

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030819\
 Data File : VD060983.D
 Acq On : 8 Mar 2019 14:55
 Operator : VA/AP
 Sample : K1757-11
 Misc : 6.63g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6AB-S

Quant Time: Mar 08 22:05:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	856274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1507594	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1314283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	590543	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	421441	59.13	ug/l	0.00
Spiked Amount			Recovery	=	118.26%	
35) Dibromofluoromethane	6.92	113	647337	57.86	ug/l	0.00
Spiked Amount			Recovery	=	115.72%	
50) Toluene-d8	10.40	98	1647055	58.62	ug/l	0.00
Spiked Amount			Recovery	=	117.24%	
62) 4-Bromofluorobenzene	13.55	95	546821	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	

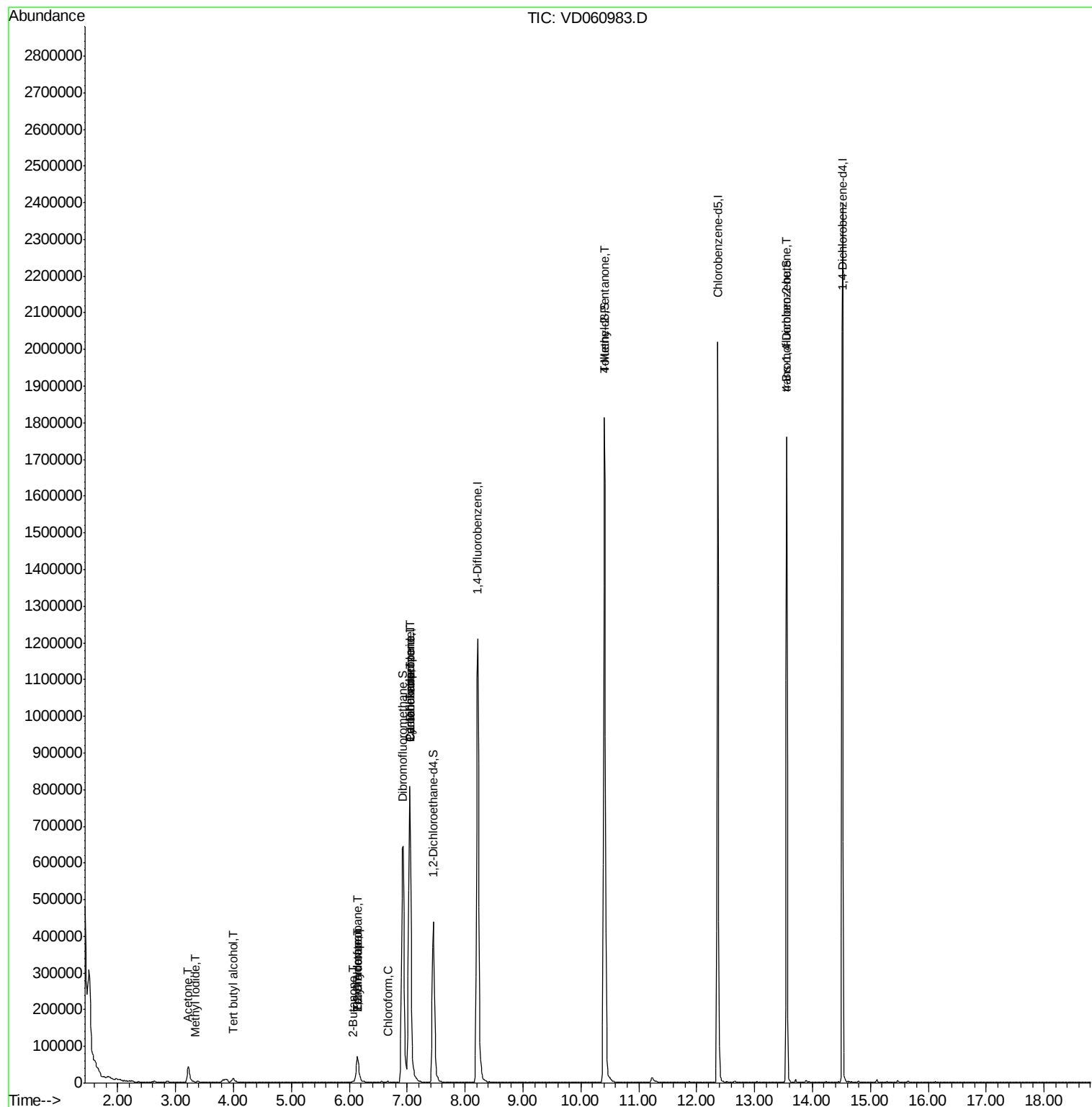
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	180	Below Cal	#	1
10) Methyl Iodide	3.34	142	273	2.952	ug/l #	39
11) Tert butyl alcohol	4.00	59	12619	27.810	ug/l #	75
16) Acetone	3.22	43	90056	44.185	ug/l	94
20) Methylene Chloride	3.82	84	5701	Below Cal		97
25) 2-Butanone	6.06	43	6817	2.948	ug/l #	87
26) 2,2-Dichloropropane	6.14	77	4996	0.409	ug/l #	50
29) Tetrahydrofuran	6.13	42	491	0.391	ug/l #	33
30) Chloroform	6.66	83	4872	0.301	ug/l #	82
31) Cyclohexane	7.05	56	14597	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	64726	4.981	ug/l #	46
37) Ethyl Acetate	6.14	43	4331	0.710	ug/l #	12
38) Carbon Tetrachloride	7.05	117	82726	5.779	ug/l #	15
51) 4-Methyl-2-Pentanone	10.40	43	7067	1.366	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	197821	78.977	ug/l #	17

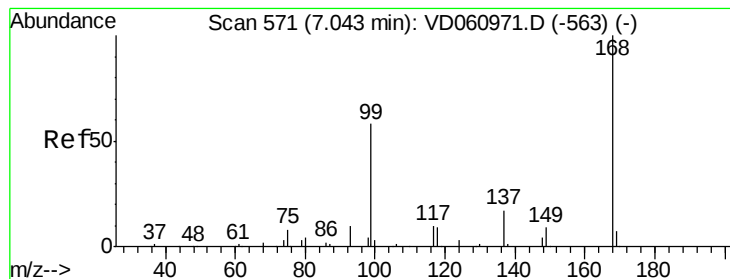
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD060983.D

Acq: 8 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

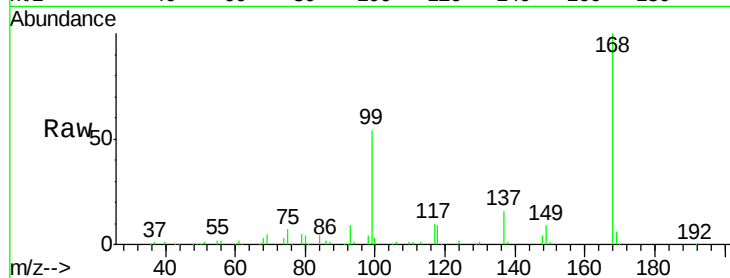
TP-6AB-S

Tot Ion:168 Resp: 856274

Ion Ratio Lower Upper

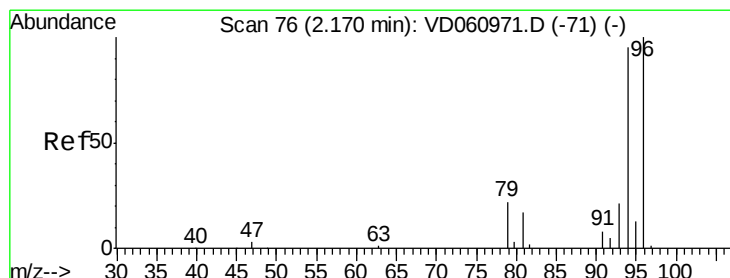
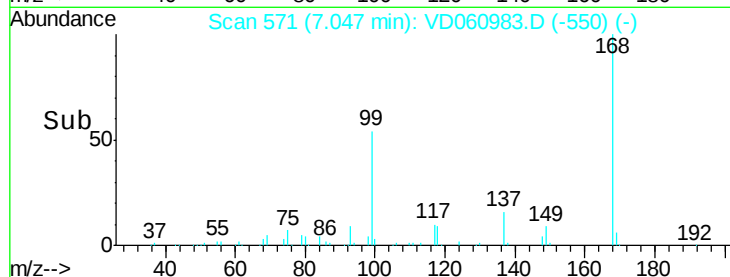
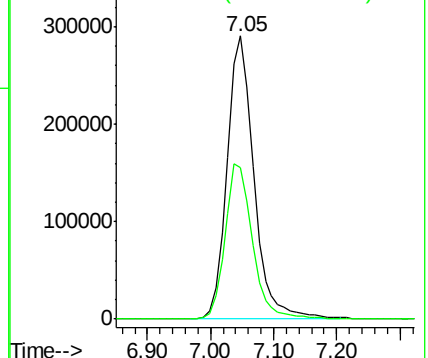
168 100

99 53.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.18 min Scan# 77

Delta R.T. 0.02 min

Lab File: VD060983.D

Acq: 8 Mar 2019 14:55

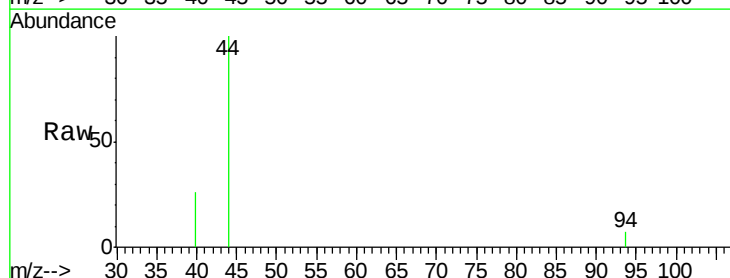
Tgt Ion: 94 Resp: 180

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

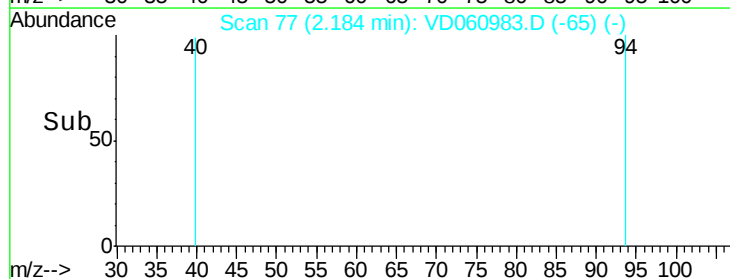
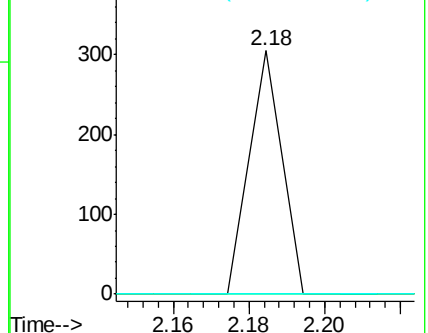
93 100.0 17.3 25.9#

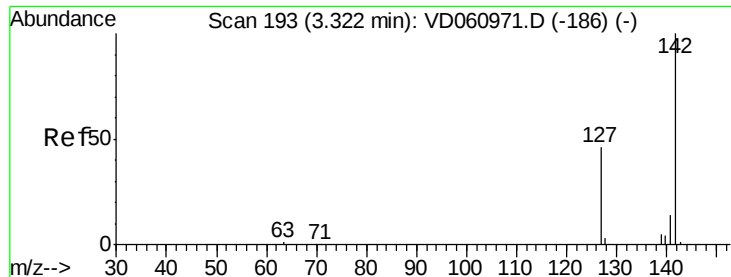


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

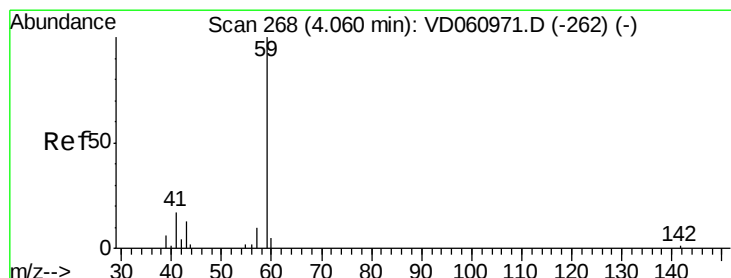
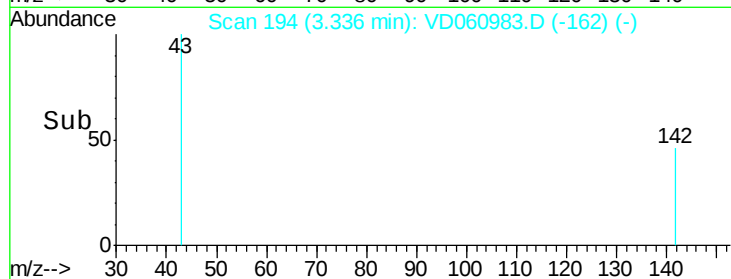
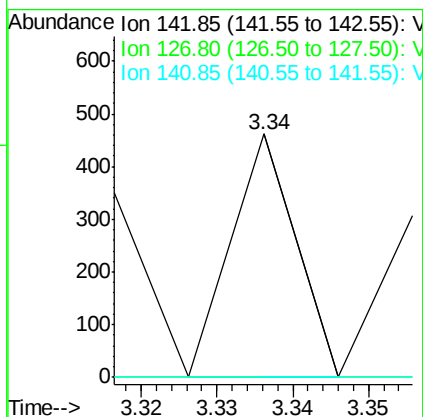
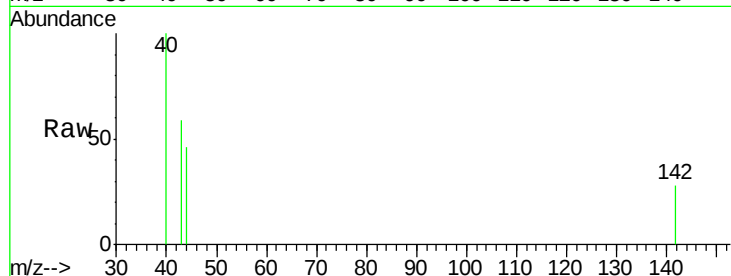




#10
Methyl Iodide
Concen: 2.952 ug/l
RT: 3.34 min Scan# 194
Delta R.T. 0.02 min
Lab File: VD060983.D
Acq: 8 Mar 2019 14:55

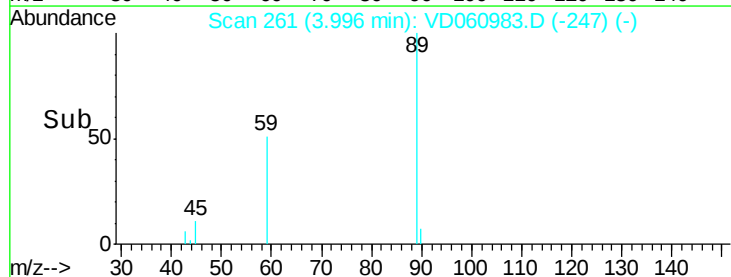
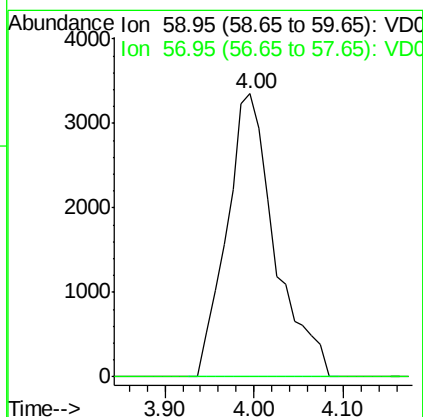
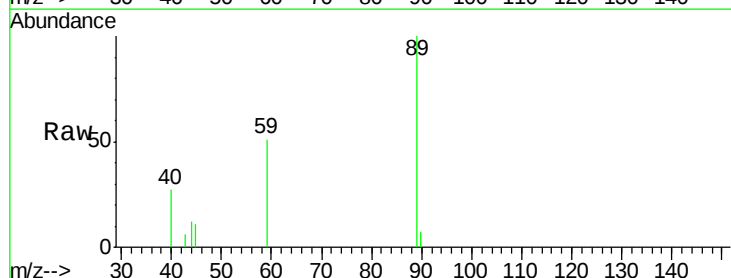
Instrument :
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TP-6AB-S

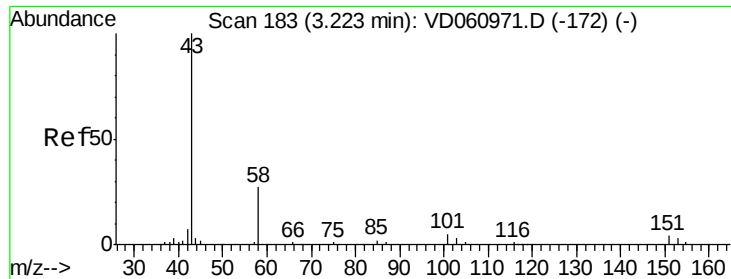
Tot Ion:142 Resp: 273
Ion Ratio Lower Upper
142 100
127 0.0 36.8 55.2#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 27.810 ug/l
RT: 4.00 min Scan# 261
Delta R.T. -0.06 min
Lab File: VD060983.D
Acq: 8 Mar 2019 14:55

Tgt Ion: 59 Resp: 12619
Ion Ratio Lower Upper
59 100
57 0.0 7.1 10.7#

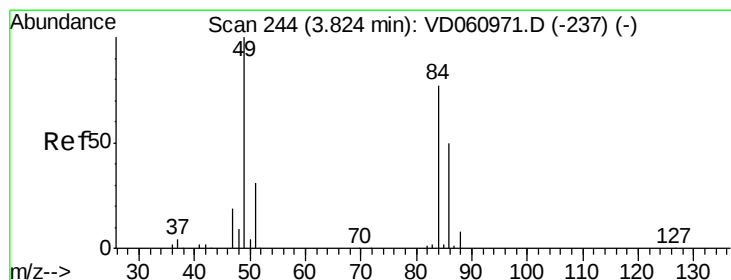
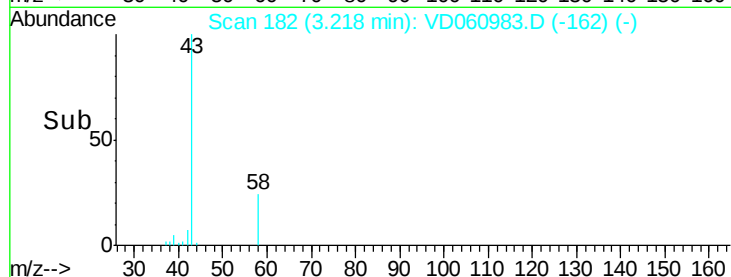
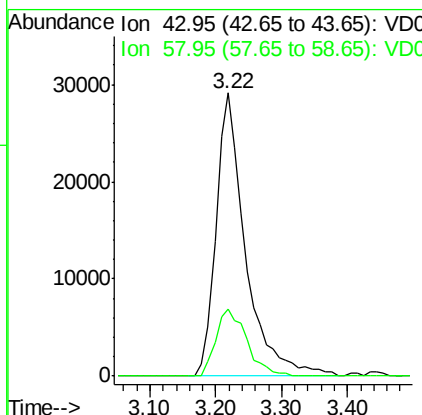
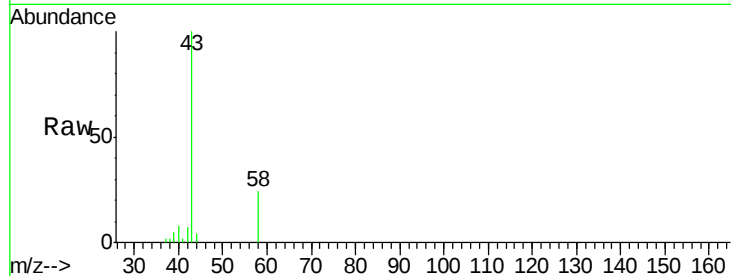




#16
Acetone
Concen: 44.185 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD060983.D
Acq: 8 Mar 2019 14:55

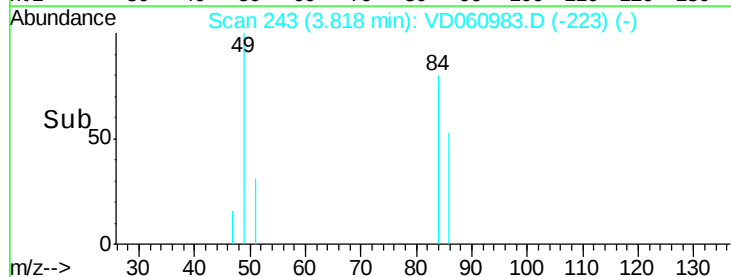
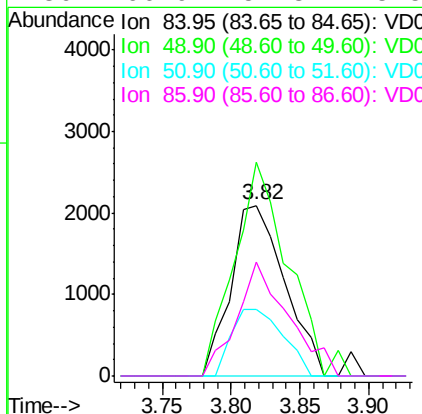
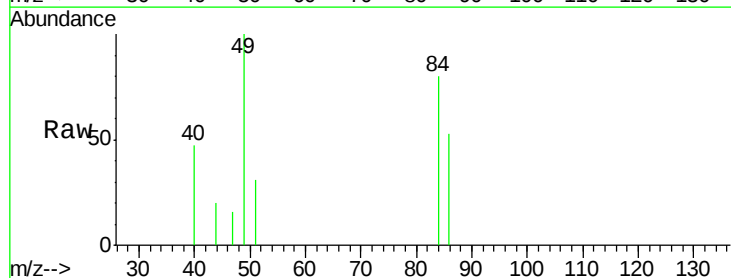
Instrument :
MSVOA_D
ClientSampleId :
TP-6AB-S

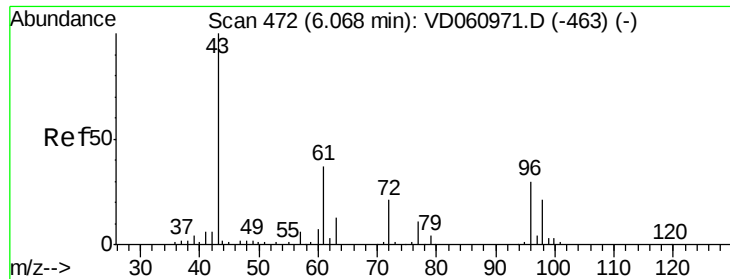
Tot Ion: 43 Resp: 90056
Ion Ratio Lower Upper
43 100
58 23.9 21.6 32.4



#20
Methylene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD060983.D
Acq: 8 Mar 2019 14:55

Tgt Ion: 84 Resp: 5701
Ion Ratio Lower Upper
84 100
49 125.2 104.2 156.2
51 38.7 32.3 48.5
86 66.9 52.3 78.5





#25

2-Butanone

Concen: 2.948 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060983.D

Acq: 8 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

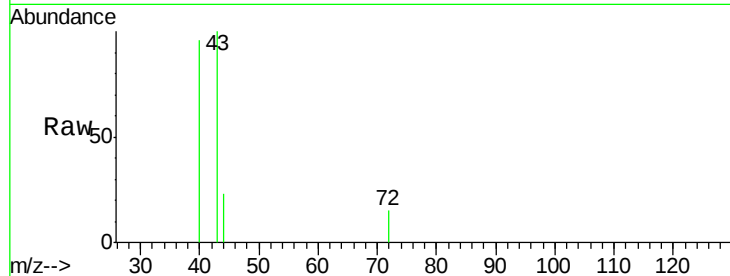
TP-6AB-S

Tot Ion: 43 Resp: 6817

Ion Ratio Lower Upper

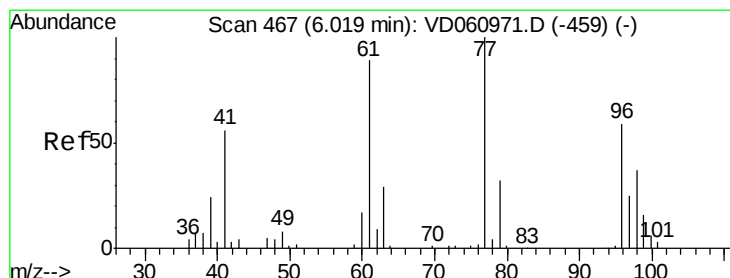
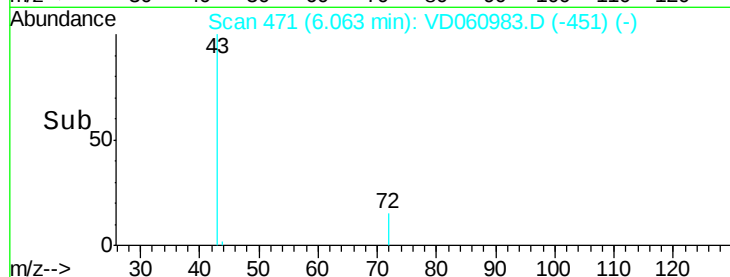
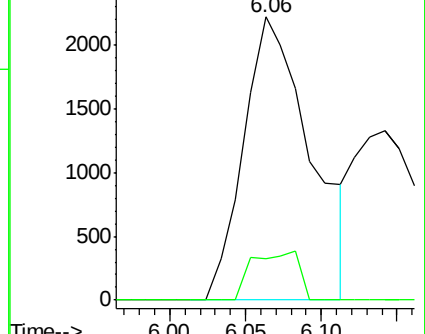
43 100

72 14.6 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 0.409 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.12 min

Lab File: VD060983.D

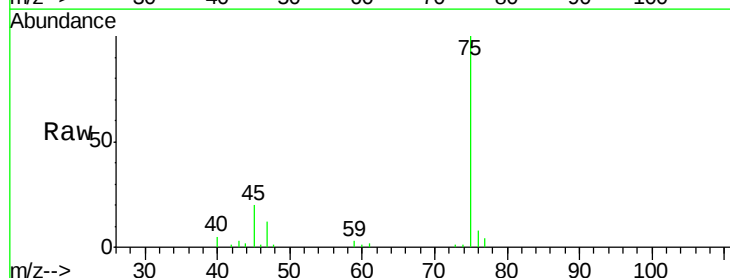
Acq: 8 Mar 2019 14:55

Tgt Ion: 77 Resp: 4996

Ion Ratio Lower Upper

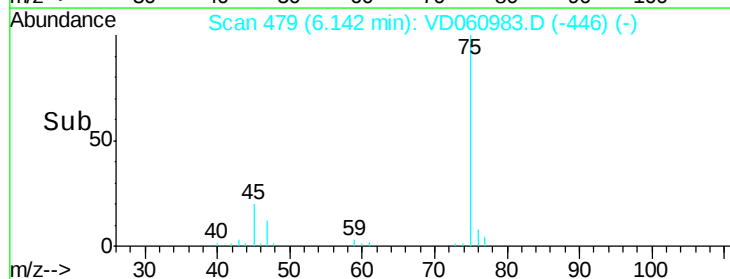
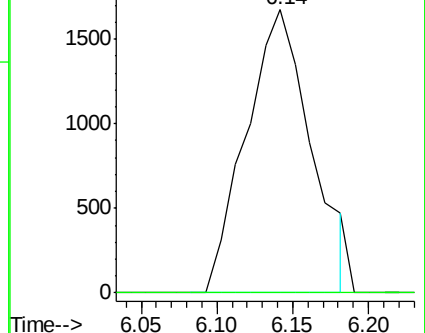
77 100

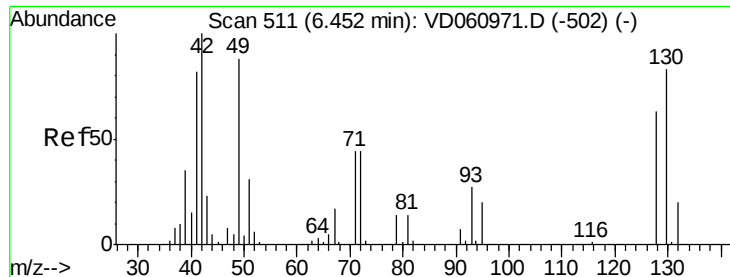
97 0.0 12.6 37.6#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#29

Tetrahydrofuran

Concen: 0.391 ug/l

RT: 6.13 min Scan# 478

Delta R.T. -0.32 min

Lab File: VD060983.D

Acq: 8 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

TP-6AB-S

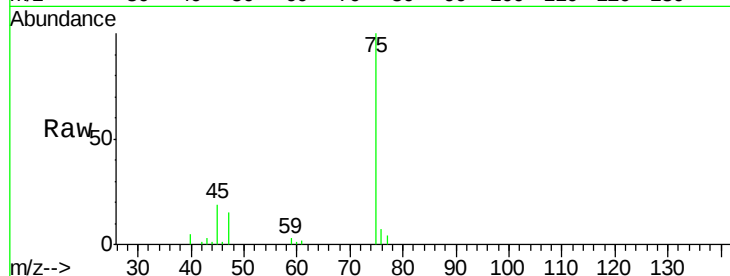
Tot Ion: 42 Resp: 491

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

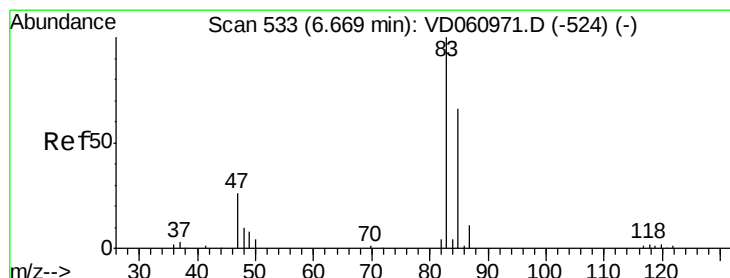
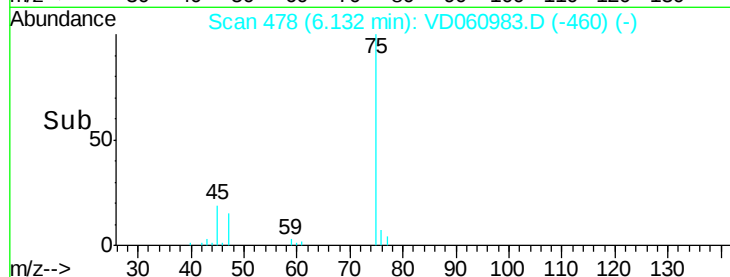
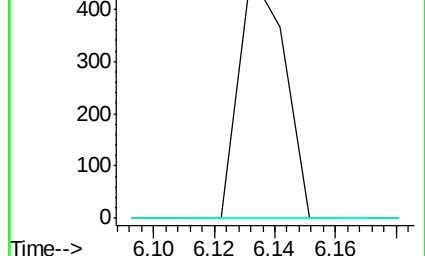
71 0.0 33.8 50.6#



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

6.13

6.10 6.12 6.14 6.16



#30

Chloroform

Concen: 0.301 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD060983.D

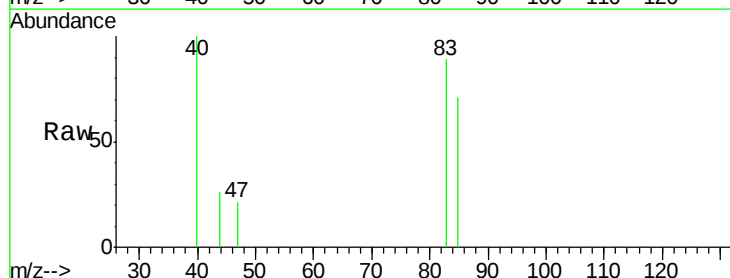
Acq: 8 Mar 2019 14:55

Tgt Ion: 83 Resp: 4872

Ion Ratio Lower Upper

83 100

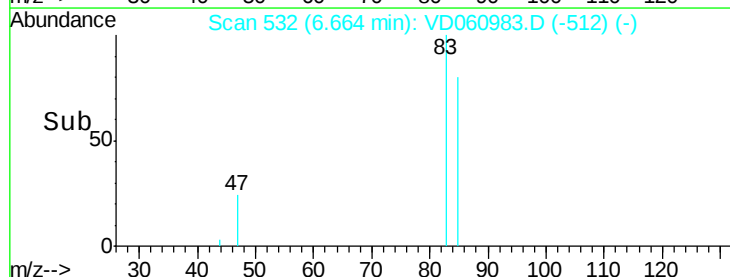
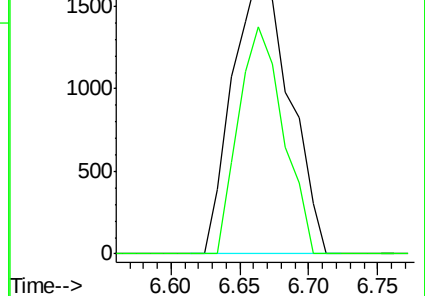
85 80.2 53.0 79.4#

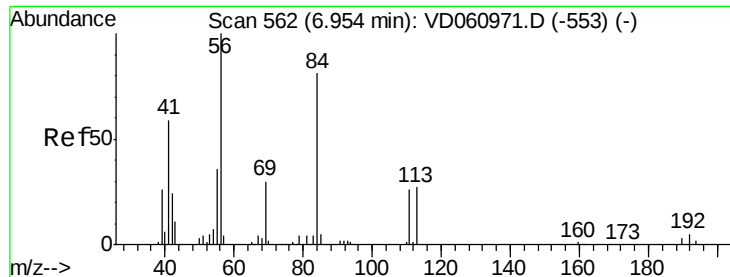


Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

6.66

6.60 6.65 6.70 6.75

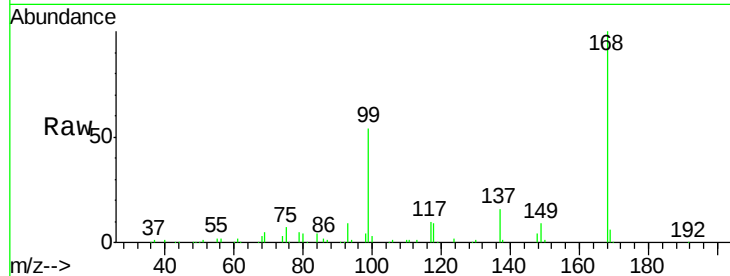




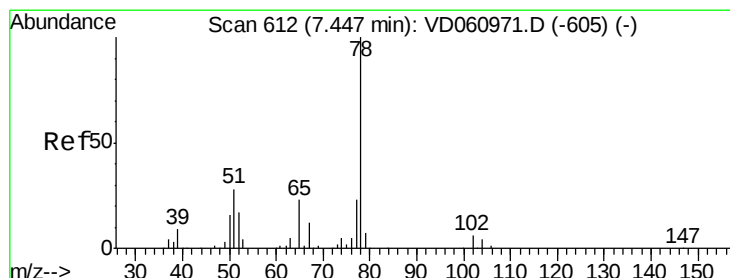
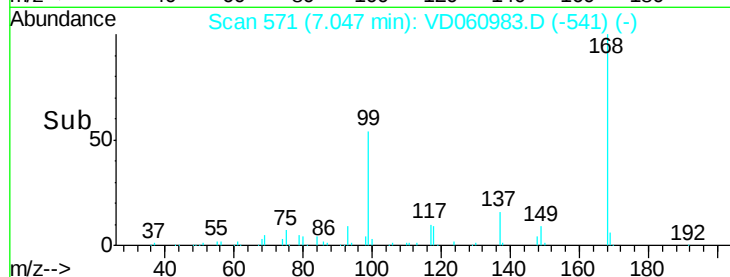
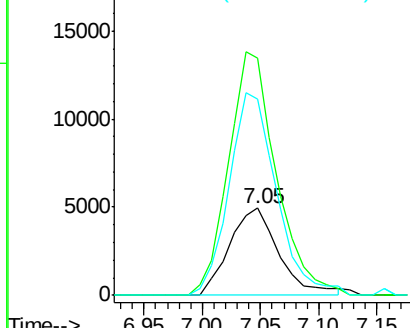
#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD060983.D
Acq: 8 Mar 2019 14:55

Instrument :
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Tot Ion: 56 Resp: 14597
Ion Ratio Lower Upper
56 100
69 272.8 24.0 36.0#
84 224.8 65.8 98.6#

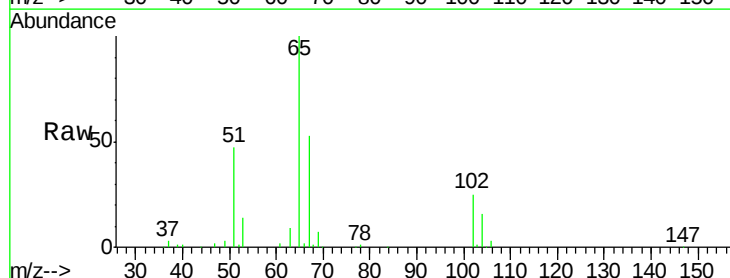


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

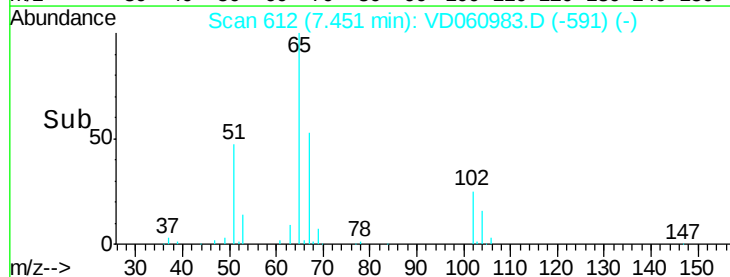
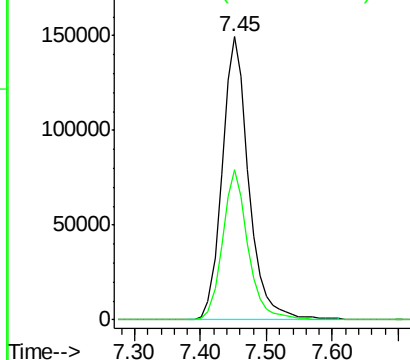


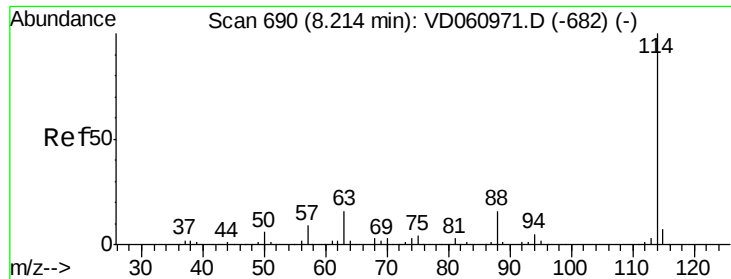
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD060983.D
Acq: 8 Mar 2019 14:55

Tgt Ion: 65 Resp: 421441
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.2



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

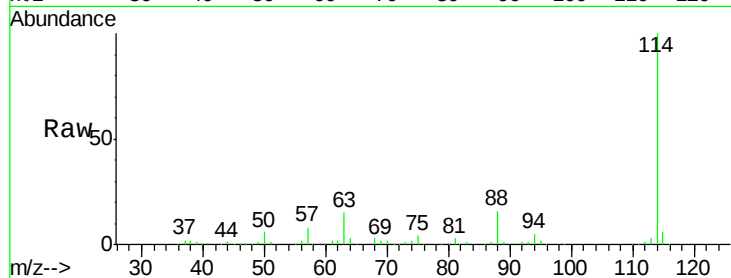




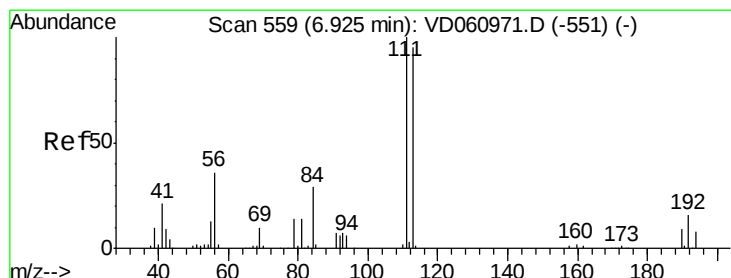
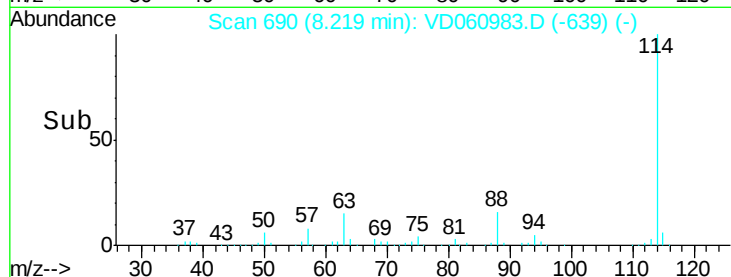
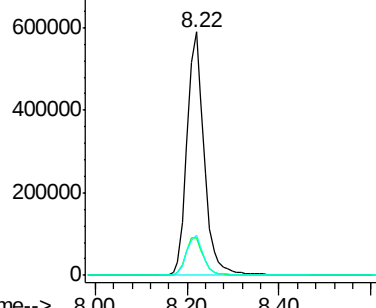
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.22 min Scan# 690
Delta R.T. 0.00 min
Lab File: VD060983.D
Acq: 8 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampleId :
TP-6AB-S

Tot Ion:114 Resp: 1507594
Ion Ratio Lower Upper
114 100
63 15.5 0.0 31.4
88 16.2 0.0 33.0

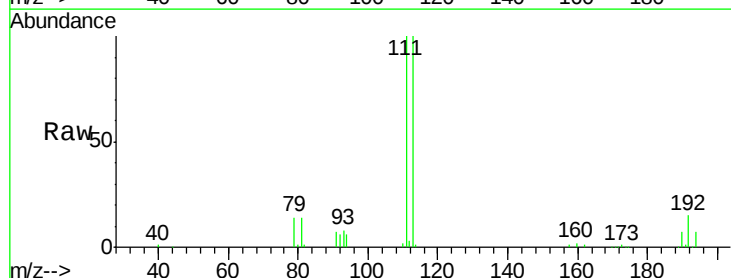


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

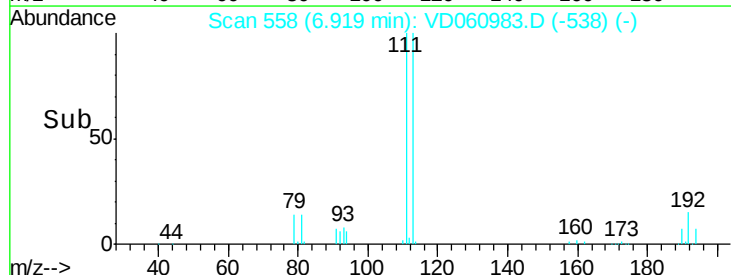
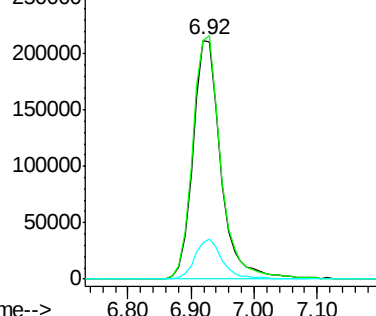


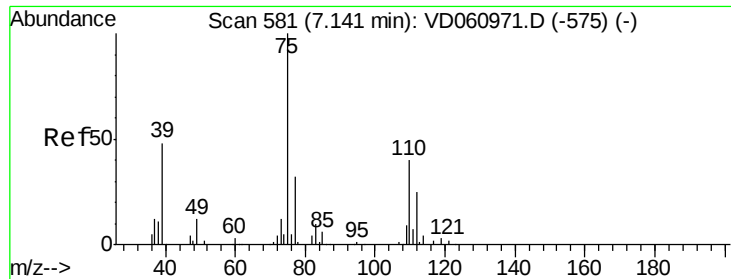
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.92 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD060983.D
Acq: 8 Mar 2019 14:55

Tgt Ion:113 Resp: 647337
Ion Ratio Lower Upper
113 100
111 99.8 84.2 126.4
192 15.4 13.1 19.7



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

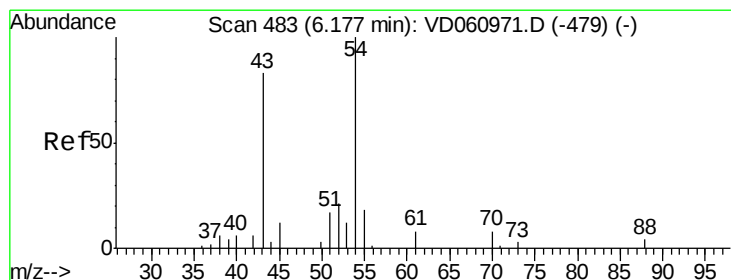
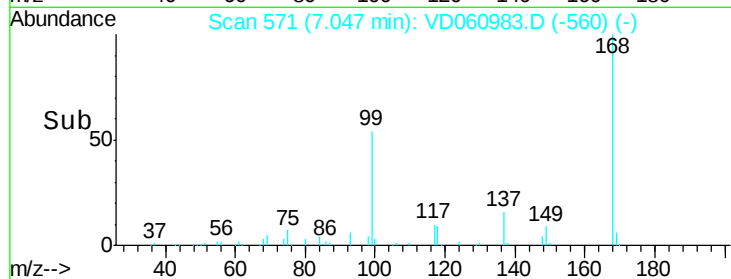
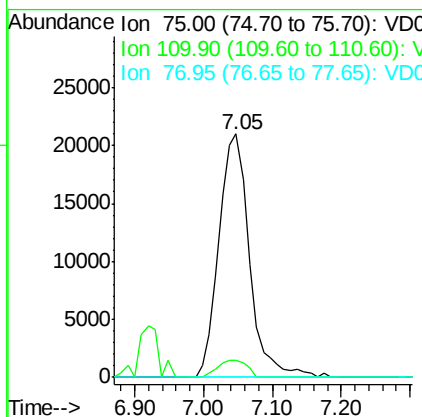
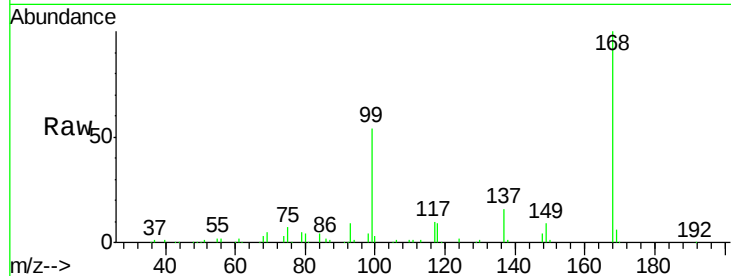




#36
 1,1-Dichloropropene
 Concen: 4.981 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD060983.D
 Acq: 8 Mar 2019 14:55

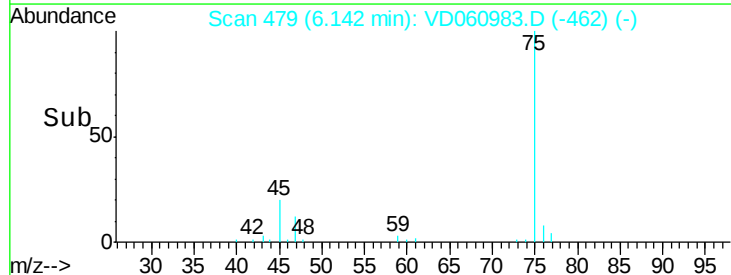
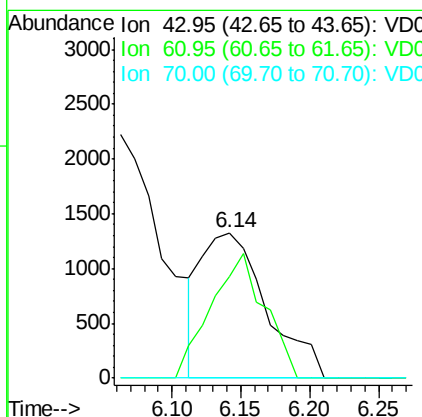
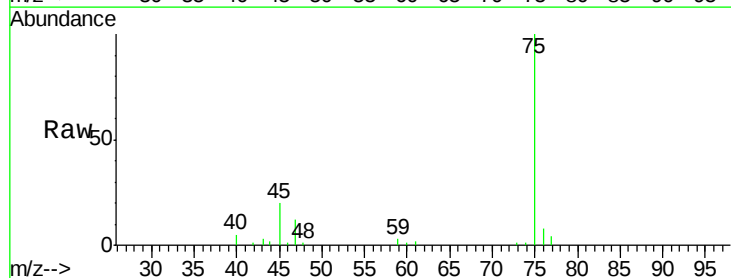
Instrument :
 MSVOA_D
 ClientSampled :
 TP-6AB-S

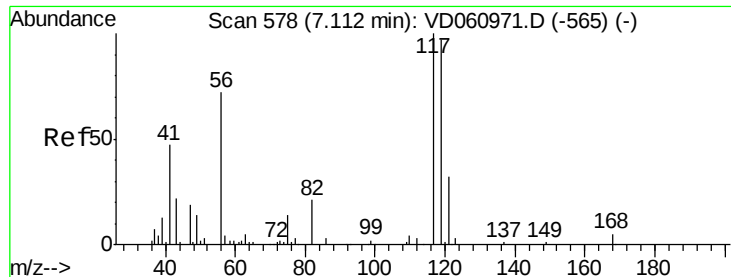
Tot Ion	75	Resp	64726
Ion Ratio	100	Lower	Upper
75	100		
110	7.1	19.7	59.1#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 0.710 ug/l
 RT: 6.14 min Scan# 479
 Delta R.T. -0.03 min
 Lab File: VD060983.D
 Acq: 8 Mar 2019 14:55

Tgt Ion	43	Resp	4331
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
43	100		
61	69.7	13.7	20.5#
70	0.0	7.1	10.7#





#38

Carbon Tetrachloride

Concen: 5.779 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.06 min

Lab File: VD060983.D

Acq: 8 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

TP-6AB-S

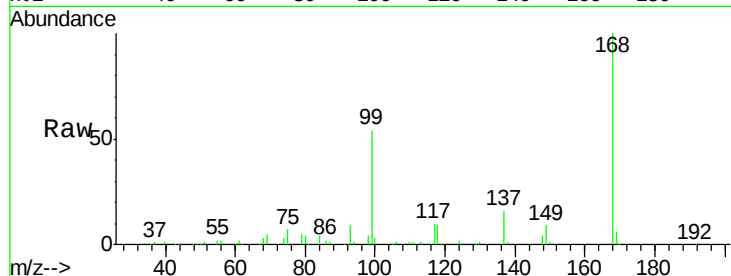
Tot Ion:117 Resp: 82726

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.8#

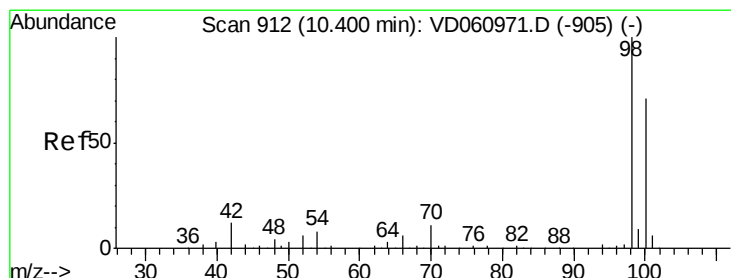
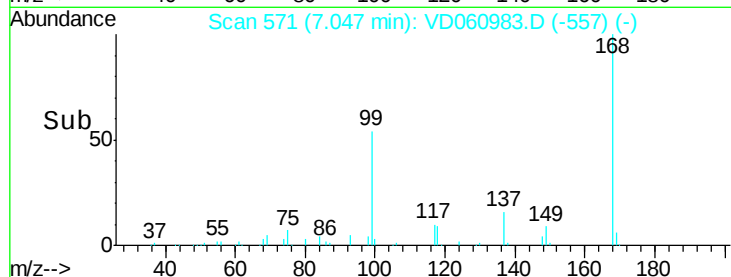
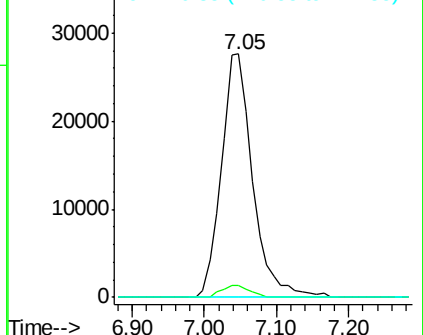
121 0.0 25.3 37.9#



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: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD060983.D

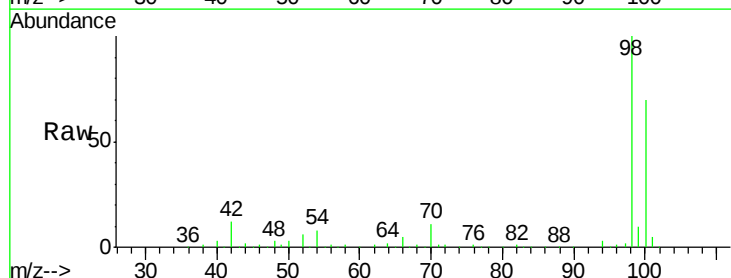
Acq: 8 Mar 2019 14:55

Tgt Ion: 98 Resp: 1647055

Ion Ratio Lower Upper

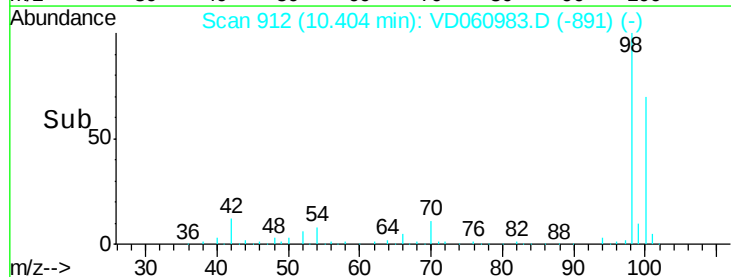
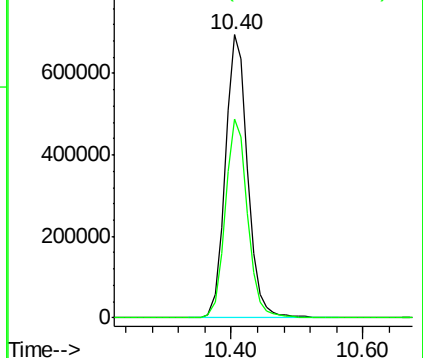
98 100

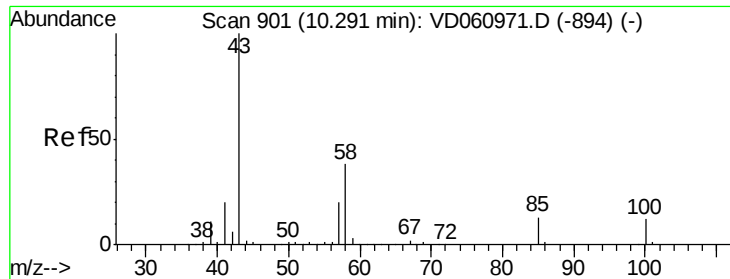
100 70.3 57.4 86.2



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: 1.366 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD060983.D

Acq: 8 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

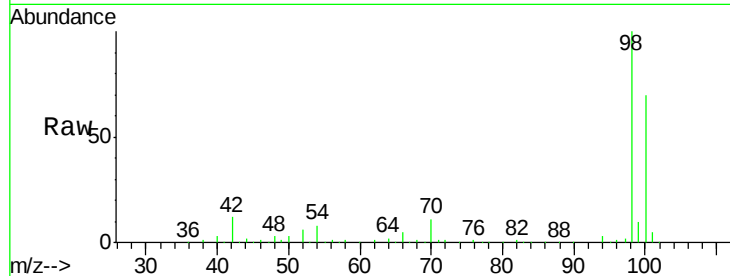
TP-6AB-S

Tot Ion: 43 Resp: 7067

Ion Ratio Lower Upper

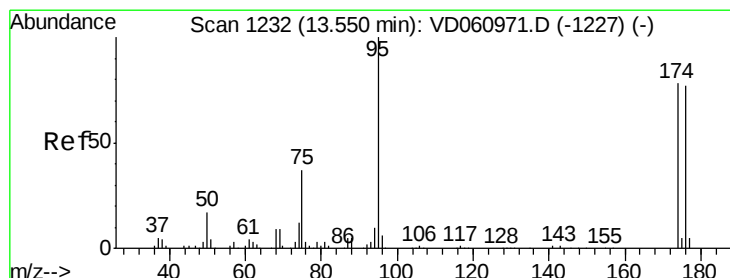
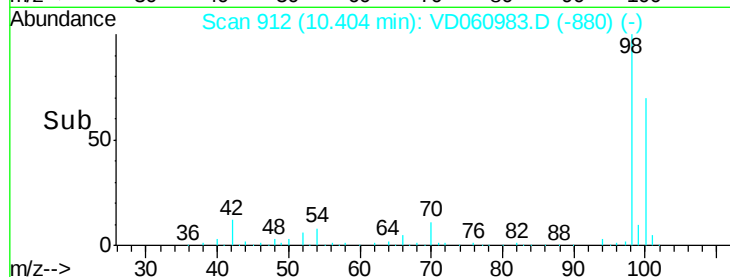
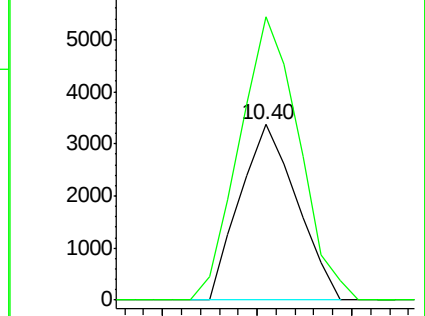
43 100

58 161.0 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD060983.D

Acq: 8 Mar 2019 14:55

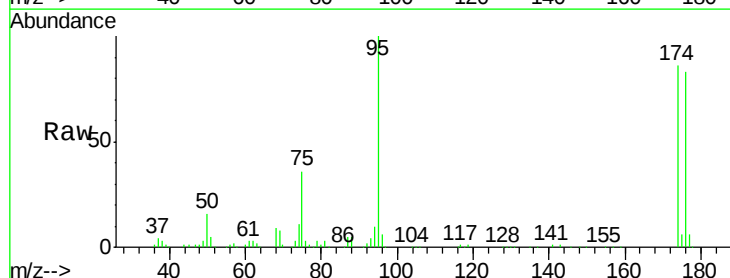
Tgt Ion: 95 Resp: 546821

Ion Ratio Lower Upper

95 100

174 86.0 0.0 155.6

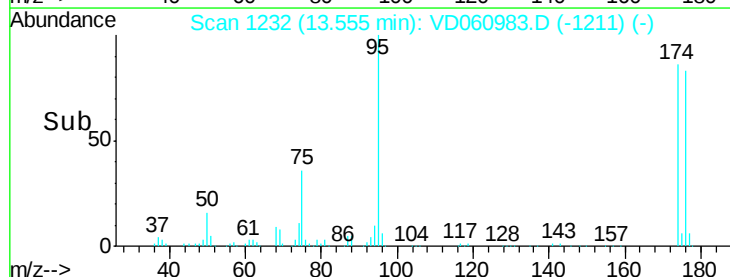
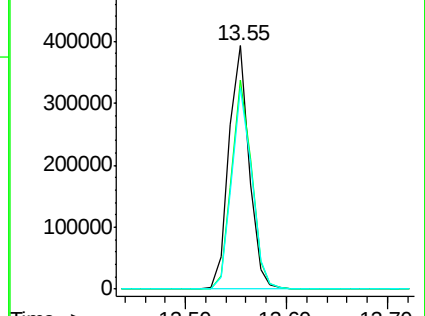
176 83.0 0.0 153.8

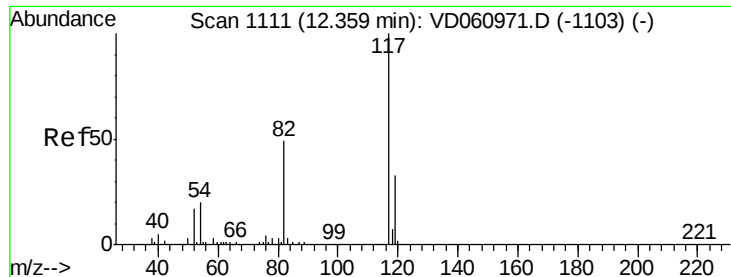


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

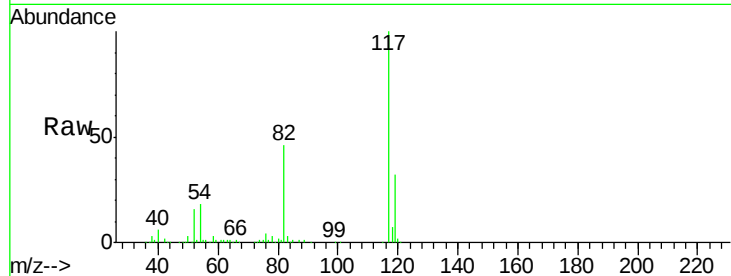




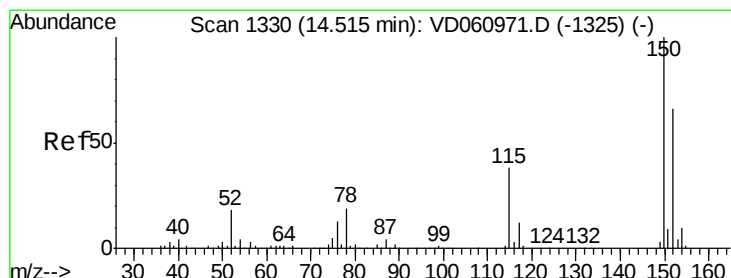
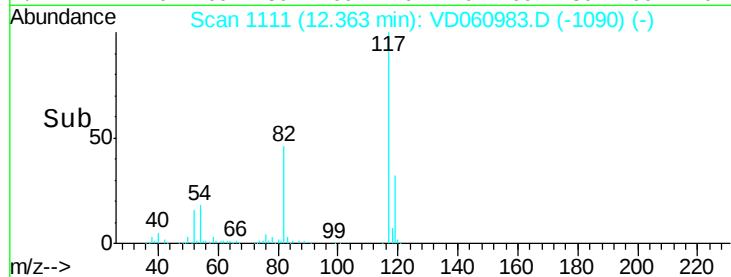
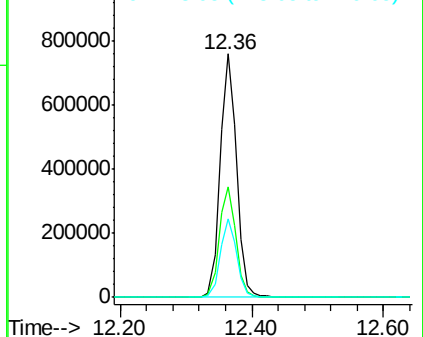
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD060983.D
Acq: 8 Mar 2019 14:55

Instrument :
MSVOA_D
ClientSampled :
TP-6AB-S

Tot Ion:117 Resp: 1314283
Ion Ratio Lower Upper
117 100
82 45.6 38.9 58.3
119 32.3 26.6 39.8

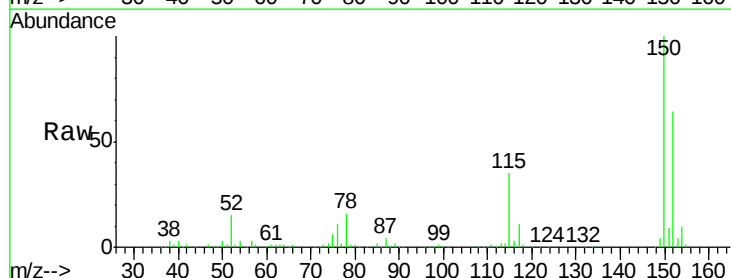


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

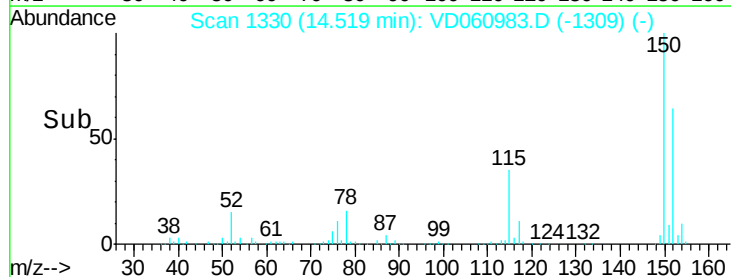
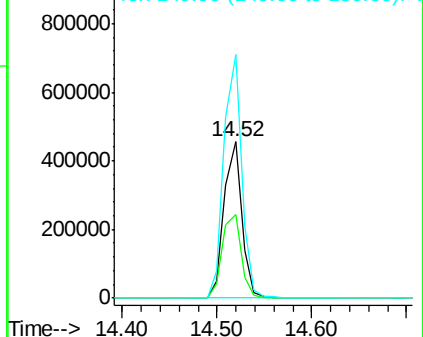


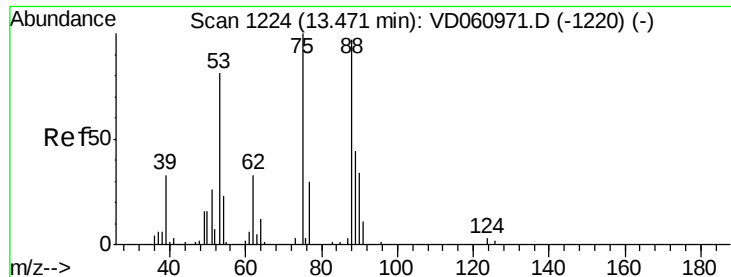
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD060983.D
Acq: 8 Mar 2019 14:55

Tgt Ion:152 Resp: 590543
Ion Ratio Lower Upper
152 100
115 53.9 28.6 85.9
150 156.1 0.0 310.6



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: 78.977 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD060983.D

Acq: 8 Mar 2019 14:55

Instrument :

MSVOA_D

ClientSampleId :

TP-6AB-S

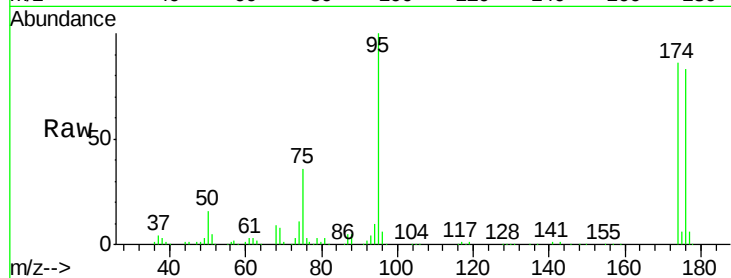
Tot Ion: 75 Resp: 197821

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

