

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061405.D
 Acq On : 28 Mar 2019 21:50
 Operator : VA/AP
 Sample : K2111-07
 Misc : 6.85g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S5(15)

Quant Time: Mar 29 01:14:21 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

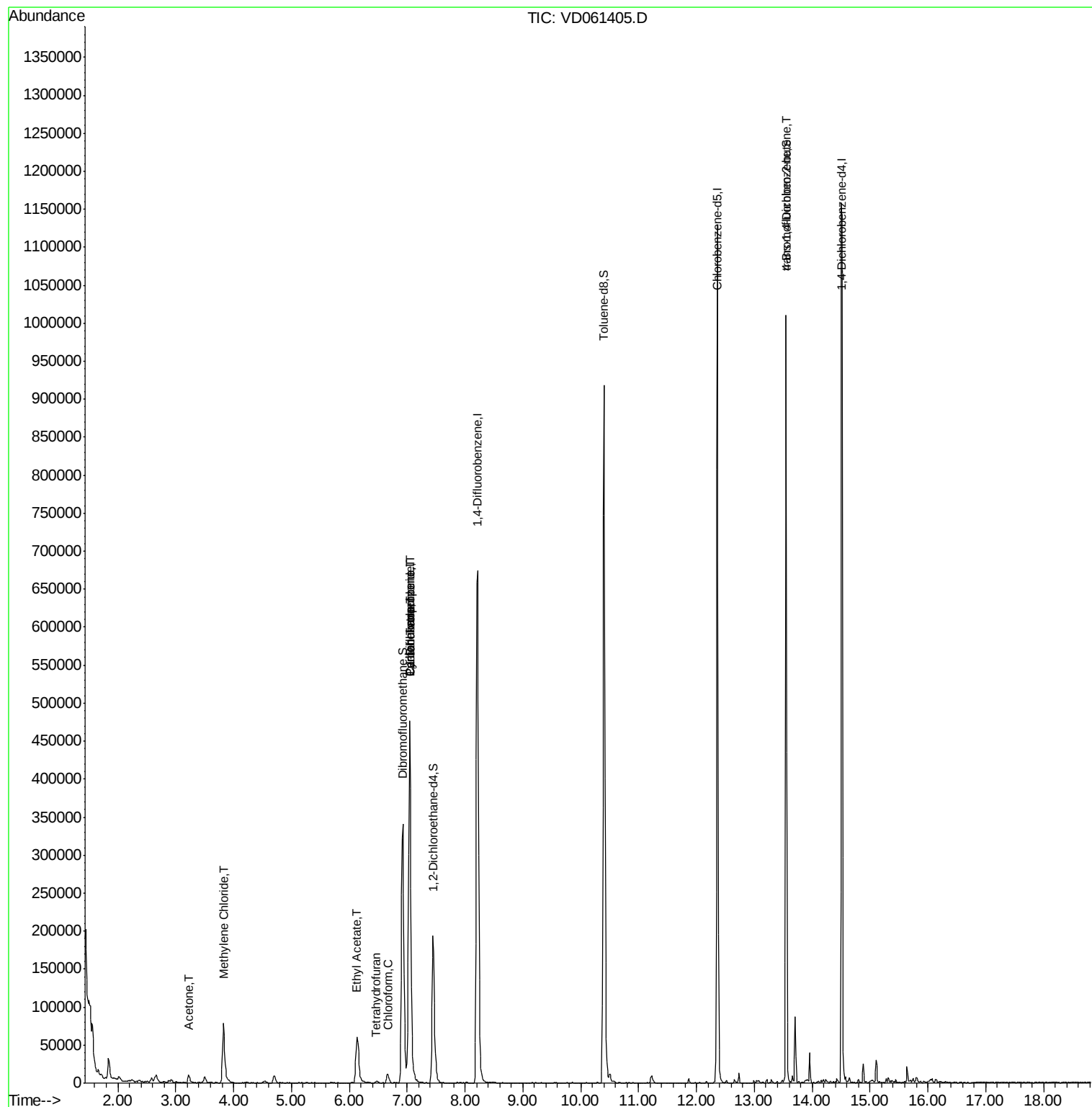
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	504187	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	880475	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	699835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	304391	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	194147	45.08	ug/l	0.02
Spiked Amount 50.000			Recovery	=	90.16%	
35) Dibromofluoromethane	6.93	113	333772	49.61	ug/l	0.03
Spiked Amount 50.000			Recovery	=	99.22%	
50) Toluene-d8	10.40	98	817577	50.66	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	13.55	95	320749	51.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.66%	
Target Compounds						
					Qvalue	
16) Acetone	3.23	43	18167	16.408	ug/l	92
20) Methylene Chloride	3.83	84	60864	8.208	ug/l	96
29) Tetrahydrofuran	6.45	42	1037	1.536	ug/l #	30
30) Chloroform	6.66	83	14794	1.525	ug/l	95
31) Cyclohexane	7.04	56	7791	1.050	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	38435	5.002	ug/l #	43
37) Ethyl Acetate	6.14	43	3449	1.049	ug/l #	14
38) Carbon Tetrachloride	7.04	117	47742	5.407	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	117327	87.515	ug/l #	18

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

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S5(15)

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.03 min

Lab File: VD061405.D

Acq: 28 Mar 2019 21:50

Instrument :

MSVOA_D

ClientSampleId :

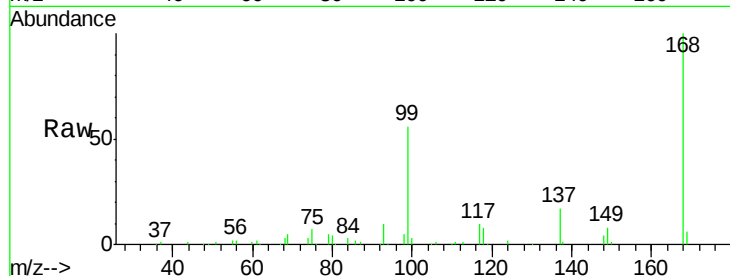
S5(15)

Tot Ion:168 Resp: 504187

Ion Ratio Lower Upper

168 100

99 56.3 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

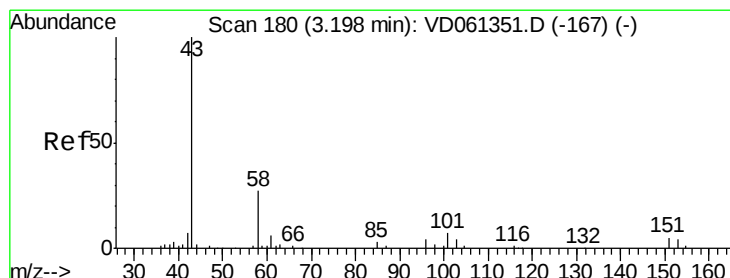
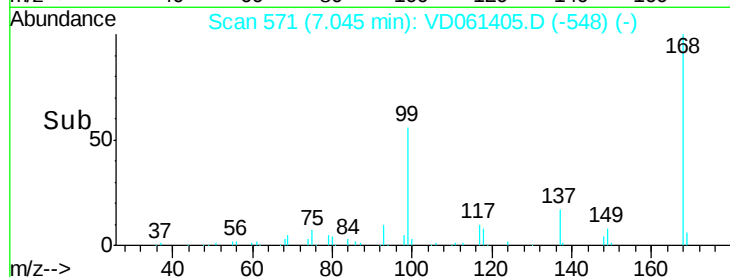
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 16.408 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061405.D

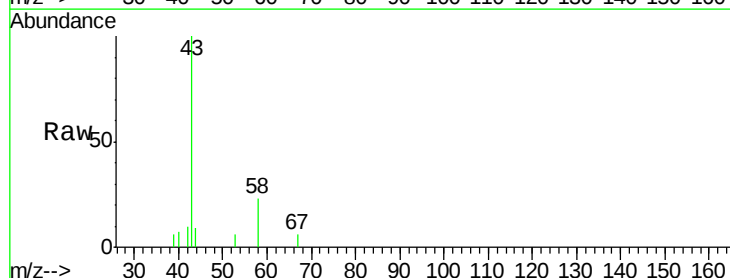
Acq: 28 Mar 2019 21:50

Tgt Ion: 43 Resp: 18167

Ion Ratio Lower Upper

43 100

58 22.9 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

8000

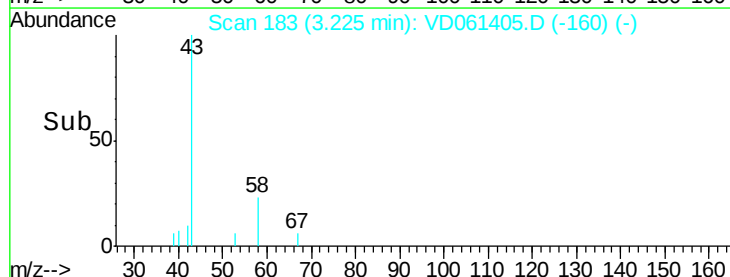
6000

4000

2000

0

Time-->





#20

Methylene Chloride

Concen: 8.208 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD061405.D

Acq: 28 Mar 2019 21:50

Instrument :

MSVOA_D

ClientSampleId :

S5(15)

Tot Ion: 84 Resp: 60864

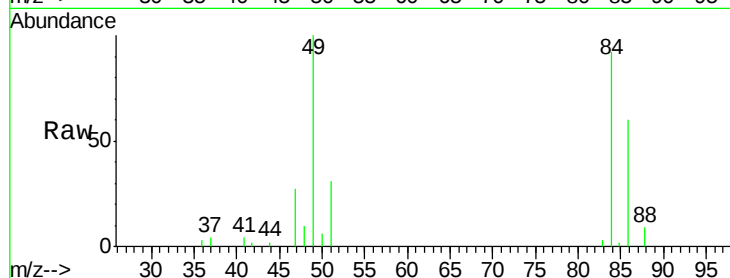
Ion Ratio Lower Upper

84 100

49 108.2 91.8 137.8

51 33.4 29.8 44.8

86 64.6 51.8 77.6

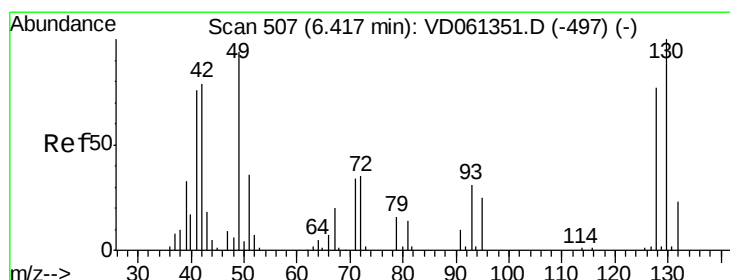
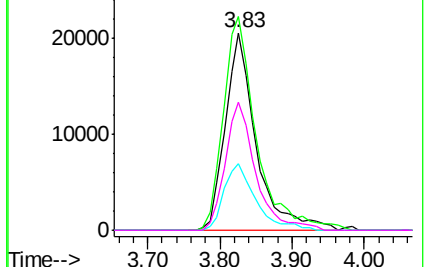
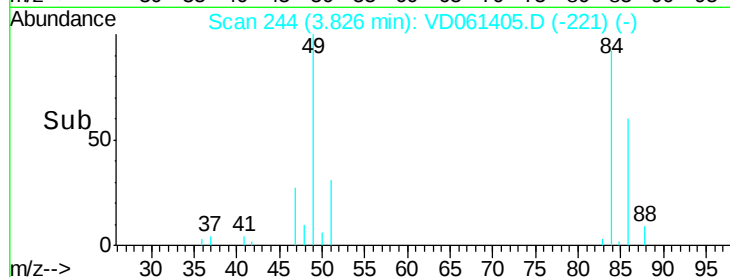


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#29

Tetrahydrofuran

Concen: 1.536 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.04 min

Lab File: VD061405.D

Acq: 28 Mar 2019 21:50

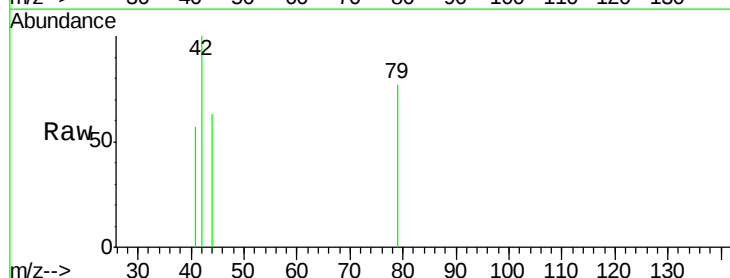
Tgt Ion: 42 Resp: 1037

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

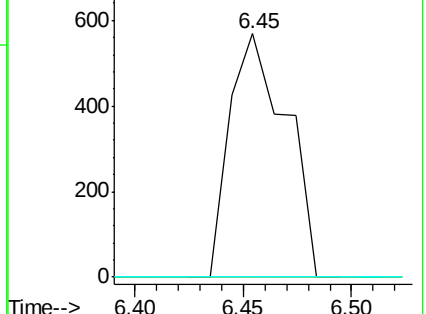
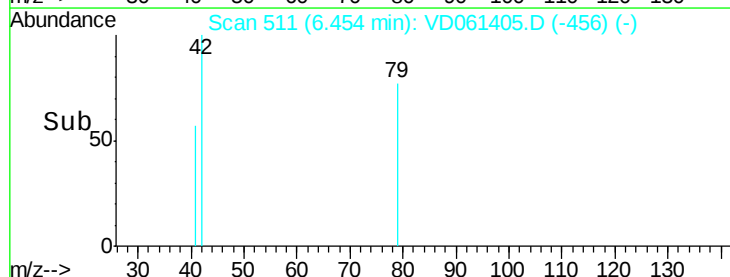
71 0.0 36.7 55.1#

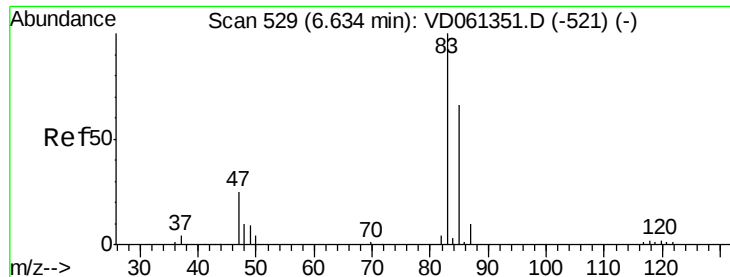


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

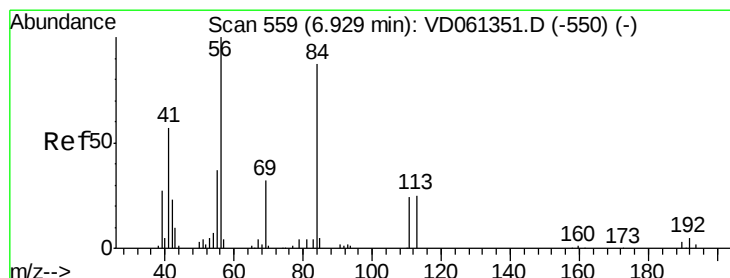
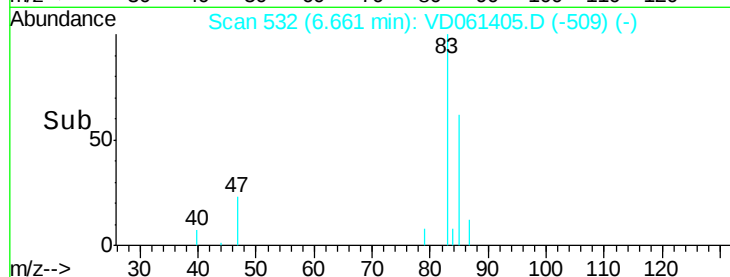
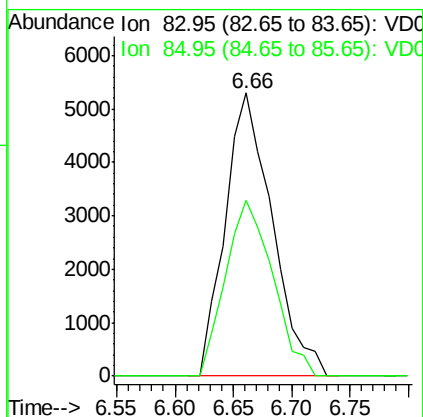
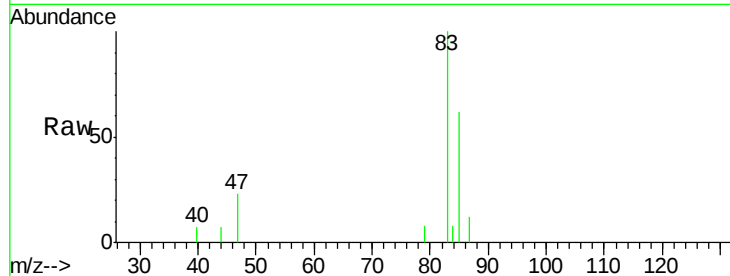




#30
Chloroform
Concen: 1.525 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.03 min
Lab File: VD061405.D
Acq: 28 Mar 2019 21:50

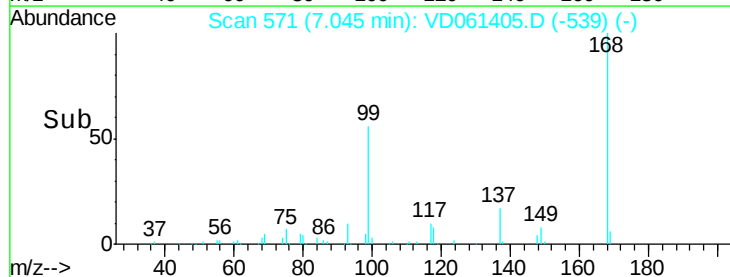
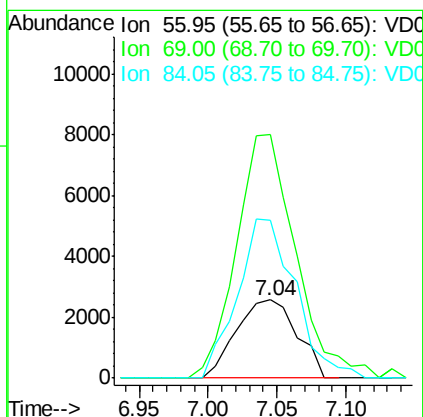
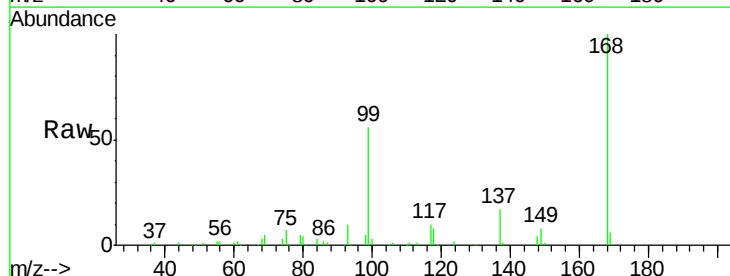
Instrument :
MSVOA_D
ClientSampleId :
S5(15)

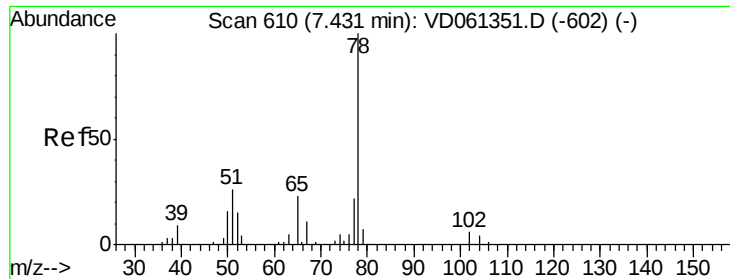
Tot Ion: 83 Resp: 14794
Ion Ratio Lower Upper
83 100
85 62.1 53.0 79.4



#31
Cyclohexane
Concen: 1.050 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.12 min
Lab File: VD061405.D
Acq: 28 Mar 2019 21:50

Tgt Ion: 56 Resp: 7791
Ion Ratio Lower Upper
56 100
69 312.0 25.7 38.5#
84 202.8 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061405.D

Acq: 28 Mar 2019 21:50

Instrument :

MSVOA_D

ClientSampleId :

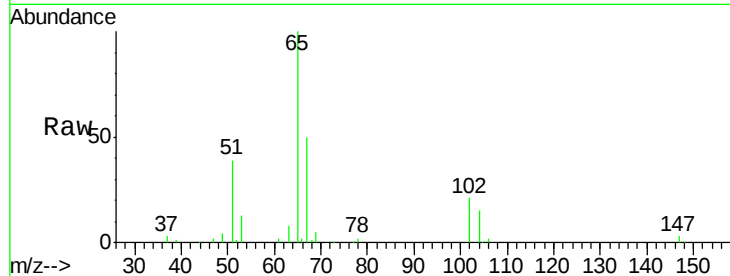
S5(15)

Tot Ion: 65 Resp: 194147

Ion Ratio Lower Upper

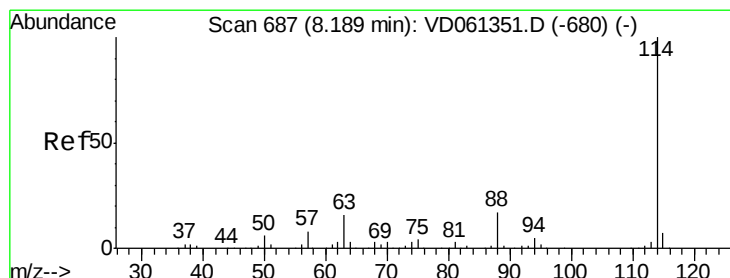
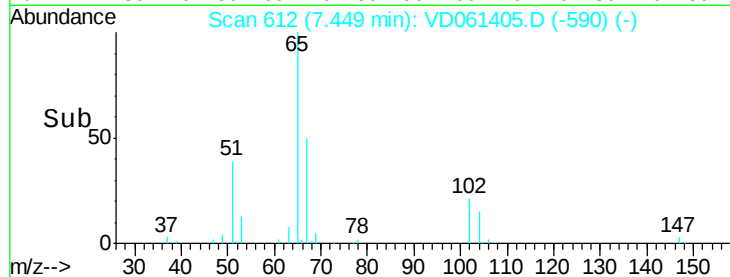
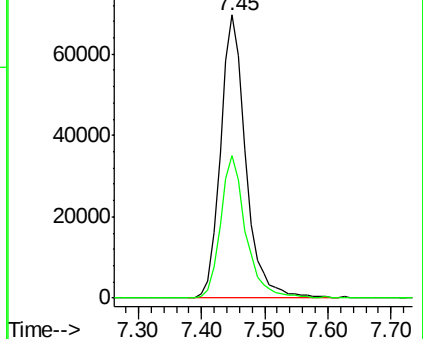
65 100

67 50.3 0.0 99.8



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: 8.22 min Scan# 690

Delta R.T. 0.03 min

Lab File: VD061405.D

Acq: 28 Mar 2019 21:50

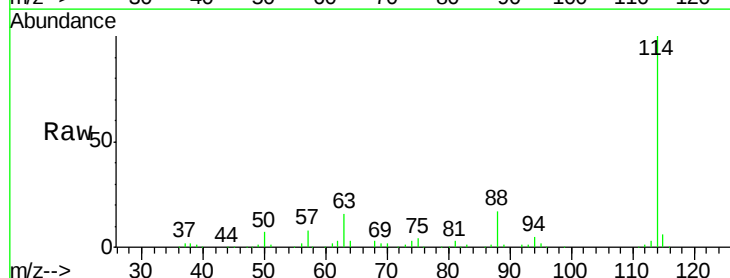
Tgt Ion: 114 Resp: 880475

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.6

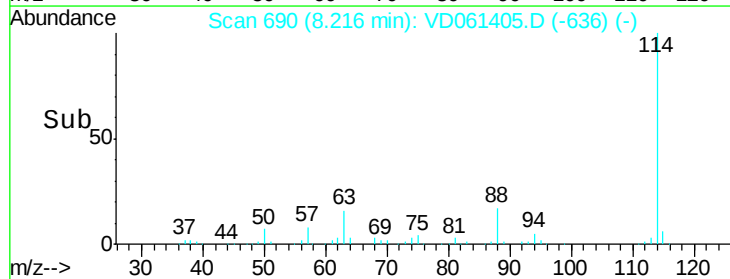
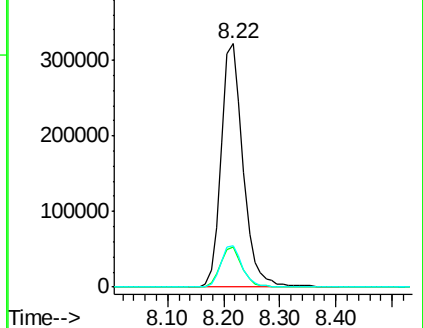
88 17.0 0.0 33.4

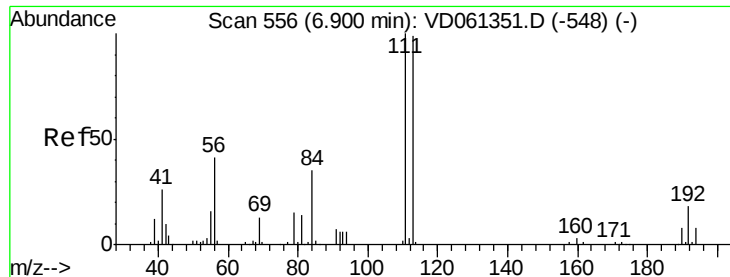


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD061405.D

Acq: 28 Mar 2019 21:50

Instrument :

MSVOA_D

ClientSampleId :

S5(15)

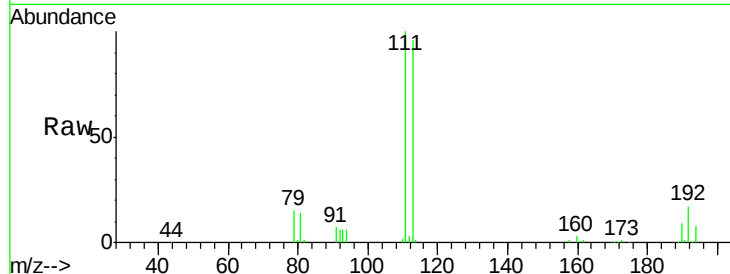
Tot Ion:113 Resp: 333772

Ion Ratio Lower Upper

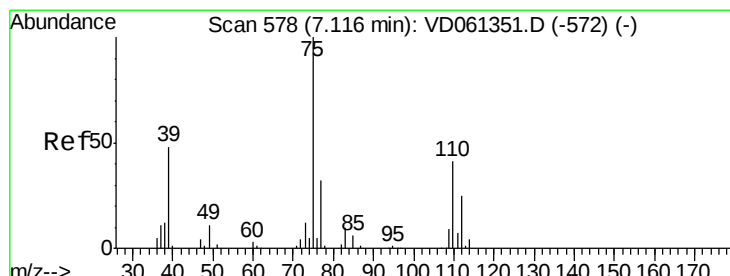
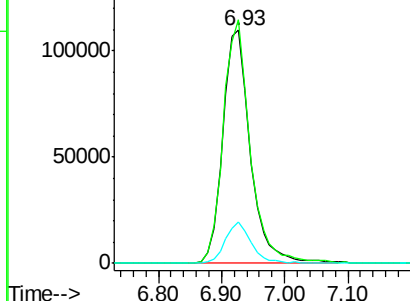
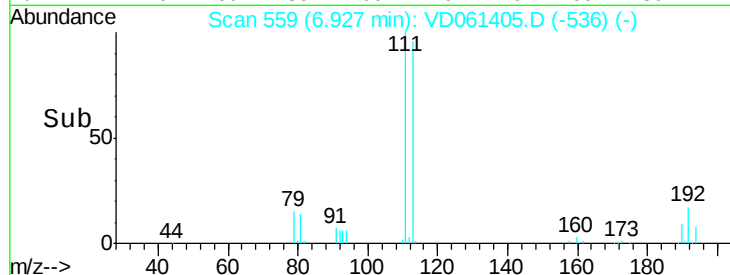
113 100

111 104.6 81.0 121.6

192 17.6 14.4 21.6



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: 5.002 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061405.D

Acq: 28 Mar 2019 21:50

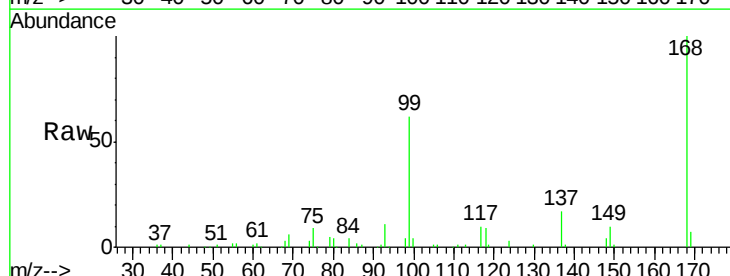
Tgt Ion: 75 Resp: 38435

Ion Ratio Lower Upper

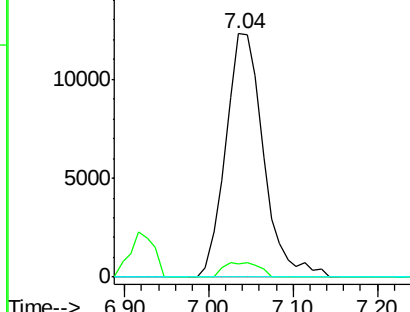
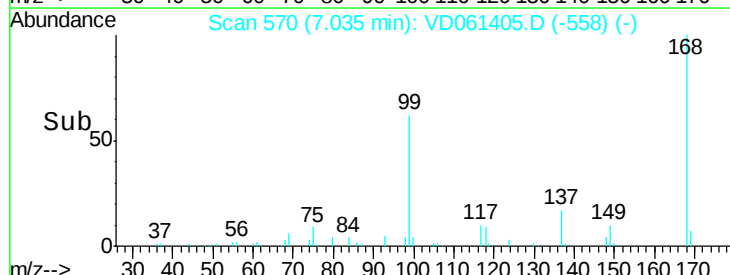
75 100

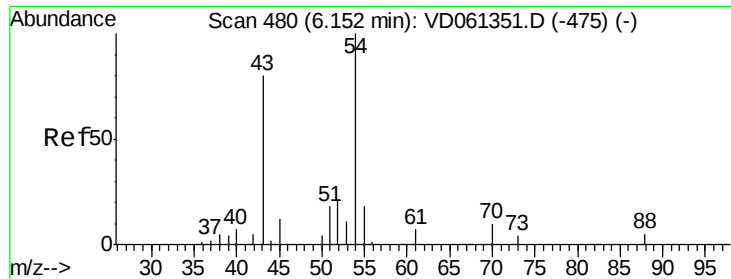
110 5.5 20.4 61.3#

77 0.0 24.9 37.3#



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

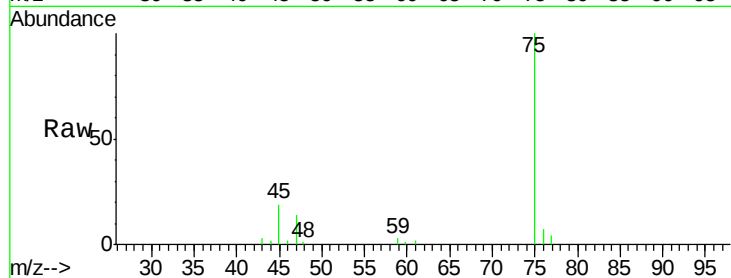




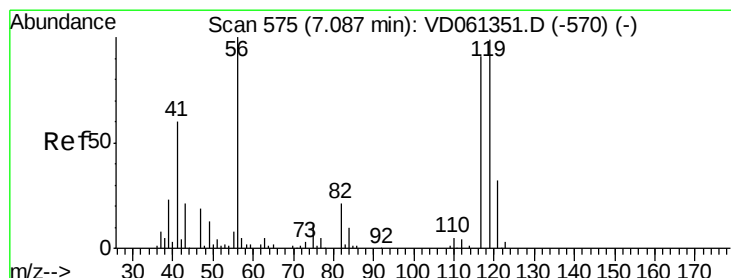
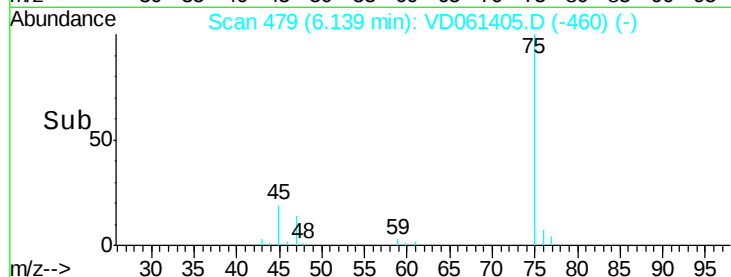
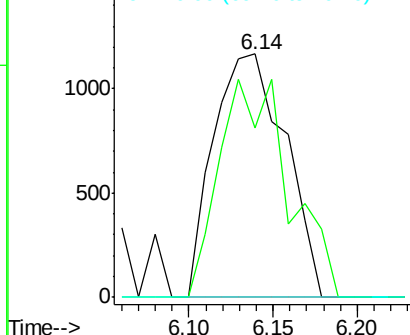
#37
Ethyl Acetate
Concen: 1.049 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.01 min
Lab File: VD061405.D
Acq: 28 Mar 2019 21:50

Instrument :
MSVOA_D
ClientSampleId :
S5(15)

Tot Ion: 43 Resp: 3449
Ion Ratio Lower Upper
43 100
61 69.4 13.8 20.8#
70 0.0 7.8 11.8#

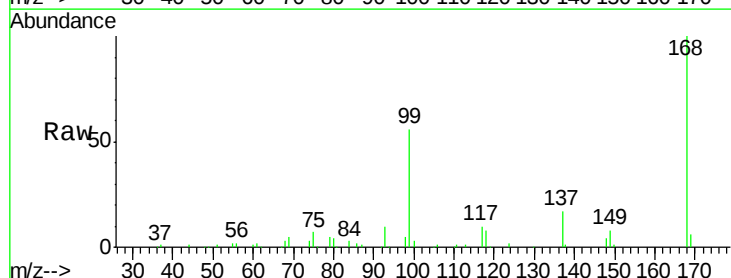


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

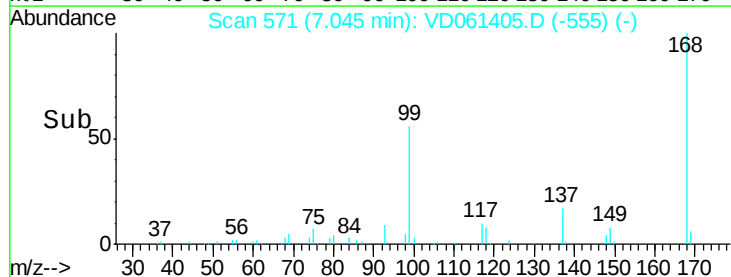
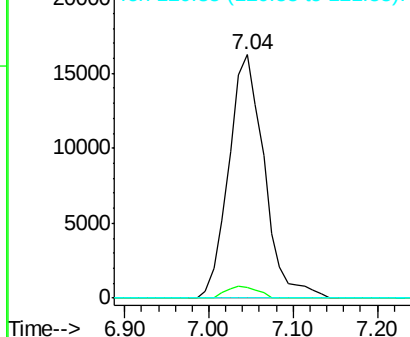


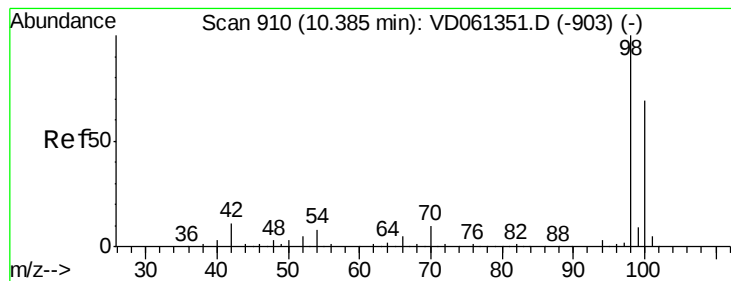
#38
Carbon Tetrachloride
Concen: 5.407 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD061405.D
Acq: 28 Mar 2019 21:50

Tgt Ion: 117 Resp: 47742
Ion Ratio Lower Upper
117 100
119 4.6 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. 0.02 min

Lab File: VD061405.D

Acq: 28 Mar 2019 21:50

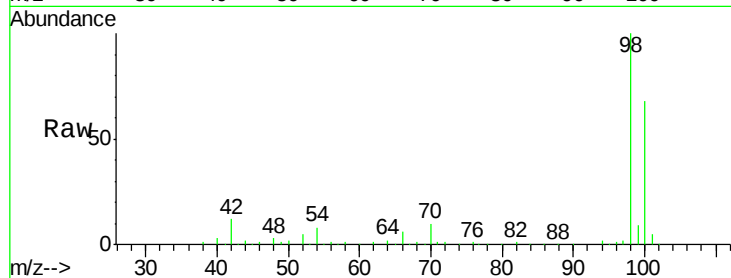
Instrument :
MSVOA_D
ClientSampleId :
S5(15)

Tot Ion: 98 Resp: 817577

Ion Ratio Lower Upper

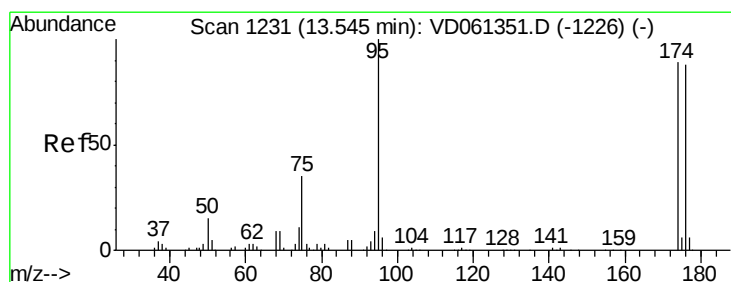
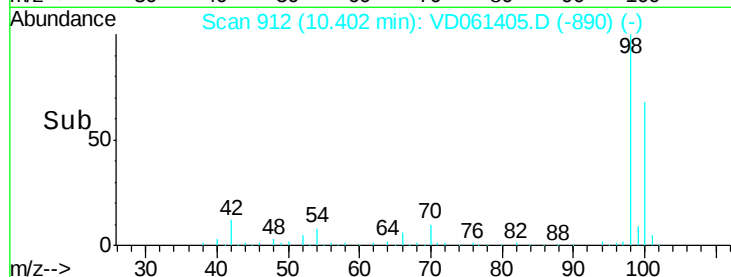
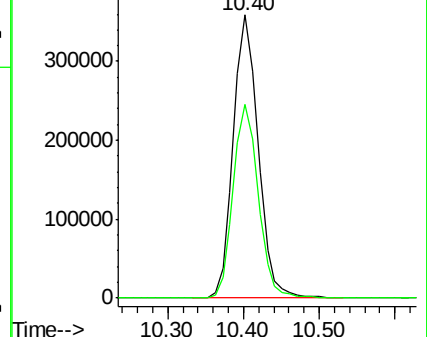
98 100

100 68.3 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)

Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061405.D

Acq: 28 Mar 2019 21:50

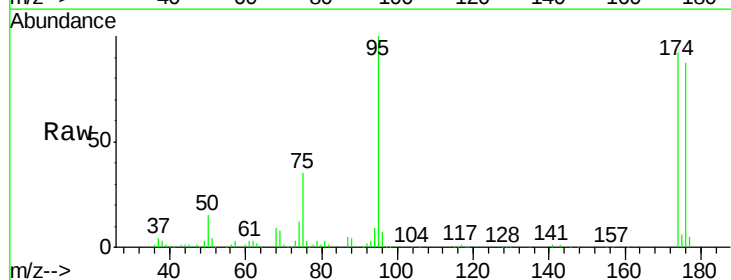
Tgt Ion: 95 Resp: 320749

Ion Ratio Lower Upper

95 100

174 91.8 0.0 178.0

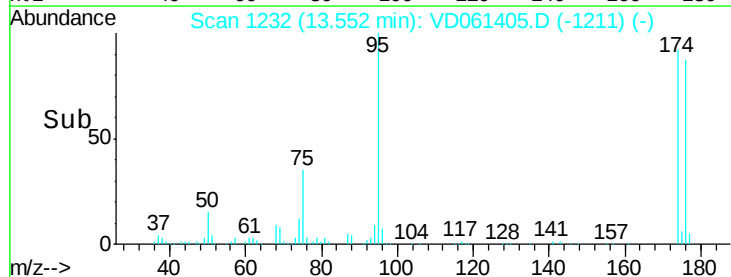
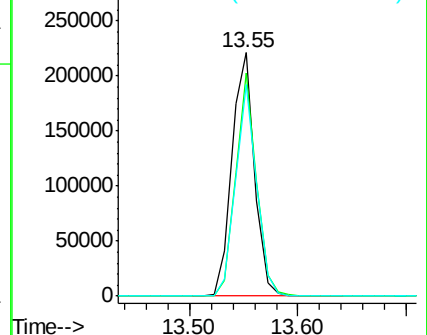
176 87.1 0.0 175.0

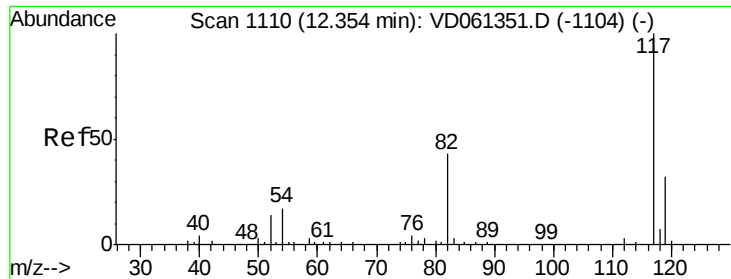


Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)

Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)

Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)

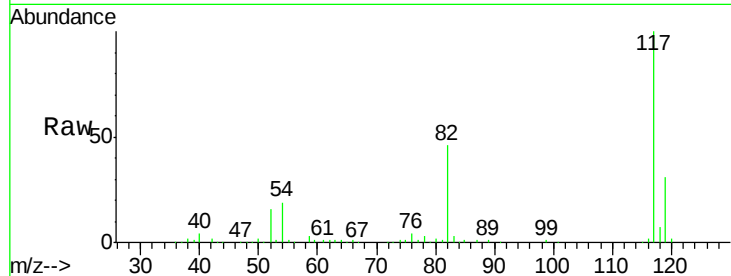




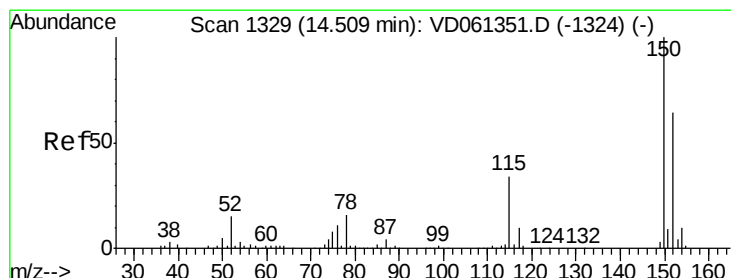
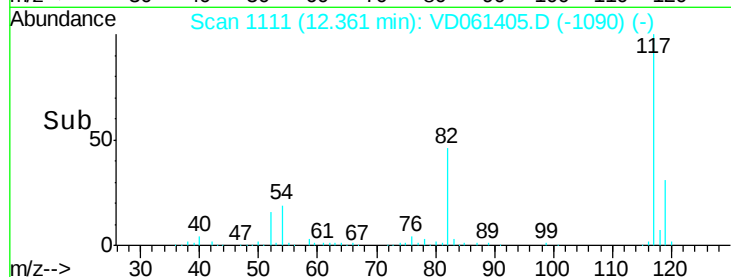
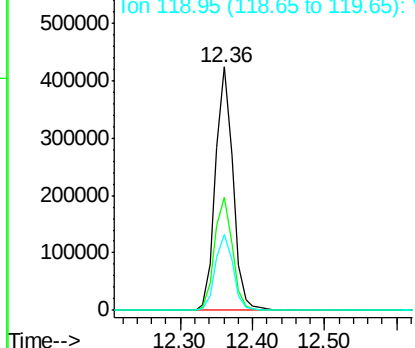
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061405.D
Acq: 28 Mar 2019 21:50

Instrument :
MSVOA_D
ClientSampleId :
S5(15)

Tot Ion:117 Resp: 699835
Ion Ratio Lower Upper
117 100
82 46.4 34.4 51.6
119 31.4 25.8 38.6

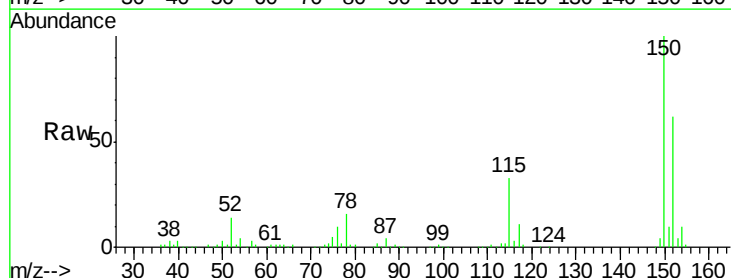


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

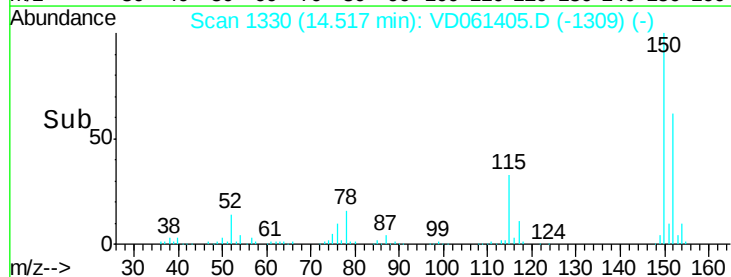
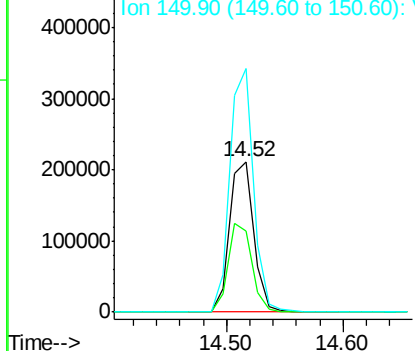


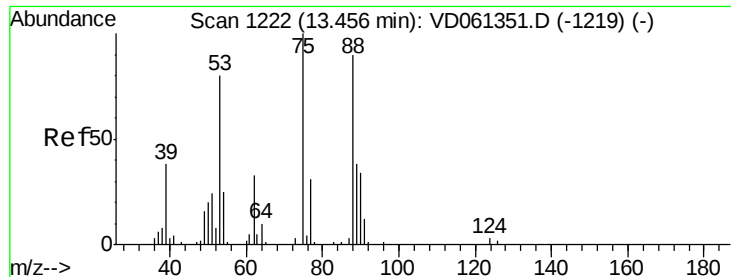
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061405.D
Acq: 28 Mar 2019 21:50

Tgt Ion:152 Resp: 304391
Ion Ratio Lower Upper
152 100
115 53.9 26.9 80.6
150 161.7 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





#81

trans-1,4-Dichloro-2-butene

Concen: 87.515 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.10 min

Lab File: VD061405.D

Acq: 28 Mar 2019 21:50

Instrument :

MSVOA_D

ClientSampleId :

S5(15)

Tot Ion: 75 Resp: 117327

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

