

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062490.D
 Acq On : 21 May 2019 19:20
 Operator : VA/AP
 Sample : K2971-11
 Misc : 7.14g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 22 01:45:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	520485	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	726351	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	569652	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	306067	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	170626	30.63	ug/l	-0.02
Spiked Amount				50.000		
Recovery						61.26%
35) Dibromofluoromethane	6.92	113	222473	33.95	ug/l	-0.03
Spiked Amount				50.000		
Recovery						67.90%
50) Toluene-d8	10.40	98	439470	30.65	ug/l	-0.03
Spiked Amount				50.000		
Recovery						61.30%
62) 4-Bromofluorobenzene	13.55	95	196653	31.35	ug/l	-0.02
Spiked Amount				50.000		
Recovery						62.70%

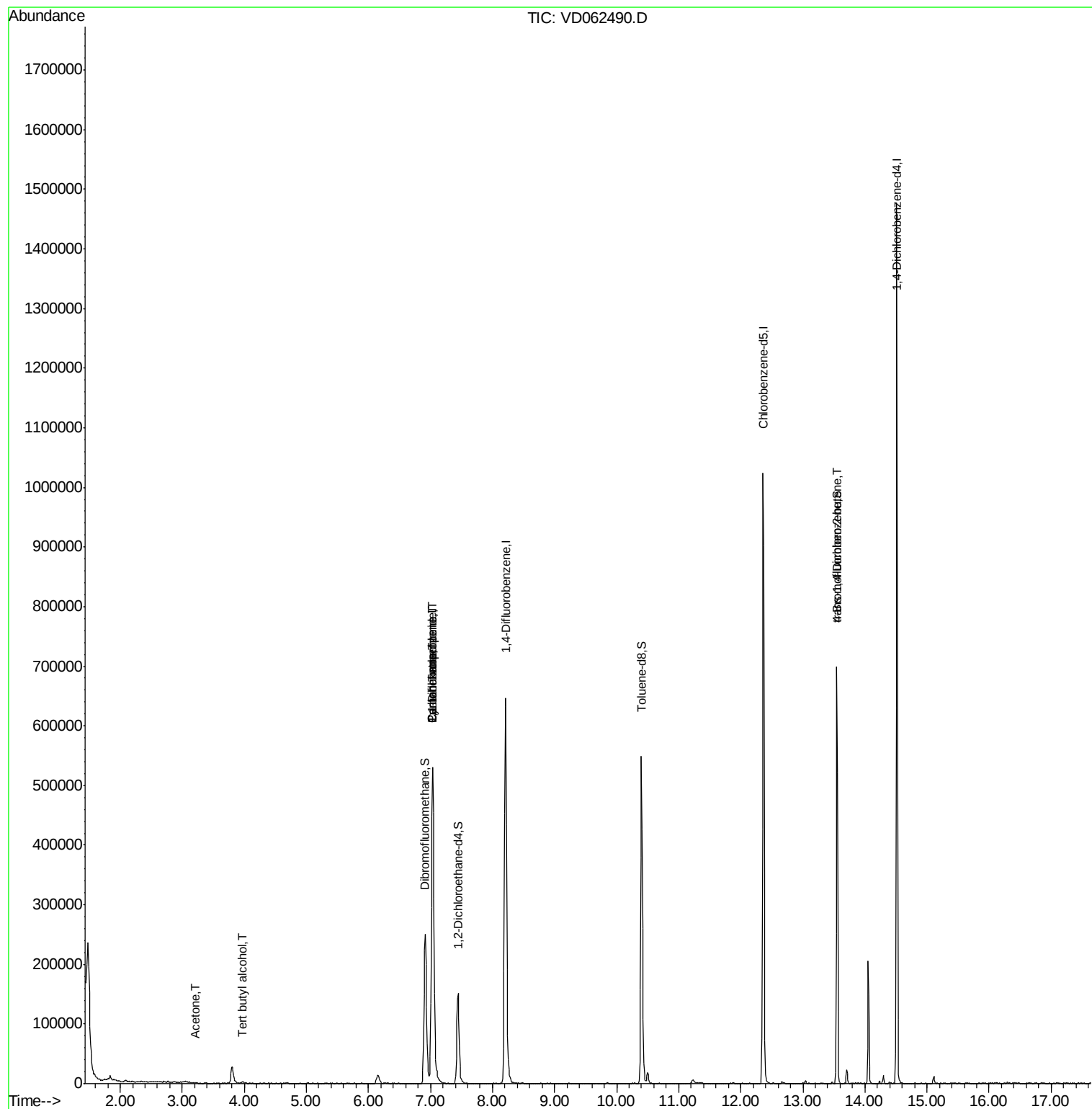
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.96	59	1749	6.801	ug/l #	76
16) Acetone	3.21	43	1768	1.771	ug/l #	50
20) Methylene Chloride	3.81	84	20868	Below Cal		90
31) Cyclohexane	7.03	56	11514	2.189	ug/l #	7
36) 1,1-Dichloropropene	7.03	75	40830	5.880	ug/l #	47
38) Carbon Tetrachloride	7.03	117	54657	5.296	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.55	75	88144	86.693	ug/l #	16

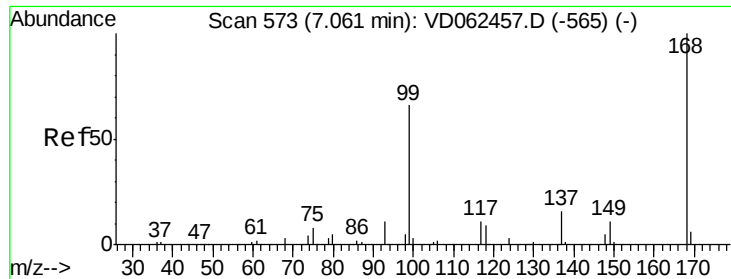
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052119\
Data File : VD062490.D
Acq On : 21 May 2019 19:20
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ALS Vial : 18 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :

Quant Time: May 22 01:45:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD062490.D

Acq: 21 May 2019 19:20

Instrument :

MSVOA_D

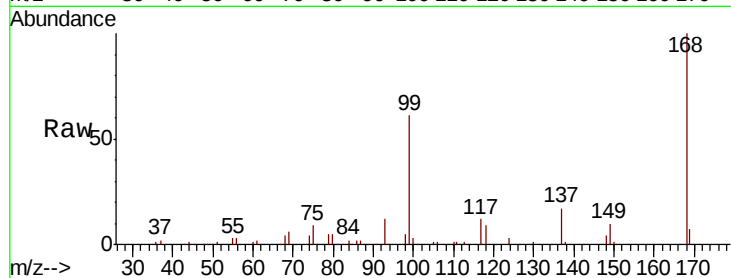
ClientSampleId :

Tot Ion:168 Resp: 520485

Ion Ratio Lower Upper

168 100

99 61.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

200000

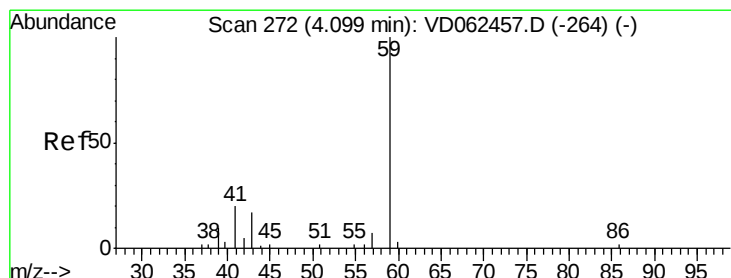
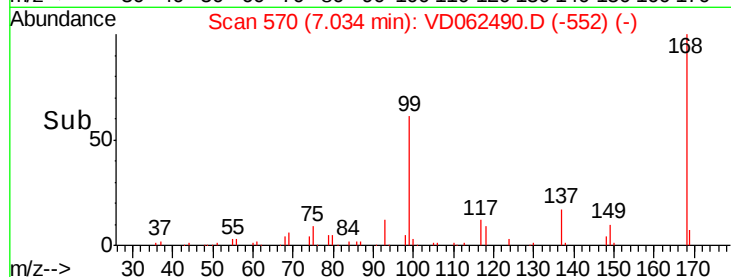
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 6.801 ug/l

RT: 3.96 min Scan# 258

Delta R.T. -0.14 min

Lab File: VD062490.D

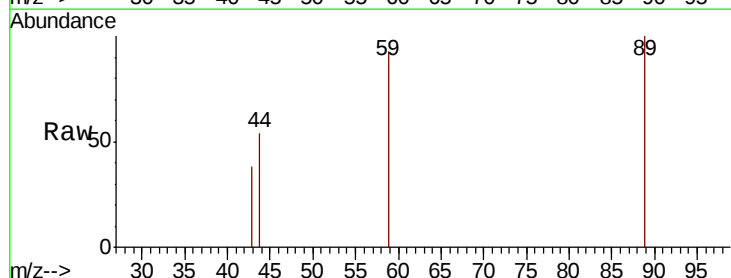
Acq: 21 May 2019 19:20

Tgt Ion: 59 Resp: 1749

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

3.96

1200

1000

800

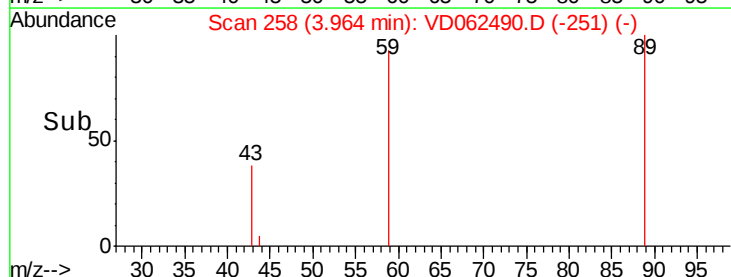
600

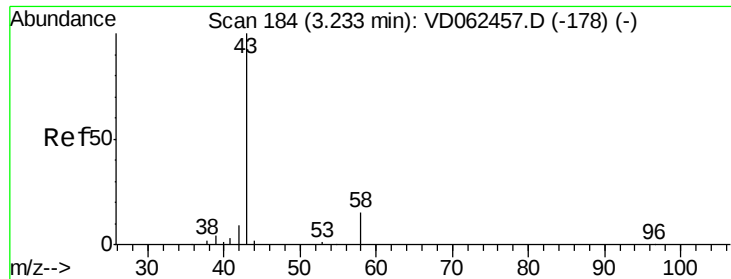
400

200

0

Time-->





#16

Acetone

Concen: 1.771 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD062490.D

Acq: 21 May 2019 19:20

Instrument :

MSVOA_D

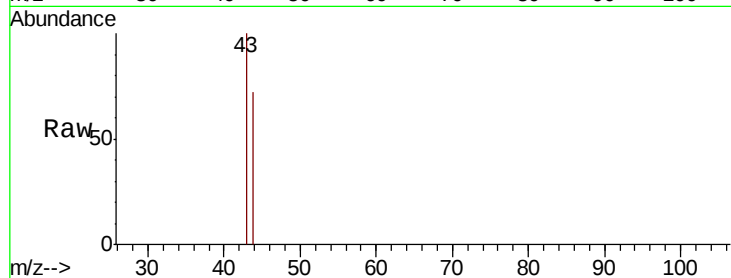
ClientSampleId :

Tot Ion: 43 Resp: 1768

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

800

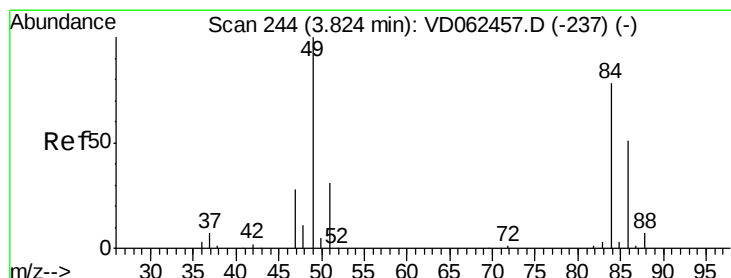
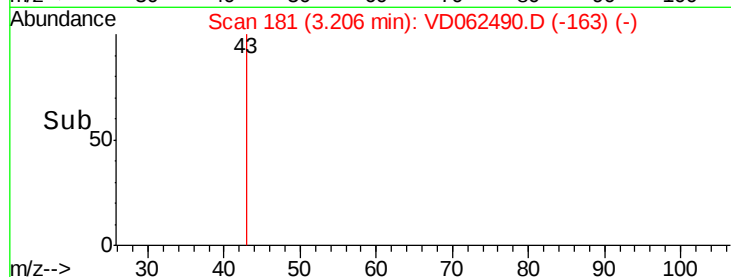
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 3.81 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD062490.D

Acq: 21 May 2019 19:20

Tgt Ion: 84 Resp: 20868

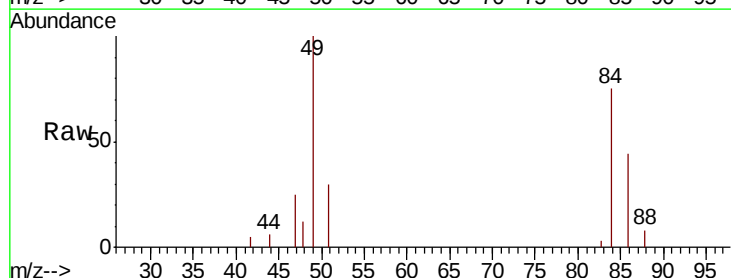
Ion Ratio Lower Upper

84 100

49 134.2 94.0 141.0

51 40.1 29.0 43.4

86 59.6 49.8 74.6



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

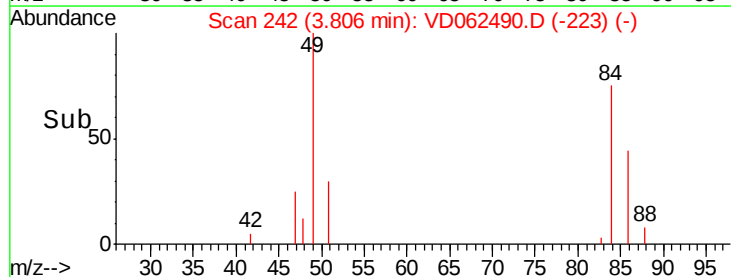
Ion 85.90 (85.60 to 86.60): VDC

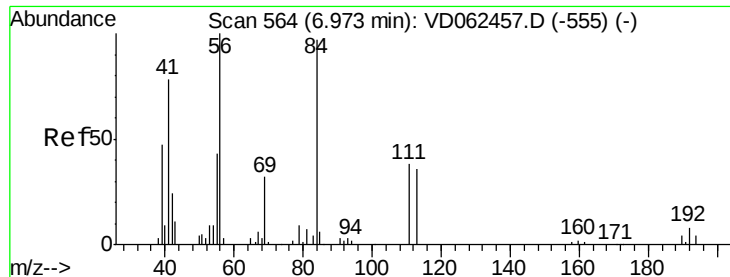
10000

5000

0

Time-->

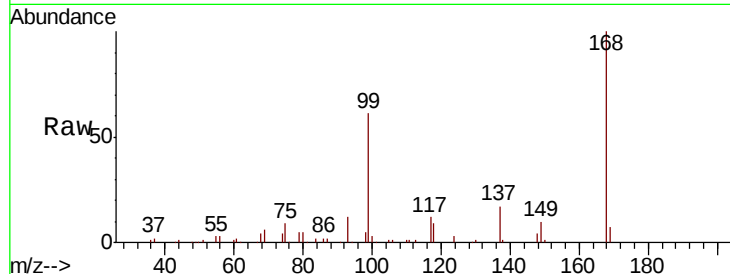




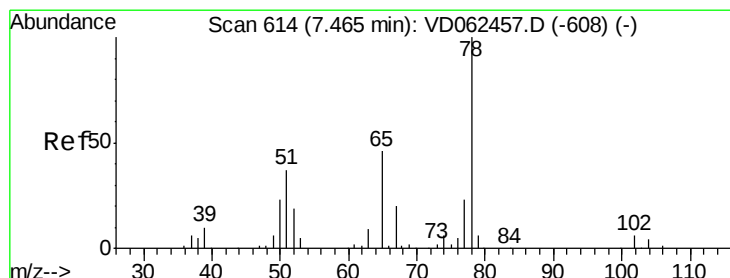
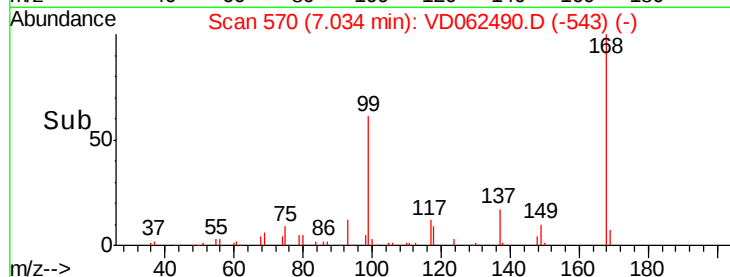
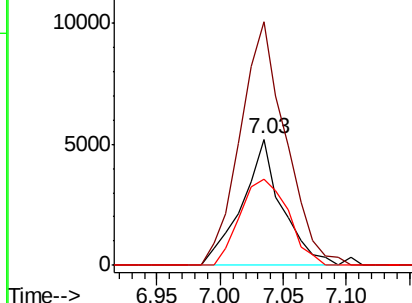
#31
Cyclohexane
Concen: 2.189 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.06 min
Lab File: VD062490.D
Acq: 21 May 2019 19:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 11514
Ion Ratio Lower Upper
56 100
69 192.7 25.8 38.6#
84 68.2 72.2 108.4#

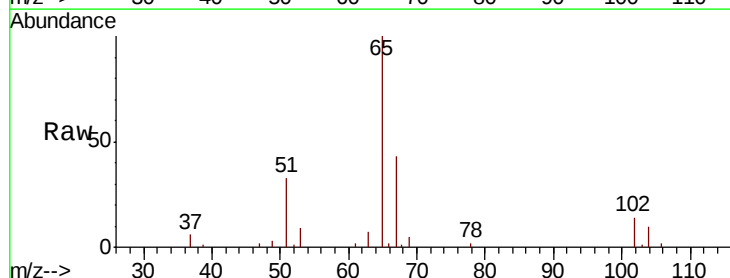


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

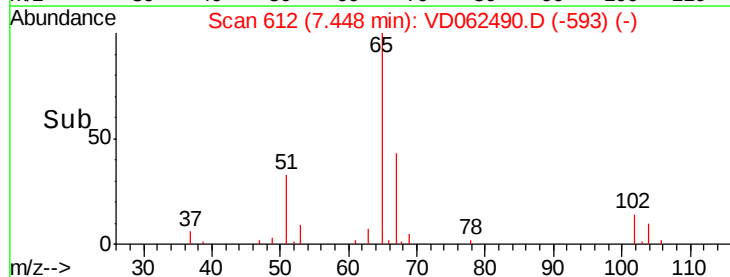
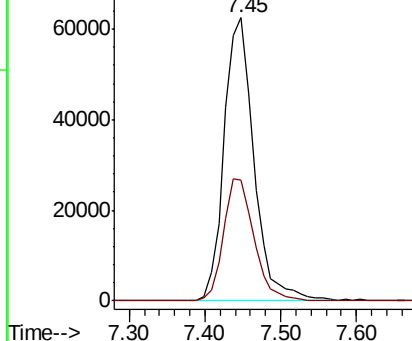


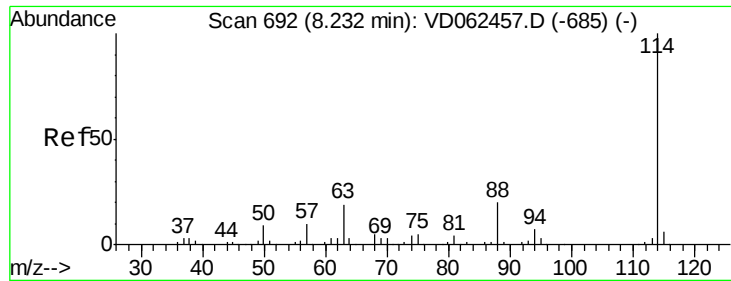
#33
1,2-Dichloroethane-d4
Concen: 30.625 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD062490.D
Acq: 21 May 2019 19:20

Tgt Ion: 65 Resp: 170626
Ion Ratio Lower Upper
65 100
67 42.8 0.0 98.0



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. -0.02 min

Lab File: VD062490.D

Acq: 21 May 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

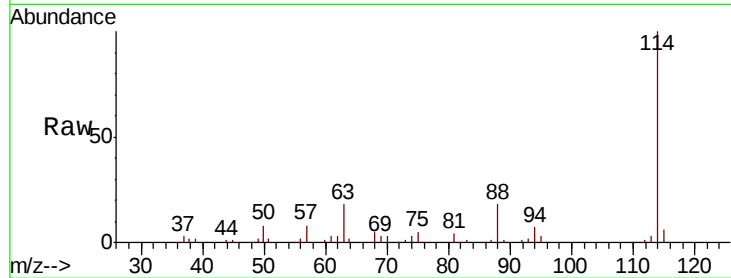
Tot Ion:114 Resp: 726351

Ion Ratio Lower Upper

114 100

63 18.1 0.0 32.4

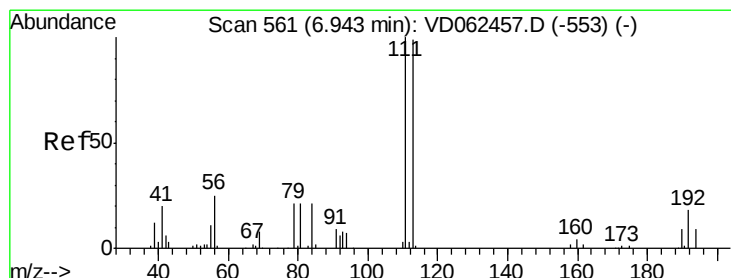
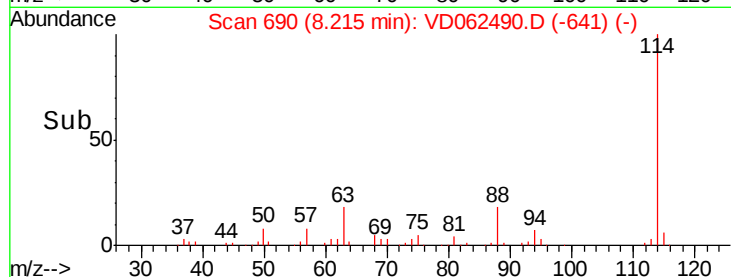
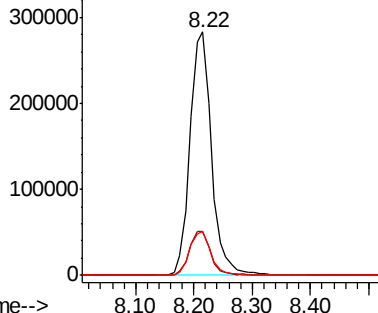
88 18.2 0.0 33.6



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: 33.952 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.03 min

Lab File: VD062490.D

Acq: 21 May 2019 19:20

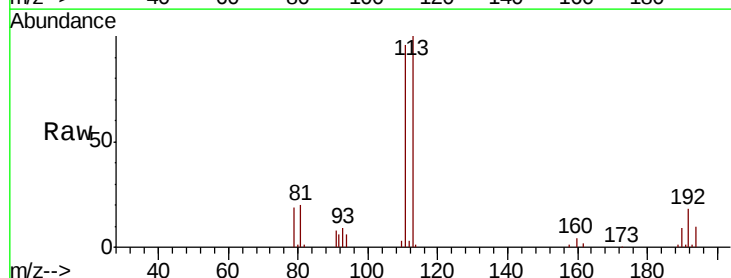
Tgt Ion:113 Resp: 222473

Ion Ratio Lower Upper

113 100

111 96.3 78.5 117.7

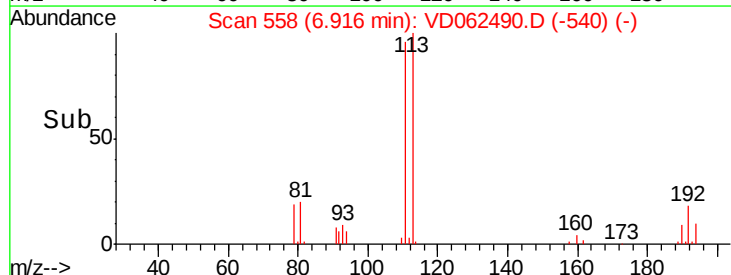
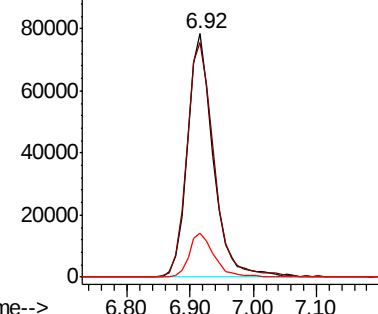
192 17.8 13.0 19.4

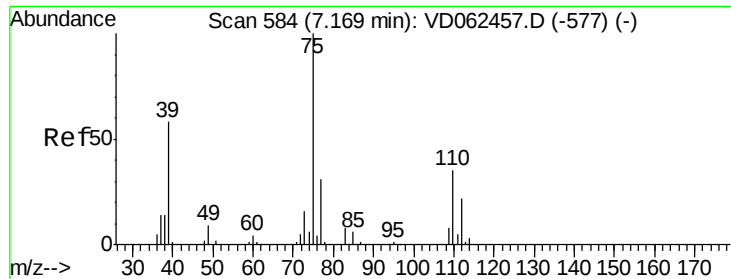


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

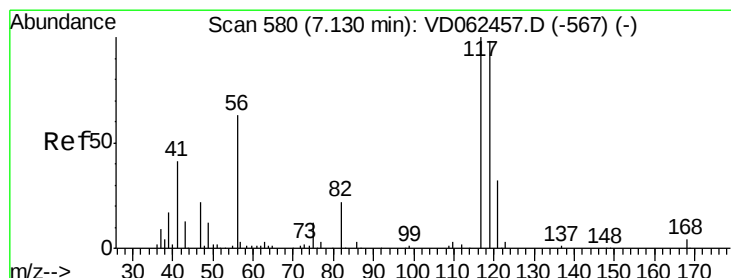
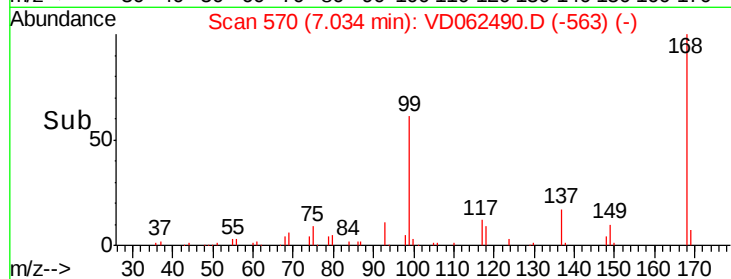
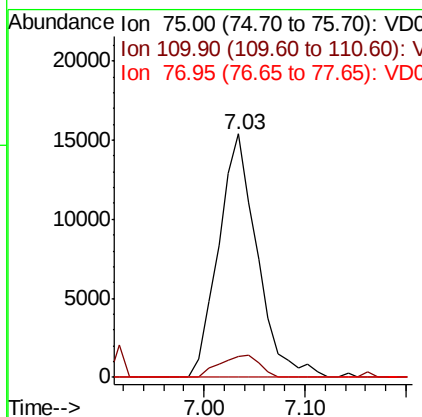
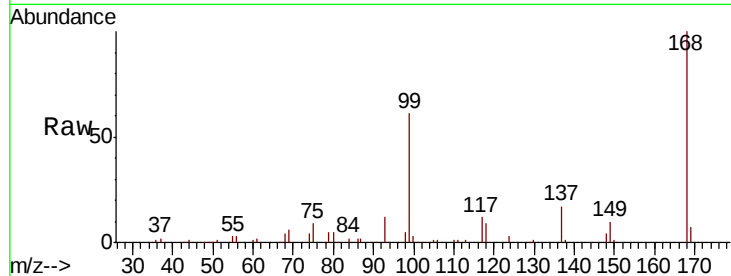




#36
 1,1-Dichloropropene
 Concen: 5.880 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.14 min
 Lab File: VD062490.D
 Acq: 21 May 2019 19:20

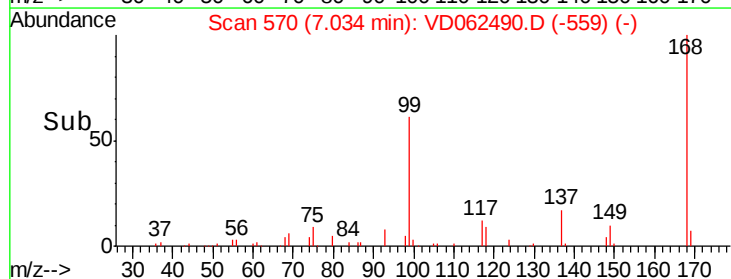
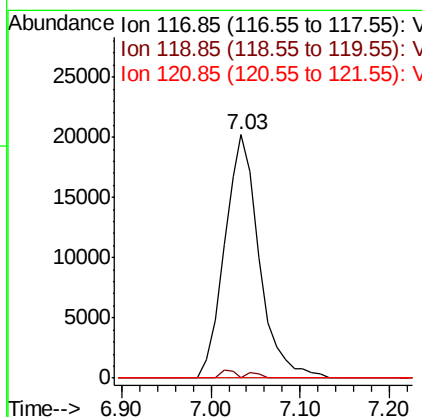
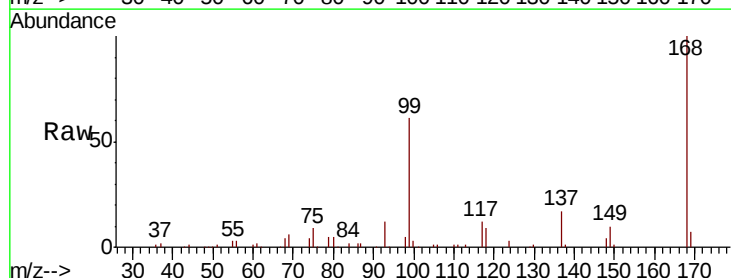
Instrument :
 MSVOA_D
 ClientSampleId :

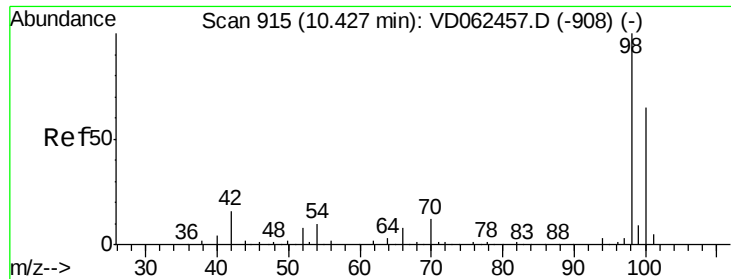
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.296 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD062490.D
 Acq: 21 May 2019 19:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.8#
121	0.0	25.9	38.9#

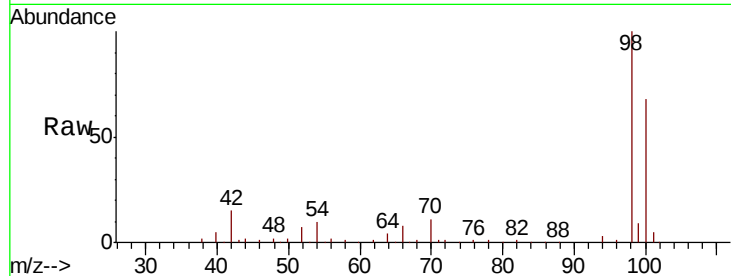




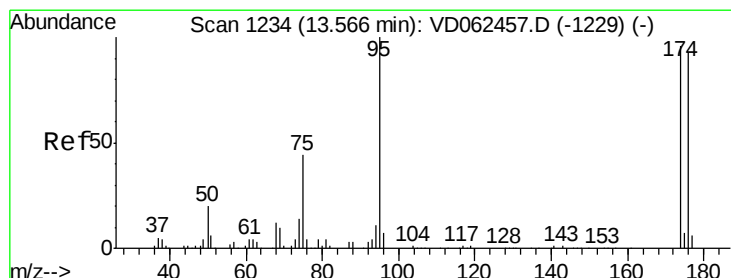
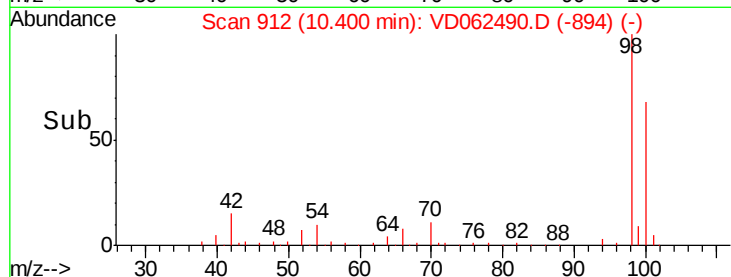
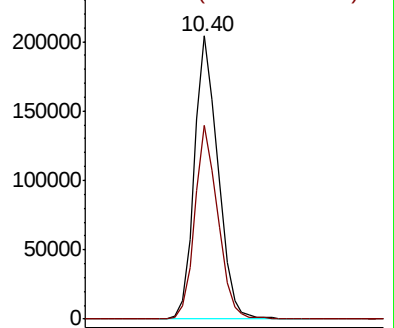
#50
Toluene-d8
Concen: 30.647 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.03 min
Lab File: VD062490.D
Acq: 21 May 2019 19:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 439470
Ion Ratio Lower Upper
98 100
100 68.3 53.8 80.8

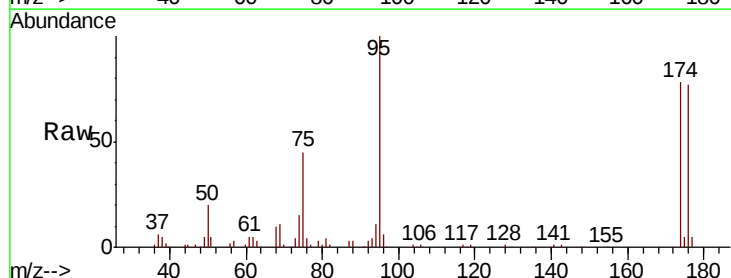


Abundance Ion 98.05 (97.75 to 98.75): VD062457.D (-908) (-)
Ion 100.05 (99.75 to 100.75): VD062457.D (-908) (-)

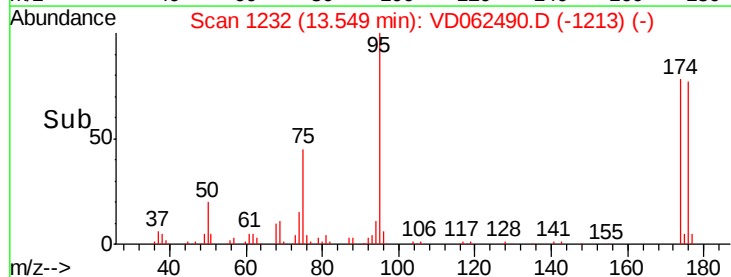
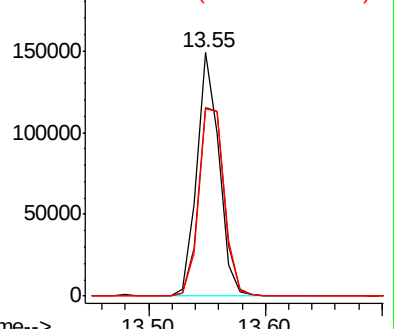


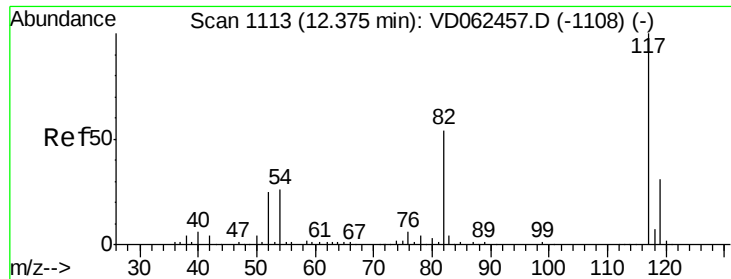
#62
4-Bromofluorobenzene
Concen: 31.351 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VD062490.D
Acq: 21 May 2019 19:20

Tgt Ion: 95 Resp: 196653
Ion Ratio Lower Upper
95 100
174 77.5 0.0 181.8
176 76.7 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062457.D (-1229) (-)
Ion 173.90 (173.60 to 174.60): VD062457.D (-1229) (-)
Ion 175.90 (175.60 to 176.60): VD062457.D (-1229) (-)

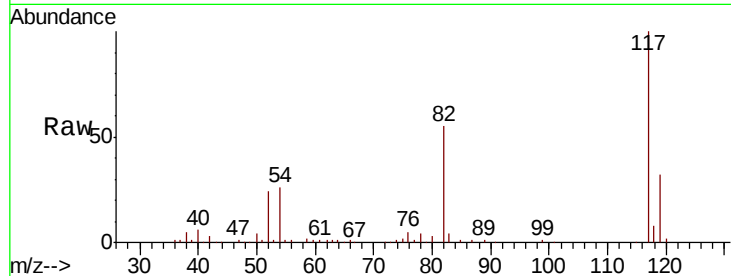




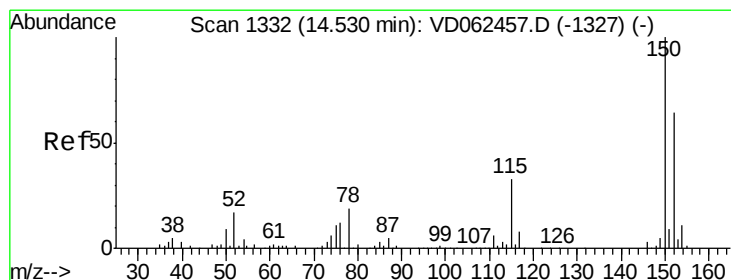
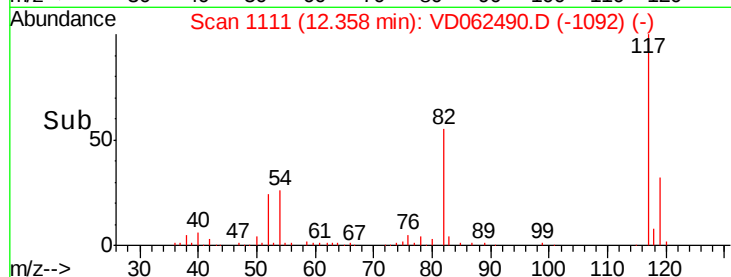
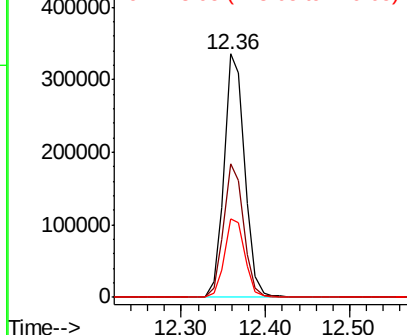
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062490.D
Acq: 21 May 2019 19:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 569652
Ion Ratio Lower Upper
117 100
82 54.9 36.2 54.2#
119 32.1 26.2 39.4

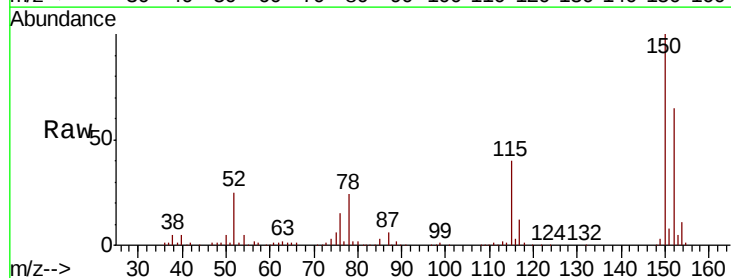


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

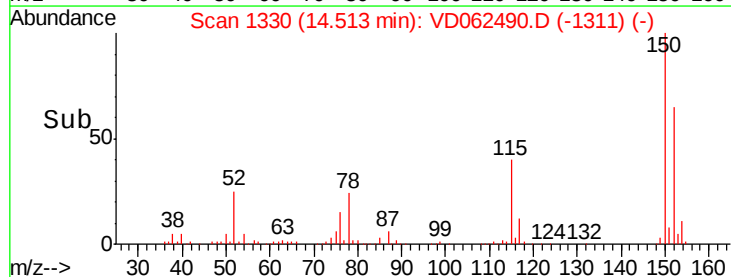
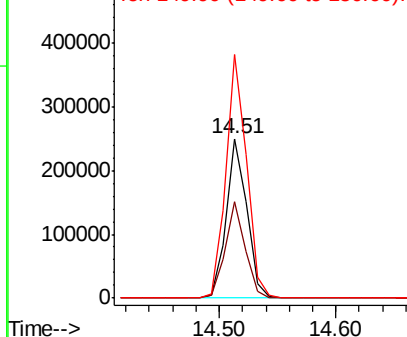


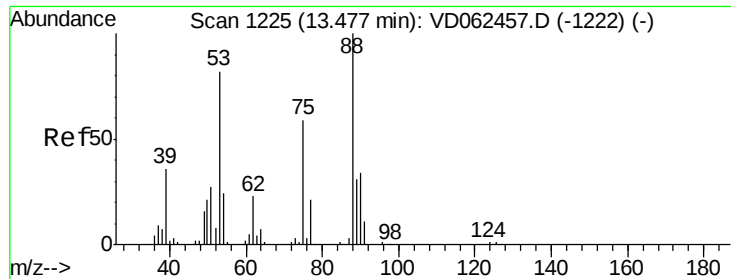
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD062490.D
Acq: 21 May 2019 19:20

Tgt Ion:152 Resp: 306067
Ion Ratio Lower Upper
152 100
115 60.8 30.9 92.7
150 153.0 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: 86.693 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062490.D

Acq: 21 May 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

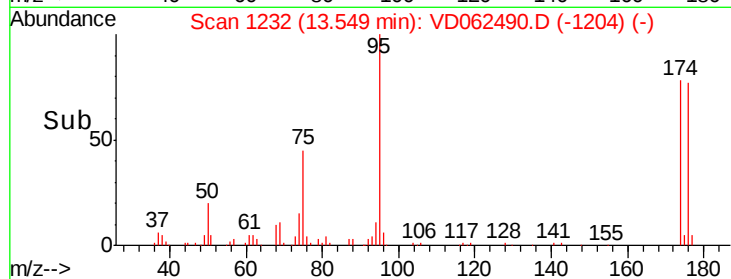
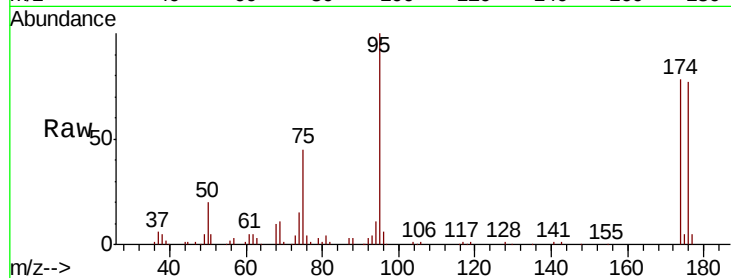
Tot Ion: 75 Resp: 88144

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

