

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062482.D
 Acq On : 21 May 2019 15:43
 Operator : VA/AP
 Sample : K2951-03RE
 Misc : 5.49g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 22 01:44:19 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	433109	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	482494	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	225819	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	42625	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	152948	32.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	65.98%	
35) Dibromofluoromethane	6.92	113	196392	45.12	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	90.24%	
50) Toluene-d8	10.41	98	322234	33.83	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	67.66%	
62) 4-Bromofluorobenzene	13.55	95	54596	13.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	26.20%	

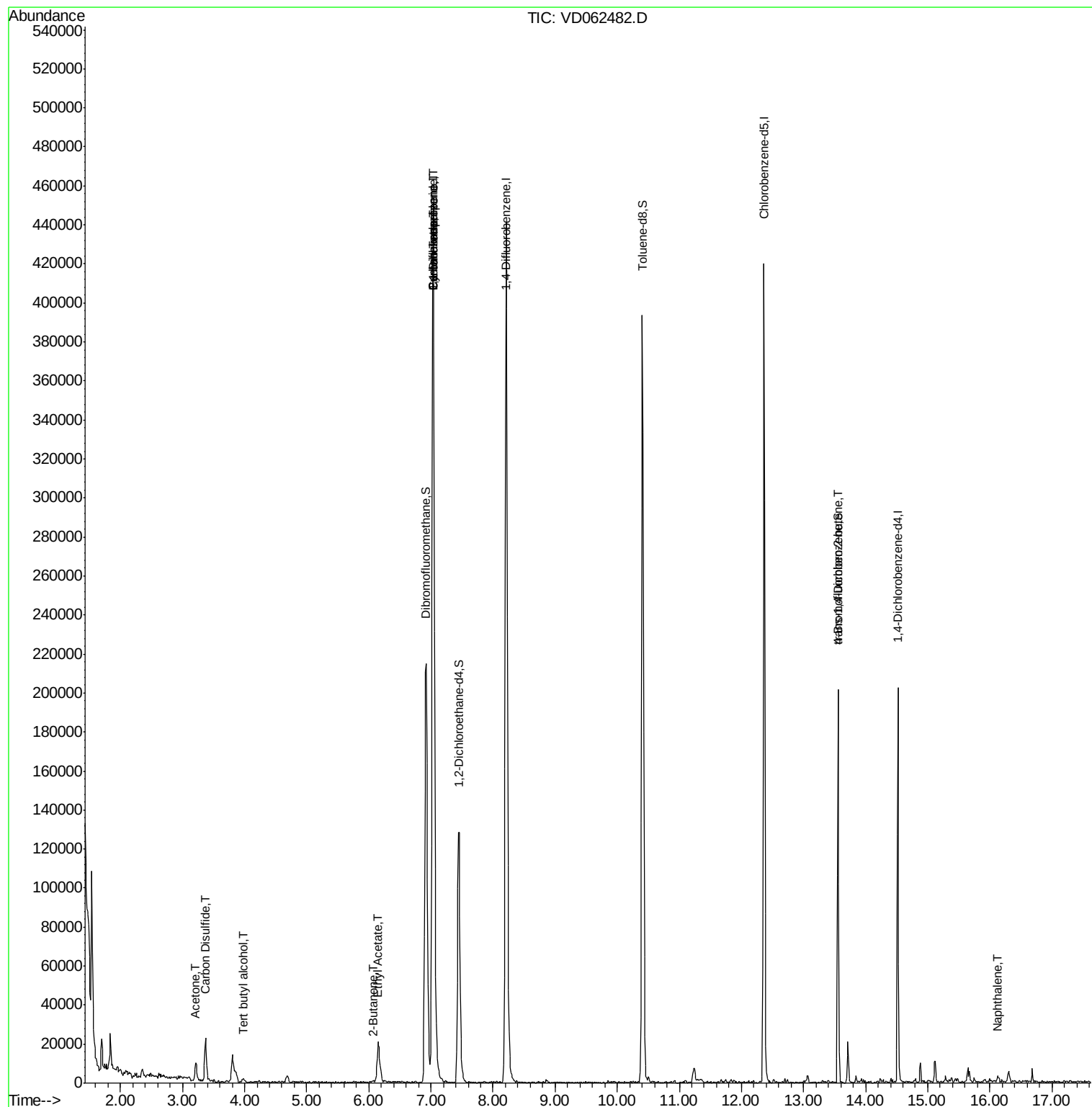
Target Compounds					Qvalue
11) Tert butyl alcohol	3.99	59	834	3.897 ug/l #	76
16) Acetone	3.22	43	16973	20.430 ug/l #	81
17) Carbon Disulfide	3.37	76	37681	3.879 ug/l	96
20) Methylene Chloride	3.80	84	8824	Below Cal	88
25) 2-Butanone	6.08	43	1971	2.268 ug/l #	56
31) Cyclohexane	7.03	56	8850	2.022 ug/l #	1
36) 1,1-Dichloropropene	7.03	75	34082	7.388 ug/l #	48
37) Ethyl Acetate	6.14	43	2142	1.195 ug/l #	39
38) Carbon Tetrachloride	7.04	117	44937	6.555 ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	24369	172.100 ug/l #	16
95) Naphthalene	16.12	128	2745	2.229 ug/l #	84

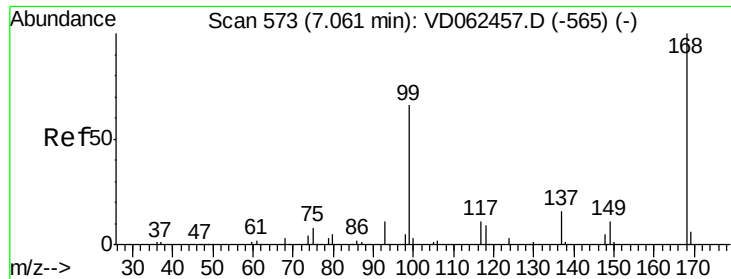
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052119\
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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: VD062482.D

Acq: 21 May 2019 15:43

Instrument :

MSVOA_D

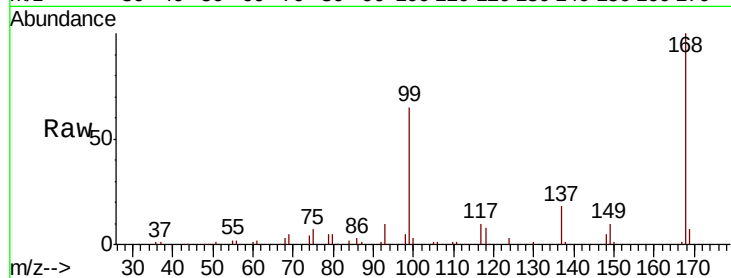
ClientSampleId :

Tot Ion:168 Resp: 433109

Ion Ratio Lower Upper

168 100

99 64.7 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

150000

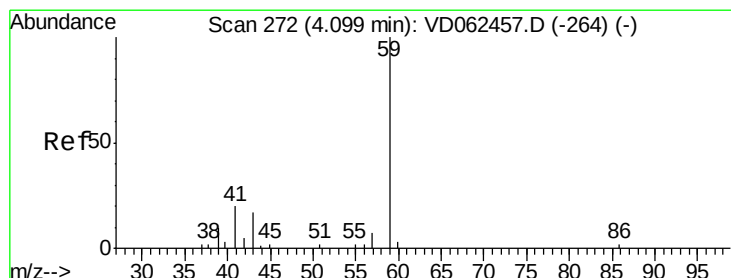
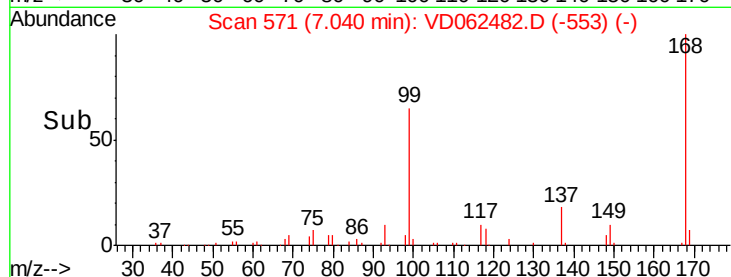
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#11

Tert butyl alcohol

Concen: 3.897 ug/l

RT: 3.99 min Scan# 261

Delta R.T. -0.11 min

Lab File: VD062482.D

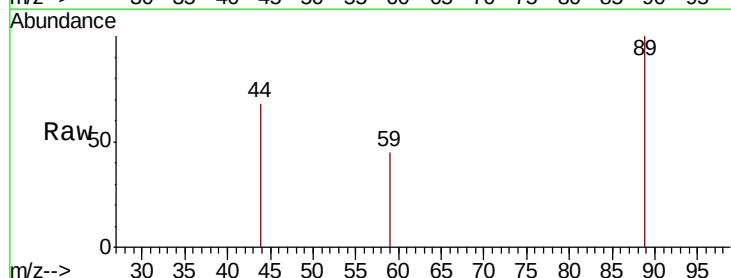
Acq: 21 May 2019 15:43

Tgt Ion: 59 Resp: 834

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

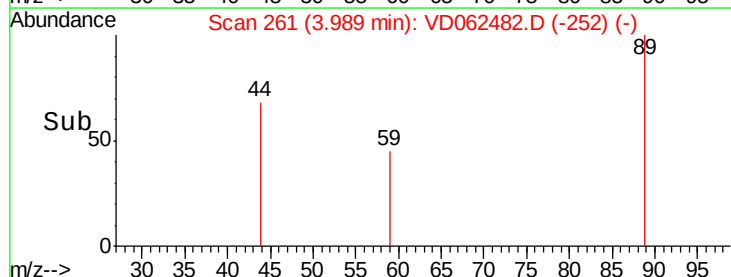
200

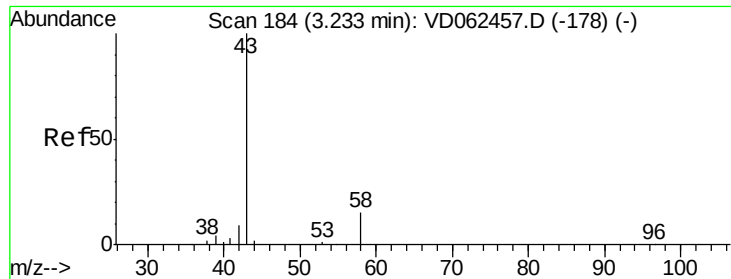
100

0

3.95 4.00 4.05

Time-->





#16

Acetone

Concen: 20.430 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD062482.D

Acq: 21 May 2019 15:43

Instrument :

MSVOA_D

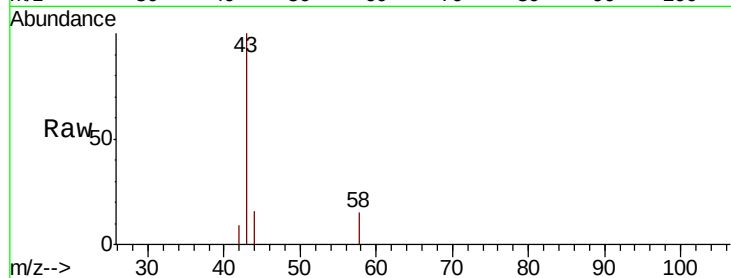
ClientSampleId :

Tot Ion: 43 Resp: 16973

Ion Ratio Lower Upper

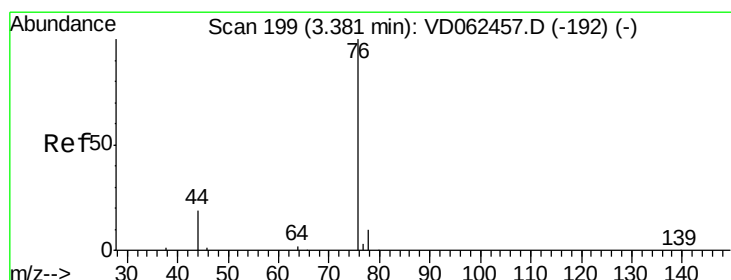
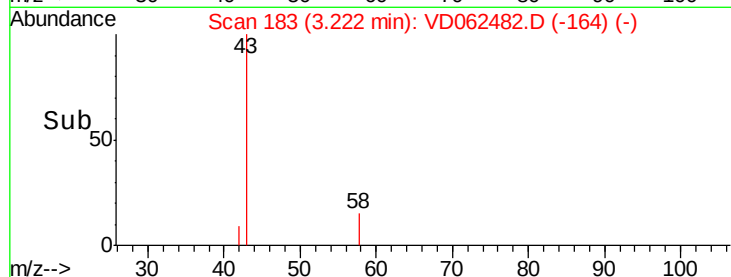
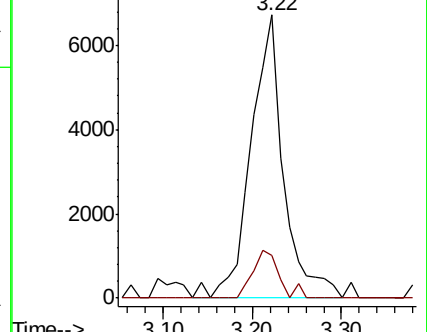
43 100

58 15.2 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: 3.879 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD062482.D

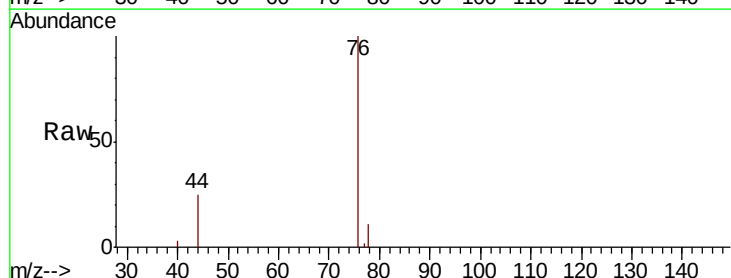
Acq: 21 May 2019 15:43

Tgt Ion: 76 Resp: 37681

Ion Ratio Lower Upper

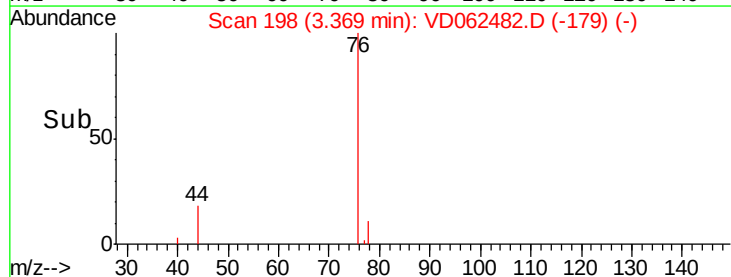
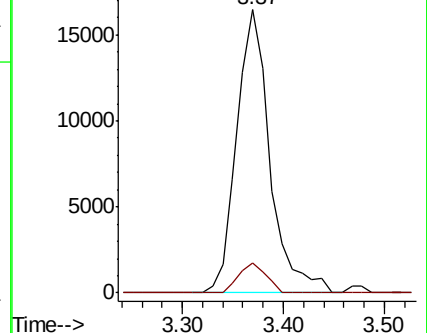
76 100

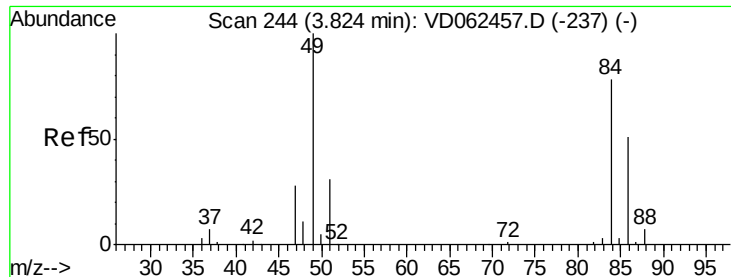
78 10.6 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

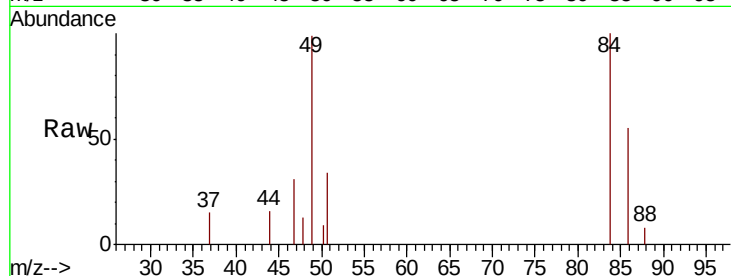




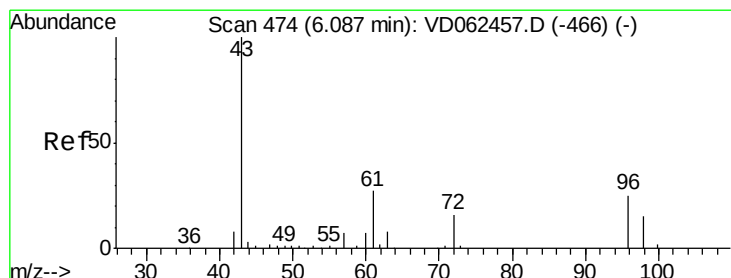
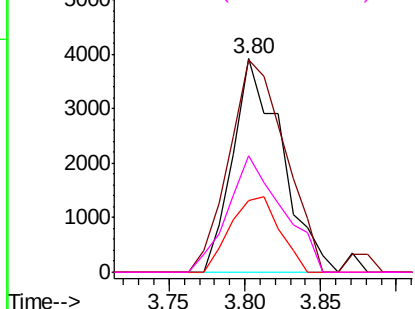
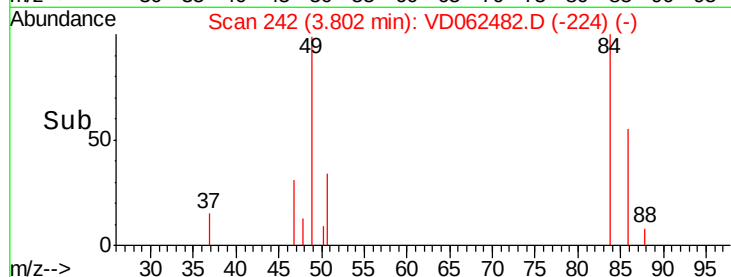
#20
Methylene Chloride
Concen: Below Cal
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062482.D
Acq: 21 May 2019 15:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	8824
Ion	Ratio	Lower	Upper
84	100		
49	99.5	94.0	141.0
51	33.8	29.0	43.4
86	54.8	49.8	74.6

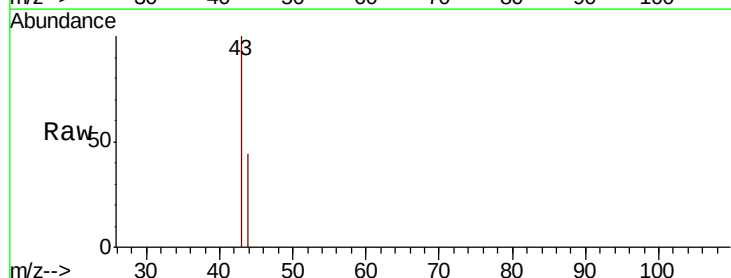


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

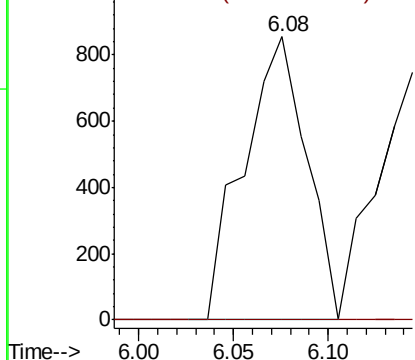
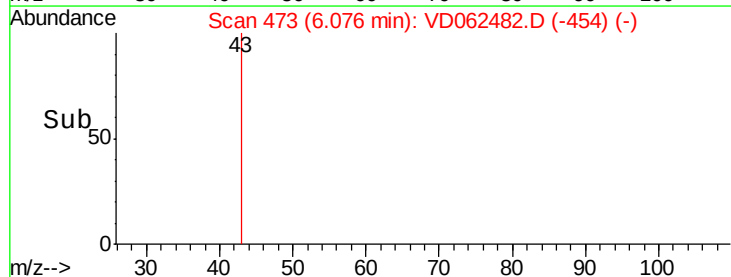


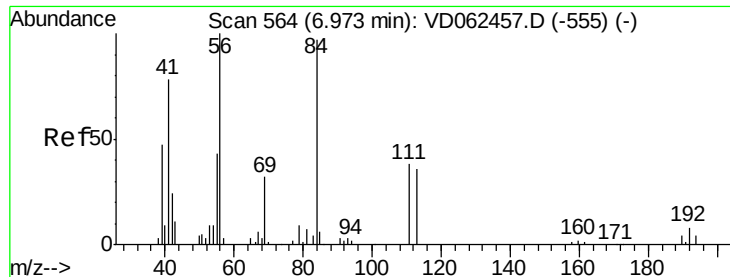
#25
2-Butanone
Concen: 2.268 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD062482.D
Acq: 21 May 2019 15:43

Tgt Ion:	43	Resp:	1971
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.2	24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

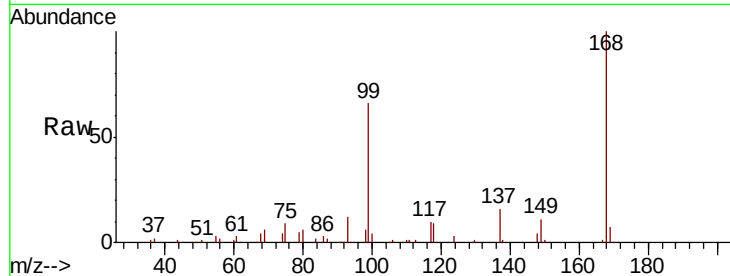




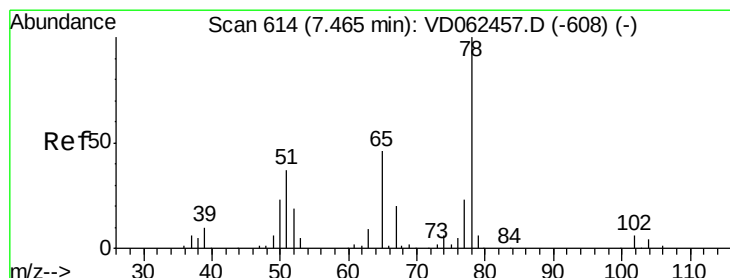
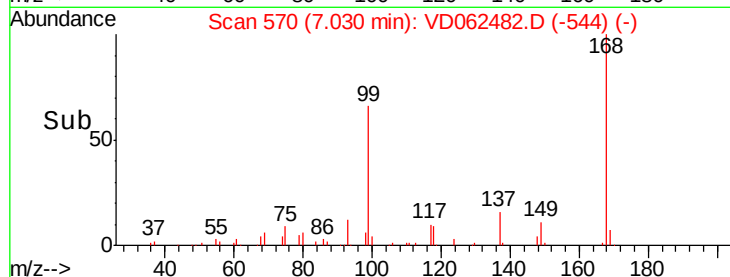
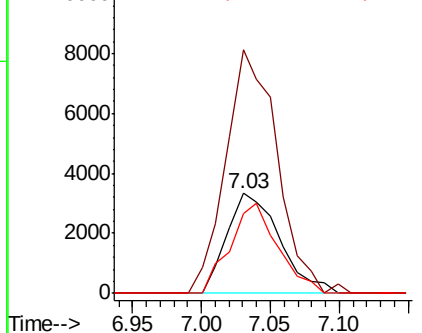
#31
Cyclohexane
Concen: 2.022 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.06 min
Lab File: VD062482.D
Acq: 21 May 2019 15:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 8850
Ion Ratio Lower Upper
56 100
69 244.1 25.8 38.6#
84 79.8 72.2 108.4

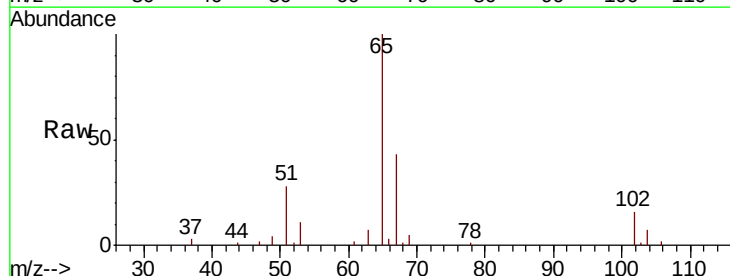


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

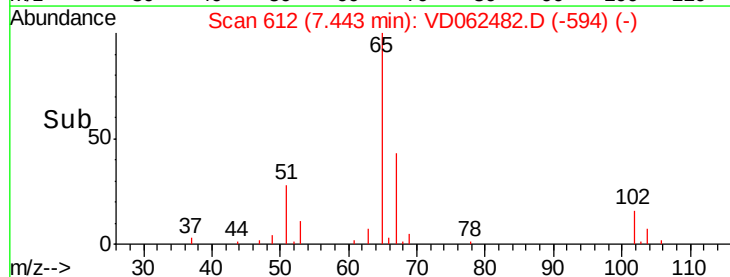
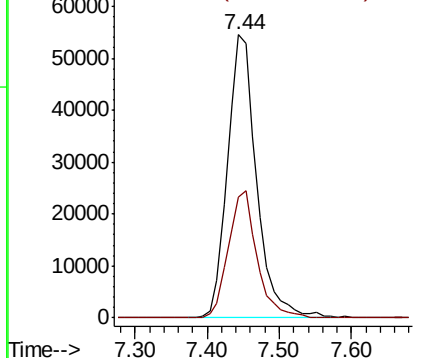


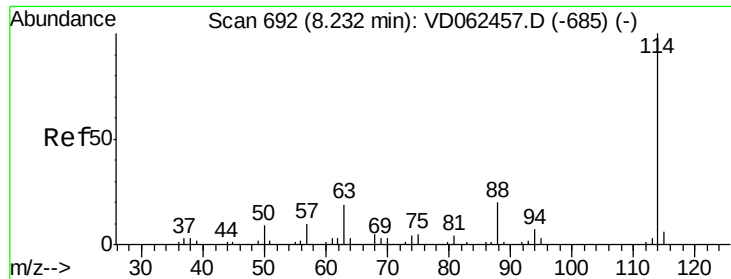
#33
1,2-Dichloroethane-d4
Concen: 32.990 ug/l
RT: 7.44 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD062482.D
Acq: 21 May 2019 15:43

Tgt Ion: 65 Resp: 152948
Ion Ratio Lower Upper
65 100
67 42.6 0.0 98.0



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

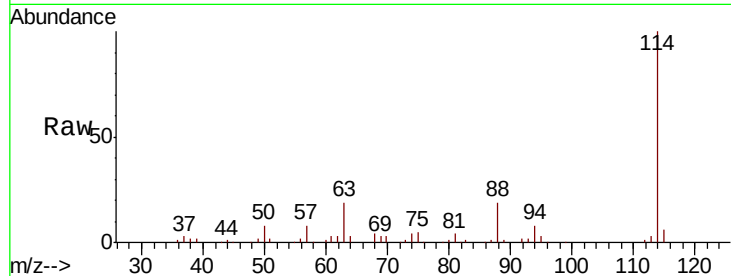




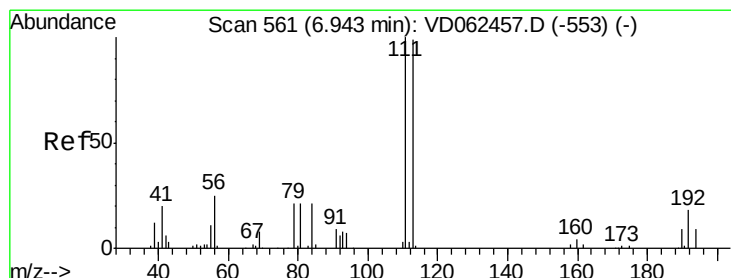
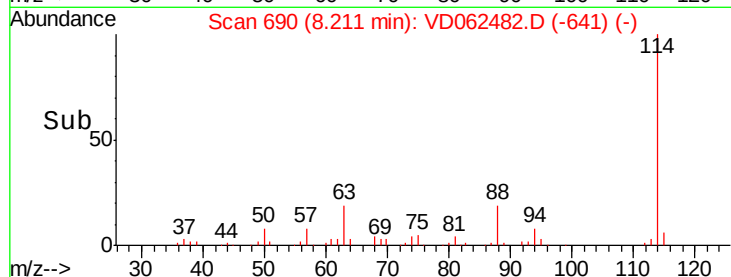
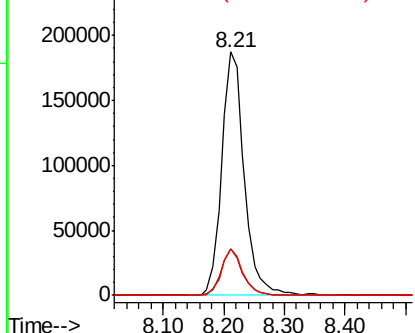
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD062482.D
 Acq: 21 May 2019 15:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 482494
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 32.4
 88 19.3 0.0 33.6

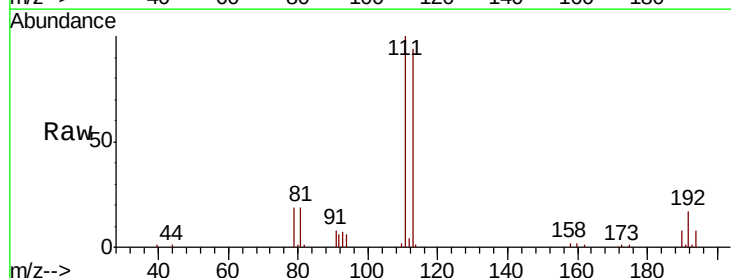


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

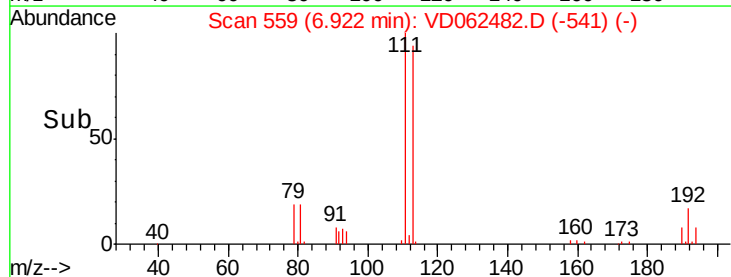
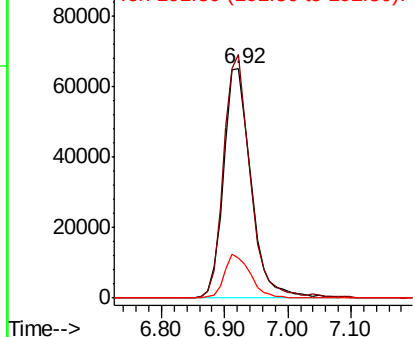


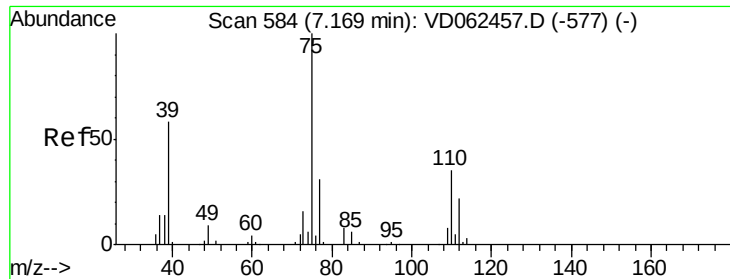
#35
 Dibromofluoromethane
 Concen: 45.120 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD062482.D
 Acq: 21 May 2019 15:43

Tgt Ion:113 Resp: 196392
 Ion Ratio Lower Upper
 113 100
 111 106.2 78.5 117.7
 192 17.6 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

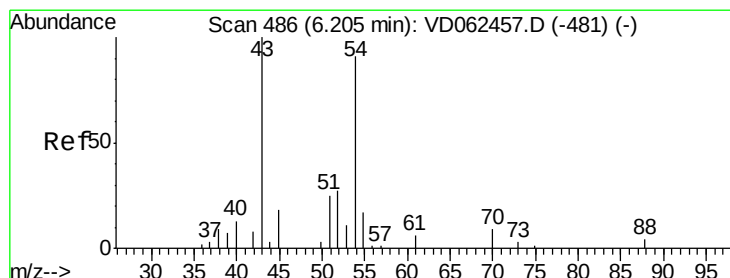
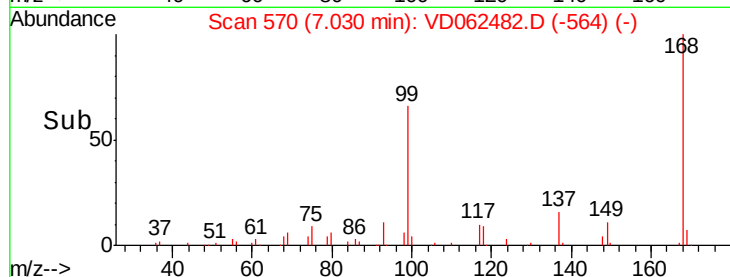
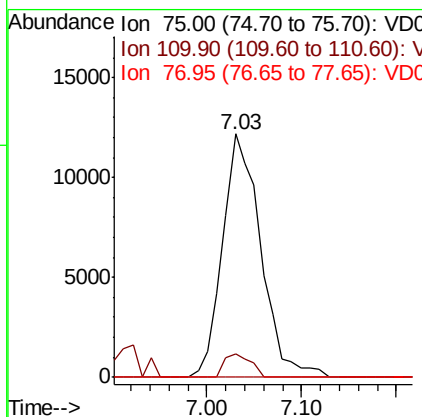
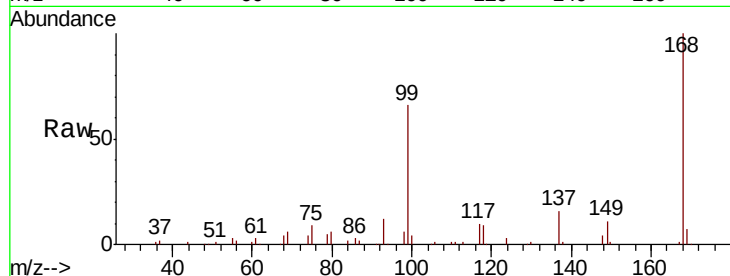




#36
 1,1-Dichloropropene
 Concen: 7.388 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.14 min
 Lab File: VD062482.D
 Acq: 21 May 2019 15:43

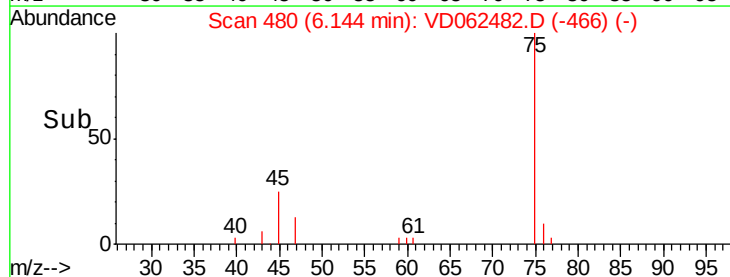
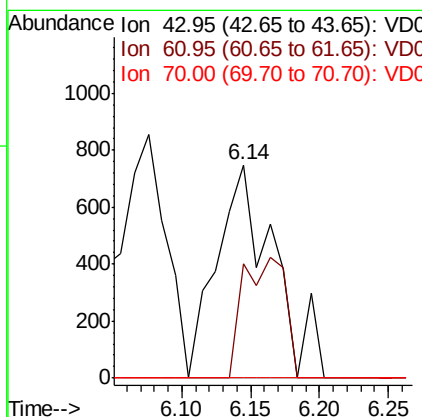
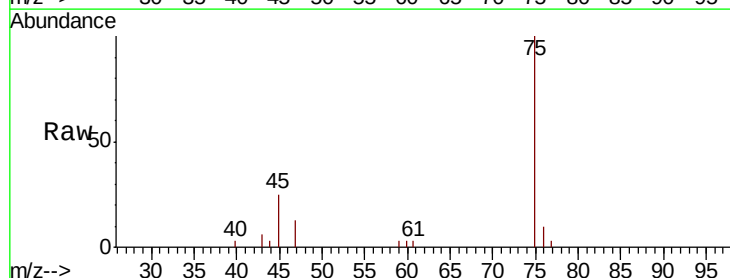
Instrument :
 MSVOA_D
 ClientSampleId :

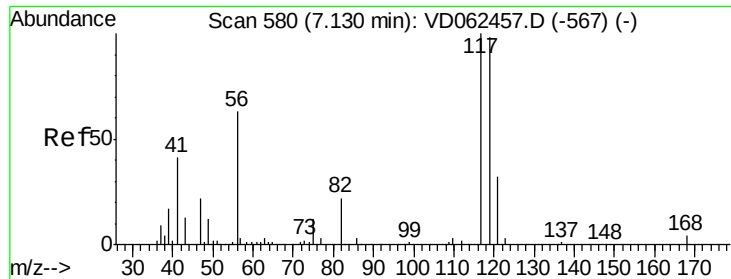
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.1	57.1#
77	0.0	25.6	38.4#



#37
 Ethyl Acetate
 Concen: 1.195 ug/l
 RT: 6.14 min Scan# 480
 Delta R.T. -0.06 min
 Lab File: VD062482.D
 Acq: 21 May 2019 15:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	53.9	14.7	22.1#
70	0.0	7.8	11.6#

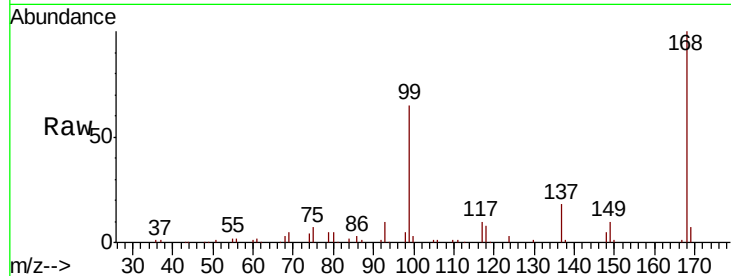




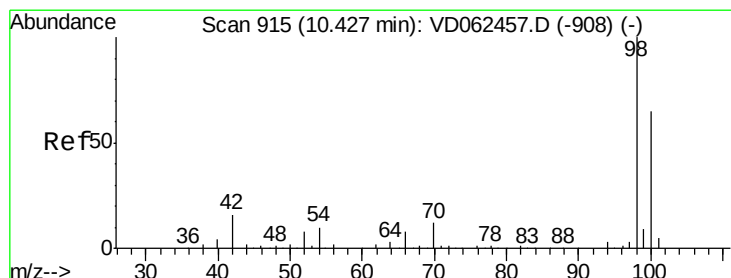
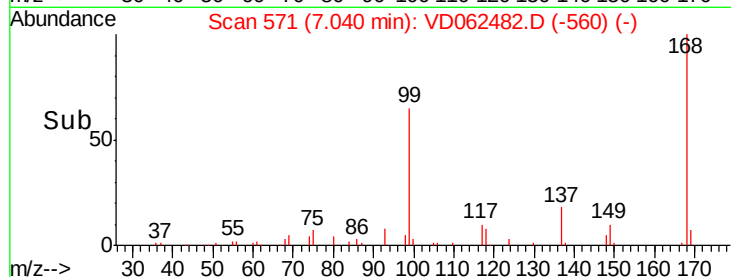
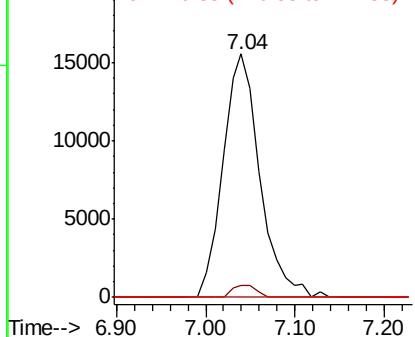
#38
Carbon Tetrachloride
Concen: 6.555 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.09 min
Lab File: VD062482.D
Acq: 21 May 2019 15:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 44937
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 25.9 38.9#

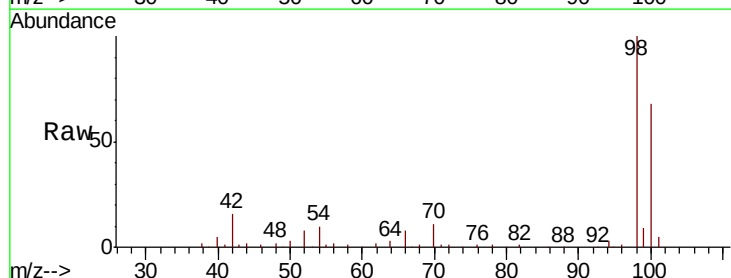


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

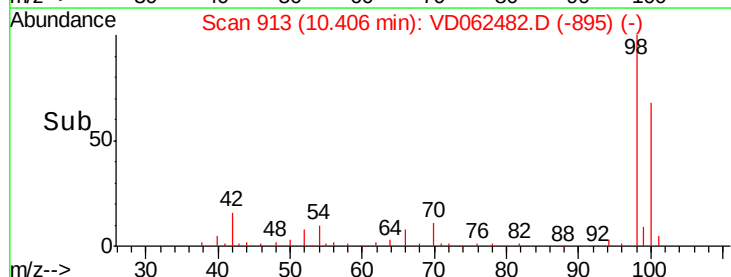
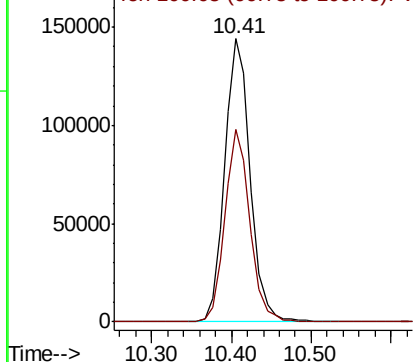


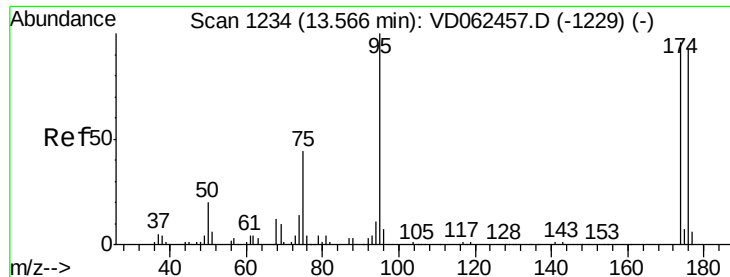
#50
Toluene-d8
Concen: 33.829 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.02 min
Lab File: VD062482.D
Acq: 21 May 2019 15:43

Tgt Ion: 98 Resp: 322234
Ion Ratio Lower Upper
98 100
100 68.0 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: 13.103 ug/l

RT: 13.55 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD062482.D

Acq: 21 May 2019 15:43

Instrument :

MSVOA_D

ClientSampled :

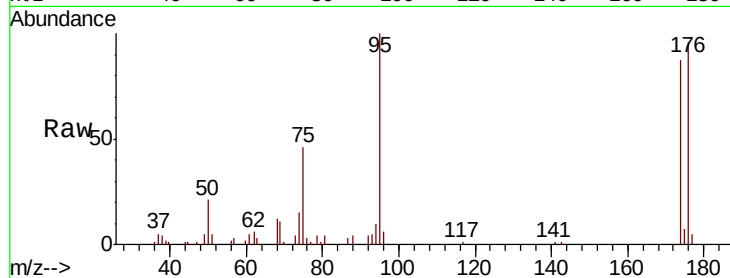
Tot Ion: 95 Resp: 54596

Ion Ratio Lower Upper

95 100

174 86.7 0.0 181.8

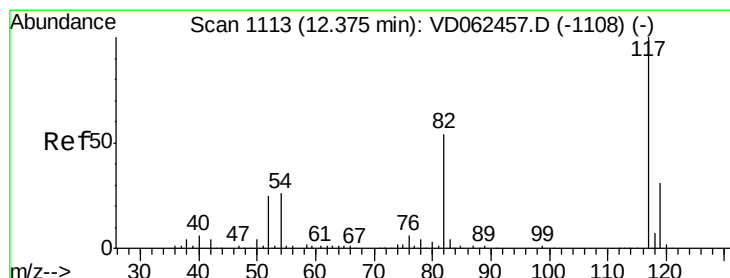
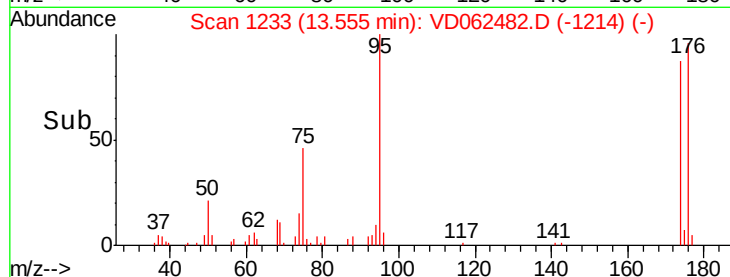
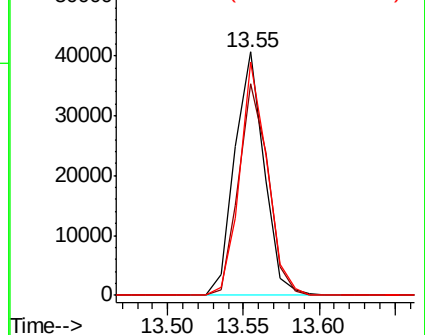
176 95.7 0.0 174.4



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: 12.36 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VD062482.D

Acq: 21 May 2019 15:43

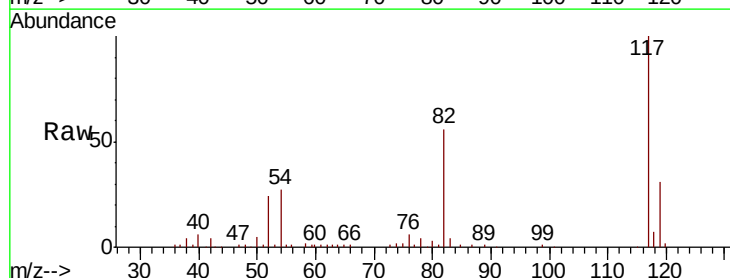
Tgt Ion: 117 Resp: 225819

Ion Ratio Lower Upper

117 100

82 56.0 36.2 54.2#

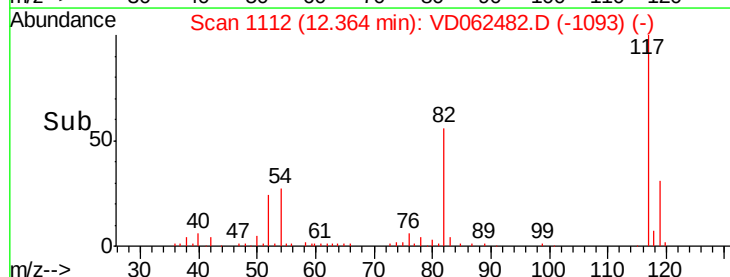
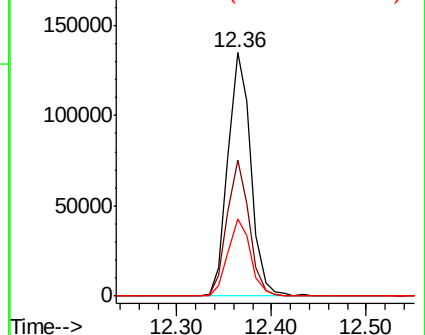
119 31.5 26.2 39.4

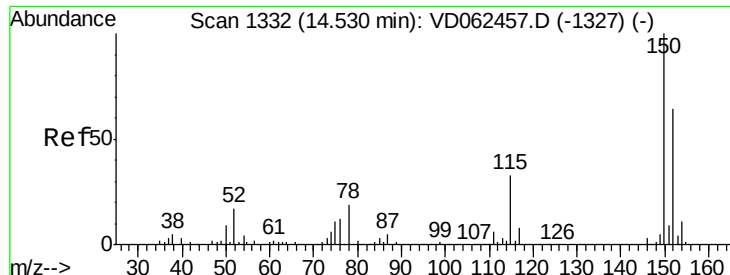


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

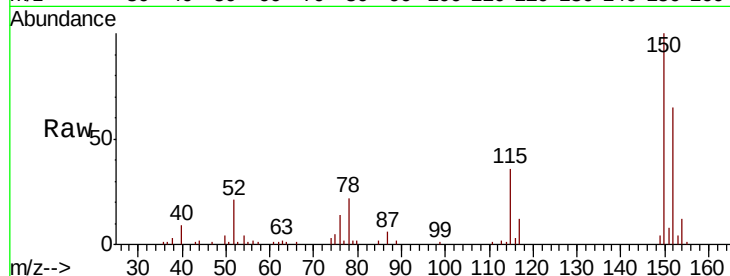




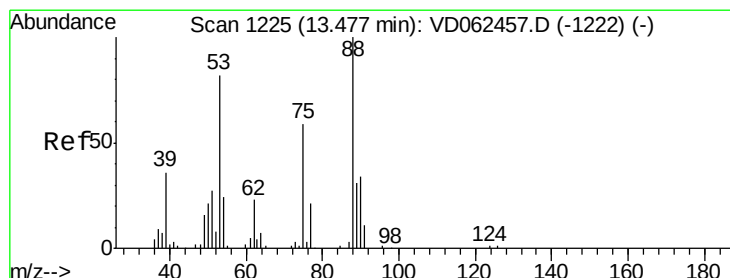
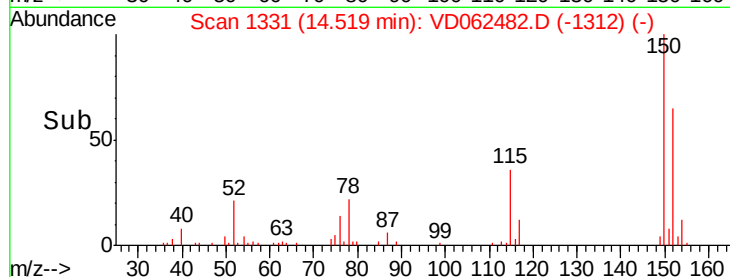
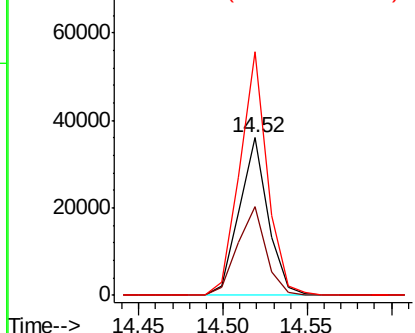
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062482.D
 Acq: 21 May 2019 15:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 42625
 Ion Ratio Lower Upper
 152 100
 115 56.0 30.9 92.7
 150 154.7 0.0 314.8

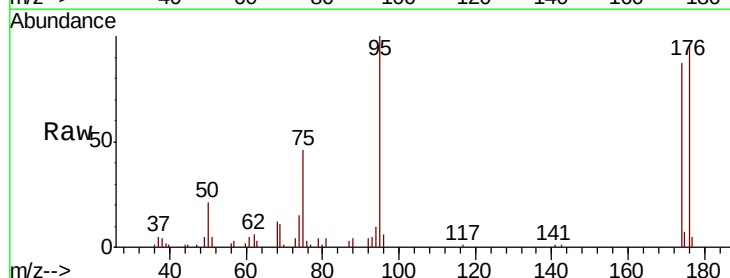


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

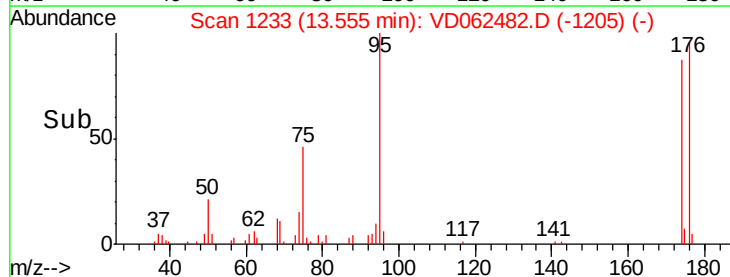
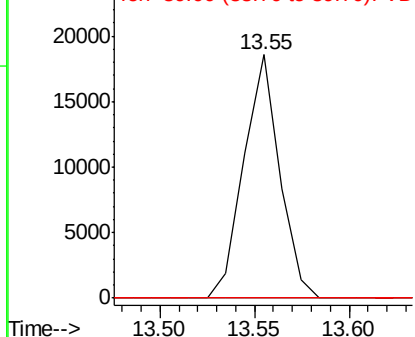


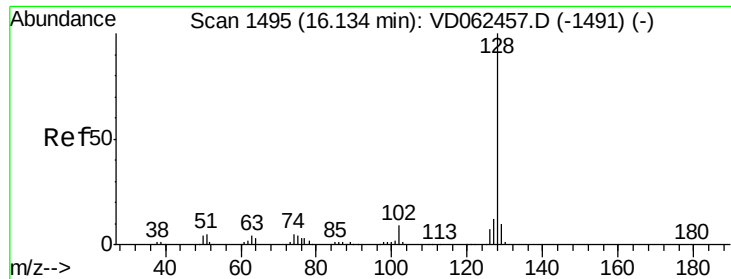
#81
 trans-1,4-Dichloro-2-butene
 Concen: 172.100 ug/l
 RT: 13.55 min Scan# 1233
 Delta R.T. 0.08 min
 Lab File: VD062482.D
 Acq: 21 May 2019 15:43

Tgt Ion: 75 Resp: 24369
 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





#95
 Naphthalene
 Concen: 2.229 ug/l
 RT: 16.12 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: VD062482.D
 Acq: 21 May 2019 15:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.6	9.8	14.8
129	0.0	8.8	13.2#

