

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062256.D
 Acq On : 12 May 2019 13:57
 Operator : FY/SY
 Sample : K2733-01
 Misc : 6.23g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-01

Quant Time: May 13 01:32:24 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	7.05	168	459845	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	646660	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	447937	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	140818	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	260574	60.98	ug/l	0.03
Spiked Amount			Recovery	=	121.96%	
35) Dibromofluoromethane	6.94	113	313995	58.52	ug/l	0.04
Spiked Amount			Recovery	=	117.04%	
50) Toluene-d8	10.42	98	407390	31.49	ug/l	0.02
Spiked Amount			Recovery	=	62.98%	
62) 4-Bromofluorobenzene	13.56	95	151576	29.18	ug/l	0.01
Spiked Amount			Recovery	=	58.36%	

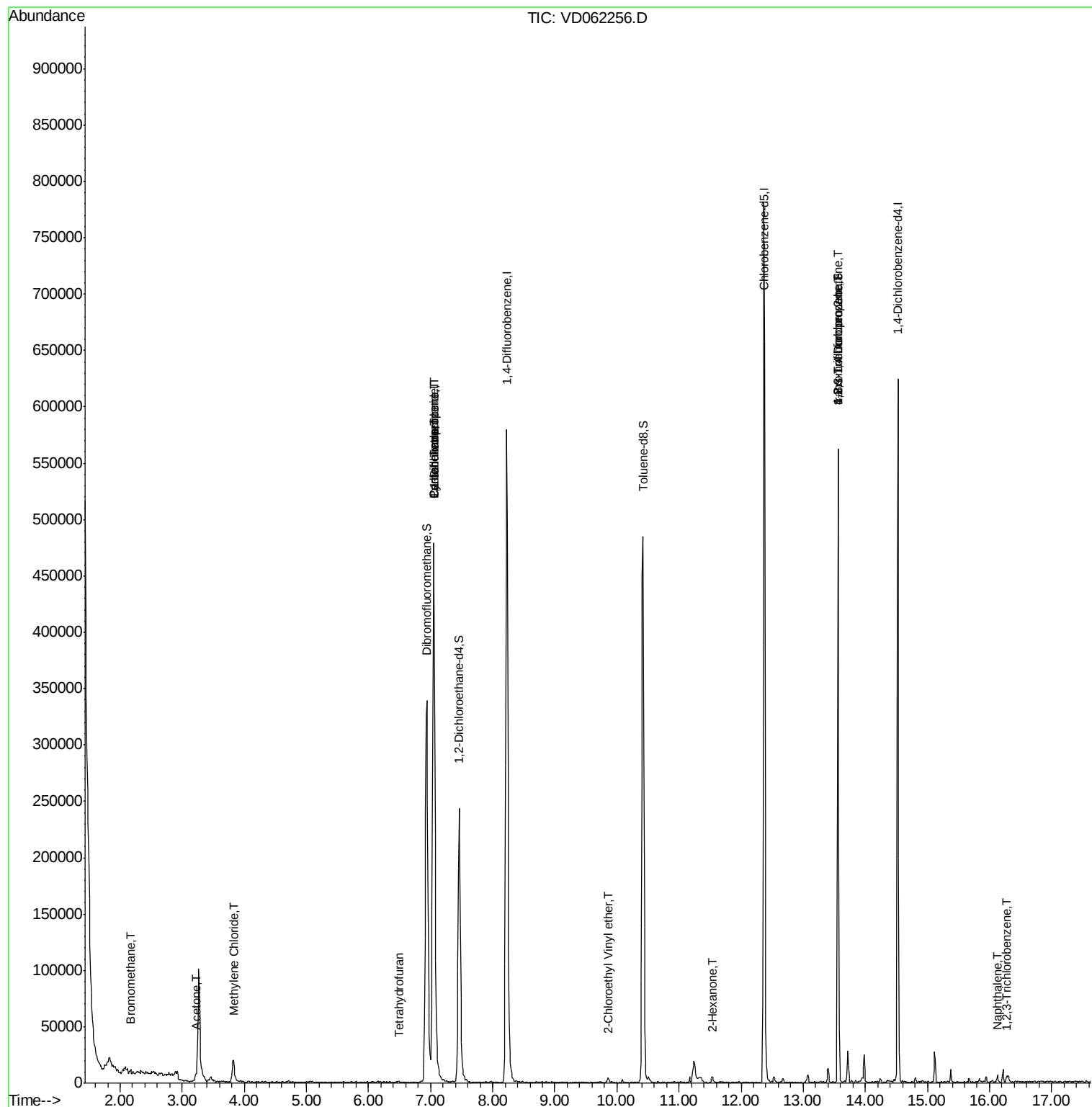
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	2925	3.997	ug/l #	12
16) Acetone	3.22	43	10981	12.253	ug/l #	68
20) Methylene Chloride	3.83	84	12811	3.424	ug/l	93
29) Tetrahydrofuran	6.47	42	653	1.450	ug/l #	30
31) Cyclohexane	7.05	56	8774	1.957	ug/l #	6
36) 1,1-Dichloropropene	7.05	75	35108	6.622	ug/l #	46
38) Carbon Tetrachloride	7.05	117	44281	6.034	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.86	63	2506	1.602	ug/l #	46
59) 2-Hexanone	11.53	43	1769	1.171	ug/l #	27
76) 1,2,3-Trichloropropane	13.56	75	57842	34.563	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	60171	127.362	ug/l #	16
95) Naphthalene	16.13	128	5153	1.426	ug/l #	91
96) 1,2,3-Trichlorobenzene	16.28	180	2021	1.242	ug/l	80

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

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Quant Time: May 13 01:32:24 2019
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: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062256.D

Acq: 12 May 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

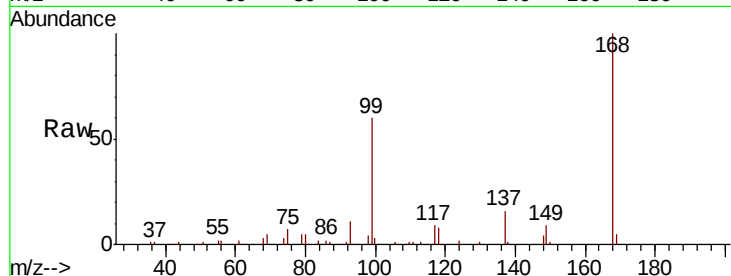
P021-SS001-0002-01

Tot Ion:168 Resp: 459845

Ion Ratio Lower Upper

168 100

99 60.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

150000

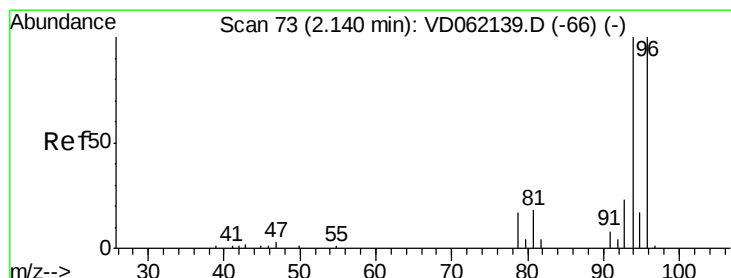
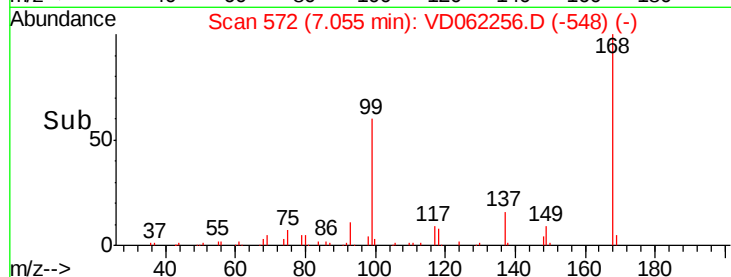
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 3.997 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062256.D

Acq: 12 May 2019 13:57

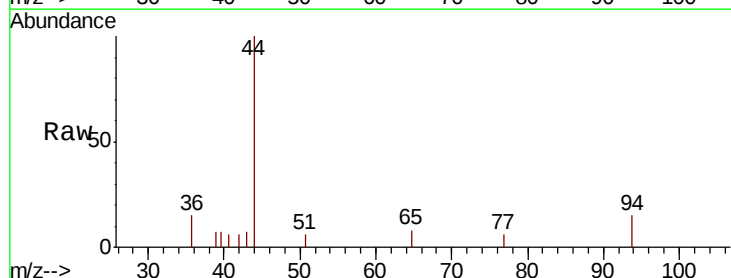
Tgt Ion: 94 Resp: 2925

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): V

Ion 96.00 (95.70 to 96.70): V

Ion 93.00 (92.70 to 93.70): V

1200

1000

800

600

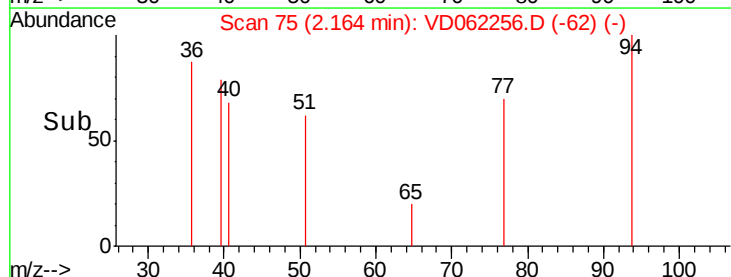
400

200

0

Time-->

2.10 2.15 2.20





#16

Acetone

Concen: 12.253 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062256.D

Acq: 12 May 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

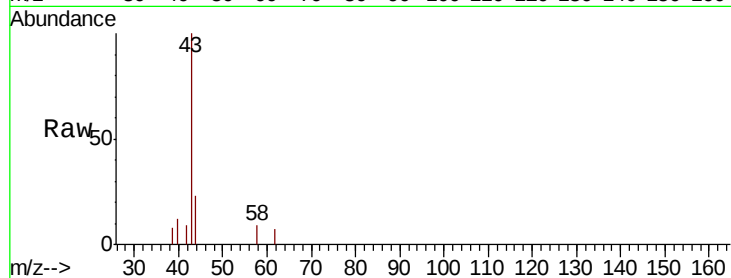
P021-SS001-0002-01

Tot Ion: 43 Resp: 10981

Ion Ratio Lower Upper

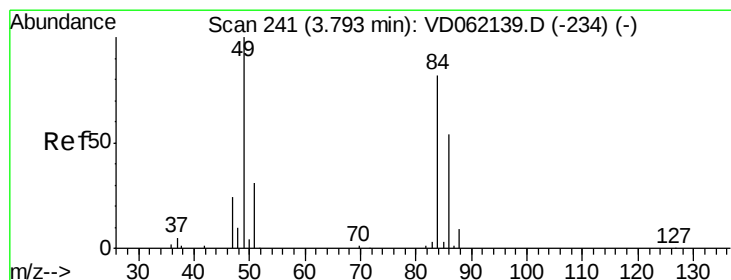
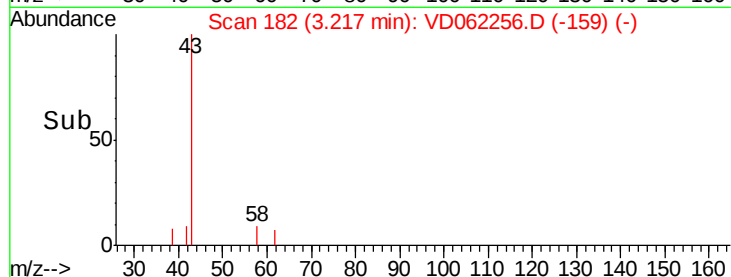
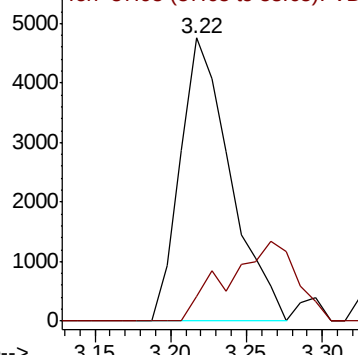
43 100

58 8.8 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.424 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD062256.D

Acq: 12 May 2019 13:57

Tgt Ion: 84 Resp: 12811

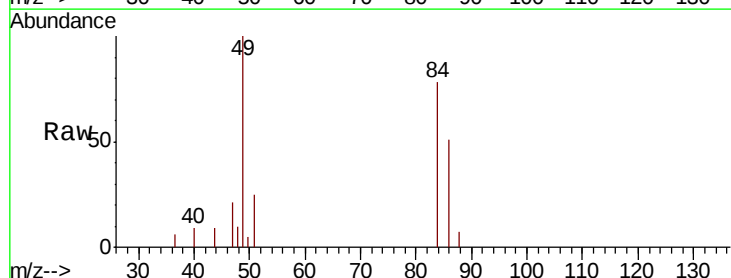
Ion Ratio Lower Upper

84 100

49 127.5 94.0 141.0

51 31.4 29.0 43.4

86 64.5 49.8 74.6

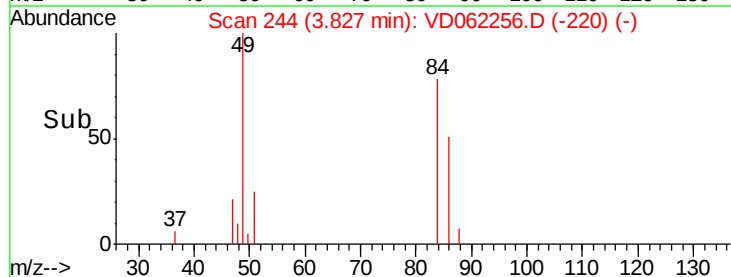
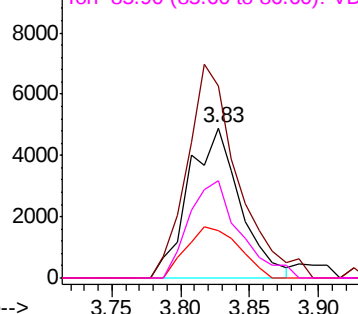


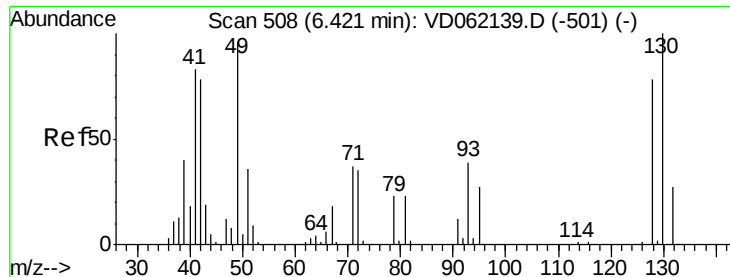
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#29

Tetrahydrofuran

Concen: 1.450 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.05 min

Lab File: VD062256.D

Acq: 12 May 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01

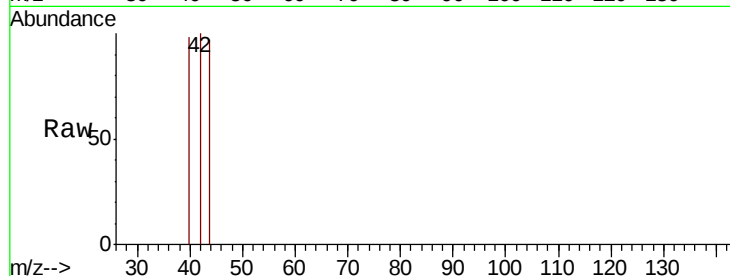
Tot Ion: 42 Resp: 653

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

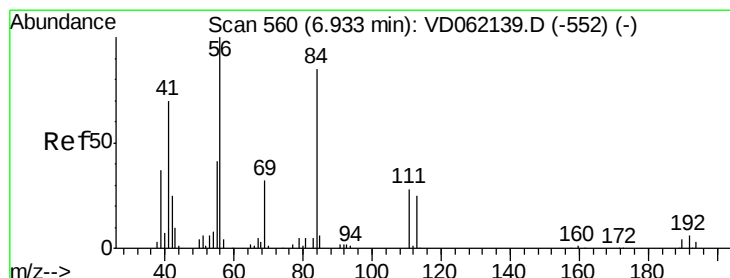
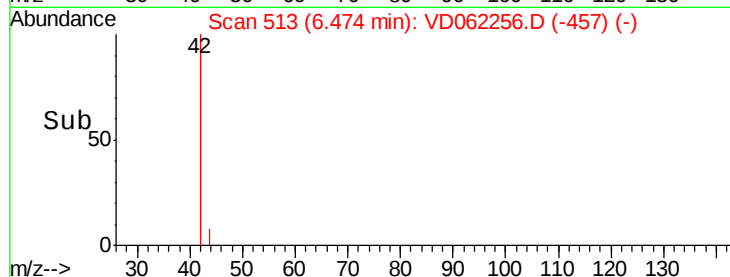
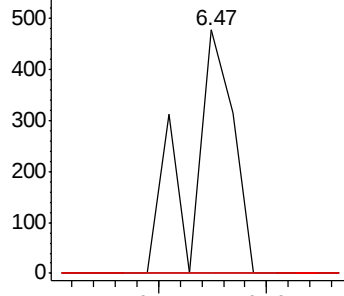
71 0.0 36.7 55.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.957 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD062256.D

Acq: 12 May 2019 13:57

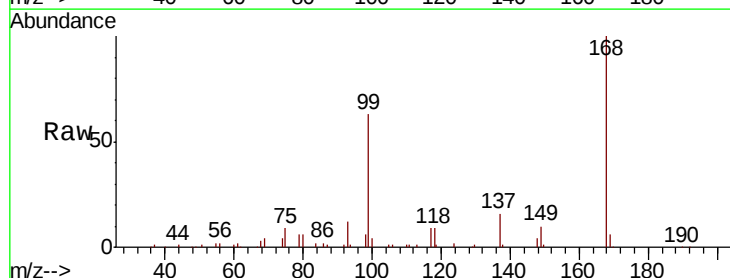
Tgt Ion: 56 Resp: 8774

Ion Ratio Lower Upper

56 100

69 205.2 25.8 38.6#

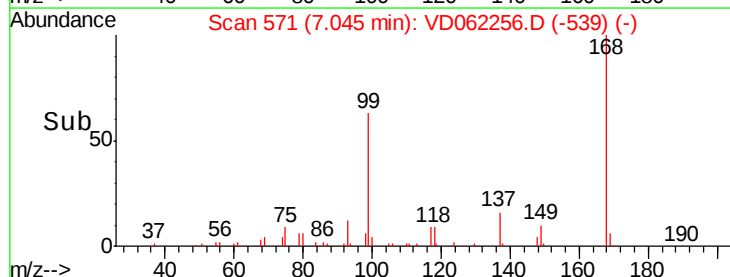
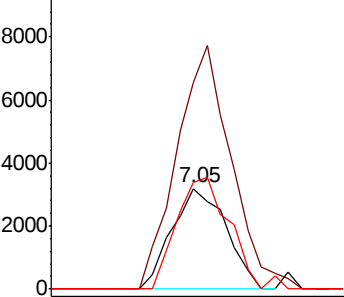
84 106.0 72.2 108.4



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

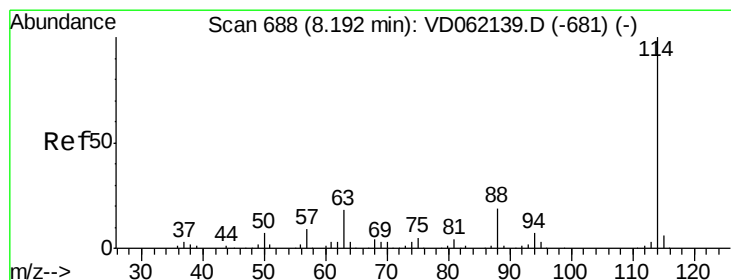
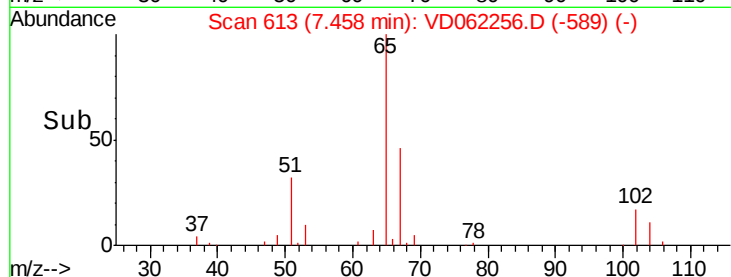
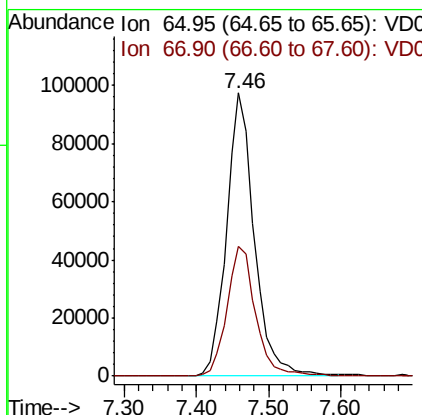
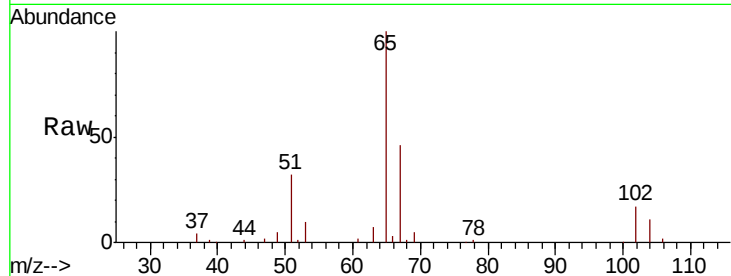




#33
 1,2-Dichloroethane-d4
 Concen: 60.976 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD062256.D
 Acq: 12 May 2019 13:57

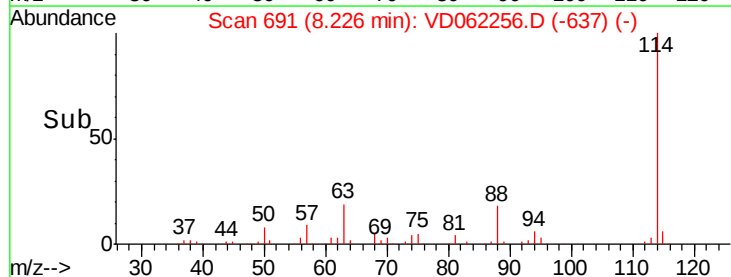
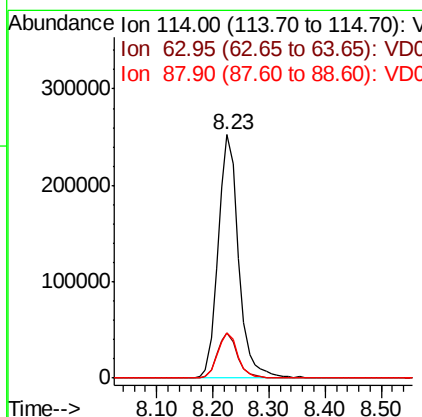
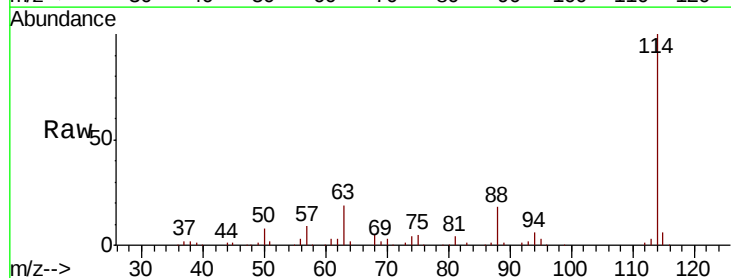
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-01

Tot Ion: 65 Resp: 260574
 Ion Ratio Lower Upper
 65 100
 67 46.0 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062256.D
 Acq: 12 May 2019 13:57

Tgt Ion: 114 Resp: 646660
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 32.4
 88 18.4 0.0 33.6

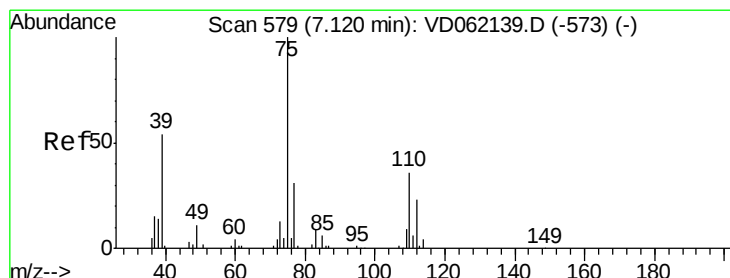
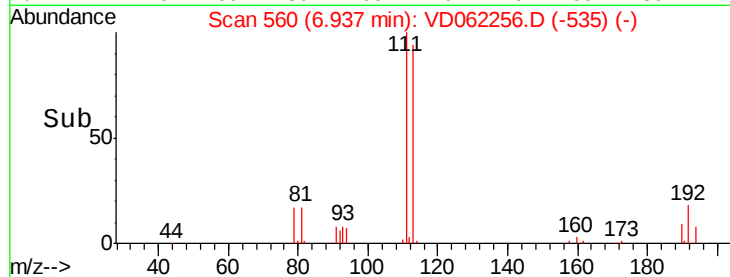
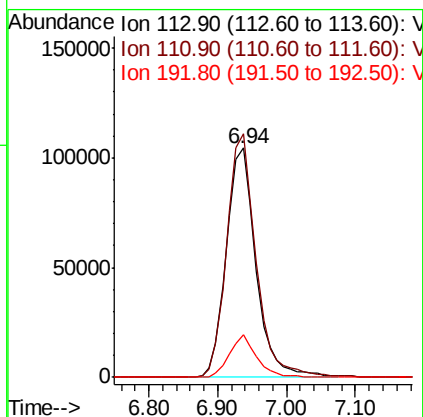
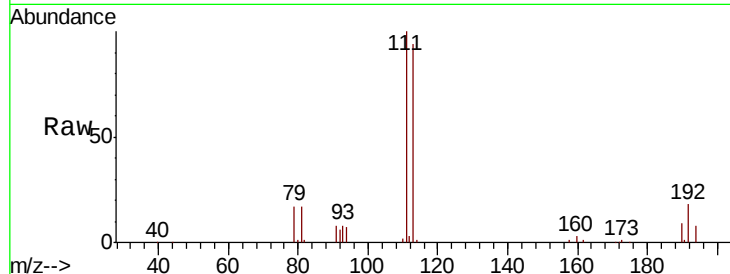




#35
 Dibromofluoromethane
 Concen: 58.522 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD062256.D
 Acq: 12 May 2019 13:57

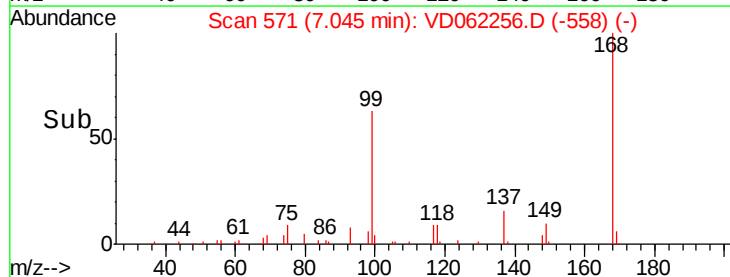
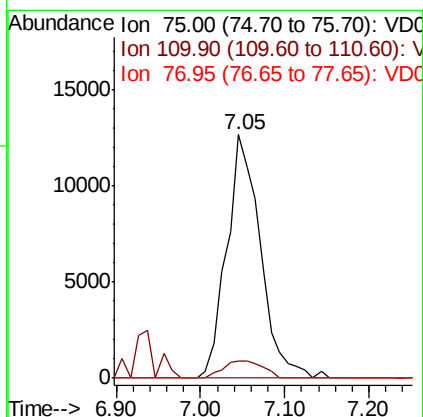
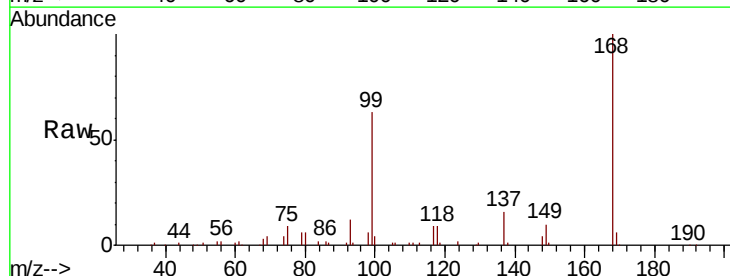
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-01

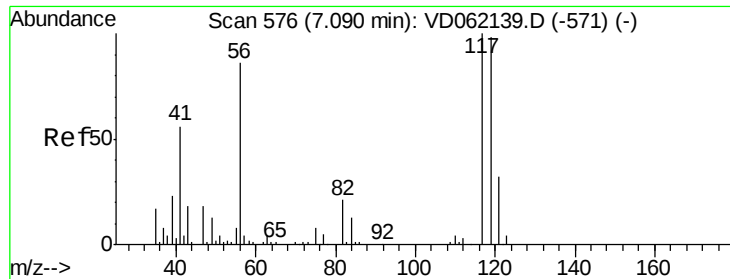
Tot Ion	Ratio	Lower	Upper
113	100		
111	106.2	78.5	117.7
192	18.8	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 6.622 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD062256.D
 Acq: 12 May 2019 13:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.0	19.1	57.1#
77	0.0	25.6	38.4#

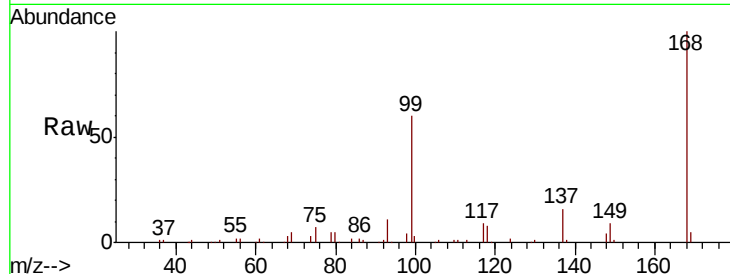




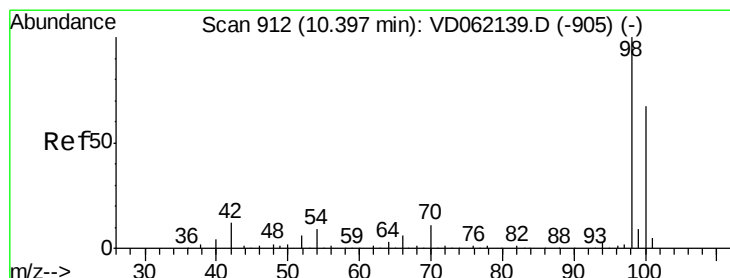
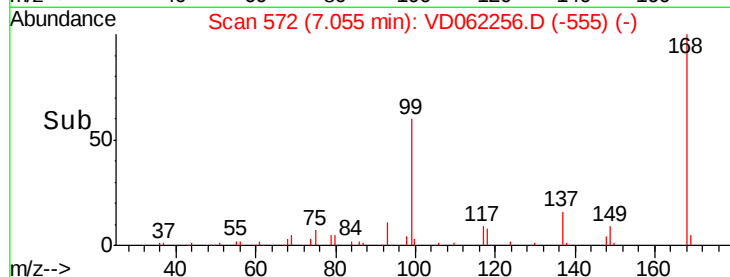
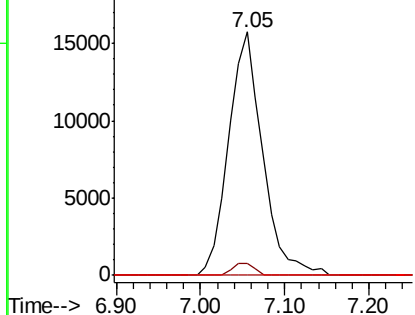
#38
Carbon Tetrachloride
Concen: 6.034 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD062256.D
Acq: 12 May 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01

Tot Ion:117 Resp: 44281
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 25.9 38.9#

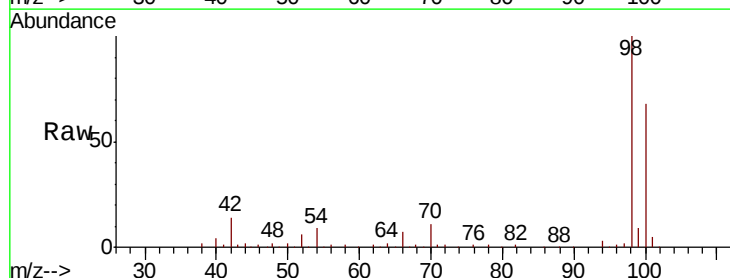


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

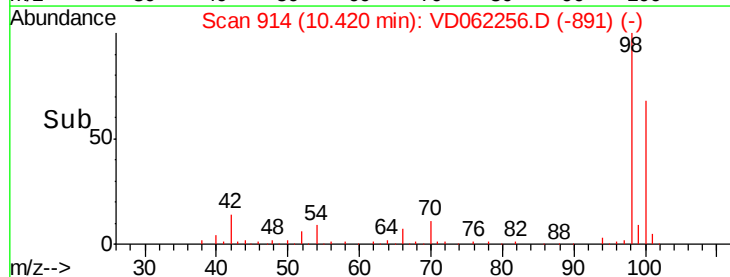
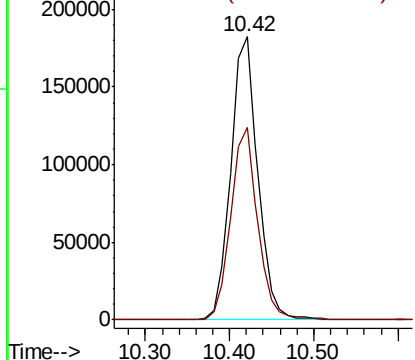


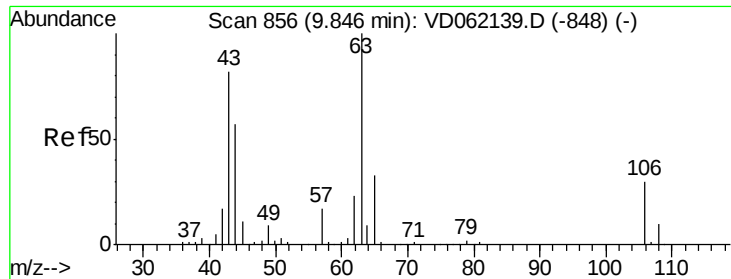
#50
Toluene-d8
Concen: 31.492 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062256.D
Acq: 12 May 2019 13:57

Tgt Ion: 98 Resp: 407390
Ion Ratio Lower Upper
98 100
100 68.1 53.8 80.8



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





#58

2-Chloroethyl Vinyl ether

Concen: 1.602 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD062256.D

Acq: 12 May 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

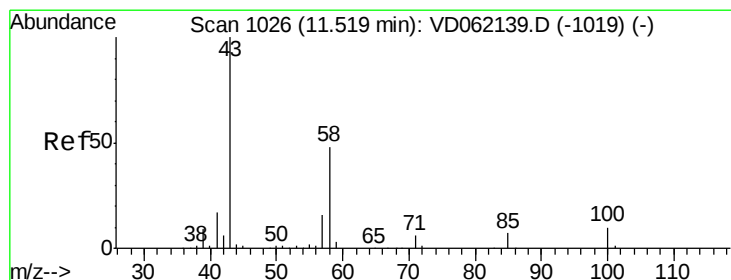
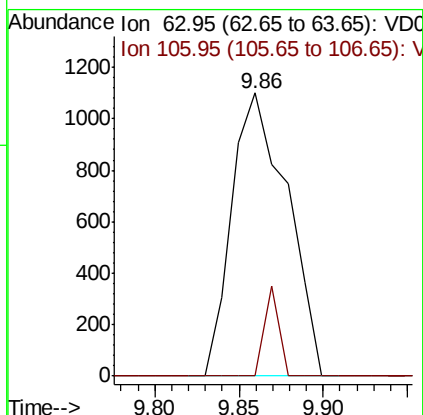
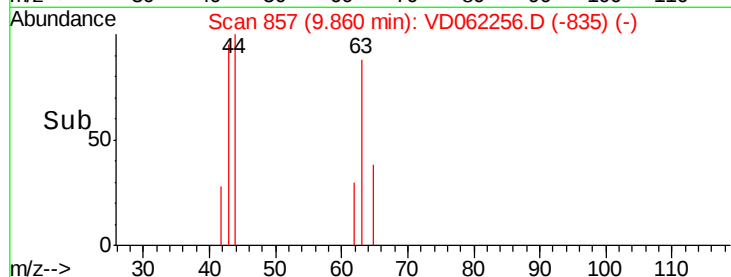
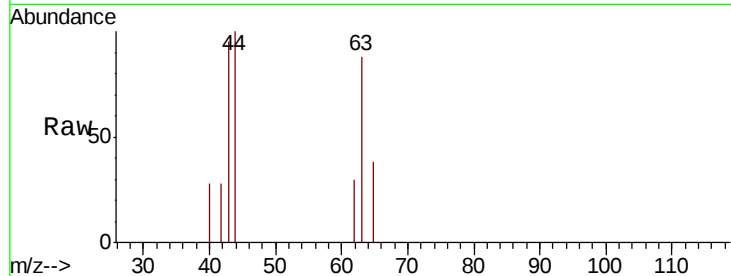
P021-SS001-0002-01

Tot Ion: 63 Resp: 2506

Ion Ratio Lower Upper

63 100

106 0.0 22.6 34.0#



#59

2-Hexanone

Concen: 1.171 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. 0.01 min

Lab File: VD062256.D

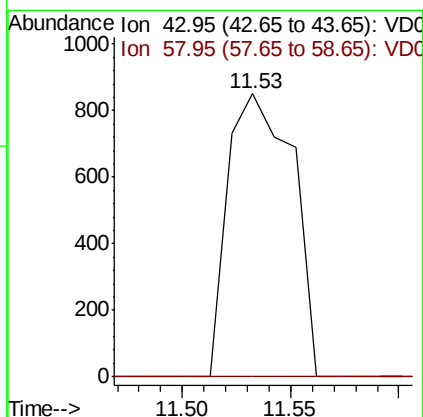
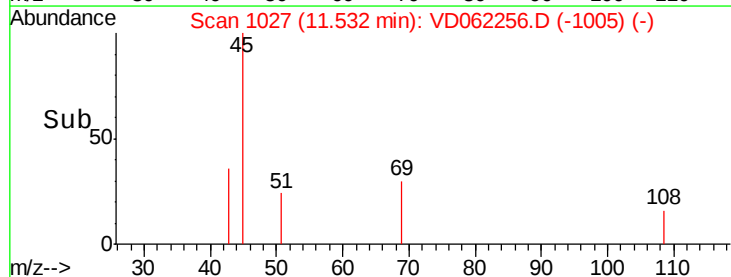
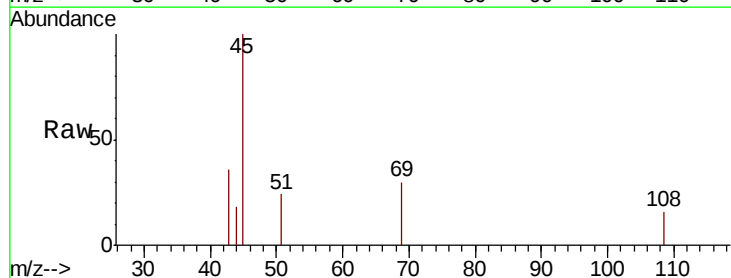
Acq: 12 May 2019 13:57

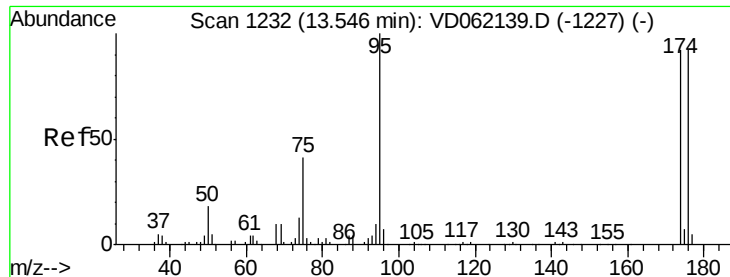
Tgt Ion: 43 Resp: 1769

Ion Ratio Lower Upper

43 100

58 0.0 25.4 76.4#

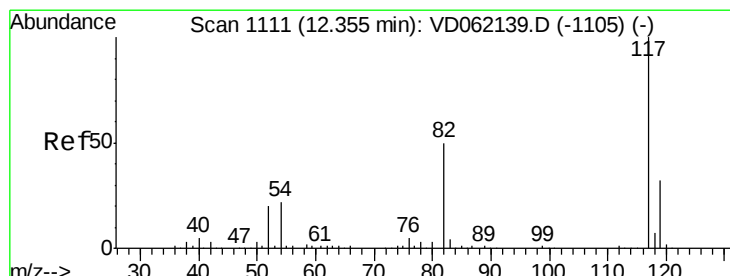
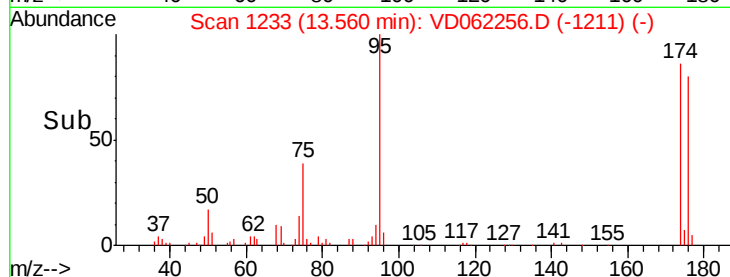
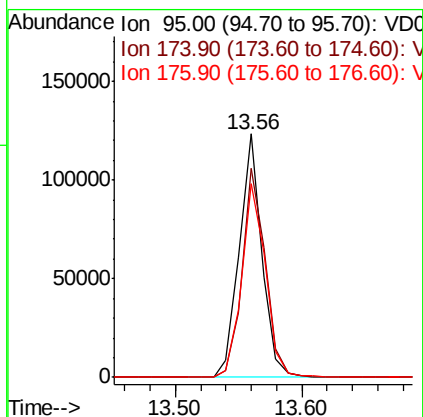
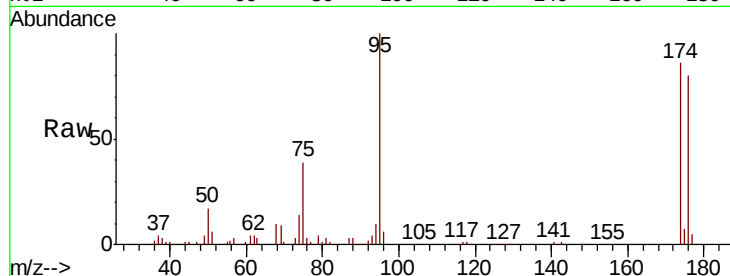




#62
4-Bromofluorobenzene
Concen: 29.178 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062256.D
Acq: 12 May 2019 13:57

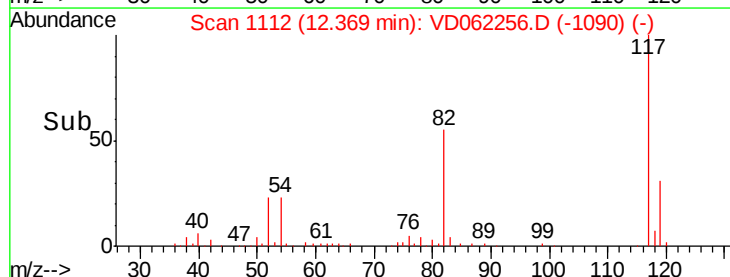
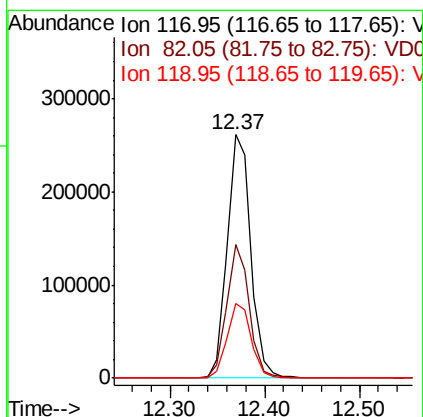
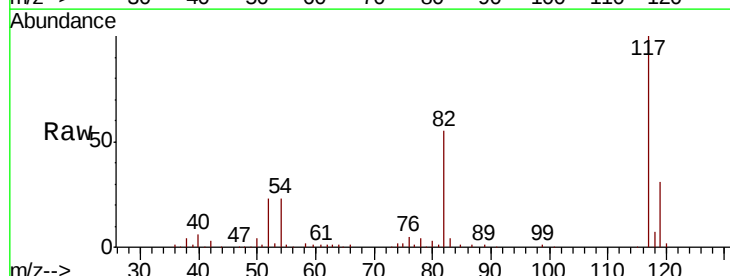
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01

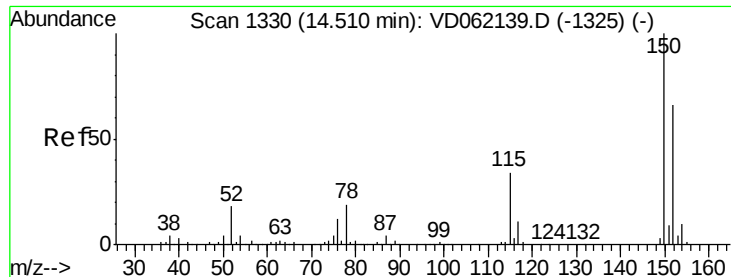
Tot Ion: 95 Resp: 151576
Ion Ratio Lower Upper
95 100
174 86.0 0.0 181.8
176 79.6 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062256.D
Acq: 12 May 2019 13:57

Tgt Ion: 117 Resp: 447937
Ion Ratio Lower Upper
117 100
82 55.0 36.2 54.2#
119 30.7 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062256.D

Acq: 12 May 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01

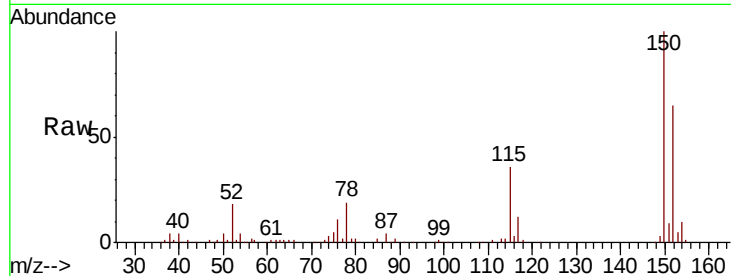
Tot Ion:152 Resp: 140818

Ion Ratio Lower Upper

152 100

115 55.4 30.9 92.7

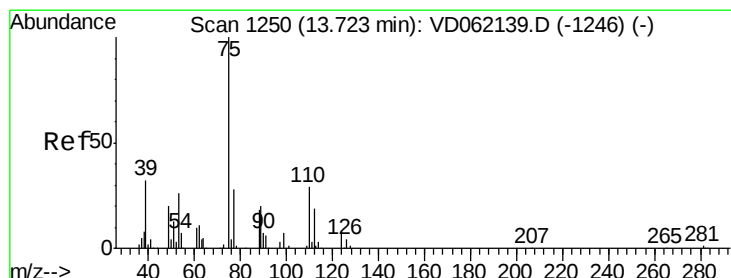
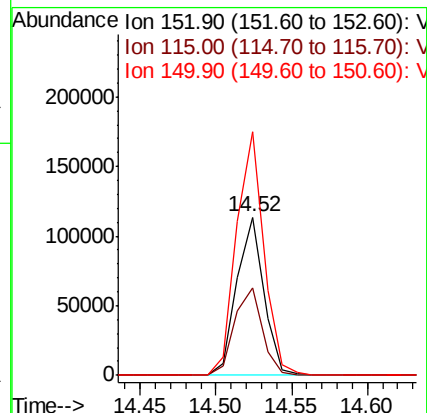
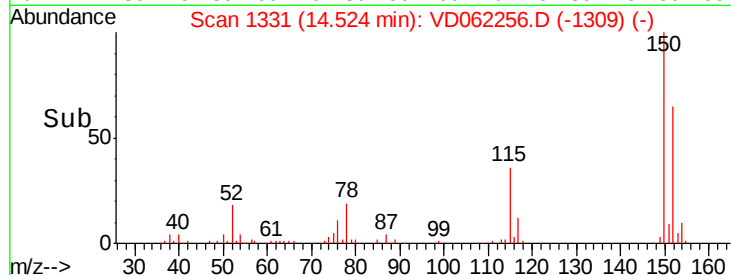
150 153.7 0.0 314.8



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: 34.563 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062256.D

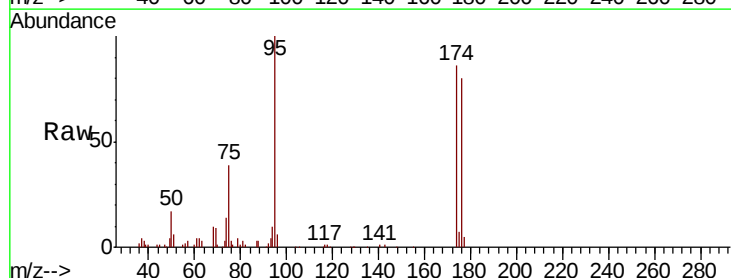
Acq: 12 May 2019 13:57

Tgt Ion: 75 Resp: 57842

Ion Ratio Lower Upper

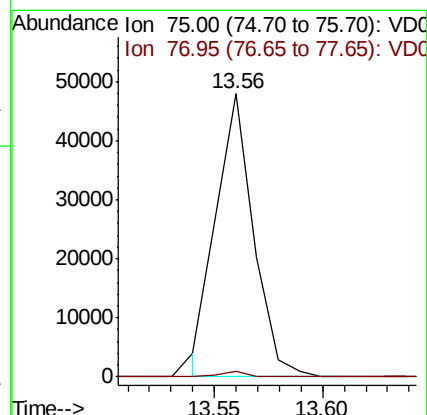
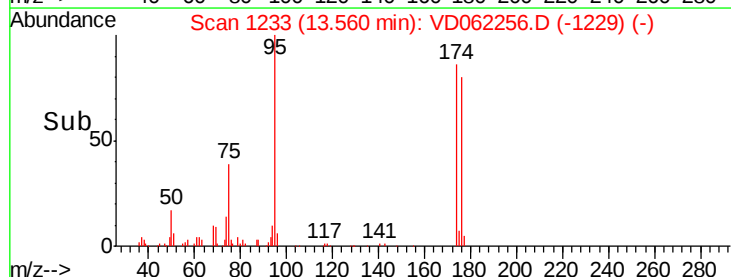
75 100

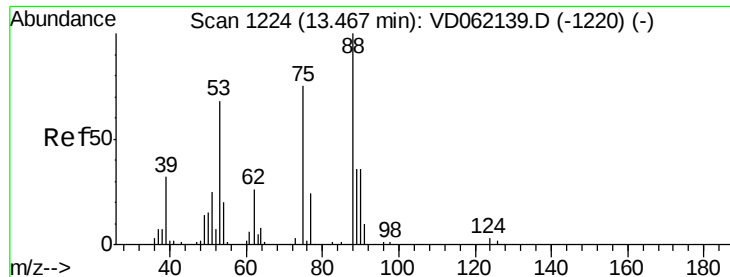
77 1.9 16.4 49.4#



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: 127.362 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062256.D

Acq: 12 May 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01

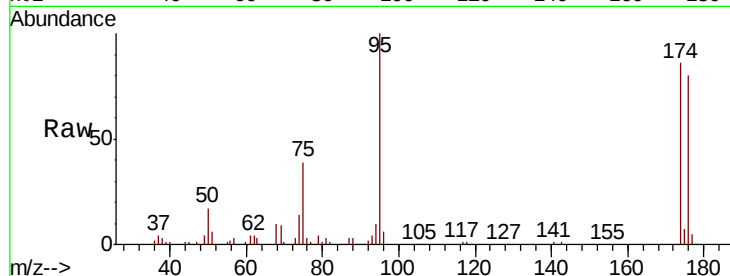
Tot Ion: 75 Resp: 60171

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

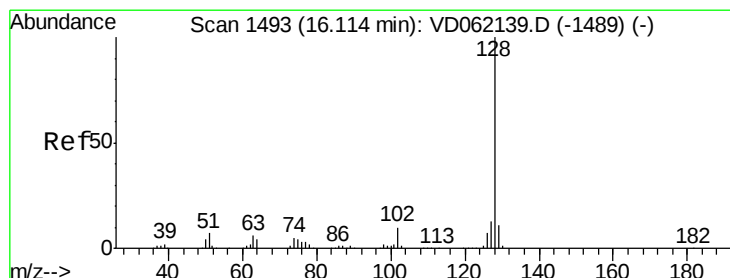
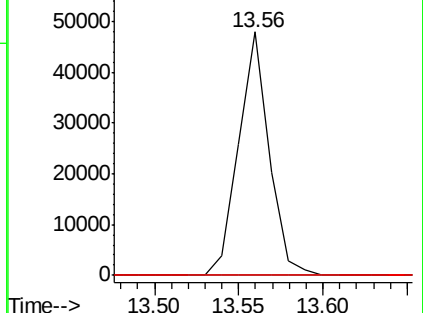
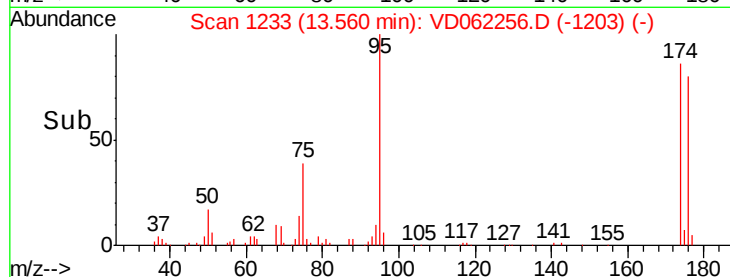
89 0.0 35.0 52.6#



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: 1.426 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062256.D

Acq: 12 May 2019 13:57

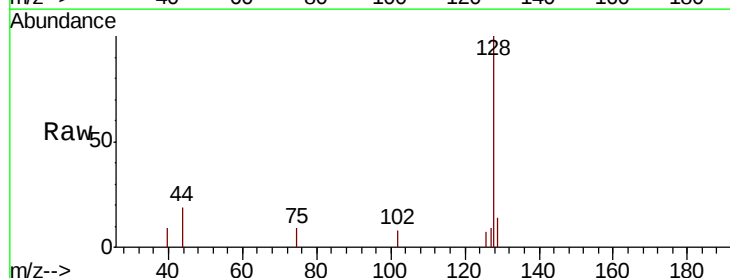
Tgt Ion: 128 Resp: 5153

Ion Ratio Lower Upper

128 100

127 8.7 9.8 14.8#

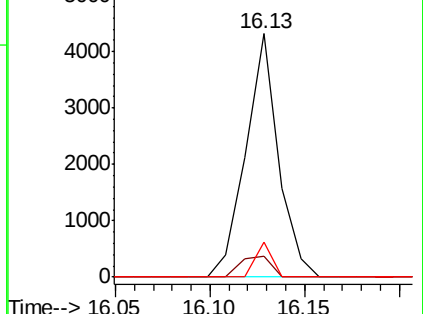
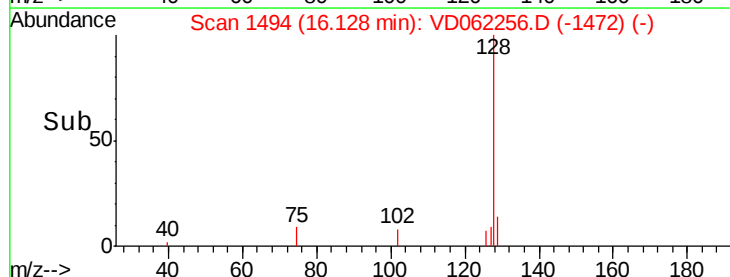
129 14.5 8.8 13.2#

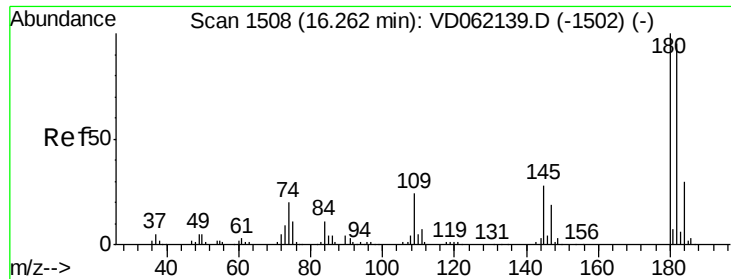


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 1.242 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD062256.D

Acq: 12 May 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01

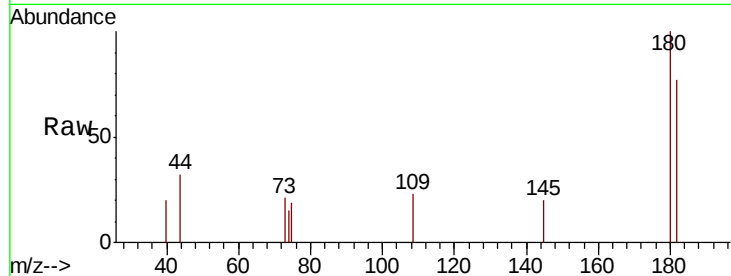
Tot Ion:180 Resp: 2021

Ion Ratio Lower Upper

180 100

182 76.6 47.0 141.0

145 20.3 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

