

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062365.D
 Acq On : 15 May 2019 1:14
 Operator : FY/SY
 Sample : K2756-11RE
 Misc : 6.09g/5mL/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS007-0002-01RE

Quant Time: May 15 03:31:16 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	46517	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	84001	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	75362	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	37373	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	50635	117.13	ug/l	0.04
Spiked Amount			Recovery	=	234.26%	
35) Dibromofluoromethane	6.94	113	39602	56.82	ug/l	0.04
Spiked Amount			Recovery	=	113.64%	
50) Toluene-d8	10.42	98	56029	33.34	ug/l	0.02
Spiked Amount			Recovery	=	66.68%	
62) 4-Bromofluorobenzene	13.56	95	29822	44.19	ug/l	0.01
Spiked Amount			Recovery	=	88.38%	

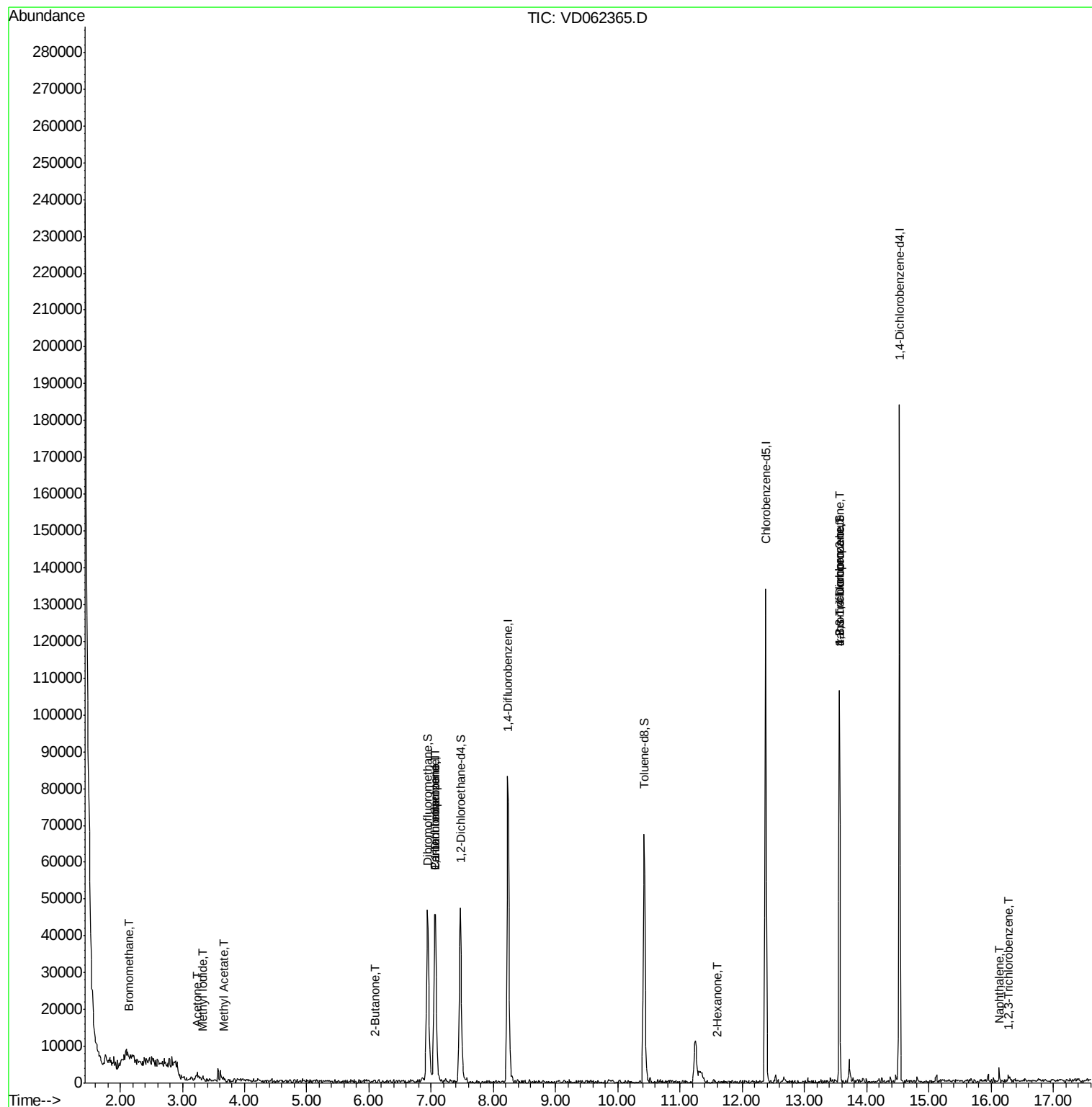
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	449	6.065	ug/l #	12
10) Methyl Iodide	3.33	142	1545	2.200	ug/l #	72
16) Acetone	3.24	43	4701	51.856	ug/l #	50
18) Methyl Acetate	3.66	43	582	3.306	ug/l #	53
25) 2-Butanone	6.09	43	213	2.154	ug/l #	56
36) 1,1-Dichloropropene	7.07	75	3200	4.646	ug/l #	40
38) Carbon Tetrachloride	7.07	117	4798	5.033	ug/l #	12
59) 2-Hexanone	11.59	43	227	1.157	ug/l #	27
76) 1,2,3-Trichloropropane	13.56	75	12705	28.605	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	12948	103.266	ug/l #	16
95) Naphthalene	16.13	128	2245	2.342	ug/l #	79
96) 1,2,3-Trichlorobenzene	16.28	180	1001	2.318	ug/l #	73

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

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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# 573

Delta R.T. 0.04 min

Lab File: VD062365.D

Acq: 15 May 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

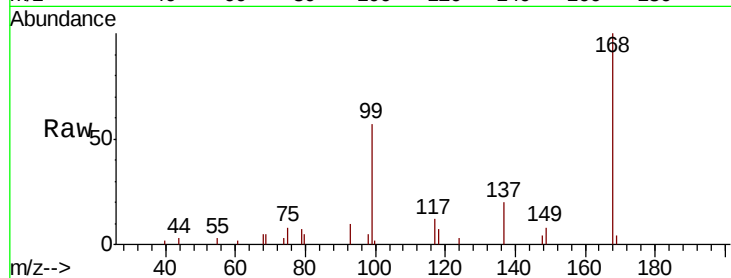
P021-SS007-0002-01RE

Tot Ion:168 Resp: 46517

Ion Ratio Lower Upper

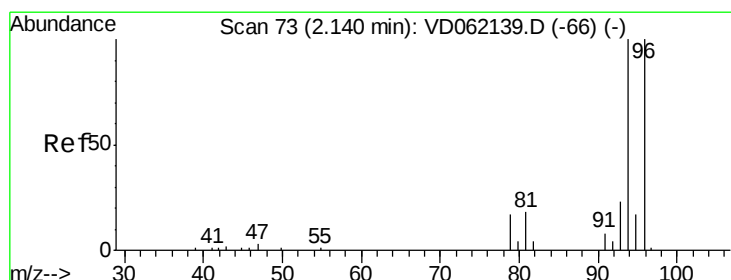
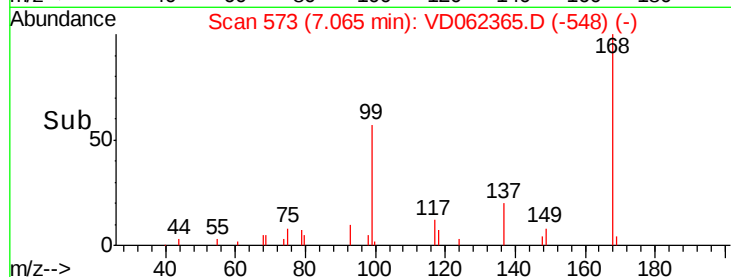
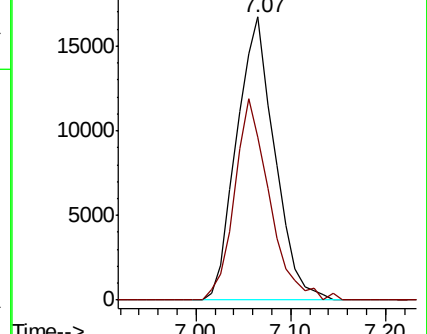
168 100

99 57.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 6.065 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD062365.D

Acq: 15 May 2019 1:14

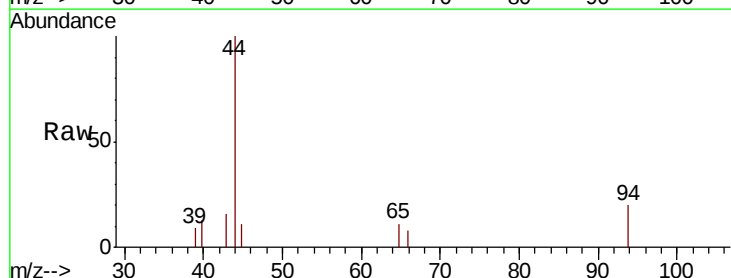
Tgt Ion: 94 Resp: 449

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

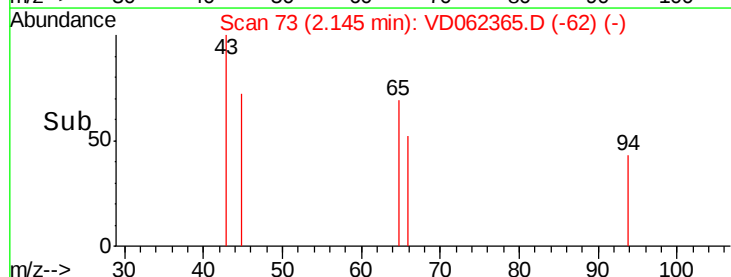
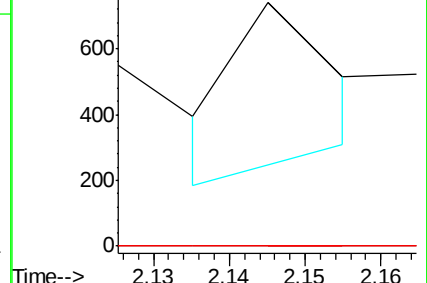
93 0.0 18.5 27.7#

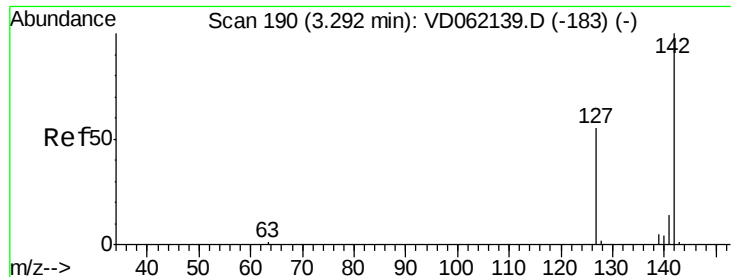


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

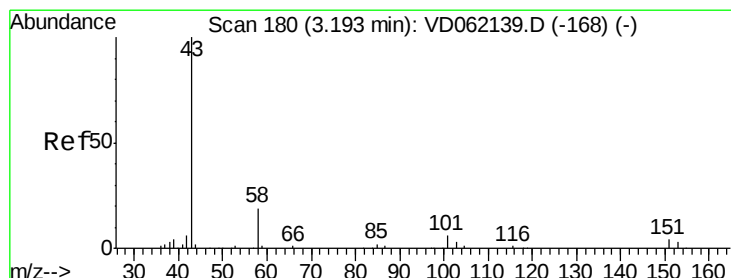
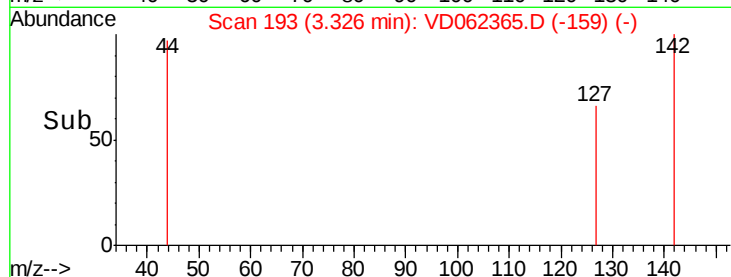
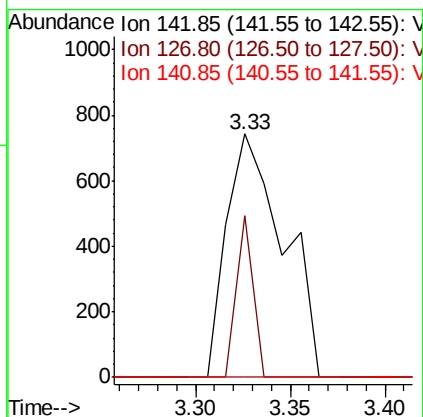
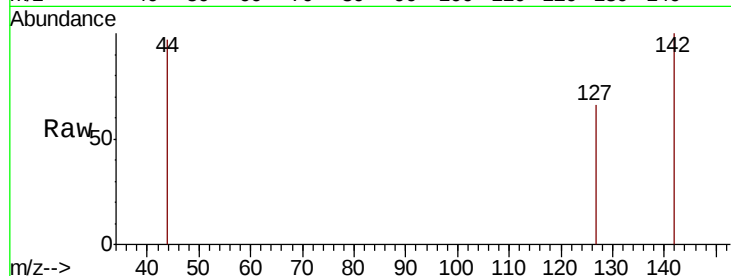




#10
Methvl Iodide
Concen: 2.200 ug/l
RT: 3.33 min Scan# 193
Delta R.T. 0.03 min
Lab File: VD062365.D
Acq: 15 May 2019 1:14

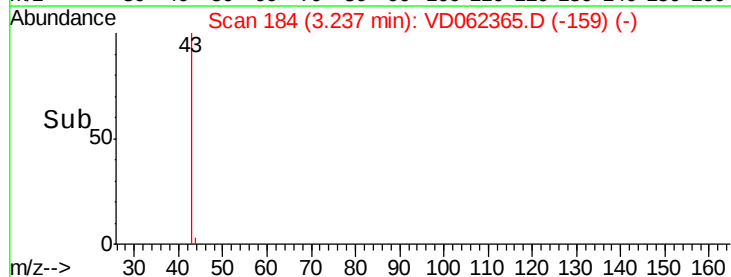
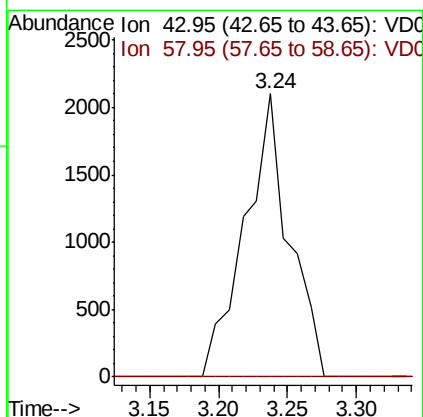
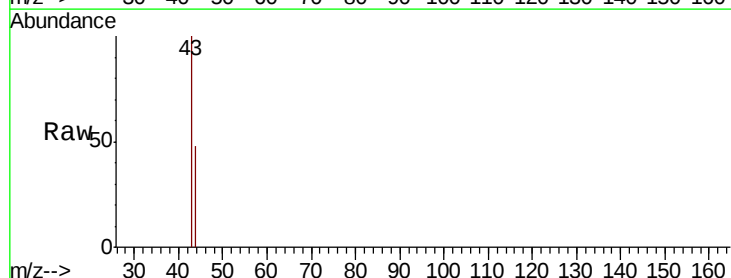
Instrument :
MSVOA_D
ClientSampleId :
P021-SS007-0002-01RE

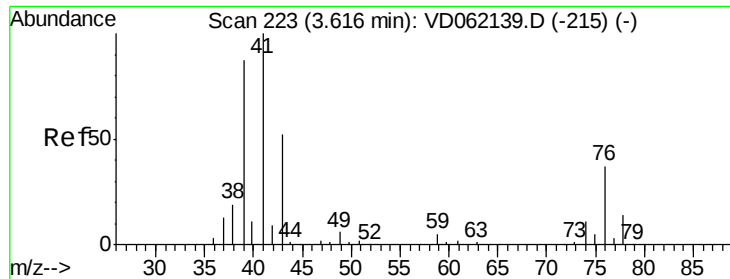
Tot Ion:142 Resp: 1545
Ion Ratio Lower Upper
142 100
127 66.4 38.8 58.2#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 51.856 ug/l
RT: 3.24 min Scan# 184
Delta R.T. 0.04 min
Lab File: VD062365.D
Acq: 15 May 2019 1:14

Tgt Ion: 43 Resp: 4701
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#

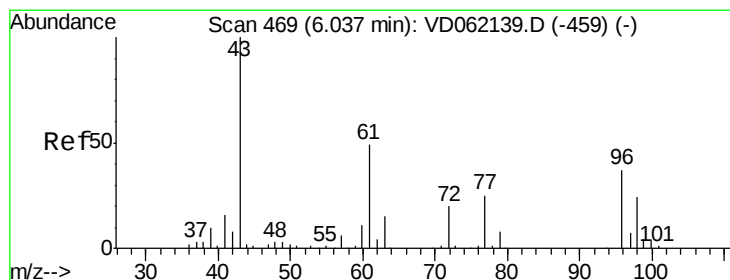
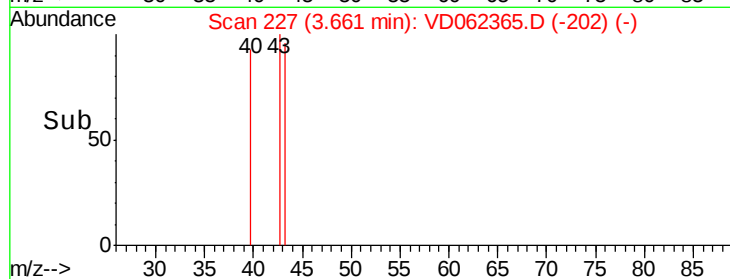
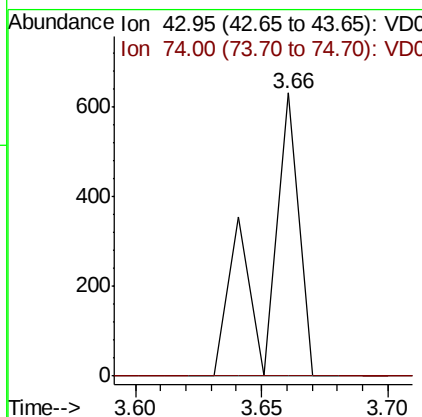
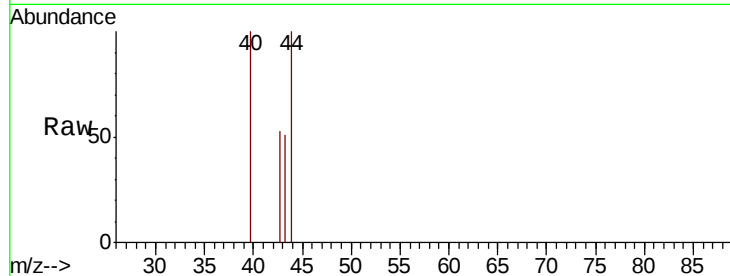




#18
Methvl Acetate
Concen: 3.306 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.04 min
Lab File: VD062365.D
Acq: 15 May 2019 1:14

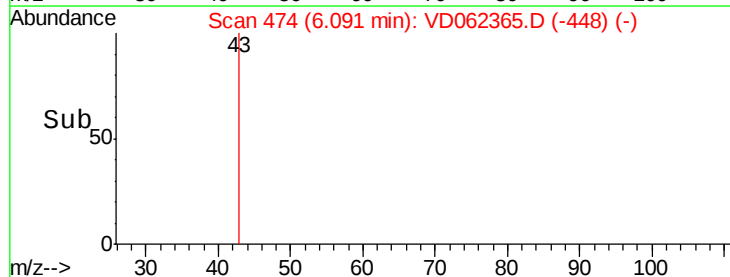
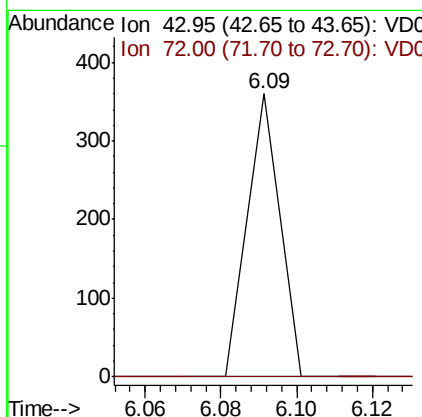
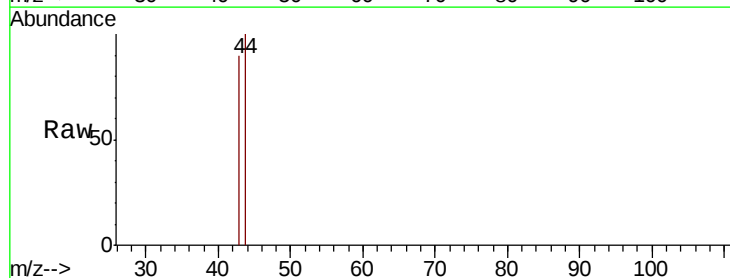
Instrument :
MSVOA_D
ClientSampleId :
P021-SS007-0002-01RE

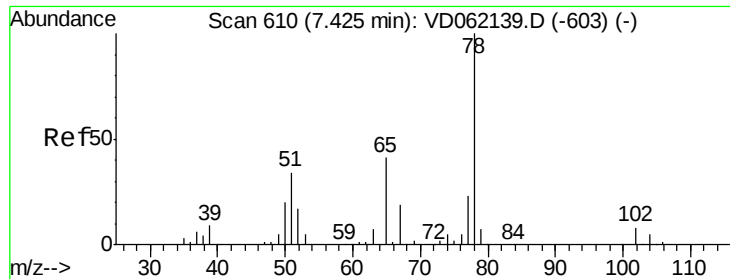
Tot Ion: 43 Resp: 582
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#25
2-Butanone
Concen: 2.154 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.05 min
Lab File: VD062365.D
Acq: 15 May 2019 1:14

Tgt Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#





#33

1,2-Dichloroethane-d4

Concen: 117.132 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062365.D

Acq: 15 May 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

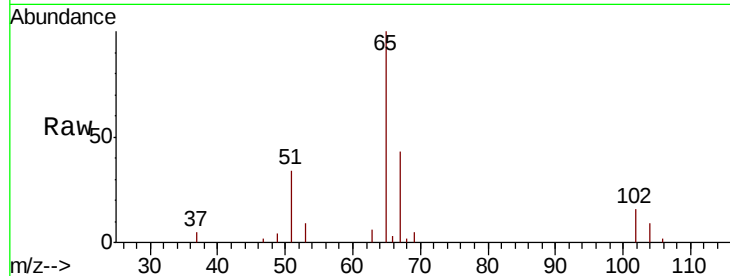
P021-SS007-0002-01RE

Tot Ion: 65 Resp: 50635

Ion Ratio Lower Upper

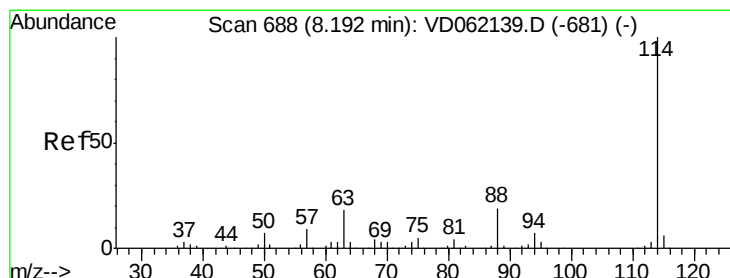
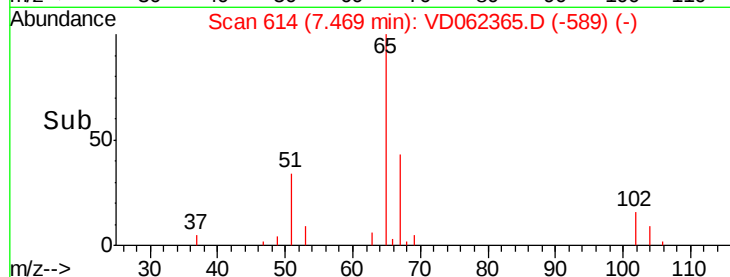
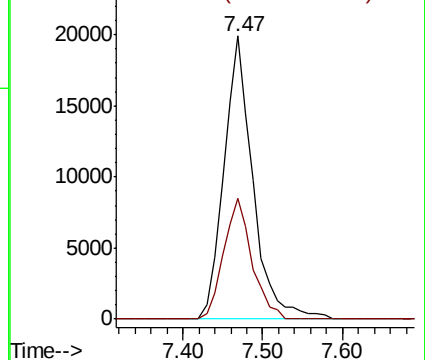
65 100

67 42.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062365.D

Acq: 15 May 2019 1:14

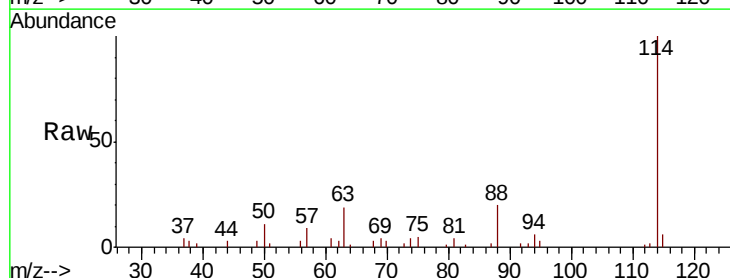
Tgt Ion: 114 Resp: 84001

Ion Ratio Lower Upper

114 100

63 19.2 0.0 32.4

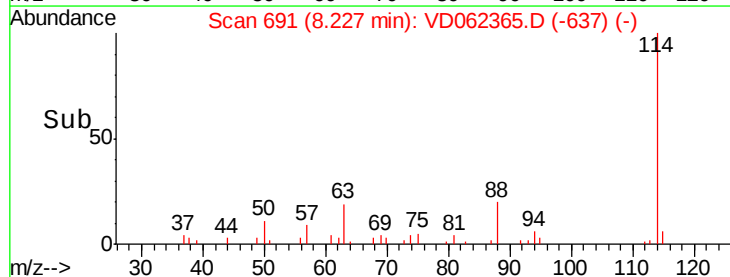
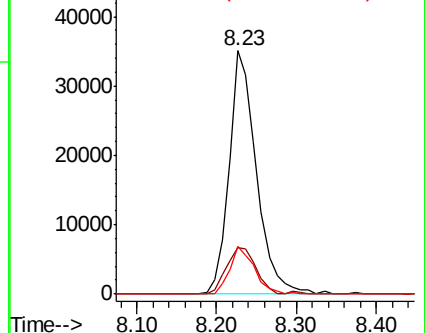
88 19.7 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 56.821 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062365.D

Acq: 15 May 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

P021-SS007-0002-01RE

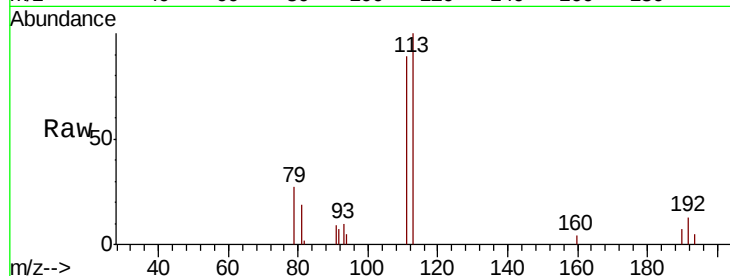
Tot Ion:113 Resp: 39602

Ion Ratio Lower Upper

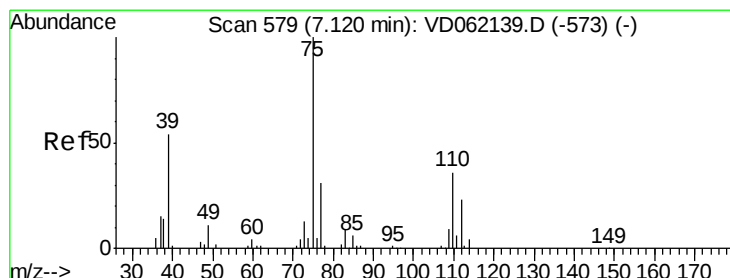
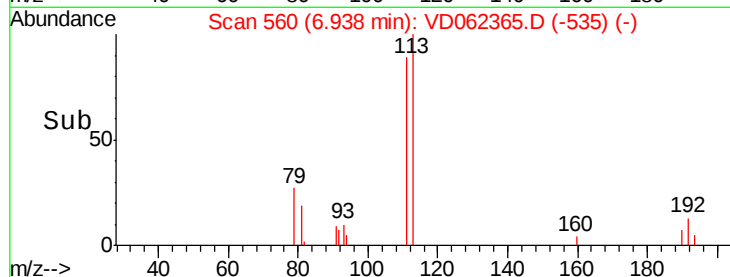
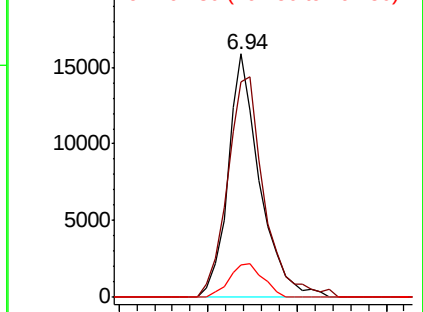
113 100

111 88.6 78.5 117.7

192 13.3 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: 4.646 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD062365.D

Acq: 15 May 2019 1:14

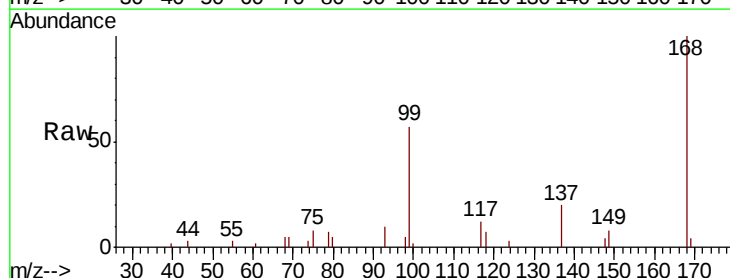
Tgt Ion: 75 Resp: 3200

Ion Ratio Lower Upper

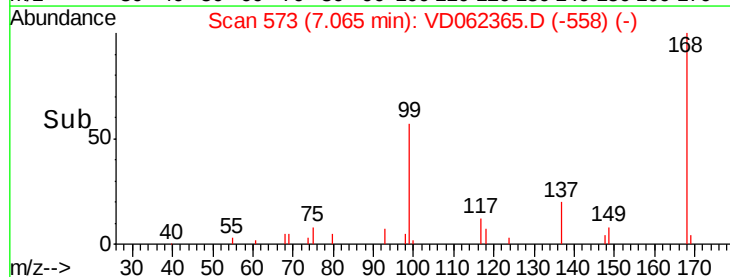
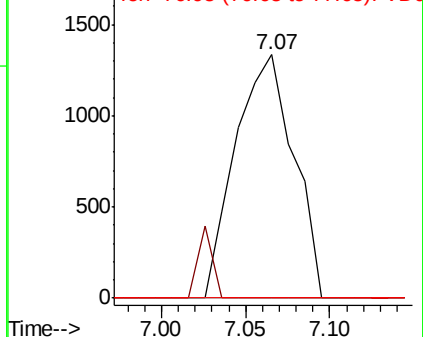
75 100

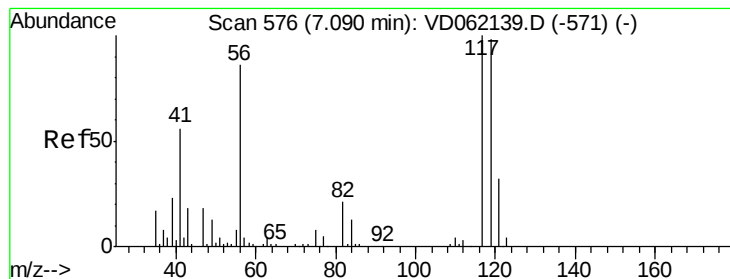
110 0.0 19.1 57.1#

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): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.033 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.02 min

Lab File: VD062365.D

Acq: 15 May 2019 1:14

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ClientSampleId :

P021-SS007-0002-01RE

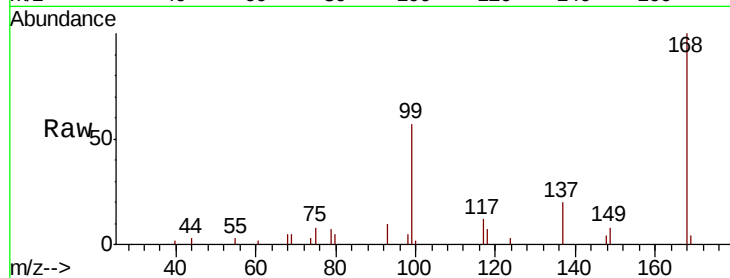
Tot Ion:117 Resp: 4798

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

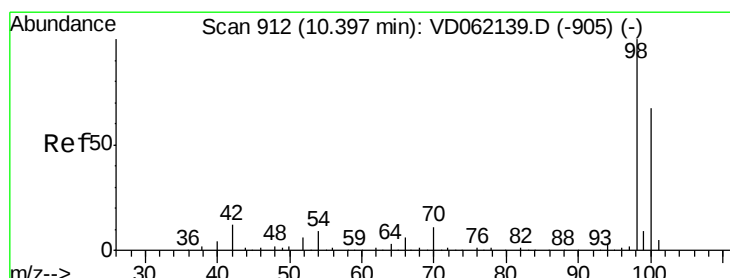
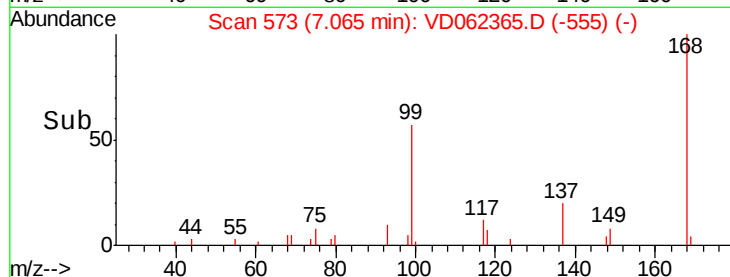
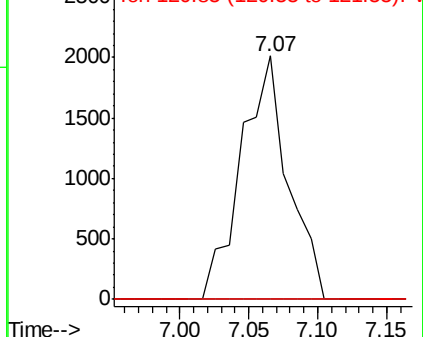
121 0.0 25.9 38.9#



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



#50

Toluene-d8

Concen: 33.342 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062365.D

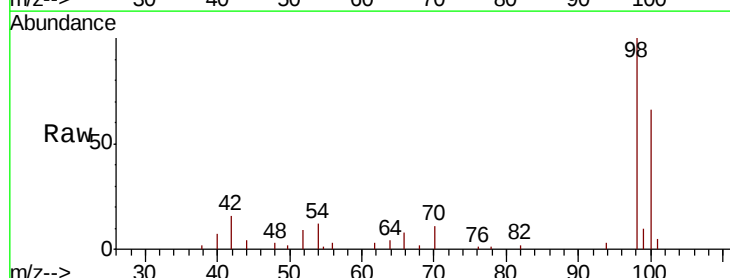
Acq: 15 May 2019 1:14

Tgt Ion: 98 Resp: 56029

Ion Ratio Lower Upper

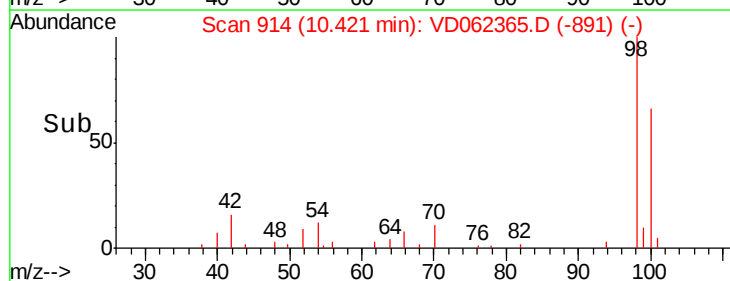
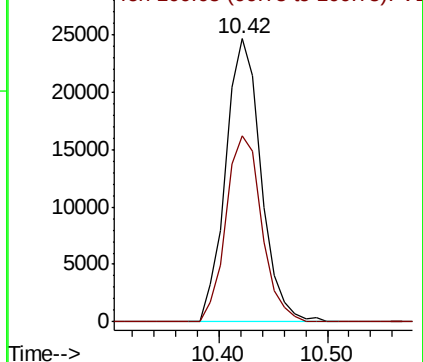
98 100

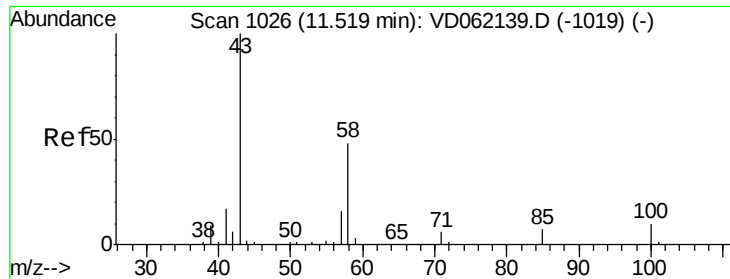
100 66.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#59

2-Hexanone

Concen: 1.157 ug/l

RT: 11.59 min Scan# 1033

Delta R.T. 0.07 min

Lab File: VD062365.D

Acq: 15 May 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

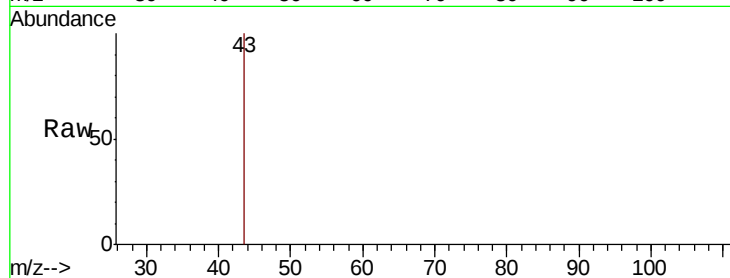
P021-SS007-0002-01RE

Tot Ion: 43 Resp: 227

Ion Ratio Lower Upper

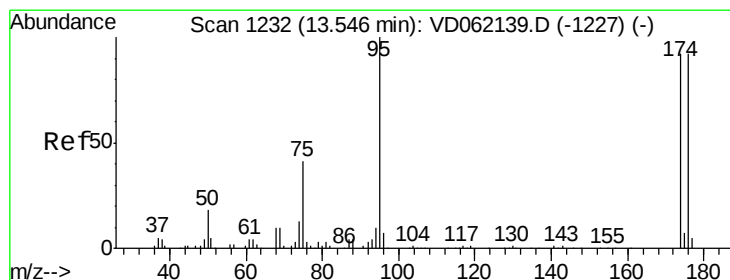
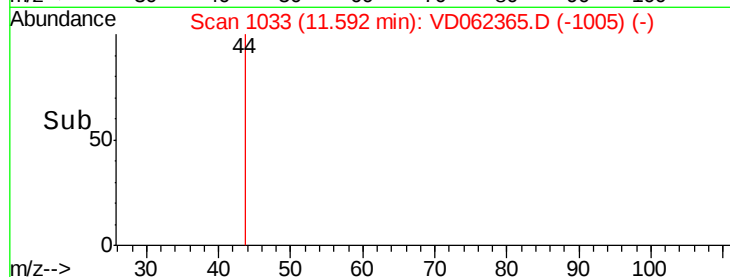
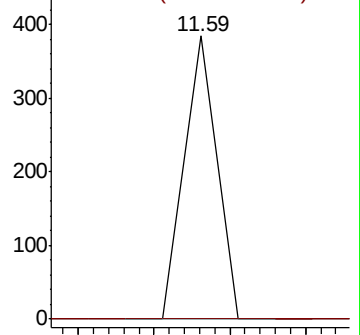
43 100

58 0.0 25.4 76.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 44.194 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062365.D

Acq: 15 May 2019 1:14

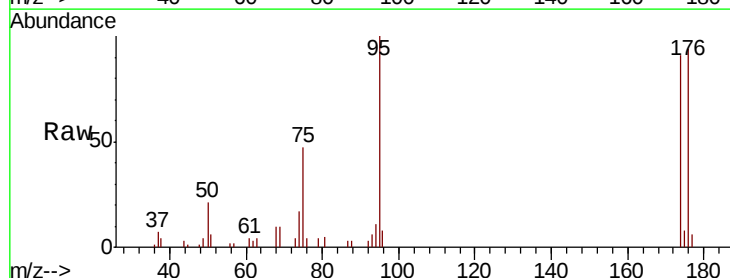
Tgt Ion: 95 Resp: 29822

Ion Ratio Lower Upper

95 100

174 90.8 0.0 181.8

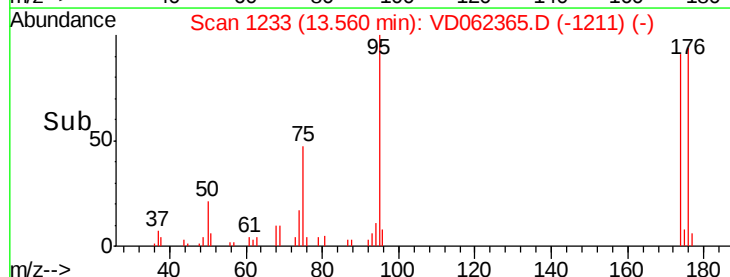
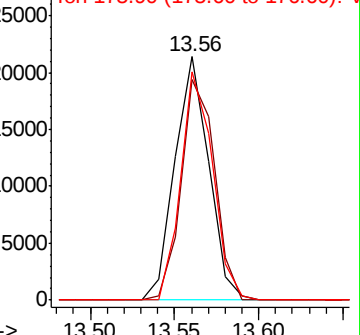
176 93.8 0.0 174.4

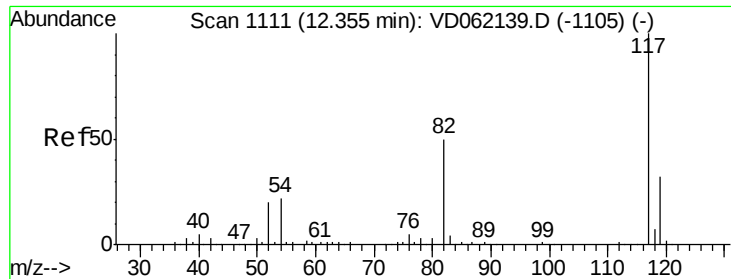


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

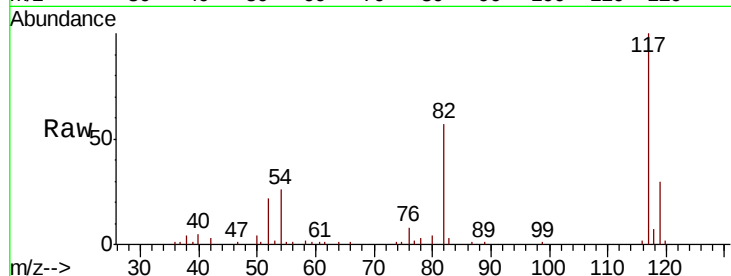




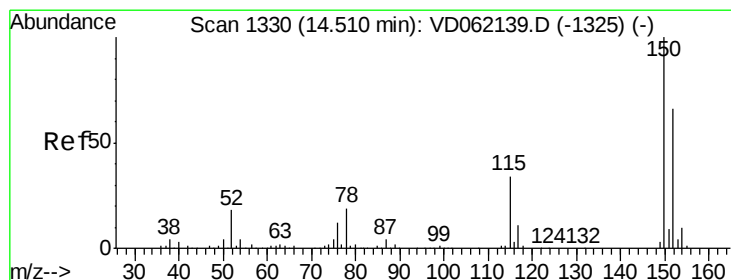
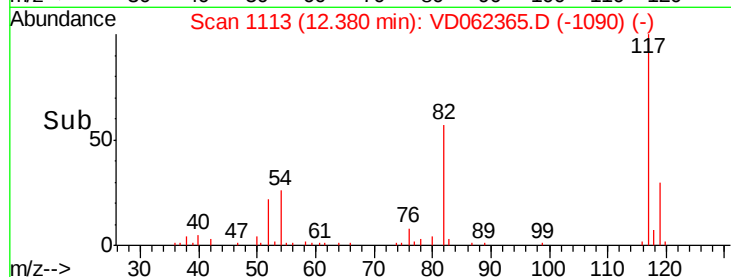
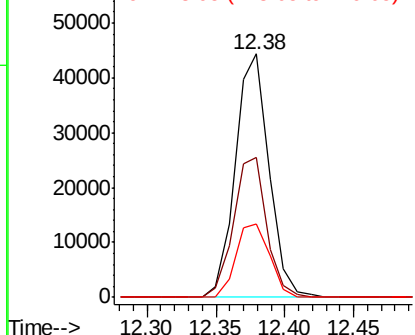
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062365.D
Acq: 15 May 2019 1:14

Instrument :
MSVOA_D
ClientSampleId :
P021-SS007-0002-01RE

Tot Ion:117 Resp: 75362
Ion Ratio Lower Upper
117 100
82 57.4 36.2 54.2#
119 30.3 26.2 39.4

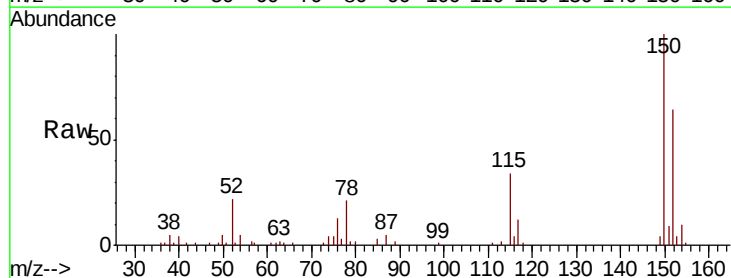


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

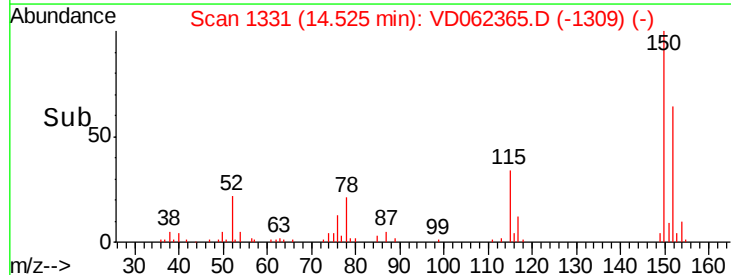
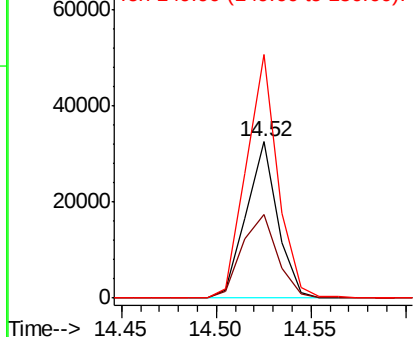


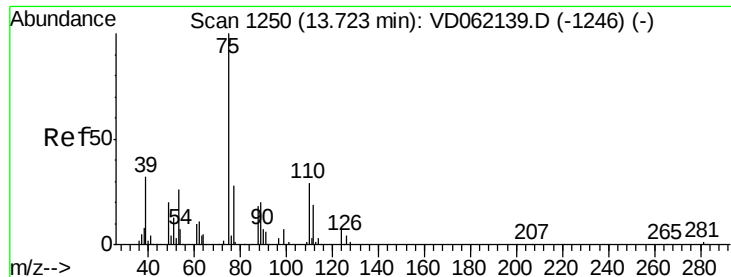
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062365.D
Acq: 15 May 2019 1:14

Tgt Ion:152 Resp: 37373
Ion Ratio Lower Upper
152 100
115 53.5 30.9 92.7
150 156.0 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: 28.605 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062365.D

Acq: 15 May 2019 1:14

Instrument :

MSVOA_D

ClientSampleId :

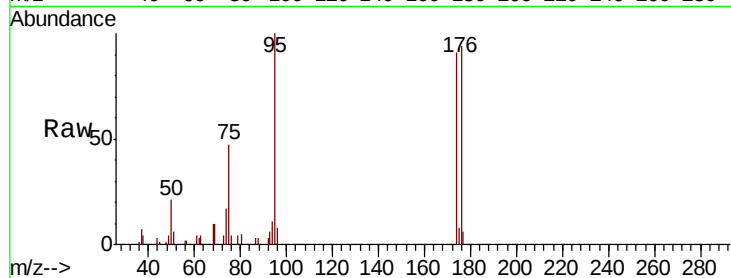
P021-SS007-0002-01RE

Tot Ion: 75 Resp: 12705

Ion Ratio Lower Upper

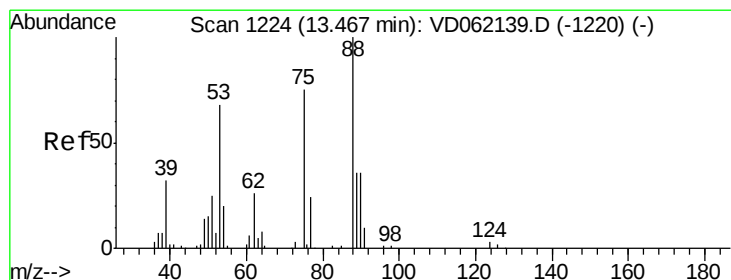
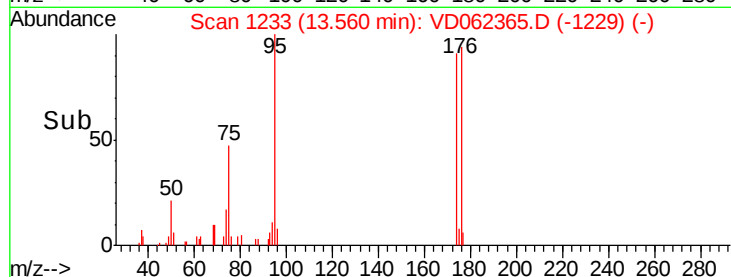
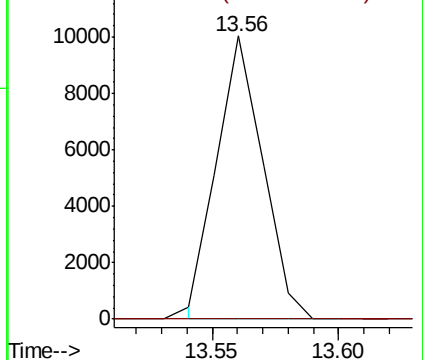
75 100

77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 103.266 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062365.D

Acq: 15 May 2019 1:14

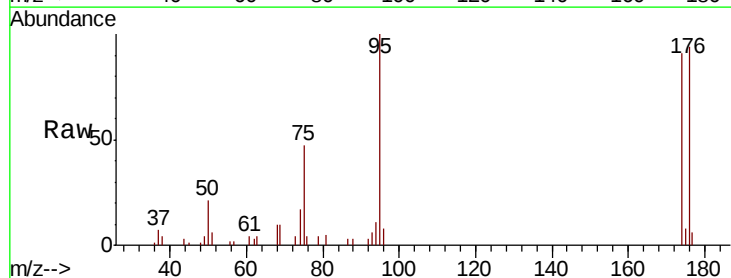
Tgt Ion: 75 Resp: 12948

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

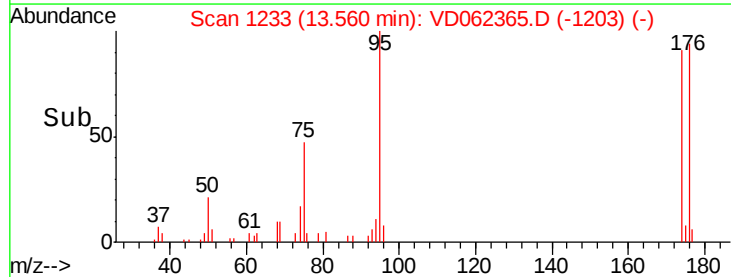
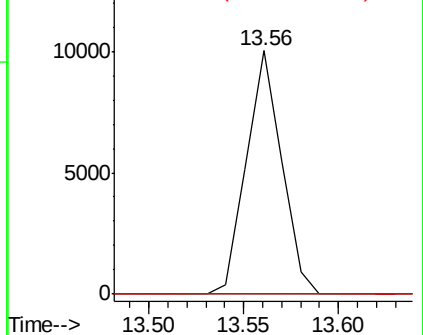
89 0.0 35.0 52.6#

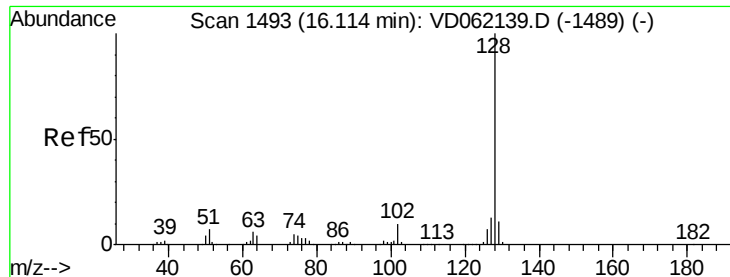


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

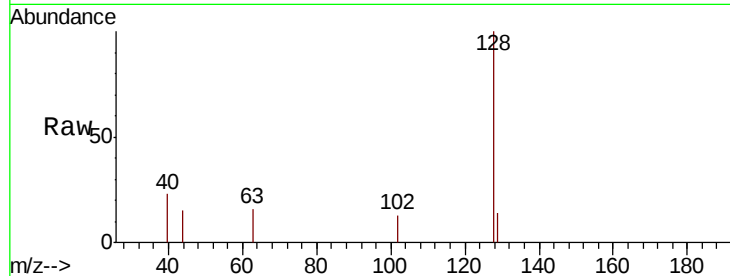




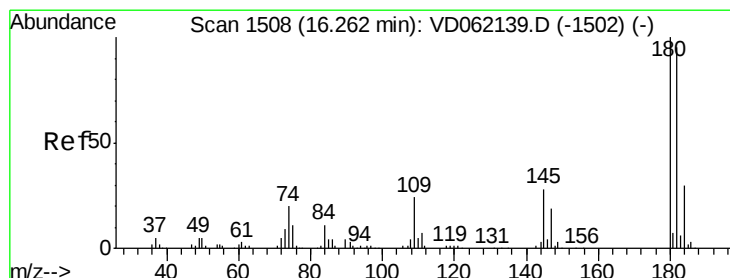
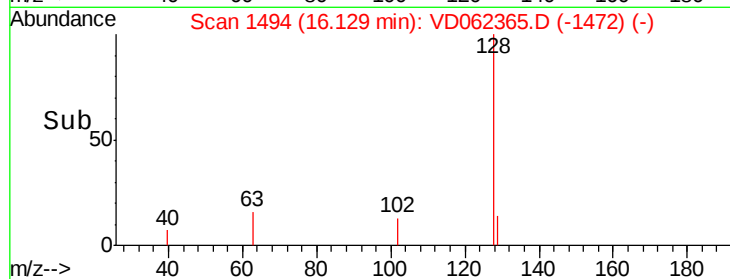
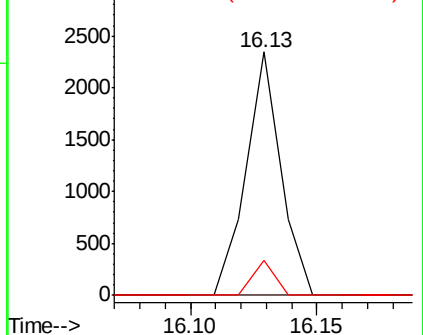
#95
Naphthalene
Concen: 2.342 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062365.D
Acq: 15 May 2019 1:14

Instrument :
MSVOA_D
ClientSampleId :
P021-SS007-0002-01RE

Tot Ion:128 Resp: 2245
Ion Ratio Lower Upper
128 100
127 0.0 9.8 14.8#
129 14.4 8.8 13.2#

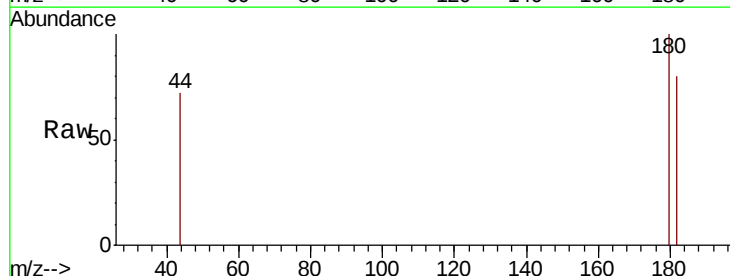


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 2.318 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062365.D
Acq: 15 May 2019 1:14

Tgt Ion:180 Resp: 1001
Ion Ratio Lower Upper
180 100
182 79.7 47.0 141.0
145 0.0 17.0 51.0#



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

