

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061407.D
 Acq On : 28 Mar 2019 22:46
 Operator : VA/AP
 Sample : K2111-11
 Misc : 3.67g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S7A(20)

Quant Time: Mar 29 01:14:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	519045	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	876892	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	776590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	332631	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	249342	56.24	ug/l	0.01
Spiked Amount			Recovery	=	112.48%	
35) Dibromofluoromethane	6.92	113	364551	54.40	ug/l	0.02
Spiked Amount			Recovery	=	108.80%	
50) Toluene-d8	10.40	98	810128	50.41	ug/l	0.01
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	13.55	95	325754	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	29554	25.929	ug/l	100
20) Methylene Chloride	3.82	84	136943	20.307	ug/l	97
31) Cyclohexane	7.04	56	8294	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	37540	4.905	ug/l #	45
38) Carbon Tetrachloride	7.03	117	49836	5.667	ug/l #	15
51) 4-Methyl-2-Pentanone	10.40	43	3637	1.255	ug/l #	1
52) Toluene	10.50	92	125528	10.712	ug/l	97
76) 1,2,3-Trichloropropane	13.55	75	88011	18.317	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	122151	83.378	ug/l #	18

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032819\
Data File : VD061407.D
Acq On    : 28 Mar 2019   22:46
Operator  : VA/AP
Sample    : K2111-11
Misc      : 3.67a/5ml/MSVOA D/SOIL
ALS Vial  : 21   Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061407.D

Acq: 28 Mar 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

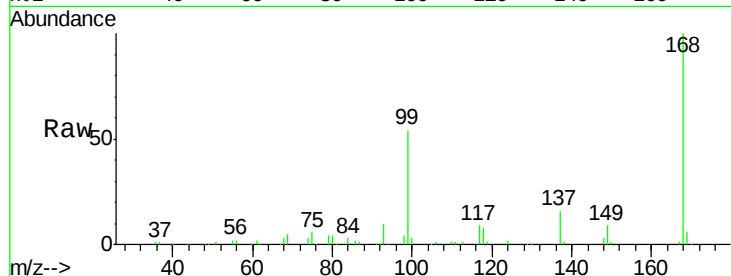
S7A(20)

Tot Ion:168 Resp: 519045

Ion Ratio Lower Upper

168 100

99 53.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

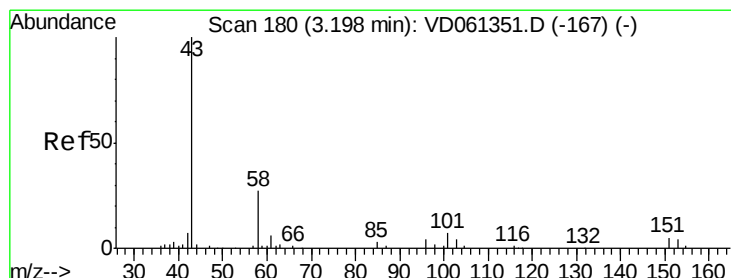
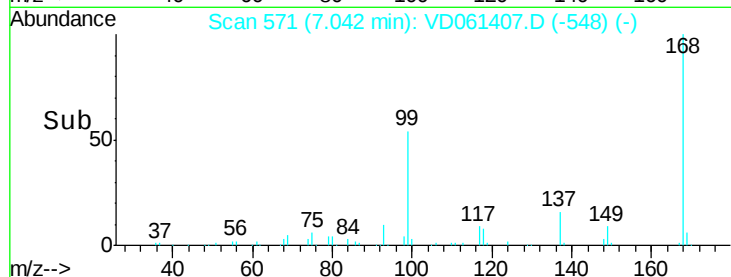
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 25.929 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061407.D

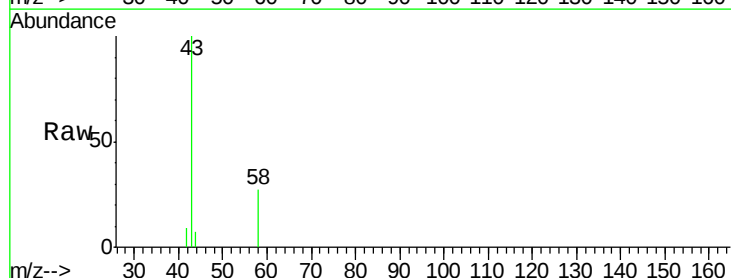
Acq: 28 Mar 2019 22:46

Tgt Ion: 43 Resp: 29554

Ion Ratio Lower Upper

43 100

58 26.8 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

10000

8000

6000

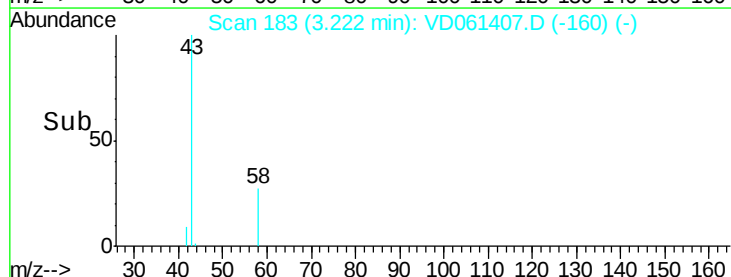
4000

2000

0

3.10 3.20 3.30 3.40

Time-->





#20

Methylene Chloride

Concen: 20.307 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061407.D

Acq: 28 Mar 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

STA(20)

Tot Ion: 84 Resp: 136943

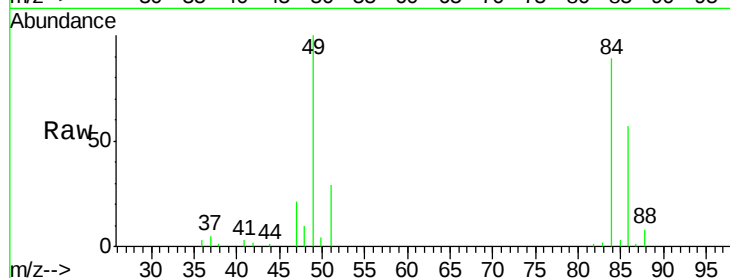
Ion Ratio Lower Upper

84 100

49 111.8 91.8 137.8

51 32.3 29.8 44.8

86 64.3 51.8 77.6

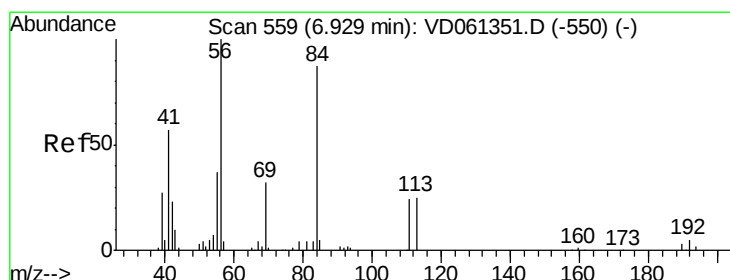
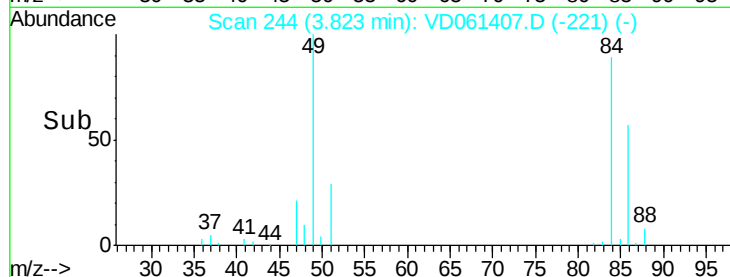
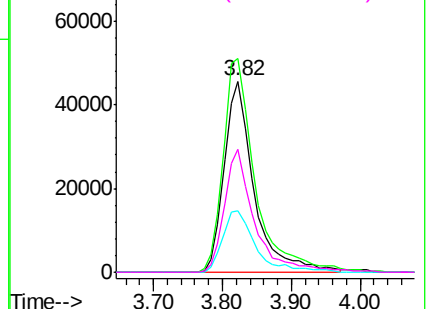


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 1.086 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD061407.D

Acq: 28 Mar 2019 22:46

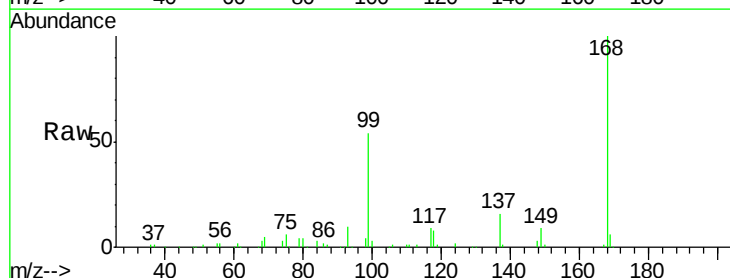
Tgt Ion: 56 Resp: 8294

Ion Ratio Lower Upper

56 100

69 269.7 25.7 38.5#

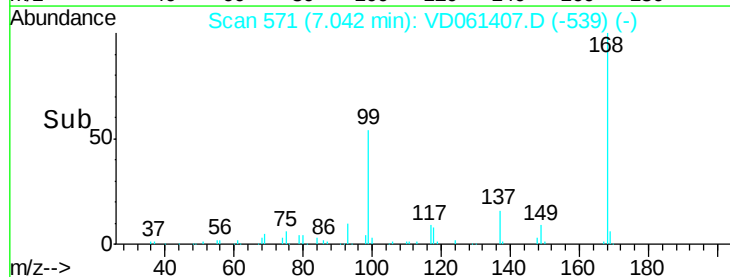
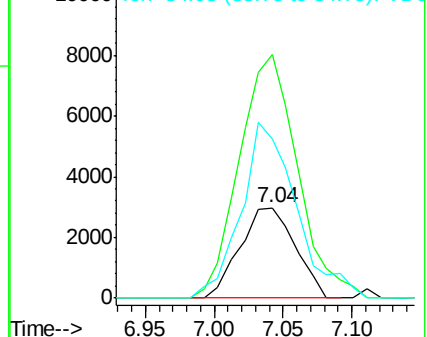
84 176.8 70.6 105.8#



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

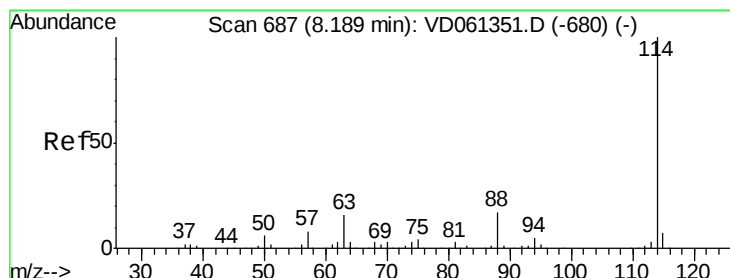
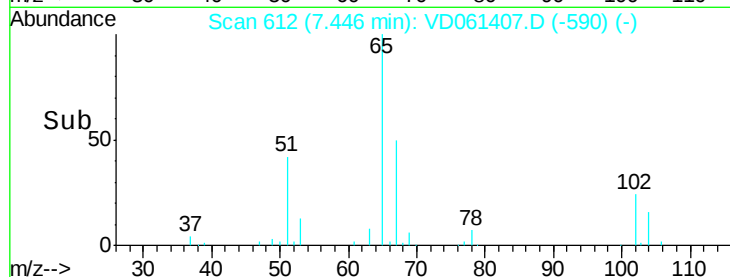
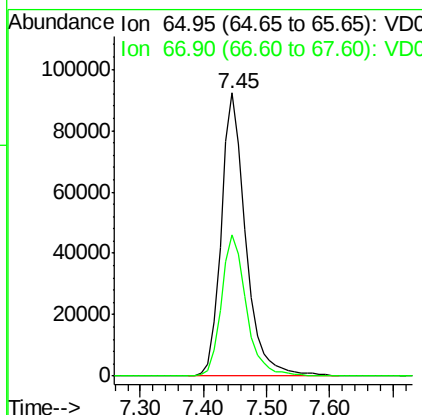
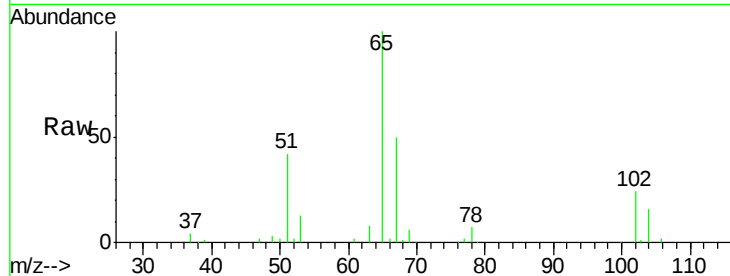




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD061407.D
 Acq: 28 Mar 2019 22:46

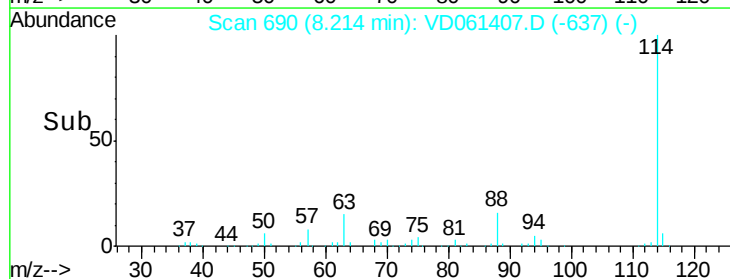
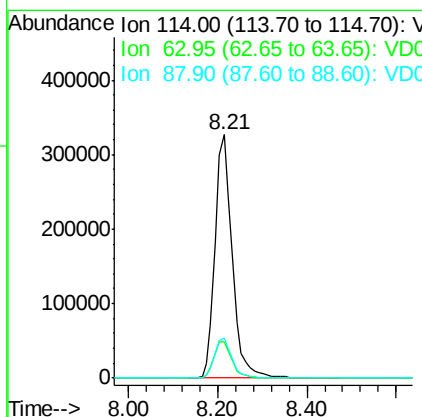
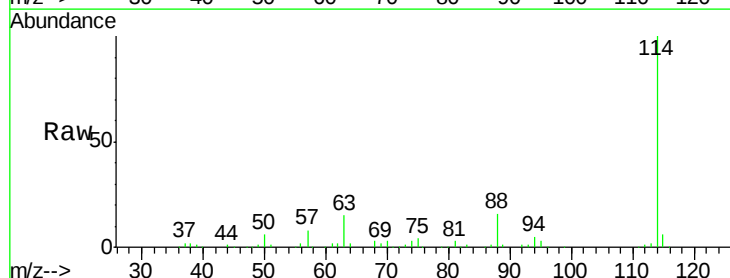
Instrument :
 MSVOA_D
 ClientSampleId :
 S7A(20)

Tot Ion: 65 Resp: 249342
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD061407.D
 Acq: 28 Mar 2019 22:46

Tgt Ion: 114 Resp: 876892
 Ion Ratio Lower Upper
 114 100
 63 15.0 0.0 31.6
 88 16.4 0.0 33.4

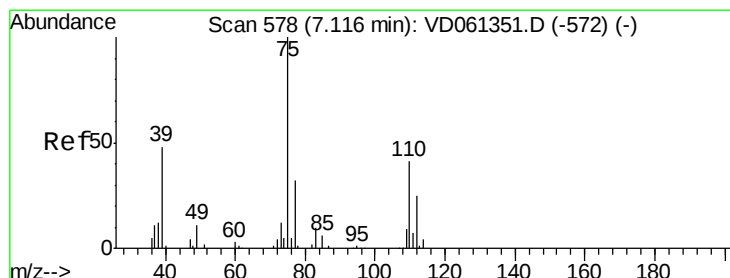
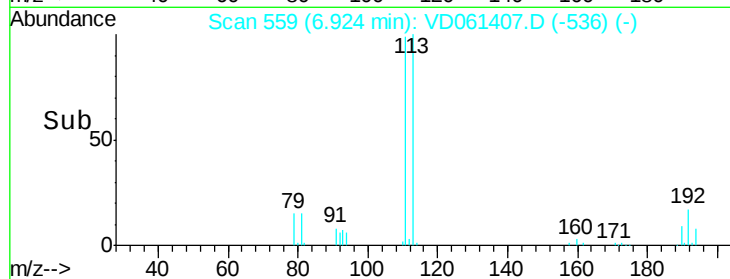
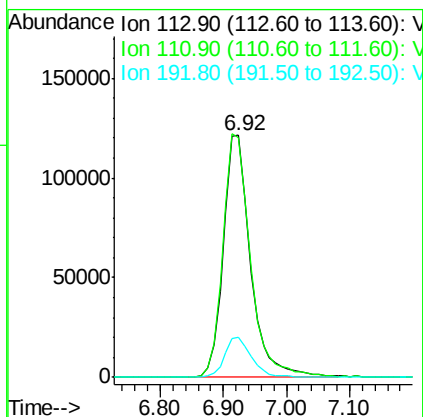
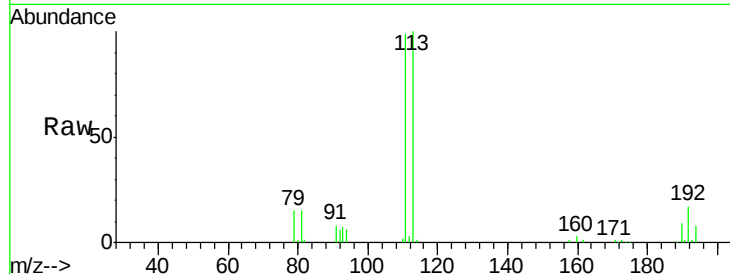




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD061407.D
 Acq: 28 Mar 2019 22:46

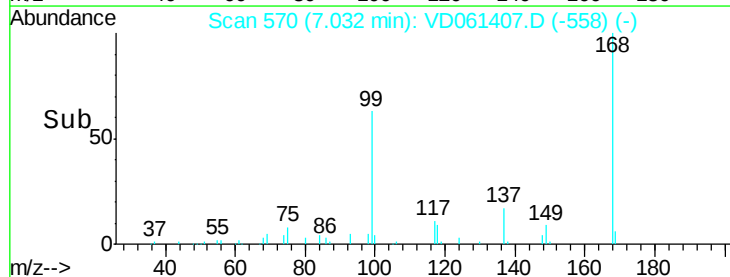
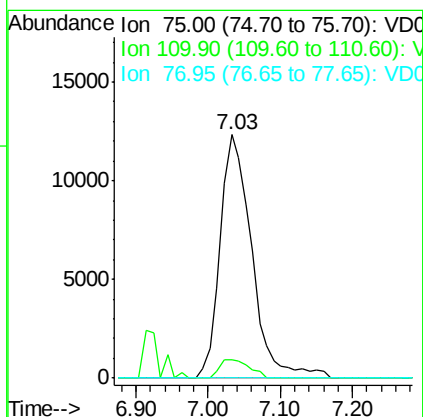
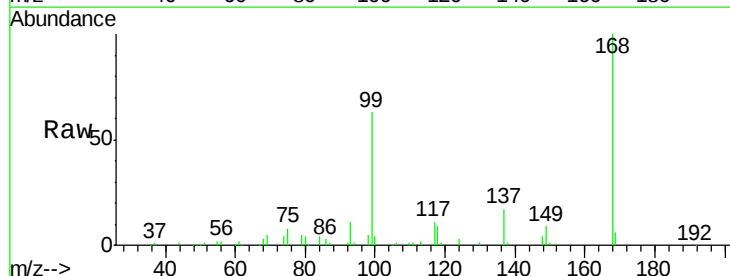
Instrument :
 MSVOA_D
 ClientSampleId :
 STA(20)

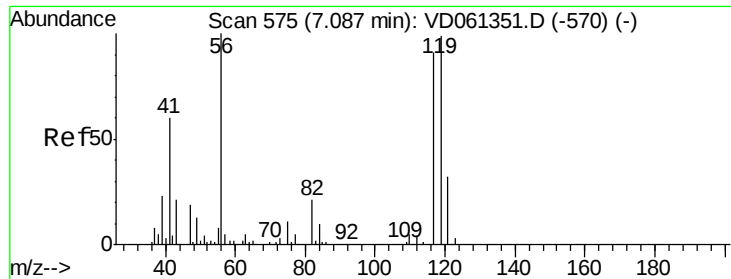
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.0	81.0	121.6
192	16.7	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 4.905 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD061407.D
 Acq: 28 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	20.4	61.3#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.667 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD061407.D

Acq: 28 Mar 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

S7A(20)

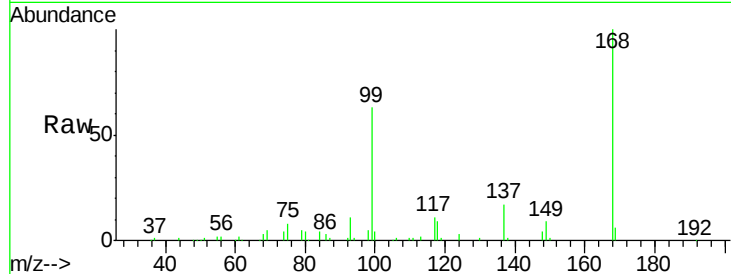
Tot Ion:117 Resp: 49836

Ion Ratio Lower Upper

117 100

119 6.2 80.1 120.1#

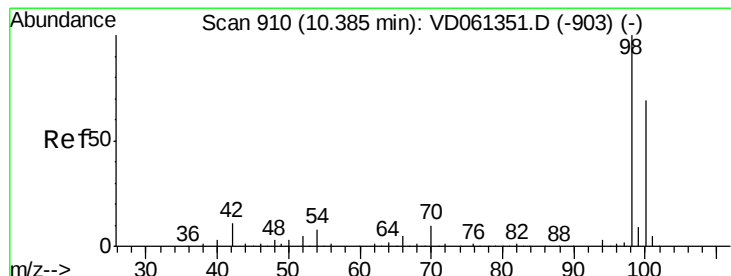
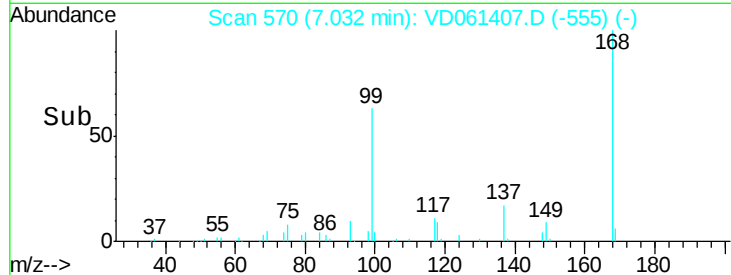
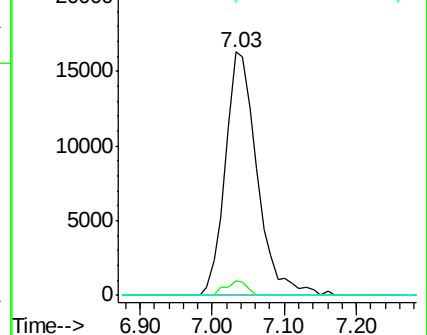
121 0.0 25.6 38.4#



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: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD061407.D

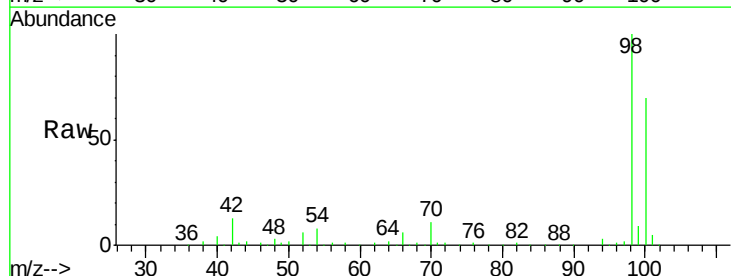
Acq: 28 Mar 2019 22:46

Tgt Ion: 98 Resp: 810128

Ion Ratio Lower Upper

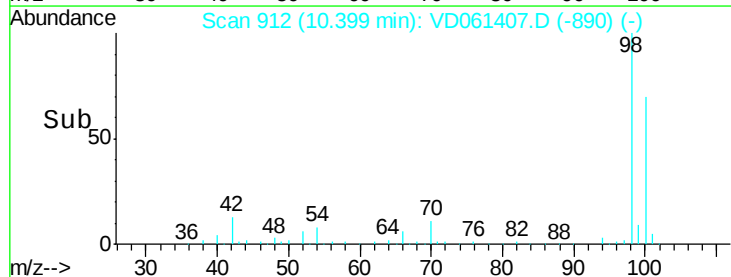
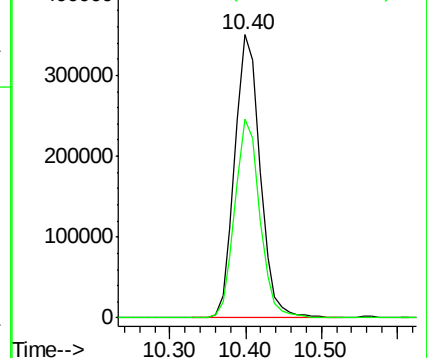
98 100

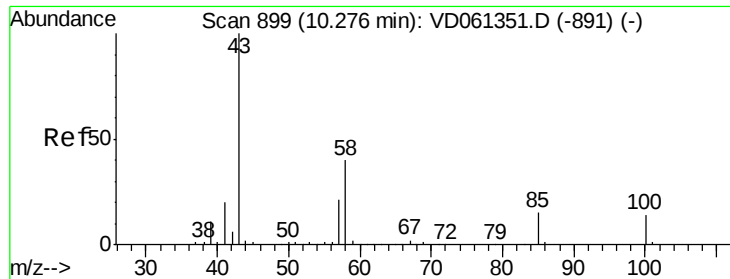
100 70.4 56.2 84.2



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: 1.255 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.12 min

Lab File: VD061407.D

Acq: 28 Mar 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

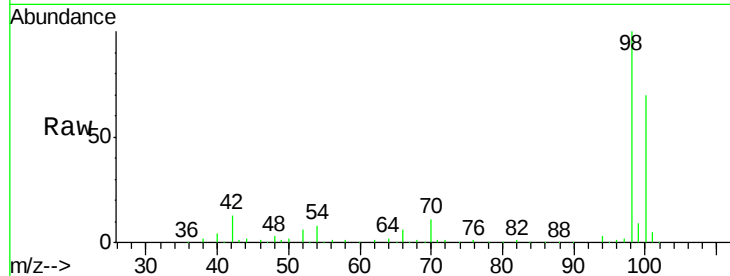
S7A(20)

Tot Ion: 43 Resp: 3637

Ion Ratio Lower Upper

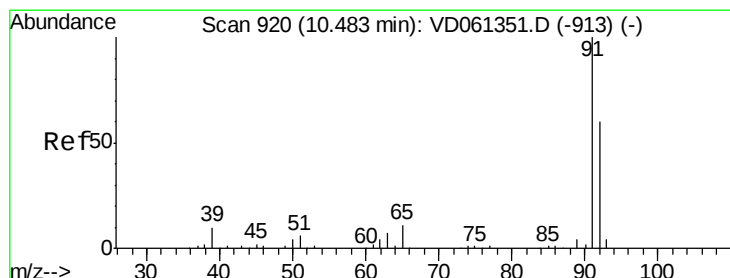
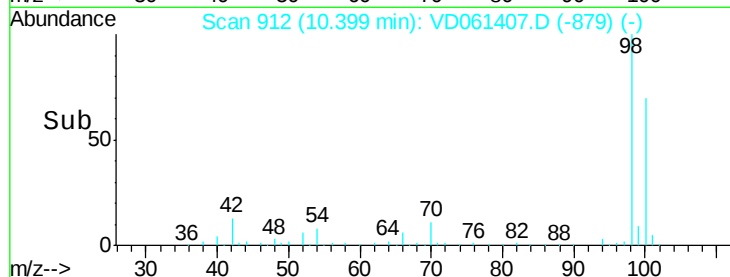
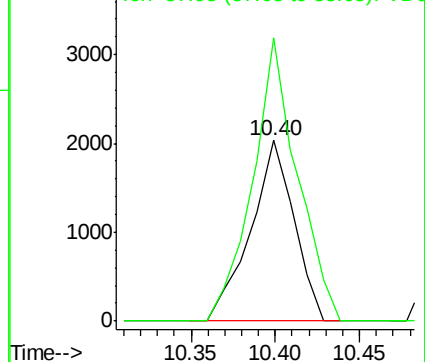
43 100

58 156.6 31.8 47.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 10.712 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061407.D

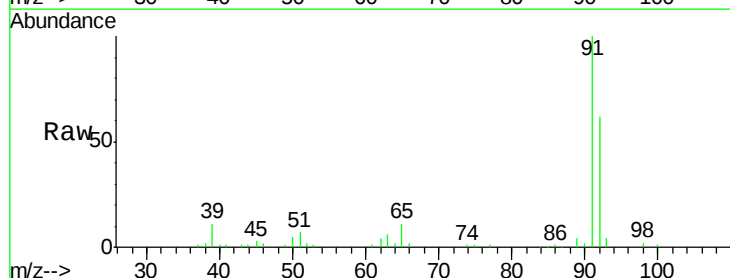
Acq: 28 Mar 2019 22:46

Tgt Ion: 92 Resp: 125528

Ion Ratio Lower Upper

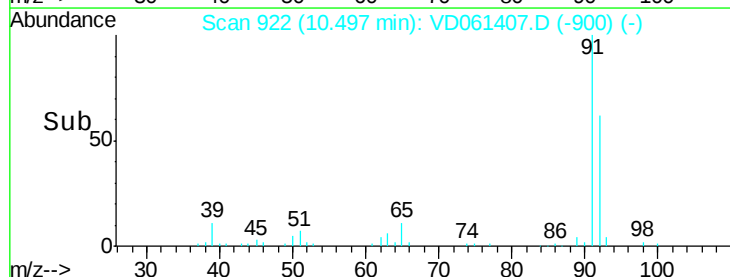
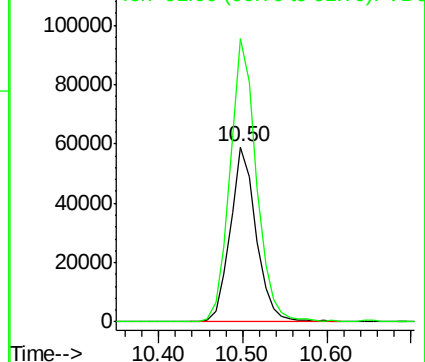
92 100

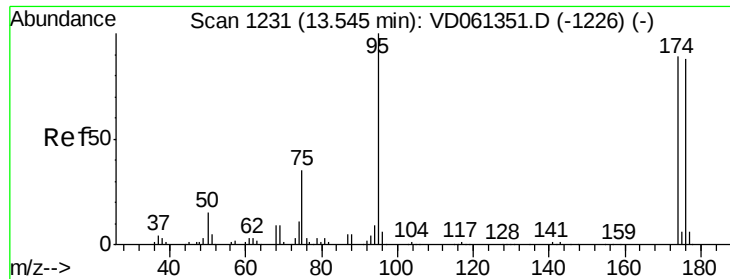
91 162.0 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

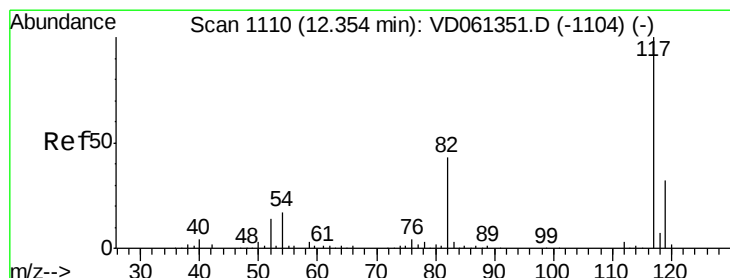
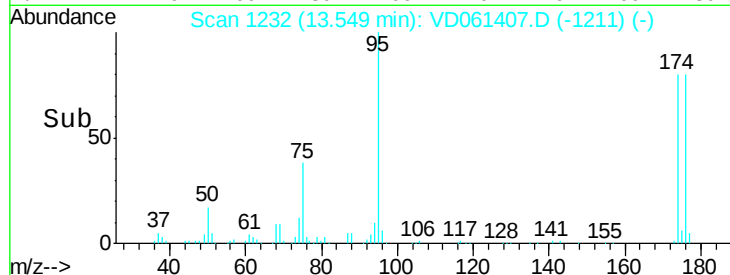
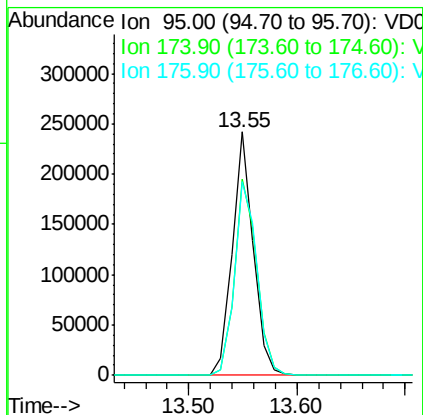
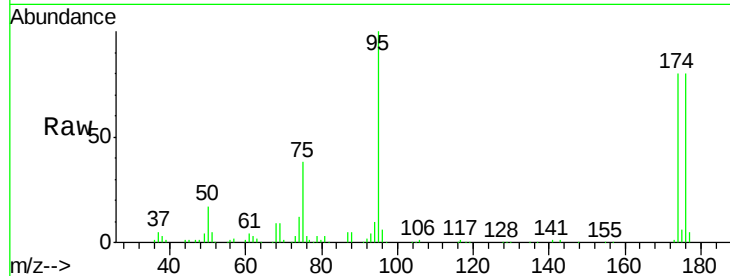




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061407.D
Acq: 28 Mar 2019 22:46

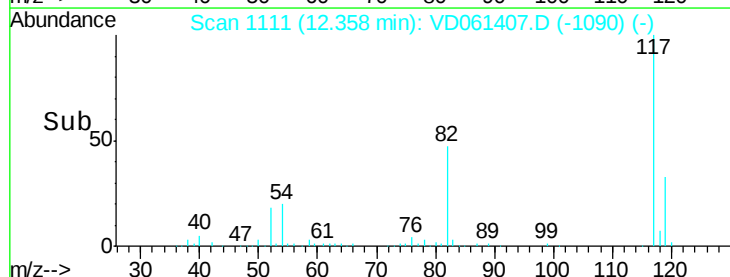
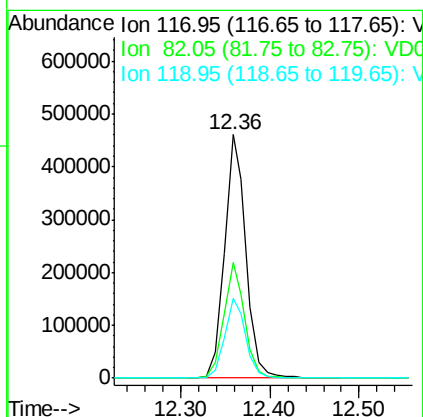
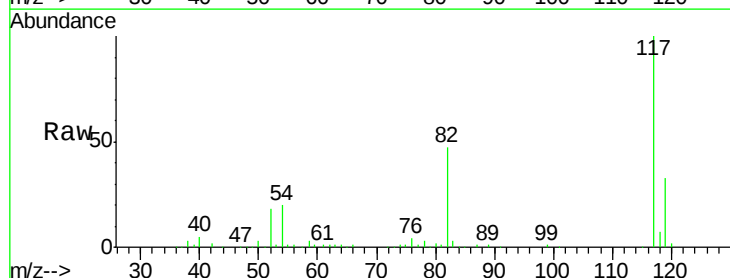
Instrument :
MSVOA_D
ClientSampleId :
S7A(20)

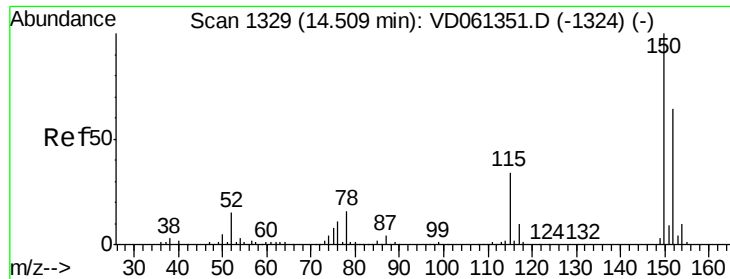
Tot Ion: 95 Resp: 325754
Ion Ratio Lower Upper
95 100
174 80.4 0.0 178.0
176 79.5 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061407.D
Acq: 28 Mar 2019 22:46

Tgt Ion: 117 Resp: 776590
Ion Ratio Lower Upper
117 100
82 47.5 34.4 51.6
119 32.7 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061407.D

Acq: 28 Mar 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

STA(20)

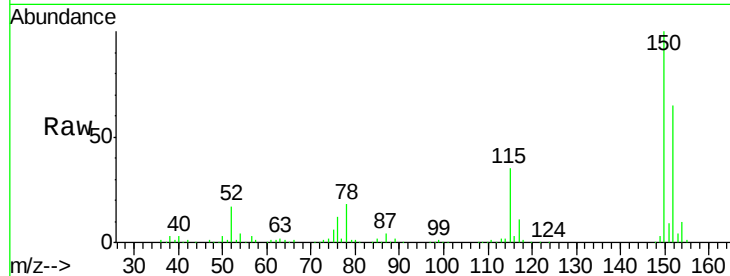
Tot Ion:152 Resp: 332631

Ion Ratio Lower Upper

152 100

115 54.9 26.9 80.6

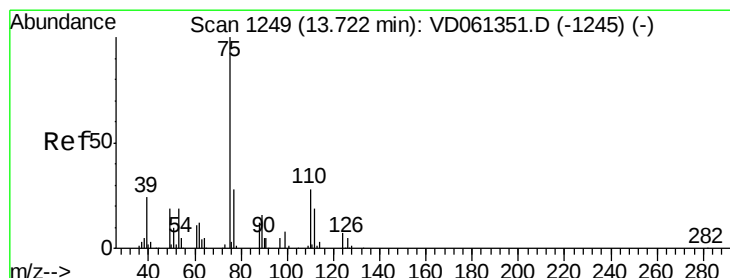
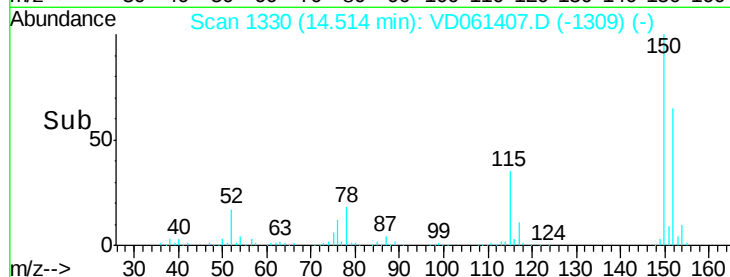
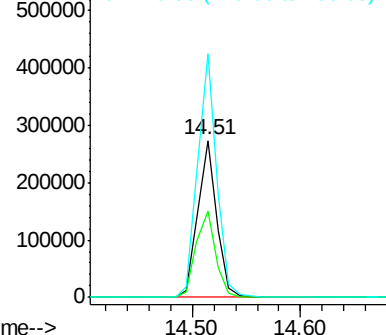
150 154.9 0.0 318.0



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: 18.317 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061407.D

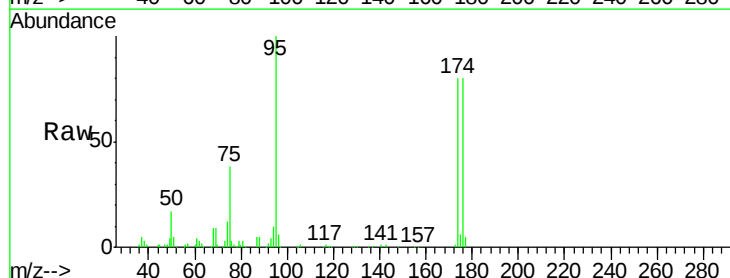
Acq: 28 Mar 2019 22:46

Tgt Ion: 75 Resp: 88011

Ion Ratio Lower Upper

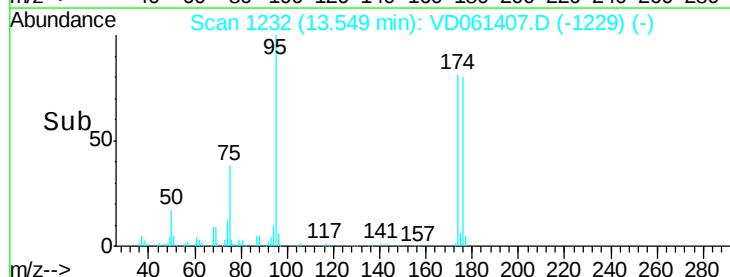
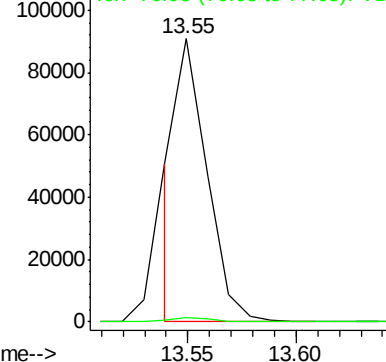
75 100

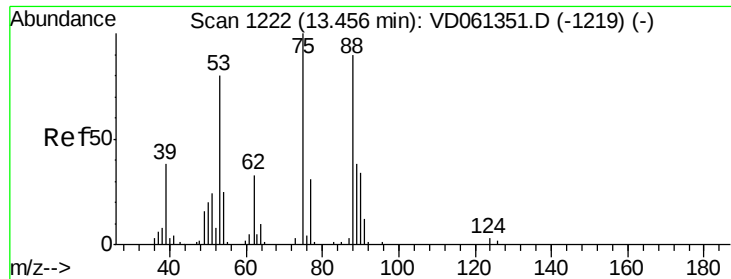
77 1.5 16.2 48.5#



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: 83.378 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061407.D

Acq: 28 Mar 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

S7A(20)

Tot Ion: 75 Resp: 122151

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

