

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062487.D
 Acq On : 21 May 2019 17:58
 Operator : VA/AP
 Sample : K2970-02
 Misc : 2.56g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 22 01:45:17 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	7.04	168	596310	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	814302	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	600724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	242919	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	189826	29.74	ug/l	-0.02
Spiked Amount			Recovery	=	59.48%	
35) Dibromofluoromethane	6.92	113	245726	33.45	ug/l	-0.02
Spiked Amount			Recovery	=	66.90%	
50) Toluene-d8	10.41	98	490357	30.50	ug/l	-0.02
Spiked Amount			Recovery	=	61.00%	
62) 4-Bromofluorobenzene	13.55	95	179640	25.55	ug/l	-0.02
Spiked Amount			Recovery	=	51.10%	

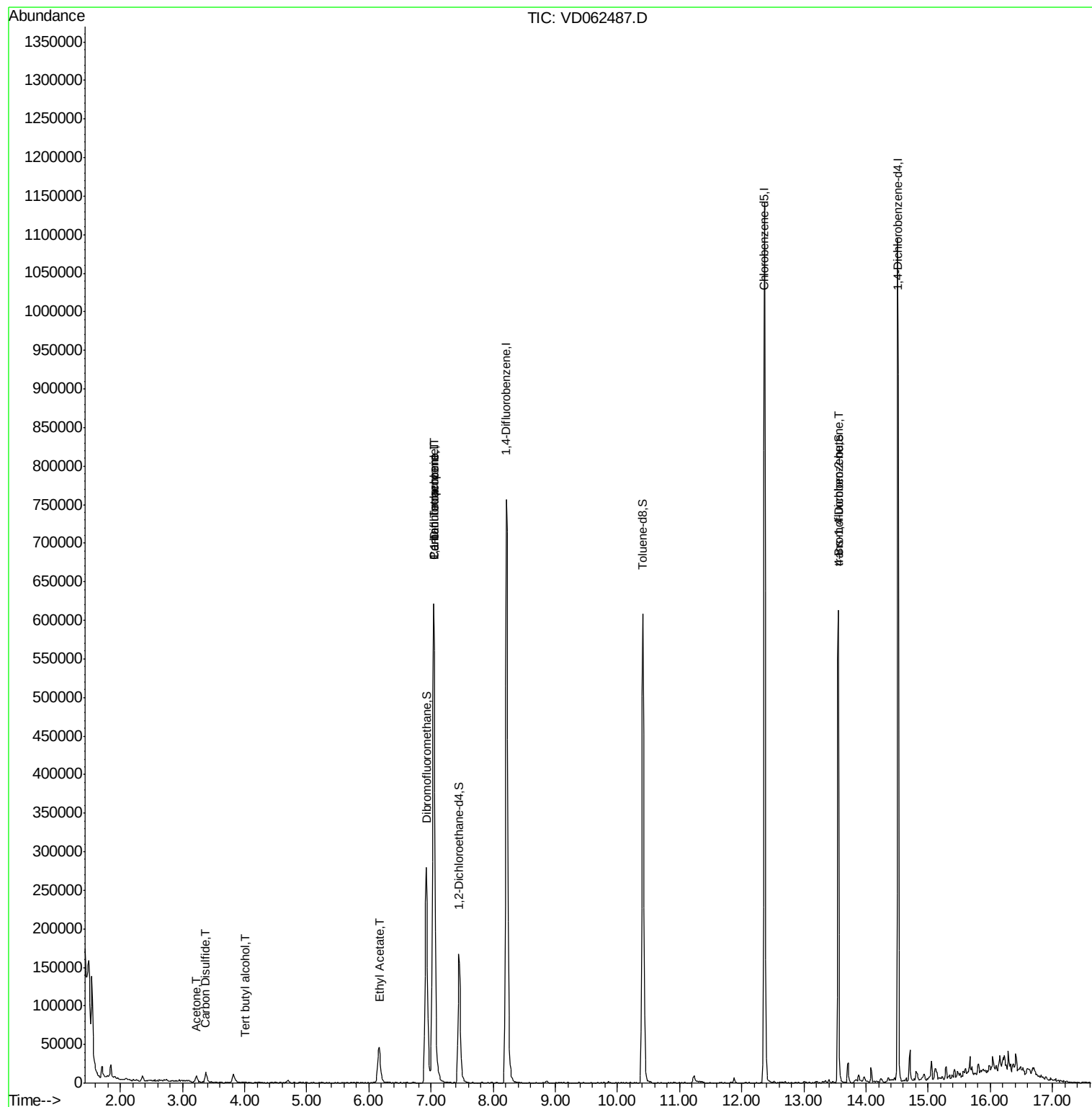
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.99	59	588	1.996	ug/l #	76
16) Acetone	3.23	43	17692	15.467	ug/l #	85
17) Carbon Disulfide	3.37	76	23719	1.773	ug/l	96
20) Methylene Chloride	3.82	84	6767	Below Cal	#	83
36) 1,1-Dichloropropene	7.04	75	45614	5.859	ug/l #	47
37) Ethyl Acetate	6.17	43	3400	1.124	ug/l #	8
38) Carbon Tetrachloride	7.04	117	60379	5.218	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	81215	100.643	ug/l #	16

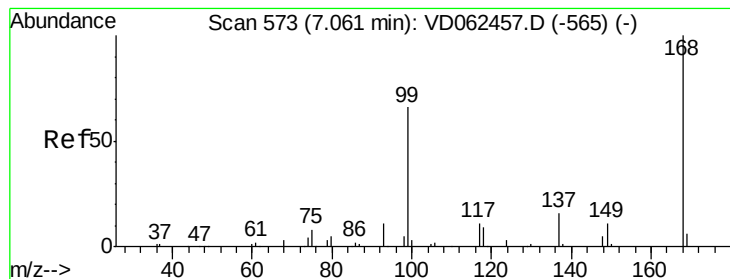
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052119\
Data File : VD062487.D
Acq On : 21 May 2019 17:58
Operator : VA/AP
Sample : K2970-02
Misc : 2.56g/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: May 22 01:45:17 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: 7.04 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD062487.D

Acq: 21 May 2019 17:58

Instrument :

MSVOA_D

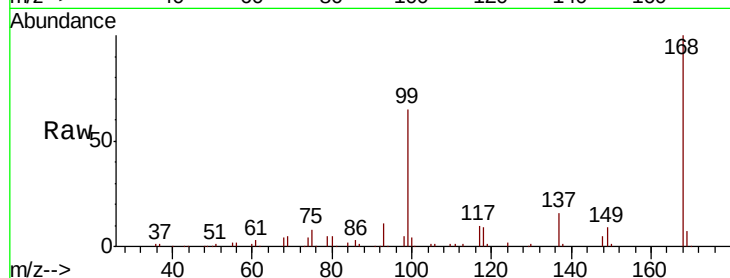
ClientSampleId :

Tot Ion:168 Resp: 596310

Ion Ratio Lower Upper

168 100

99 64.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

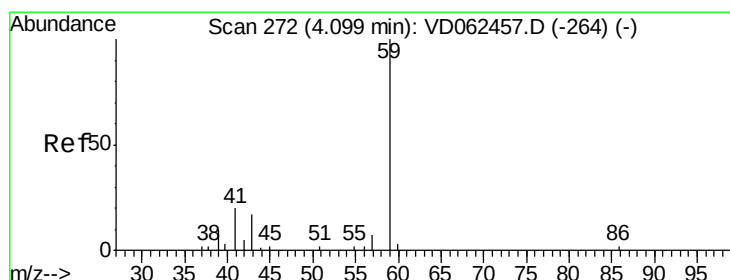
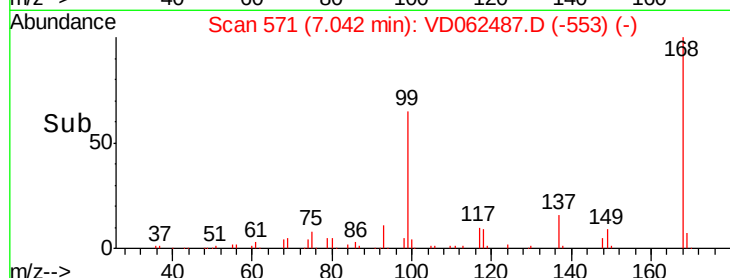
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#11

Tert butyl alcohol

Concen: 1.996 ug/l

RT: 3.99 min Scan# 261

Delta R.T. -0.11 min

Lab File: VD062487.D

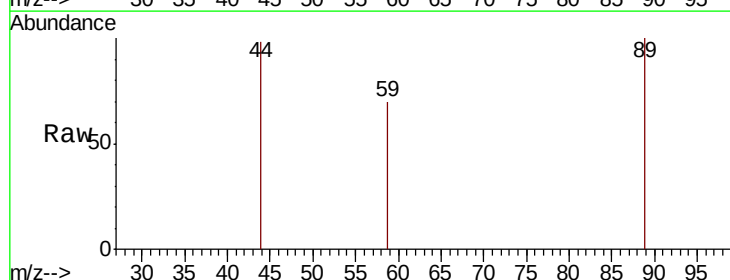
Acq: 21 May 2019 17:58

Tgt Ion: 59 Resp: 588

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

3.99

400

300

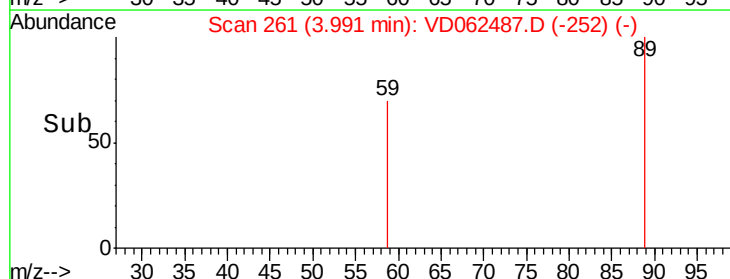
200

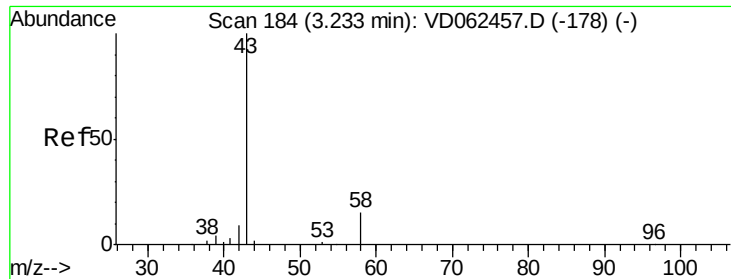
100

0

3.95 4.00 4.05

Time-->





#16

Acetone

Concen: 15.467 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD062487.D

Acq: 21 May 2019 17:58

Instrument :

MSVOA_D

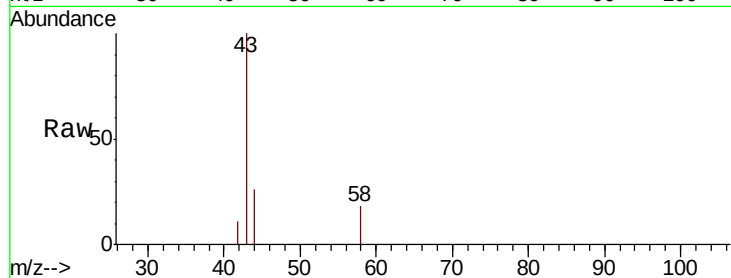
ClientSampleId :

Tot Ion: 43 Resp: 17692

Ion Ratio Lower Upper

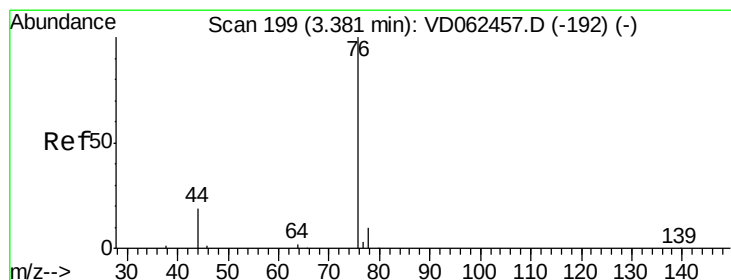
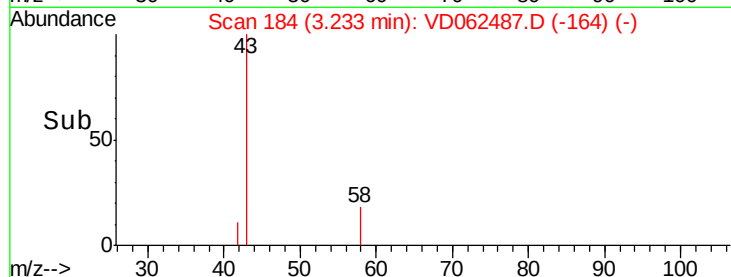
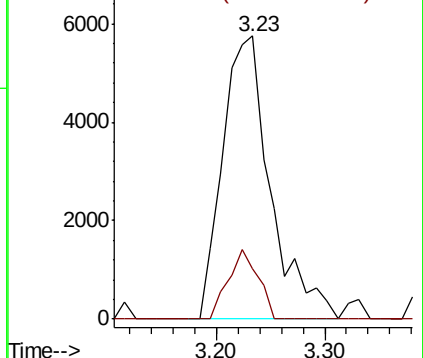
43 100

58 17.6 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 1.773 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD062487.D

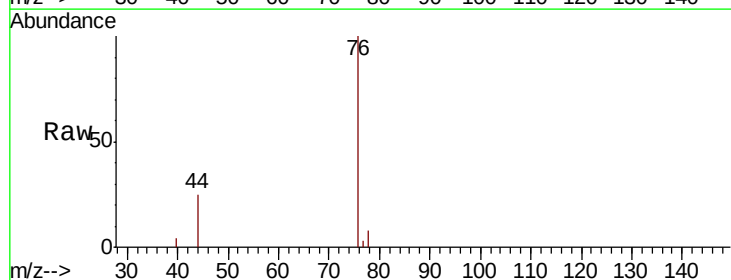
Acq: 21 May 2019 17:58

Tgt Ion: 76 Resp: 23719

Ion Ratio Lower Upper

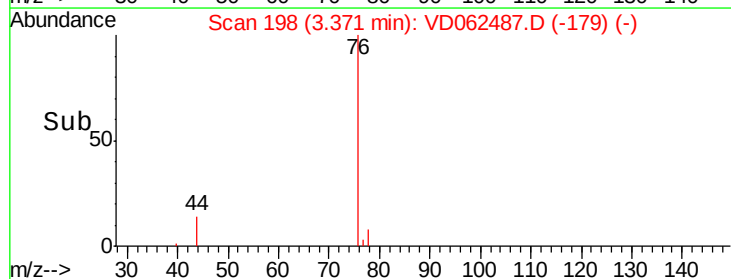
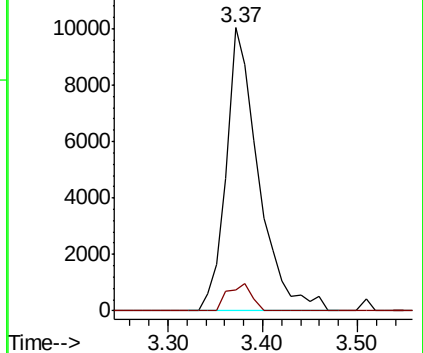
76 100

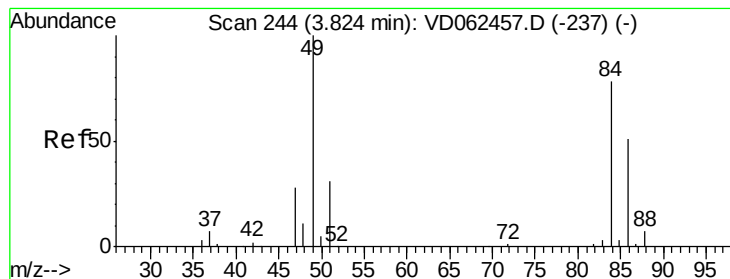
78 7.6 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 3.82 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD062487.D

Acq: 21 May 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 6767

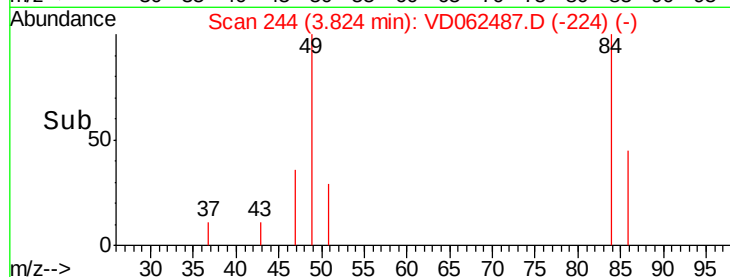
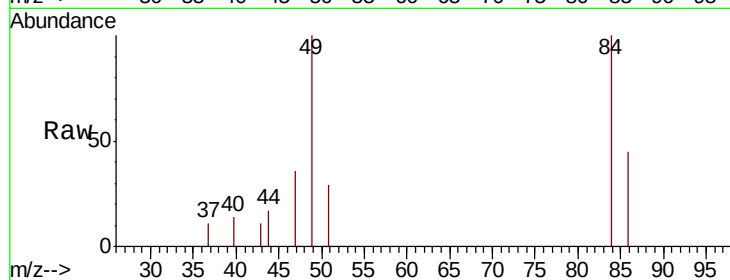
Ion Ratio Lower Upper

84 100

49 99.6 94.0 141.0

51 29.5 29.0 43.4

86 44.9 49.8 74.6#

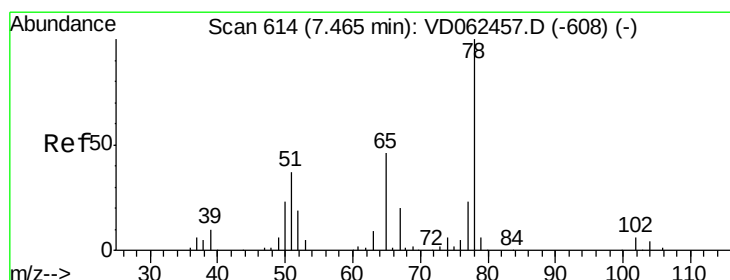
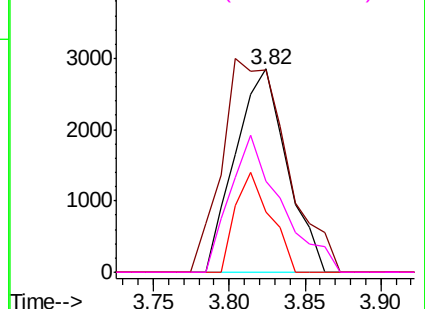


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: 29.739 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062487.D

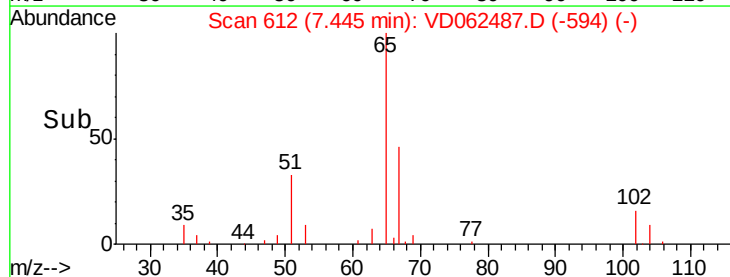
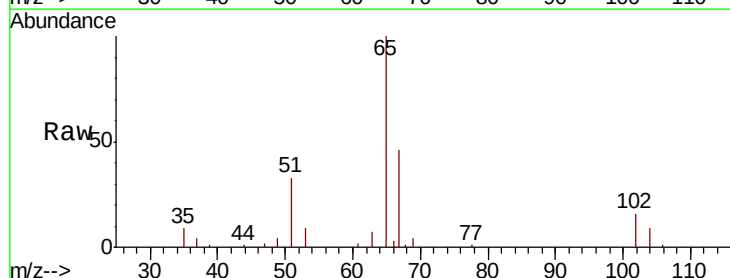
Acq: 21 May 2019 17:58

Tgt Ion: 65 Resp: 189826

Ion Ratio Lower Upper

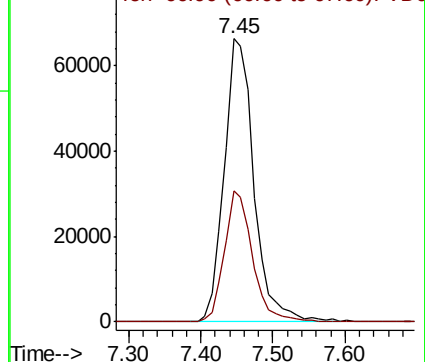
65 100

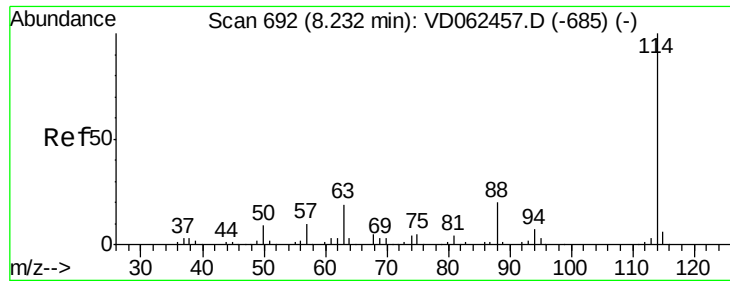
67 46.4 0.0 98.0



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: 8.21 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD062487.D

Acq: 21 May 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

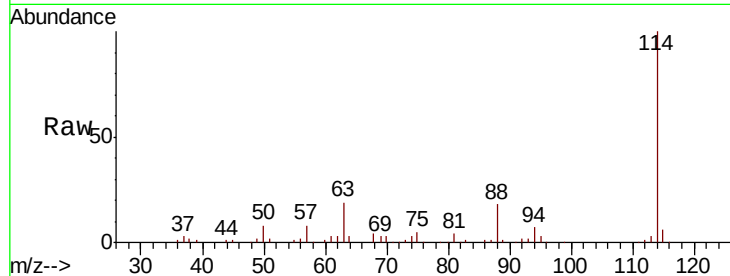
Tot Ion:114 Resp: 814302

Ion Ratio Lower Upper

114 100

63 19.4 0.0 32.4

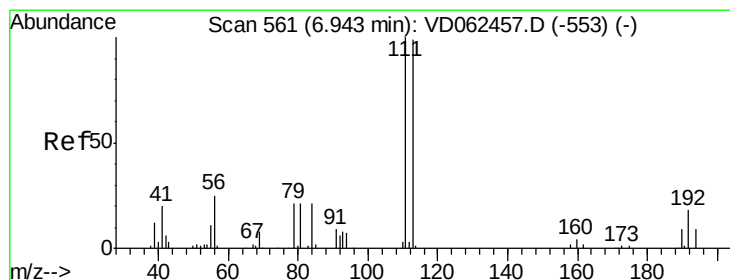
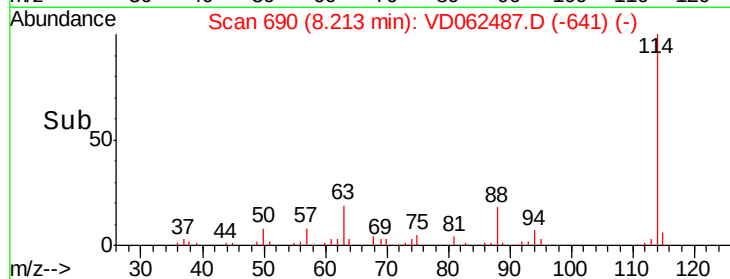
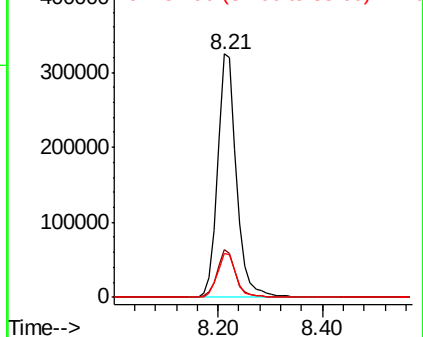
88 18.2 0.0 33.6



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: 33.450 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD062487.D

Acq: 21 May 2019 17:58

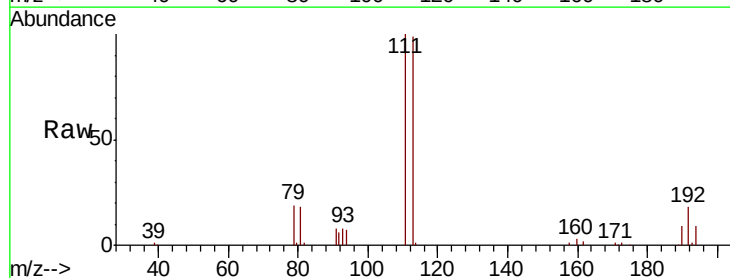
Tgt Ion:113 Resp: 245726

Ion Ratio Lower Upper

113 100

111 101.0 78.5 117.7

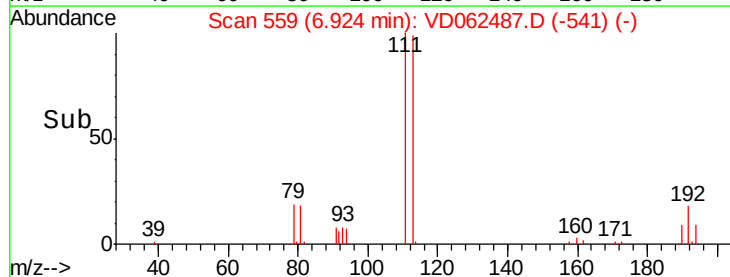
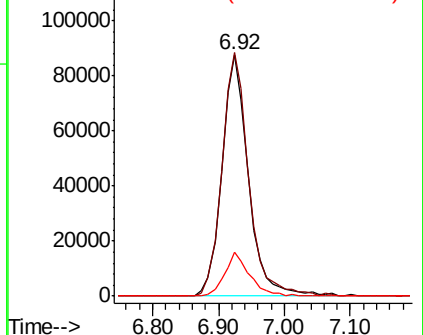
192 18.1 13.0 19.4

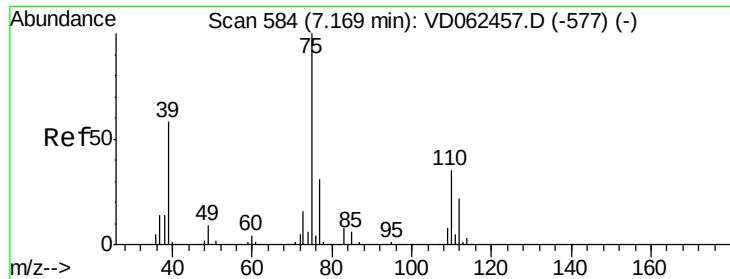


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

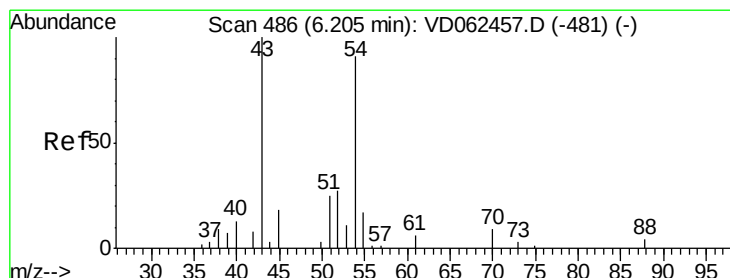
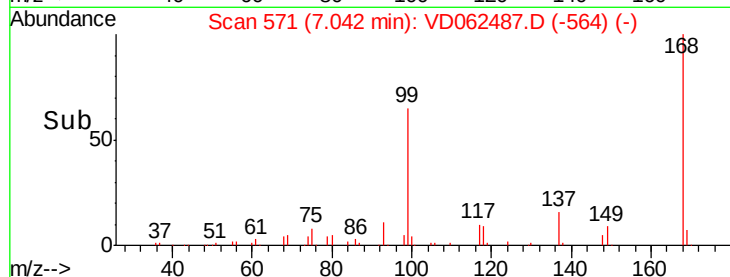
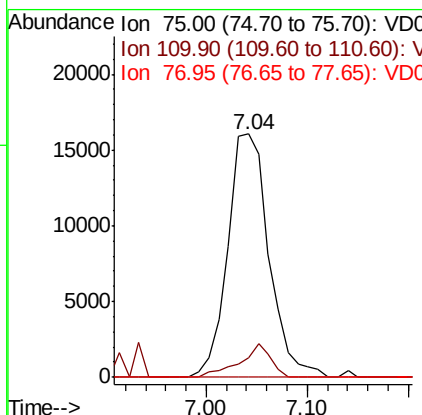
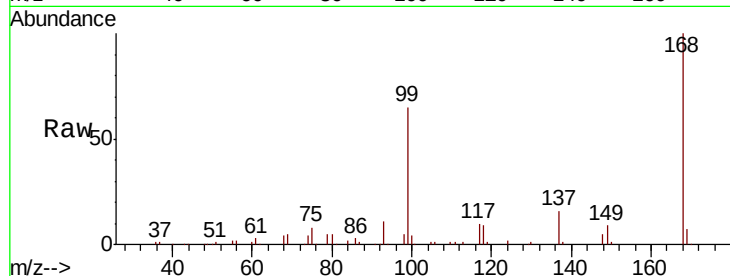




#36
 1,1-Dichloropropene
 Concen: 5.859 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.13 min
 Lab File: VD062487.D
 Acq: 21 May 2019 17:58

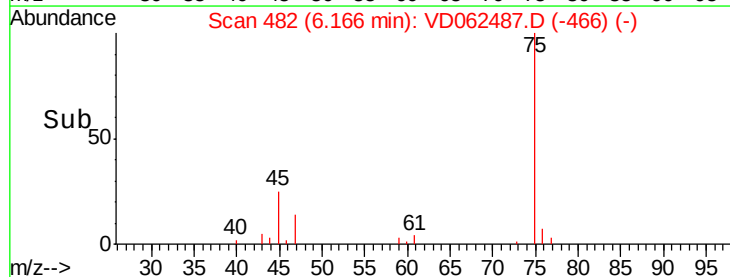
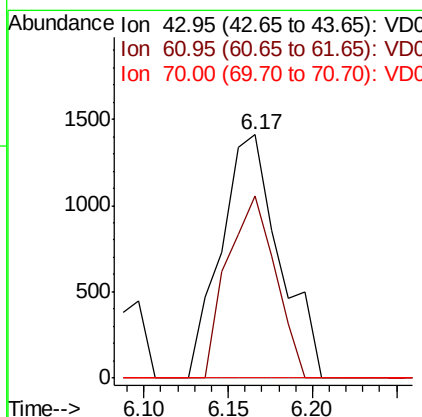
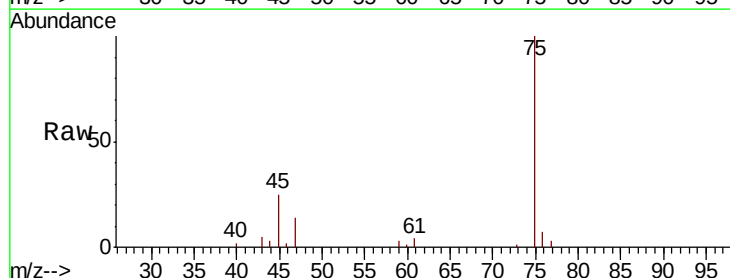
Instrument :
 MSVOA_D
 ClientSampleId :

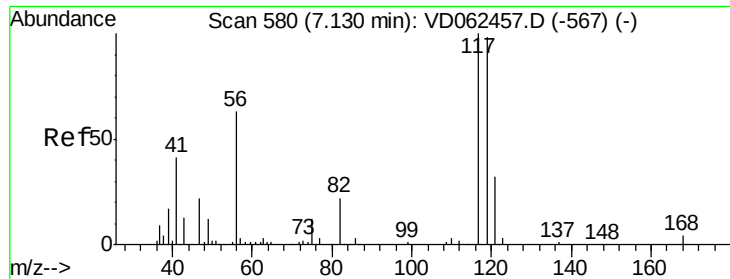
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	19.1	57.1#
77	0.0	25.6	38.4#



#37
 Ethyl Acetate
 Concen: 1.124 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. -0.04 min
 Lab File: VD062487.D
 Acq: 21 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
43	100		
61	75.1	14.7	22.1#
70	0.0	7.8	11.6#

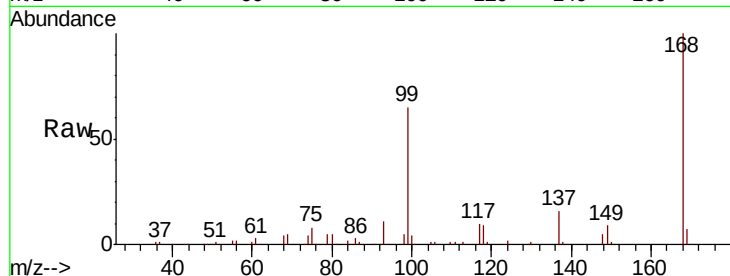




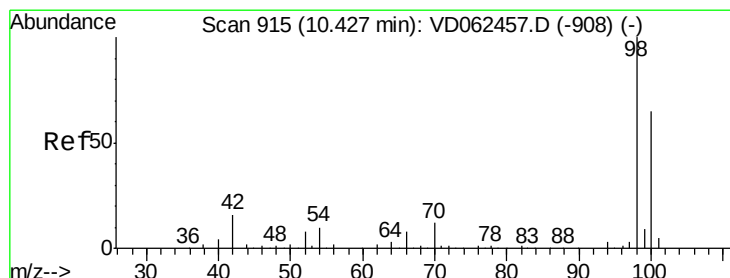
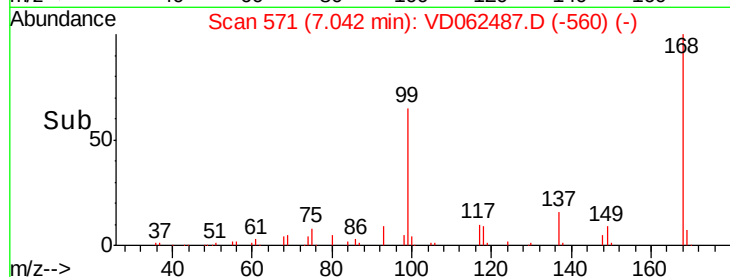
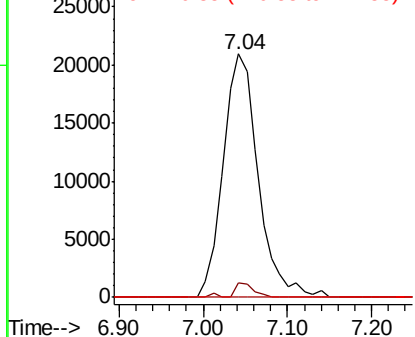
#38
Carbon Tetrachloride
Concen: 5.218 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.09 min
Lab File: VD062487.D
Acq: 21 May 2019 17:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 60379
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.8#
121 0.0 25.9 38.9#

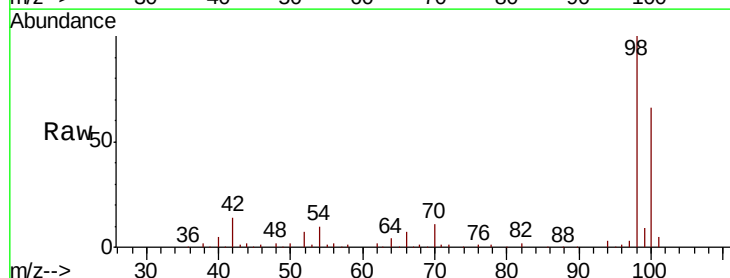


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

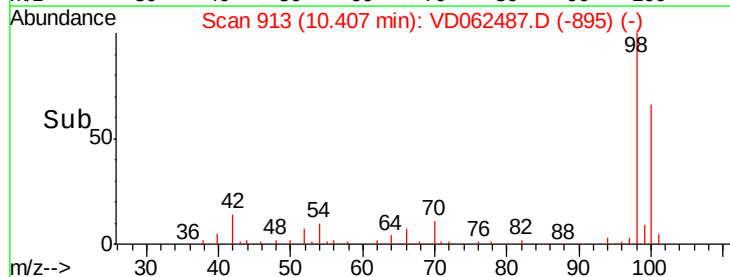
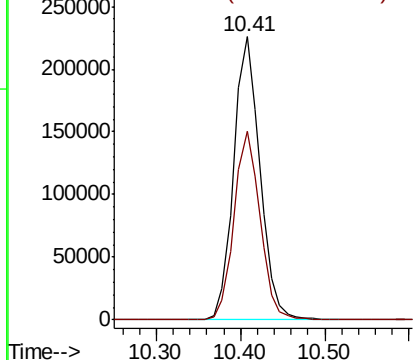


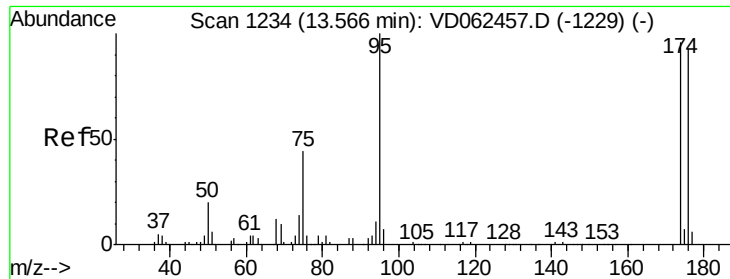
#50
Toluene-d8
Concen: 30.503 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.02 min
Lab File: VD062487.D
Acq: 21 May 2019 17:58

Tgt Ion: 98 Resp: 490357
Ion Ratio Lower Upper
98 100
100 66.5 53.8 80.8



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

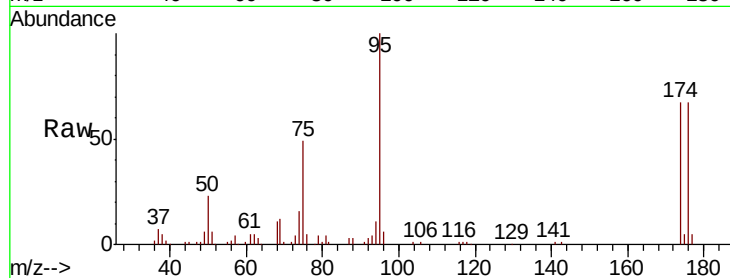




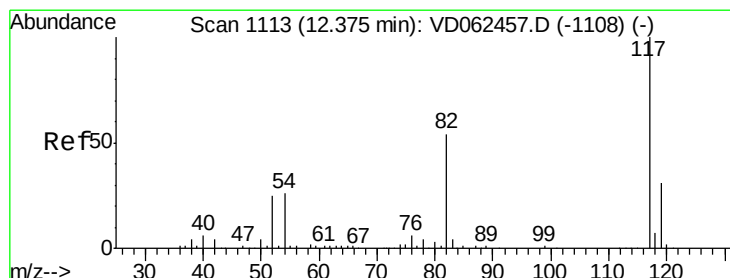
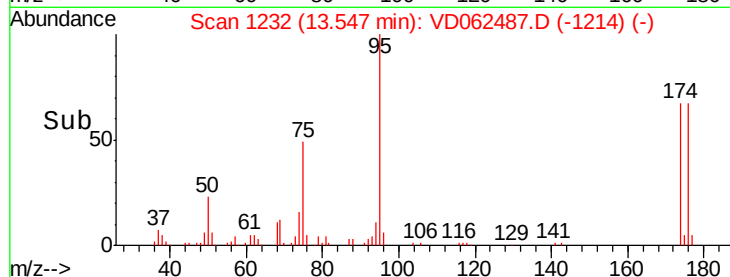
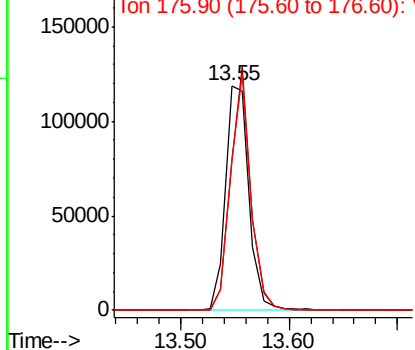
#62
 4-Bromofluorobenzene
 Concen: 25.545 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD062487.D
 Acq: 21 May 2019 17:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 95 Resp: 179640
 Ion Ratio Lower Upper
 95 100
 174 66.6 0.0 181.8
 176 67.4 0.0 174.4

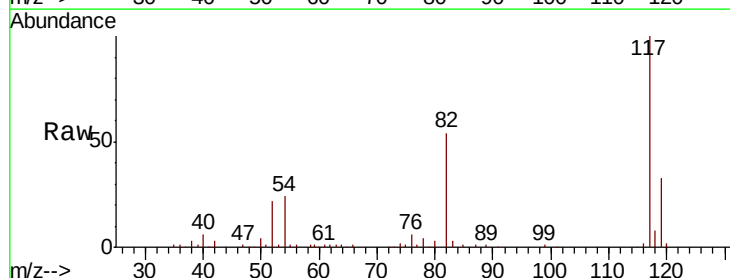


Abundance Ion 95.00 (94.70 to 95.70): V
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

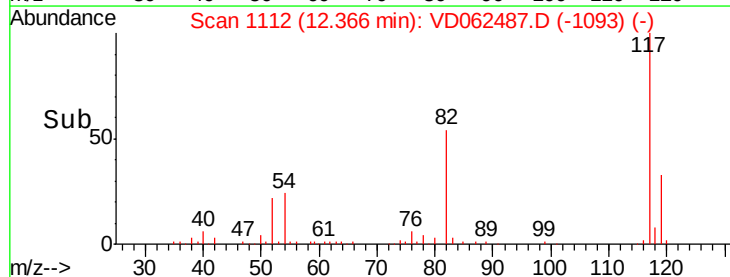
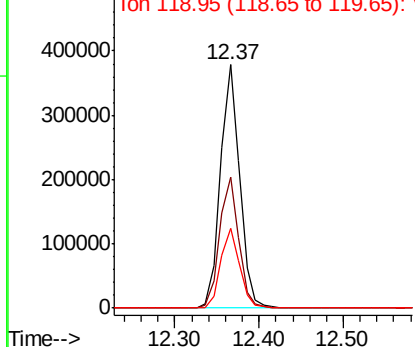


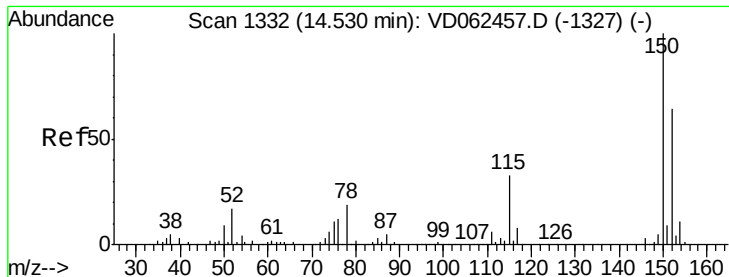
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.37 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VD062487.D
 Acq: 21 May 2019 17:58

Tgt Ion: 117 Resp: 600724
 Ion Ratio Lower Upper
 117 100
 82 53.8 36.2 54.2
 119 32.8 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: 14.51 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD062487.D

Acq: 21 May 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

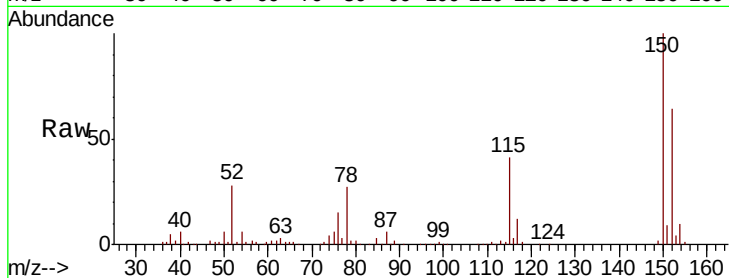
Tot Ion:152 Resp: 242919

Ion Ratio Lower Upper

152 100

115 63.9 30.9 92.7

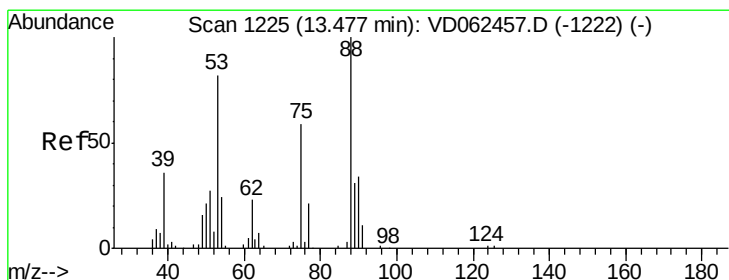
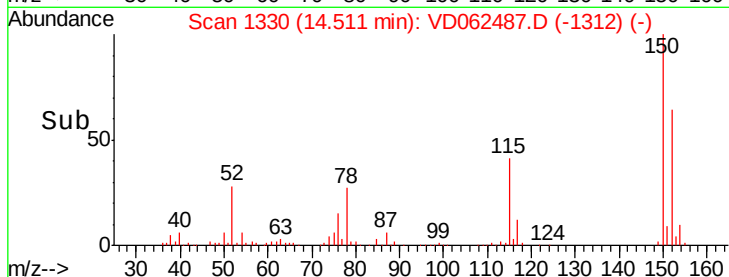
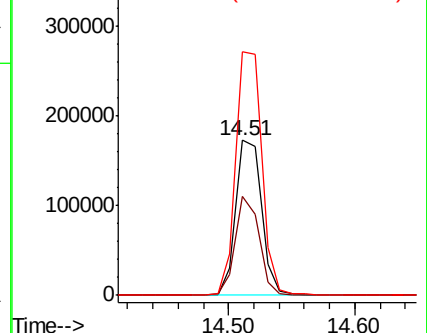
150 157.1 0.0 314.8



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: 100.643 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062487.D

Acq: 21 May 2019 17:58

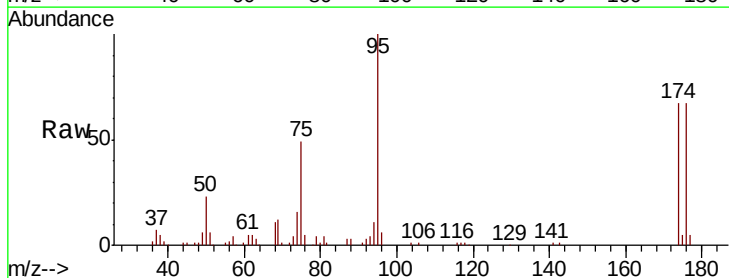
Tgt Ion: 75 Resp: 81215

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

