

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062289.D
 Acq On : 13 May 2019 6:32
 Operator : FY/SY
 Sample : K2733-04RE
 Misc : 5.80g/5mL/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-02RE

Quant Time: May 13 08:37:10 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	522390	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	717043	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	435849	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	149040	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	243483	50.15	ug/l	0.05
Spiked Amount 50.000			Recovery	=	100.30%	
35) Dibromofluoromethane	6.94	113	283831	47.71	ug/l	0.05
Spiked Amount 50.000			Recovery	=	95.42%	
50) Toluene-d8	10.43	98	481409	33.56	ug/l	0.03
Spiked Amount 50.000			Recovery	=	67.12%	
62) 4-Bromofluorobenzene	13.57	95	157586	27.36	ug/l	0.02
Spiked Amount 50.000			Recovery	=	54.72%	

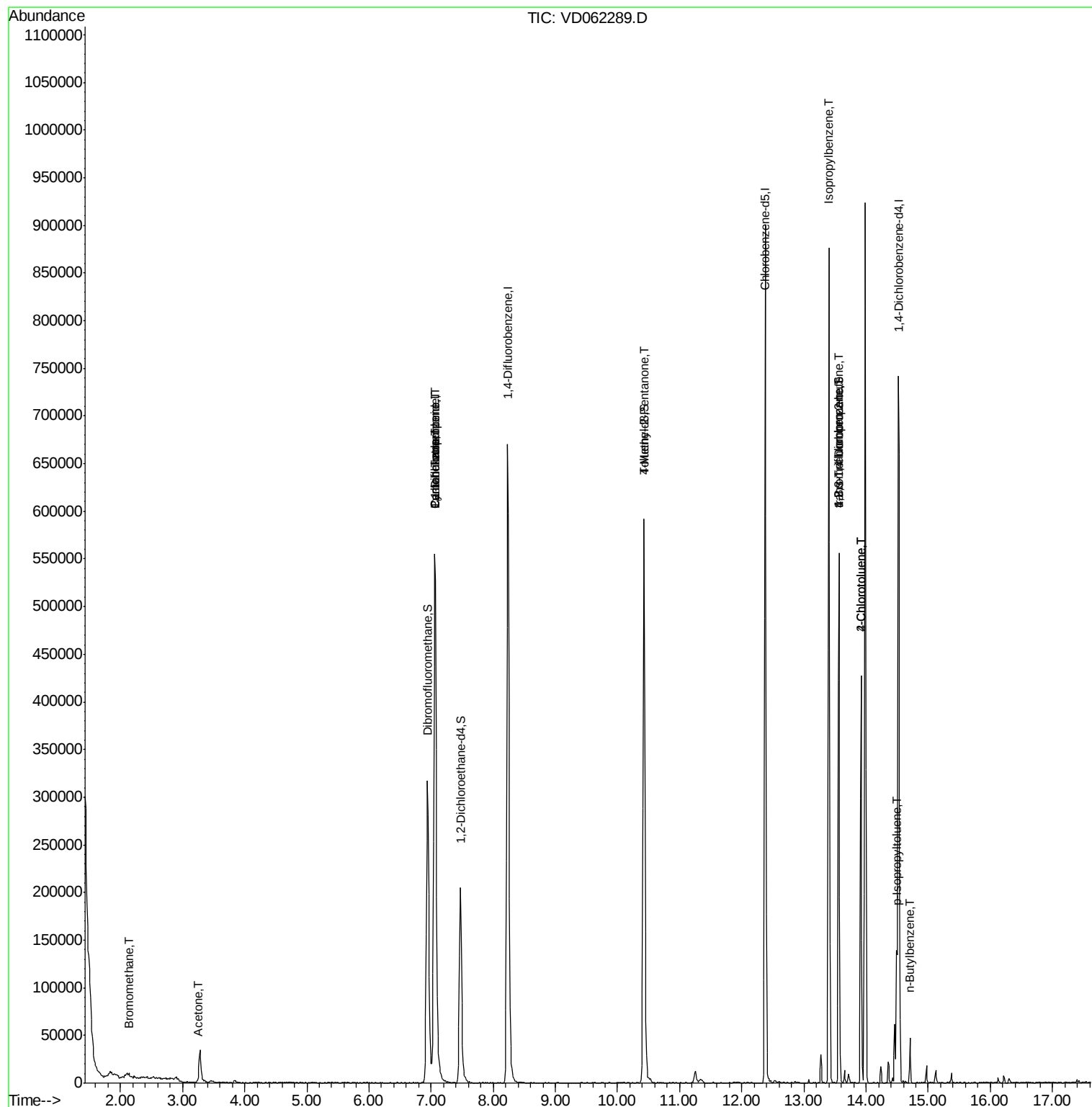
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	959	1.154	ug/l #	12
16) Acetone	3.23	43	2206	2.167	ug/l #	50
31) Cyclohexane	7.06	56	11307	2.220	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	43728	7.438	ug/l #	46
38) Carbon Tetrachloride	7.06	117	55741	6.850	ug/l #	15
51) 4-Methyl-2-Pentanone	10.43	43	2902	1.277	ug/l #	1
73) Isopropylbenzene	13.40	105	33264	3.723	ug/l #	61
76) 1,2,3-Trichloropropane	13.57	75	64704	36.531	ug/l #	44
79) 2-Chlorotoluene	13.92	91	68056	11.150	ug/l #	38
81) trans-1,4-Dichloro-2-buten	13.57	75	71048	142.089	ug/l #	16
82) 4-Chlorotoluene	13.92	91	68056	9.475	ug/l #	37
86) p-Isopropyltoluene	14.49	119	72572	8.761	ug/l	86
89) n-Butylbenzene	14.71	91	7544	1.015	ug/l #	67

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051219\
Data File : VD062289.D
Acq On : 13 May 2019 6:32
Operator : FY/SY
Sample : K2733-04RE
Misc : 5.80µ/5mL/MSVOA D/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-02RE

Quant Time: May 13 08:37:10 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# 574

Delta R.T. 0.05 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

Instrument :

MSVOA_D

ClientSampleId :

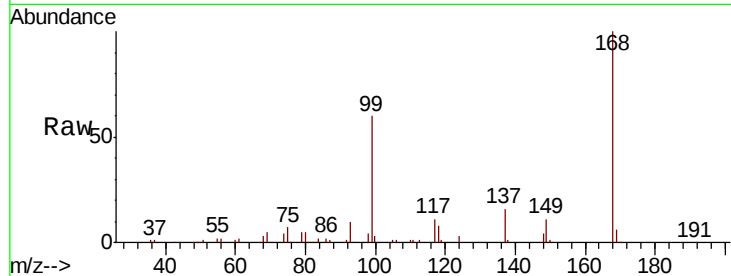
P021-SS001-0002-02RE

Tot Ion:168 Resp: 522390

Ion Ratio Lower Upper

168 100

99 59.6 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

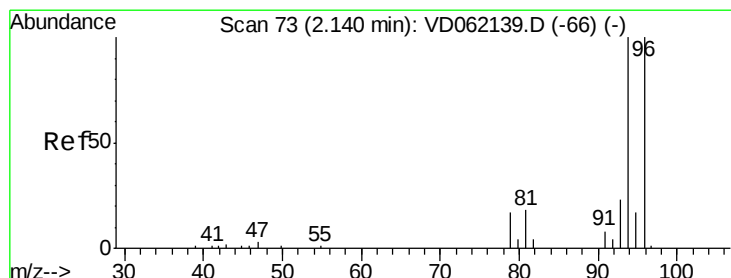
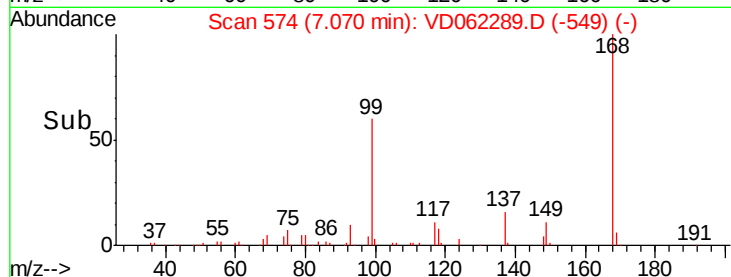
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.154 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

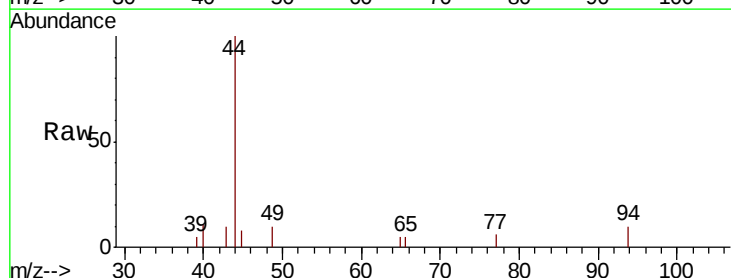
Tgt Ion: 94 Resp: 959

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

800

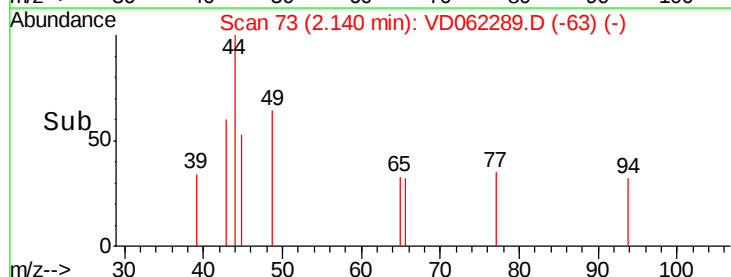
600

400

200

0

Time--> 2.12 2.14 2.16 2.18

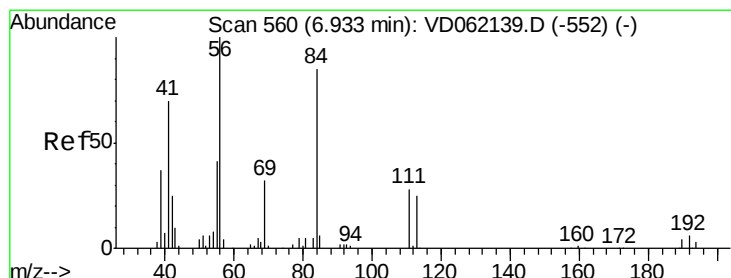
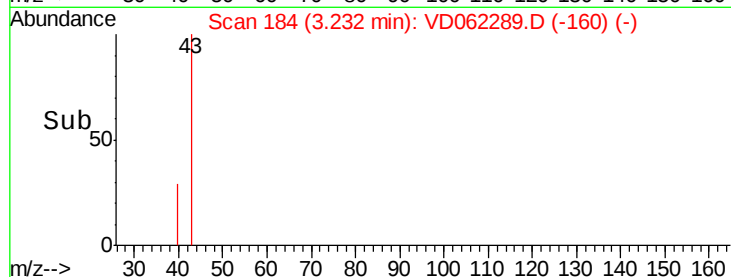
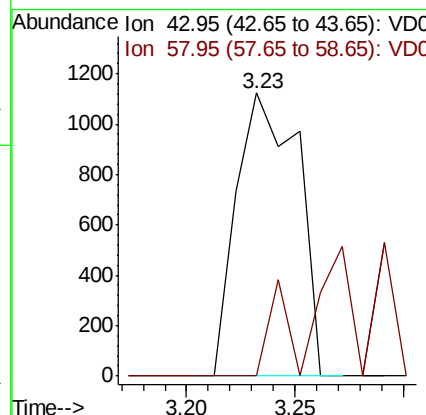
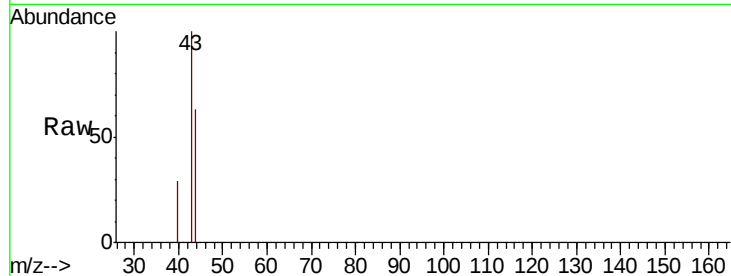




#16
Acetone
Concen: 2.167 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.04 min
Lab File: VD062289.D
Acq: 13 May 2019 6:32

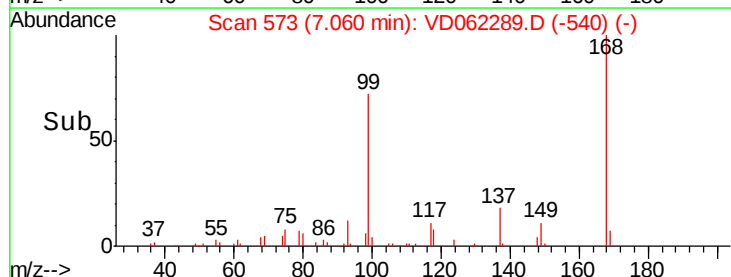
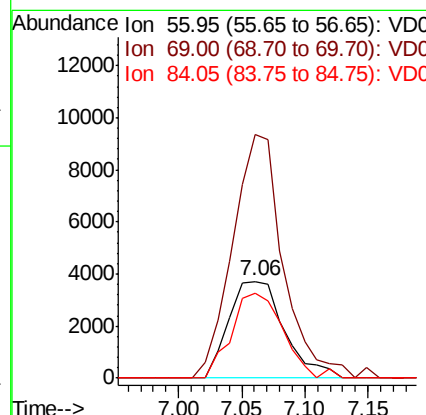
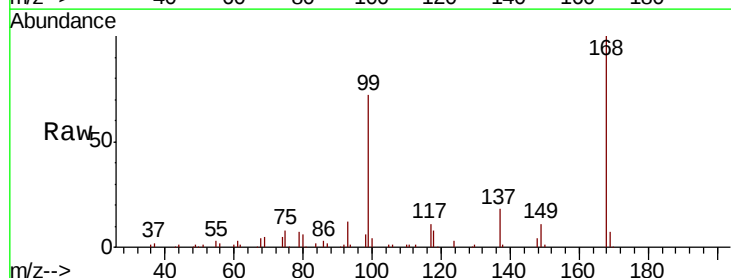
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-02RE

Tot Ion: 43 Resp: 2206
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 2.220 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.13 min
Lab File: VD062289.D
Acq: 13 May 2019 6:32

Tgt Ion: 56 Resp: 11307
Ion Ratio Lower Upper
56 100
69 251.4 25.8 38.6#
84 87.4 72.2 108.4

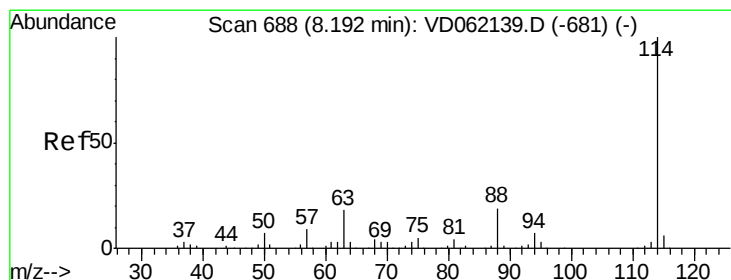
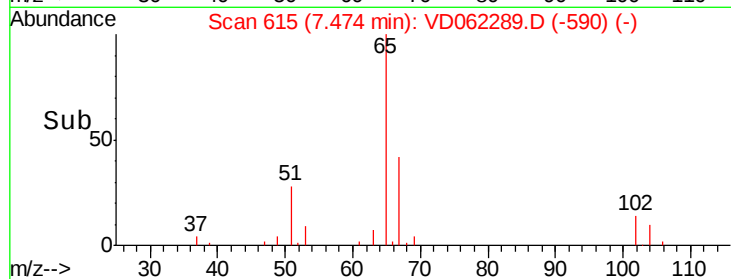
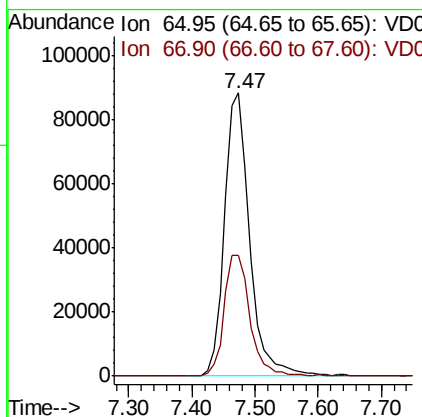
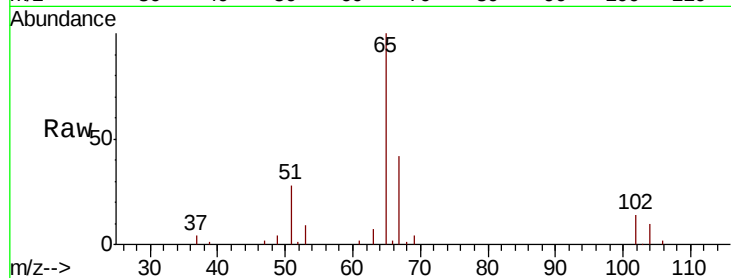




#33
 1,2-Dichloroethane-d4
 Concen: 50.155 ug/l
 RT: 7.47 min Scan# 615
 Delta R.T. 0.05 min
 Lab File: VD062289.D
 Acq: 13 May 2019 6:32

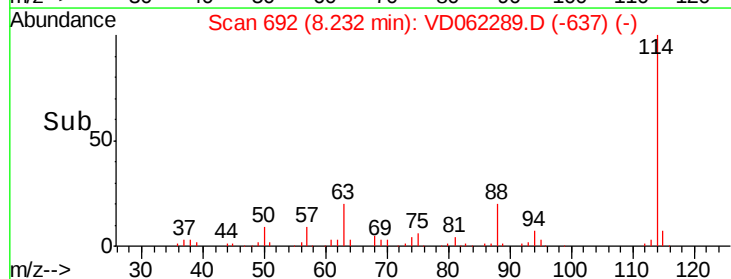
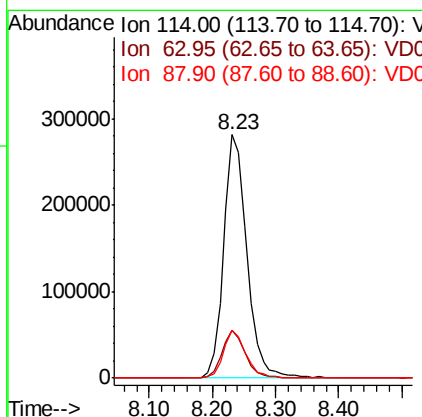
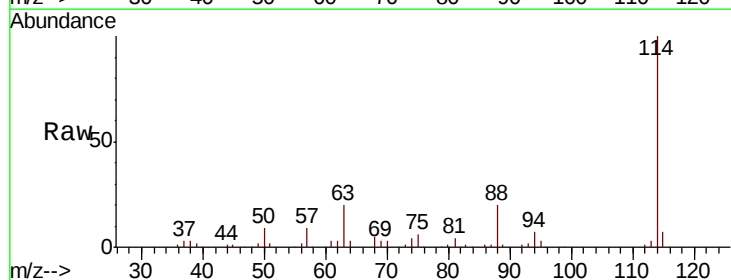
Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0002-02RE

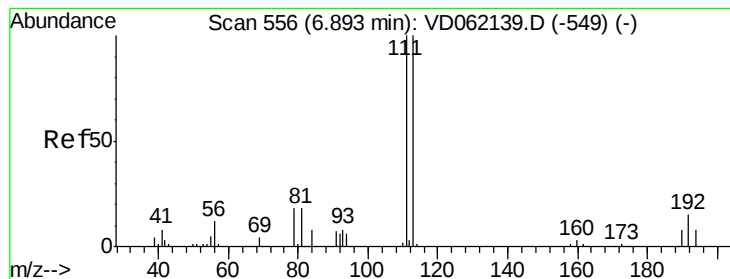
Tot Ion: 65 Resp: 243483
 Ion Ratio Lower Upper
 65 100
 67 42.5 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062289.D
 Acq: 13 May 2019 6:32

Tgt Ion: 114 Resp: 717043
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 32.4
 88 19.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 47.708 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-02RE

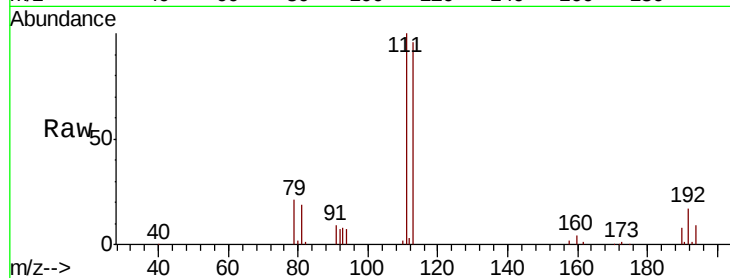
Tot Ion:113 Resp: 283831

Ion Ratio Lower Upper

113 100

111 104.5 78.5 117.7

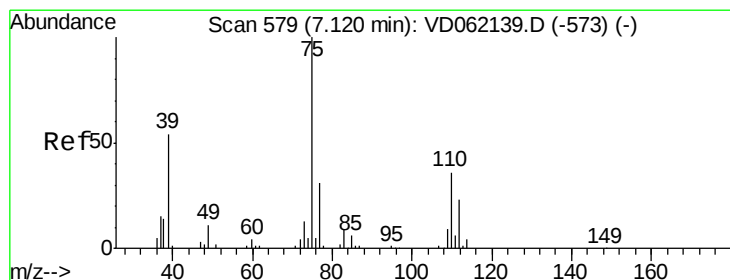
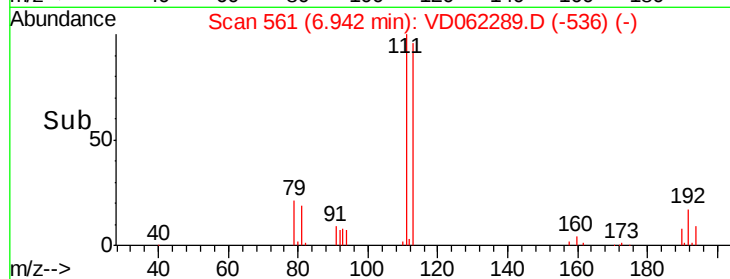
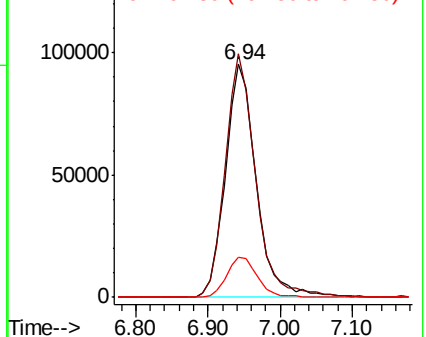
192 17.4 13.0 19.4



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: 7.438 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

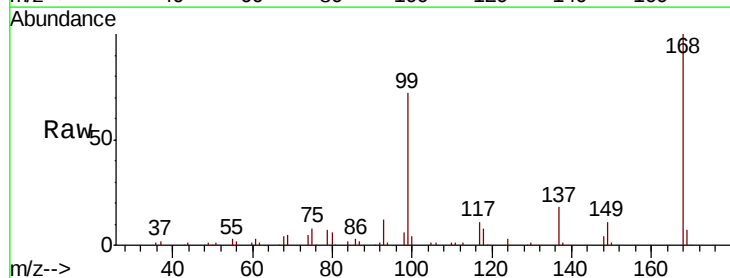
Tgt Ion: 75 Resp: 43728

Ion Ratio Lower Upper

75 100

110 7.7 19.1 57.1#

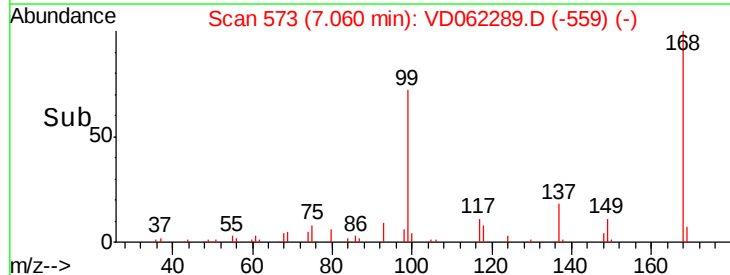
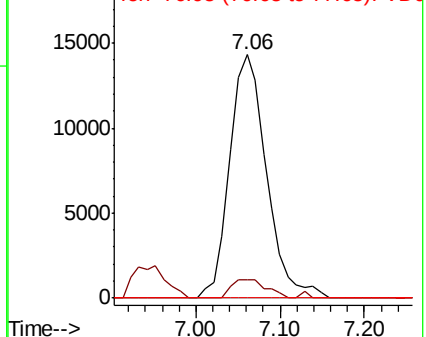
77 0.0 25.6 38.4#

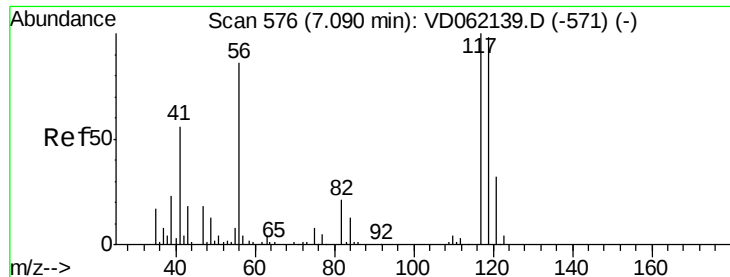


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.850 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-02RE

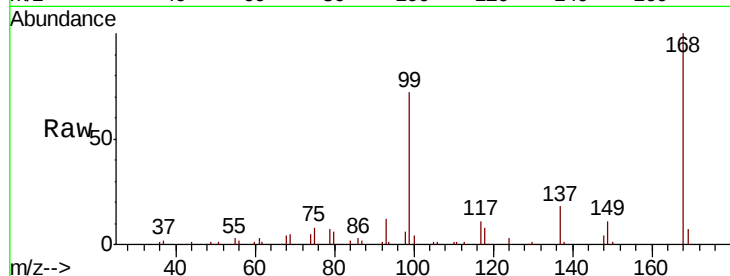
Tot Ion:117 Resp: 55741

Ion Ratio Lower Upper

117 100

119 3.3 75.8 113.8#

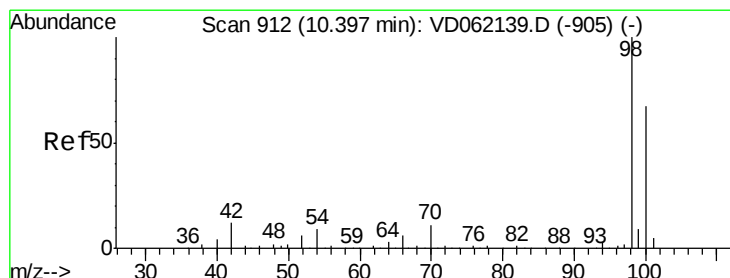
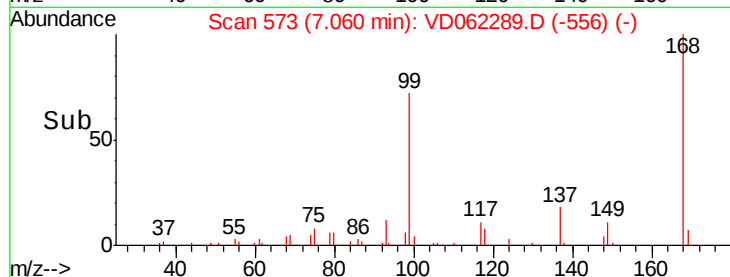
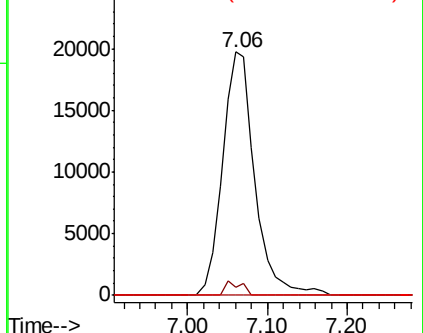
121 0.0 25.9 38.9#



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: 33.561 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062289.D

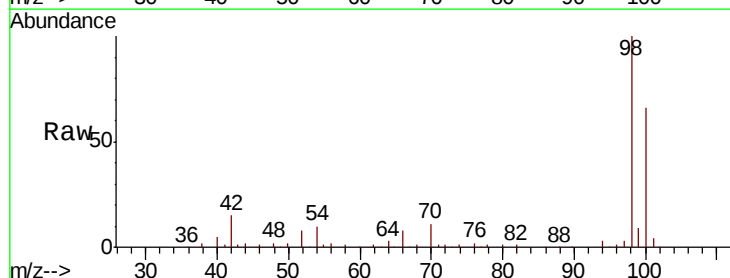
Acq: 13 May 2019 6:32

Tgt Ion: 98 Resp: 481409

Ion Ratio Lower Upper

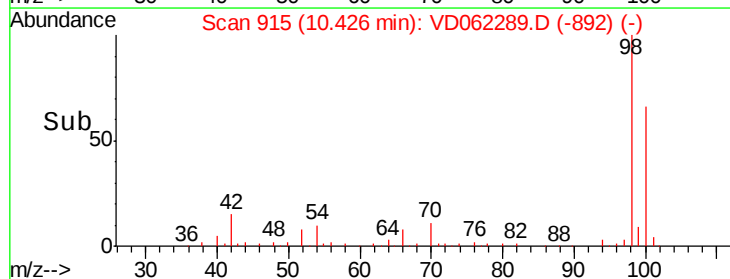
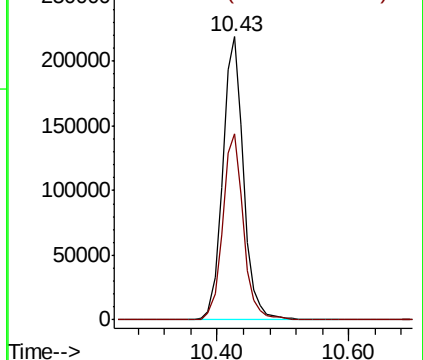
98 100

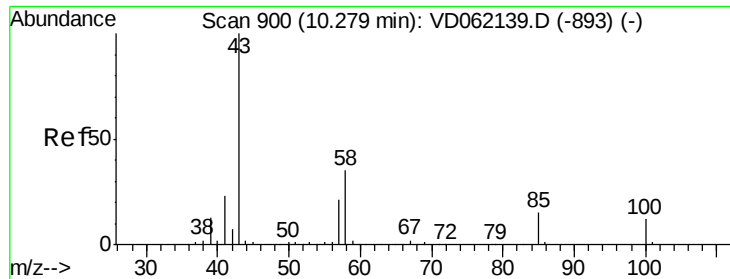
100 65.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.277 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.15 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

Instrument :

MSVOA_D

ClientSampleId :

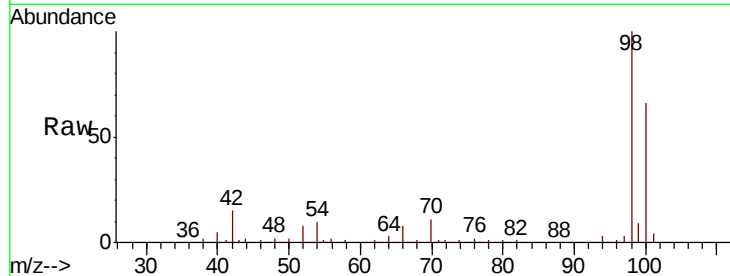
P021-SS001-0002-02RE

Tot Ion: 43 Resp: 2902

Ion Ratio Lower Upper

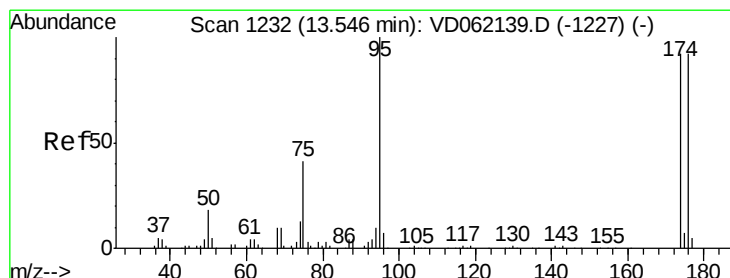
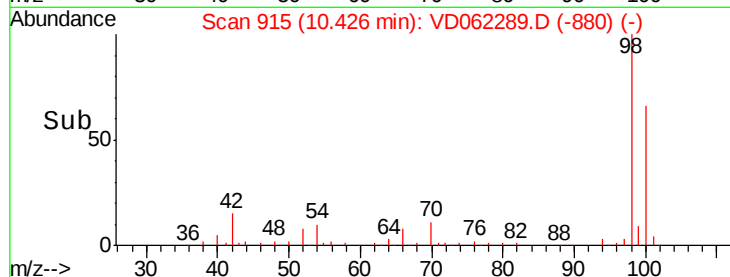
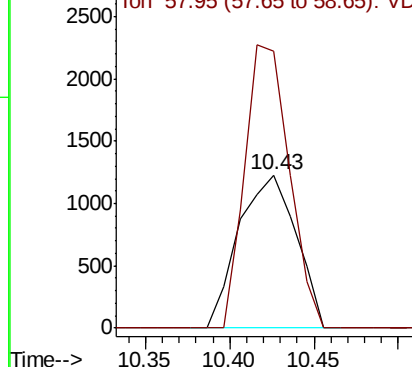
43 100

58 180.5 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: 27.358 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

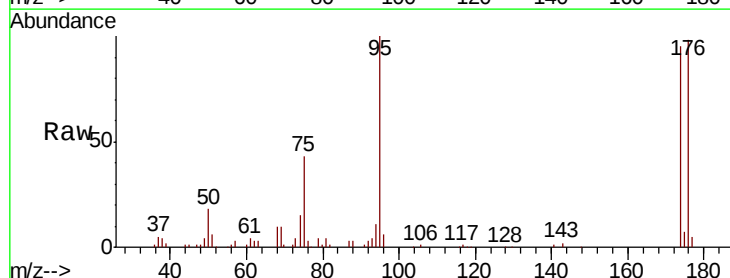
Tgt Ion: 95 Resp: 157586

Ion Ratio Lower Upper

95 100

174 95.2 0.0 181.8

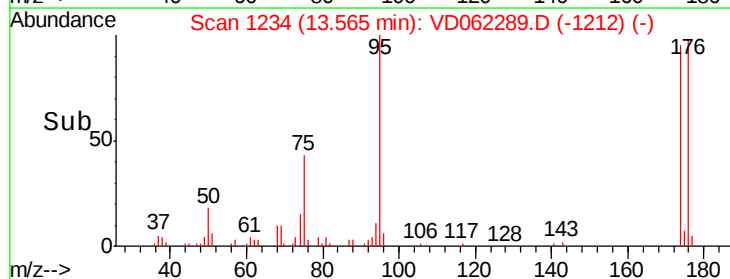
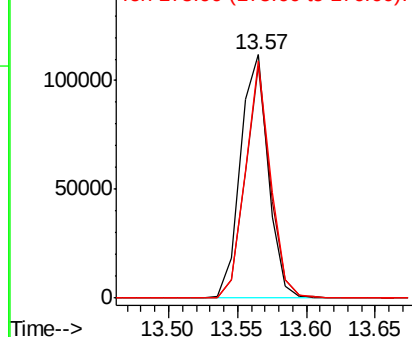
176 97.7 0.0 174.4

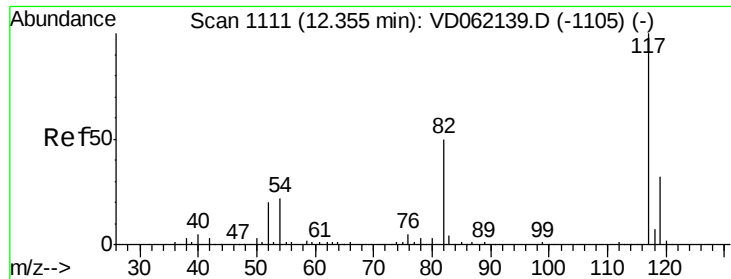


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

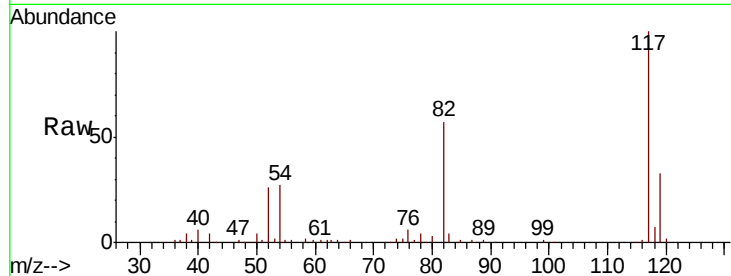




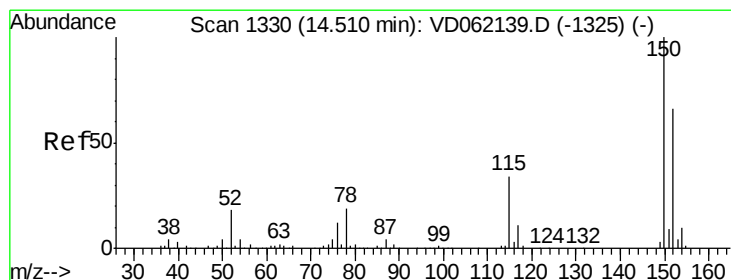
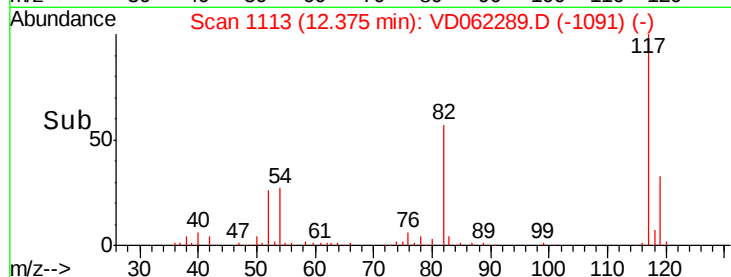
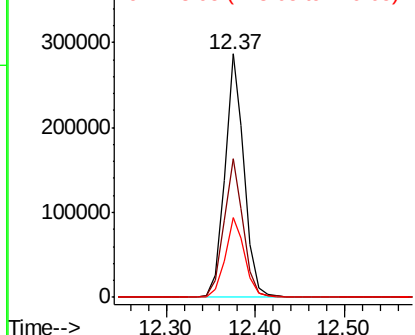
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062289.D
Acq: 13 May 2019 6:32

Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-02RE

Tot Ion:117 Resp: 435849
Ion Ratio Lower Upper
117 100
82 57.0 36.2 54.2#
119 32.5 26.2 39.4

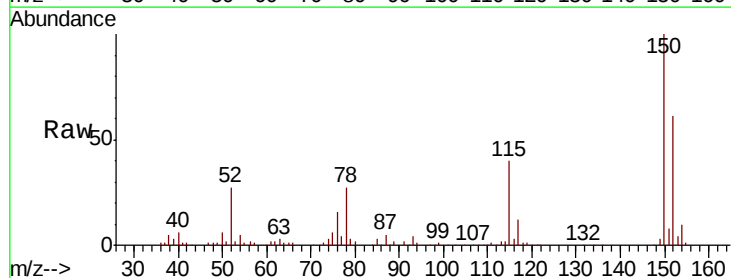


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

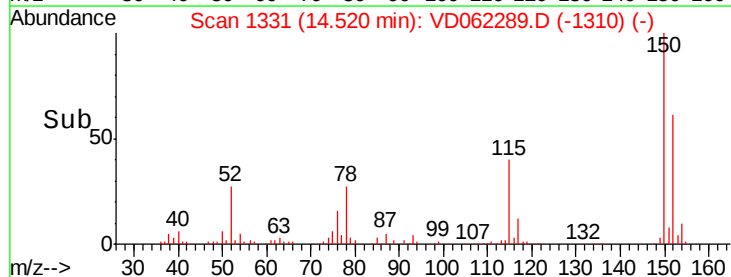
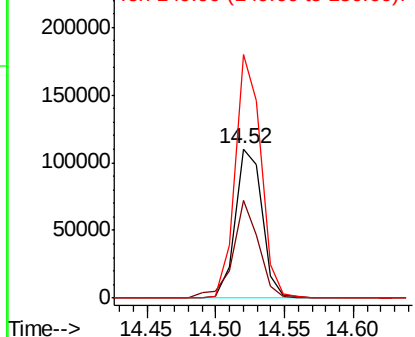


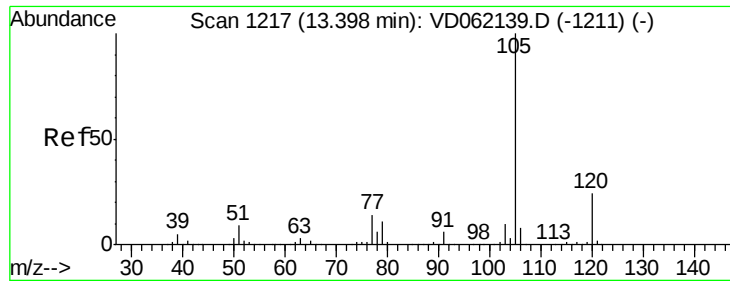
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062289.D
Acq: 13 May 2019 6:32

Tgt Ion:152 Resp: 149040
Ion Ratio Lower Upper
152 100
115 65.9 30.9 92.7
150 163.5 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





#73

Isopropylbenzene

Concen: 3.723 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

Instrument :

MSVOA_D

ClientSampleId :

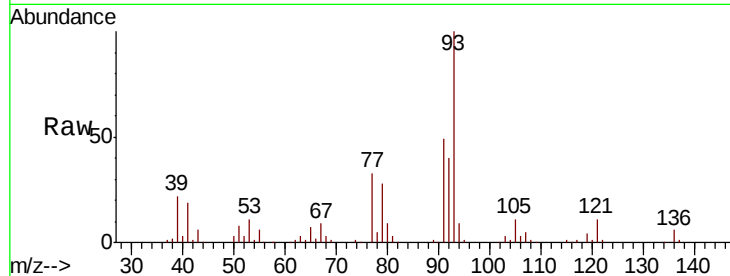
P021-SS001-0002-02RE

Tot Ion:105 Resp: 33264

Ion Ratio Lower Upper

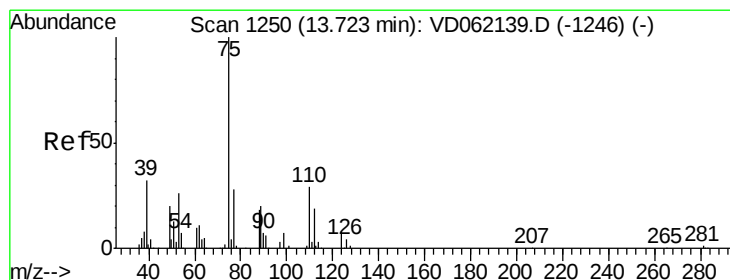
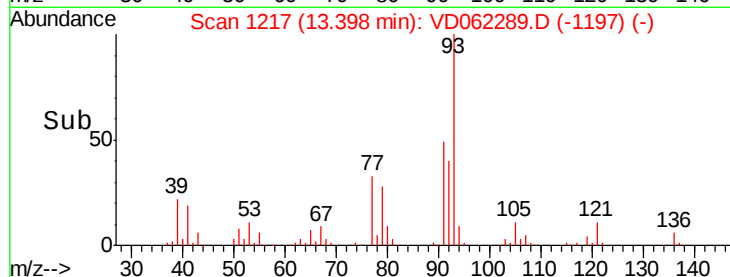
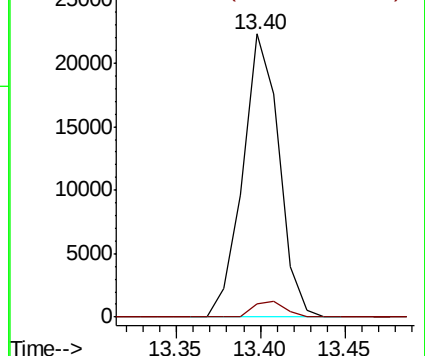
105 100

120 4.7 12.0 36.1#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#76

1,2,3-Trichloropropane

Concen: 36.531 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062289.D

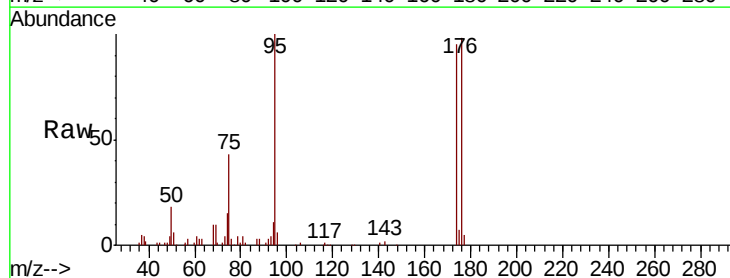
Acq: 13 May 2019 6:32

Tgt Ion: 75 Resp: 64704

Ion Ratio Lower Upper

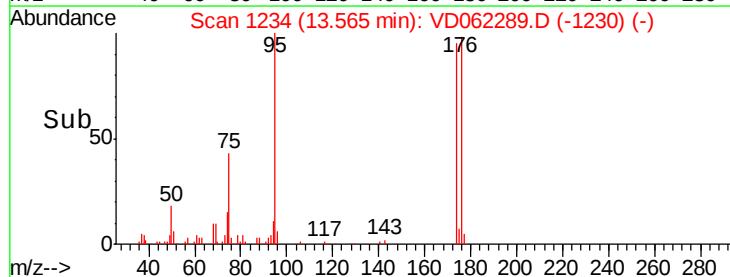
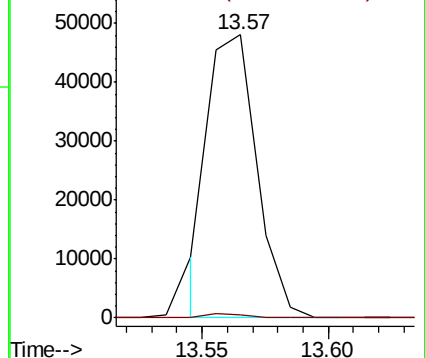
75 100

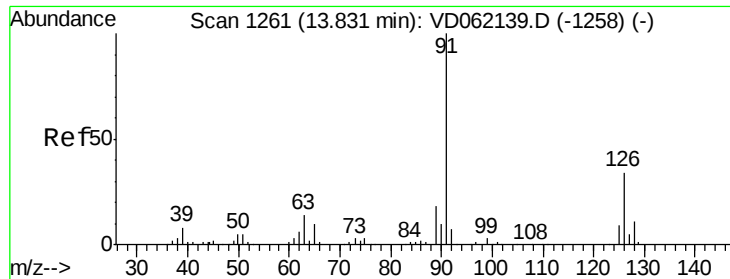
77 1.1 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

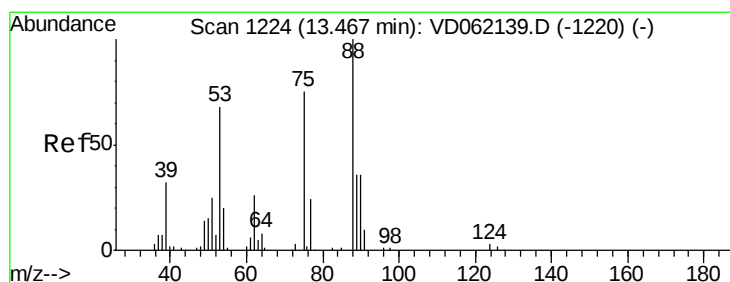
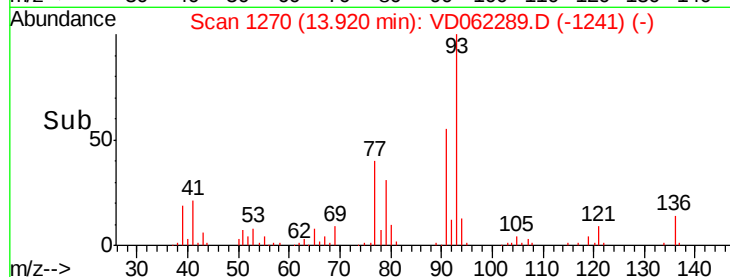
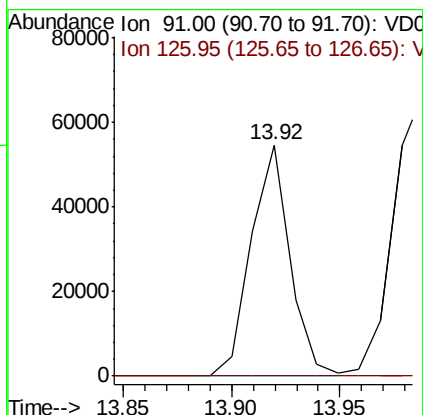
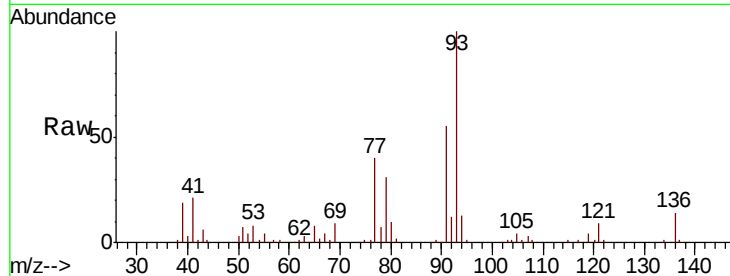




#79
2-Chlorotoluene
Concen: 11.150 ug/l
RT: 13.92 min Scan# 1270
Delta R.T. 0.09 min
Lab File: VD062289.D
Acq: 13 May 2019 6:32

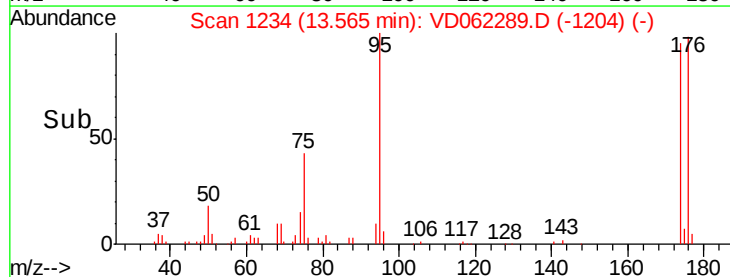
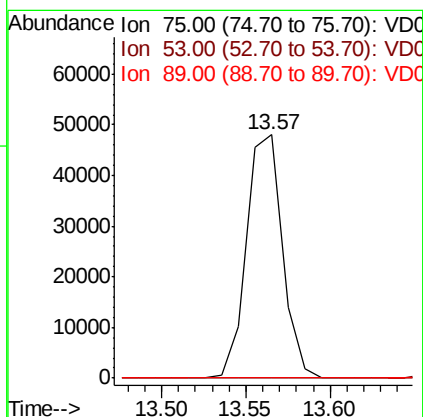
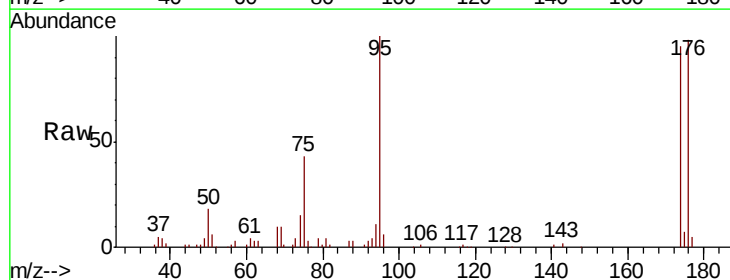
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-02RE

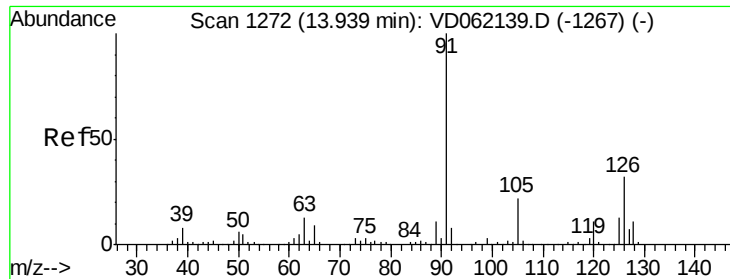
Tot Ion: 91 Resp: 68056
Ion Ratio Lower Upper
91 100
126 0.0 18.6 55.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 142.089 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.10 min
Lab File: VD062289.D
Acq: 13 May 2019 6:32

Tgt Ion: 75 Resp: 71048
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#

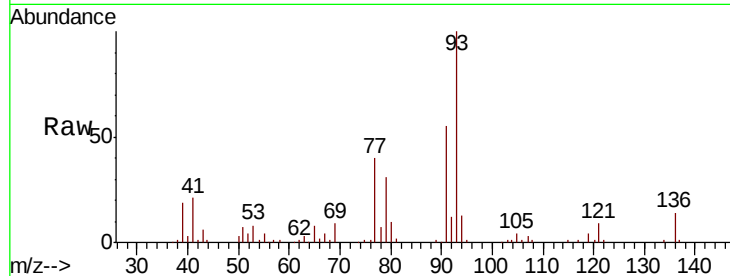




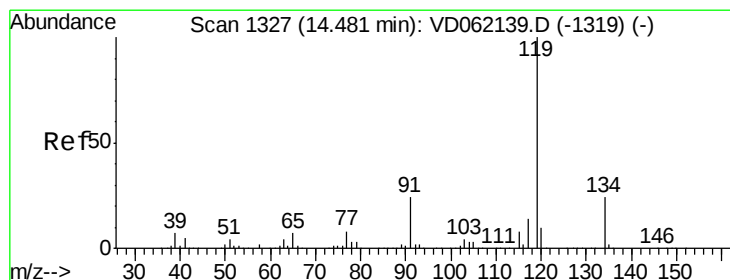
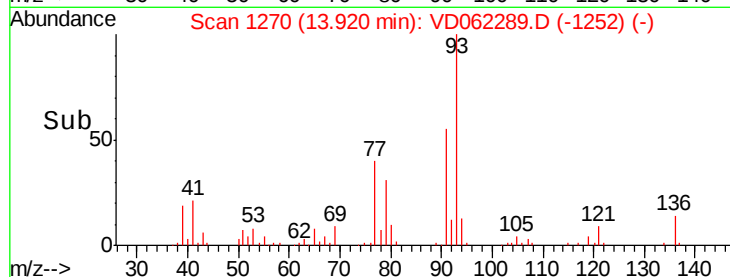
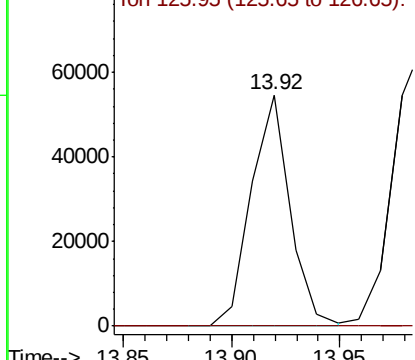
#82
4-Chlorotoluene
Concen: 9.475 ug/l
RT: 13.92 min Scan# 1270
Delta R.T. -0.02 min
Lab File: VD062289.D
Acq: 13 May 2019 6:32

Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0002-02RE

Tot Ion: 91 Resp: 68056
Ion Ratio Lower Upper
91 100
126 0.0 19.1 57.5#

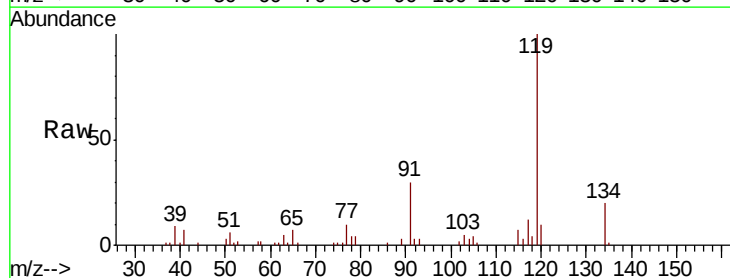


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

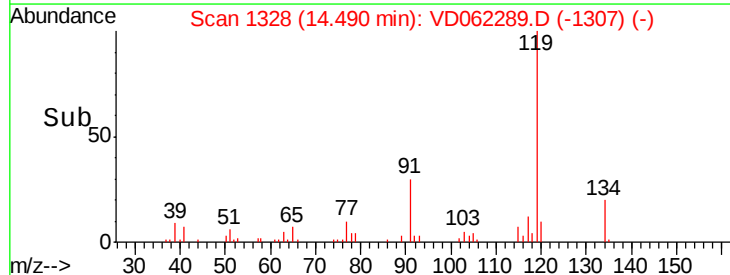
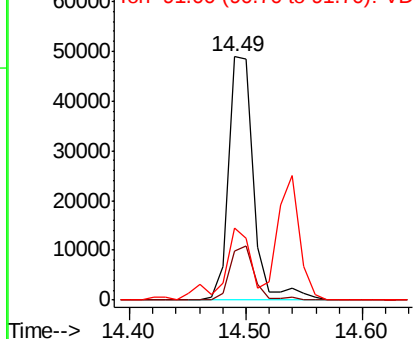


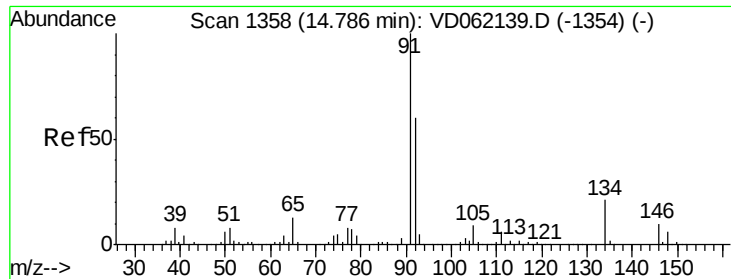
#86
p-Isopropyltoluene
Concen: 8.761 ug/l
RT: 14.49 min Scan# 1328
Delta R.T. 0.01 min
Lab File: VD062289.D
Acq: 13 May 2019 6:32

Tgt Ion: 119 Resp: 72572
Ion Ratio Lower Upper
119 100
134 20.2 12.8 38.3
91 29.5 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V
Ion 134.10 (133.80 to 134.80): V
Ion 91.00 (90.70 to 91.70): VDC





#89

n-Butylbenzene

Concen: 1.015 ug/l

RT: 14.71 min Scan# 1350

Delta R.T. -0.08 min

Lab File: VD062289.D

Acq: 13 May 2019 6:32

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0002-02RE

Tot Ion: 91 Resp: 7544

Ion Ratio Lower Upper

91 100

92 42.9 30.3 91.0

134 0.0 14.5 43.6#

