

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062005.D
 Acq On : 24 Apr 2019 18:51
 Operator : VA/AP
 Sample : K2532-02
 Misc : 6.29g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 01:35:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	469966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	747113	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	609957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	226215	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	183872	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
35) Dibromofluoromethane	6.93	113	276224	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
50) Toluene-d8	10.42	98	579059	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
62) 4-Bromofluorobenzene	13.56	95	189021	38.33	ug/l	0.00
Spiked Amount			Recovery	=	76.66%	

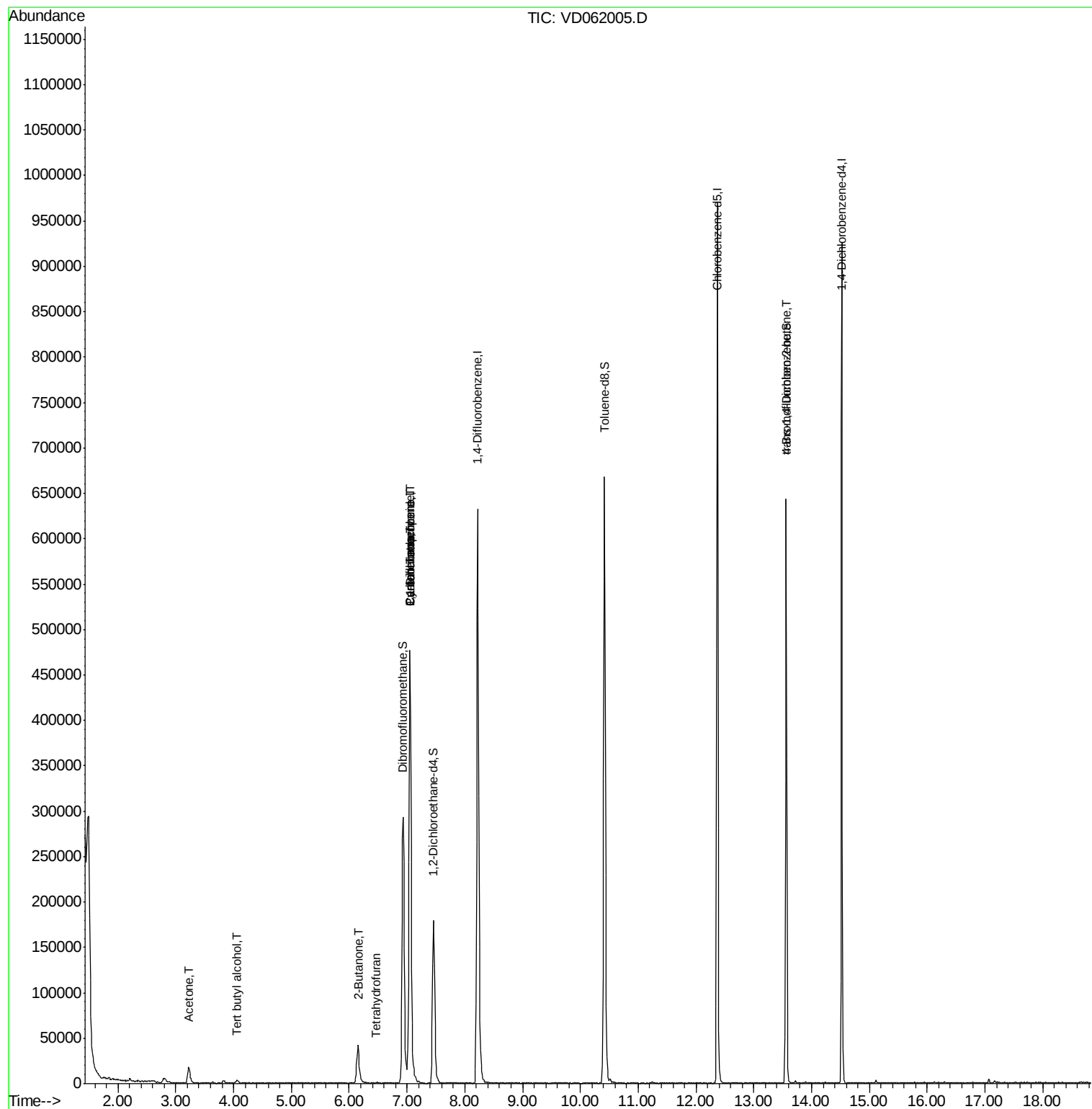
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	7547	36.315	ug/l #	76
16) Acetone	3.22	43	36601	41.675	ug/l	98
18) Methyl Acetate	3.64	43	1720	Below Cal	#	53
20) Methylene Chloride	3.82	84	1704	Below Cal	#	74
25) 2-Butanone	6.17	43	2096	1.968	ug/l #	56
29) Tetrahydrofuran	6.46	42	1055	2.011	ug/l #	30
31) Cyclohexane	7.05	56	7809	1.425	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	35058	6.023	ug/l #	48
38) Carbon Tetrachloride	7.05	117	45177	6.125	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.56	75	73414	84.335	ug/l #	16

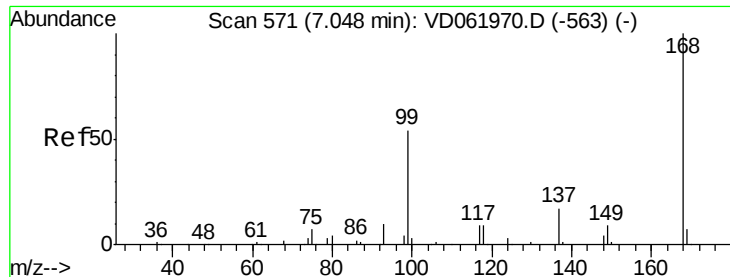
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042419\
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Quant Time: Apr 25 01:35:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062005.D

Acq: 24 Apr 2019 18:51

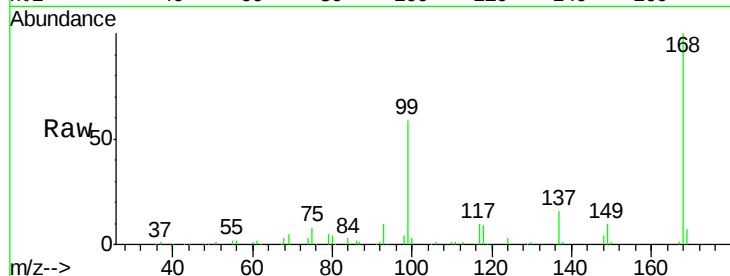
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 469966

Ion Ratio Lower Upper

168 100

99 59.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

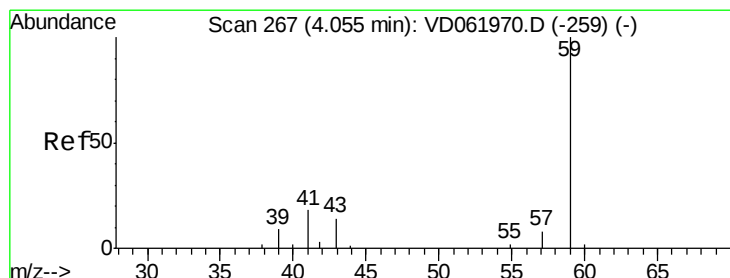
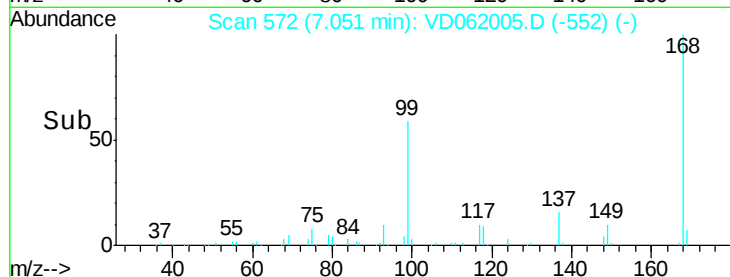
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 36.315 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD062005.D

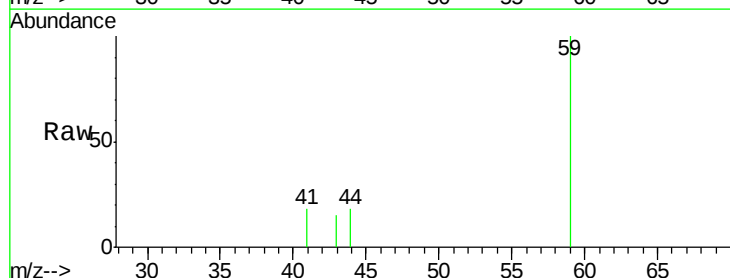
Acq: 24 Apr 2019 18:51

Tgt Ion: 59 Resp: 7547

Ion Ratio Lower Upper

59 100

57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.07

2500

2000

1500

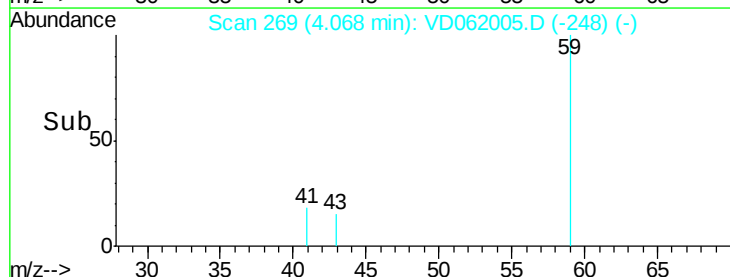
1000

500

0

4.00 4.10

Time-->





#16

Acetone

Concen: 41.675 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062005.D

Acq: 24 Apr 2019 18:51

Instrument :

MSVOA_D

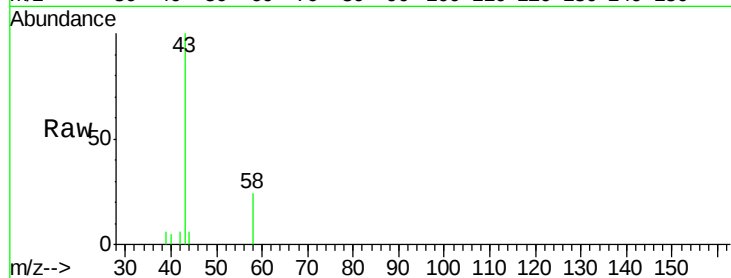
ClientSampled :

Tot Ion: 43 Resp: 36601

Ion Ratio Lower Upper

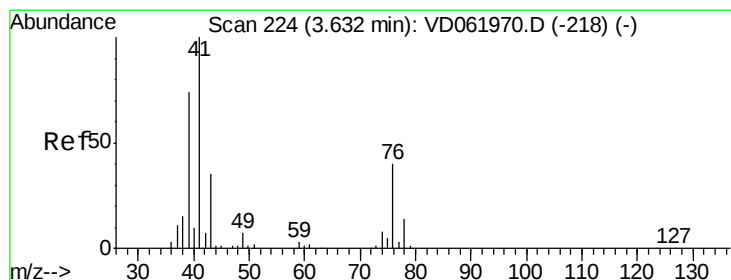
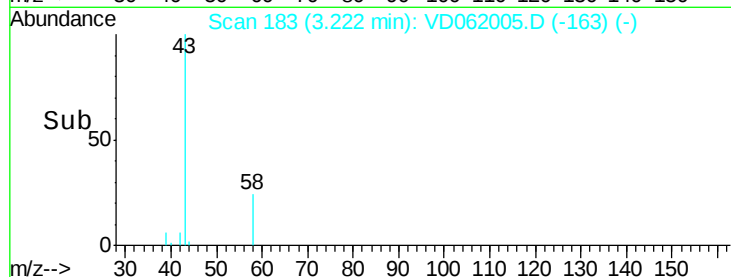
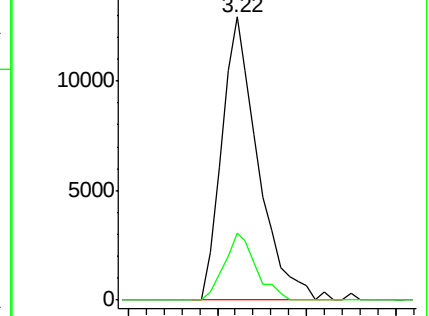
43 100

58 23.9 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 3.64 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD062005.D

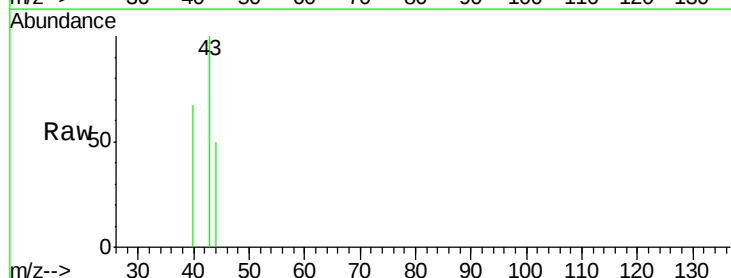
Acq: 24 Apr 2019 18:51

Tgt Ion: 43 Resp: 1720

Ion Ratio Lower Upper

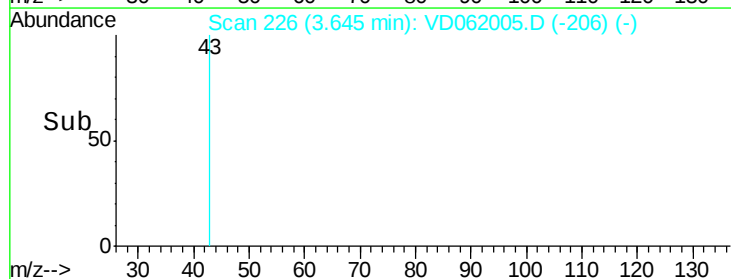
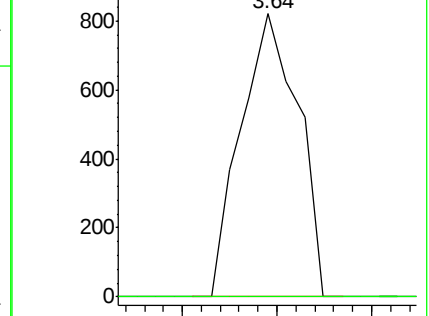
43 100

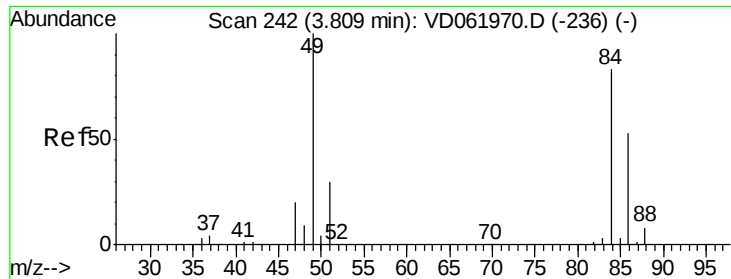
74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

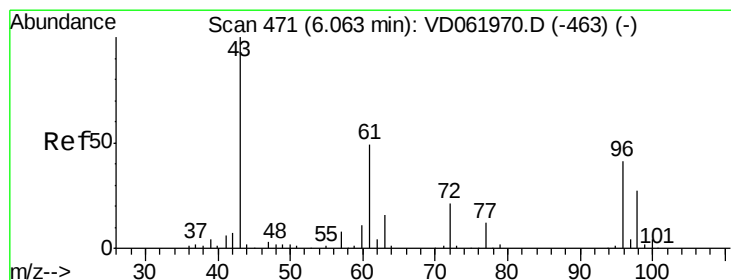
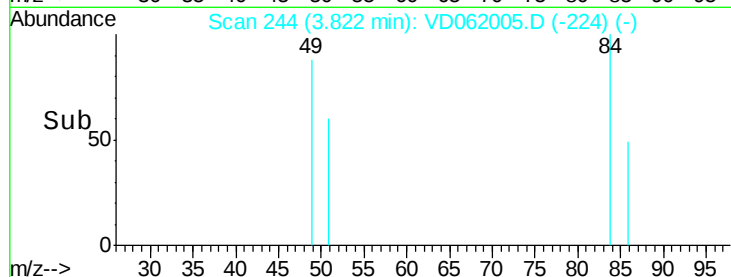
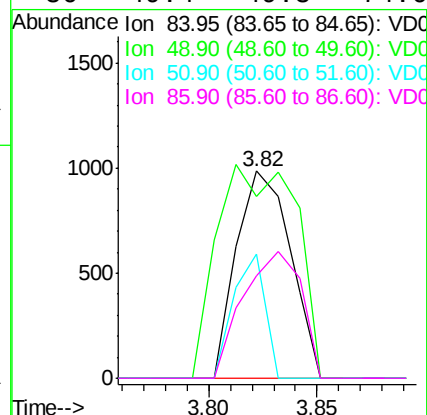
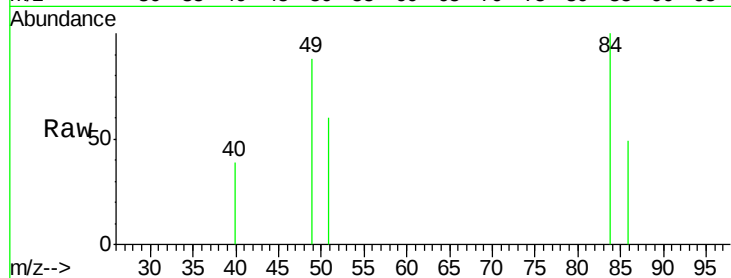




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD062005.D
Acq: 24 Apr 2019 18:51

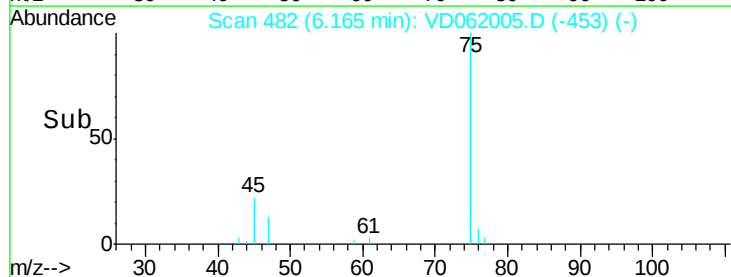
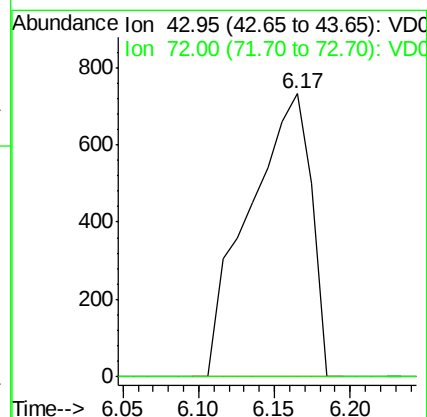
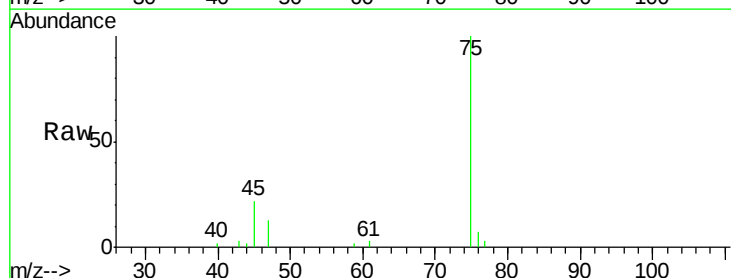
Instrument :
MSVOA_D
ClientSampled :

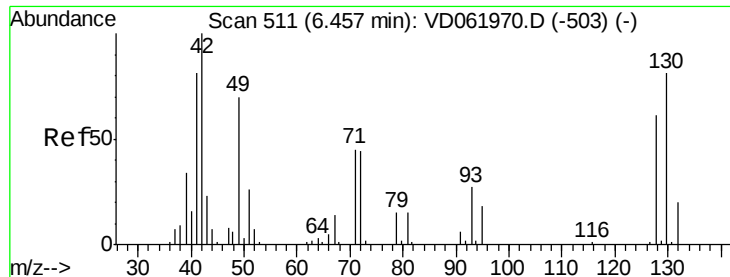
Tot Ion: 84 Resp: 1704
Ion Ratio Lower Upper
84 100
49 88.0 94.0 141.0#
51 60.2 29.0 43.4#
86 49.4 49.8 74.6#



#25
2-Butanone
Concen: 1.968 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.09 min
Lab File: VD062005.D
Acq: 24 Apr 2019 18:51

Tgt Ion: 43 Resp: 2096
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#





#29

Tetrahydrofuran

Concen: 2.011 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062005.D

Acq: 24 Apr 2019 18:51

Instrument :

MSVOA_D

ClientSampleId :

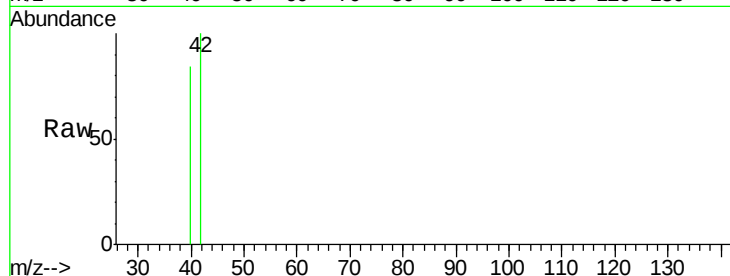
Tot Ion: 42 Resp: 1055

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

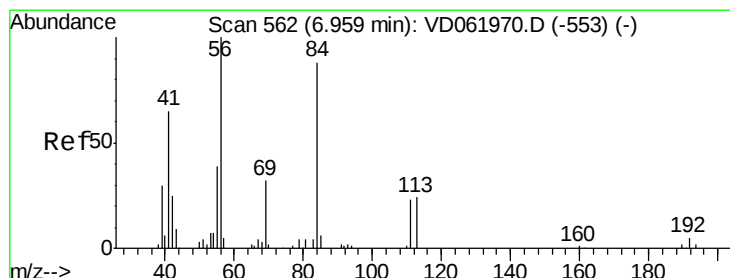
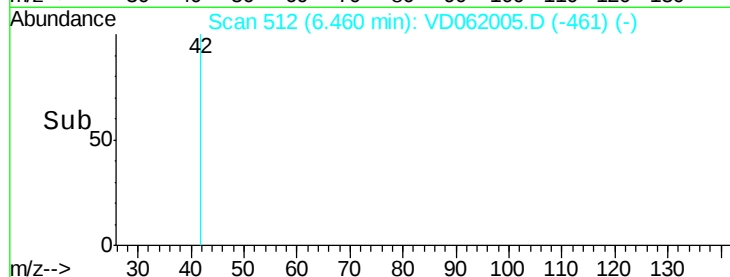
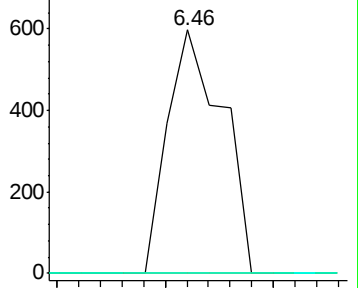
71 0.0 36.7 55.1#



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



#31

Cyclohexane

Concen: 1.425 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD062005.D

Acq: 24 Apr 2019 18:51

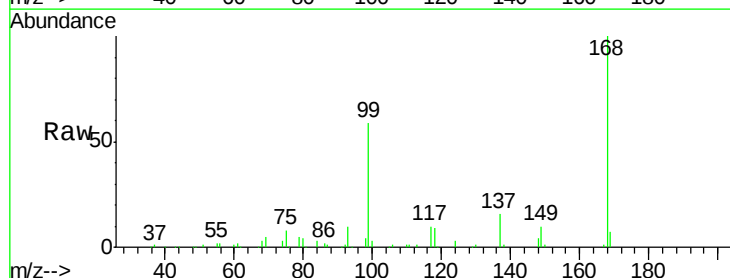
Tgt Ion: 56 Resp: 7809

Ion Ratio Lower Upper

56 100

69 285.4 25.8 38.6#

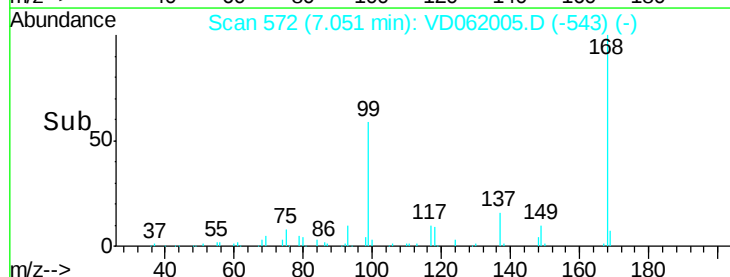
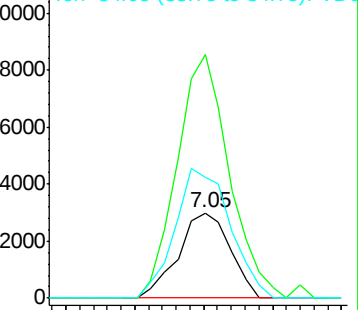
84 142.1 72.2 108.4#

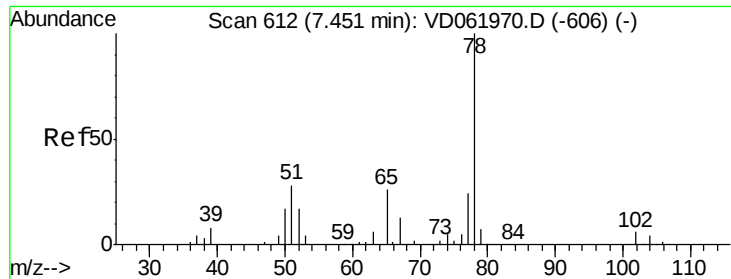


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

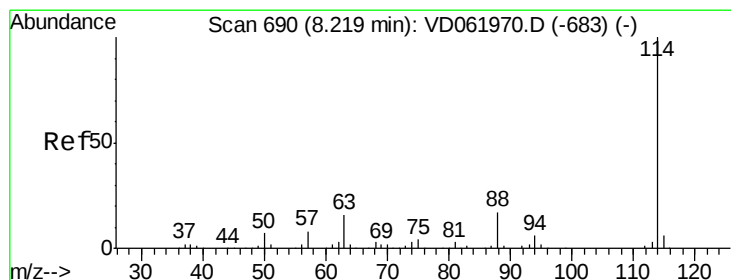
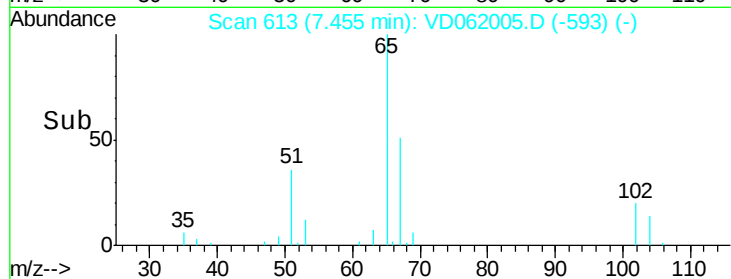
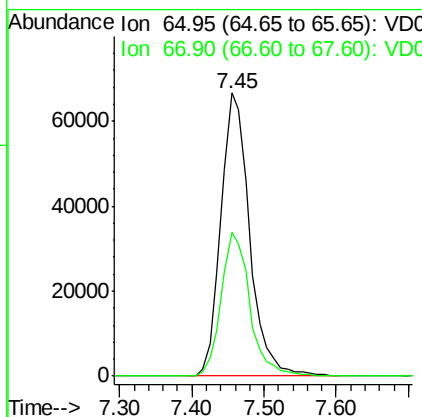
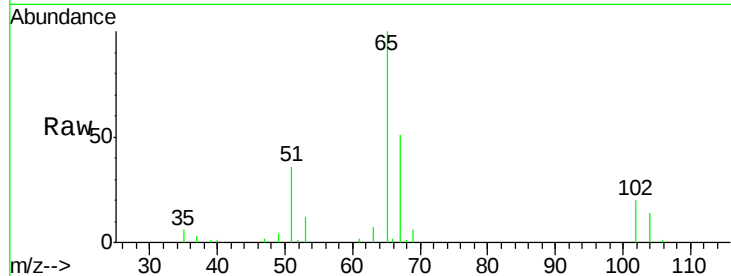




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062005.D
 Acq: 24 Apr 2019 18:51

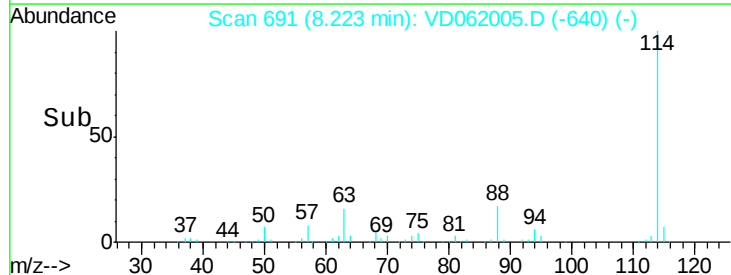
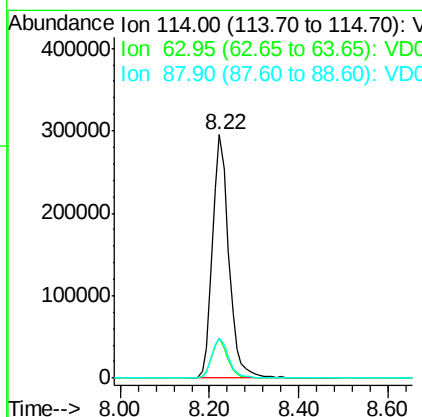
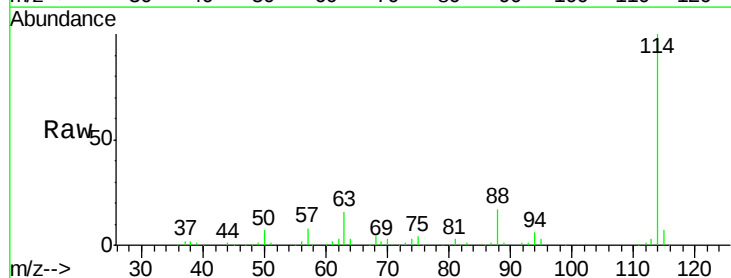
Instrument :
 MSVOA_D
 ClientSampleId :

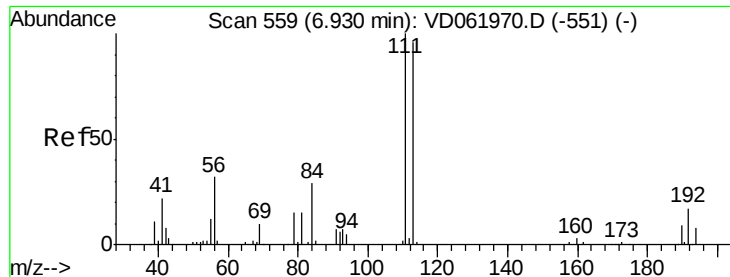
Tot Ion: 65 Resp: 183872
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD062005.D
 Acq: 24 Apr 2019 18:51

Tgt Ion: 114 Resp: 747113
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 32.4
 88 16.7 0.0 33.6

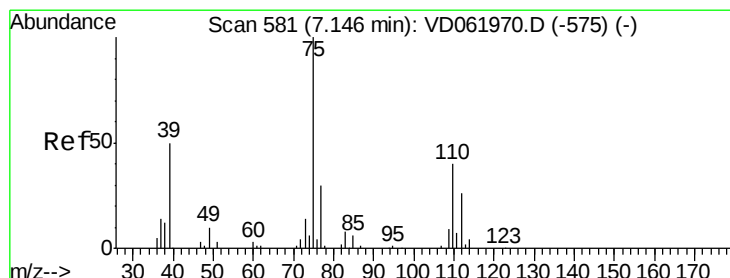
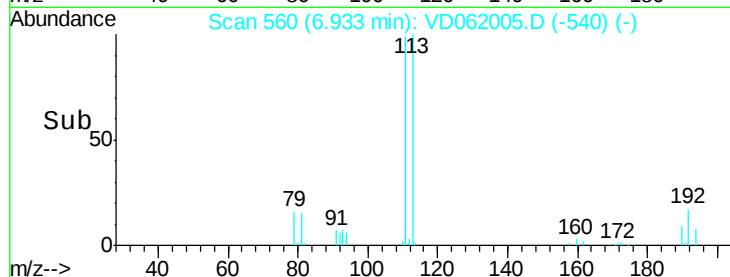
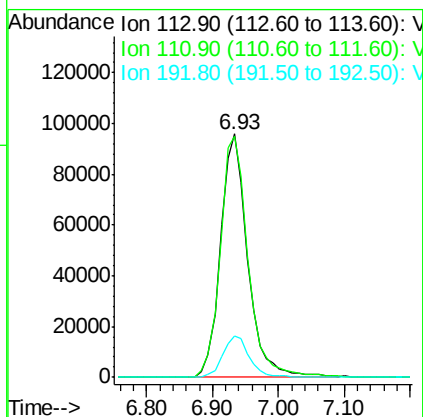
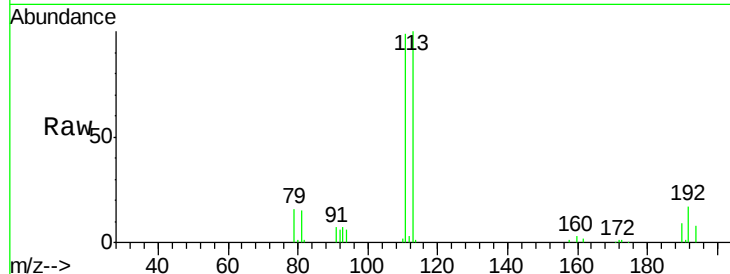




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VD062005.D
 Acq: 24 Apr 2019 18:51

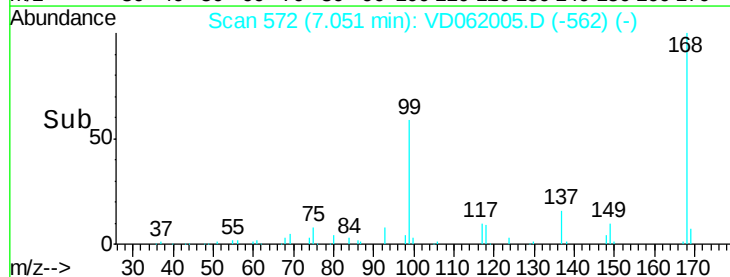
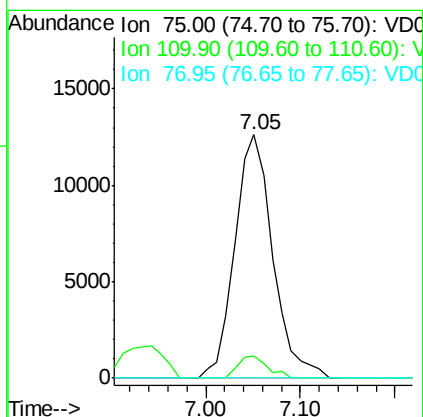
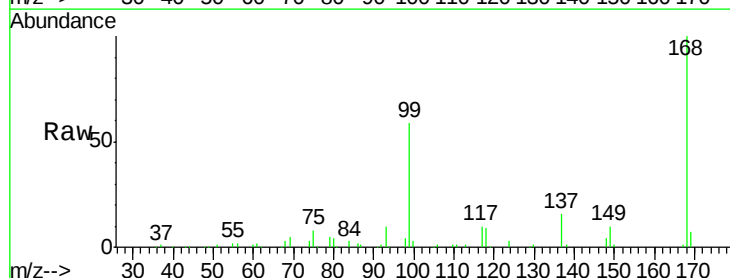
Instrument :
 MSVOA_D
 ClientSampleId :

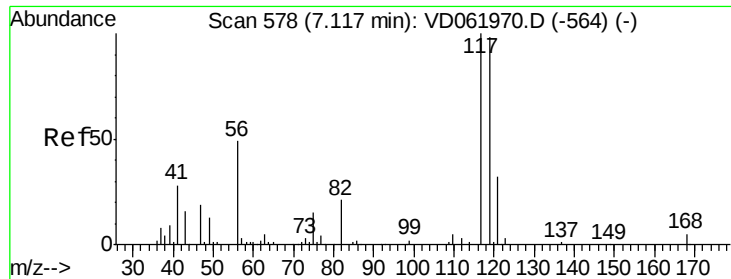
Tot Ion:113 Resp: 276224
 Ion Ratio Lower Upper
 113 100
 111 99.1 78.5 117.7
 192 16.8 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 6.023 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.10 min
 Lab File: VD062005.D
 Acq: 24 Apr 2019 18:51

Tgt Ion: 75 Resp: 35058
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.1 57.1#
 77 0.0 25.6 38.4#

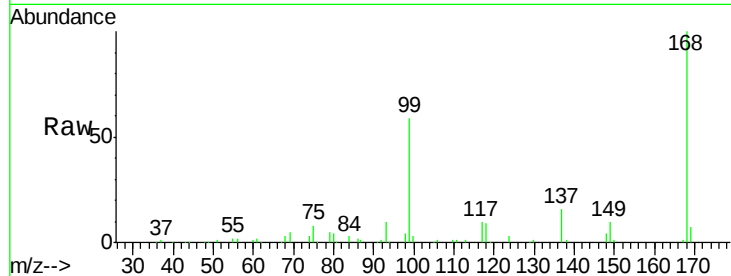




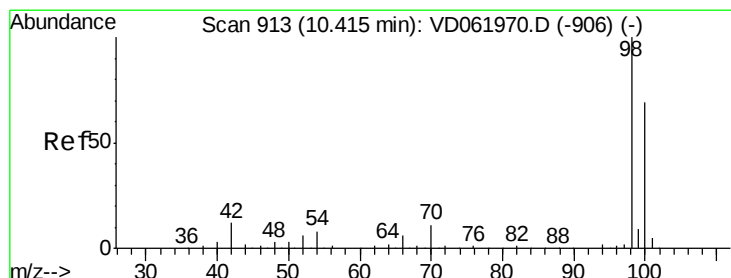
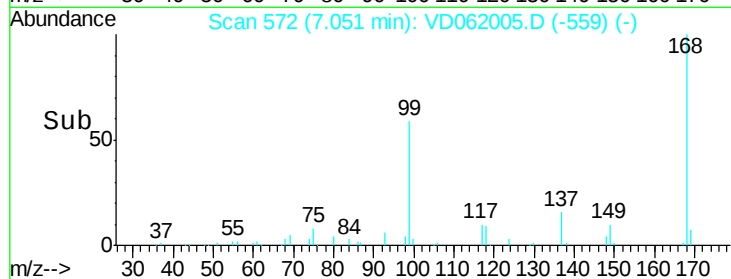
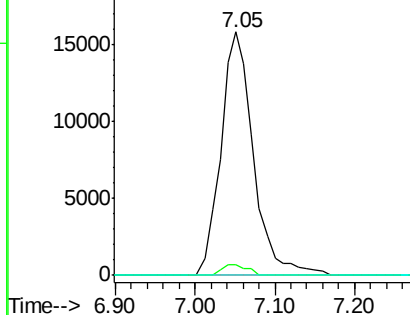
#38
Carbon Tetrachloride
Concen: 6.125 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.07 min
Lab File: VD062005.D
Acq: 24 Apr 2019 18:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 45177
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 25.9 38.9#

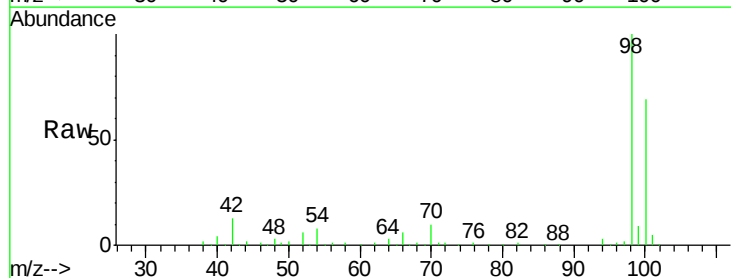


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

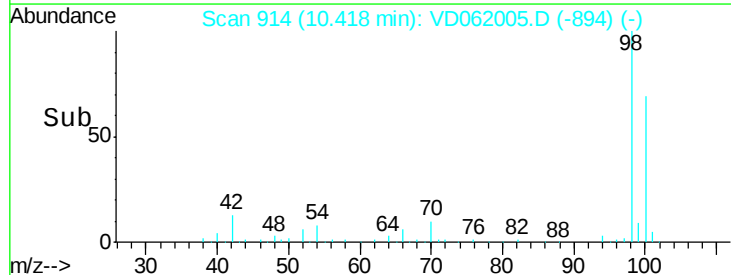
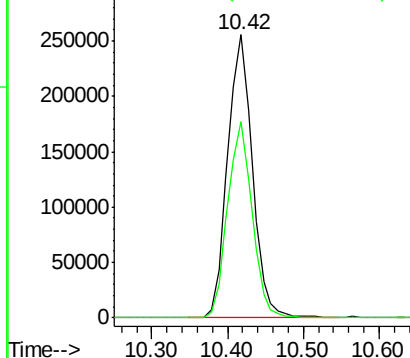


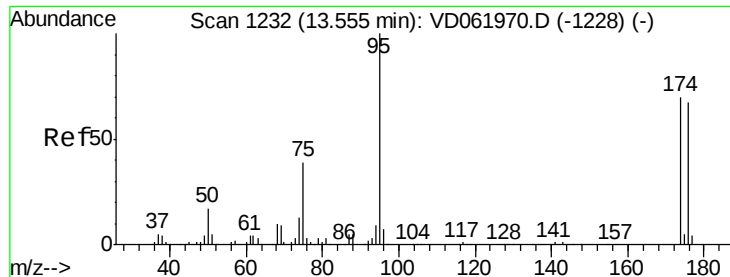
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD062005.D
Acq: 24 Apr 2019 18:51

Tgt Ion: 98 Resp: 579059
Ion Ratio Lower Upper
98 100
100 69.4 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD062005.D

Acq: 24 Apr 2019 18:51

Instrument :

MSVOA_D

ClientSampleId :

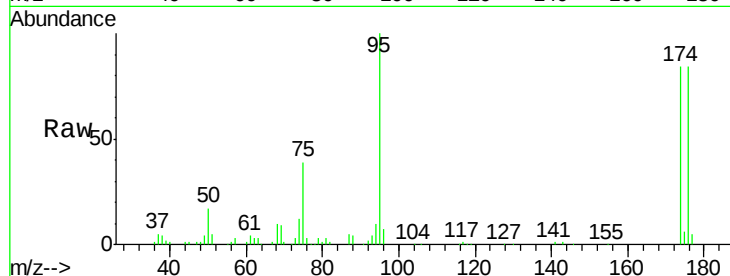
Tot Ion: 95 Resp: 189021

Ion Ratio Lower Upper

95 100

174 84.4 0.0 181.8

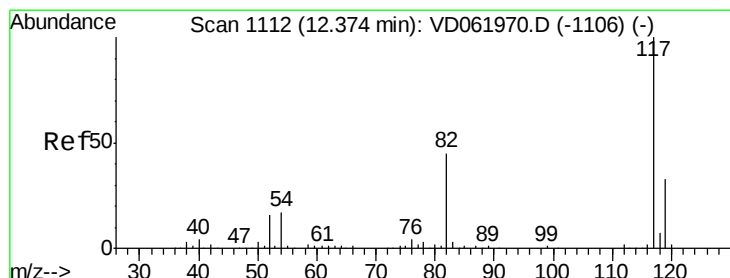
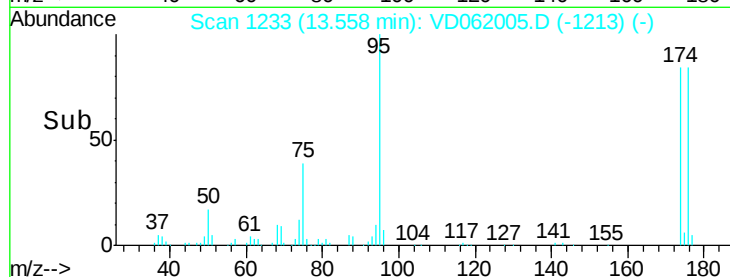
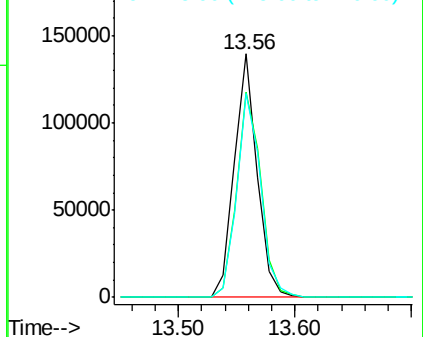
176 83.5 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

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# 1112

Delta R.T. -0.00 min

Lab File: VD062005.D

Acq: 24 Apr 2019 18:51

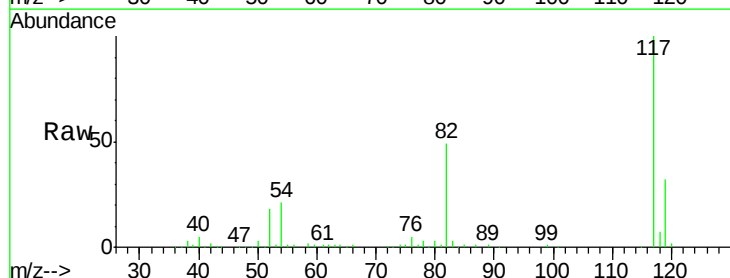
Tgt Ion: 117 Resp: 609957

Ion Ratio Lower Upper

117 100

82 48.8 36.2 54.2

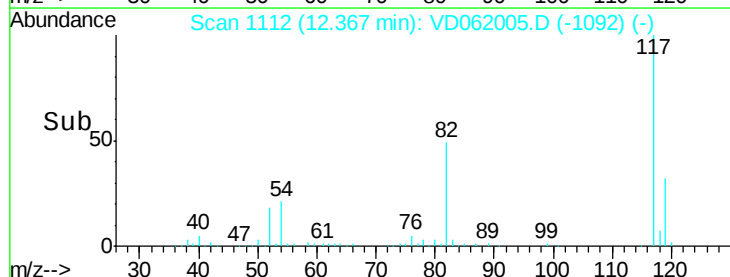
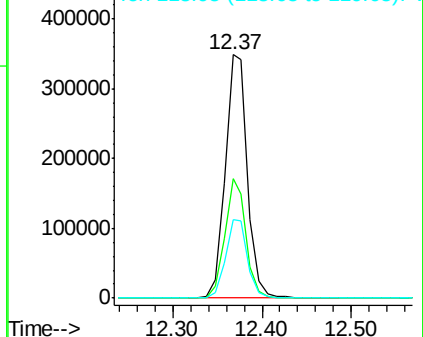
119 32.2 26.2 39.4

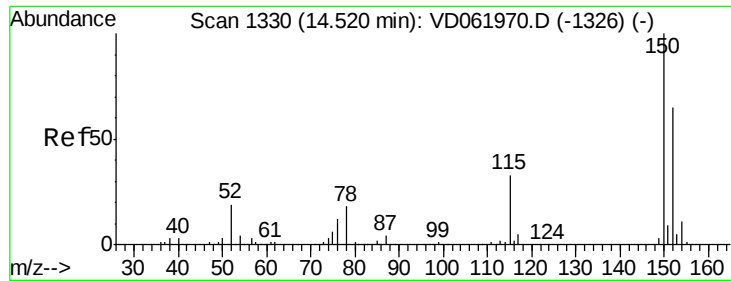


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.00 min

Lab File: VD062005.D

Acq: 24 Apr 2019 18:51

Instrument :

MSVOA_D

ClientSampleId :

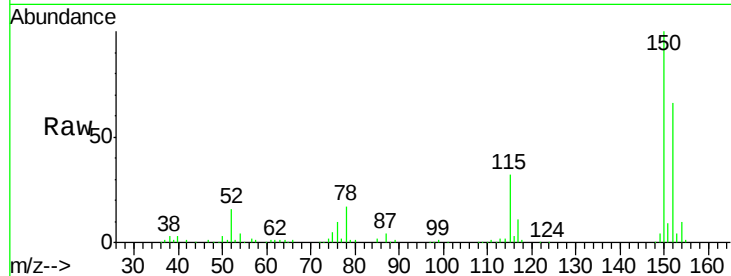
Tot Ion:152 Resp: 226215

Ion Ratio Lower Upper

152 100

115 48.7 30.9 92.7

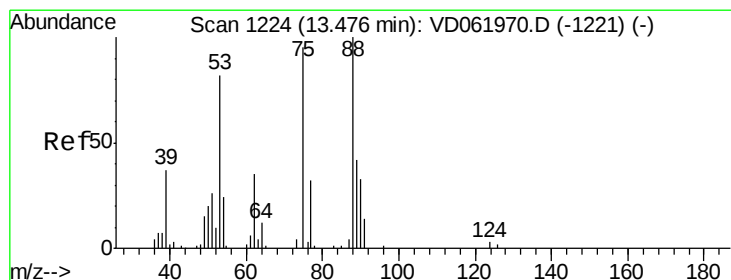
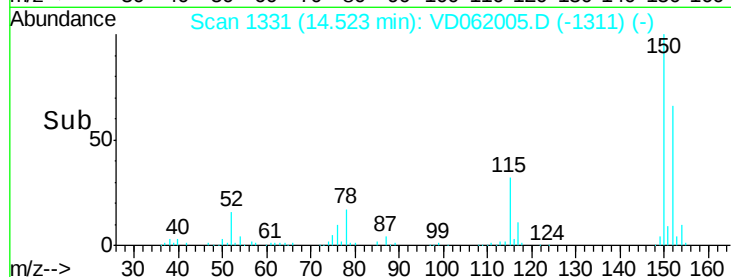
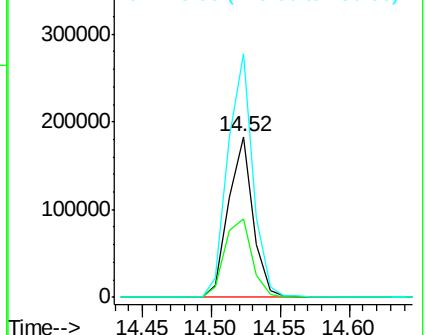
150 151.4 0.0 314.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 84.335 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062005.D

Acq: 24 Apr 2019 18:51

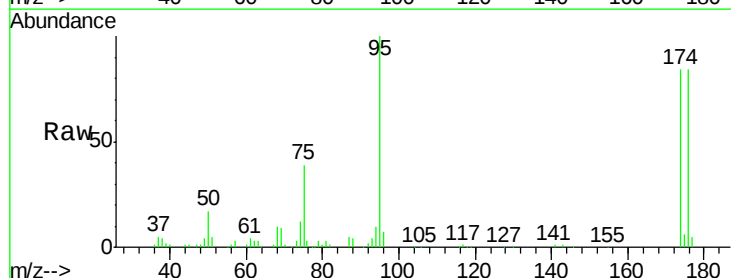
Tgt Ion: 75 Resp: 73414

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

