

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062269.D
 Acq On : 12 May 2019 19:55
 Operator : FY/SY
 Sample : K2733-14
 Misc : 4.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS003-0002-01

Quant Time: May 13 01:35:34 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	7.06	168	333853	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	506440	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	364398	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	148171	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	188620	60.80	ug/l	0.04
Spiked Amount			Recovery	=	121.60%	
35) Dibromofluoromethane	6.94	113	222147	52.87	ug/l	0.05
Spiked Amount			Recovery	=	105.74%	
50) Toluene-d8	10.42	98	313651	30.96	ug/l	0.02
Spiked Amount			Recovery	=	61.92%	
62) 4-Bromofluorobenzene	13.55	95	131817	32.40	ug/l	0.00
Spiked Amount			Recovery	=	64.80%	

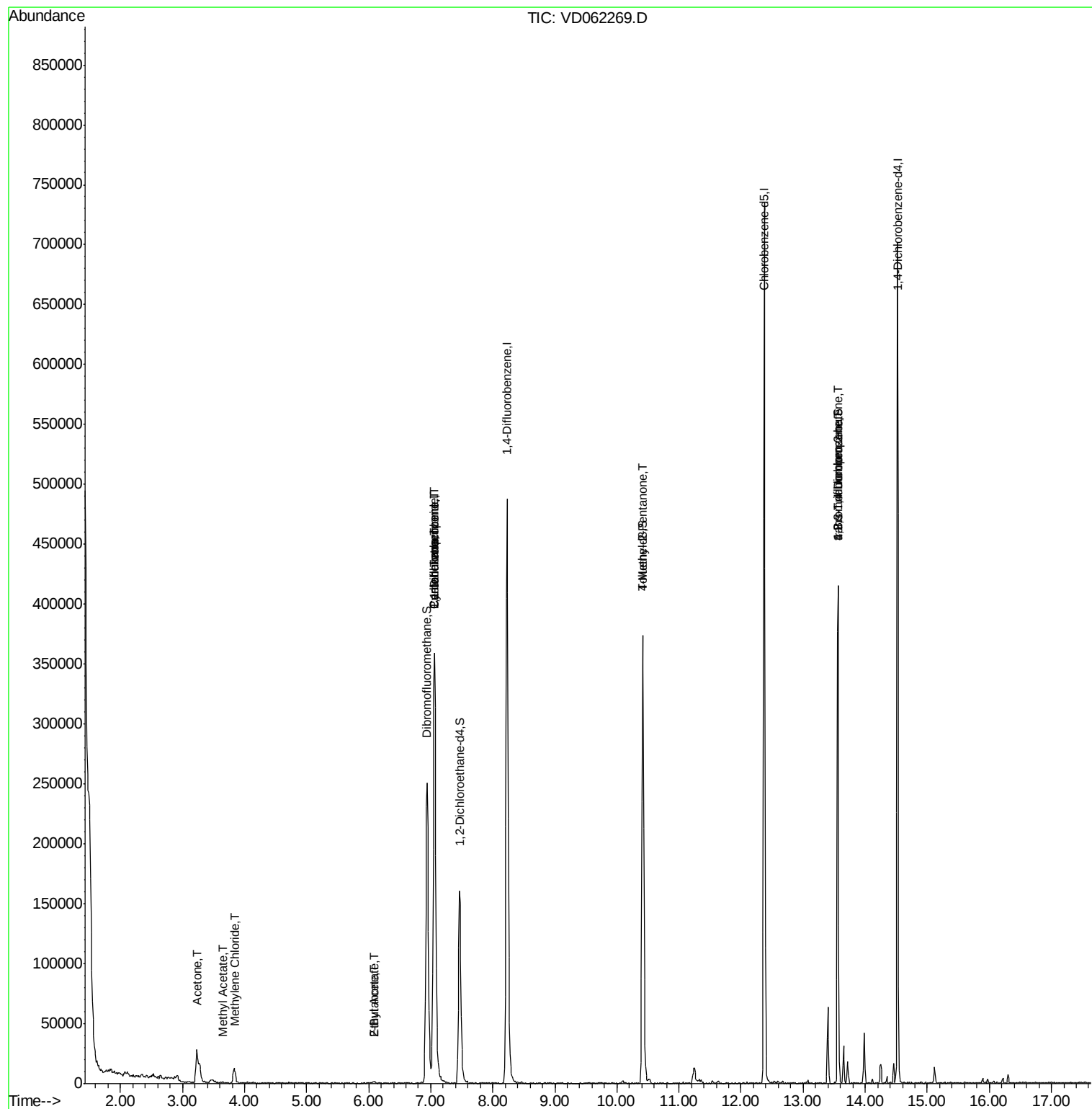
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	56178	86.343	ug/l #	80
18) Methyl Acetate	3.65	43	2000	1.424	ug/l #	53
20) Methylene Chloride	3.85	84	9314	3.428	ug/l #	68
25) 2-Butanone	6.09	43	3494	4.923	ug/l #	56
31) Cyclohexane	7.06	56	6671	2.049	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	28192	6.789	ug/l #	46
37) Ethyl Acetate	6.09	43	3494	1.984	ug/l #	64
38) Carbon Tetrachloride	7.06	117	33642	5.854	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	1730	1.078	ug/l #	1
76) 1,2,3-Trichloropropane	13.55	75	52038	29.552	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	59051	118.789	ug/l #	16

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051219\
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ClientSampleId :
P021-SS003-0002-01

Quant Time: May 13 01:35:34 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: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062269.D

Acq: 12 May 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

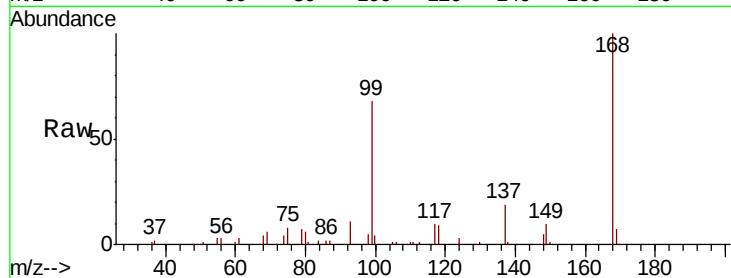
P021-SS003-0002-01

Tot Ion:168 Resp: 333853

Ion Ratio Lower Upper

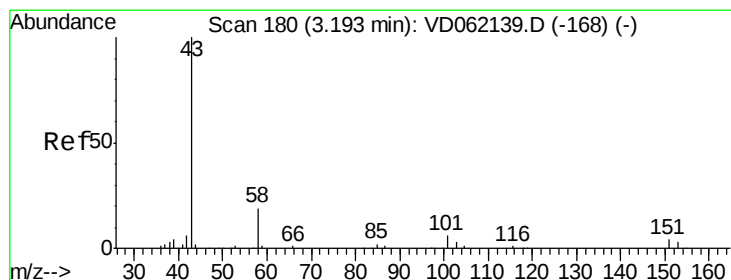
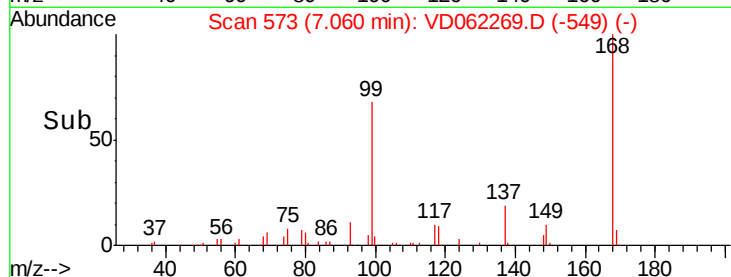
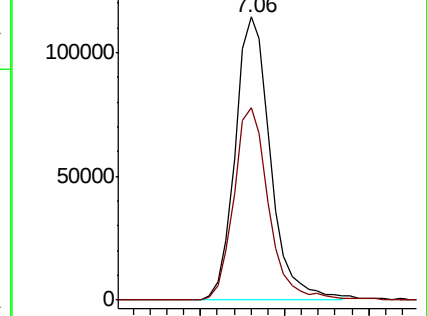
168 100

99 68.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 86.343 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062269.D

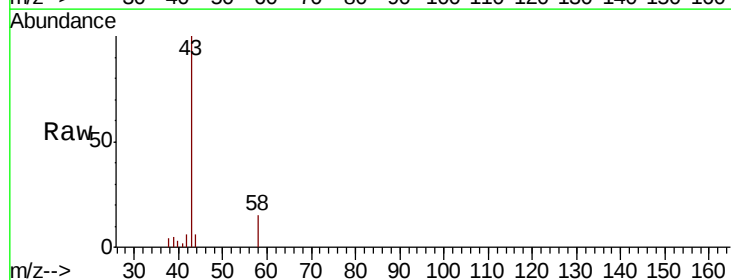
Acq: 12 May 2019 19:55

Tgt Ion: 43 Resp: 56178

Ion Ratio Lower Upper

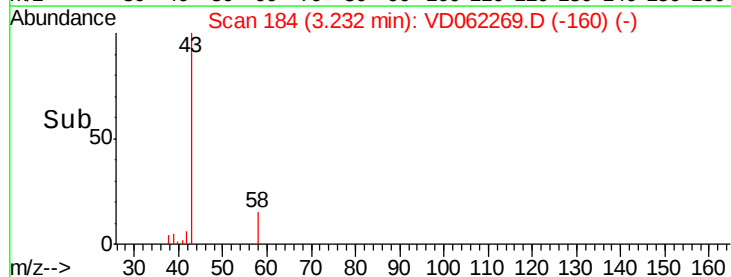
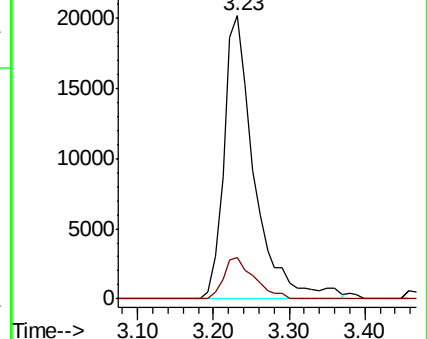
43 100

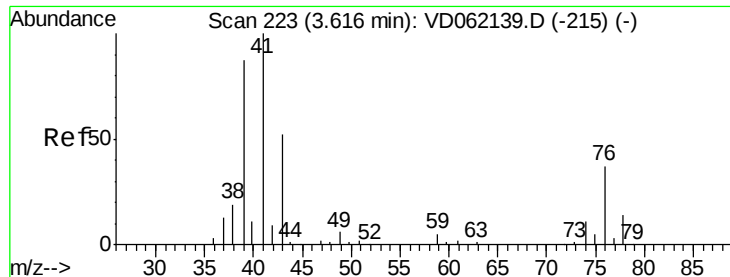
58 14.6 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

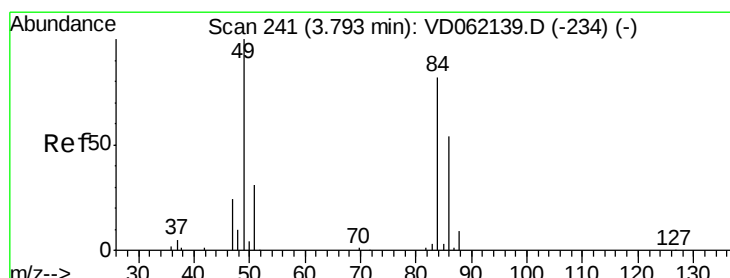
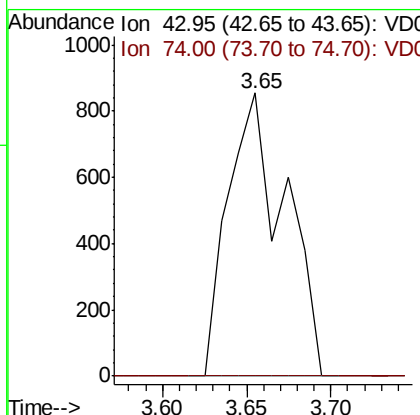
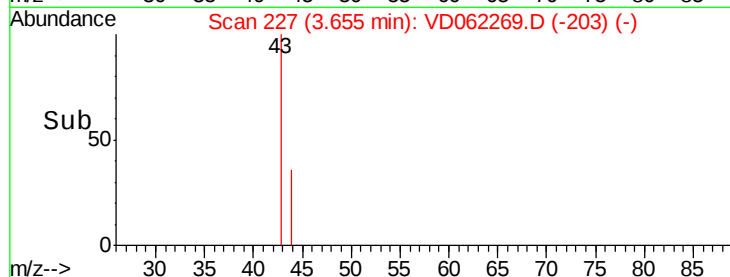
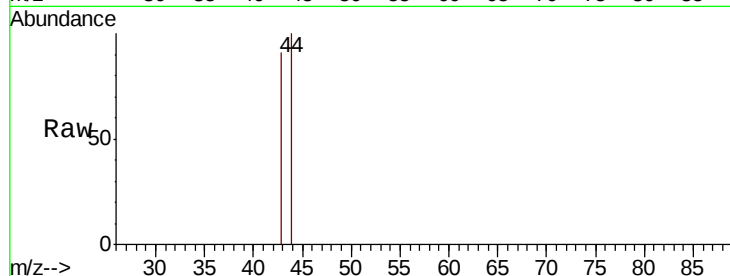




#18
Methyl Acetate
Concen: 1.424 ug/l
RT: 3.65 min Scan# 227
Delta R.T. 0.04 min
Lab File: VD062269.D
Acq: 12 May 2019 19:55

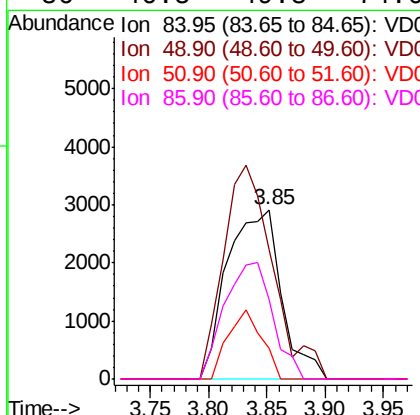
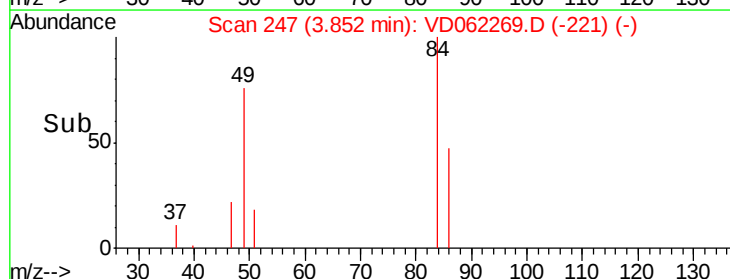
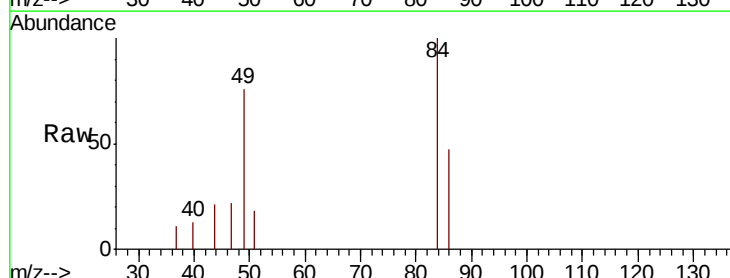
Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-0002-01

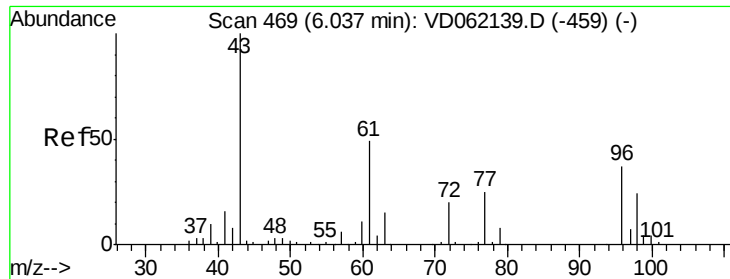
Tot Ion: 43 Resp: 2000
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 3.428 ug/l
RT: 3.85 min Scan# 247
Delta R.T. 0.06 min
Lab File: VD062269.D
Acq: 12 May 2019 19:55

Tgt Ion: 84 Resp: 9314
Ion Ratio Lower Upper
84 100
49 76.0 94.0 141.0#
51 17.8 29.0 43.4#
86 46.5 49.8 74.6#





#25

2-Butanone

Concen: 4.923 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062269.D

Acq: 12 May 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

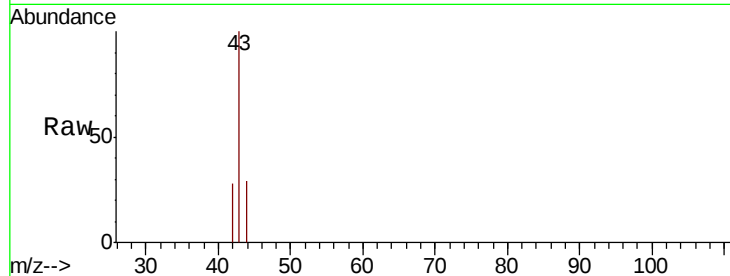
P021-SS003-0002-01

Tot Ion: 43 Resp: 3494

Ion Ratio Lower Upper

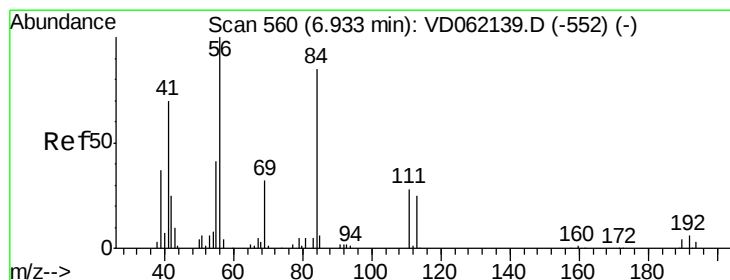
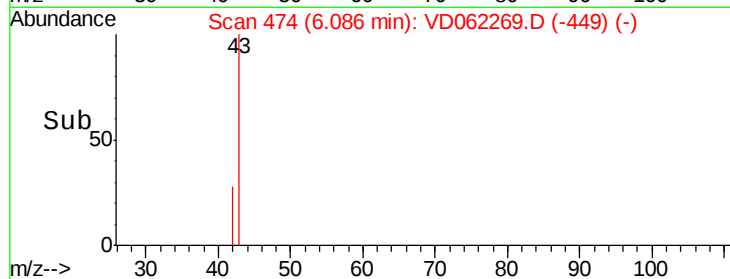
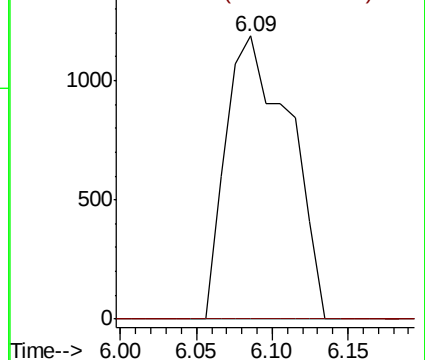
43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.049 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD062269.D

Acq: 12 May 2019 19:55

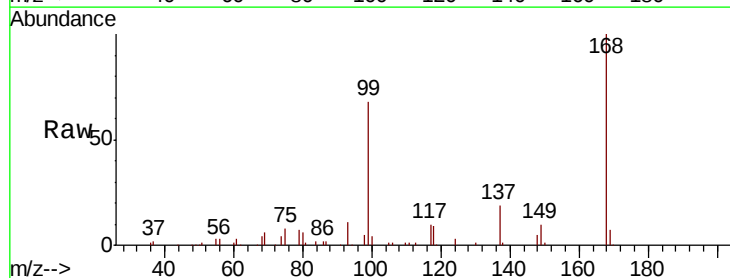
Tgt Ion: 56 Resp: 6671

Ion Ratio Lower Upper

56 100

69 240.0 25.8 38.6#

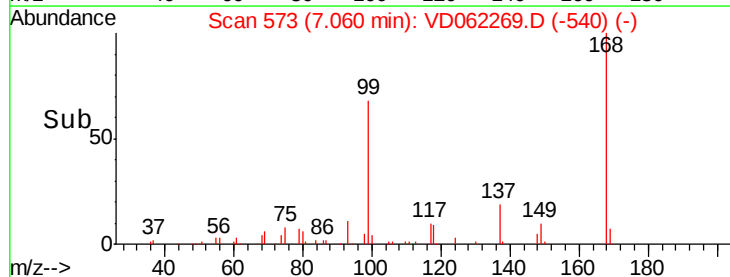
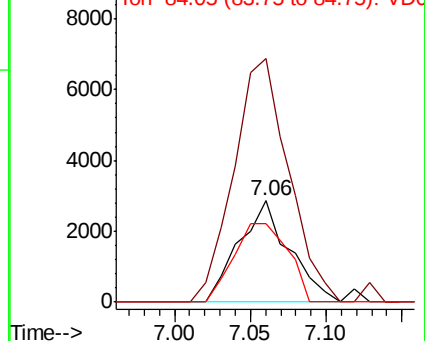
84 76.8 72.2 108.4

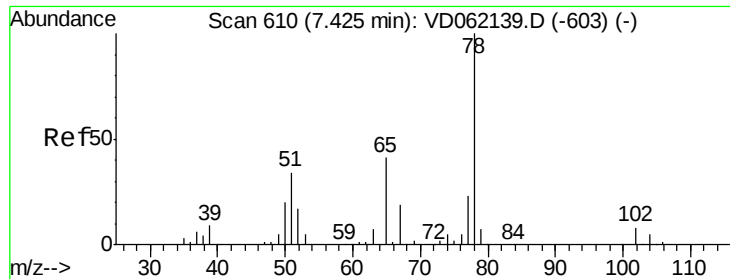


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 60.795 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062269.D

Acq: 12 May 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

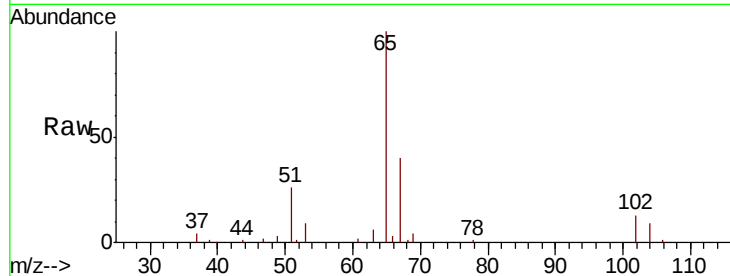
P021-SS003-0002-01

Tot Ion: 65 Resp: 188620

Ion Ratio Lower Upper

65 100

67 40.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

80000

60000

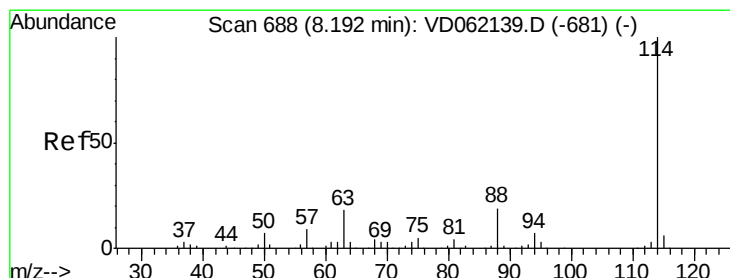
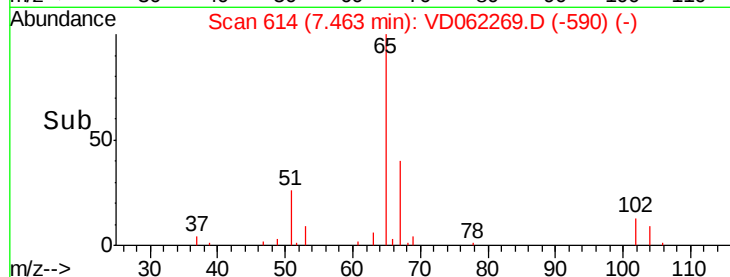
40000

20000

0

Time-->

7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062269.D

Acq: 12 May 2019 19:55

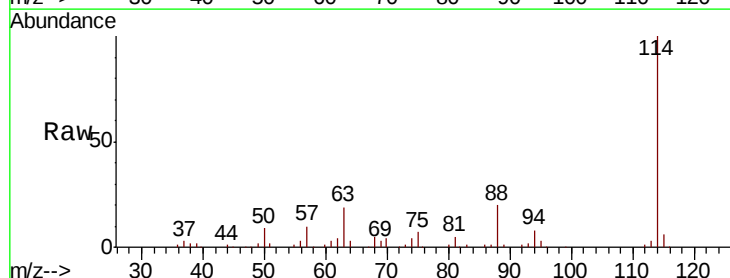
Tgt Ion: 114 Resp: 506440

Ion Ratio Lower Upper

114 100

63 19.0 0.0 32.4

88 20.0 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

250000

200000

150000

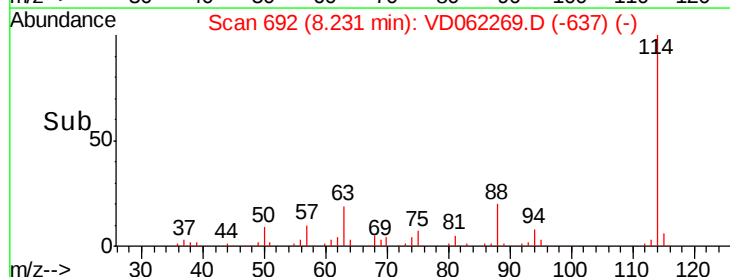
100000

50000

0

Time-->

8.10 8.20 8.30 8.40 8.50

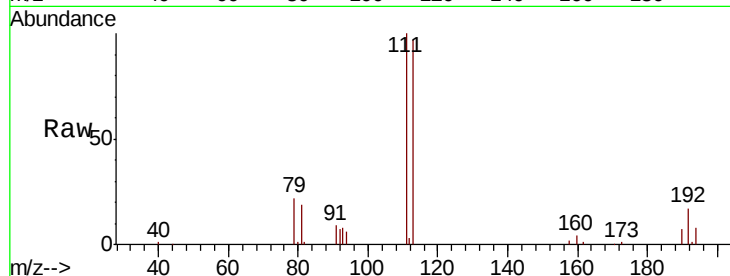




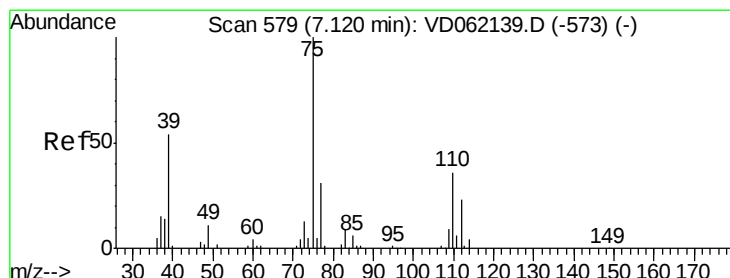
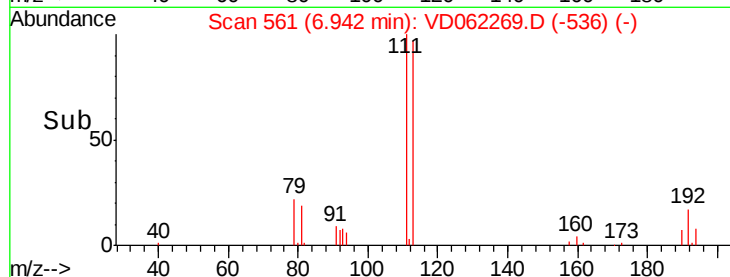
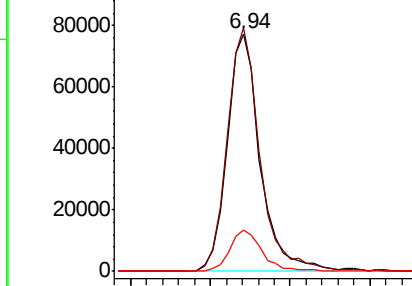
#35
 Dibromofluoromethane
 Concen: 52.867 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062269.D
 Acq: 12 May 2019 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS003-0002-01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	78.5	117.7
192	17.3	13.0	19.4

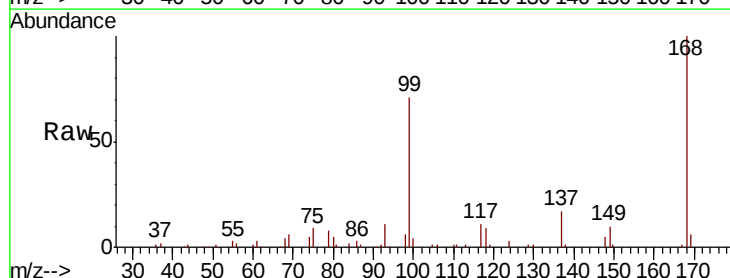


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

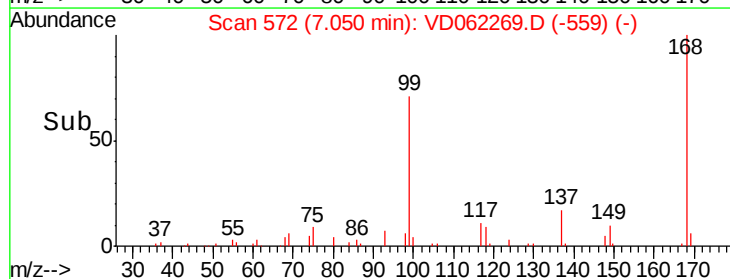
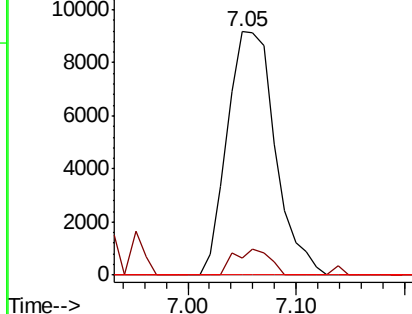


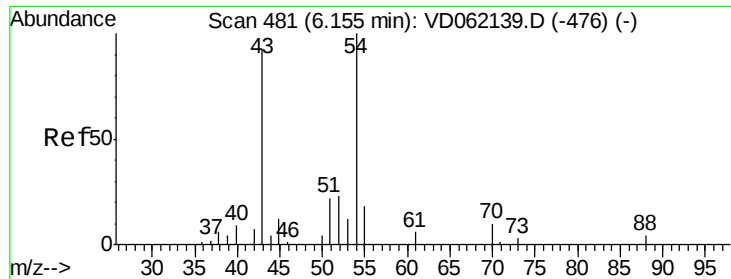
#36
 1,1-Dichloropropene
 Concen: 6.789 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.07 min
 Lab File: VD062269.D
 Acq: 12 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	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

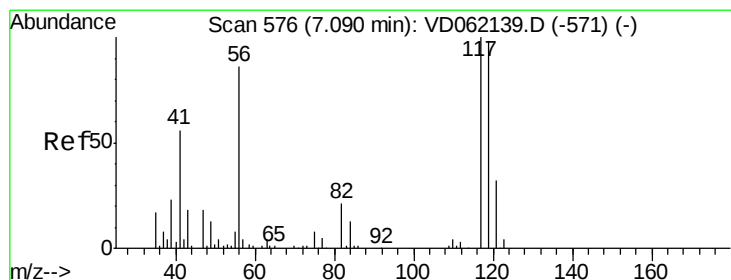
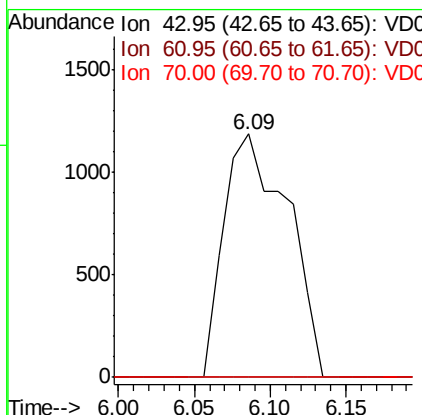
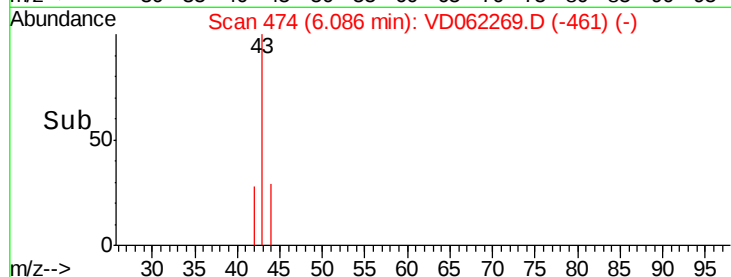
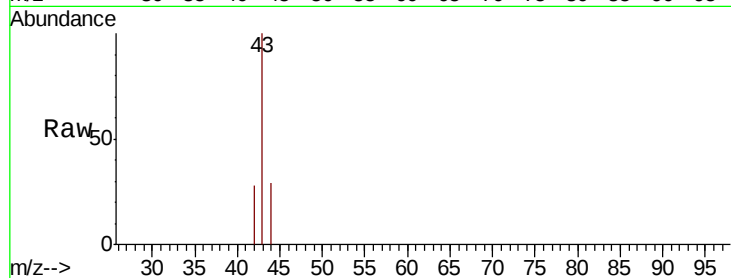




#37
Ethyl Acetate
Concen: 1.984 ug/l
RT: 6.09 min Scan# 474
Delta R.T. -0.07 min
Lab File: VD062269.D
Acq: 12 May 2019 19:55

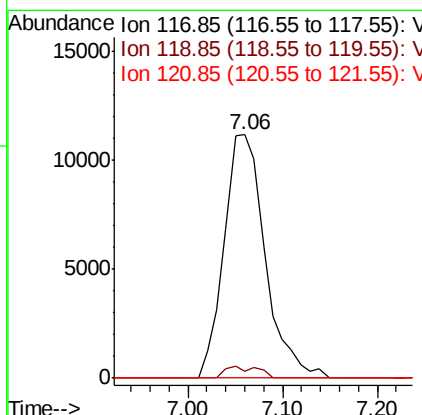
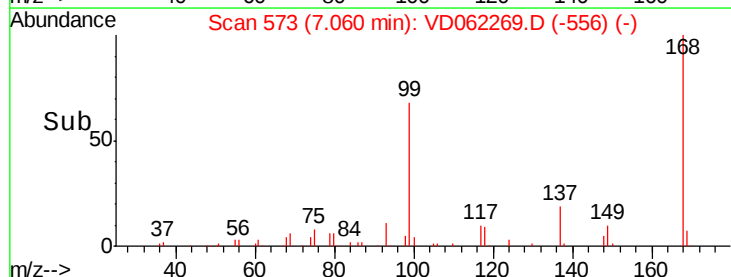
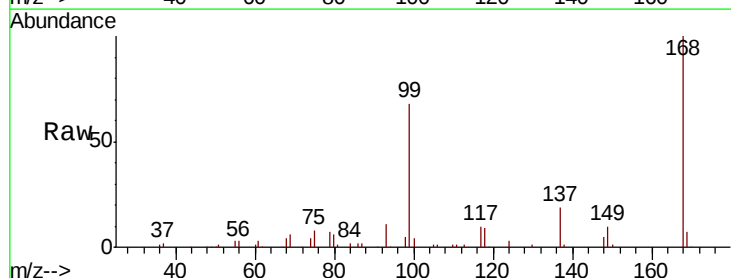
Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-0002-01

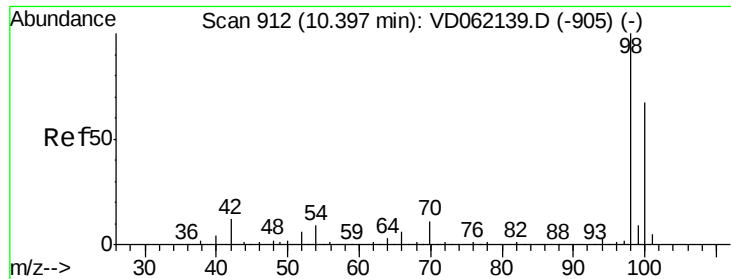
Tot Ion: 43 Resp: 3494
Ion Ratio Lower Upper
43 100
61 0.0 14.7 22.1#
70 0.0 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 5.854 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD062269.D
Acq: 12 May 2019 19:55

Tgt Ion: 117 Resp: 33642
Ion Ratio Lower Upper
117 100
119 2.8 75.8 113.8#
121 0.0 25.9 38.9#





#50

Toluene-d8

Concen: 30.959 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062269.D

Acq: 12 May 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

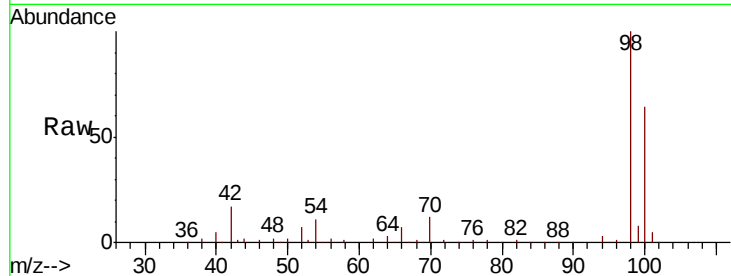
P021-SS003-0002-01

Tot Ion: 98 Resp: 313651

Ion Ratio Lower Upper

98 100

100 63.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.42

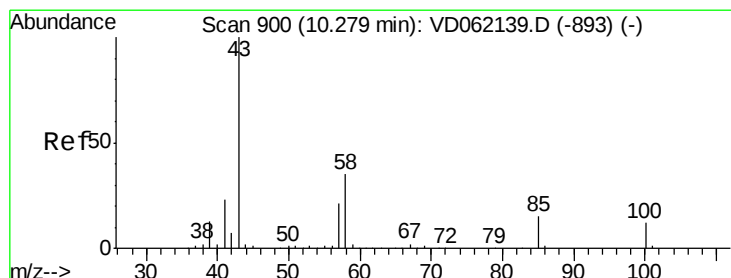
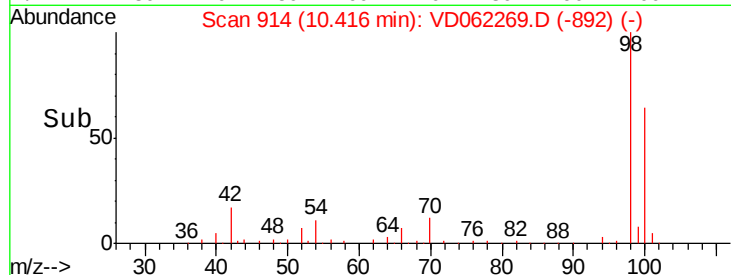
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.078 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.14 min

Lab File: VD062269.D

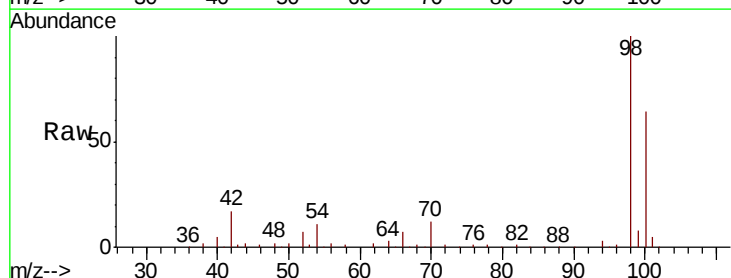
Acq: 12 May 2019 19:55

Tgt Ion: 43 Resp: 1730

Ion Ratio Lower Upper

43 100

58 105.5 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

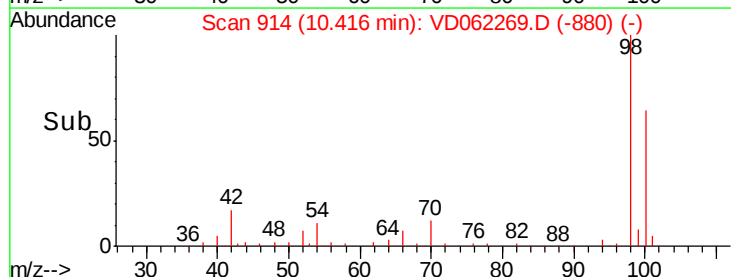
10.42

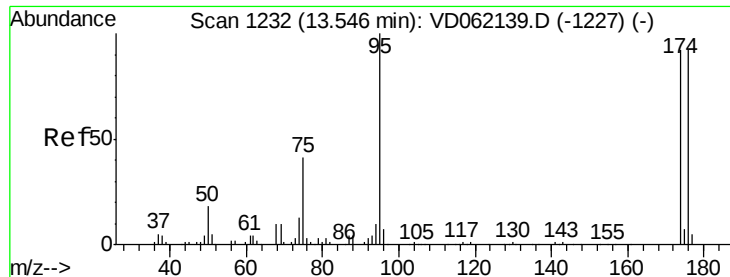
1000

500

0

Time-->

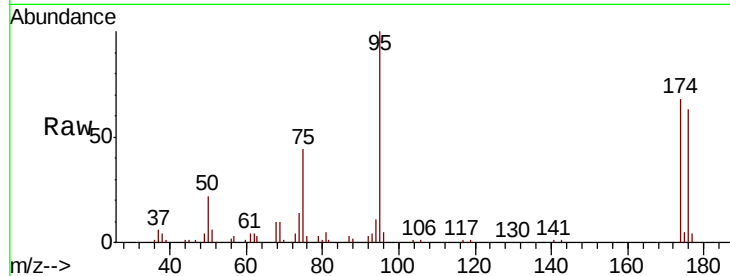




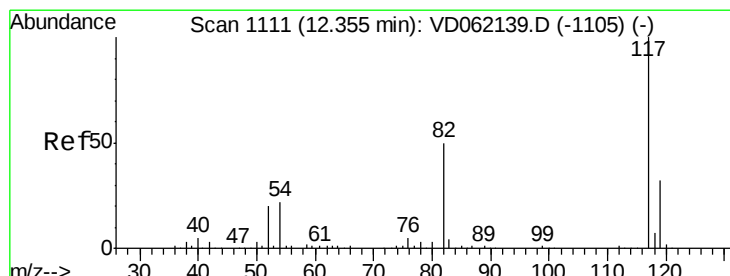
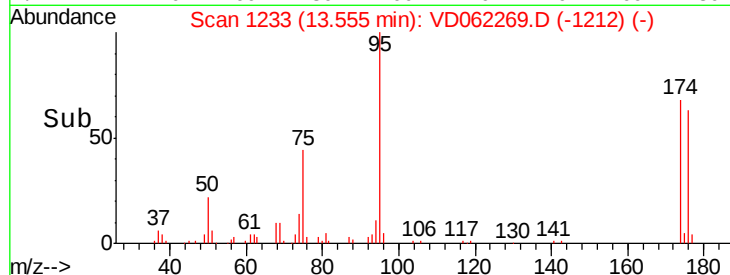
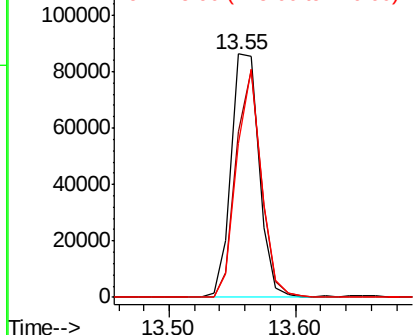
#62
4-Bromofluorobenzene
Concen: 32.400 ug/l
RT: 13.55 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062269.D
Acq: 12 May 2019 19:55

Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-0002-01

Tot Ion: 95 Resp: 131817
Ion Ratio Lower Upper
95 100
174 67.9 0.0 181.8
176 63.3 0.0 174.4

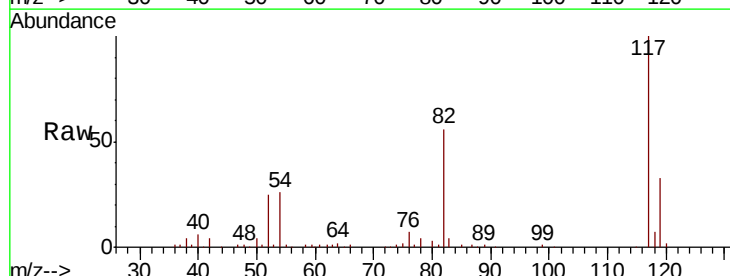


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

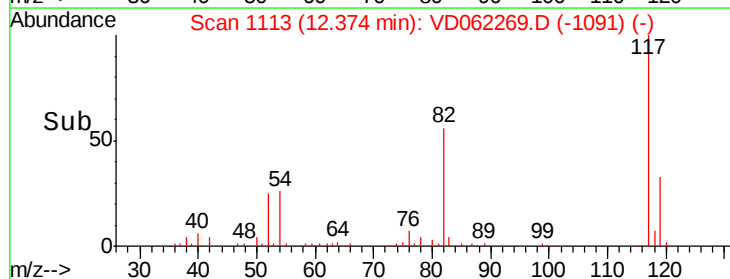
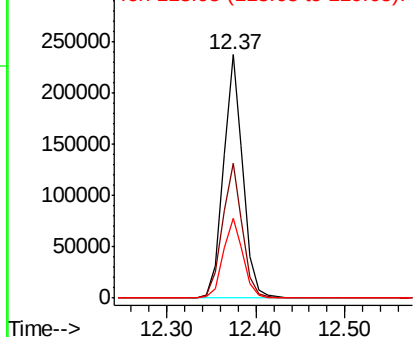


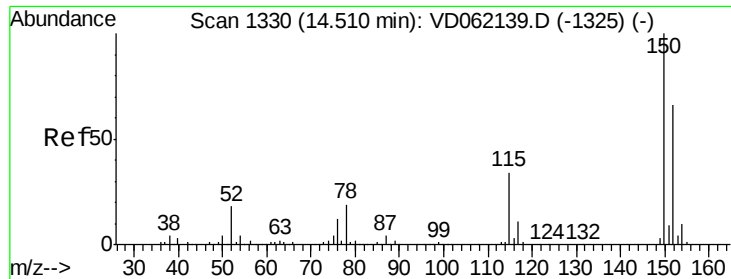
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062269.D
Acq: 12 May 2019 19:55

Tgt Ion: 117 Resp: 364398
Ion Ratio Lower Upper
117 100
82 55.5 36.2 54.2#
119 32.7 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: VD062269.D

Acq: 12 May 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

P021-SS003-0002-01

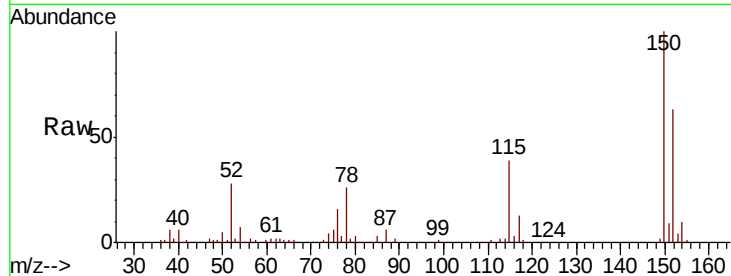
Tot Ion:152 Resp: 148171

Ion Ratio Lower Upper

152 100

115 61.8 30.9 92.7

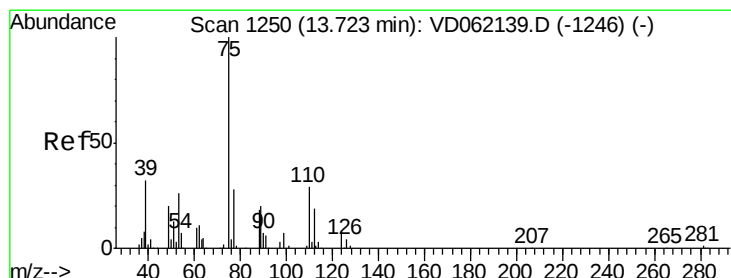
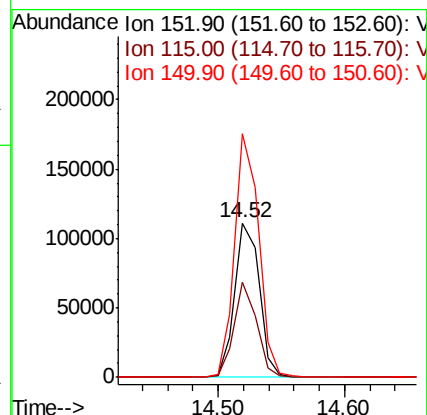
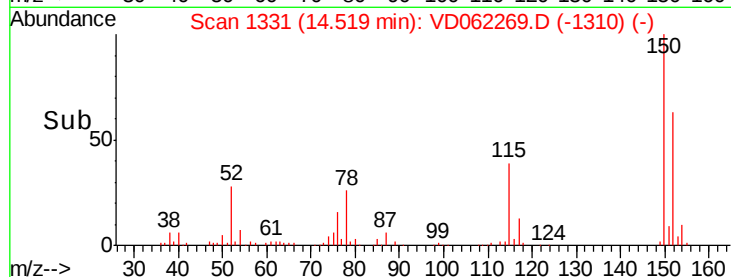
150 158.1 0.0 314.8



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: 29.552 ug/l

RT: 13.55 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062269.D

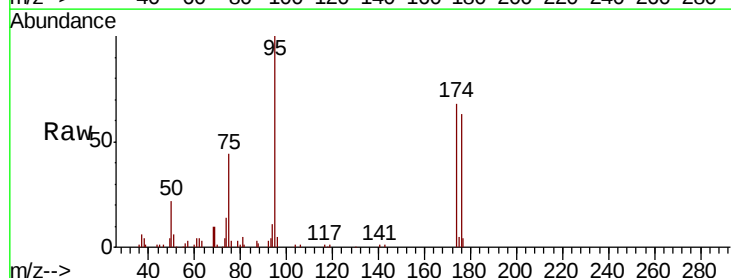
Acq: 12 May 2019 19:55

Tgt Ion: 75 Resp: 52038

Ion Ratio Lower Upper

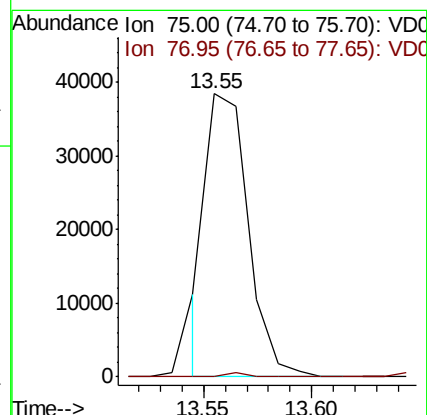
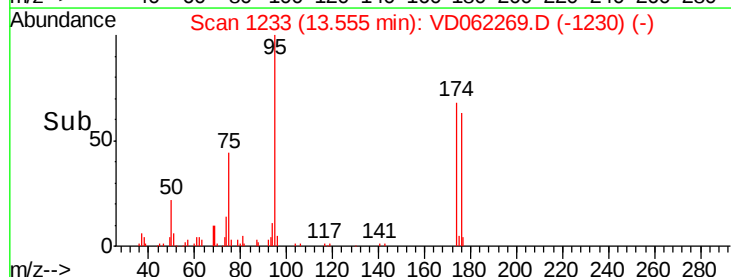
75 100

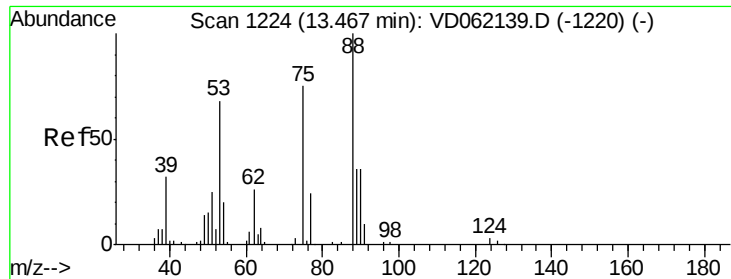
77 0.0 16.4 49.4#



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: 118.789 ug/l

RT: 13.55 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062269.D

Acq: 12 May 2019 19:55

Instrument :

MSVOA_D

ClientSampleId :

P021-SS003-0002-01

Tot Ion: 75 Resp: 59051

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

