

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062287.D
 Acq On : 13 May 2019 5:36
 Operator : FY/SY
 Sample : K2733-01RE
 Misc : 5.27g/5mL/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

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

Quant Time: May 13 08:36:53 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	513787	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	712875	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	497278	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	171876	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	261092	54.68	ug/l	0.04
Spiked Amount			Recovery	=	109.36%	
35) Dibromofluoromethane	6.94	113	282080	47.69	ug/l	0.04
Spiked Amount			Recovery	=	95.38%	
50) Toluene-d8	10.42	98	487740	34.20	ug/l	0.02
Spiked Amount			Recovery	=	68.40%	
62) 4-Bromofluorobenzene	13.56	95	174021	30.39	ug/l	0.02
Spiked Amount			Recovery	=	60.78%	

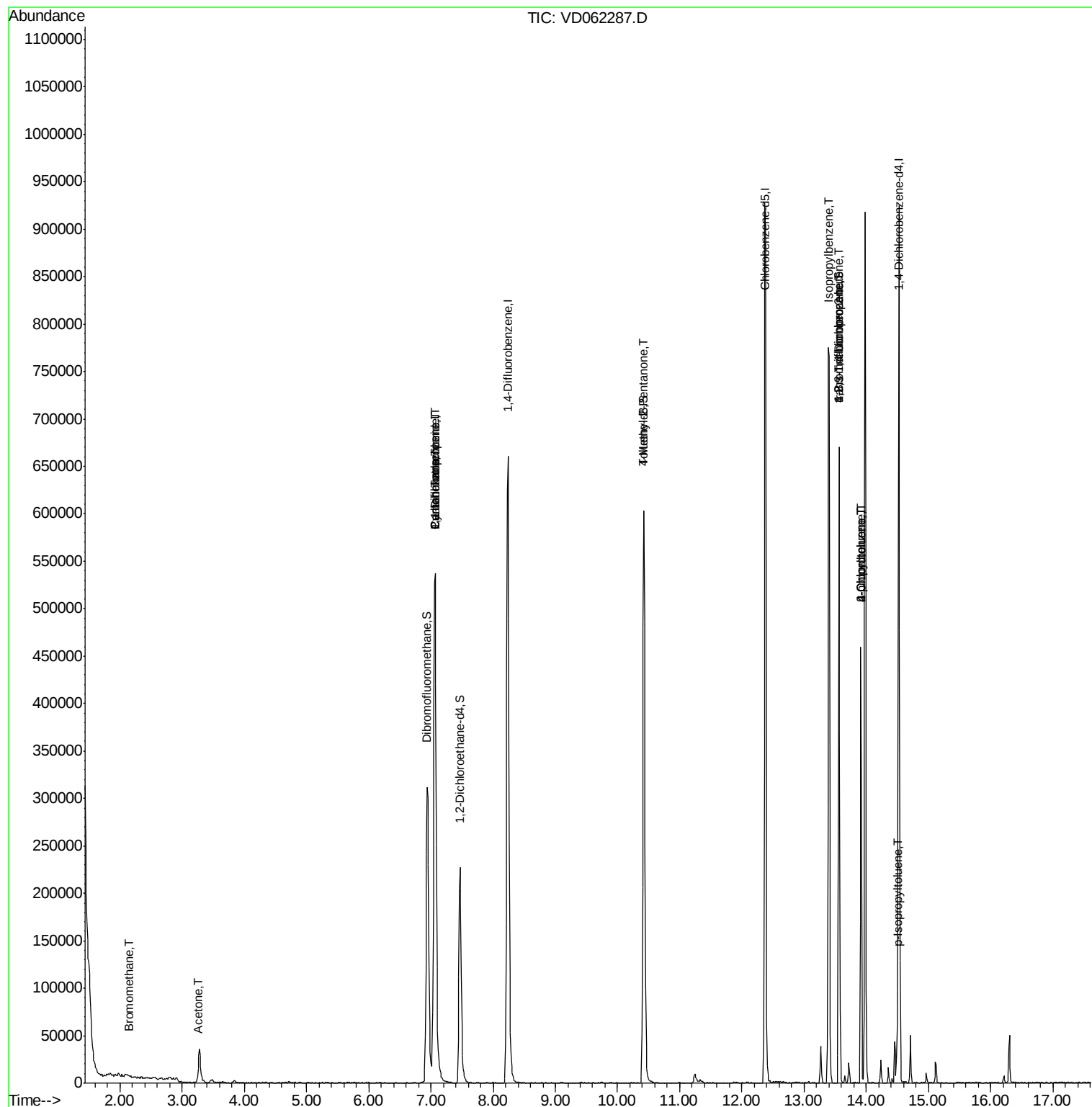
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	1177	1.439	ug/l #	12
16) Acetone	3.24	43	3202	3.198	ug/l	94
31) Cyclohexane	7.06	56	11399	2.275	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	43224	7.395	ug/l #	49
38) Carbon Tetrachloride	7.07	117	52363	6.473	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	2330	1.031	ug/l #	1
73) Isopropylbenzene	13.40	105	31854	3.092	ug/l #	61
76) 1,2,3-Trichloropropane	13.56	75	76381	37.394	ug/l #	43
78) n-propylbenzene	13.92	91	66751	5.431	ug/l #	56
79) 2-Chlorotoluene	13.92	91	71070	10.097	ug/l #	38
81) trans-1,4-Dichloro-2-buten	13.56	75	79392	137.680	ug/l #	16
82) 4-Chlorotoluene	13.92	91	71070	8.580	ug/l #	37
86) p-Isopropyltoluene	14.50	119	25488	2.668	ug/l	88

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051219\
Data File : VD062287.D
Acq On : 13 May 2019 5:36
Operator : FY/SY
Sample : K2733-01RE
Misc : 5.27g/5mL/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

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

Quant Time: May 13 08:36:53 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: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062287.D

Acq: 13 May 2019 5:36

Instrument :

MSVOA_D

ClientSampleId :

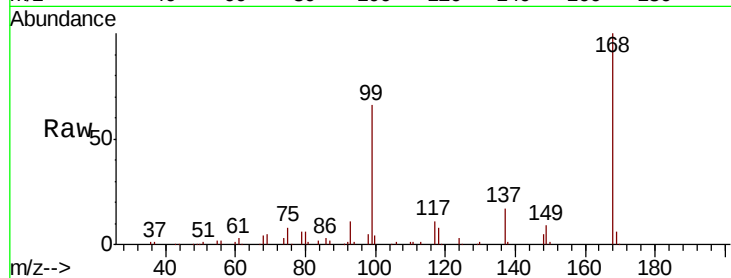
P021-SS001-0002-01RE

Tot Ion:168 Resp: 513787

Ion Ratio Lower Upper

168 100

99 65.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

200000

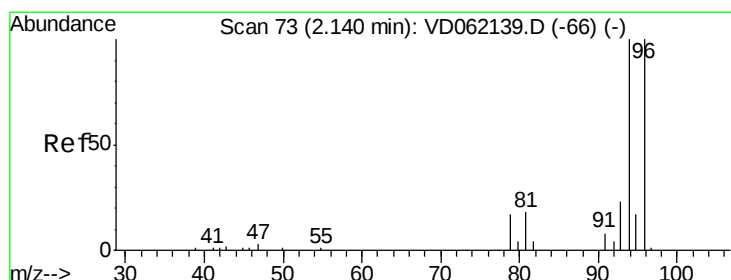
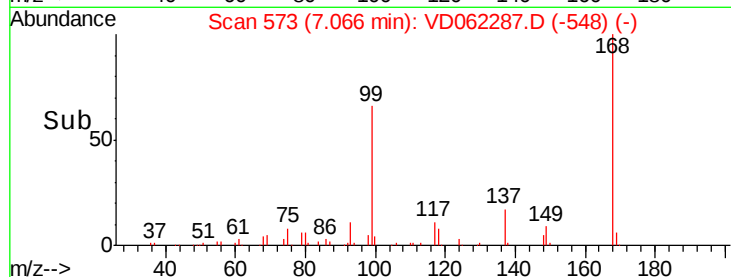
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.439 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD062287.D

Acq: 13 May 2019 5:36

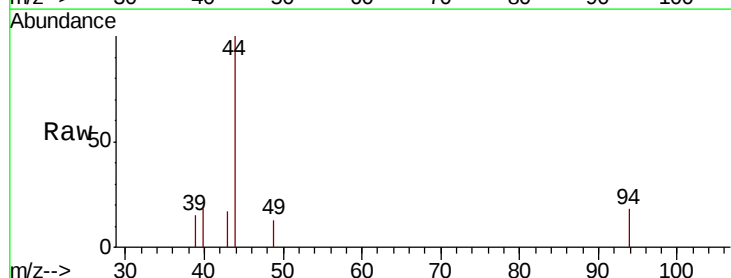
Tgt Ion: 94 Resp: 1177

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

2.16

1000

800

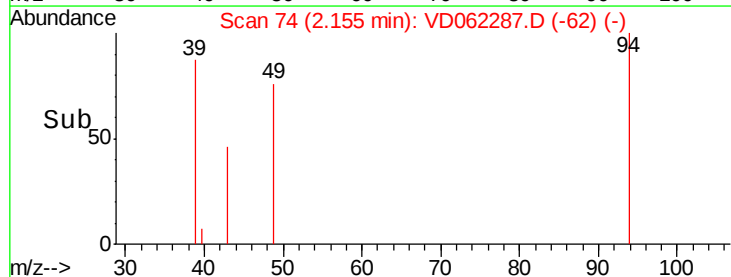
600

400

200

0

Time--> 2.14 2.16 2.18 2.20

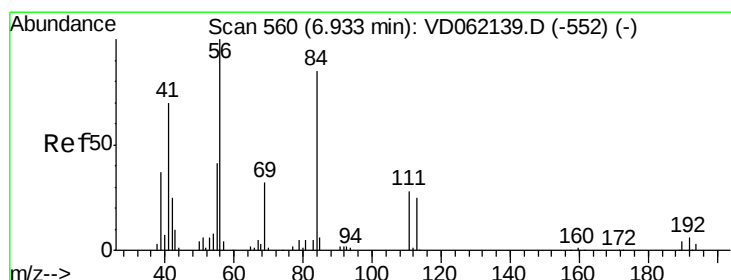
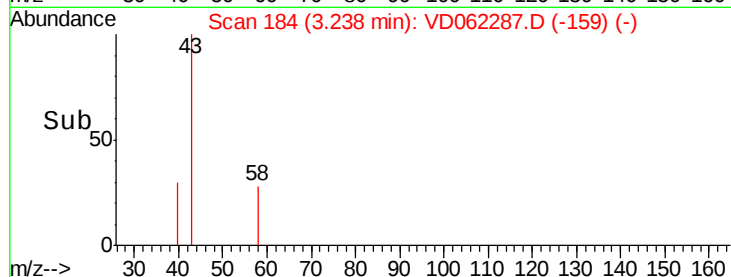
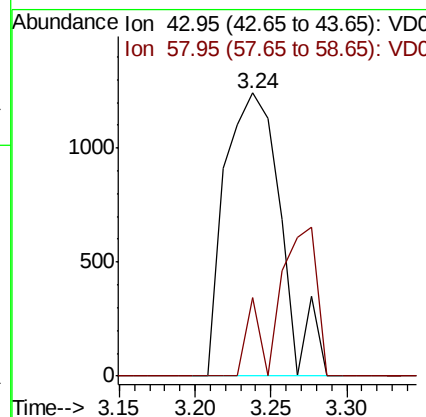
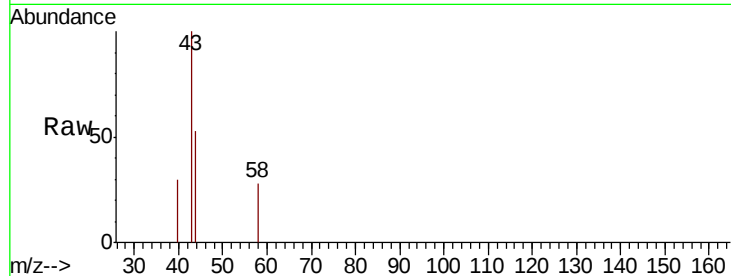




#16
Acetone
Concen: 3.198 ug/l
RT: 3.24 min Scan# 184
Delta R.T. 0.04 min
Lab File: VD062287.D
Acq: 13 May 2019 5:36

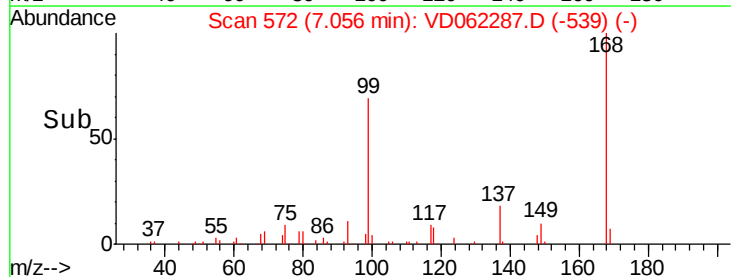
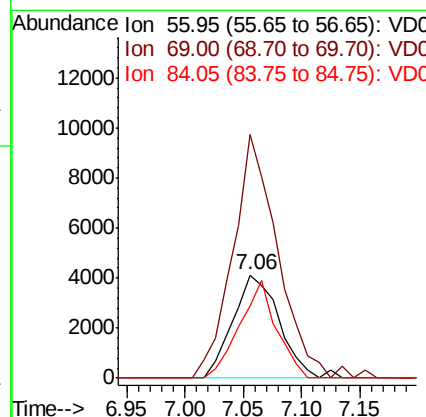
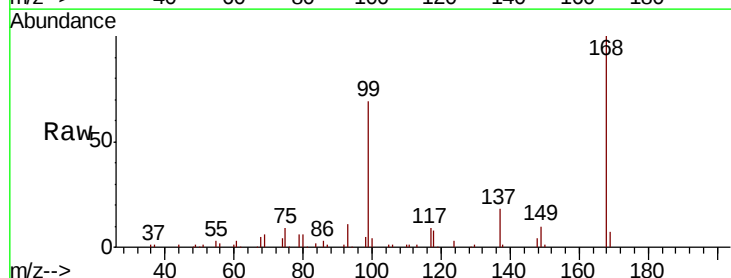
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01RE

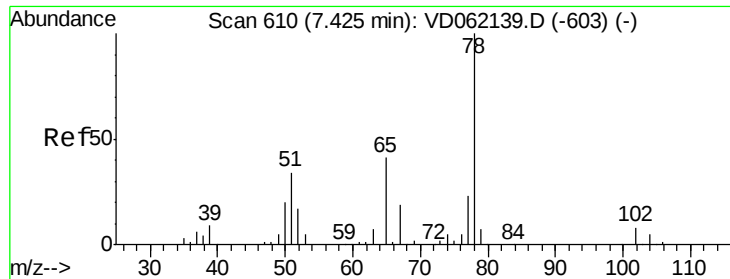
Tot Ion: 43 Resp: 3202
Ion Ratio Lower Upper
43 100
58 27.7 19.9 29.9



#31
Cyclohexane
Concen: 2.275 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD062287.D
Acq: 13 May 2019 5:36

Tgt Ion: 56 Resp: 11399
Ion Ratio Lower Upper
56 100
69 236.8 25.8 38.6#
84 70.5 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 54.683 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062287.D

Acq: 13 May 2019 5:36

Instrument :

MSVOA_D

ClientSampleId :

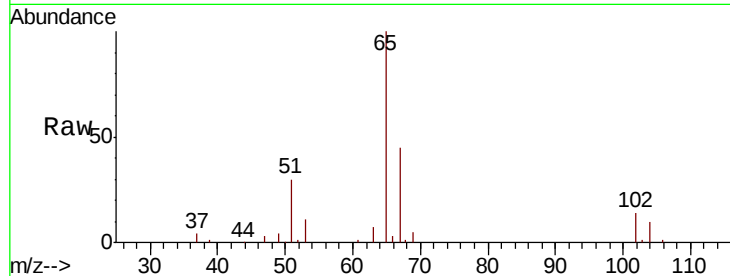
P021-SS001-0002-01RE

Tot Ion: 65 Resp: 261092

Ion Ratio Lower Upper

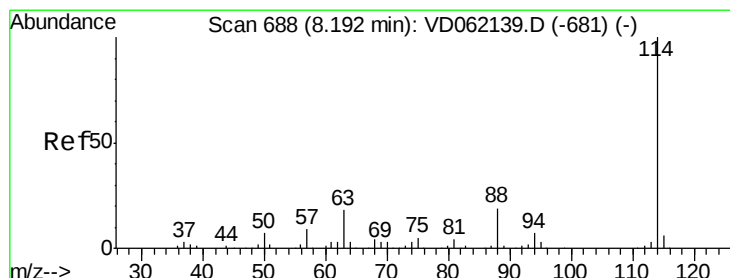
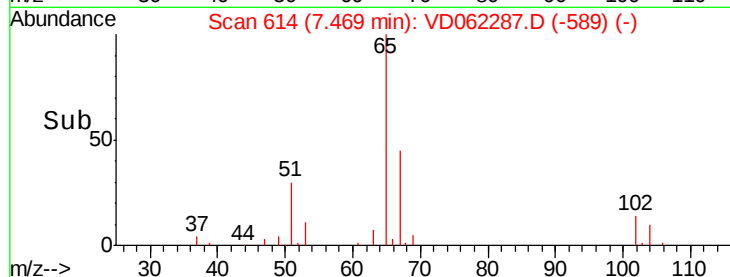
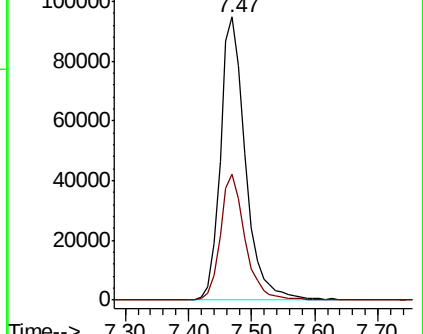
65 100

67 44.7 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: 8.24 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062287.D

Acq: 13 May 2019 5:36

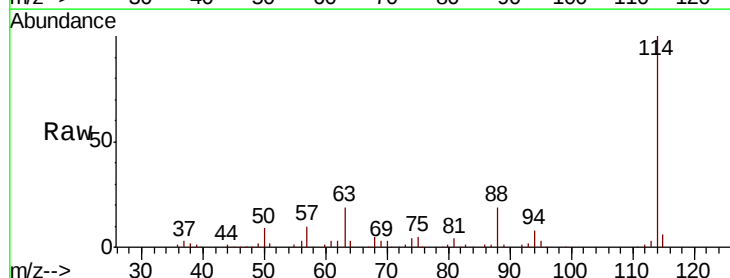
Tgt Ion: 114 Resp: 712875

Ion Ratio Lower Upper

114 100

63 18.6 0.0 32.4

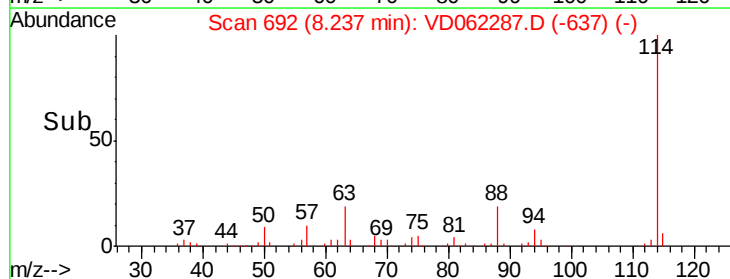
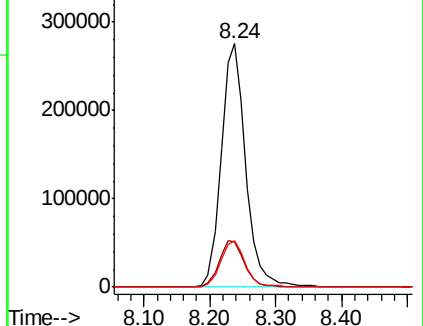
88 19.2 0.0 33.6



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: 47.690 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062287.D

Acq: 13 May 2019 5:36

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-01RE

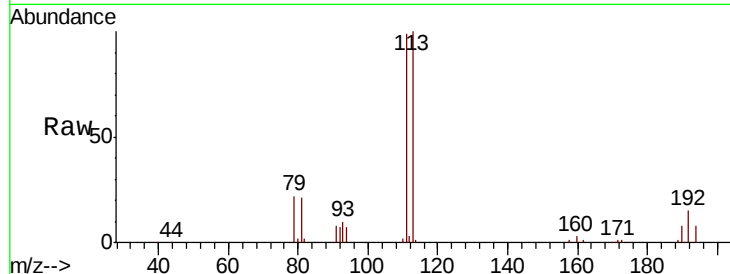
Tot Ion:113 Resp: 282080

Ion Ratio Lower Upper

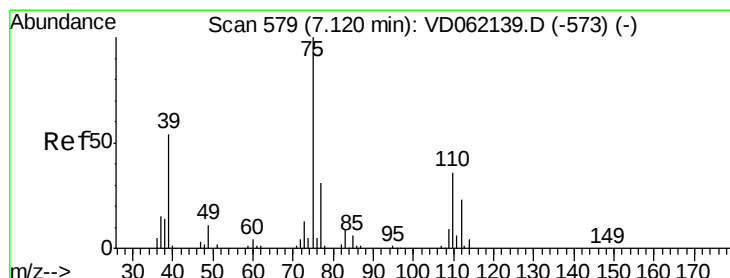
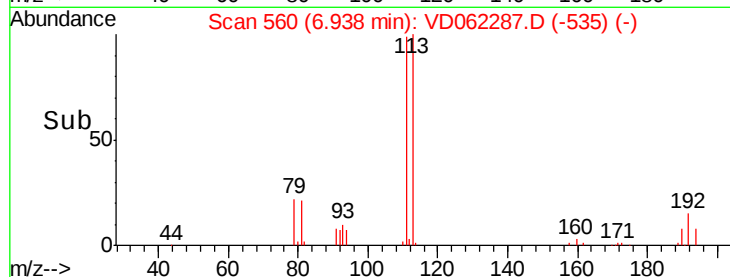
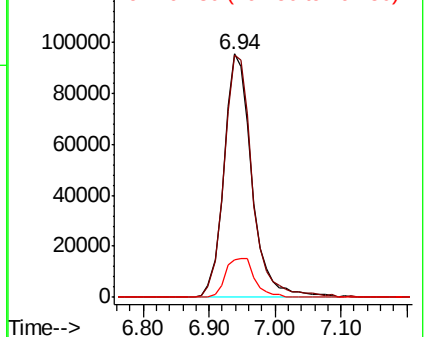
113 100

111 99.4 78.5 117.7

192 15.5 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: 7.395 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062287.D

Acq: 13 May 2019 5:36

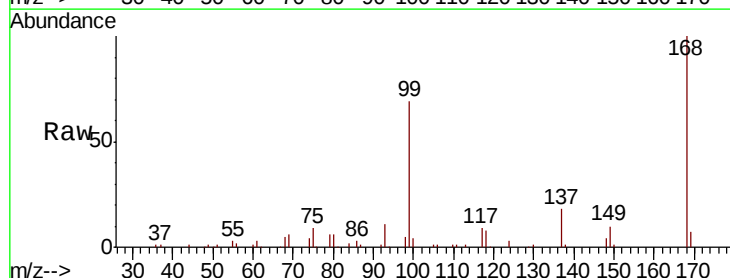
Tgt Ion: 75 Resp: 43224

Ion Ratio Lower Upper

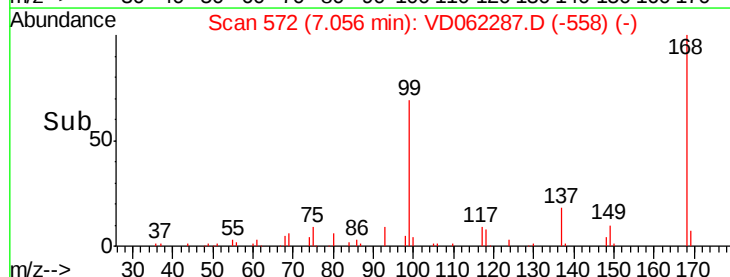
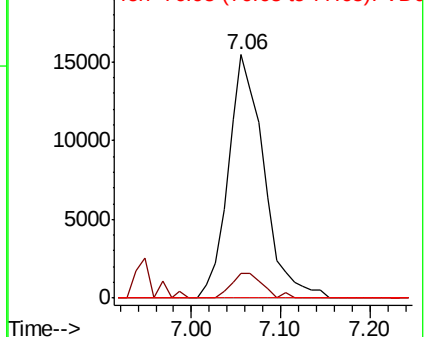
75 100

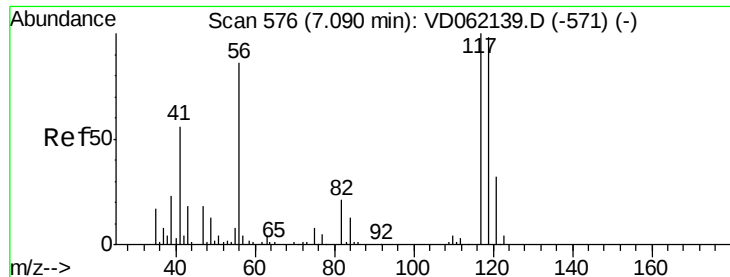
110 10.3 19.1 57.1#

77 0.0 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

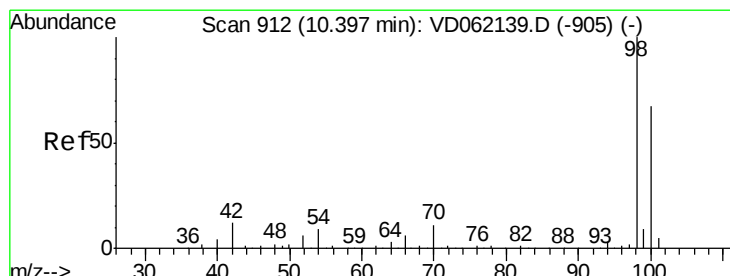
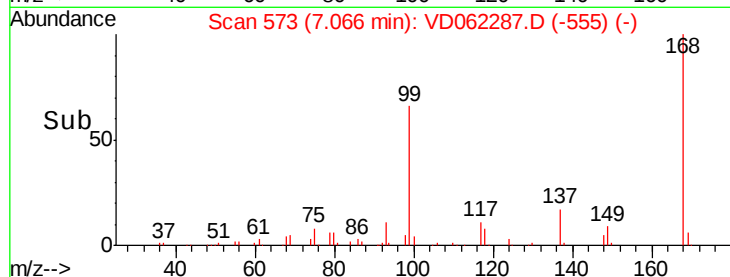
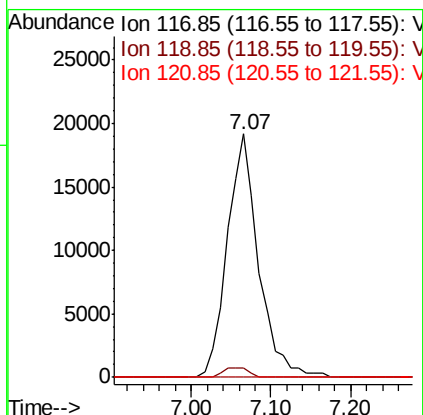
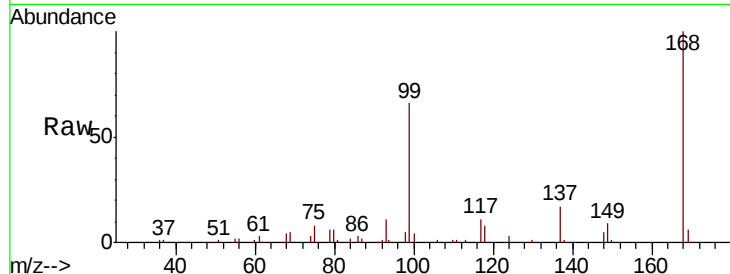




#38
Carbon Tetrachloride
Concen: 6.473 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.02 min
Lab File: VD062287.D
Acq: 13 May 2019 5:36

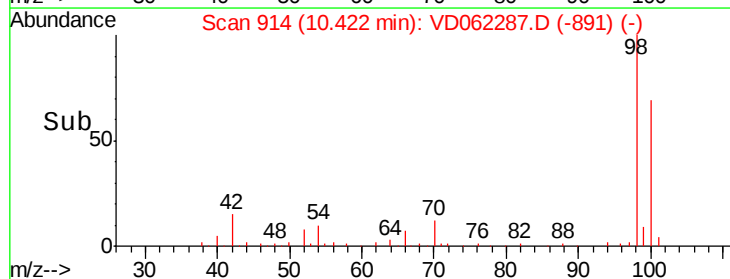
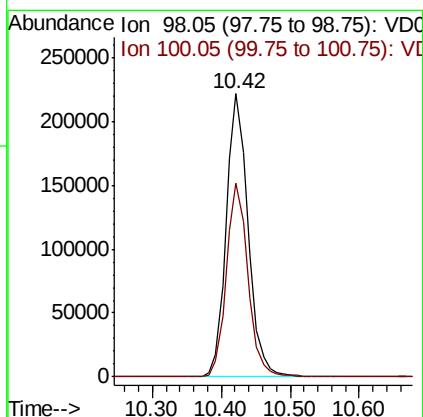
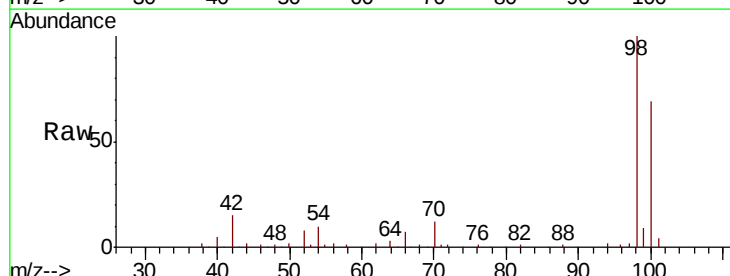
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01RE

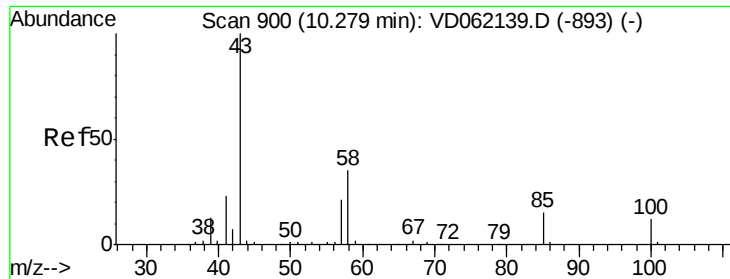
Tot Ion:117 Resp: 52363
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 34.201 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062287.D
Acq: 13 May 2019 5:36

Tgt Ion: 98 Resp: 487740
Ion Ratio Lower Upper
98 100
100 68.5 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 1.031 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.13 min

Lab File: VD062287.D

Acq: 13 May 2019 5:36

Instrument :

MSVOA_D

ClientSampleId :

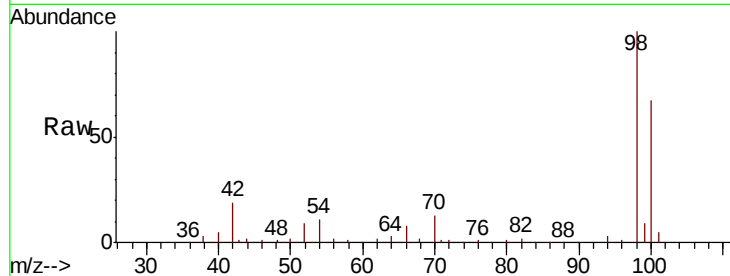
P021-SS001-0002-01RE

Tot Ion: 43 Resp: 2330

Ion Ratio Lower Upper

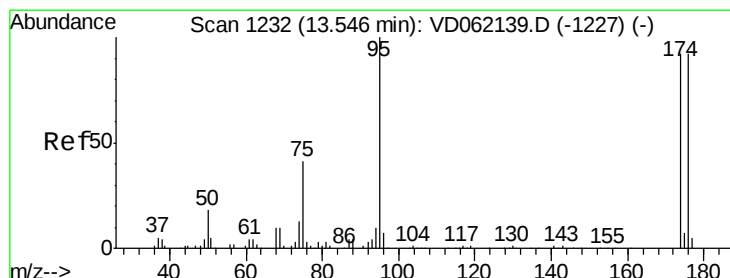
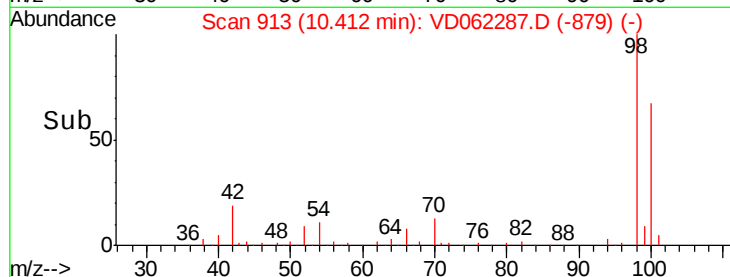
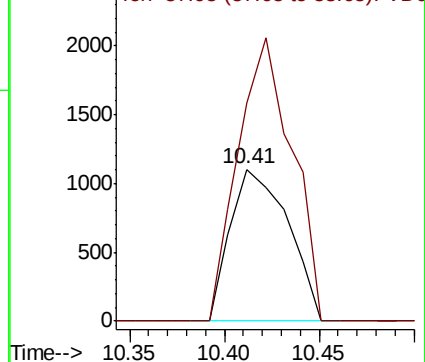
43 100

58 143.6 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 30.388 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062287.D

Acq: 13 May 2019 5:36

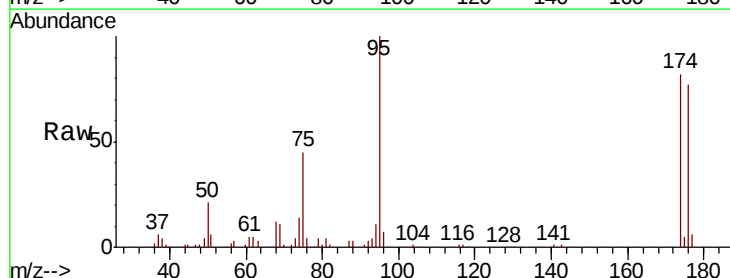
Tgt Ion: 95 Resp: 174021

Ion Ratio Lower Upper

95 100

174 82.2 0.0 181.8

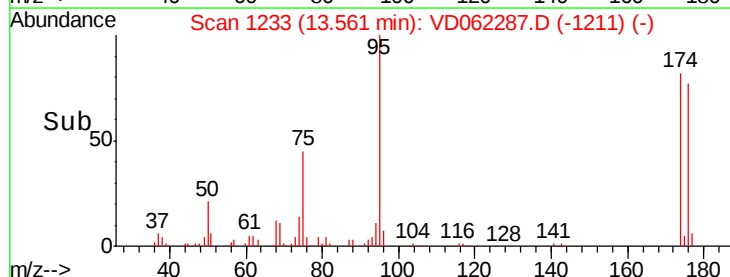
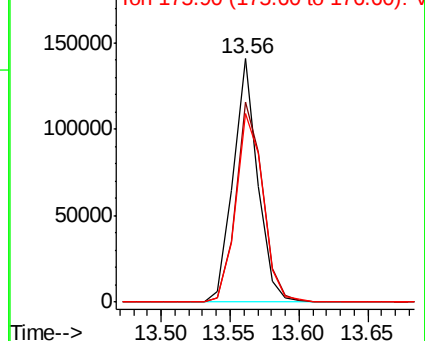
176 77.3 0.0 174.4

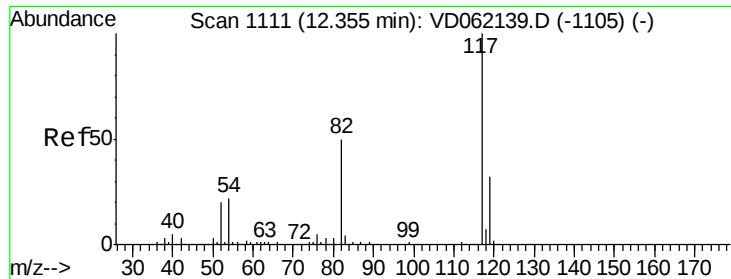


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

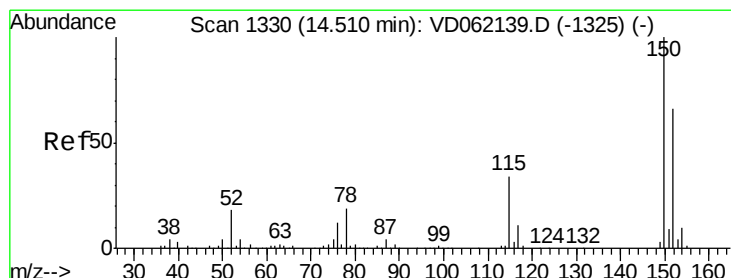
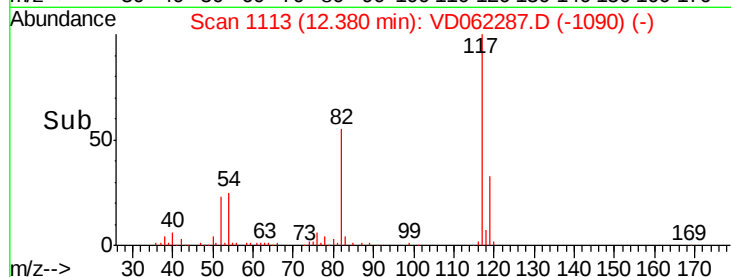
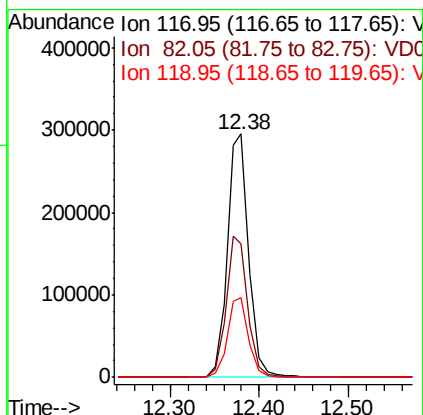
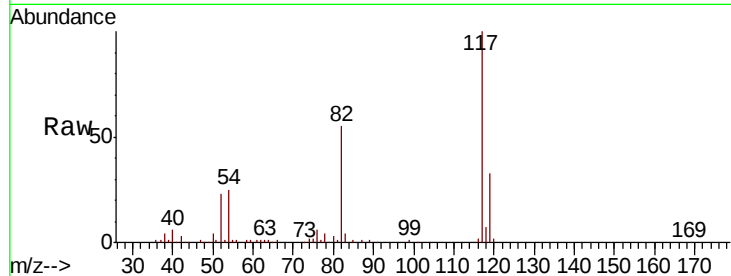




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062287.D
Acq: 13 May 2019 5:36

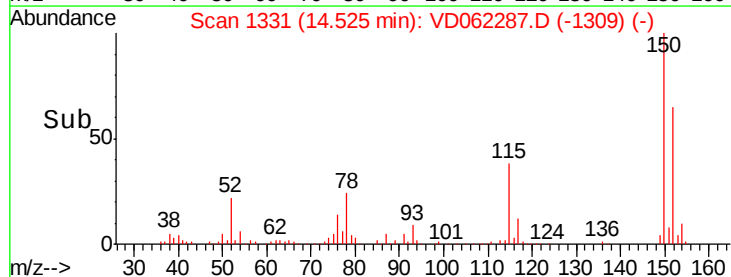
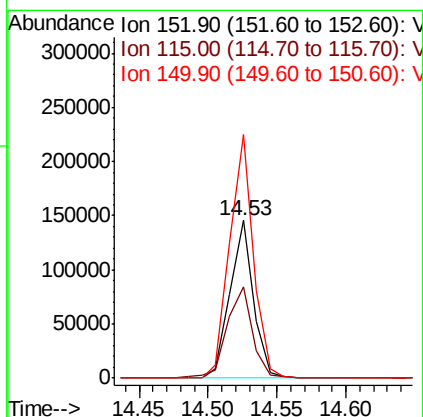
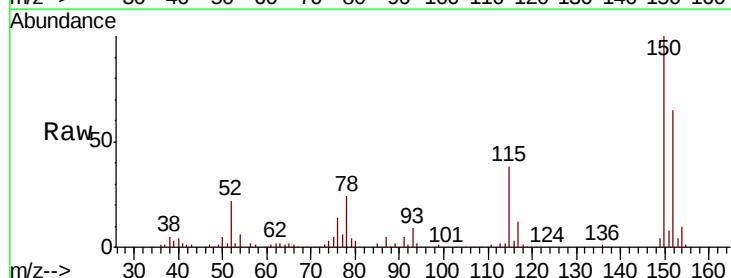
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01RE

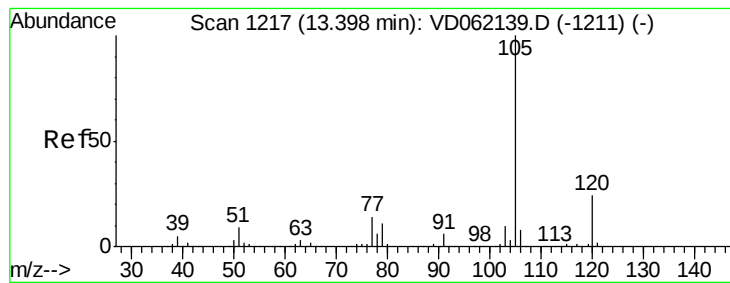
Tot Ion:117 Resp: 497278
Ion Ratio Lower Upper
117 100
82 54.7 36.2 54.2#
119 32.7 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD062287.D
Acq: 13 May 2019 5:36

Tgt Ion:152 Resp: 171876
Ion Ratio Lower Upper
152 100
115 58.3 30.9 92.7
150 154.8 0.0 314.8





#73

Isopropylbenzene

Concen: 3.092 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD062287.D

Acq: 13 May 2019 5:36

Instrument :

MSVOA_D

ClientSampleId :

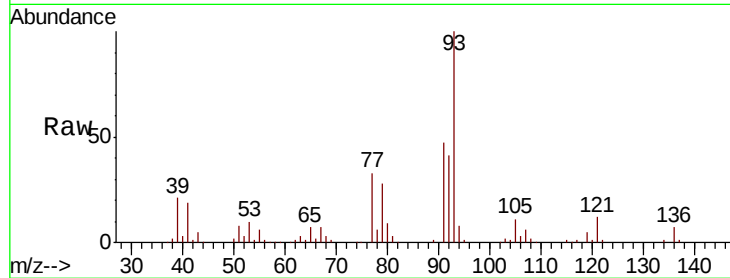
P021-SS001-0002-01RE

Tot Ion: 105 Resp: 31854

Ion Ratio Lower Upper

105 100

120 5.0 12.0 36.1#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

20000

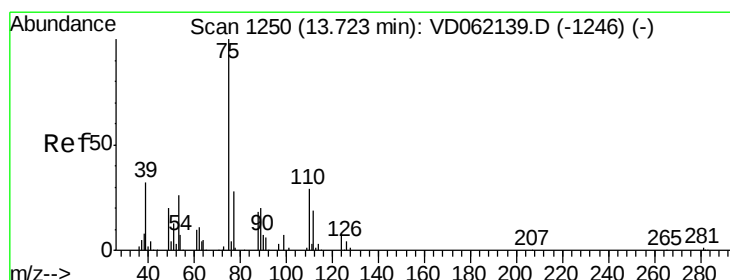
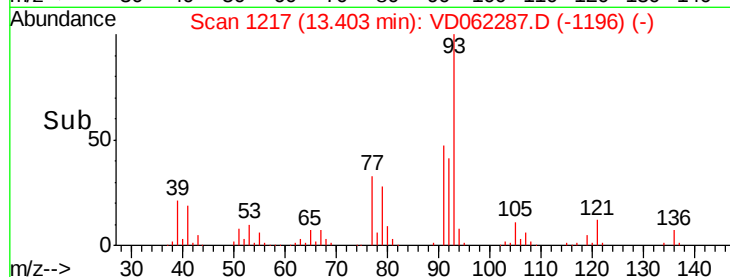
15000

10000

5000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 37.394 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062287.D

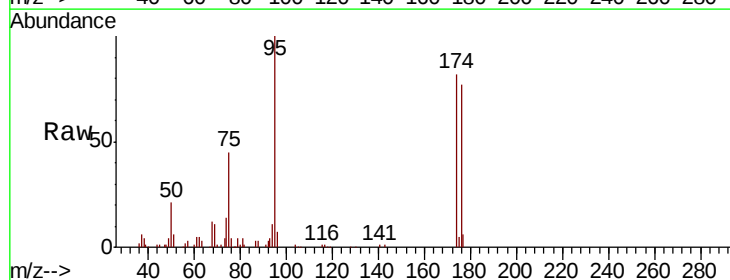
Acq: 13 May 2019 5:36

Tgt Ion: 75 Resp: 76381

Ion Ratio Lower Upper

75 100

77 1.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

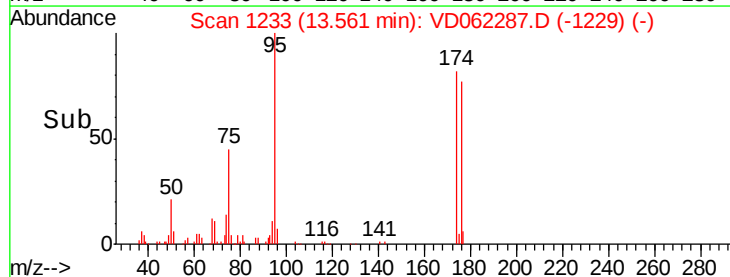
60000

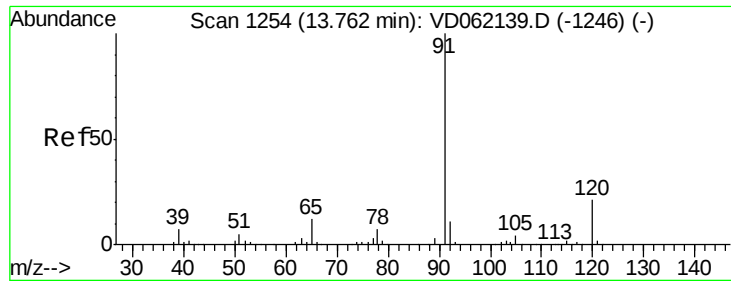
40000

20000

0

Time-->





#78

n-propylbenzene

Concen: 5.431 ug/l

RT: 13.92 min Scan# 1269

Delta R.T. 0.15 min

Lab File: VD062287.D

Acq: 13 May 2019 5:36

Instrument :

MSVOA_D

ClientSampleId :

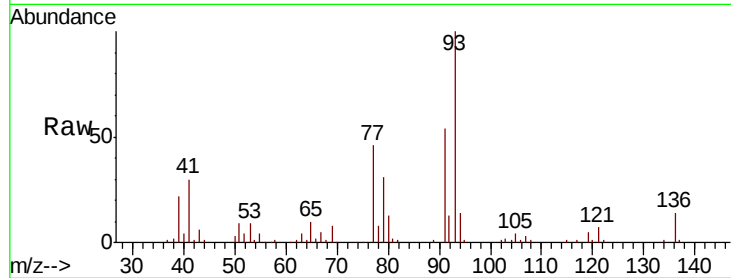
P021-SS001-0002-01RE

Tot Ion: 91 Resp: 66751

Ion Ratio Lower Upper

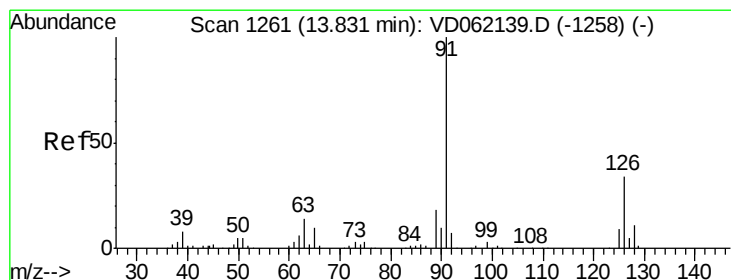
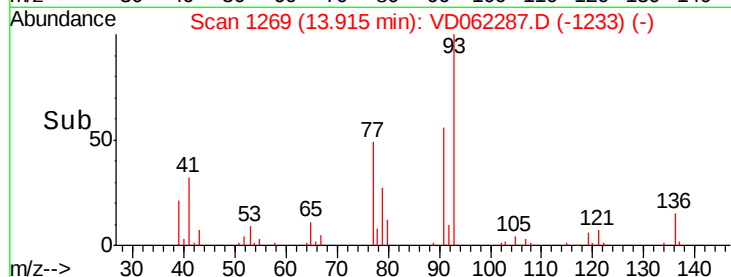
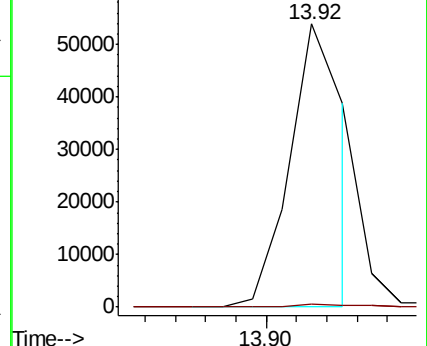
91 100

120 1.1 11.1 33.1#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 10.097 ug/l

RT: 13.92 min Scan# 1269

Delta R.T. 0.08 min

Lab File: VD062287.D

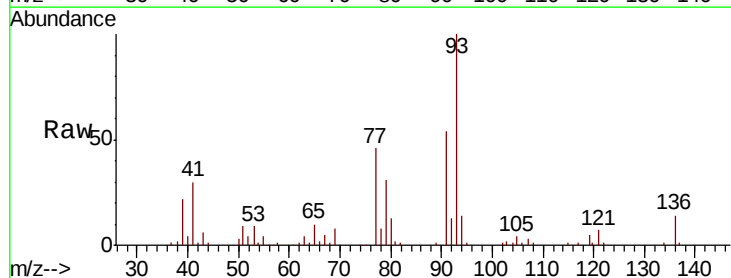
Acq: 13 May 2019 5:36

Tgt Ion: 91 Resp: 71070

Ion Ratio Lower Upper

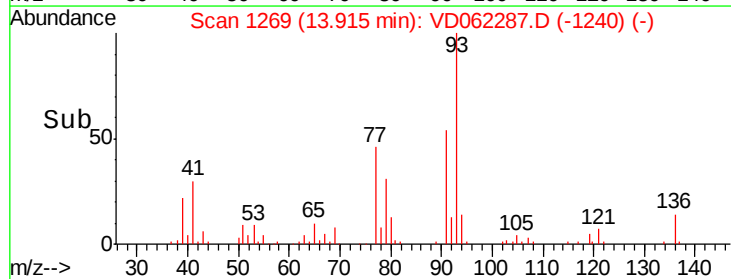
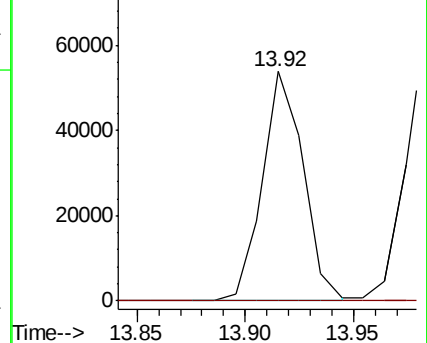
91 100

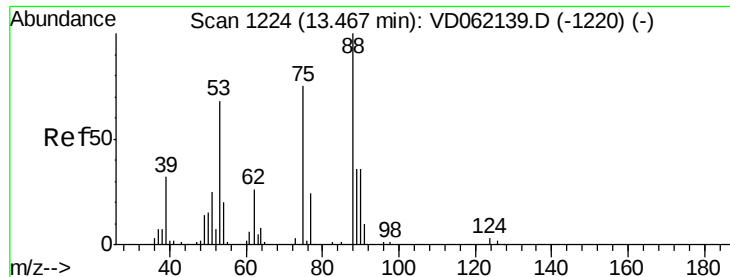
126 0.0 18.6 55.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

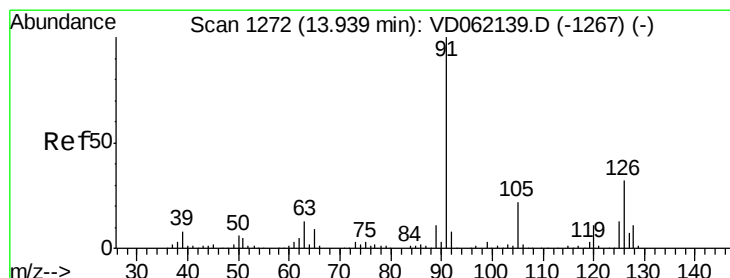
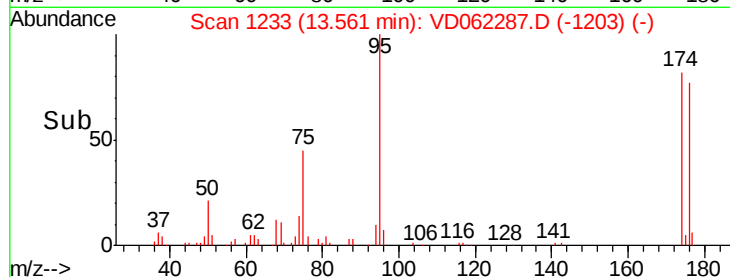
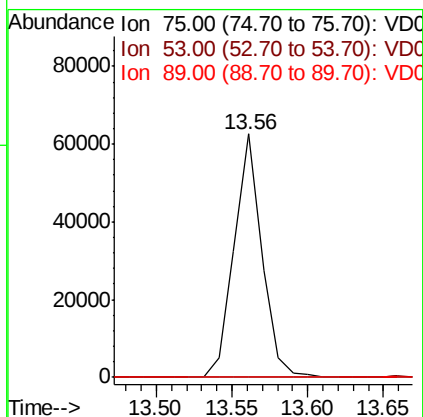
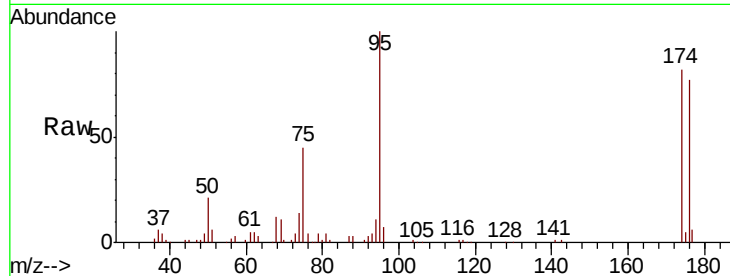




#81
trans-1,4-Dichloro-2-butene
Concen: 137.680 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.09 min
Lab File: VD062287.D
Acq: 13 May 2019 5:36

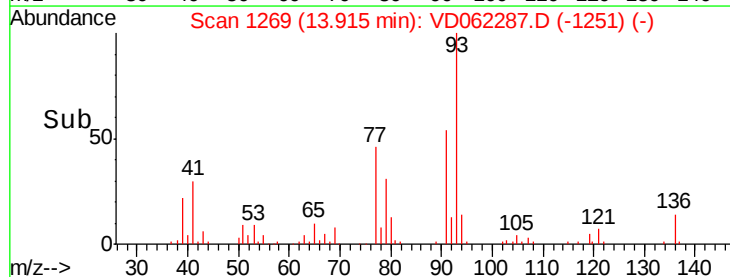
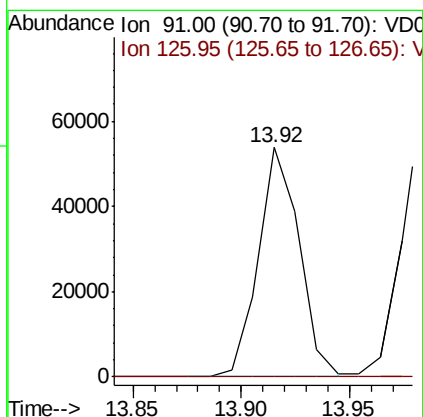
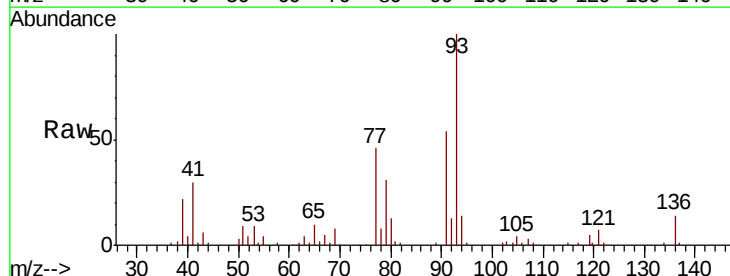
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-01RE

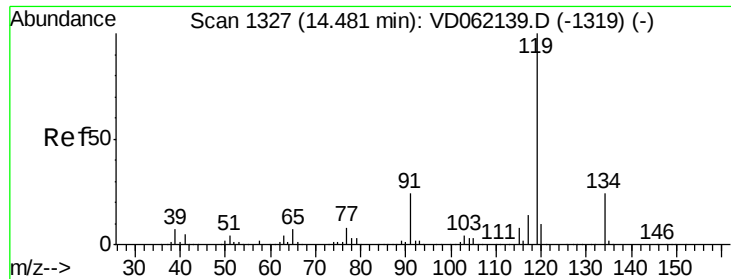
Tot Ion: 75 Resp: 79392
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#



#82
4-Chlorotoluene
Concen: 8.580 ug/l
RT: 13.92 min Scan# 1269
Delta R.T. -0.02 min
Lab File: VD062287.D
Acq: 13 May 2019 5:36

Tgt Ion: 91 Resp: 71070
Ion Ratio Lower Upper
91 100
126 0.0 19.1 57.5#





#86
 p-Isopropyltoluene
 Concen: 2.668 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.02 min
 Lab File: VD062287.D
 Acq: 13 May 2019 5:36

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

Tot Ion:	119	Resp:	25488
Ion	Ratio	Lower	Upper
119	100		
134	19.8	12.8	38.3
91	27.6	10.7	32.1

