

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062370.D
 Acq On : 15 May 2019 3:32
 Operator : FY/SY
 Sample : K2735-13RE
 Misc : 4.47g/5mL/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS017-0002-01RE

Quant Time: May 15 06:33:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	18062	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	36984	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	31163	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	12209	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	20426	121.69	ug/l	0.04
Spiked Amount			Recovery	=	243.38%	
35) Dibromofluoromethane	6.94	113	15667	51.06	ug/l	0.05
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	10.43	98	20063	27.12	ug/l	0.03
Spiked Amount			Recovery	=	54.24%	
62) 4-Bromofluorobenzene	13.57	95	11969	40.29	ug/l	0.02
Spiked Amount			Recovery	=	80.58%	

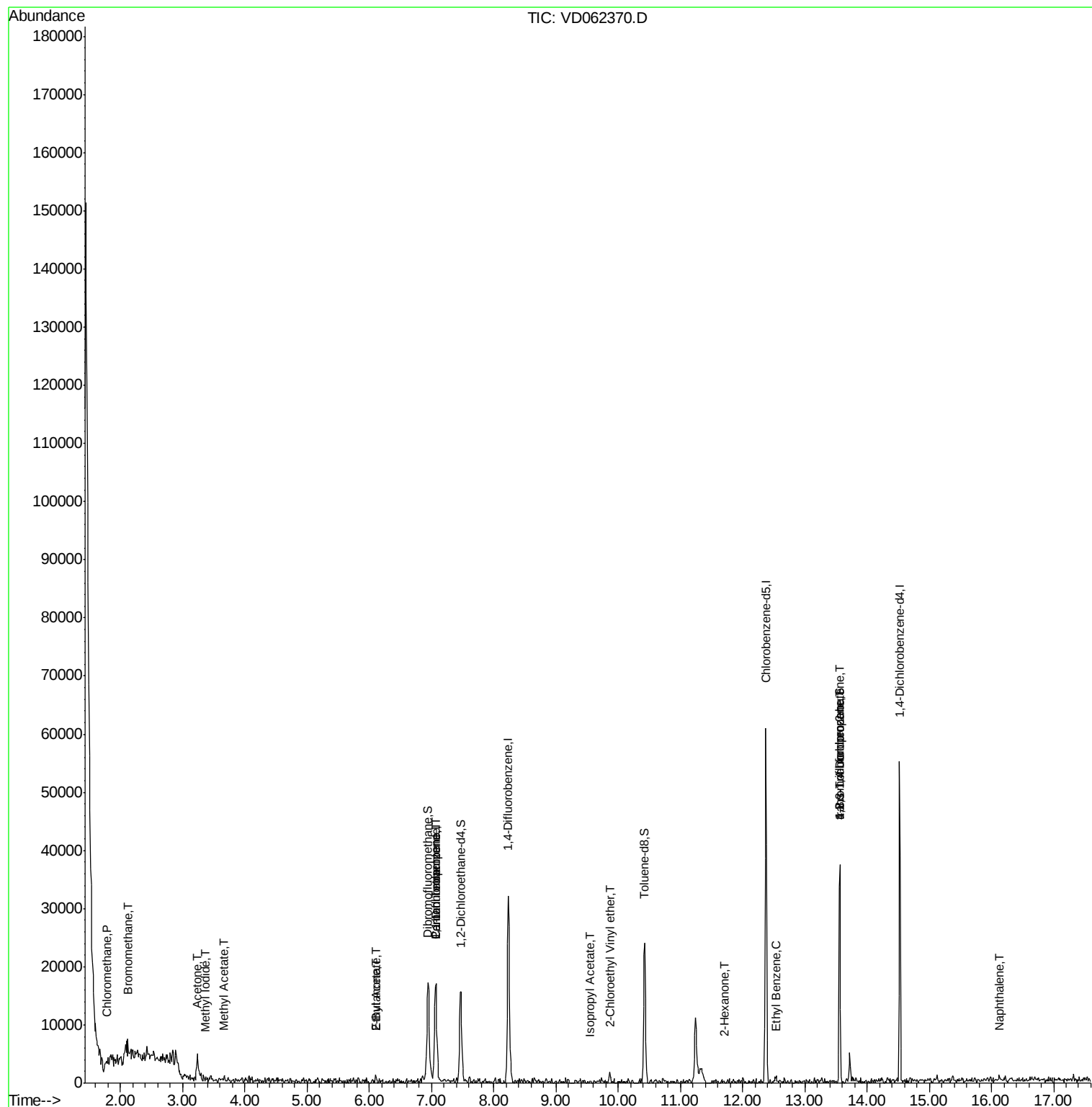
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.78	50	226	1.811	ug/l #	43
5) Bromomethane	2.12	94	1036	36.042	ug/l #	12
10) Methyl Iodide	3.36	142	626	2.296	ug/l #	37
16) Acetone	3.23	43	7738	219.827	ug/l #	50
18) Methyl Acetate	3.67	43	514	7.909	ug/l #	53
25) 2-Butanone	6.11	43	408	10.626	ug/l #	56
36) 1,1-Dichloropropene	7.07	75	867	2.859	ug/l #	40
37) Ethyl Acetate	6.11	43	408	3.173	ug/l #	64
38) Carbon Tetrachloride	7.06	117	1477	3.519	ug/l #	12
43) Isopropyl Acetate	9.54	43	186	1.020	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.88	63	510	5.700	ug/l #	46
59) 2-Hexanone	11.70	43	201	2.326	ug/l #	27
67) Ethyl Benzene	12.53	91	1026	1.056	ug/l #	44
76) 1,2,3-Trichloropropane	13.56	75	4860	33.495	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	5254	128.269	ug/l #	16
95) Naphthalene	16.12	128	872	2.784	ug/l #	70

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD062370.D

Acq: 15 May 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

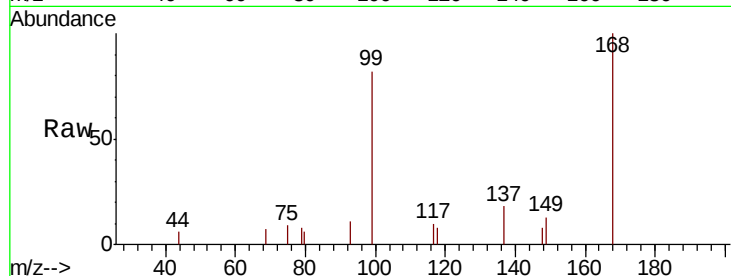
P026-SS017-0002-01RE

Tot Ion:168 Resp: 18062

Ion Ratio Lower Upper

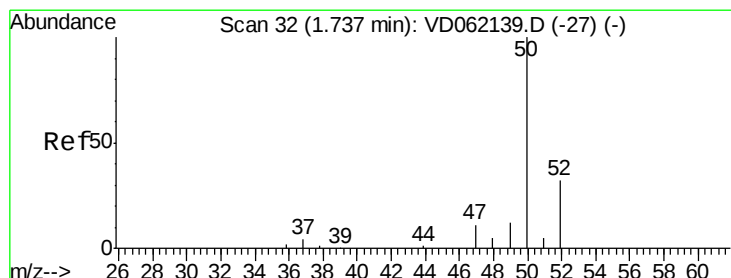
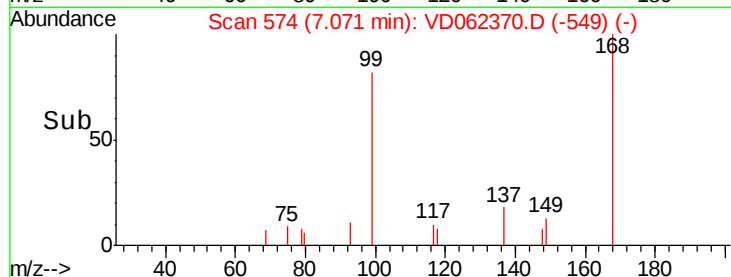
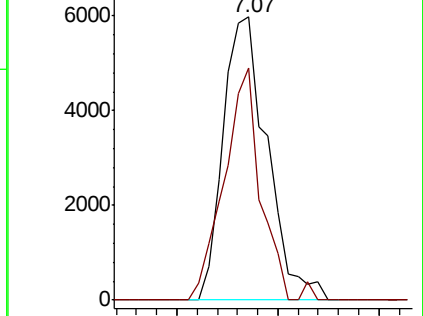
168 100

99 82.0 46.5 69.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 1.811 ug/l

RT: 1.78 min Scan# 36

Delta R.T. 0.04 min

Lab File: VD062370.D

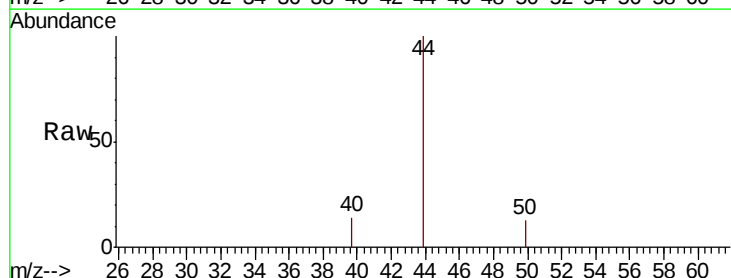
Acq: 15 May 2019 3:32

Tgt Ion: 50 Resp: 226

Ion Ratio Lower Upper

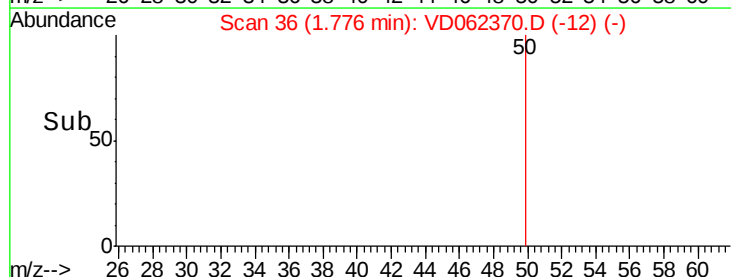
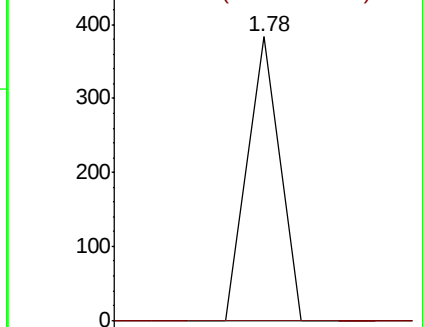
50 100

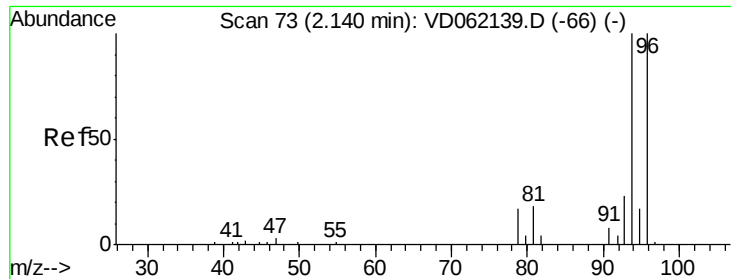
52 0.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 36.042 ug/l

RT: 2.12 min Scan# 71

Delta R.T. -0.02 min

Lab File: VD062370.D

Acq: 15 May 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

P026-SS017-0002-01RE

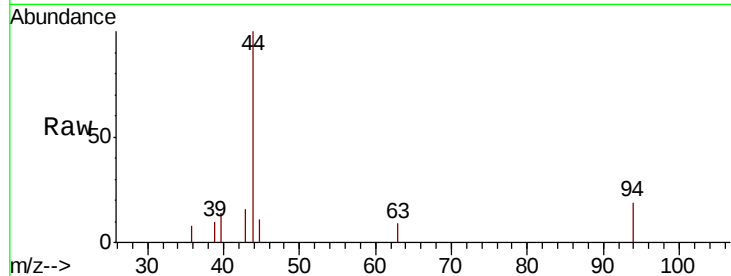
Tot Ion: 94 Resp: 1036

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

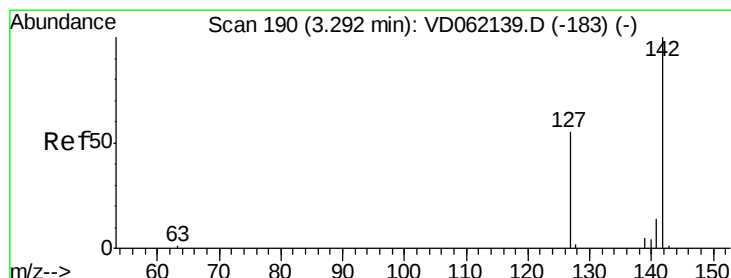
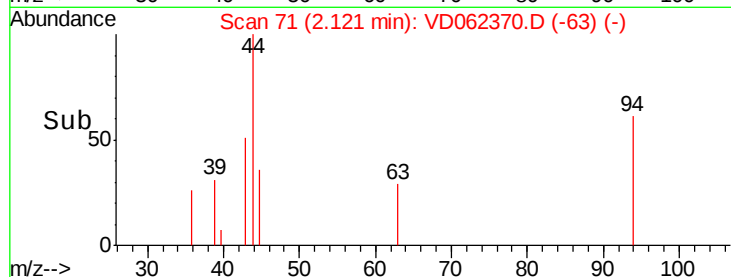
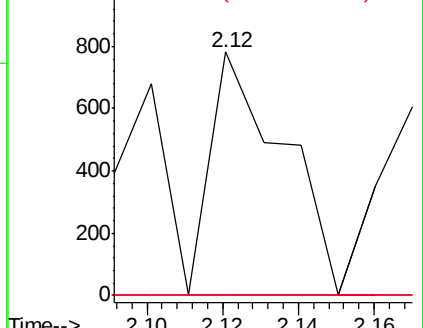
93 0.0 18.5 27.7#



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



#10

Methyl Iodide

Concen: 2.296 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.07 min

Lab File: VD062370.D

Acq: 15 May 2019 3:32

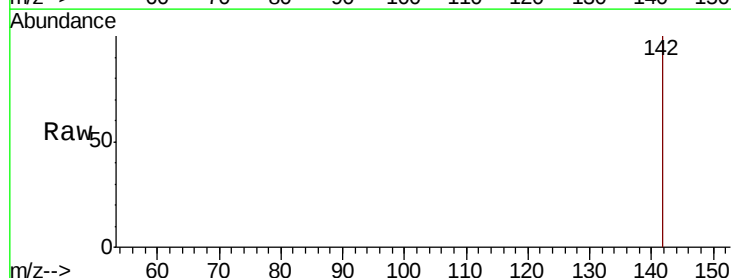
Tgt Ion: 142 Resp: 626

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

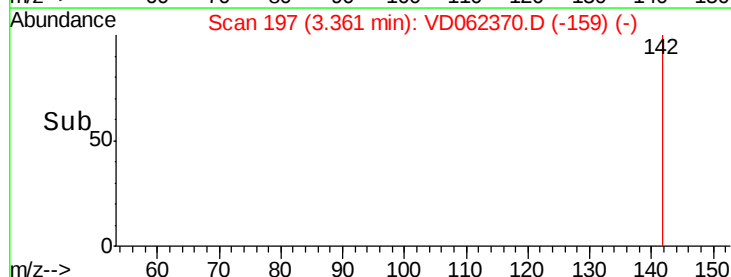
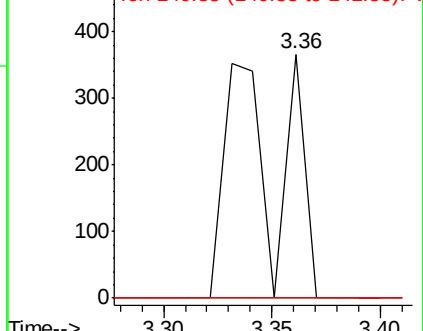
141 0.0 11.4 17.0#

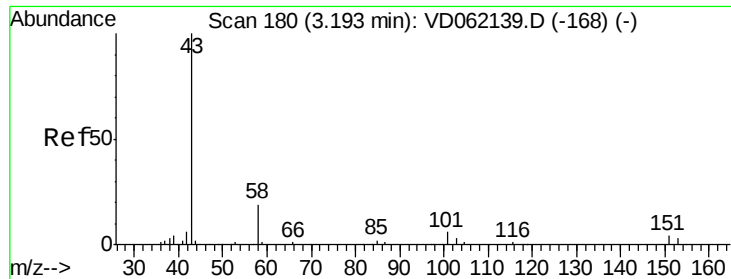


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#16

Acetone

Concen: 219.827 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062370.D

Acq: 15 May 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

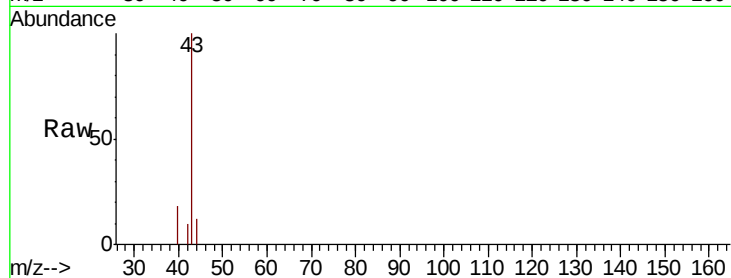
P026-SS017-0002-01RE

Tot Ion: 43 Resp: 7738

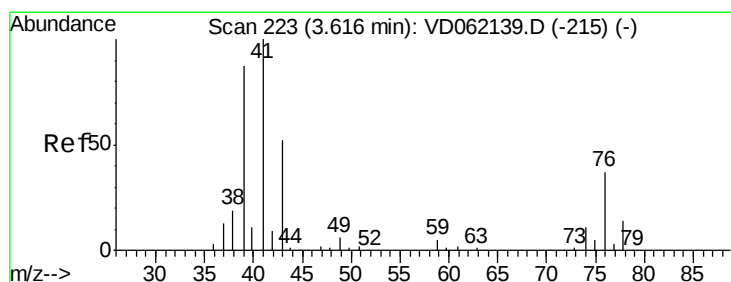
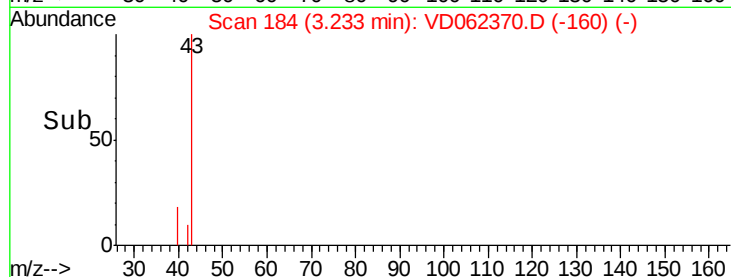
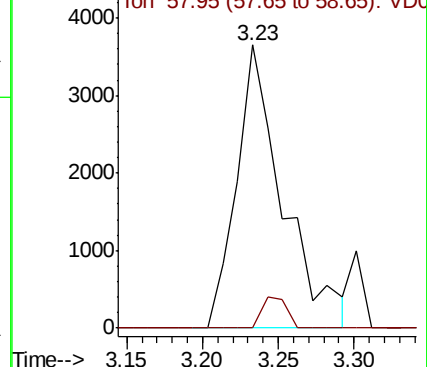
Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#18

Methyl Acetate

Concen: 7.909 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.05 min

Lab File: VD062370.D

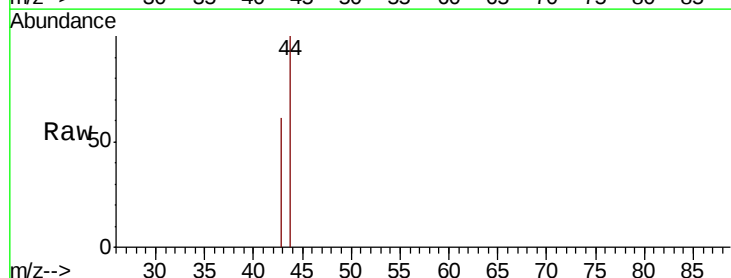
Acq: 15 May 2019 3:32

Tgt Ion: 43 Resp: 514

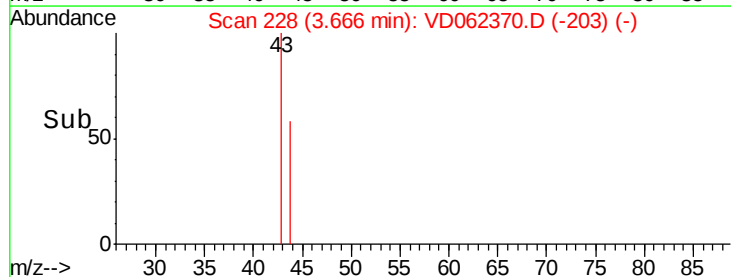
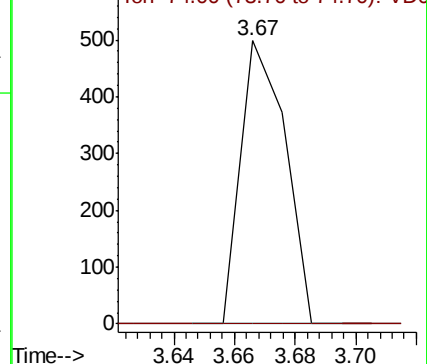
Ion Ratio Lower Upper

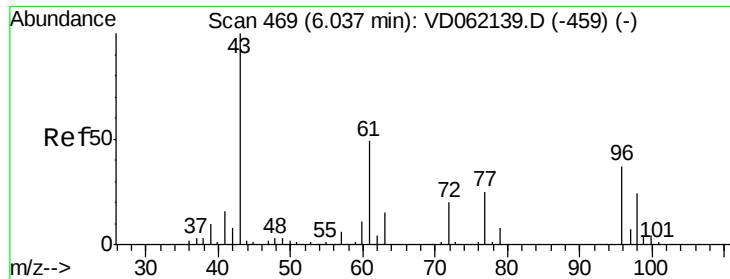
43 100

74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC





#25

2-Butanone

Concen: 10.626 ug/l

RT: 6.11 min Scan# 476

Delta R.T. 0.07 min

Lab File: VD062370.D

Acq: 15 May 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

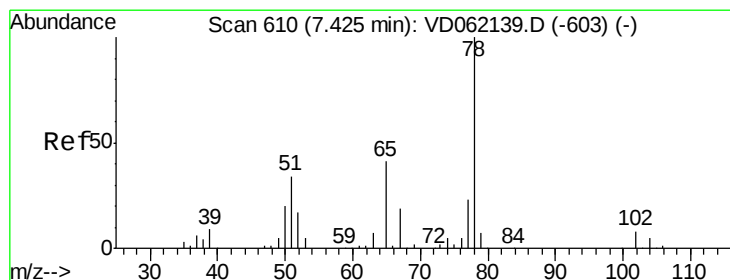
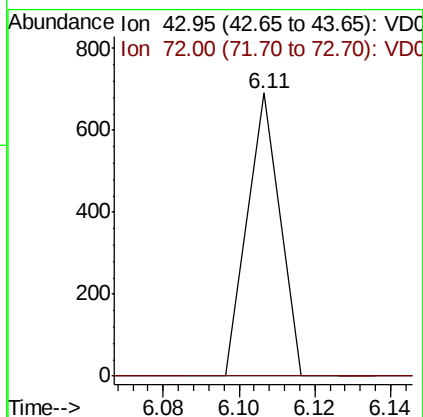
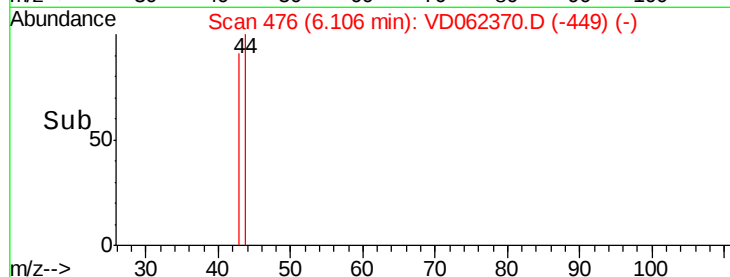
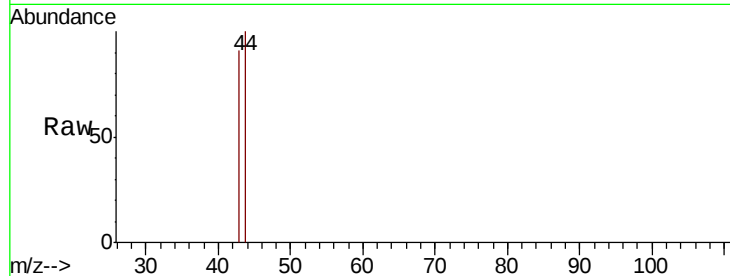
P026-SS017-0002-01RE

Tot Ion: 43 Resp: 408

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.4#



#33

1,2-Dichloroethane-d4

Concen: 121.690 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062370.D

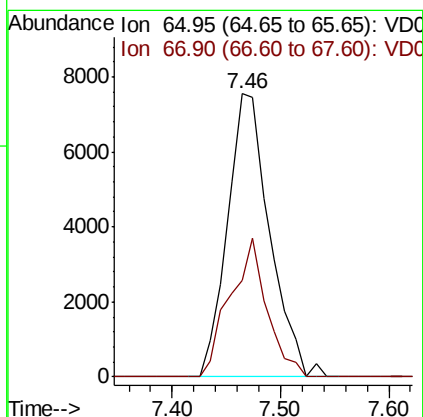
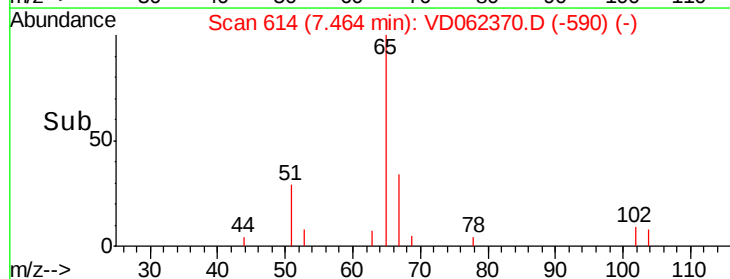
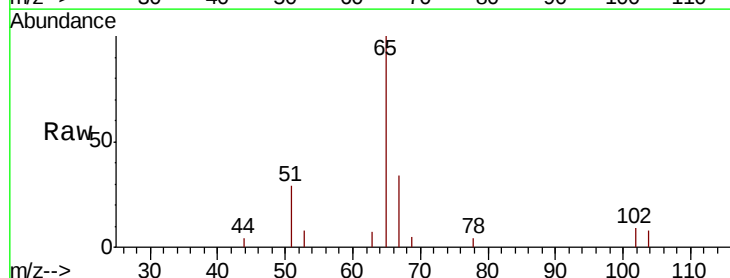
Acq: 15 May 2019 3:32

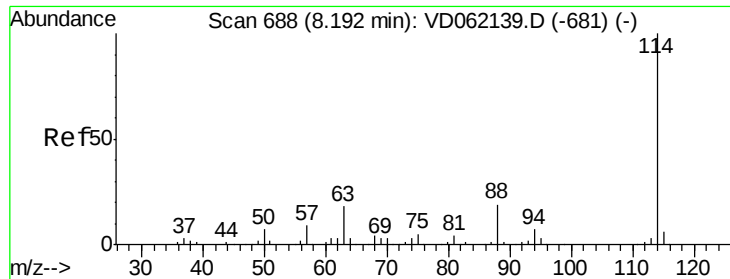
Tgt Ion: 65 Resp: 20426

Ion Ratio Lower Upper

65 100

67 34.1 0.0 98.0

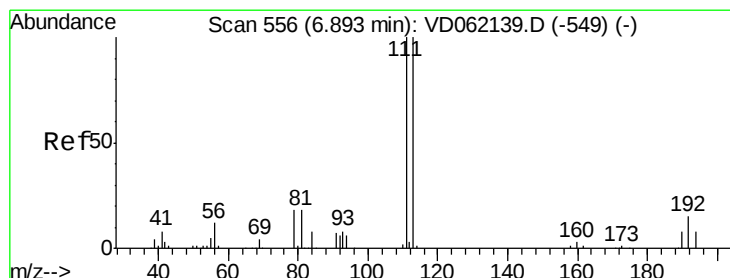
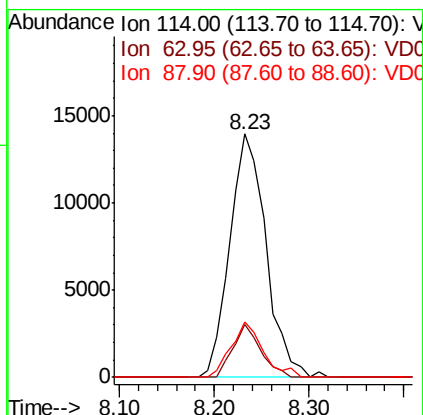
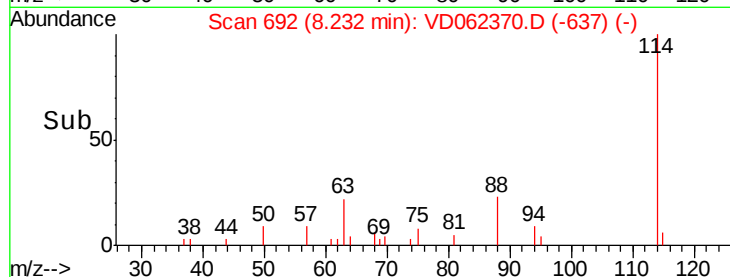
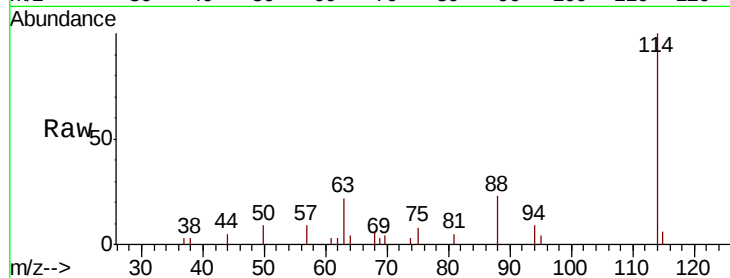




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062370.D
 Acq: 15 May 2019 3:32

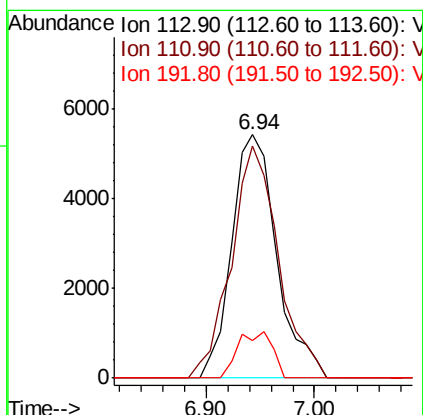
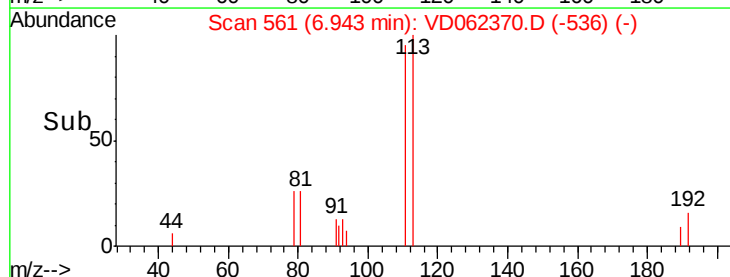
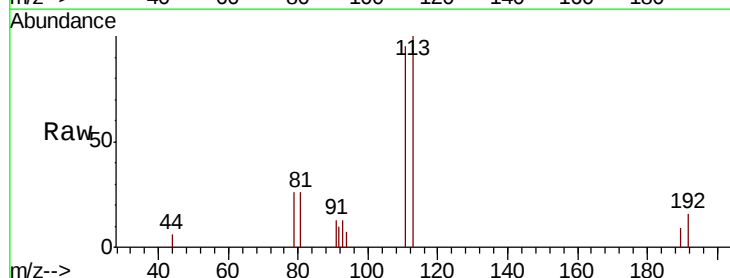
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS017-0002-01RE

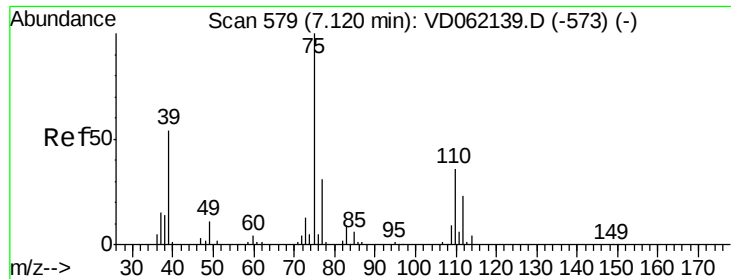
Tot Ion:114 Resp: 36984
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 32.4
 88 23.0 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 51.056 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062370.D
 Acq: 15 May 2019 3:32

Tgt Ion:113 Resp: 15667
 Ion Ratio Lower Upper
 113 100
 111 95.2 78.5 117.7
 192 15.6 13.0 19.4





#36

1,1-Dichloropropene

Concen: 2.859 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.05 min

Lab File: VD062370.D

Acq: 15 May 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

P026-SS017-0002-01RE

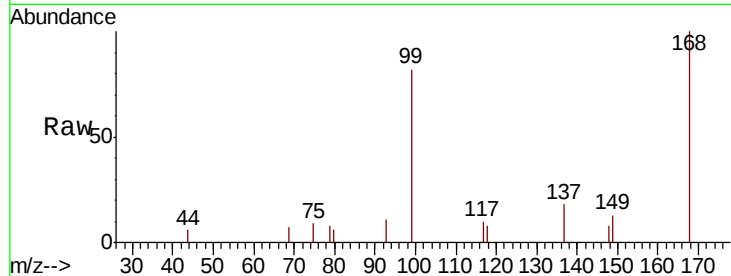
Tot Ion: 75 Resp: 867

Ion Ratio Lower Upper

75 100

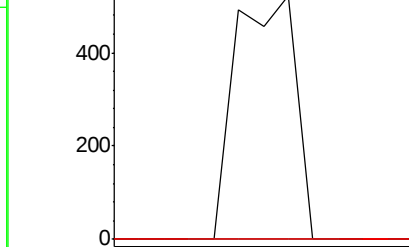
110 0.0 19.1 57.1#

77 0.0 25.6 38.4#

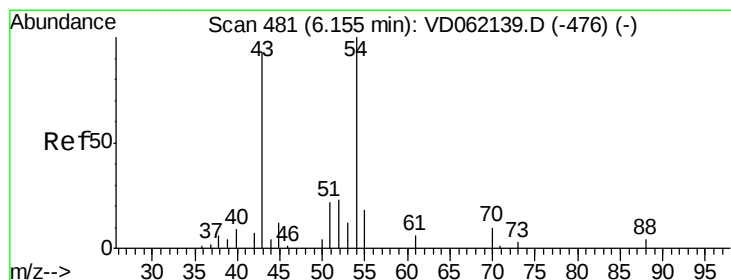
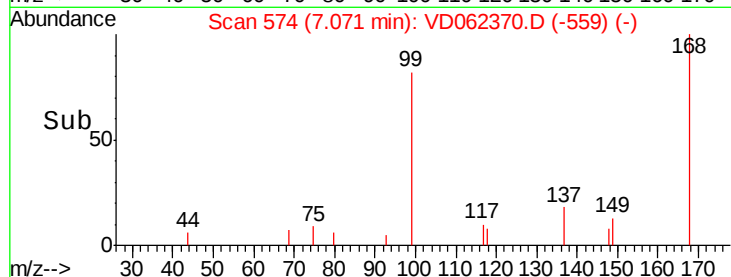


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC

7.07



Time-->



#37

Ethyl Acetate

Concen: 3.173 ug/l

RT: 6.11 min Scan# 476

Delta R.T. -0.05 min

Lab File: VD062370.D

Acq: 15 May 2019 3:32

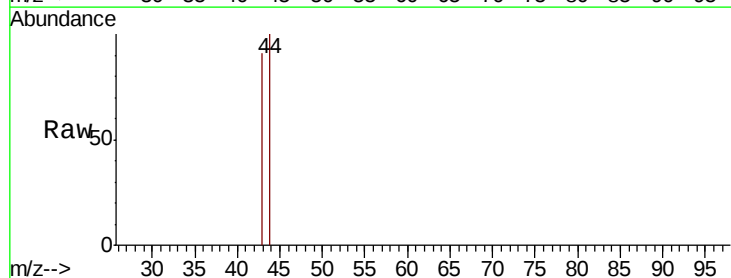
Tgt Ion: 43 Resp: 408

Ion Ratio Lower Upper

43 100

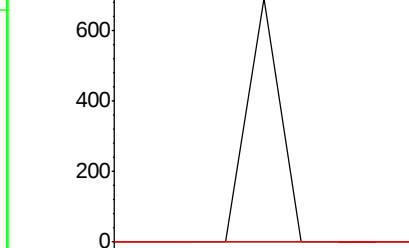
61 0.0 14.7 22.1#

70 0.0 7.8 11.6#

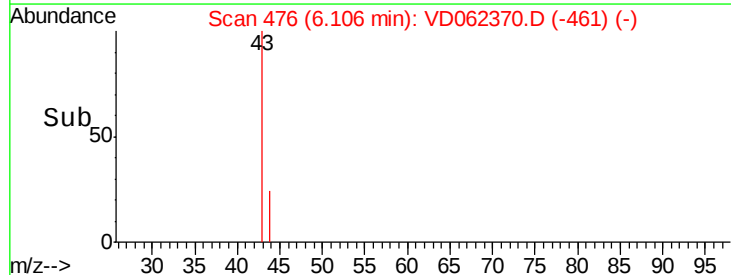


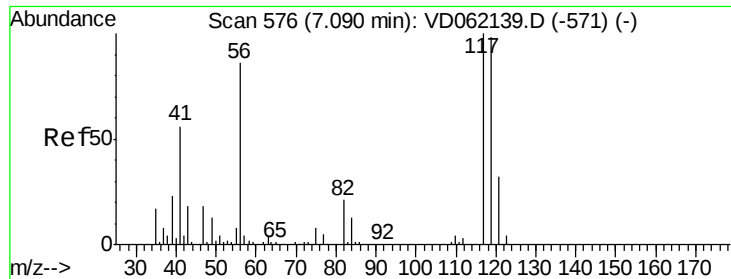
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

6.11



Time-->

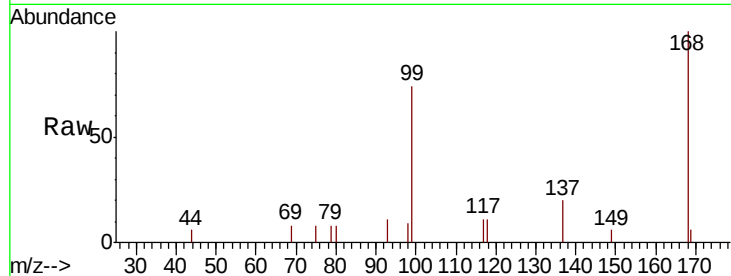




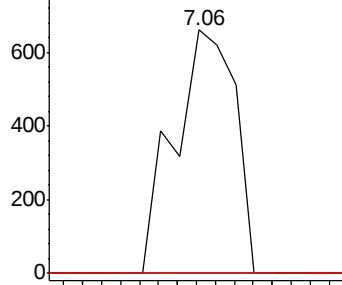
#38
Carbon Tetrachloride
Concen: 3.519 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD062370.D
Acq: 15 May 2019 3:32

Instrument :
MSVOA_D
ClientSampleId :
P026-SS017-0002-01RE

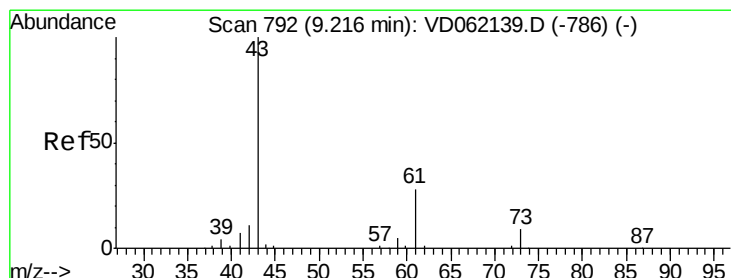
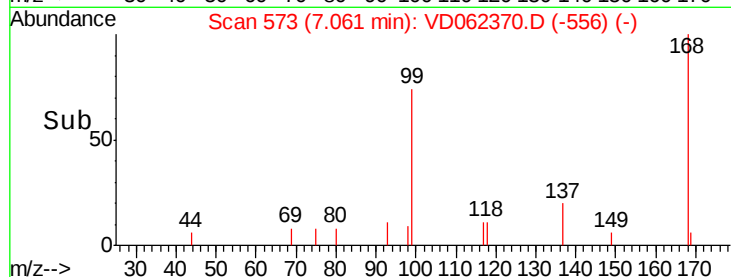
Tot Ion:117 Resp: 1477
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#



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

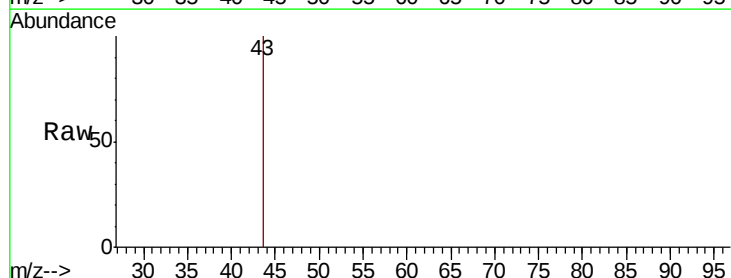


Time-->

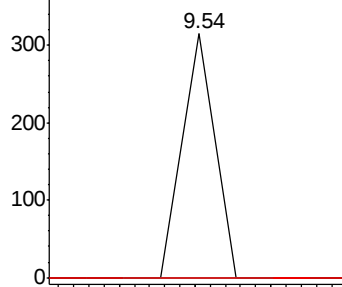


#43
Isopropyl Acetate
Concen: 1.020 ug/l
RT: 9.54 min Scan# 825
Delta R.T. 0.33 min
Lab File: VD062370.D
Acq: 15 May 2019 3:32

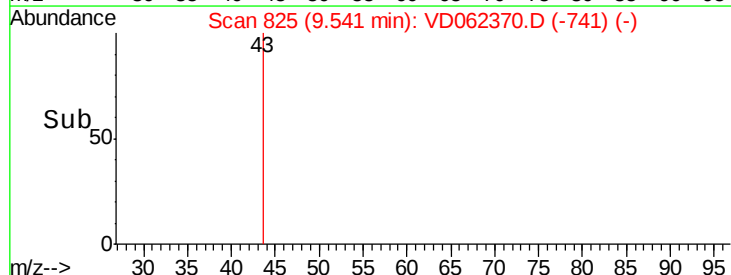
Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
61 0.0 25.1 37.7#
87 0.0 0.0 0.0

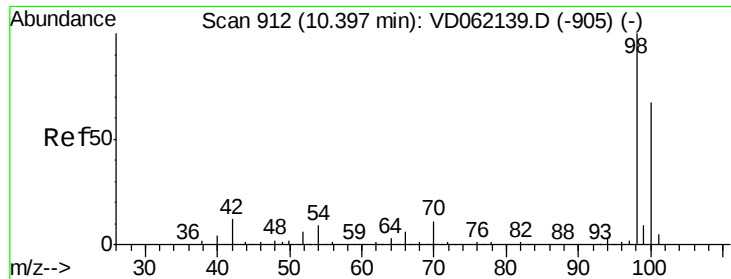


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



Time-->

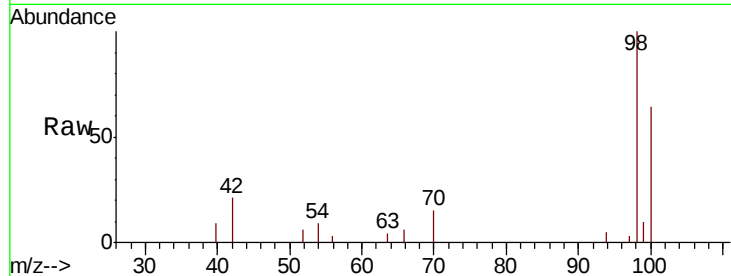




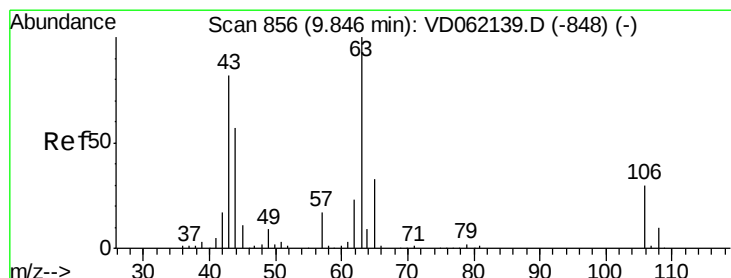
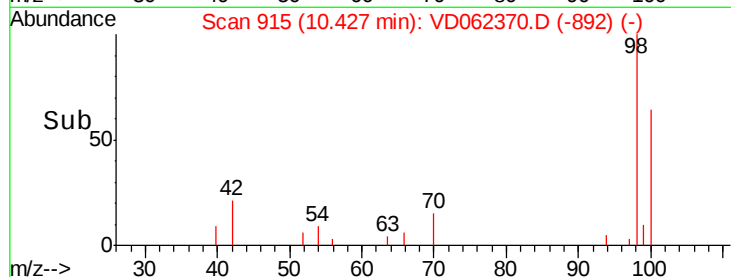
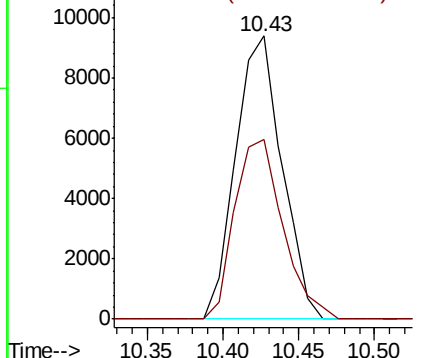
#50
Toluene-d8
Concen: 27.117 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062370.D
Acq: 15 May 2019 3:32

Instrument :
MSVOA_D
ClientSampleId :
P026-SS017-0002-01RE

Tot Ion: 98 Resp: 20063
Ion Ratio Lower Upper
98 100
100 63.6 53.8 80.8

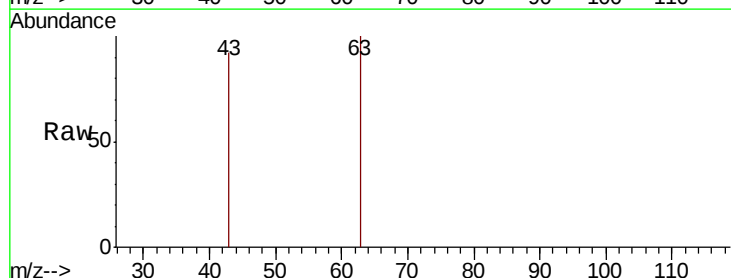


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

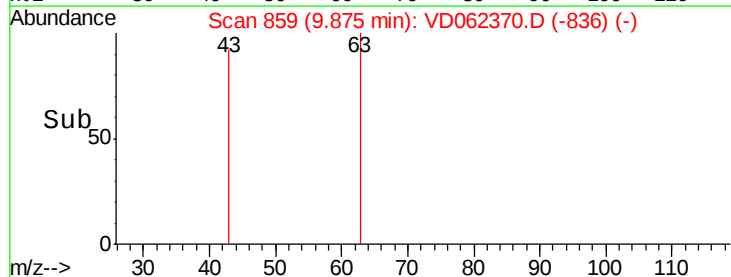
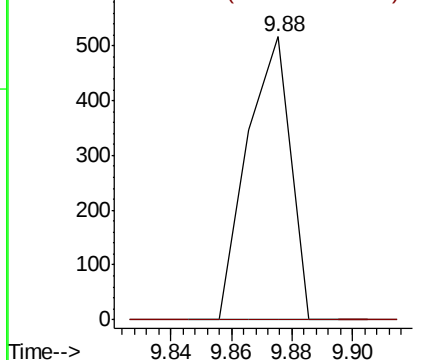


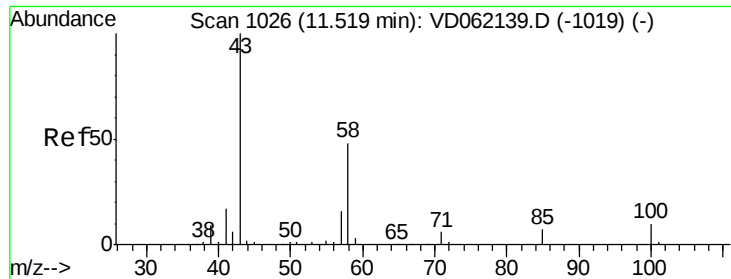
#58
2-Chloroethyl Vinyl ether
Concen: 5.700 ug/l
RT: 9.88 min Scan# 859
Delta R.T. 0.03 min
Lab File: VD062370.D
Acq: 15 May 2019 3:32

Tgt Ion: 63 Resp: 510
Ion Ratio Lower Upper
63 100
106 0.0 22.6 34.0#



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

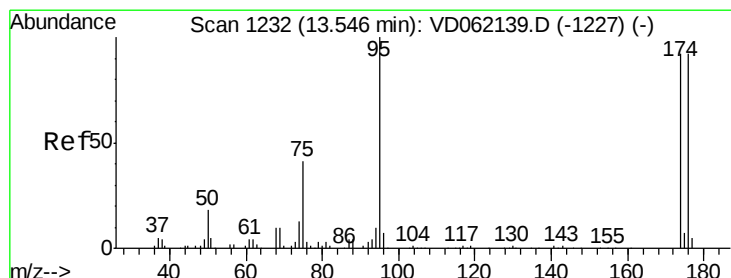
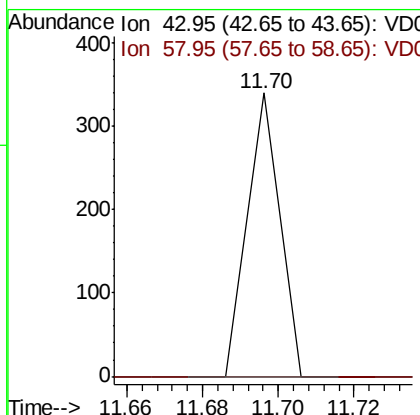
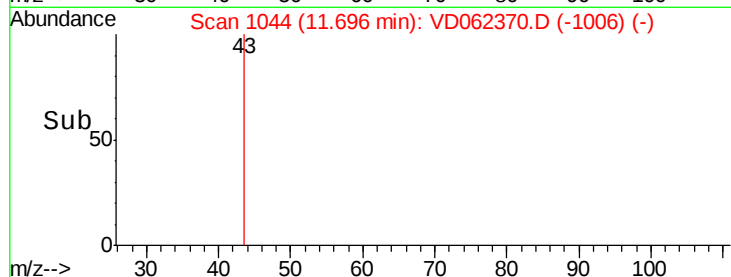
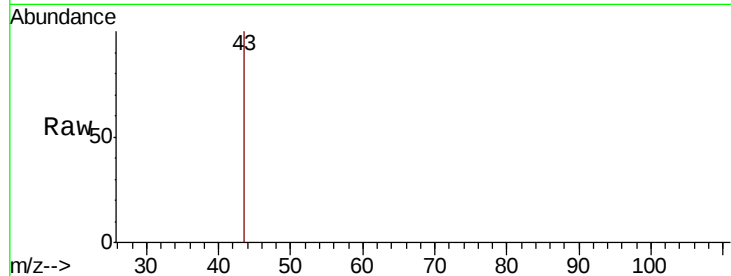




#59
2-Hexanone
Concen: 2.326 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.18 min
Lab File: VD062370.D
Acq: 15 May 2019 3:32

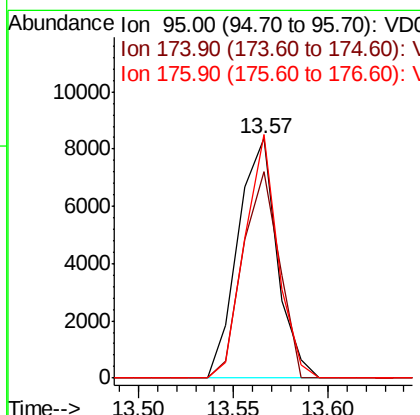
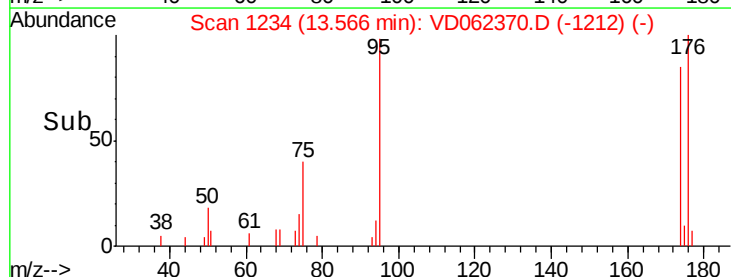
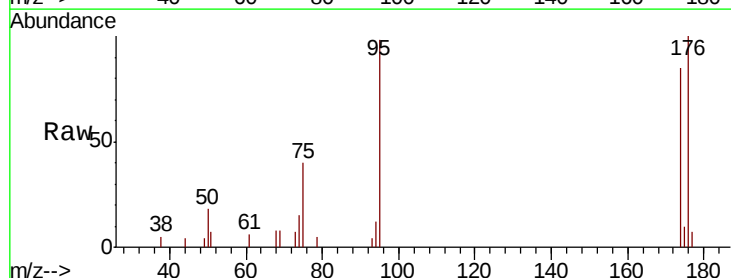
Instrument :
MSVOA_D
ClientSampleId :
P026-SS017-0002-01RE

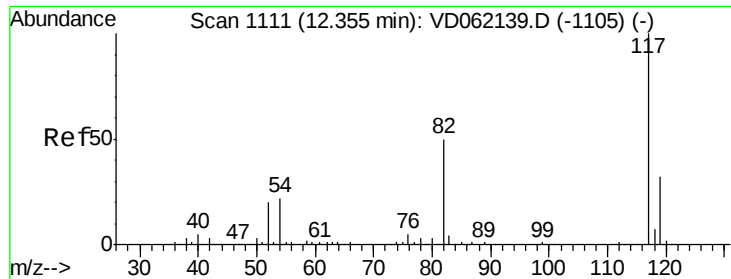
Tot Ion: 43 Resp: 201
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 40.286 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD062370.D
Acq: 15 May 2019 3:32

Tgt Ion: 95 Resp: 11969
Ion Ratio Lower Upper
95 100
174 86.1 0.0 181.8
176 101.7 0.0 174.4

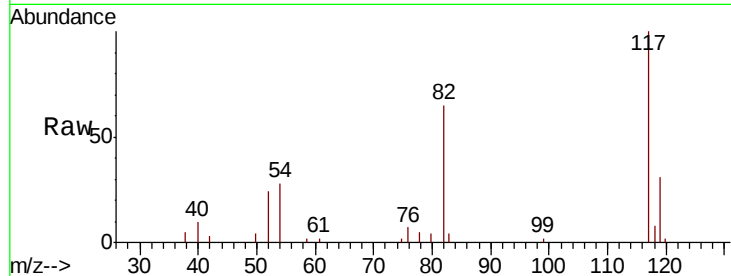




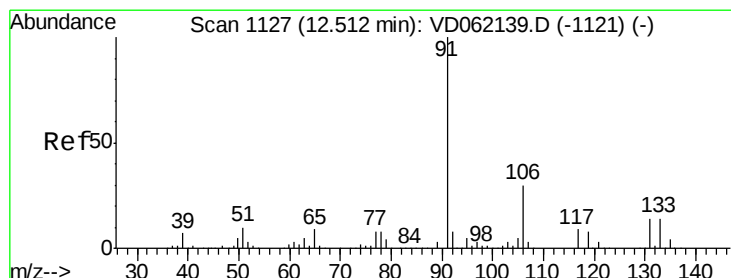
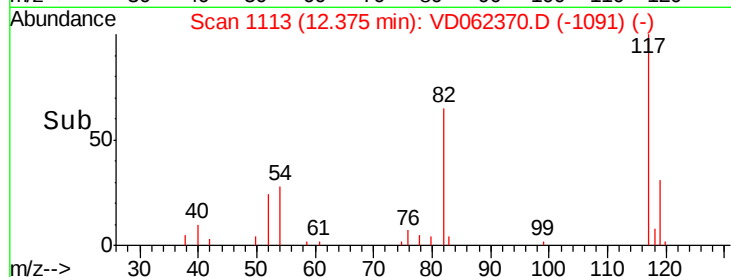
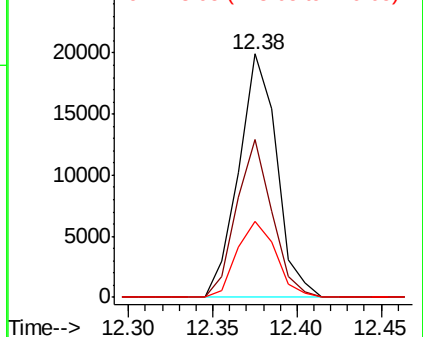
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062370.D
Acq: 15 May 2019 3:32

Instrument :
MSVOA_D
ClientSampleId :
P026-SS017-0002-01RE

Tot Ion:117 Resp: 31163
Ion Ratio Lower Upper
117 100
82 64.6 36.2 54.2#
119 31.2 26.2 39.4

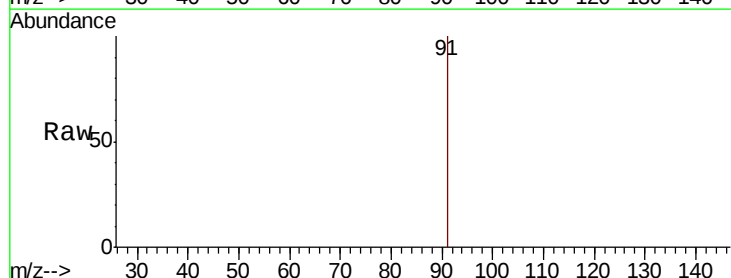


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

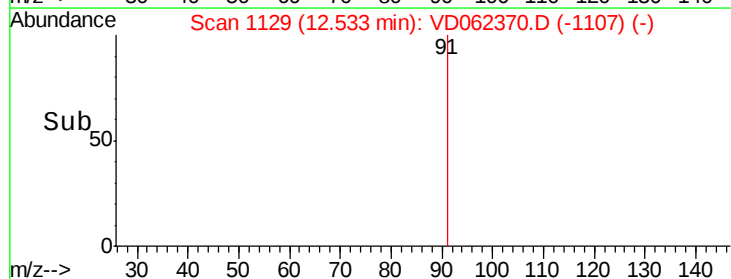
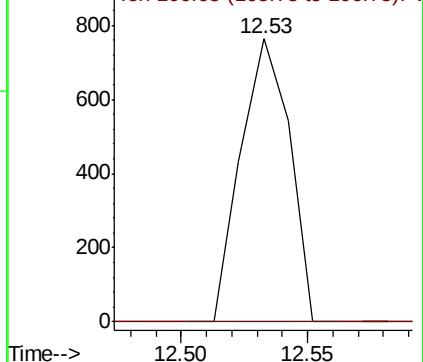


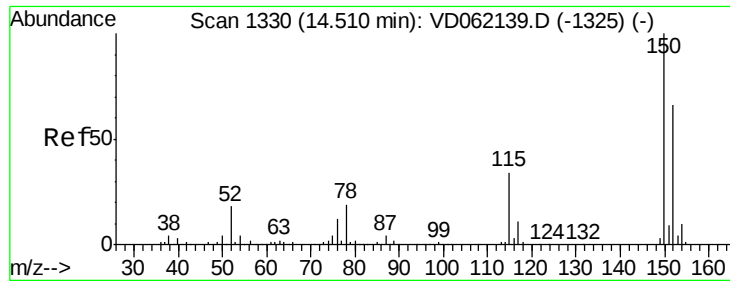
#67
Ethyl Benzene
Concen: 1.056 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062370.D
Acq: 15 May 2019 3:32

Tgt Ion: 91 Resp: 1026
Ion Ratio Lower Upper
91 100
106 0.0 24.7 37.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062370.D

Acq: 15 May 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

P026-SS017-0002-01RE

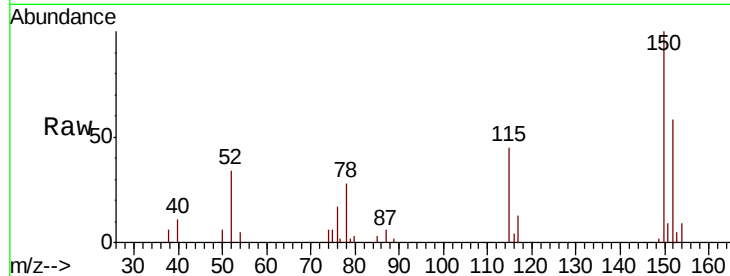
Tot Ion:152 Resp: 12209

Ion Ratio Lower Upper

152 100

115 78.0 30.9 92.7

150 171.8 0.0 314.8

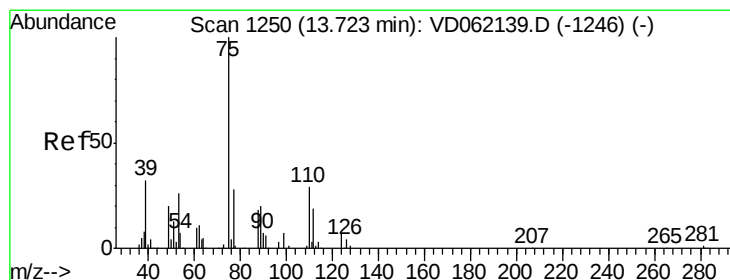
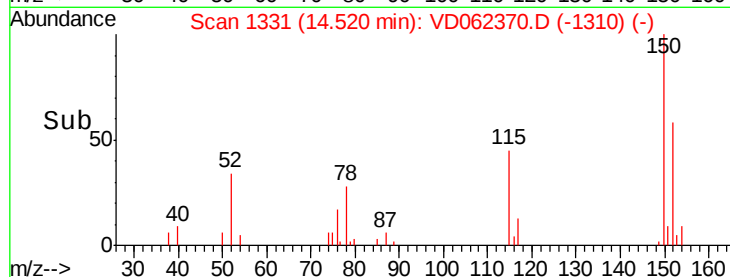
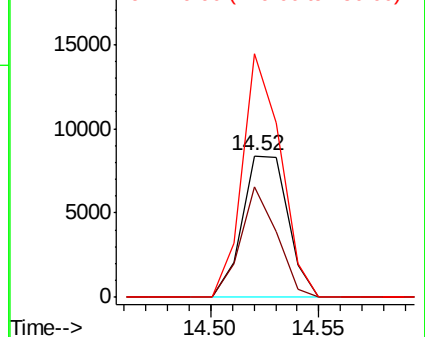


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 33.495 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062370.D

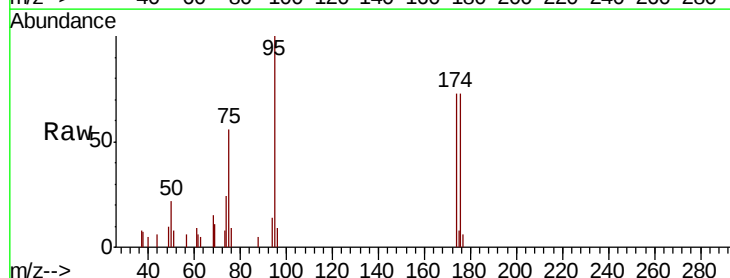
Acq: 15 May 2019 3:32

Tgt Ion: 75 Resp: 4860

Ion Ratio Lower Upper

75 100

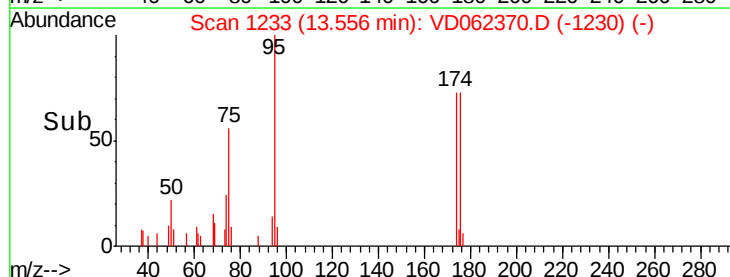
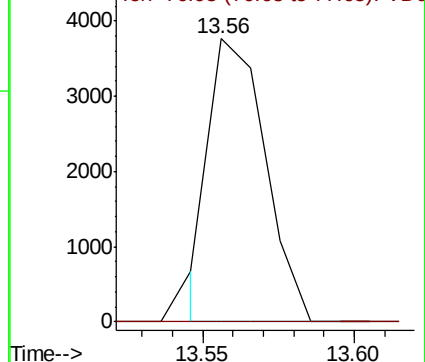
77 0.0 16.4 49.4#

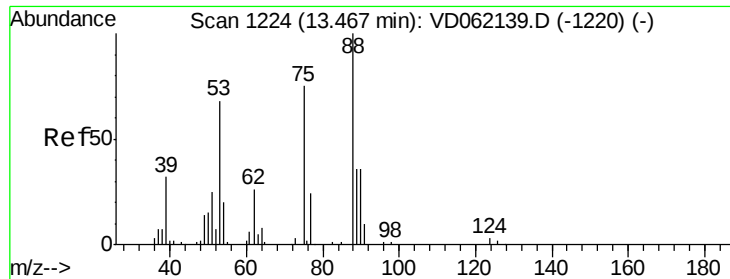


Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V

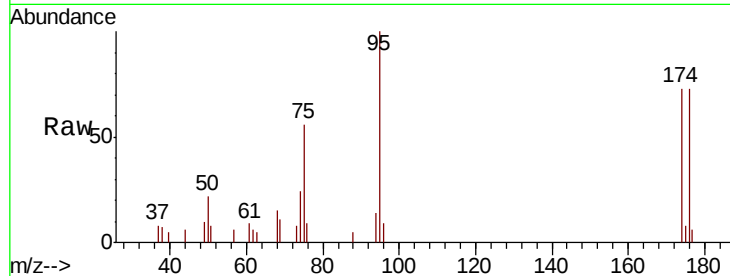




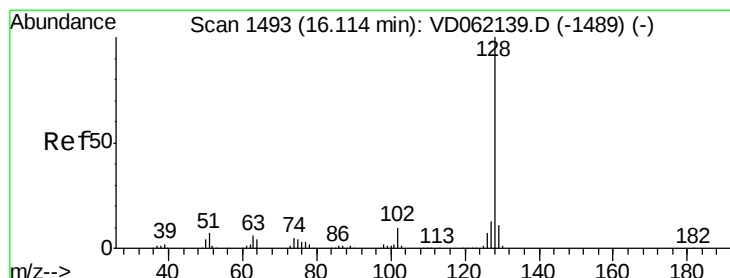
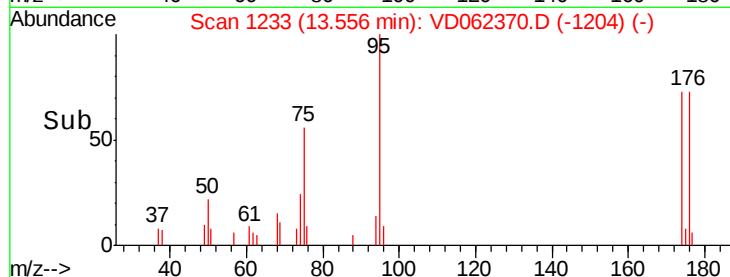
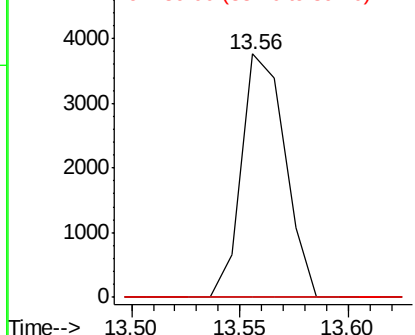
#81
trans-1,4-Dichloro-2-butene
Concen: 128.269 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.09 min
Lab File: VD062370.D
Acq: 15 May 2019 3:32

Instrument :
MSVOA_D
ClientSampleId :
P026-SS017-0002-01RE

Tot Ion: 75 Resp: 5254
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#

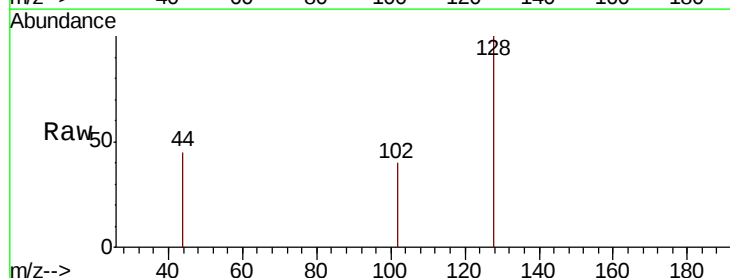


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#95
Naphthalene
Concen: 2.784 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062370.D
Acq: 15 May 2019 3:32

Tgt Ion: 128 Resp: 872
Ion Ratio Lower Upper
128 100
127 0.0 9.8 14.8#
129 0.0 8.8 13.2#



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

