

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\
 Data File : VD061379.D
 Acq On : 28 Mar 2019 5:29
 Operator : VA/AP
 Sample : K2090-01
 Misc : 6.37g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-5(0-10)

Quant Time: Mar 28 07:44:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	577282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.18	114	1031232	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	803940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	240864	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	199314	40.42	ug/l	0.00
Spiked Amount			Recovery	=	80.84%	
35) Dibromofluoromethane	6.89	113	300094	38.08	ug/l	0.00
Spiked Amount			Recovery	=	76.16%	
50) Toluene-d8	10.38	98	598875	31.68	ug/l	0.00
Spiked Amount			Recovery	=	63.36%	
62) 4-Bromofluorobenzene	13.54	95	204284	28.18	ug/l	0.00
Spiked Amount			Recovery	=	56.36%	

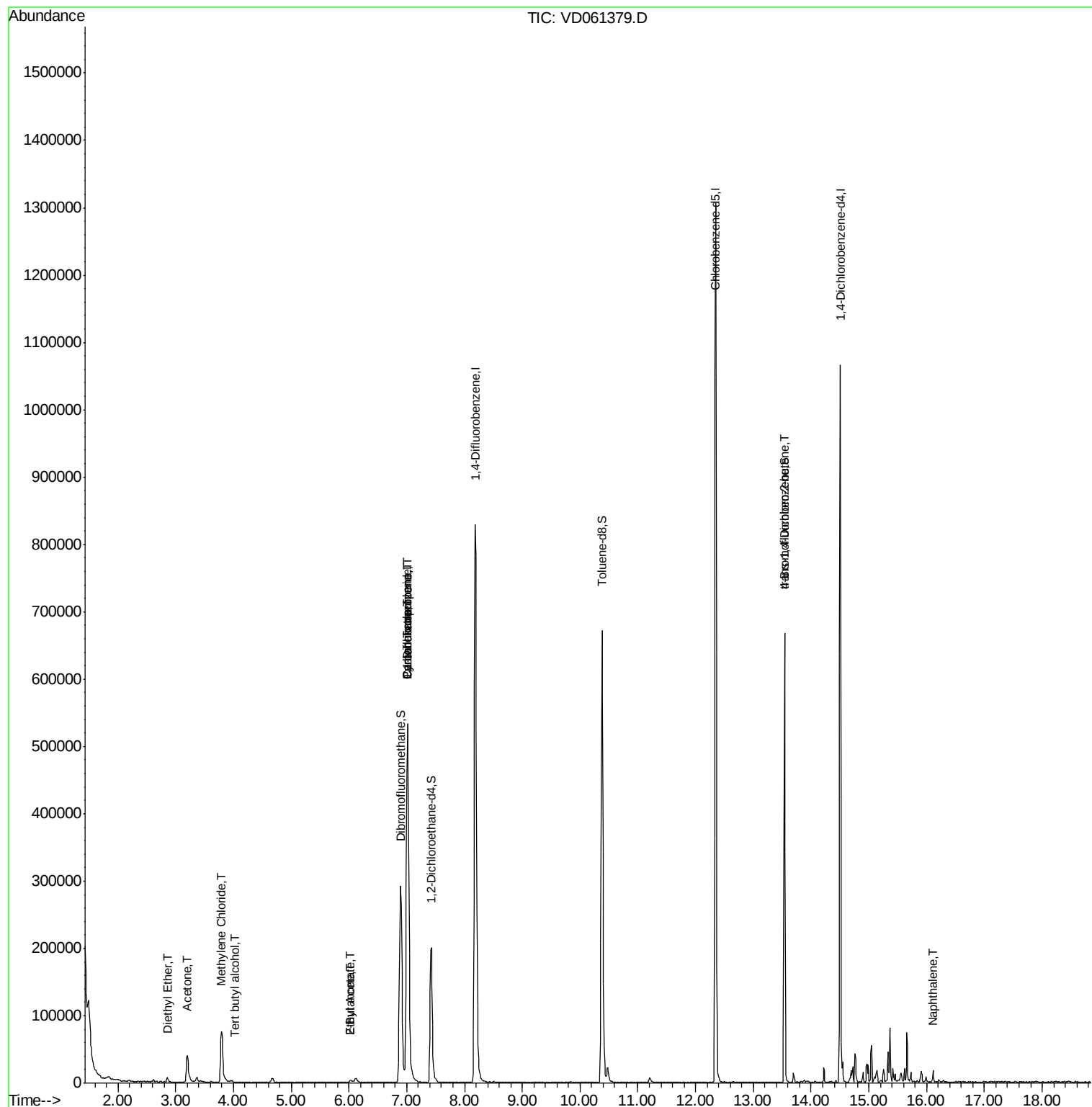
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.86	74	2784	1.288	ug/l	99
11) Tert butyl alcohol	4.02	59	670	2.182	ug/l #	76
16) Acetone	3.20	43	76739	60.534	ug/l	97
20) Methylene Chloride	3.79	84	57658	6.447	ug/l	92
25) 2-Butanone	6.03	43	8451	5.300	ug/l	94
31) Cyclohexane	7.01	56	10346	1.218	ug/l #	1
36) 1,1-Dichloropropene	7.01	75	43027	4.781	ug/l #	45
37) Ethyl Acetate	6.03	43	8451	2.196	ug/l #	65
38) Carbon Tetrachloride	7.01	117	55253	5.392	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.54	75	74501	70.227	ug/l #	18
95) Naphthalene	16.11	128	9837	2.052	ug/l	98

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 02:13:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.01 min

Lab File: VD061379.D

Acq: 28 Mar 2019 5:29

Instrument :

MSVOA_D

ClientSampleId :

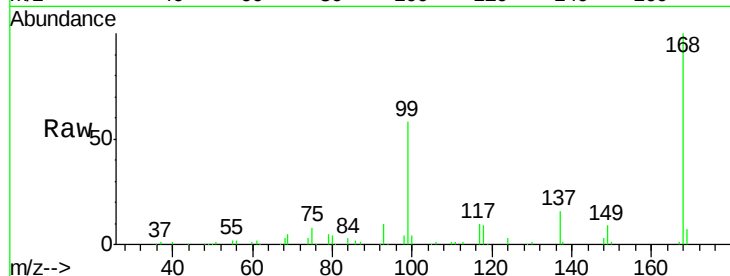
P-5(0-10)

Tot Ion:168 Resp: 577282

Ion Ratio Lower Upper

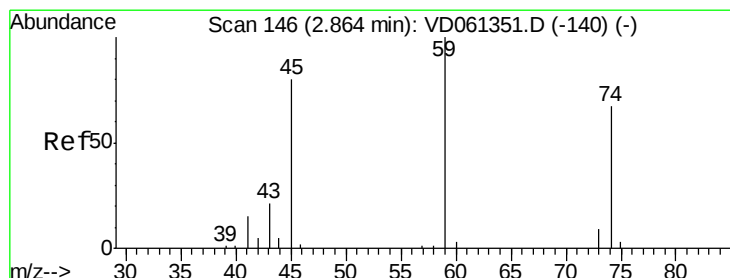
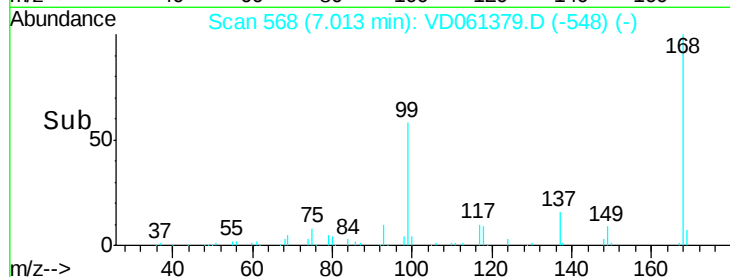
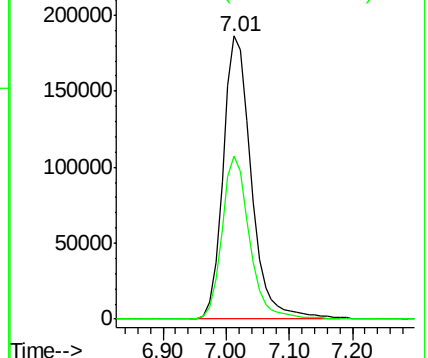
168 100

99 57.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.288 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD061379.D

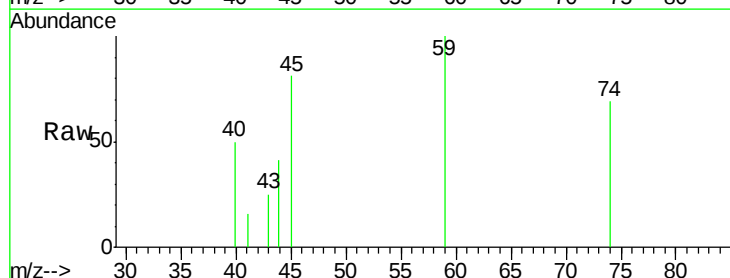
Acq: 28 Mar 2019 5:29

Tgt Ion: 74 Resp: 2784

Ion Ratio Lower Upper

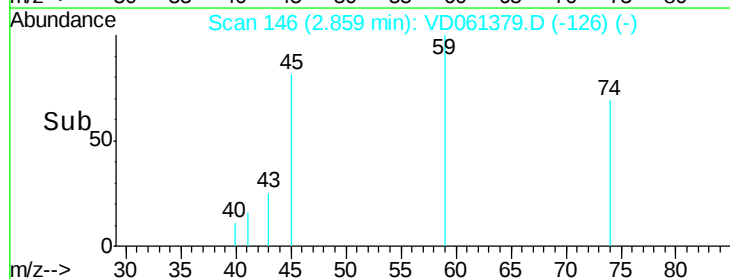
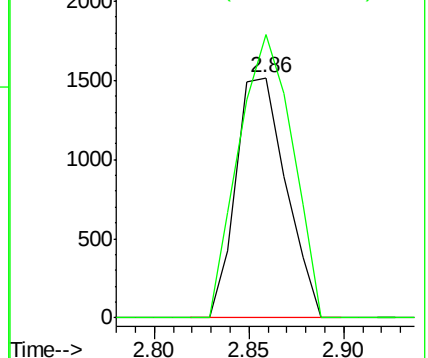
74 100

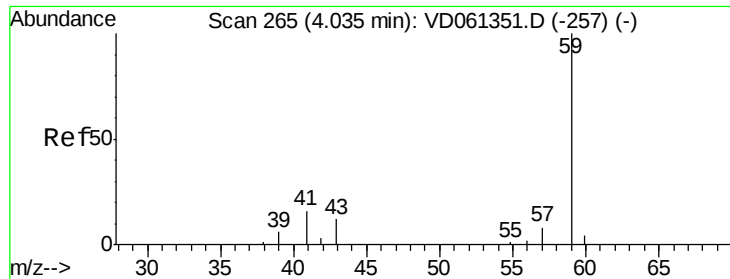
45 117.9 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

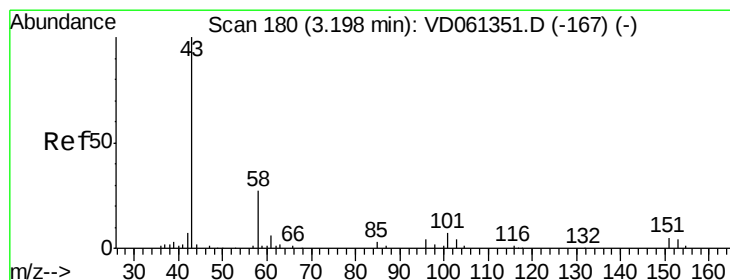
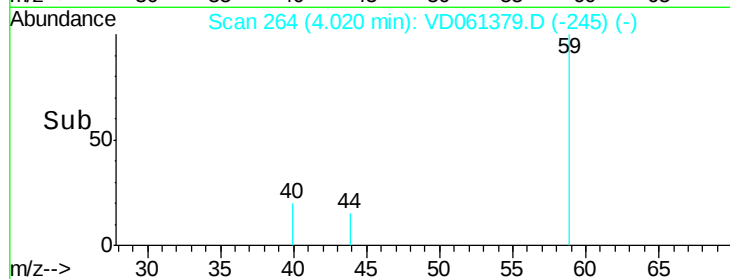
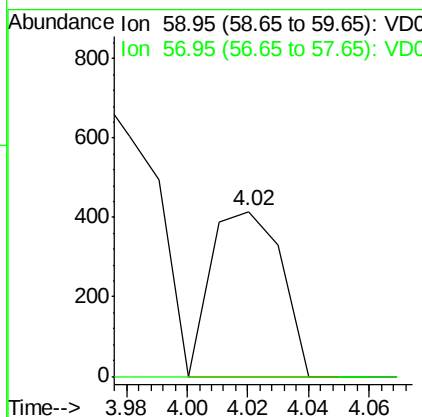
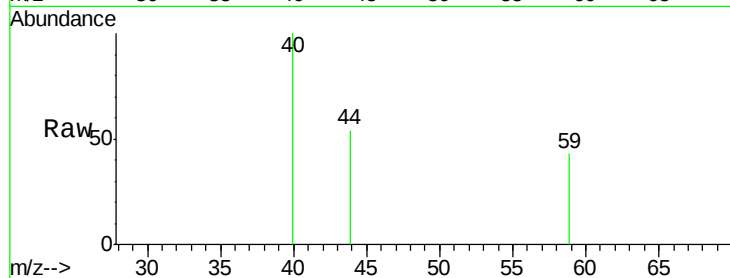




#11
Tert butyl alcohol
Concen: 2.182 ug/l
RT: 4.02 min Scan# 264
Delta R.T. -0.01 min
Lab File: VD061379.D
Acq: 28 Mar 2019 5:29

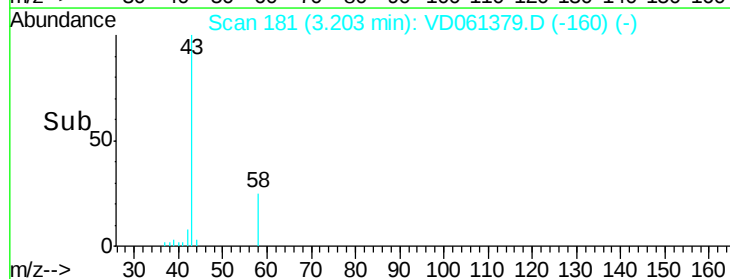
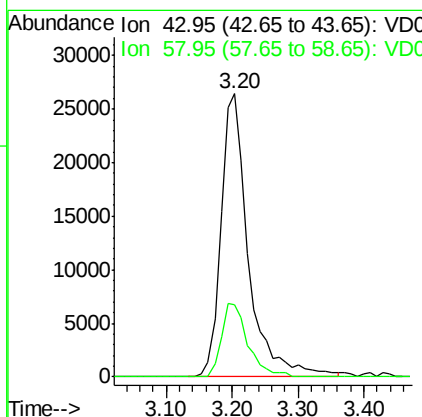
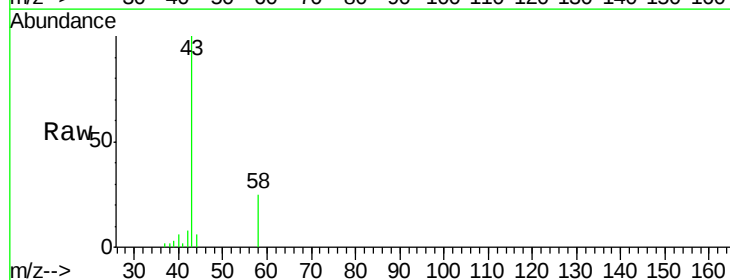
Instrument :
MSVOA_D
ClientSampleId :
P-5(0-10)

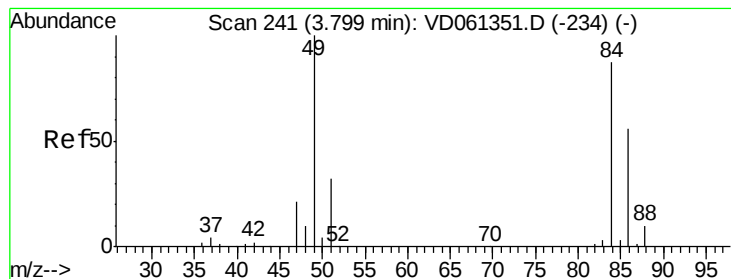
Tot Ion: 59 Resp: 670
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#



#16
Acetone
Concen: 60.534 ug/l
RT: 3.20 min Scan# 181
Delta R.T. 0.00 min
Lab File: VD061379.D
Acq: 28 Mar 2019 5:29

Tgt Ion: 43 Resp: 76739
Ion Ratio Lower Upper
43 100
58 25.4 21.5 32.3





#20

Methvlene Chloride

Concen: 6.447 ug/l

RT: 3.79 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD061379.D

Acq: 28 Mar 2019 5:29

Instrument :

MSVOA_D

ClientSampleId :

P-5(0-10)

Tot Ion: 84 Resp: 57658

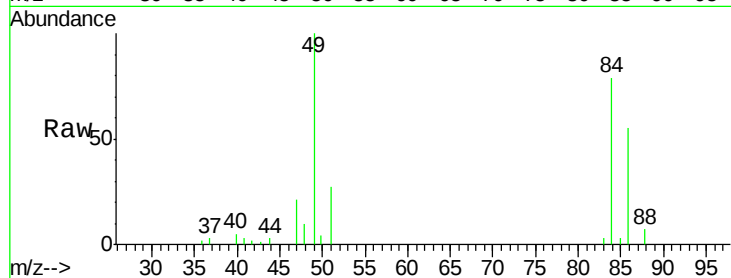
Ion Ratio Lower Upper

84 100

49 126.5 91.8 137.8

51 34.0 29.8 44.8

86 69.1 51.8 77.6

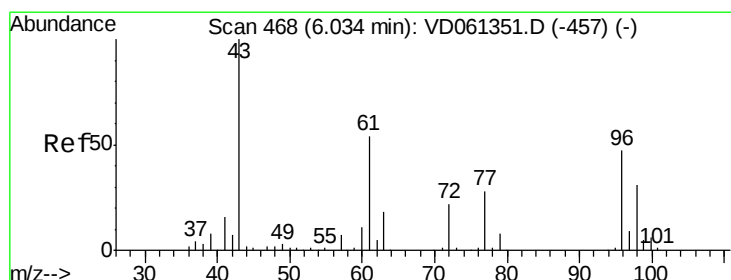
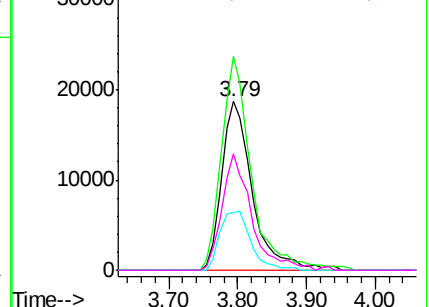
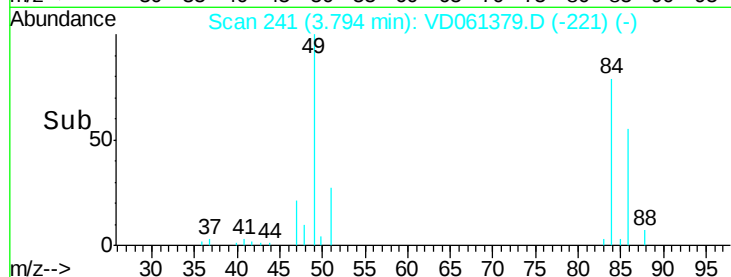


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#25

2-Butanone

Concen: 5.300 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD061379.D

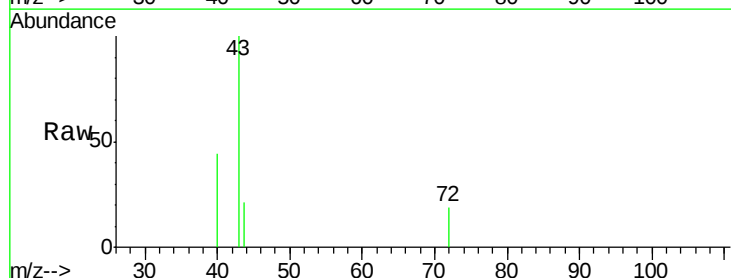
Acq: 28 Mar 2019 5:29

Tgt Ion: 43 Resp: 8451

Ion Ratio Lower Upper

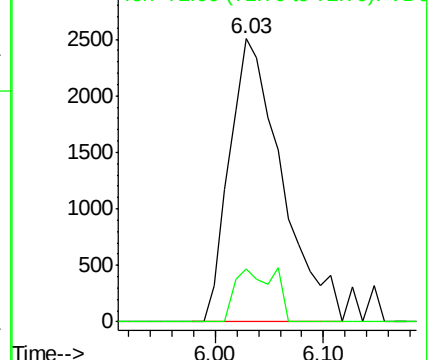
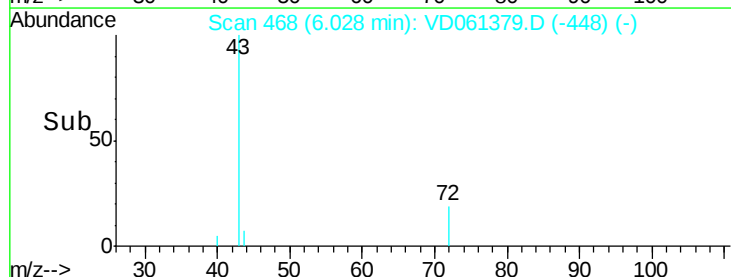
43 100

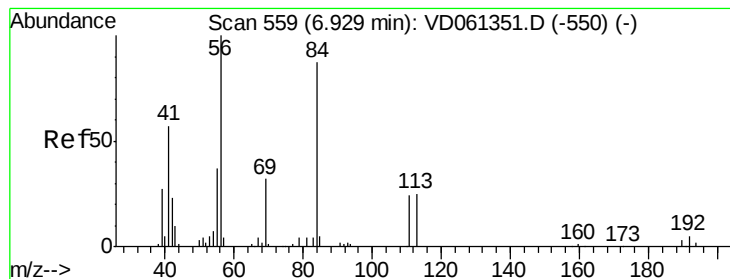
72 18.6 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.218 ug/l

RT: 7.01 min Scan# 568

Delta R.T. 0.08 min

Lab File: VD061379.D

Acq: 28 Mar 2019 5:29

Instrument :

MSVOA_D

ClientSampleId :

P-5(0-10)

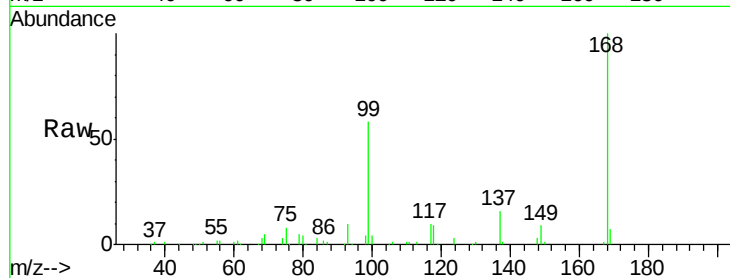
Tot Ion: 56 Resp: 10346

Ion Ratio Lower Upper

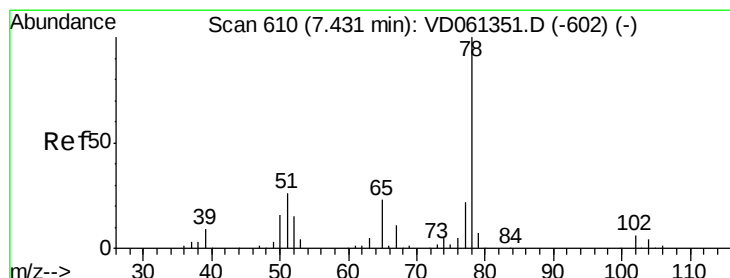
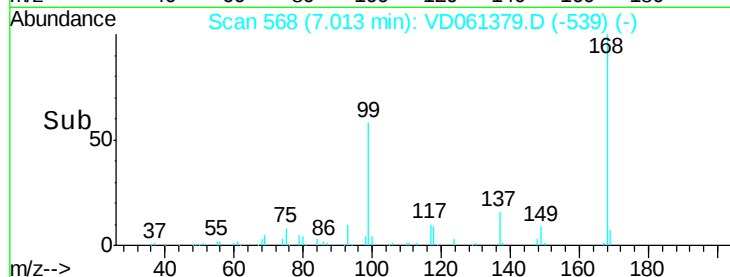
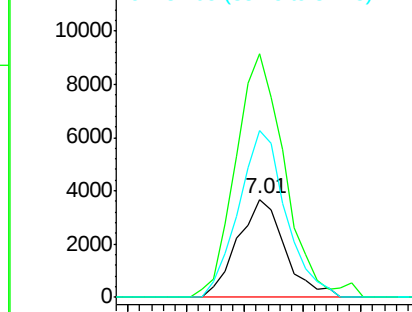
56 100

69 248.2 25.7 38.5#

84 169.5 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: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061379.D

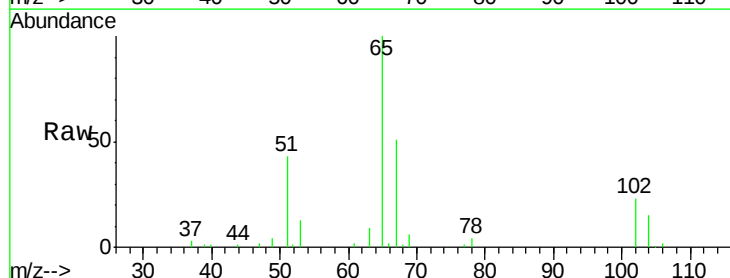
Acq: 28 Mar 2019 5:29

Tgt Ion: 65 Resp: 199314

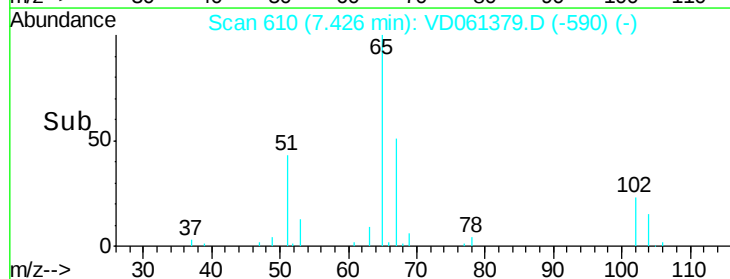
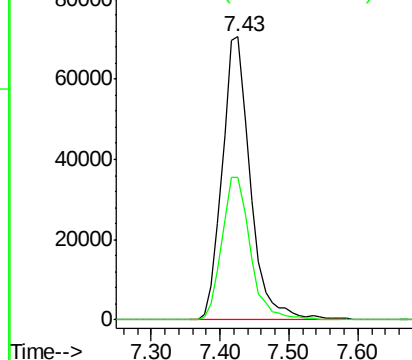
Ion Ratio Lower Upper

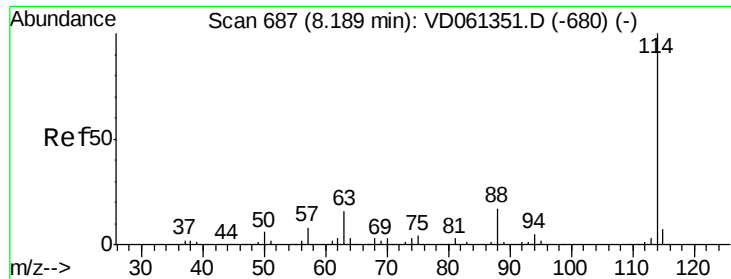
65 100

67 50.6 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

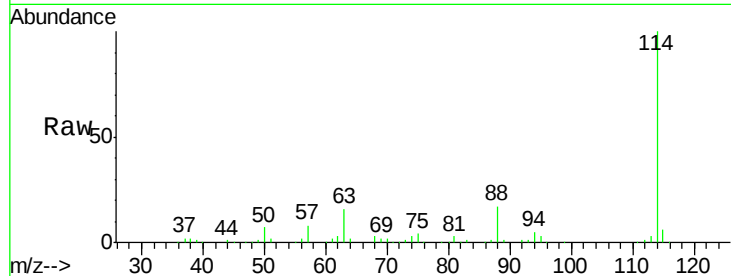




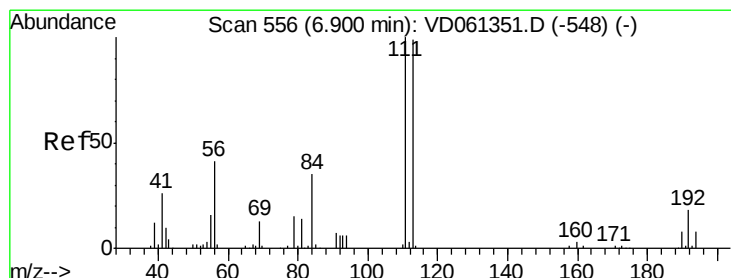
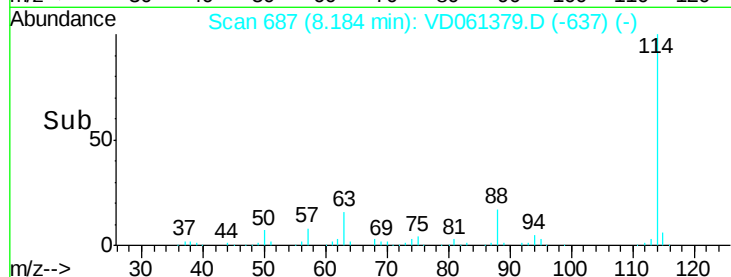
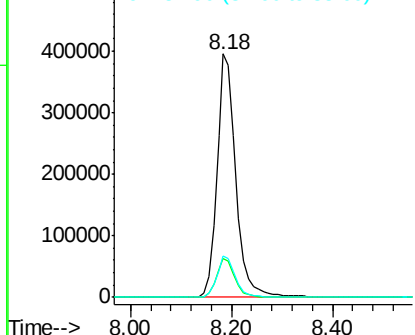
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.18 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: VD061379.D
 Acq: 28 Mar 2019 5:29

Instrument :
 MSVOA_D
 ClientSampleId :
 P-5(0-10)

Tot Ion:114 Resp: 1031232
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.6
 88 17.1 0.0 33.4

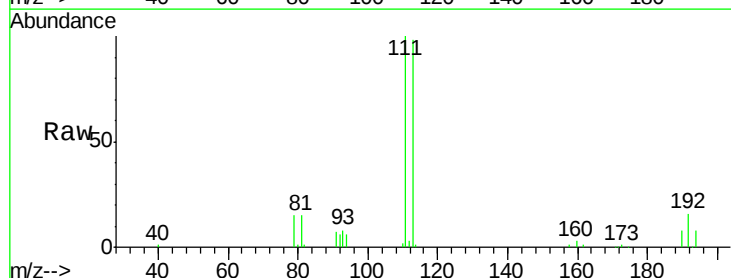


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

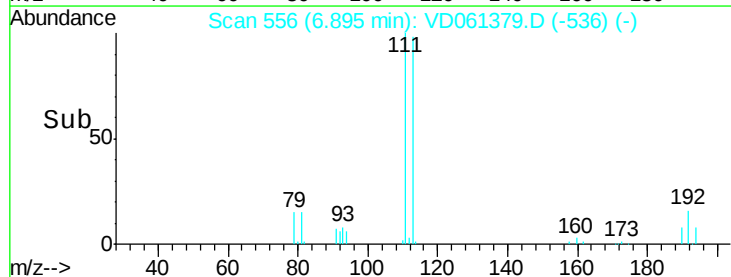
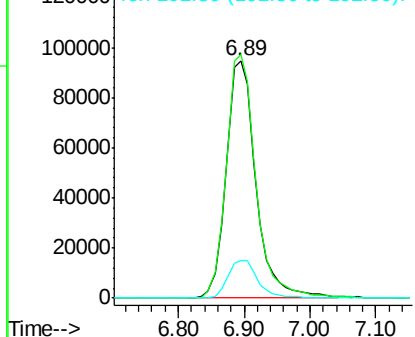


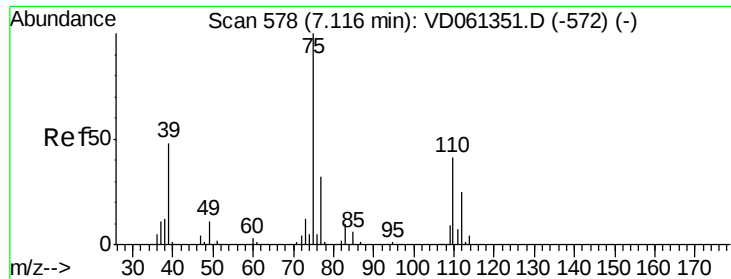
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.89 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: VD061379.D
 Acq: 28 Mar 2019 5:29

Tgt Ion:113 Resp: 300094
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.0 121.6
 192 16.0 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: 4.781 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD061379.D

Acq: 28 Mar 2019 5:29

Instrument :

MSVOA_D

ClientSampleId :

P-5(0-10)

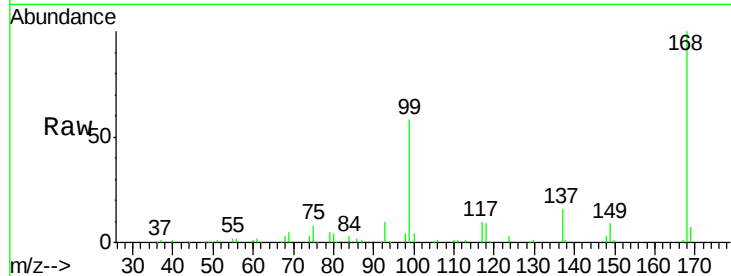
Tot Ion: 75 Resp: 43027

Ion Ratio Lower Upper

75 100

110 7.4 20.4 61.3#

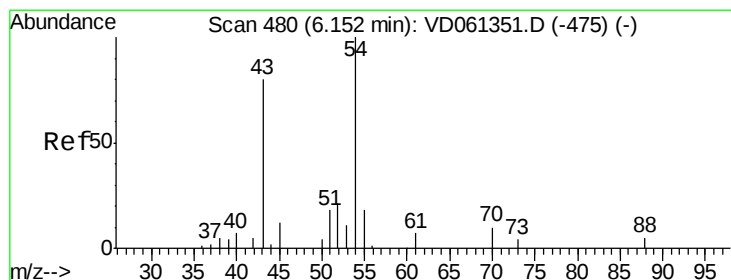
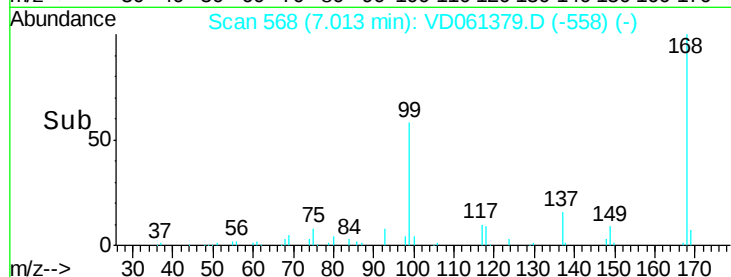
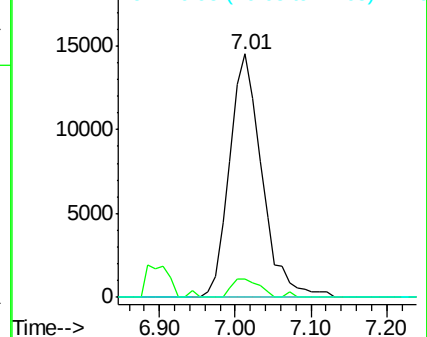
77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 2.196 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.12 min

Lab File: VD061379.D

Acq: 28 Mar 2019 5:29

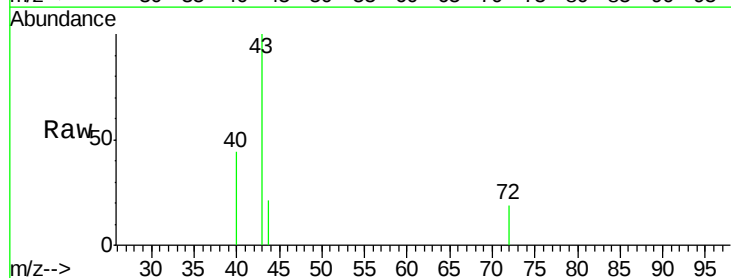
Tgt Ion: 43 Resp: 8451

Ion Ratio Lower Upper

43 100

61 0.0 13.8 20.8#

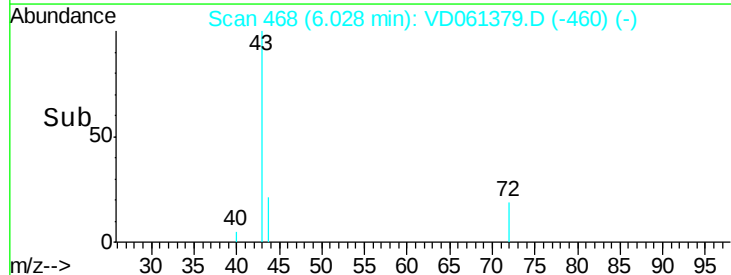
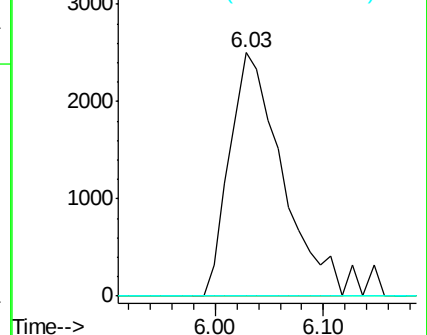
70 0.0 7.8 11.8#

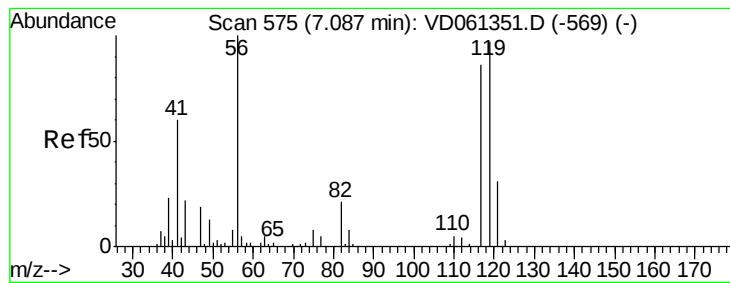


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.392 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.07 min

Lab File: VD061379.D

Acq: 28 Mar 2019 5:29

Instrument :

MSVOA_D

ClientSampleId :

P-5(0-10)

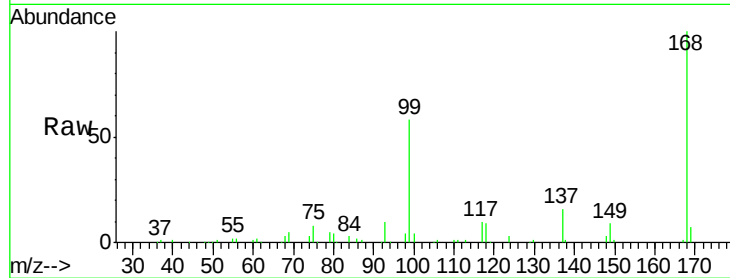
Tot Ion:117 Resp: 55253

Ion Ratio Lower Upper

117 100

119 4.0 80.1 120.1#

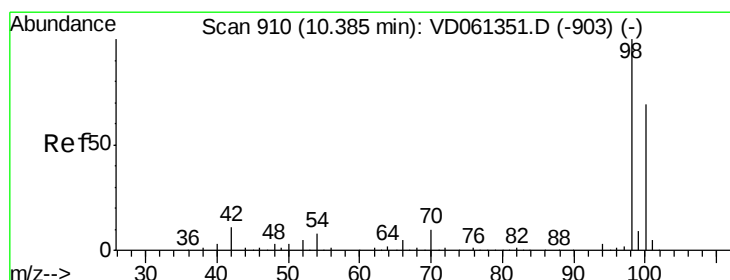
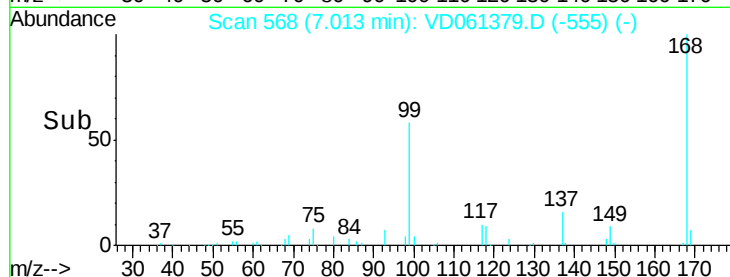
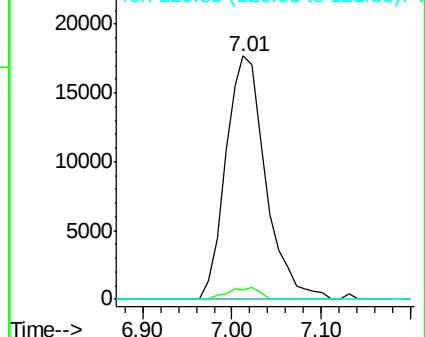
121 0.0 25.6 38.4#



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: 10.38 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD061379.D

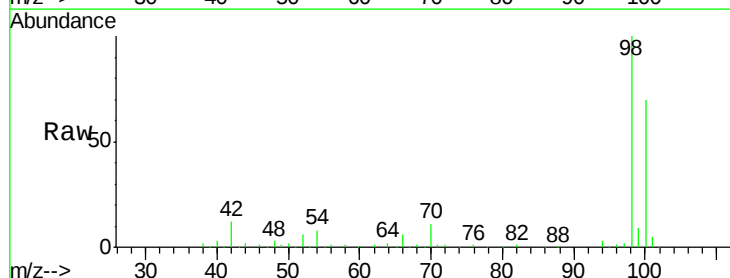
Acq: 28 Mar 2019 5:29

Tgt Ion: 98 Resp: 598875

Ion Ratio Lower Upper

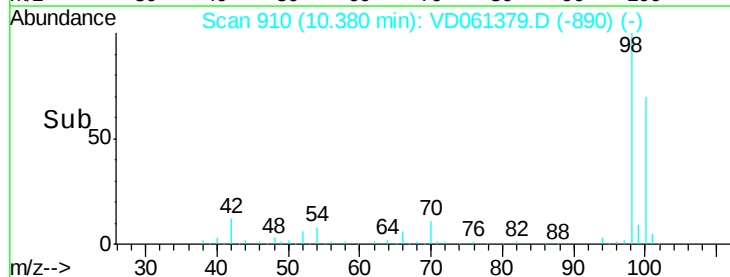
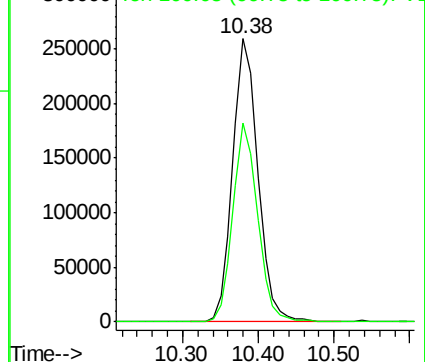
98 100

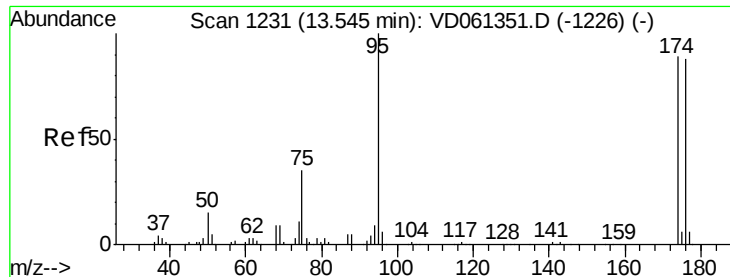
100 70.1 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

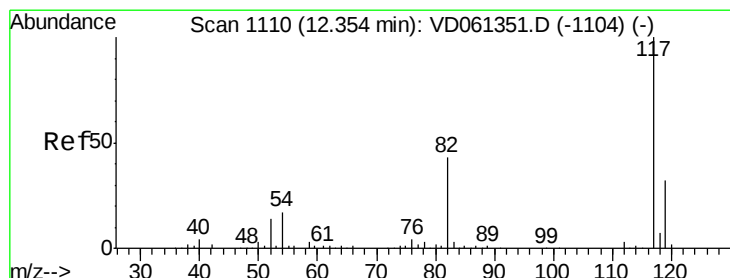
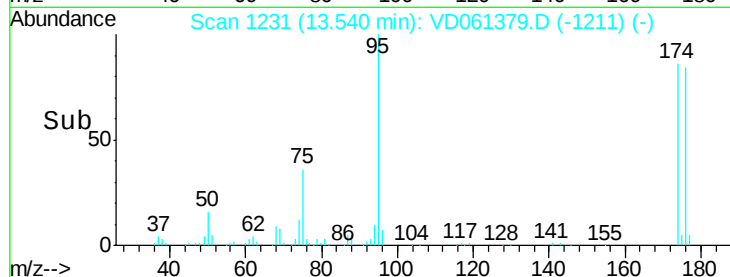
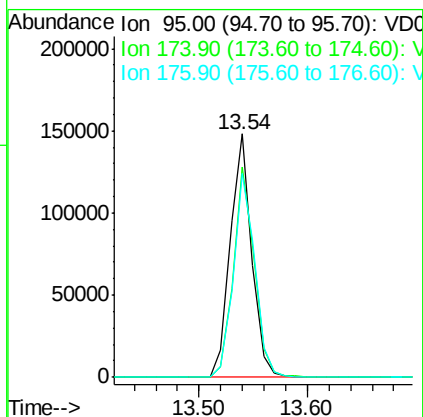
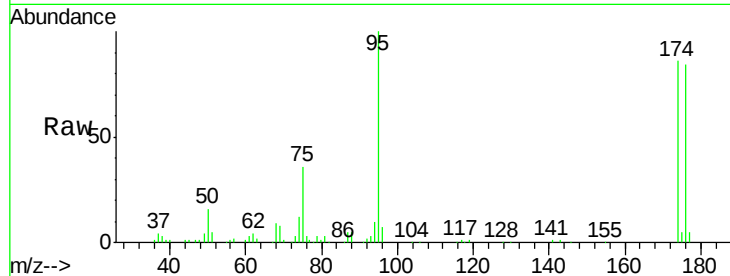




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061379.D
Acq: 28 Mar 2019 5:29

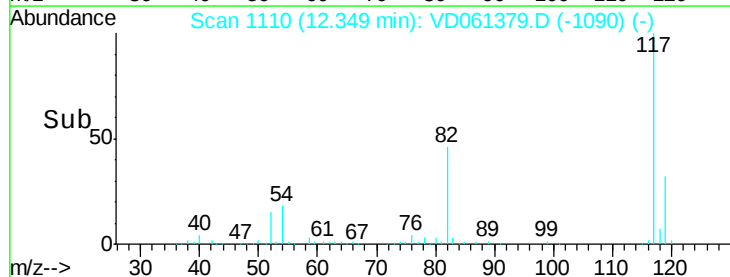
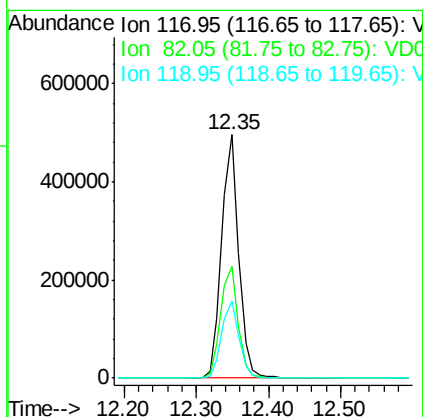
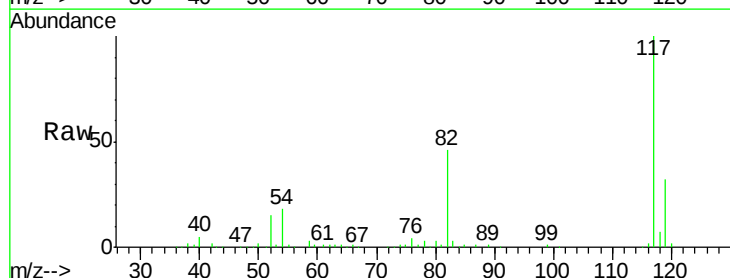
Instrument :
MSVOA_D
ClientSampleId :
P-5(0-10)

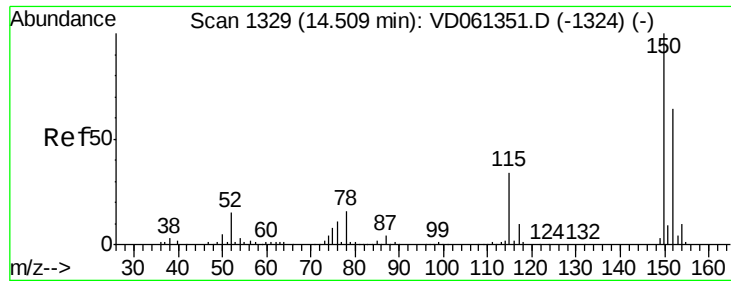
Tot Ion: 95 Resp: 204284
Ion Ratio Lower Upper
95 100
174 86.4 0.0 178.0
176 83.7 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061379.D
Acq: 28 Mar 2019 5:29

Tgt Ion: 117 Resp: 803940
Ion Ratio Lower Upper
117 100
82 45.8 34.4 51.6
119 31.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061379.D

Acq: 28 Mar 2019 5:29

Instrument :

MSVOA_D

ClientSampleId :

P-5(0-10)

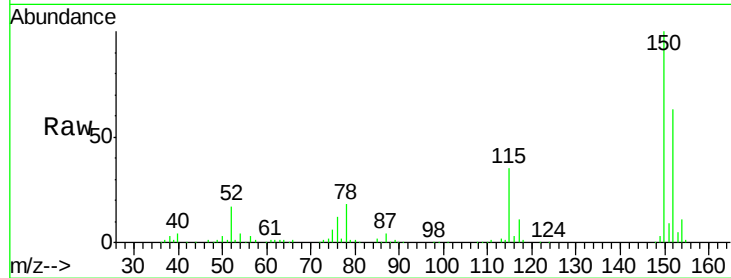
Tot Ion:152 Resp: 240864

Ion Ratio Lower Upper

152 100

115 56.3 26.9 80.6

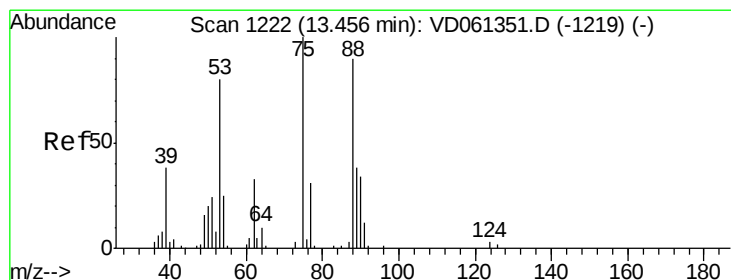
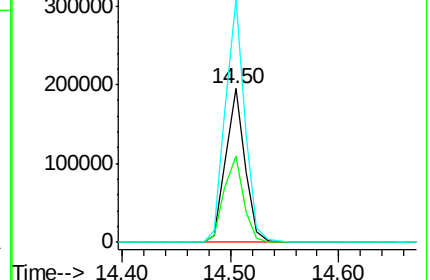
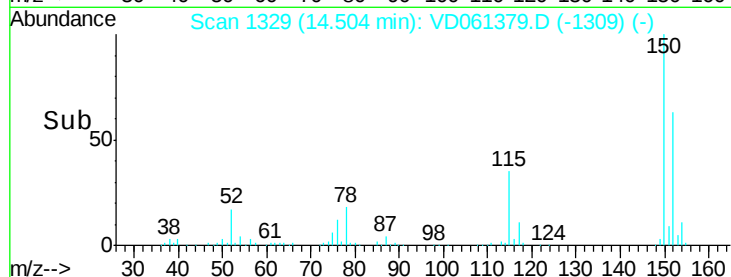
150 158.6 0.0 318.0



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: 70.227 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD061379.D

Acq: 28 Mar 2019 5:29

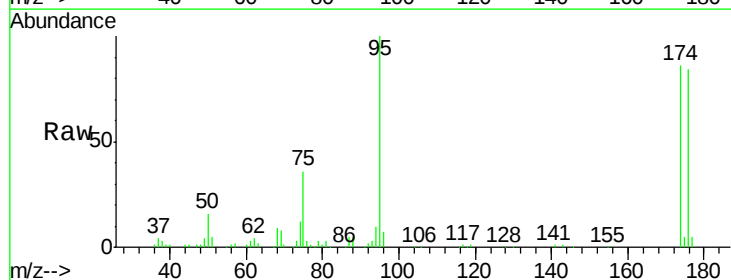
Tgt Ion: 75 Resp: 74501

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

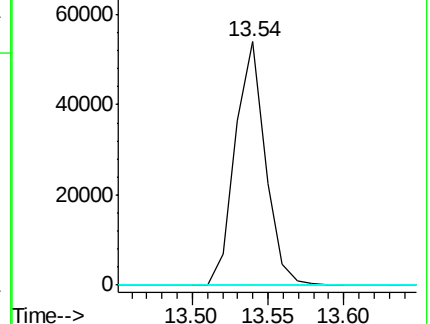
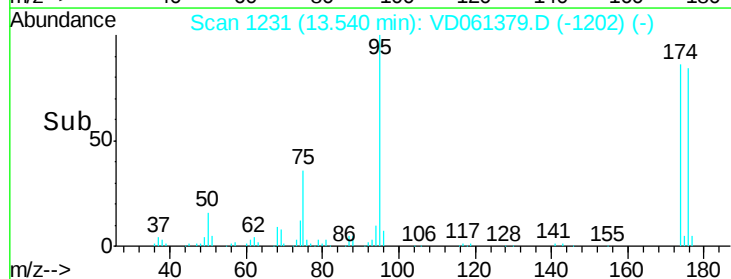
89 0.0 30.5 45.7#

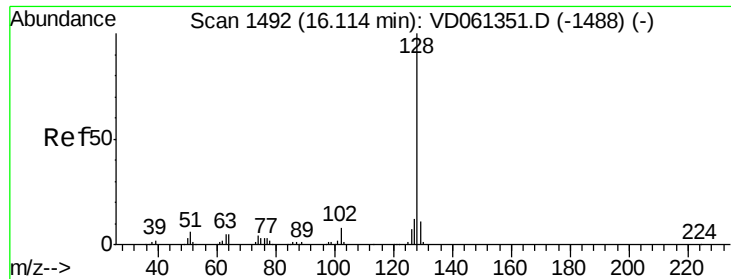


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 2.052 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD061379.D

Acq: 28 Mar 2019 5:29

Instrument :

MSVOA_D

ClientSampleId :

P-5(0-10)

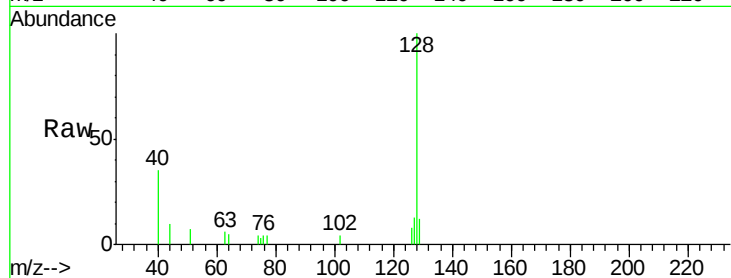
Tot Ion:128 Resp: 9837

Ion Ratio Lower Upper

128 100

127 13.1 9.9 14.9

129 11.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

