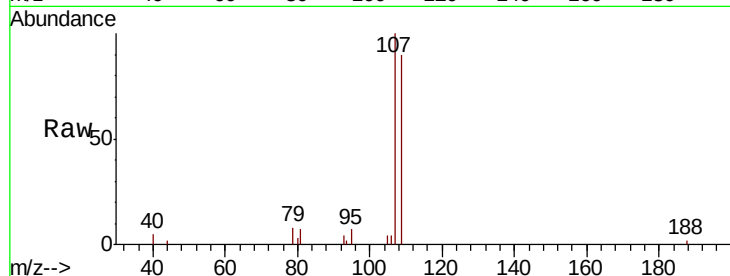




#61
 1,2-Dibromoethane
 Concen: 4.681 ug/l
 RT: 11.79 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

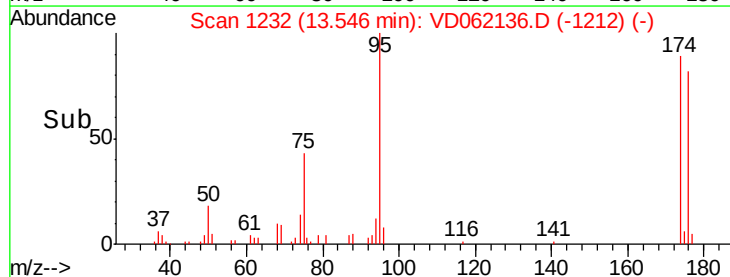
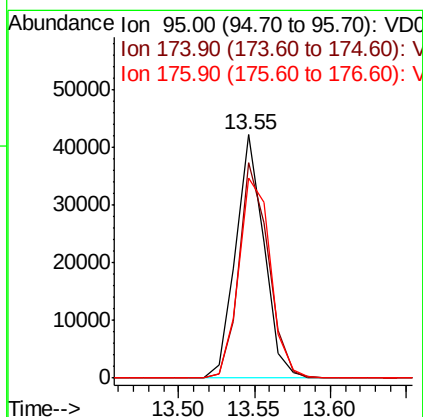
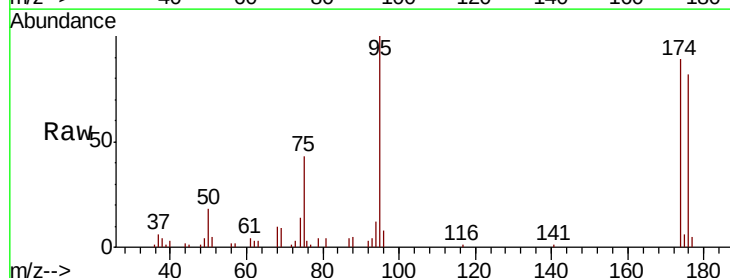
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

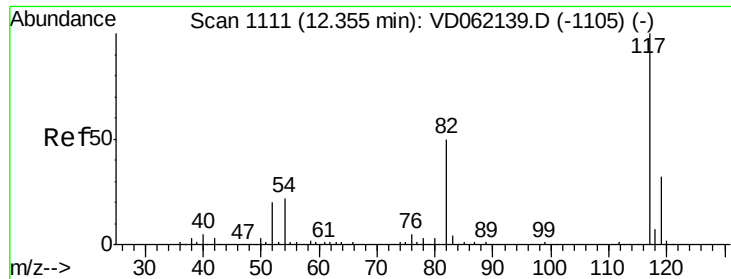
Tgt Ion: 107 Resp: 34693
 Ion Ratio Lower Upper
 107 100
 109 90.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 4.330 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Tgt Ion: 95 Resp: 54781
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 181.8
 176 82.3 0.0 174.4

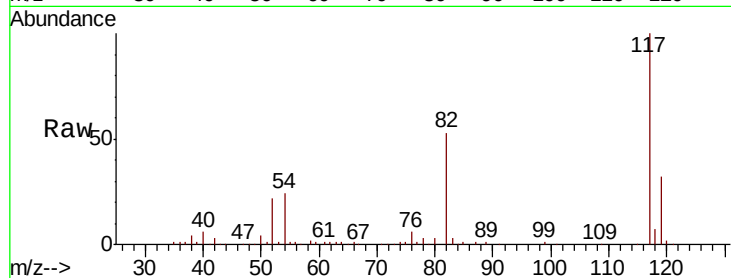




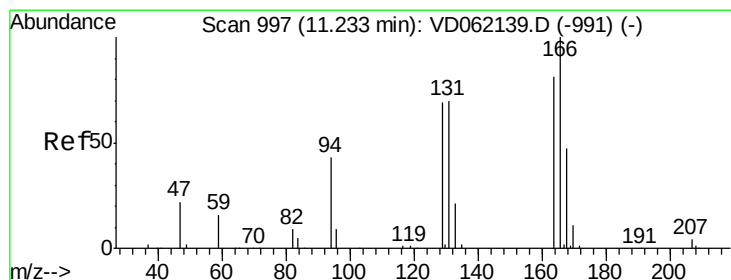
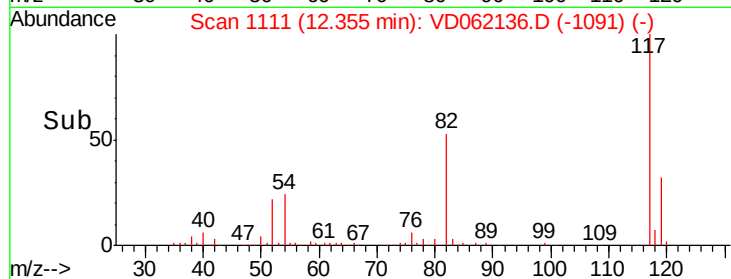
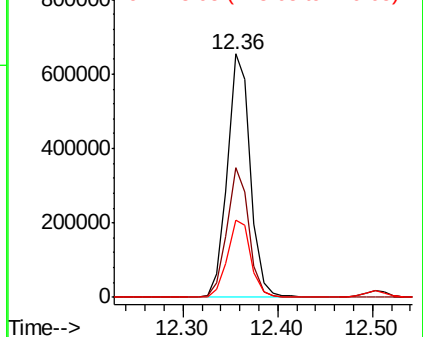
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 1093653
Ion Ratio Lower Upper
117 100
82 53.3 36.2 54.2
119 31.9 26.2 39.4

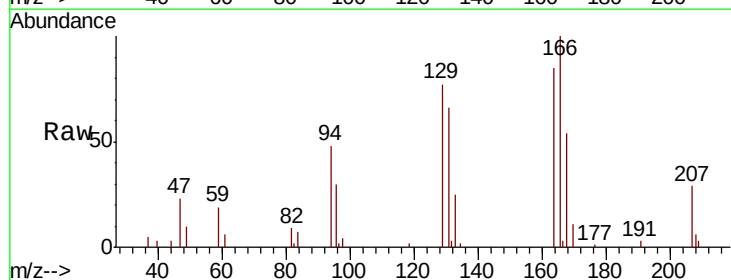


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

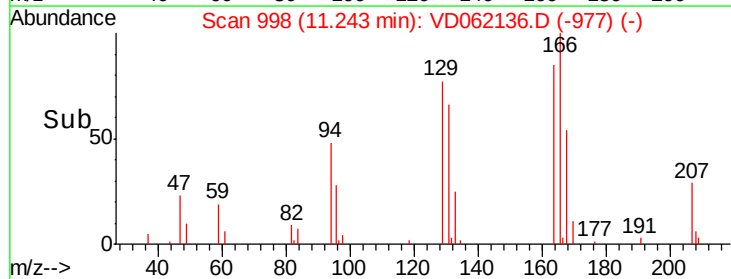
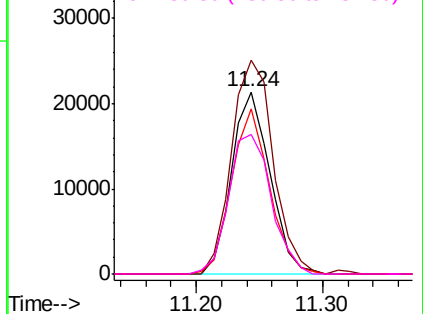


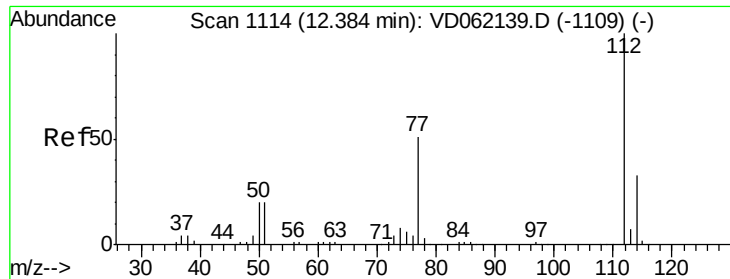
#64
Tetrachloroethene
Concen: 5.057 ug/l
RT: 11.24 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion:164 Resp: 44991
Ion Ratio Lower Upper
164 100
166 117.1 101.5 152.3
129 90.5 74.6 112.0
131 76.9 72.6 108.8



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

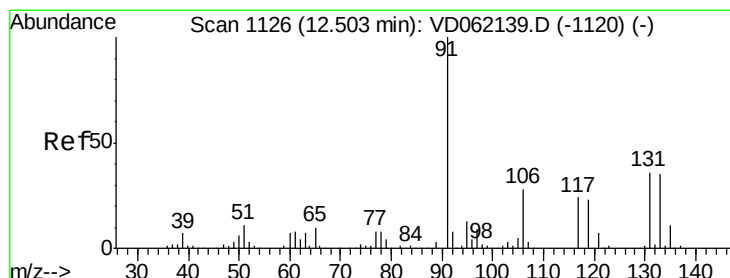
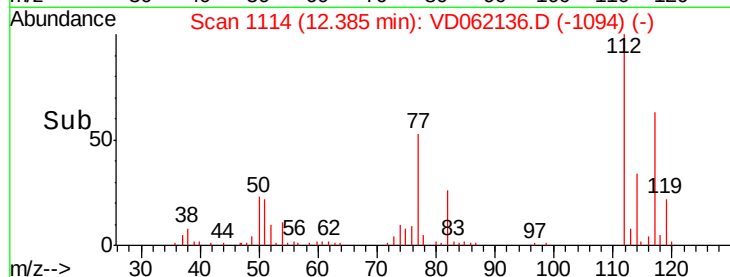
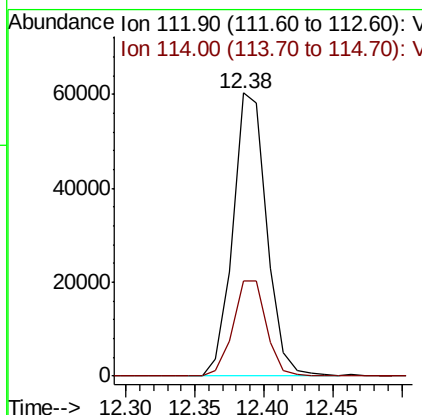
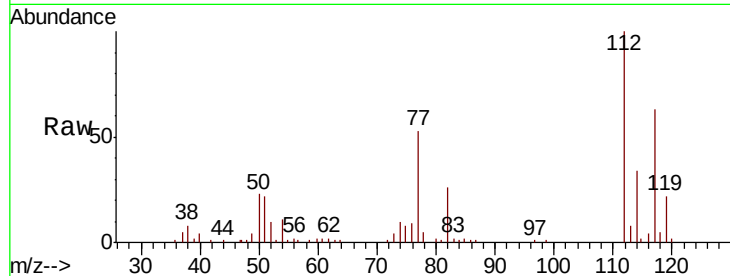




#65
Chlorobenzene
Concen: 5.135 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

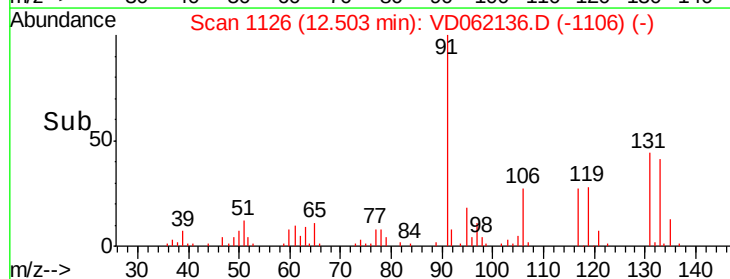
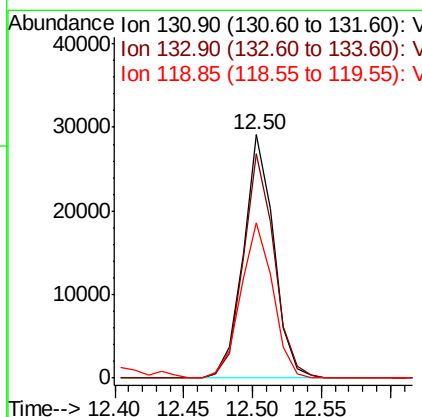
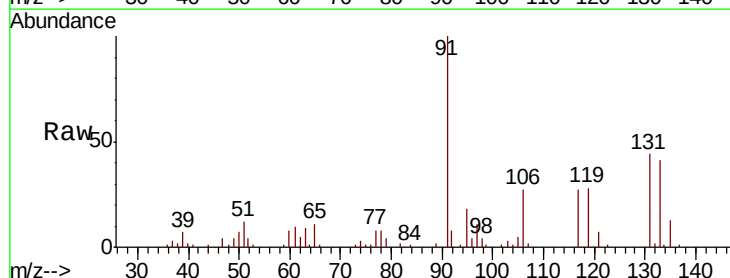
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

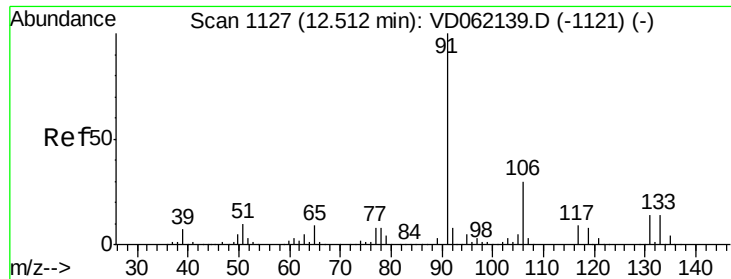
Tgt Ion:112 Resp: 103079
Ion Ratio Lower Upper
112 100
114 33.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 4.732 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion:131 Resp: 44944
Ion Ratio Lower Upper
131 100
133 91.9 48.6 145.8
119 63.8 34.7 104.1

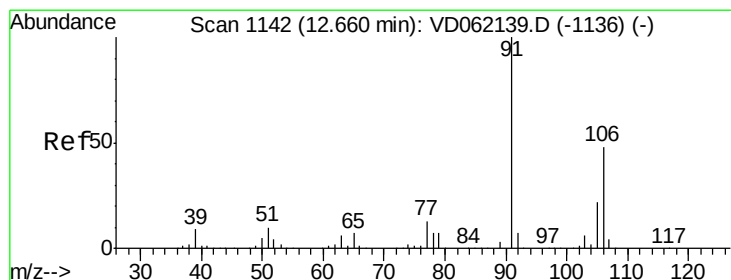
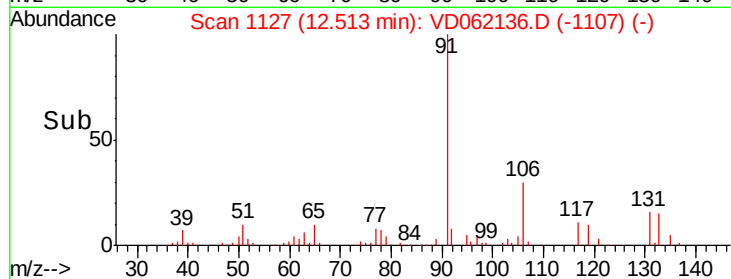
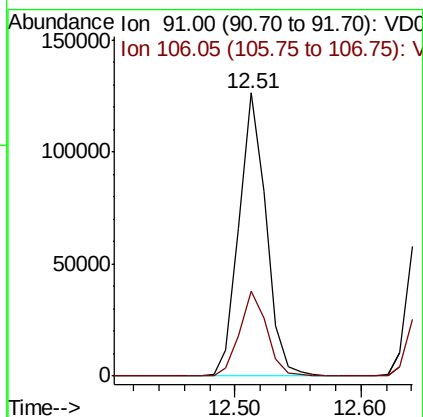
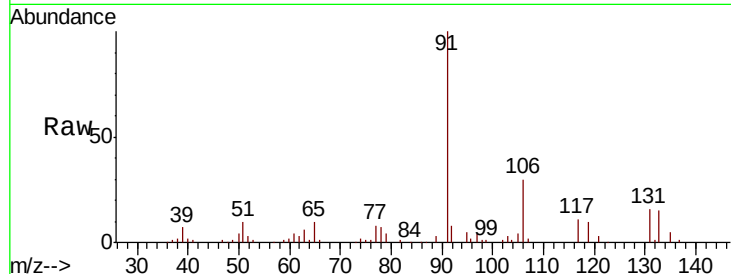




#67
Ethyl Benzene
Concen: 5.163 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

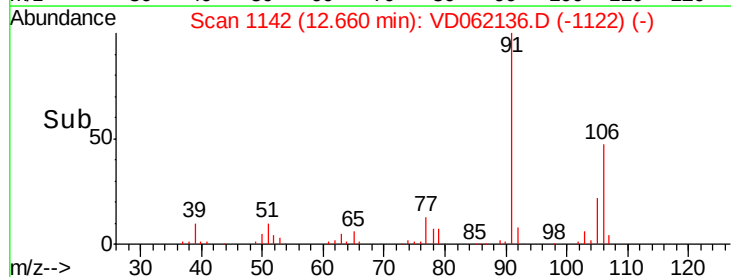
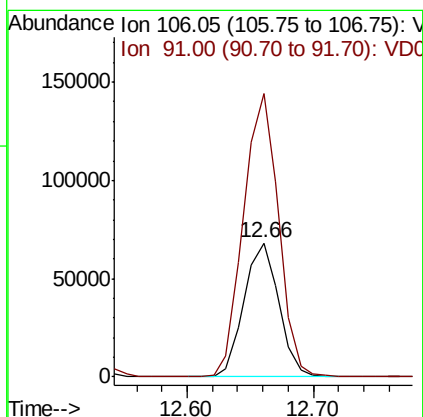
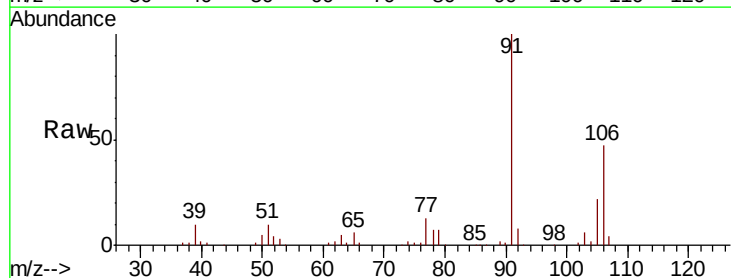
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

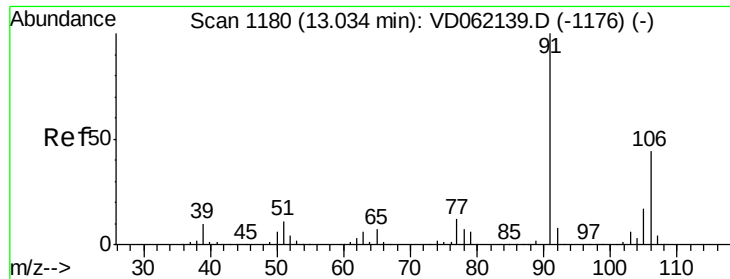
Tgt Ion: 91 Resp: 186393
Ion Ratio Lower Upper
91 100
106 30.0 24.7 37.1



#68
m/p-Xylenes
Concen: 9.609 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion: 106 Resp: 130480
Ion Ratio Lower Upper
106 100
91 211.0 164.0 246.0

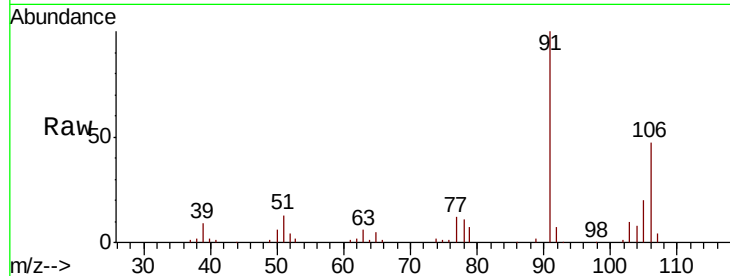




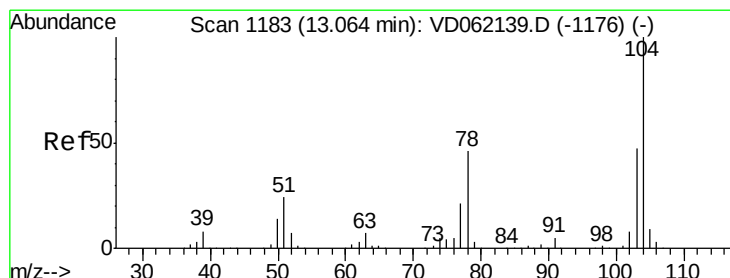
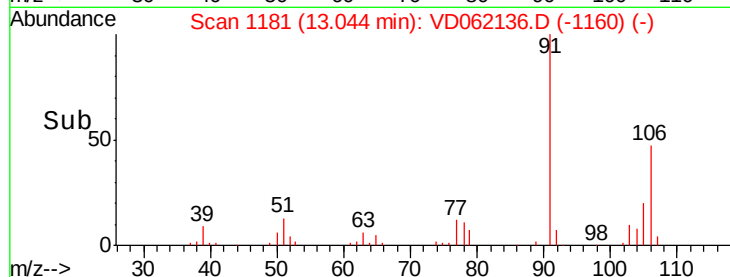
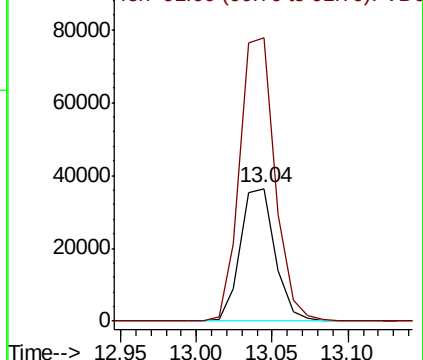
#69
o-Xylene
Concen: 4.775 ug/l
RT: 13.04 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 58203
Ion Ratio Lower Upper
106 100
91 213.2 106.7 319.9

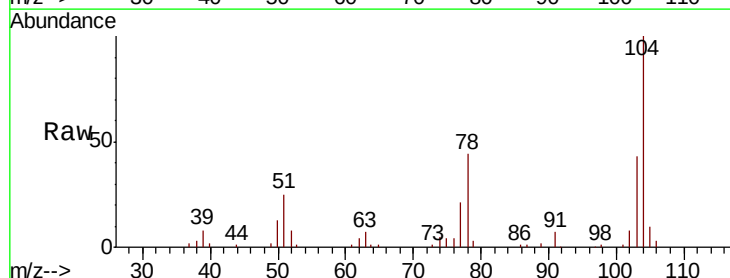


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

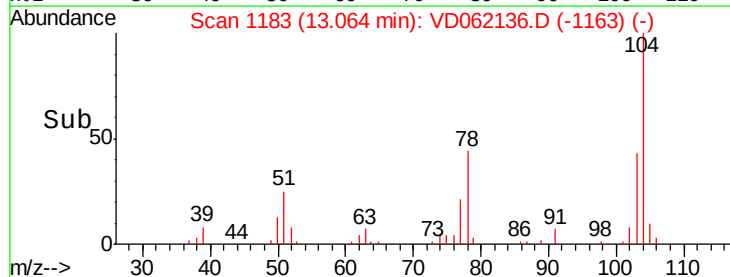
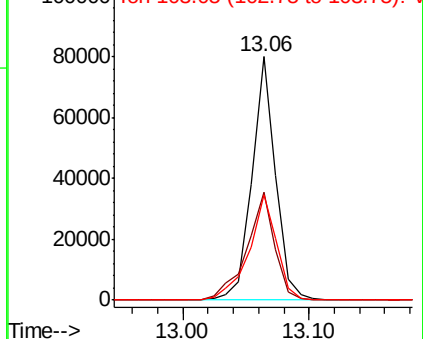


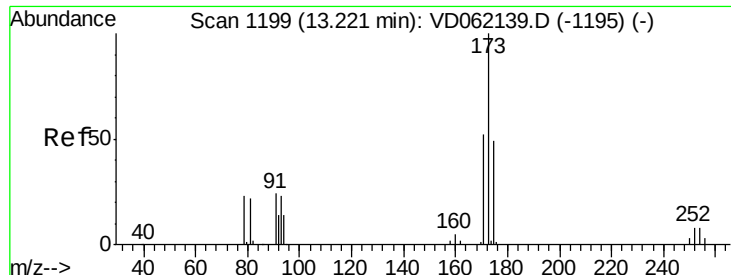
#70
Styrene
Concen: 5.247 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion:104 Resp: 104559
Ion Ratio Lower Upper
104 100
78 44.2 35.4 53.2
103 43.2 37.5 56.3



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

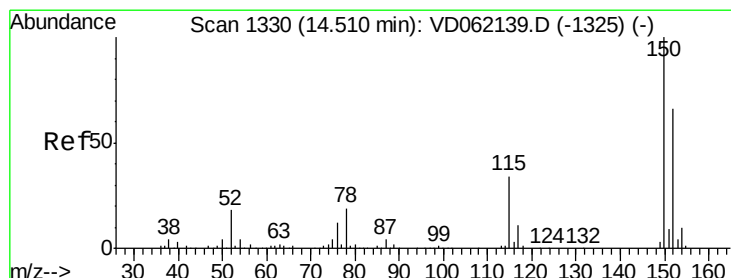
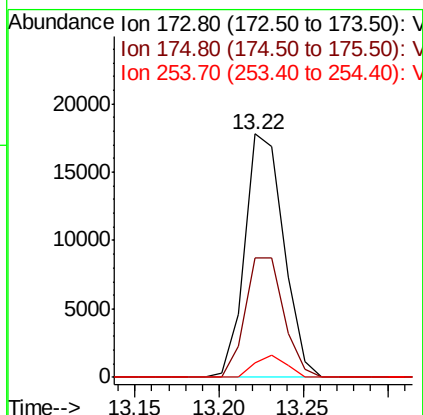
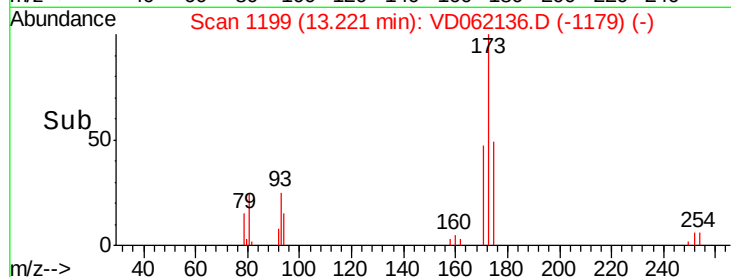
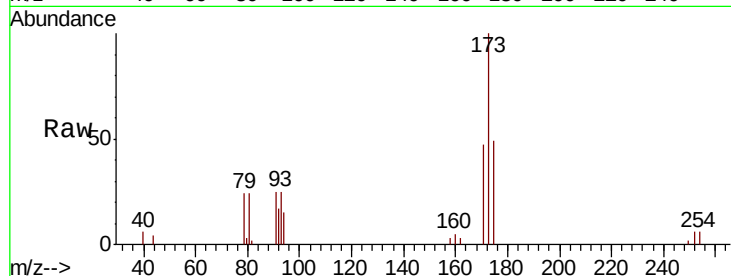




#71
Bromoform
Concen: 4.316 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

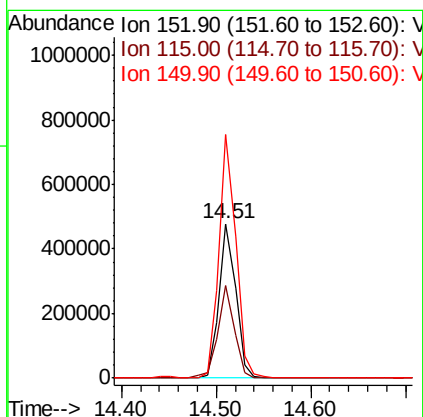
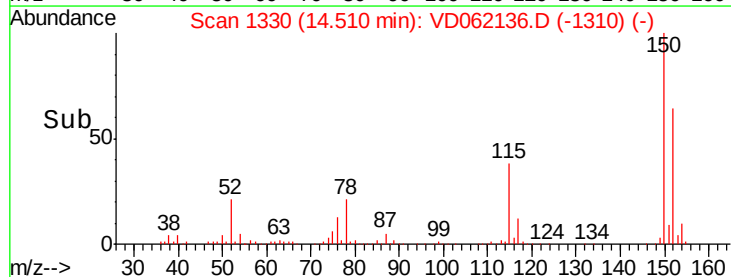
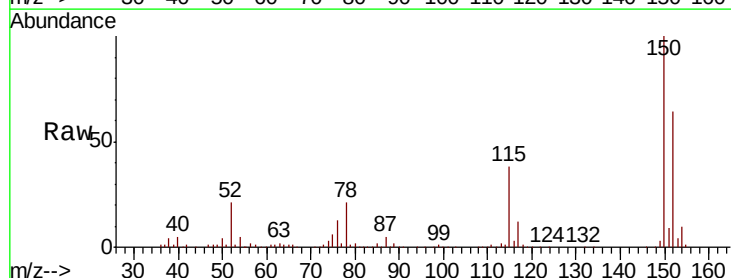
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

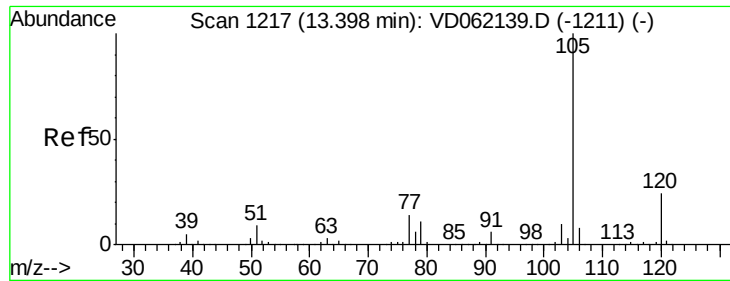
Tgt Ion:173 Resp: 28432
Ion Ratio Lower Upper
173 100
175 49.0 24.4 73.4
254 6.0 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion:152 Resp: 587223
Ion Ratio Lower Upper
152 100
115 59.5 30.9 92.7
150 157.4 0.0 314.8





#73

Isopropylbenzene

Concen: 4.835 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

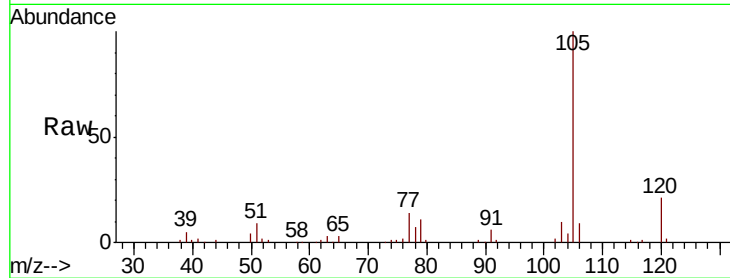
VSTDIC005

Tgt Ion: 105 Resp: 169387

Ion Ratio Lower Upper

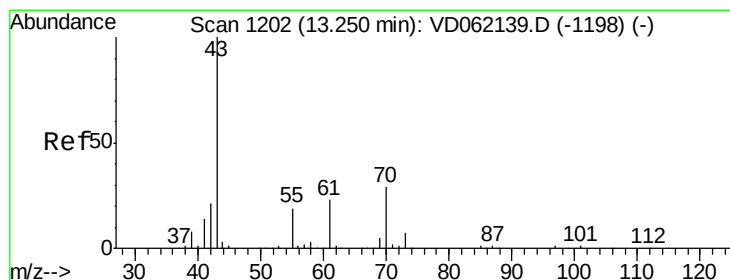
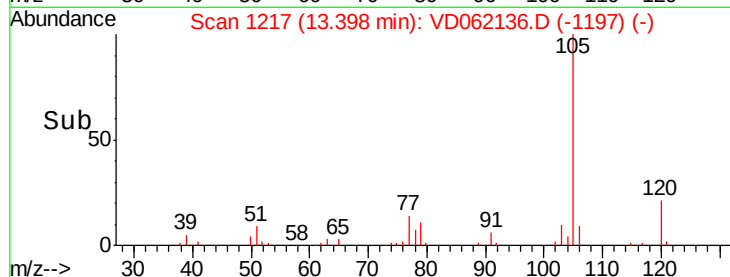
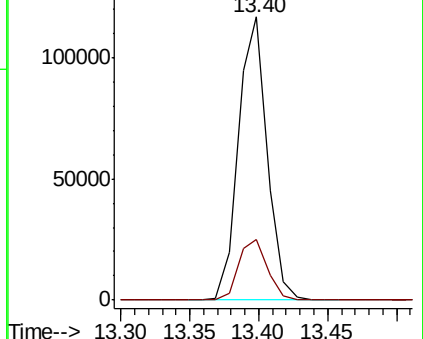
105 100

120 21.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 4.630 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Tgt Ion: 43 Resp: 41905

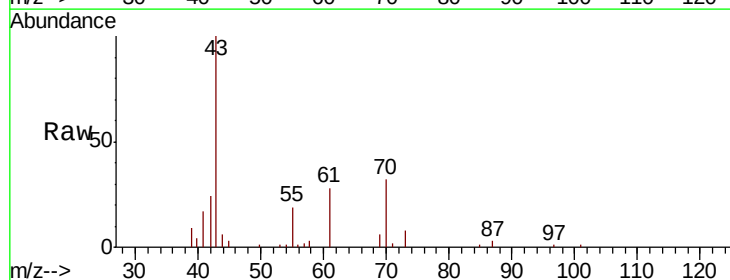
Ion Ratio Lower Upper

43 100

70 32.1 24.2 36.4

55 18.8 16.0 24.0

61 28.4 21.6 32.4

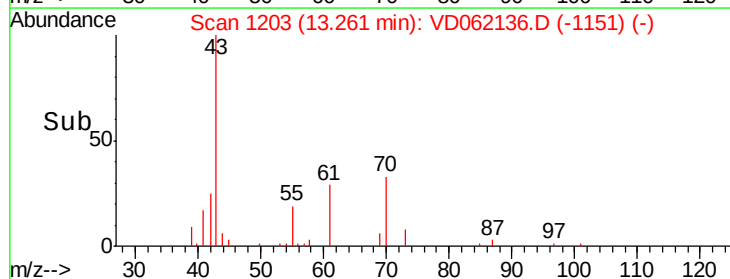
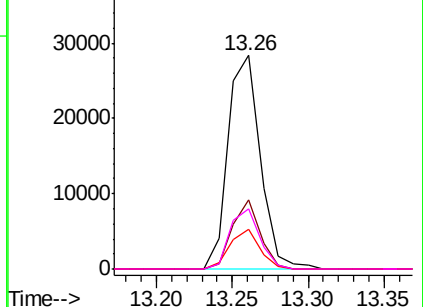


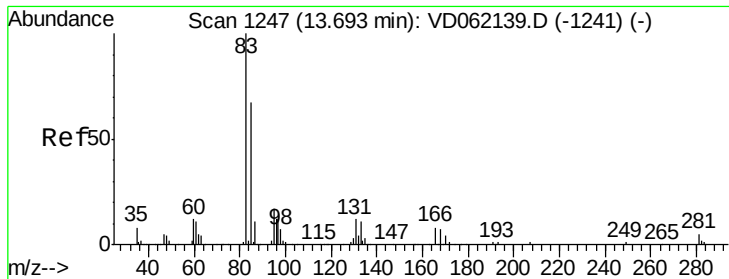
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.037 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

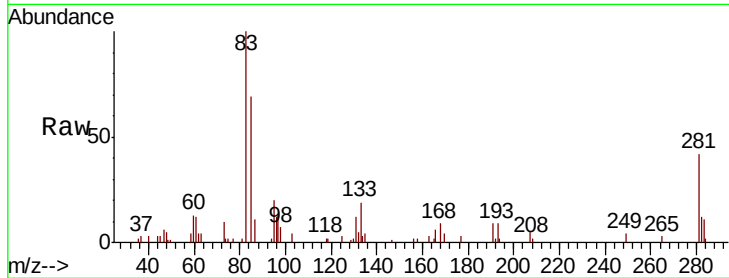
Tgt Ion: 83 Resp: 31628

Ion Ratio Lower Upper

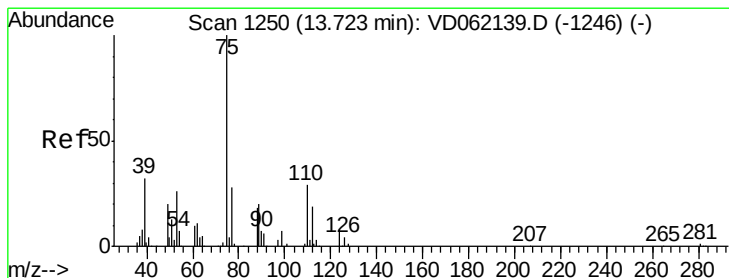
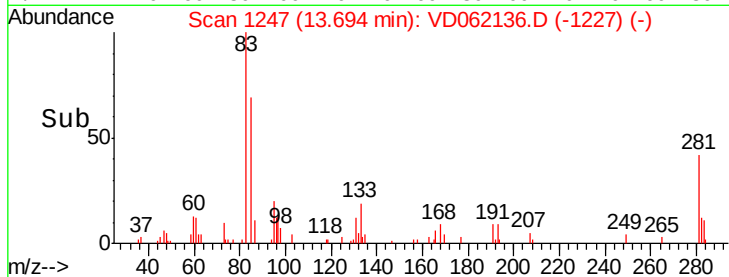
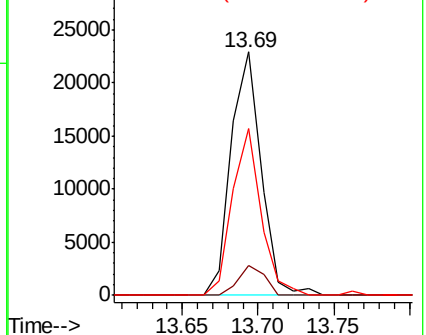
83 100

131 12.4 5.0 14.9

85 68.8 32.6 97.7



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: 5.124 ug/l

RT: 13.72 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062136.D

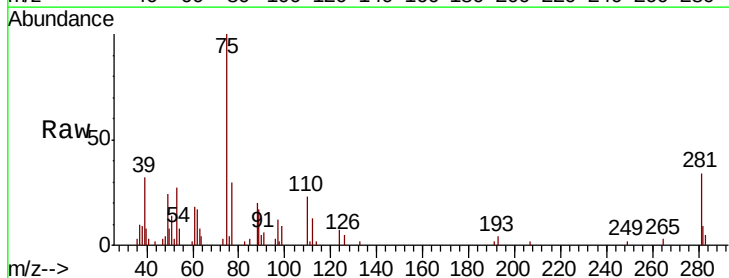
Acq: 7 May 2019 11:38

Tgt Ion: 75 Resp: 33214

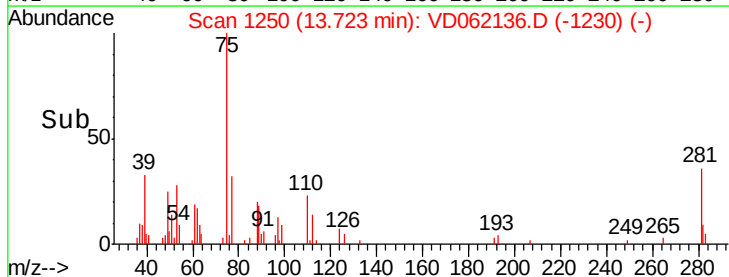
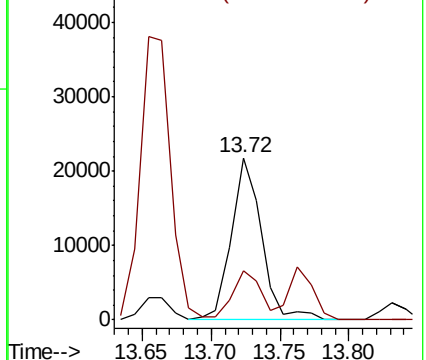
Ion Ratio Lower Upper

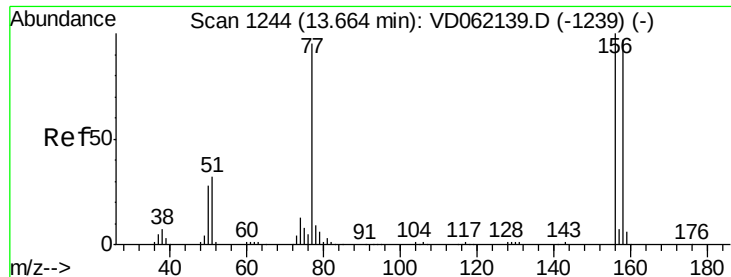
75 100

77 30.4 16.4 49.4



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





#77

Bromobenzene

Concen: 5.303 ug/l

RT: 13.66 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

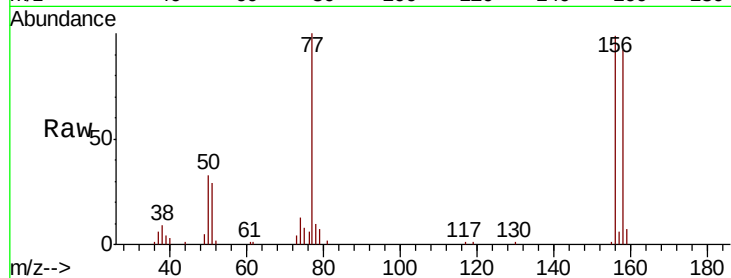
Tgt Ion:156 Resp: 48364

Ion Ratio Lower Upper

156 100

77 101.1 53.1 159.4

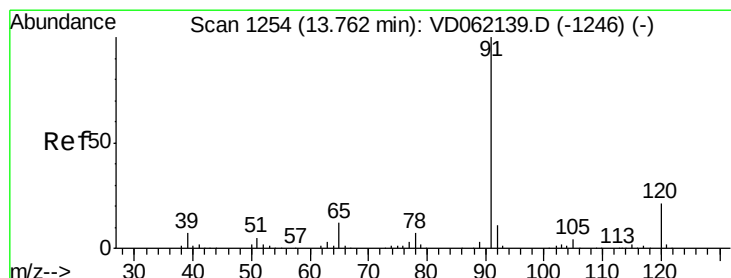
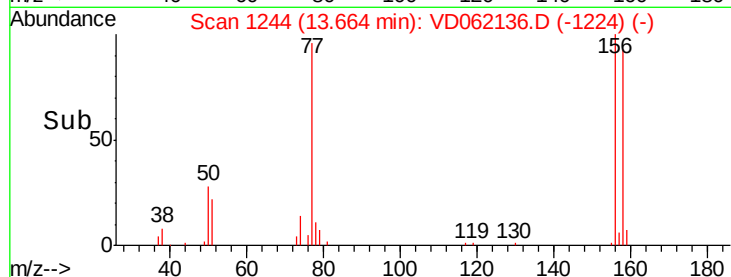
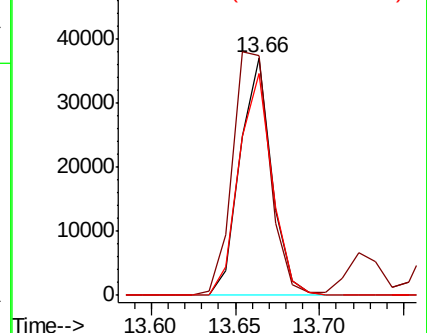
158 93.2 49.4 148.0



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: 5.205 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062136.D

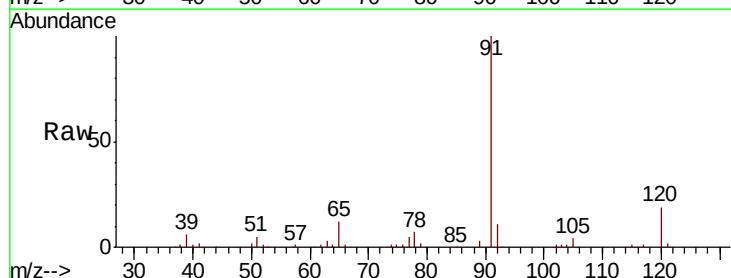
Acq: 7 May 2019 11:38

Tgt Ion: 91 Resp: 206412

Ion Ratio Lower Upper

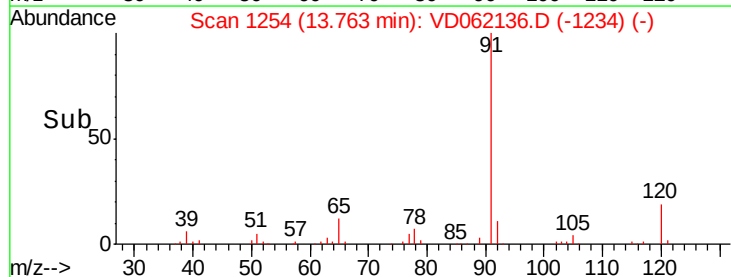
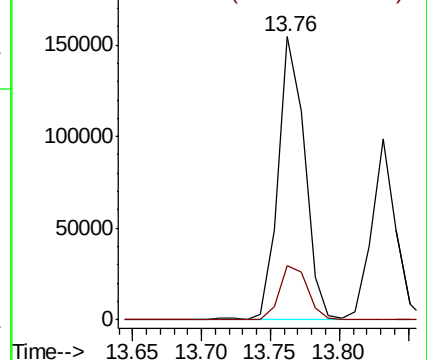
91 100

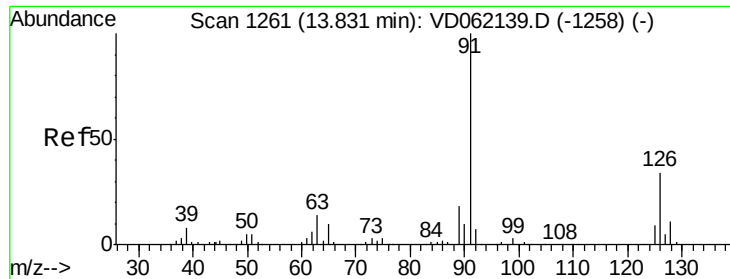
120 19.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 5.093 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

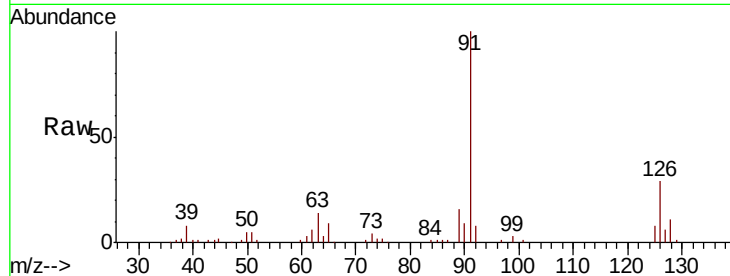
VSTDIC005

Tgt Ion: 91 Resp: 119283

Ion Ratio Lower Upper

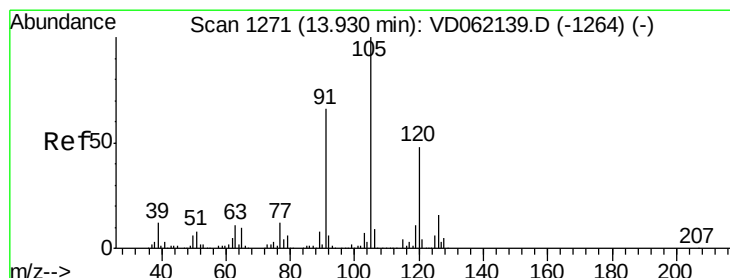
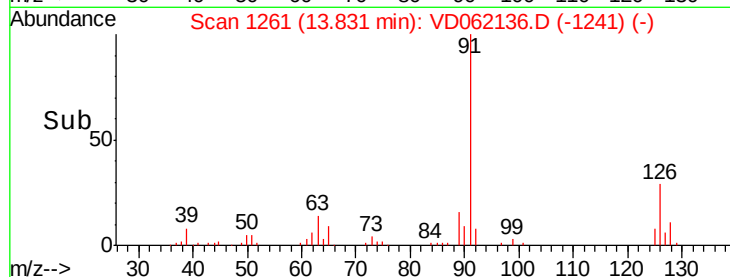
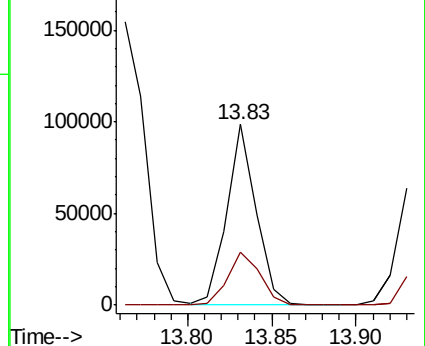
91 100

126 29.1 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 5.447 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062136.D

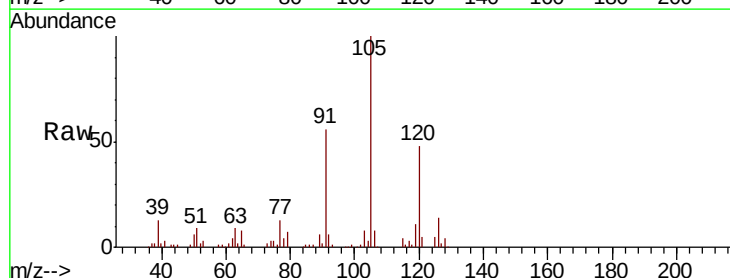
Acq: 7 May 2019 11:38

Tgt Ion: 105 Resp: 156524

Ion Ratio Lower Upper

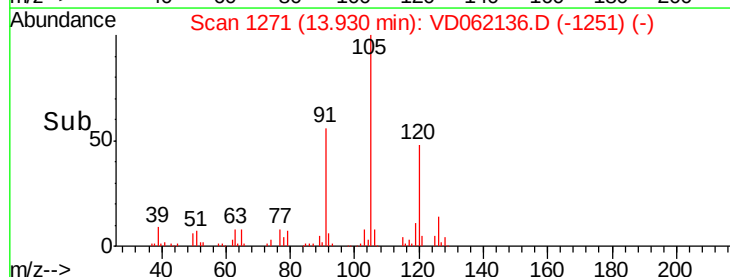
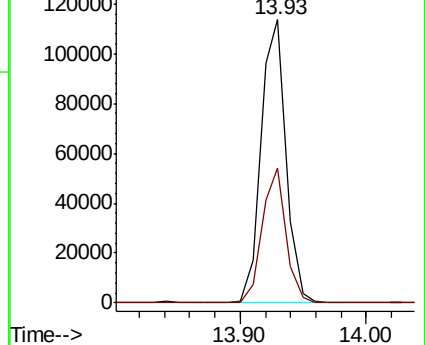
105 100

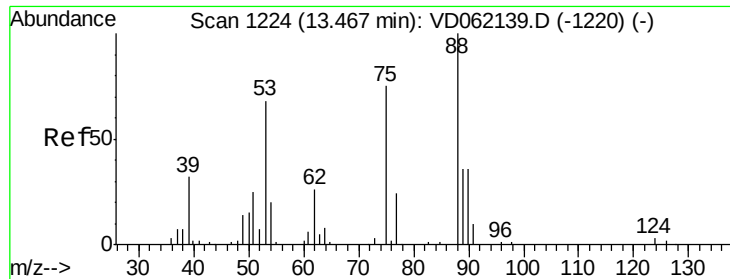
120 47.7 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.138 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

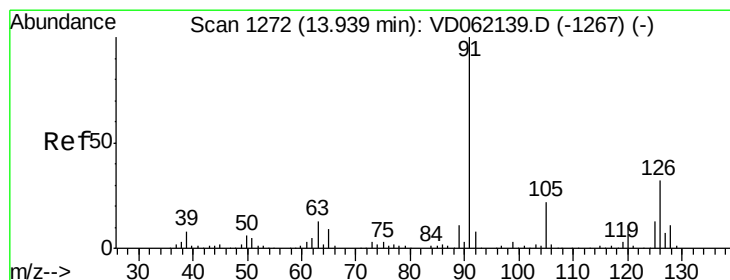
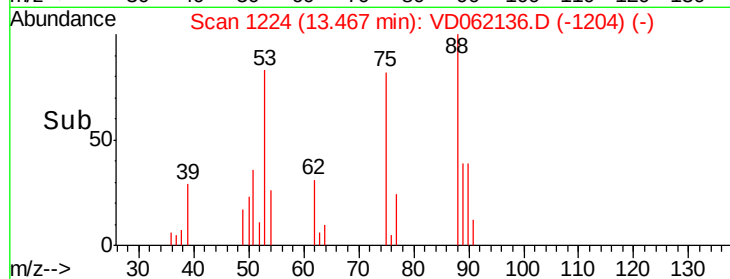
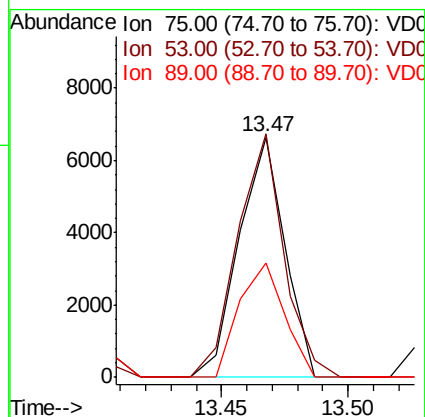
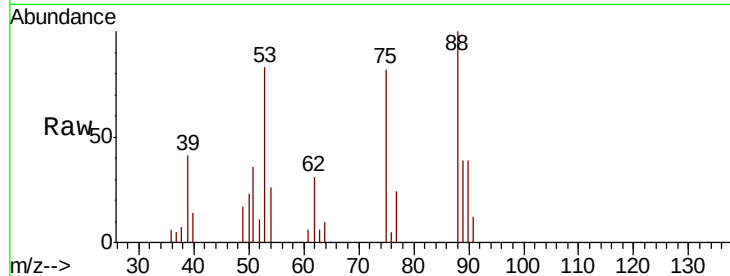
Tgt Ion: 75 Resp: 8361

Ion Ratio Lower Upper

75 100

53 101.3 65.8 98.8#

89 47.5 35.0 52.6



#82

4-Chlorotoluene

Concen: 5.477 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062136.D

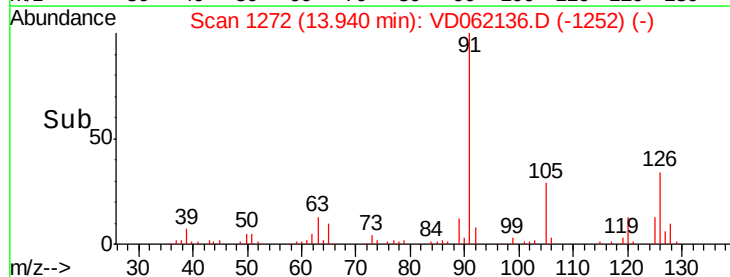
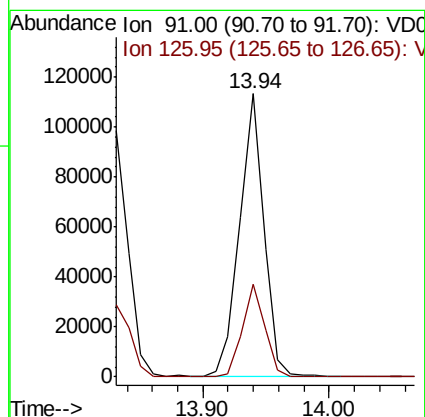
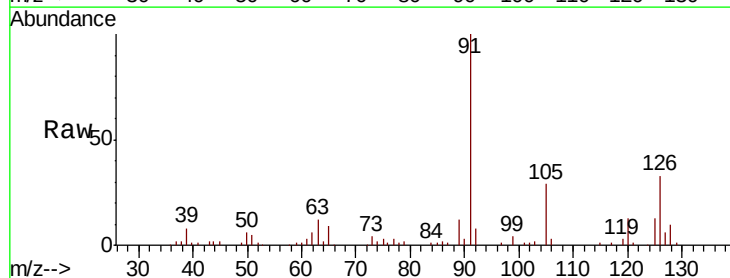
Acq: 7 May 2019 11:38

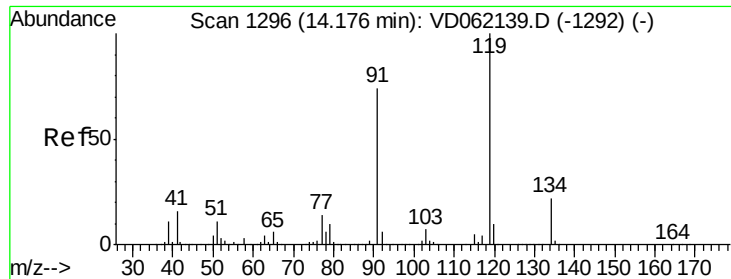
Tgt Ion: 91 Resp: 151423

Ion Ratio Lower Upper

91 100

126 32.8 19.1 57.5





#83

tert-Butylbenzene

Concen: 5.091 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

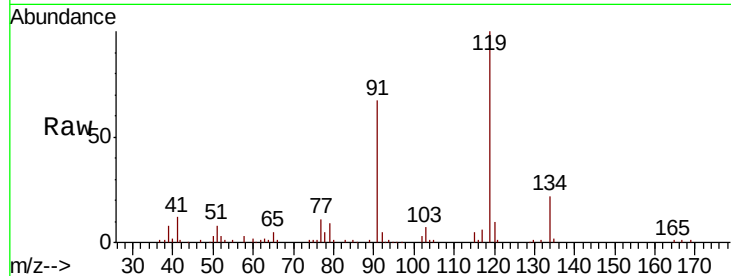
Tgt Ion:119 Resp: 169664

Ion Ratio Lower Upper

119 100

91 67.0 34.2 102.6

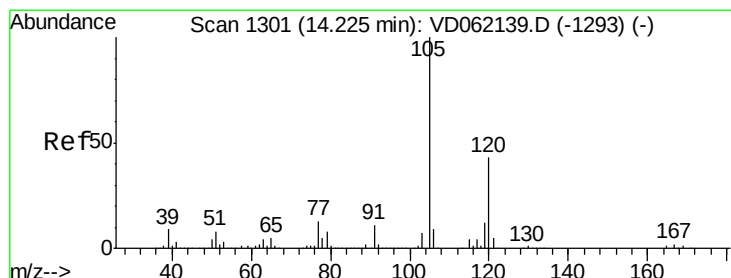
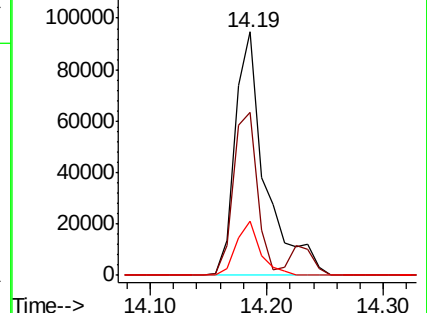
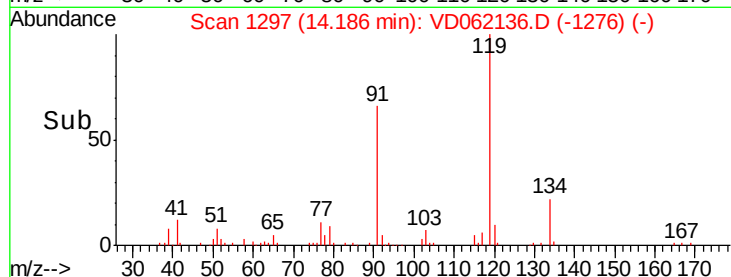
134 22.4 12.0 36.0



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: 5.271 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD062136.D

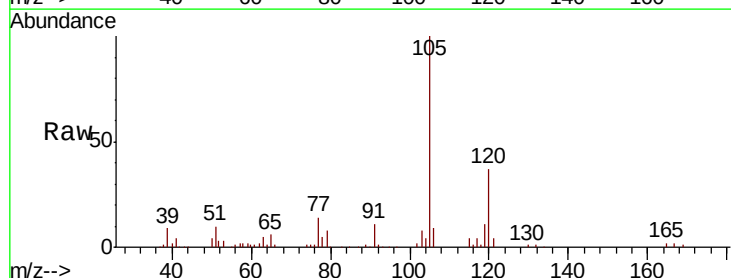
Acq: 7 May 2019 11:38

Tgt Ion:105 Resp: 152570

Ion Ratio Lower Upper

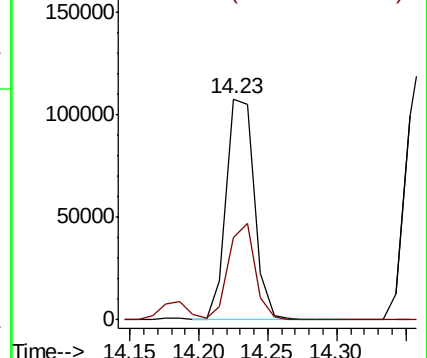
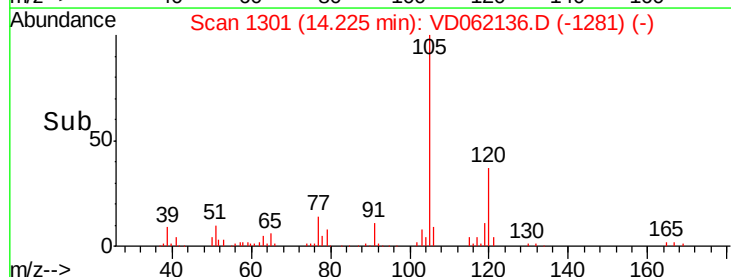
105 100

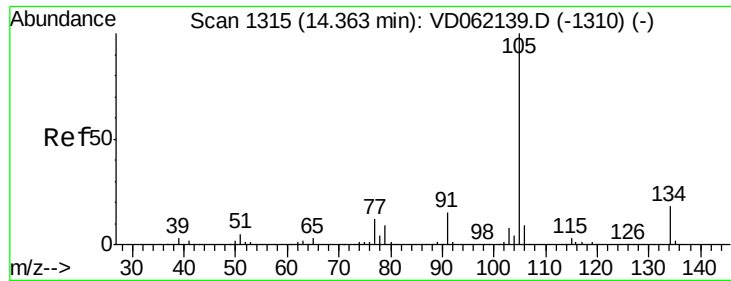
120 37.5 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

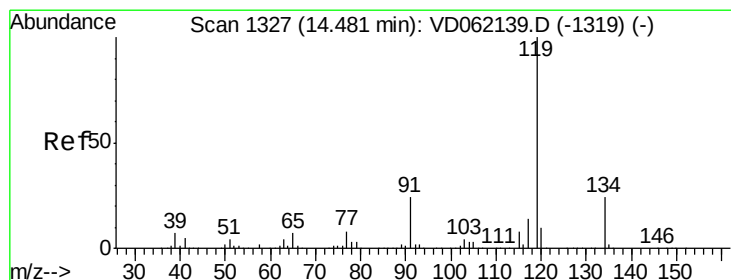
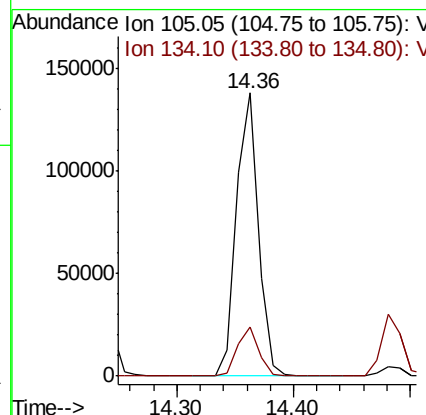
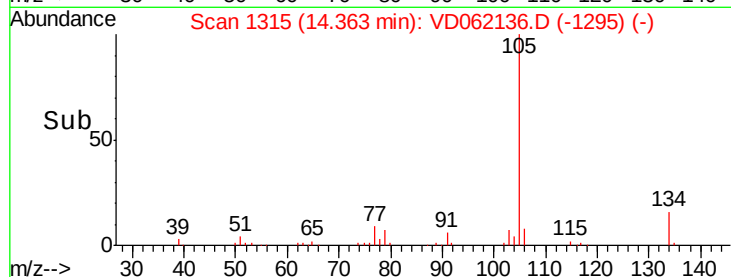
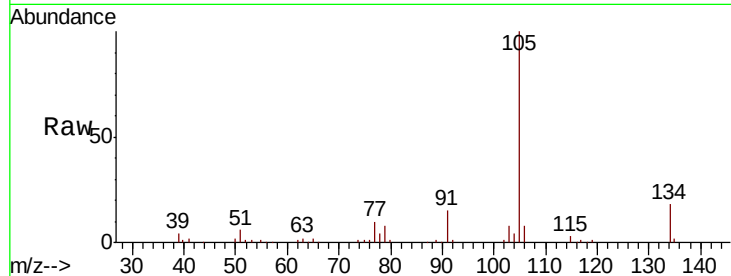




#85
 sec-Butylbenzene
 Concen: 5.053 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

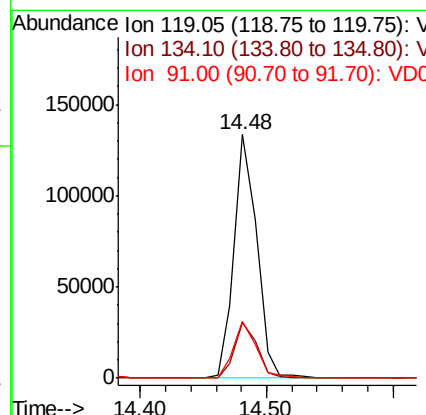
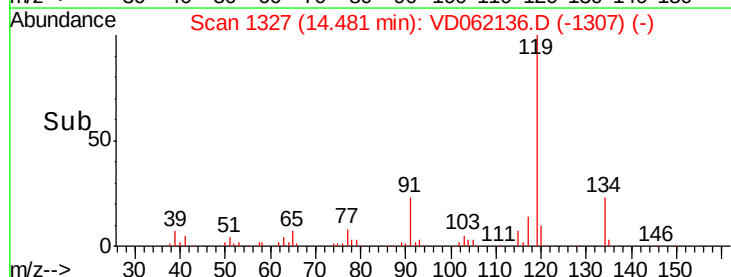
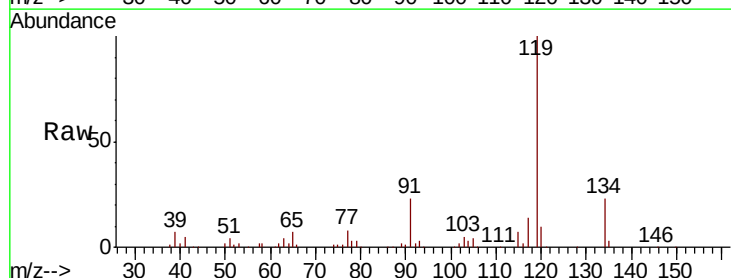
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

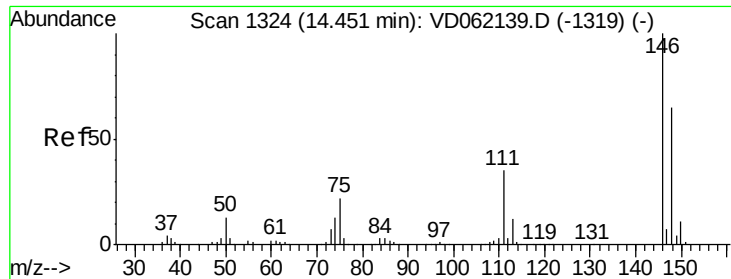
Tgt Ion:105 Resp: 180250
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 4.882 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Tgt Ion:119 Resp: 166097
 Ion Ratio Lower Upper
 119 100
 134 22.5 12.8 38.3
 91 23.3 10.7 32.1

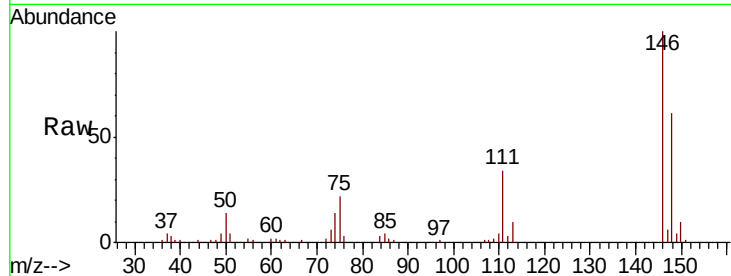




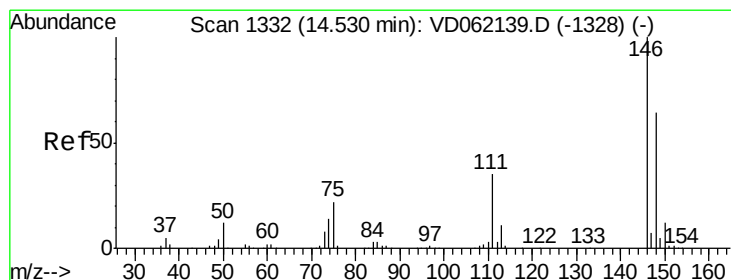
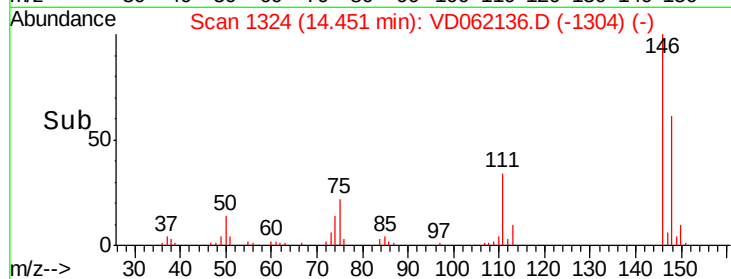
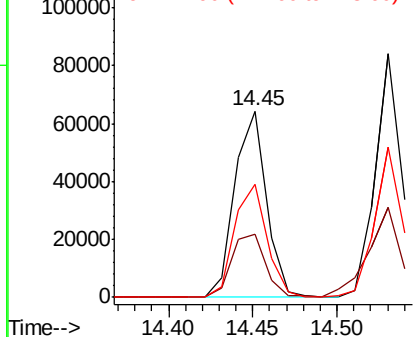
#87
 1,3-Dichlorobenzene
 Concen: 4.793 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:146 Resp: 84134
 Ion Ratio Lower Upper
 146 100
 111 33.8 20.0 60.0
 148 60.9 31.8 95.4

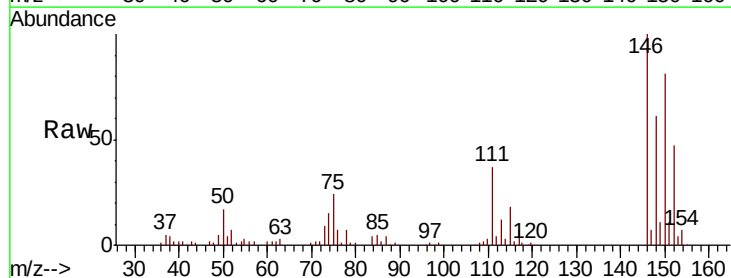


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

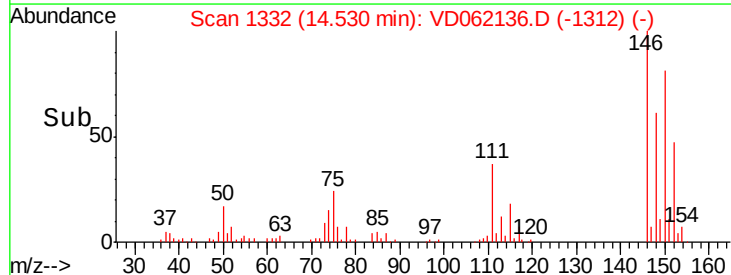
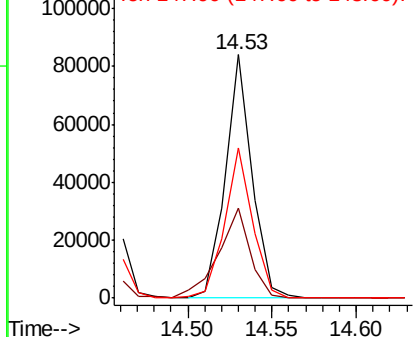


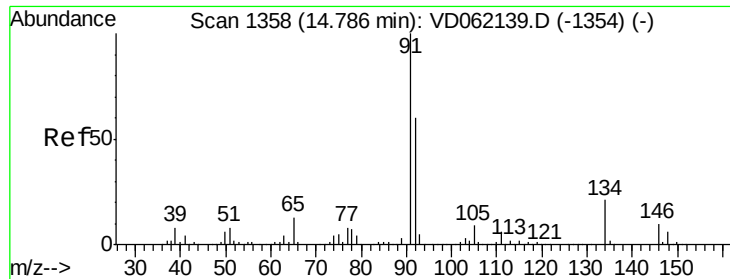
#88
 1,4-Dichlorobenzene
 Concen: 5.558 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Tgt Ion:146 Resp: 92505
 Ion Ratio Lower Upper
 146 100
 111 36.7 20.2 60.5
 148 61.4 32.0 96.2



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: 5.793 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062136.D

Acq: 7 May 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

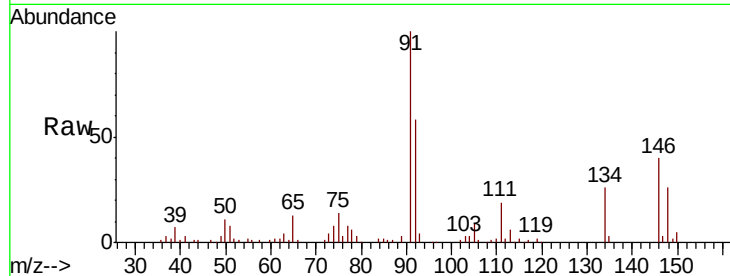
Tgt Ion: 91 Resp: 159604

Ion Ratio Lower Upper

91 100

92 57.6 30.3 91.0

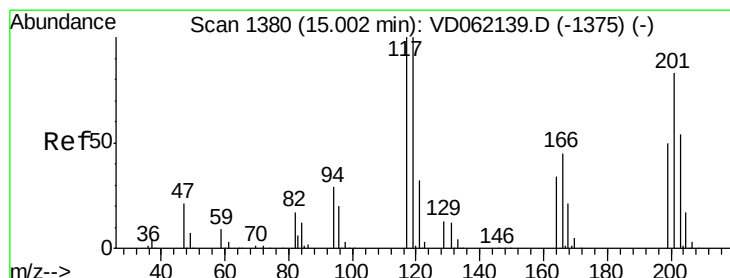
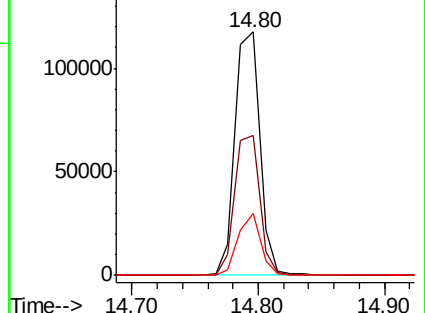
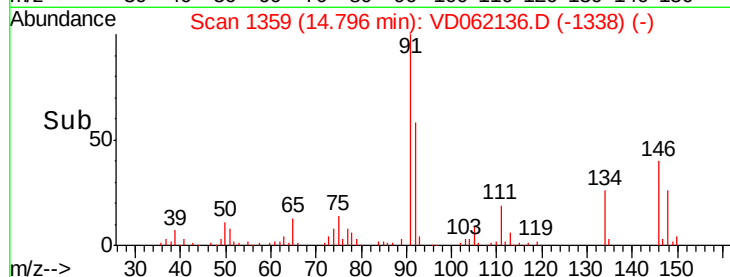
134 25.6 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 4.418 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062136.D

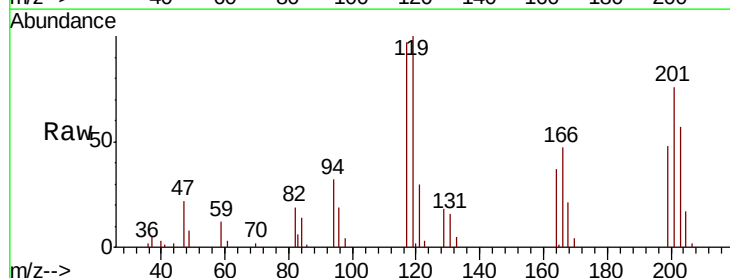
Acq: 7 May 2019 11:38

Tgt Ion: 117 Resp: 39177

Ion Ratio Lower Upper

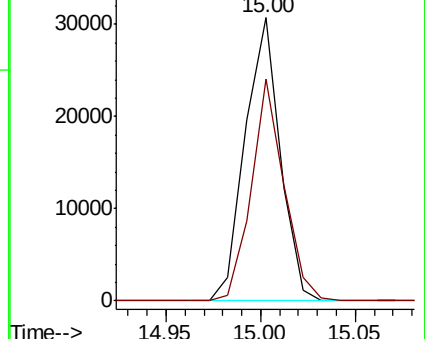
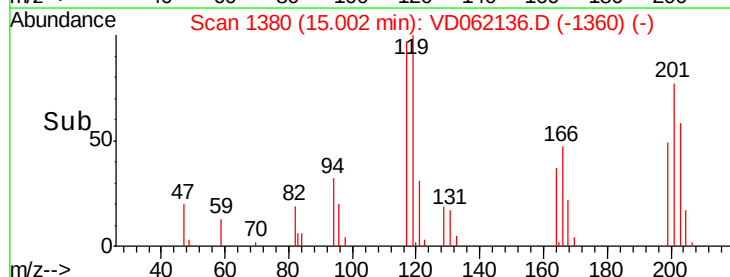
117 100

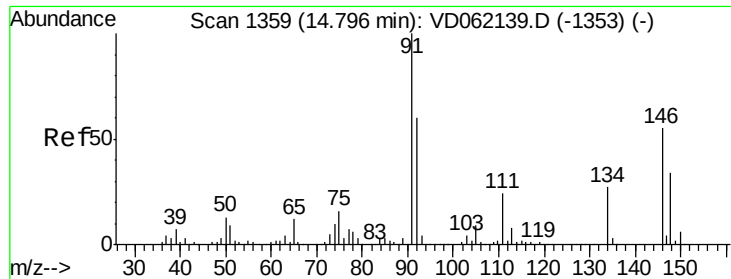
201 78.4 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

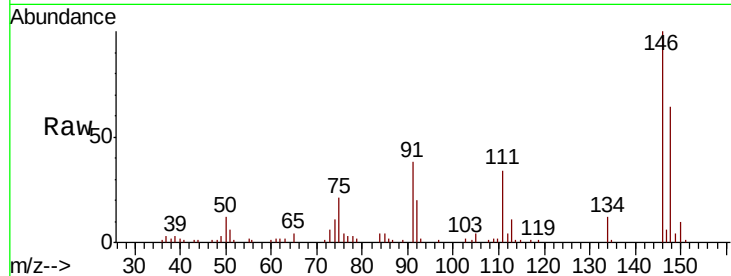




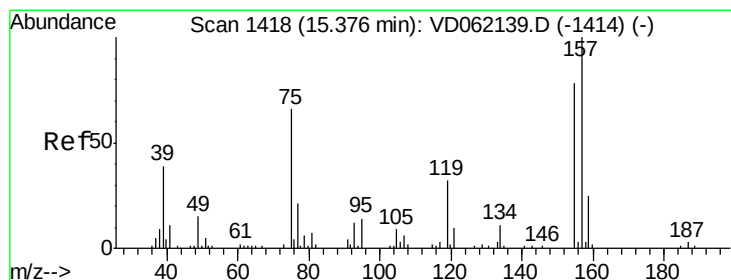
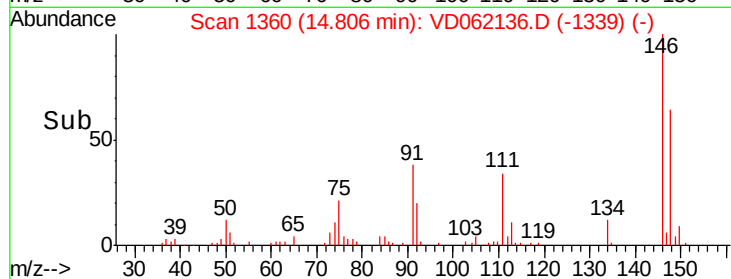
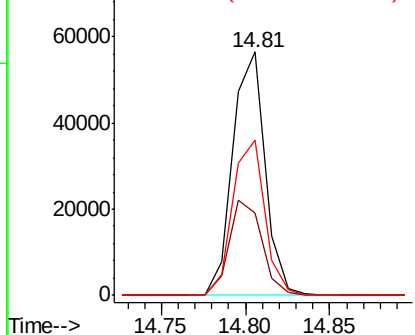
#91
 1,2-Dichlorobenzene
 Concen: 5.501 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:146 Resp: 75306
 Ion Ratio Lower Upper
 146 100
 111 34.1 20.0 59.9
 148 64.0 32.3 96.8

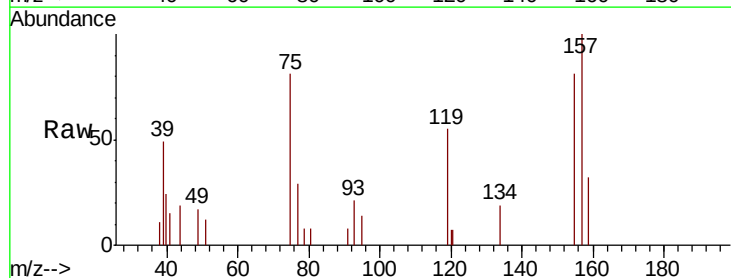


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

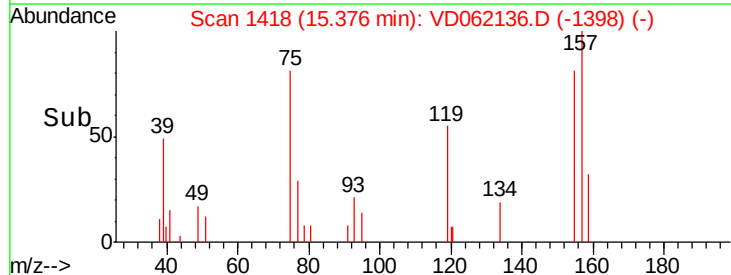
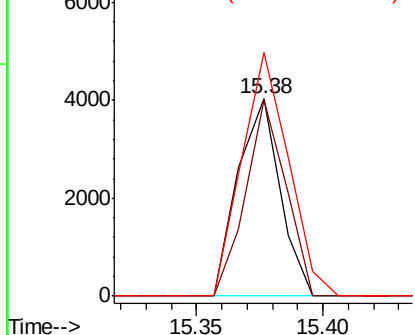


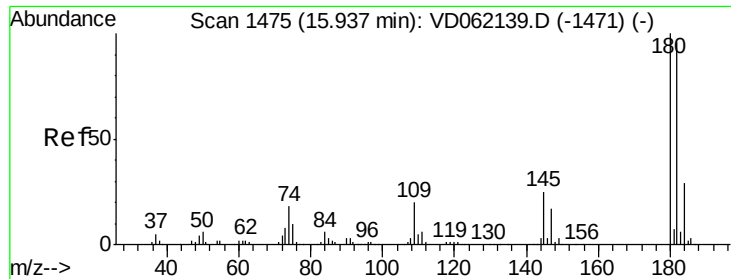
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.397 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Tgt Ion: 75 Resp: 4661
 Ion Ratio Lower Upper
 75 100
 155 99.7 55.3 165.8
 157 123.4 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

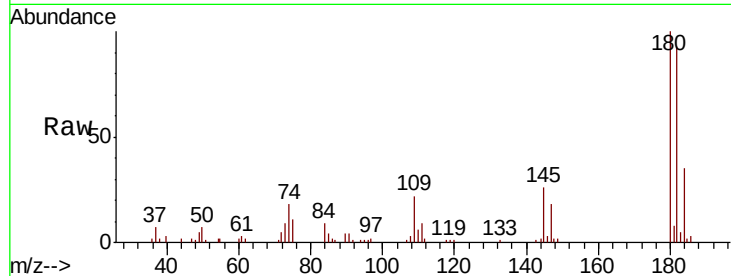




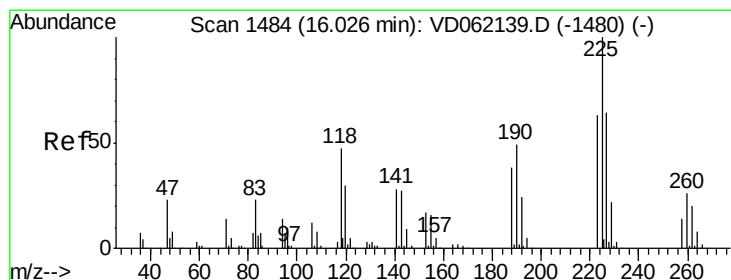
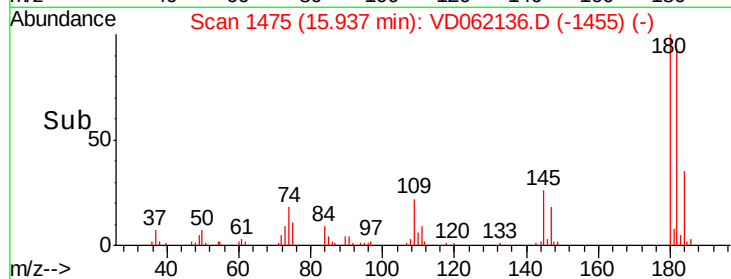
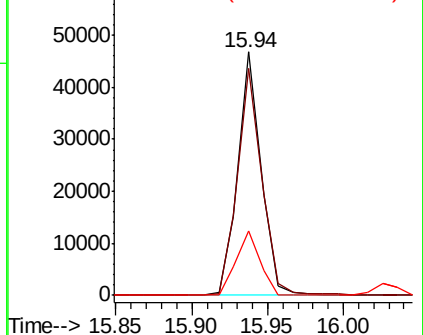
#93
 1,2,4-Trichlorobenzene
 Concen: 5.007 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 49960
 Ion Ratio Lower Upper
 180 100
 182 93.1 49.3 147.8
 145 26.3 16.2 48.6

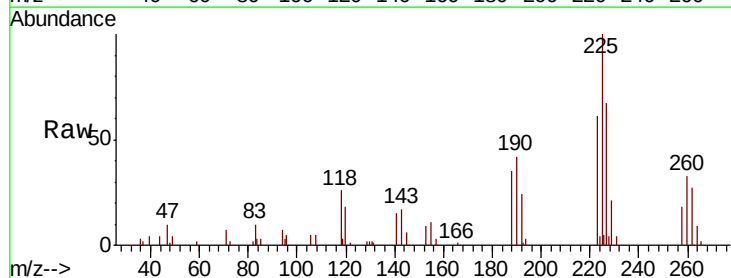


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

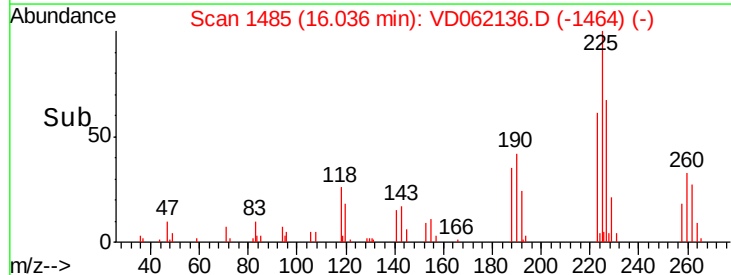
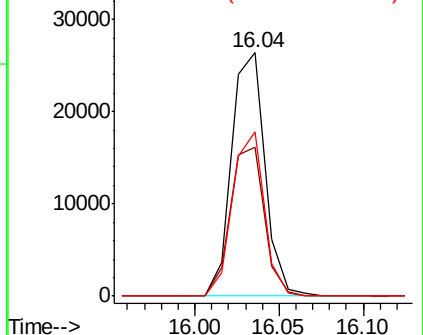


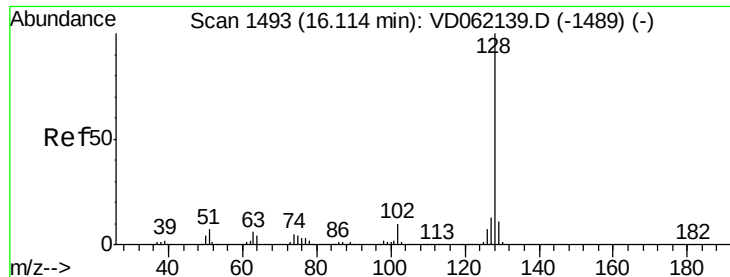
#94
 Hexachlorobutadiene
 Concen: 4.682 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062136.D
 Acq: 7 May 2019 11:38

Tgt Ion:225 Resp: 36201
 Ion Ratio Lower Upper
 225 100
 223 61.1 30.6 92.0
 227 67.4 32.0 96.2



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

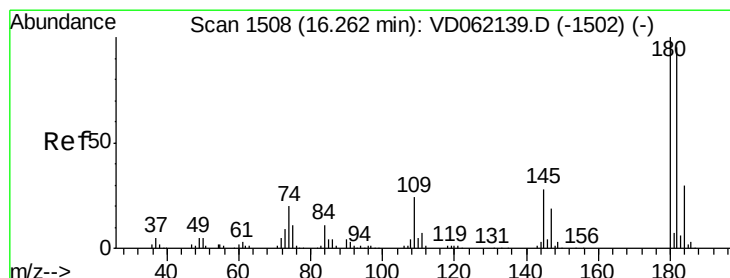
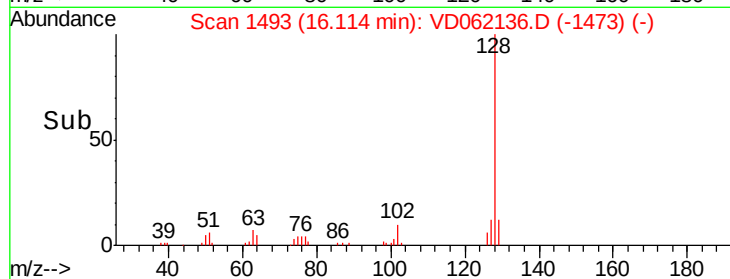
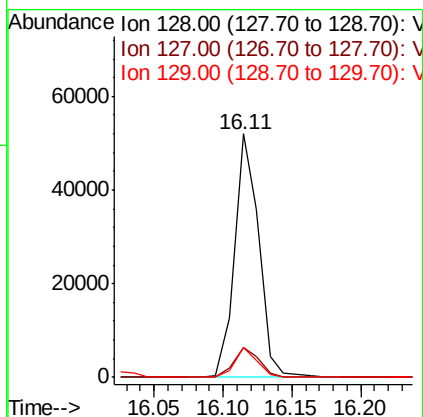
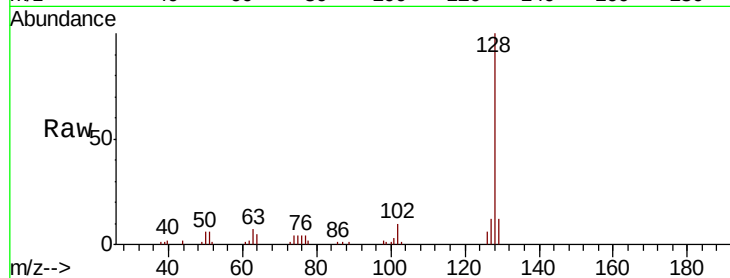




#95
Naphthalene
Concen: 4.246 ug/l
RT: 16.11 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 63412
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 12.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 4.757 ug/l
RT: 16.26 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062136.D
Acq: 7 May 2019 11:38

Tgt Ion:180 Resp: 31328
Ion Ratio Lower Upper
180 100
182 99.5 47.0 141.0
145 31.1 17.0 51.0

