

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082319\
 Data File : VD063777.D
 Acq On : 23 Aug 2019 20:10
 Operator : JC/SY
 Sample : K4475-02
 Misc : 5.65g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 26 11:14:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	868849	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1116078	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	901945	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	414668	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	602051	64.83	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	129.66%	
35) Dibromofluoromethane	6.91	113	660651	70.28	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	140.56%	
50) Toluene-d8	10.40	98	1325611	64.15	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	128.30%	
62) 4-Bromofluorobenzene	13.55	95	485347	51.82	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.64%	

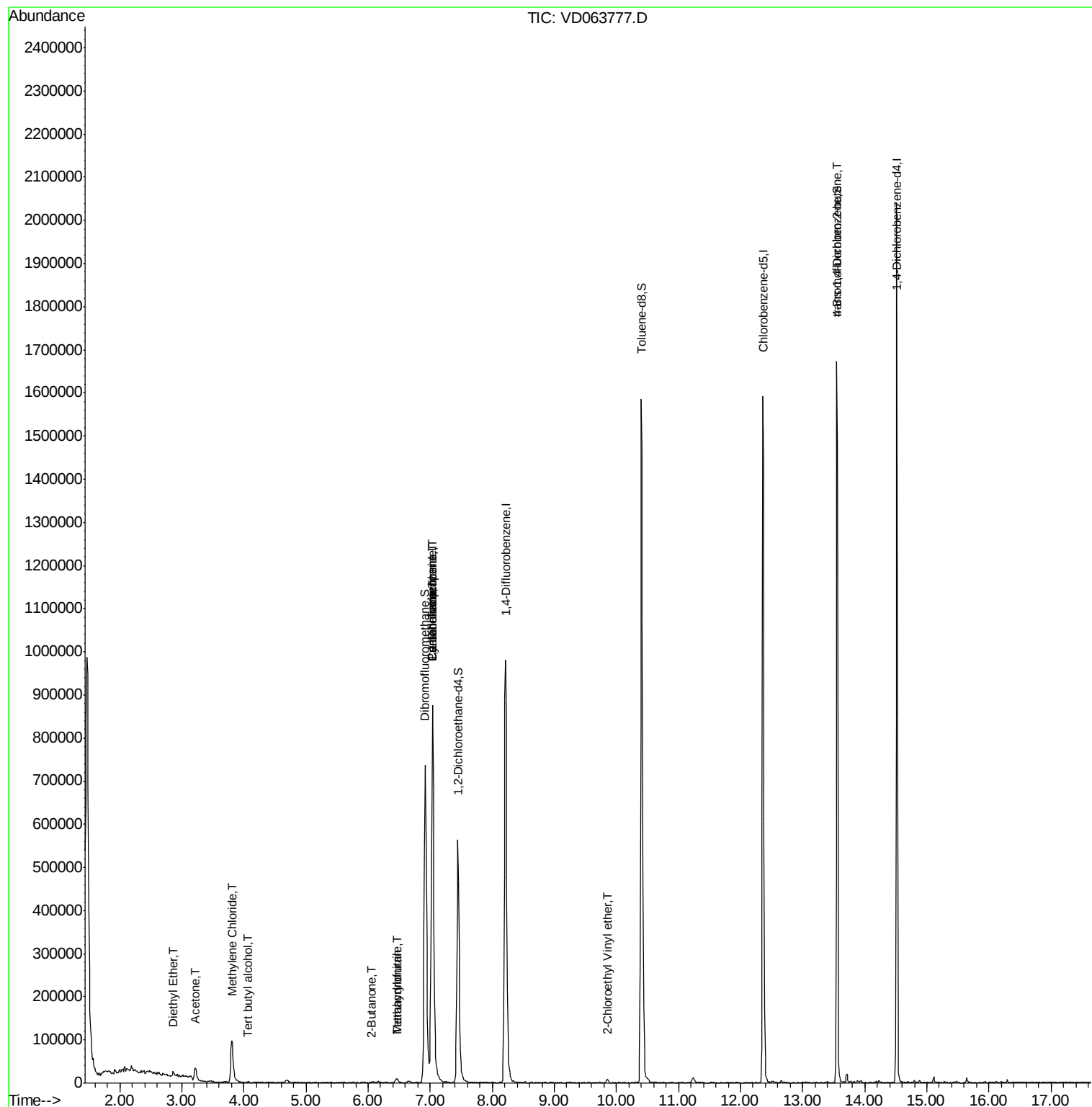
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.87	74	2622	1.161	ug/l	99
11) Tert butyl alcohol	4.07	59	2191	5.419	ug/l #	71
16) Acetone	3.21	43	64829	34.339	ug/l	94
20) Methylene Chloride	3.80	84	64722	7.928	ug/l #	82
25) 2-Butanone	6.06	43	2241	1.202	ug/l	97
29) Tetrahydrofuran	6.47	42	7355	8.465	ug/l #	89
31) Cyclohexane	7.03	56	18839	2.247	ug/l #	23
36) 1,1-Dichloropropene	7.03	75	65307	6.619	ug/l #	48
38) Carbon Tetrachloride	7.03	117	80523	5.415	ug/l #	13
41) Methacrylonitrile	6.45	41	7140	1.372	ug/l #	78
58) 2-Chloroethyl Vinyl ether	9.86	63	3909	1.444	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.55	75	213438	166.866	ug/l #	1

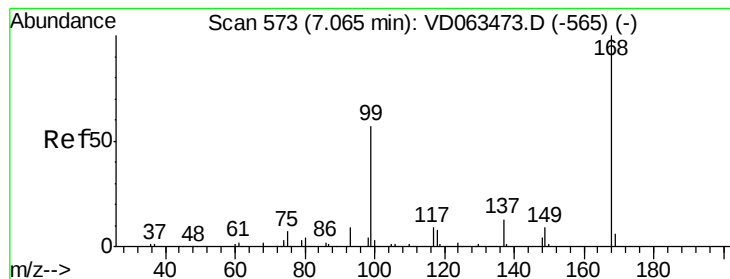
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082319\
Data File : VD063777.D
Acq On : 23 Aug 2019 20:10
Operator : JC/SY
Sample : K4475-02
Misc : 5.65a/5ml/MSVOA D/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 26 11:14:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063777.D

Acq: 23 Aug 2019 20:10

Instrument :

MSVOA_D

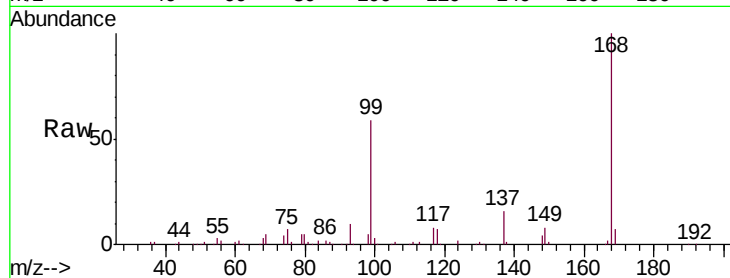
ClientSampleId :

Tot Ion:168 Resp: 868849

Ion Ratio Lower Upper

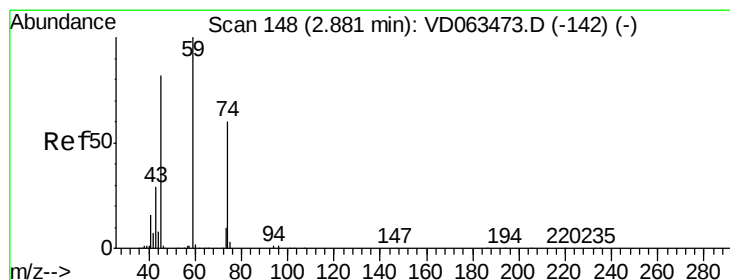
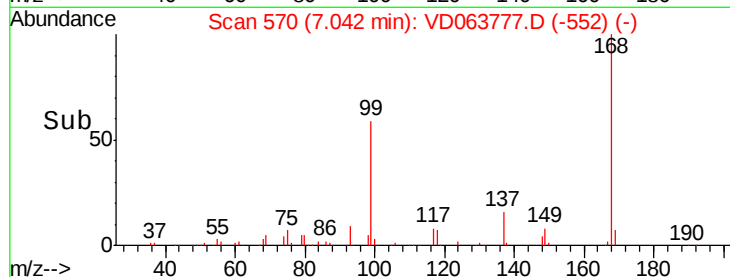
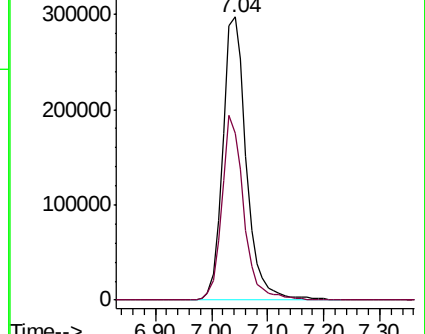
168 100

99 58.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.161 ug/l

RT: 2.87 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD063777.D

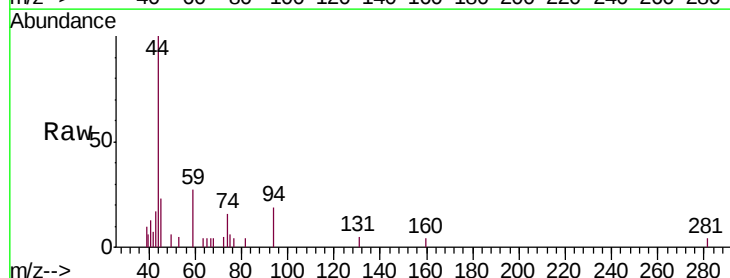
Acq: 23 Aug 2019 20:10

Tgt Ion: 74 Resp: 2622

Ion Ratio Lower Upper

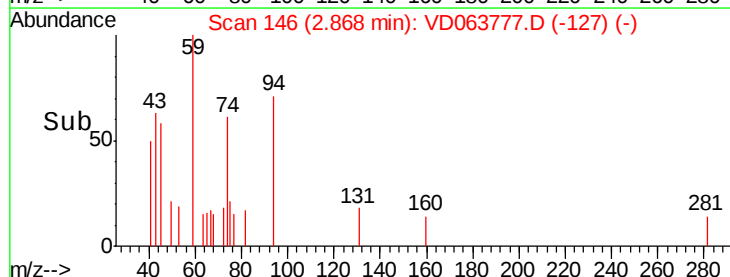
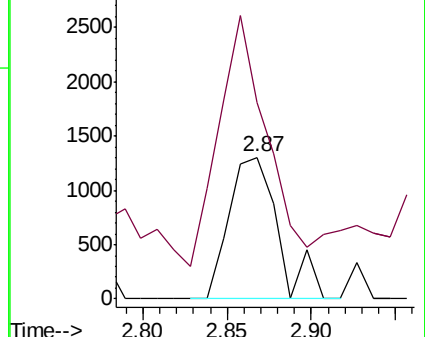
74 100

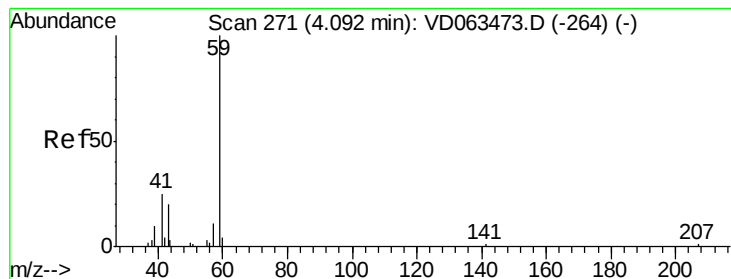
45 138.7 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



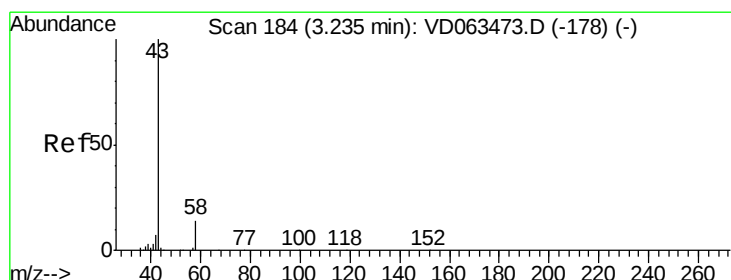
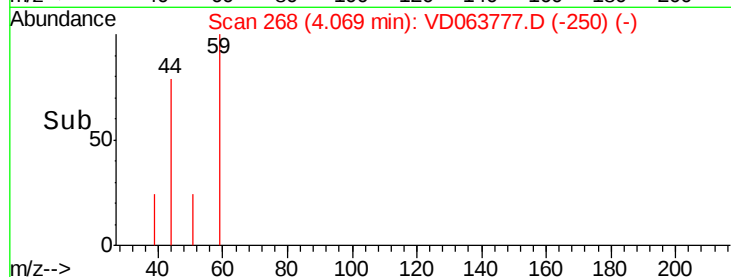
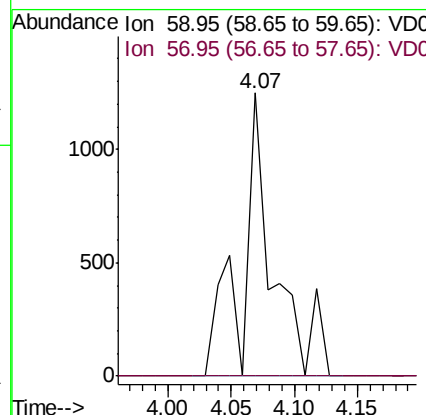
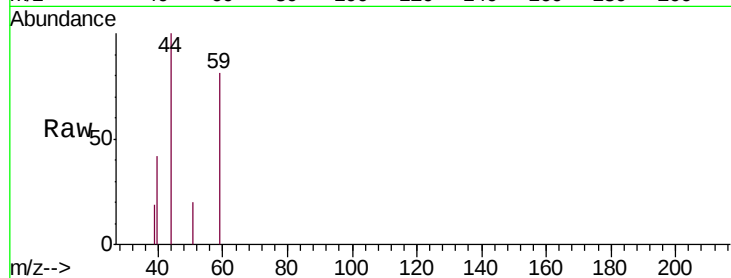


#11

Tert butyl alcohol
 Concen: 5.419 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. -0.02 min
 Lab File: VD063777.D
 Acq: 23 Aug 2019 20:10

Instrument :
 MSVOA_D
 ClientSampleID :

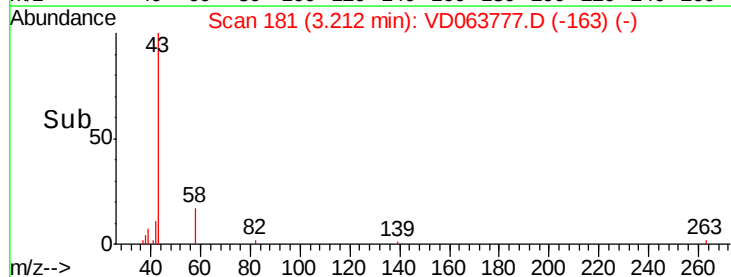
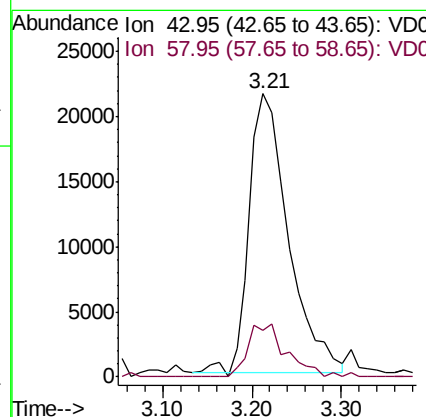
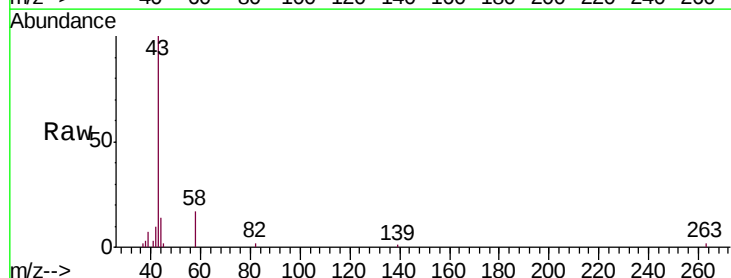
Tot Ion: 59 Resp: 2191
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

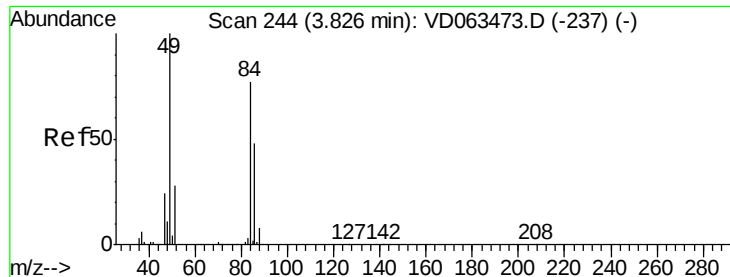


#16

Acetone
 Concen: 34.339 ug/l
 RT: 3.21 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VD063777.D
 Acq: 23 Aug 2019 20:10

Tgt Ion: 43 Resp: 64829
 Ion Ratio Lower Upper
 43 100
 58 16.7 11.4 17.2

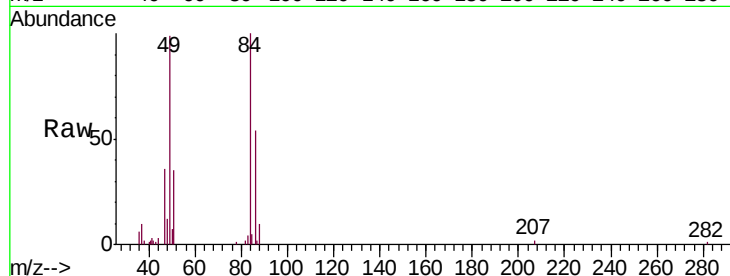




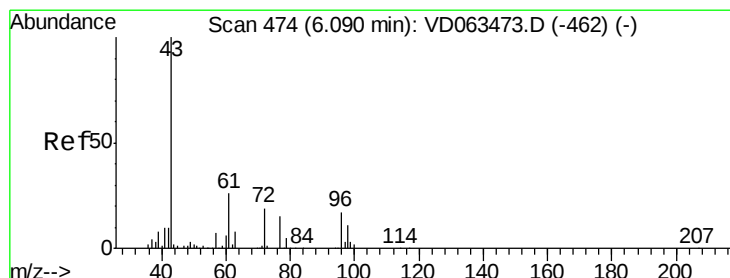
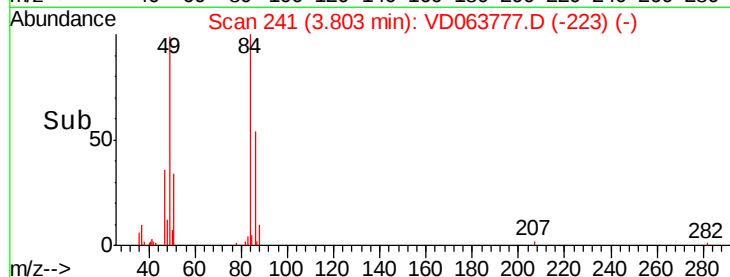
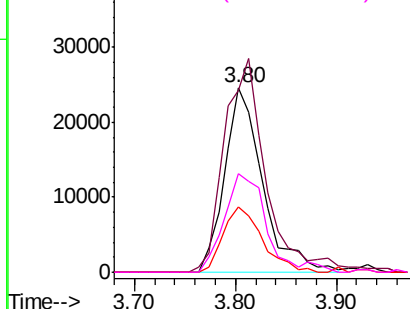
#20
Methvlene Chloride
Concen: 7.928 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063777.D
Acq: 23 Aug 2019 20:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 64722
Ion Ratio Lower Upper
84 100
49 98.5 103.4 155.2#
51 35.2 28.5 42.7
86 53.7 49.4 74.2

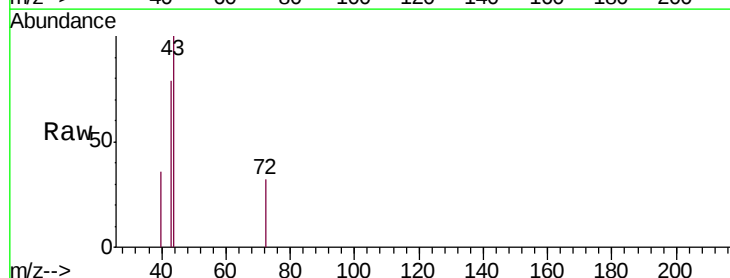


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

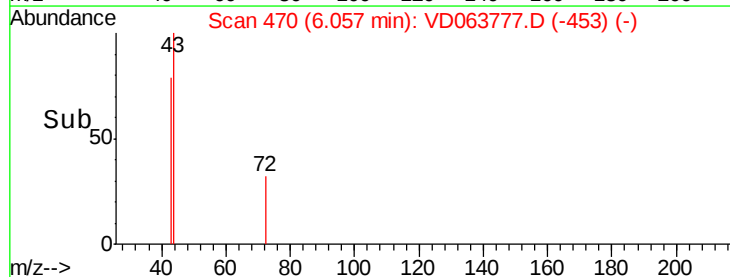
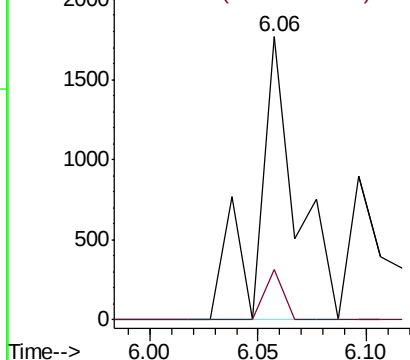


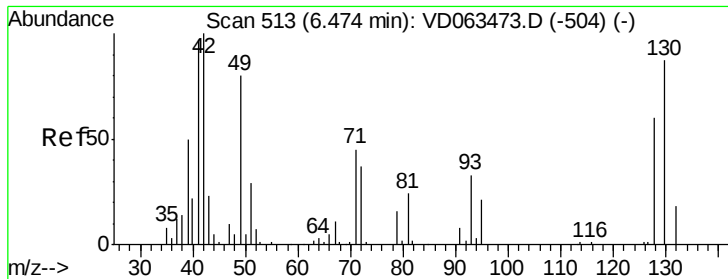
#25
2-Butanone
Concen: 1.202 ug/l
RT: 6.06 min Scan# 470
Delta R.T. -0.03 min
Lab File: VD063777.D
Acq: 23 Aug 2019 20:10

Tgt Ion: 43 Resp: 2241
Ion Ratio Lower Upper
43 100
72 17.6 15.1 22.7



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

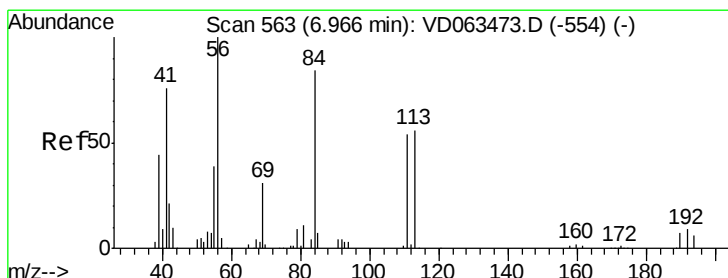
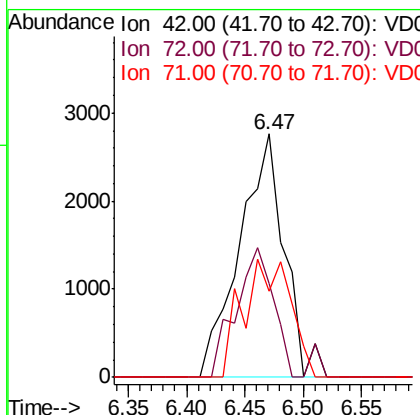
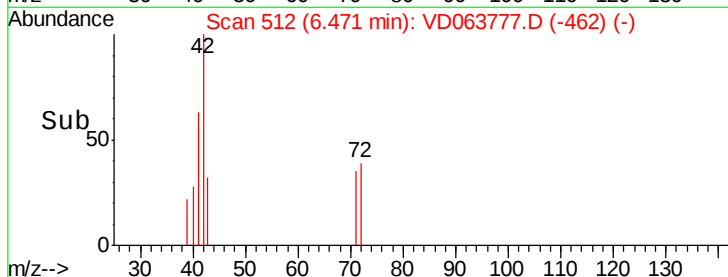
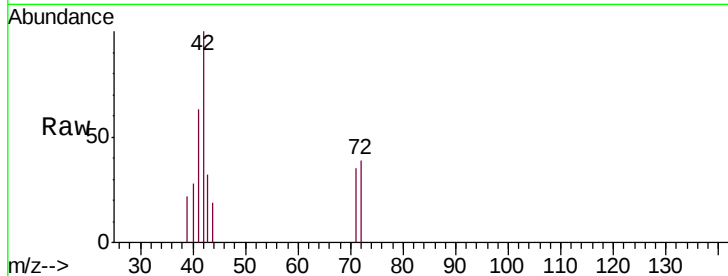




#29
Tetrahydrofuran
Concen: 8.465 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD063777.D
Acq: 23 Aug 2019 20:10

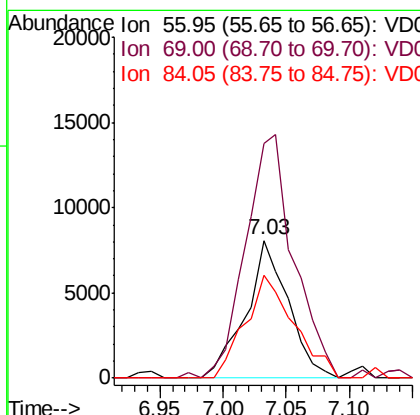
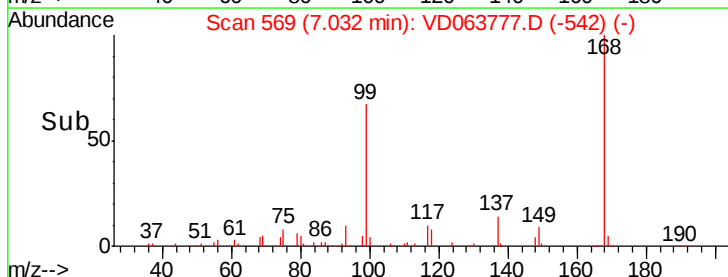
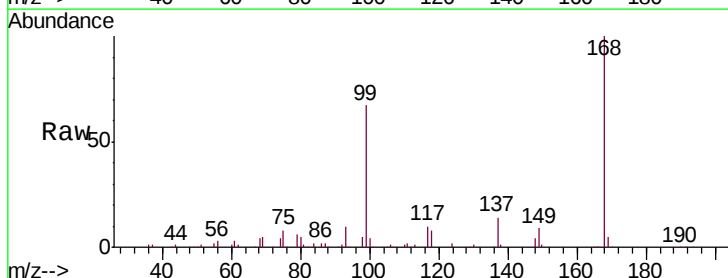
Instrument :
MSVOA_D
ClientSampleId :

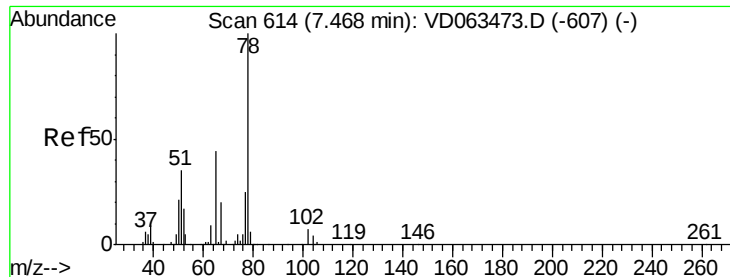
Tot Ion: 42 Resp: 7355
Ion Ratio Lower Upper
42 100
72 44.7 31.5 47.3
71 51.1 33.8 50.8#



#31
Cyclohexane
Concen: 2.247 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.07 min
Lab File: VD063777.D
Acq: 23 Aug 2019 20:10

Tgt Ion: 56 Resp: 18839
Ion Ratio Lower Upper
56 100
69 170.5 25.0 37.6#
84 74.5 69.7 104.5





#33

1,2-Dichloroethane-d4

Concen: 64.825 ug/l

RT: 7.45 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD063777.D

Acq: 23 Aug 2019 20:10

Instrument :

MSVOA_D

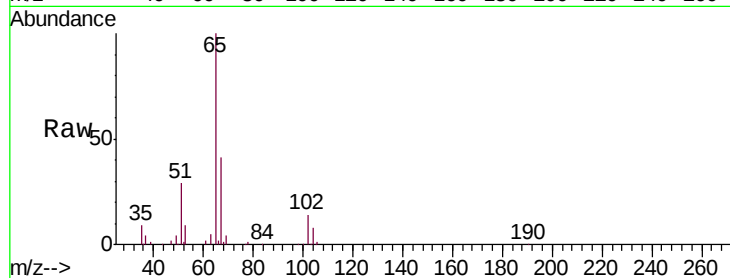
ClientSampleId :

Tot Ion: 65 Resp: 602051

Ion Ratio Lower Upper

65 100

67 41.4 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

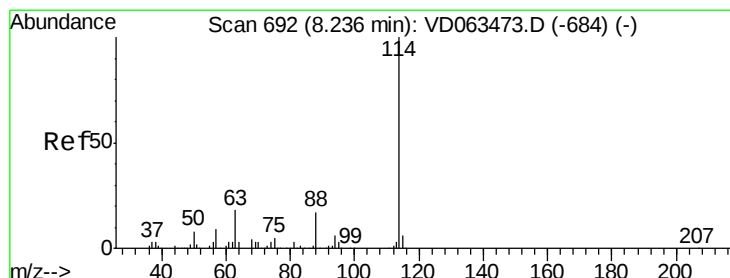
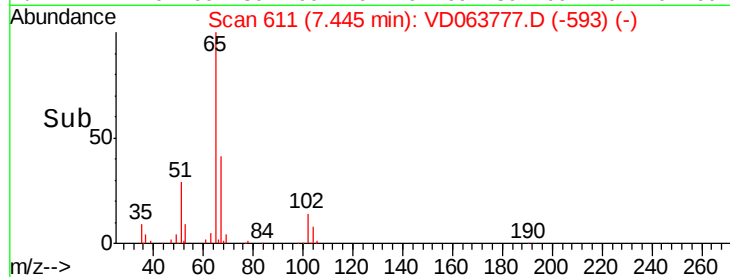
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD063777.D

Acq: 23 Aug 2019 20:10

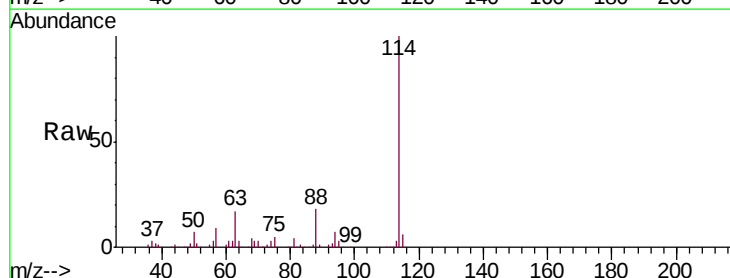
Tgt Ion: 114 Resp: 1116078

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.2

88 18.0 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

300000

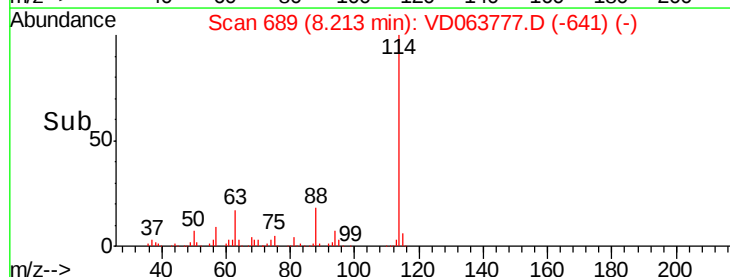
200000

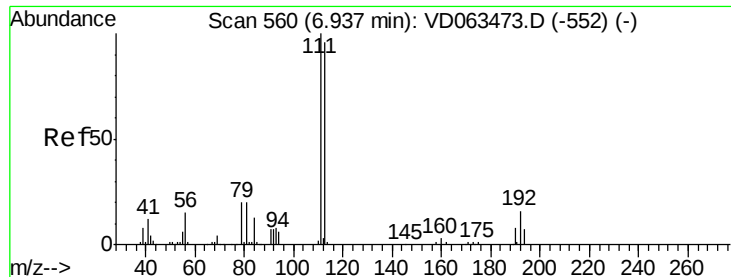
100000

0

8.00 8.20 8.40

Time-->





#35

Dibromofluoromethane

Concen: 70.284 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063777.D

Acq: 23 Aug 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

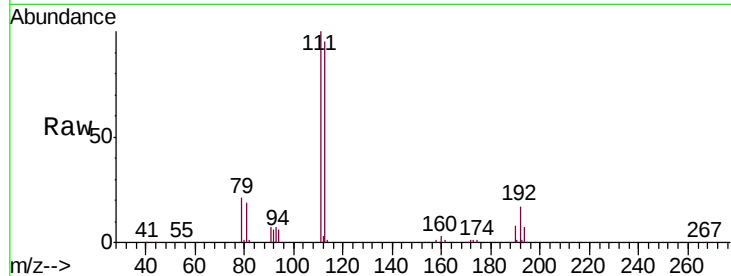
Tot Ion:113 Resp: 660651

Ion Ratio Lower Upper

113 100

111 105.2 83.1 124.7

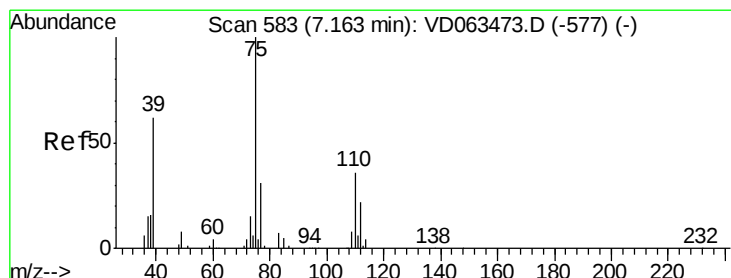
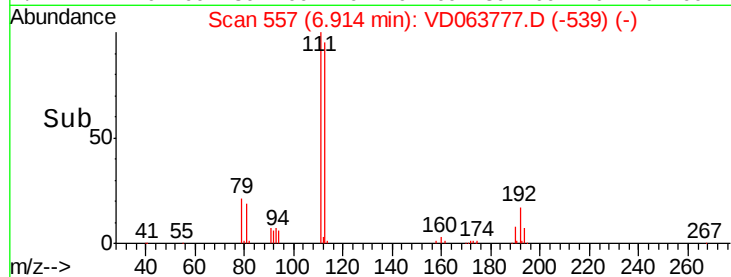
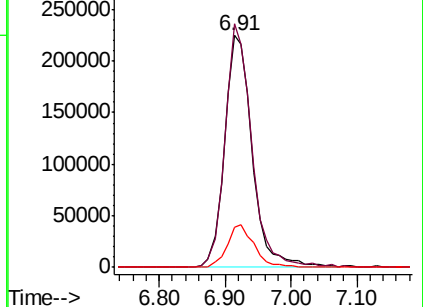
192 17.4 13.1 19.7



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: 6.619 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.13 min

Lab File: VD063777.D

Acq: 23 Aug 2019 20:10

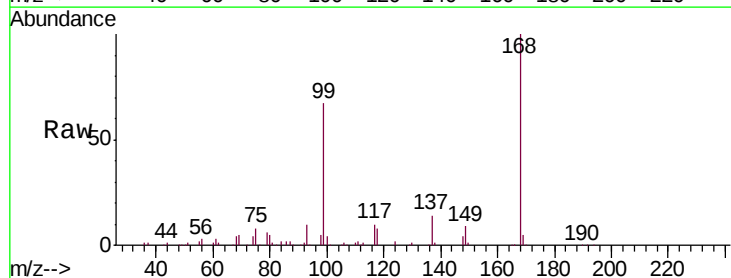
Tgt Ion: 75 Resp: 65307

Ion Ratio Lower Upper

75 100

110 6.3 17.6 52.8#

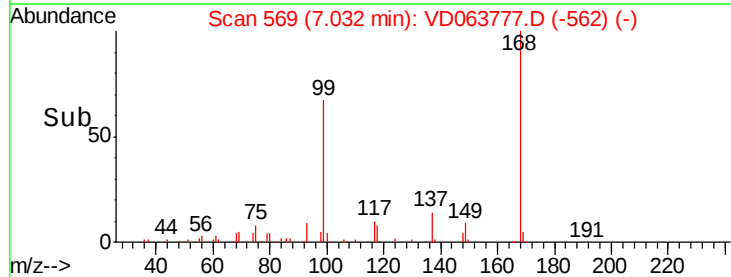
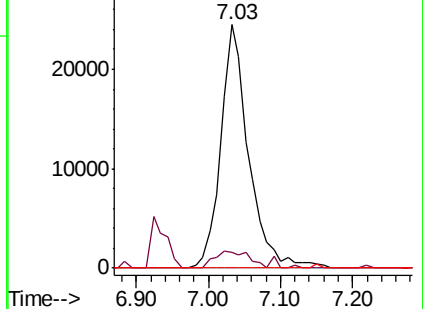
77 0.0 24.3 36.5#

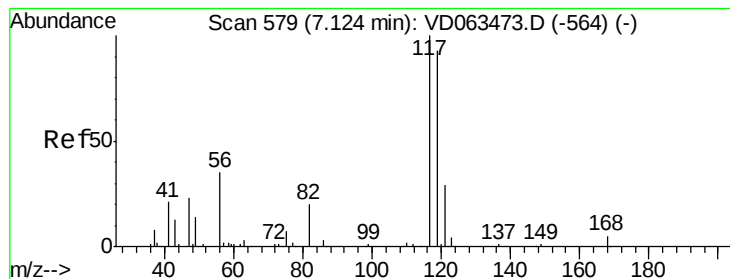


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.415 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD063777.D

Acq: 23 Aug 2019 20:10

Instrument :

MSVOA_D

ClientSampled :

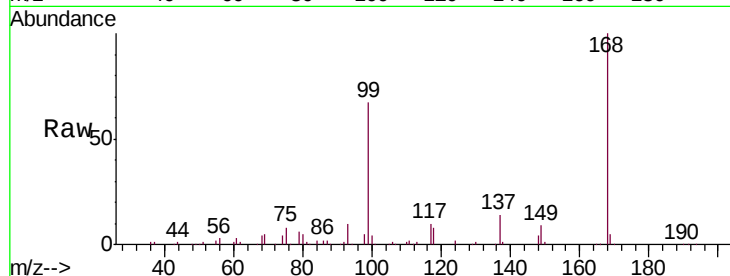
Tot Ion:117 Resp: 80523

Ion Ratio Lower Upper

117 100

119 0.0 74.2 111.2#

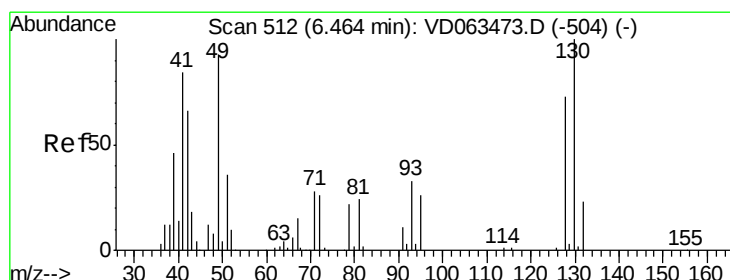
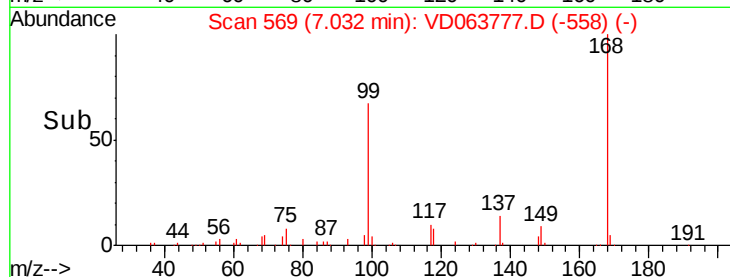
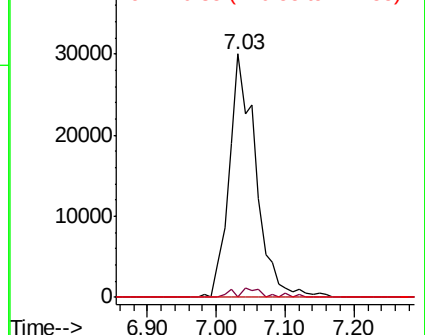
121 0.0 23.1 34.7#



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



#41

Methacrylonitrile

Concen: 1.372 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD063777.D

Acq: 23 Aug 2019 20:10

Tgt Ion: 41 Resp: 7140

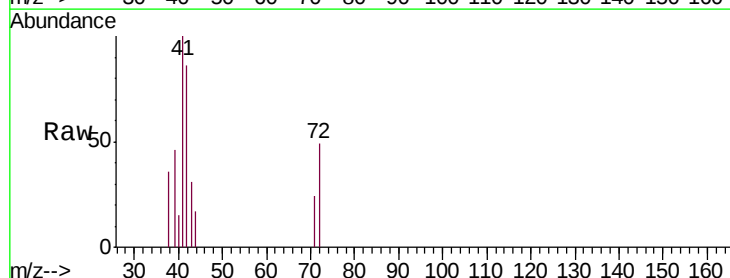
Ion Ratio Lower Upper

41 100

39 45.8 44.6 66.8

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

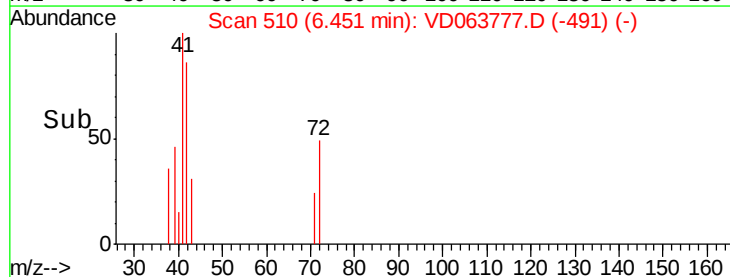
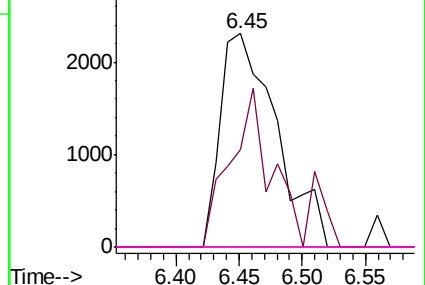


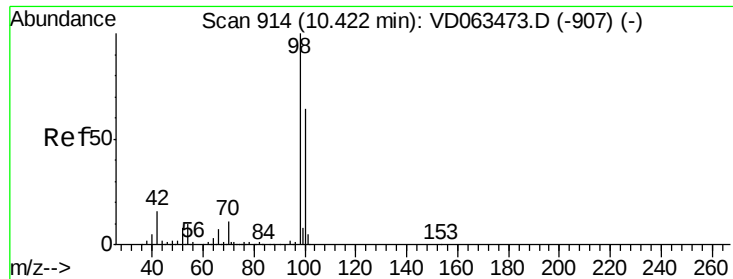
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

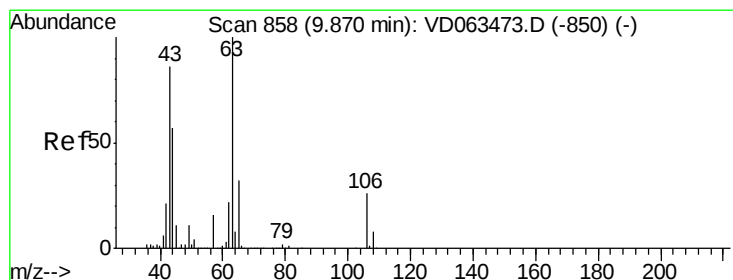
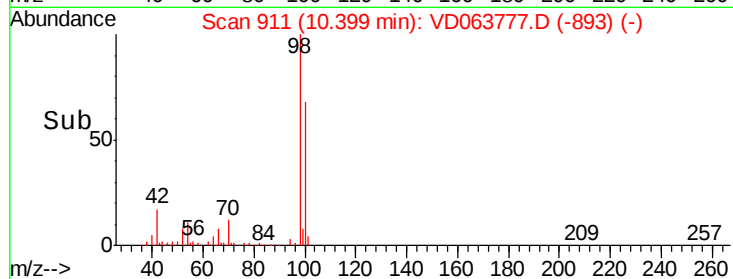
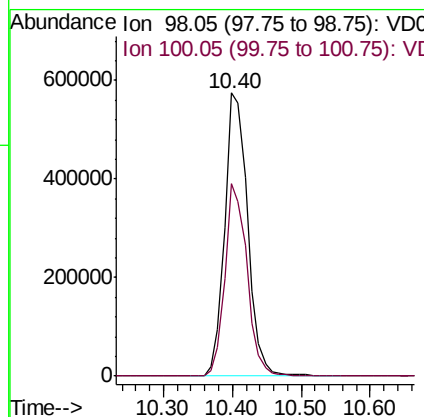
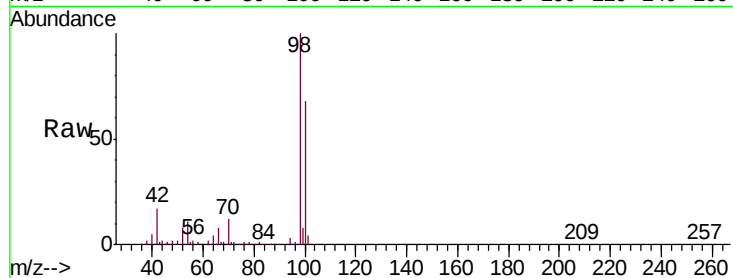




#50
Toluene-d8
Concen: 64.146 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD063777.D
Acq: 23 Aug 2019 20:10

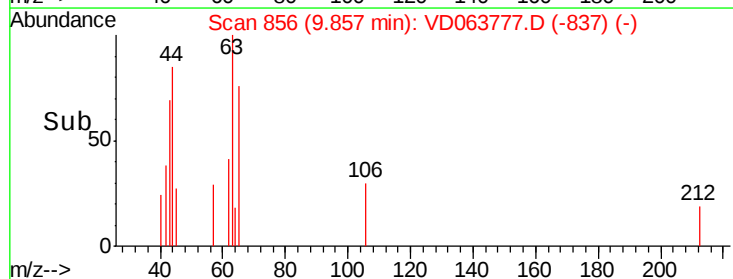
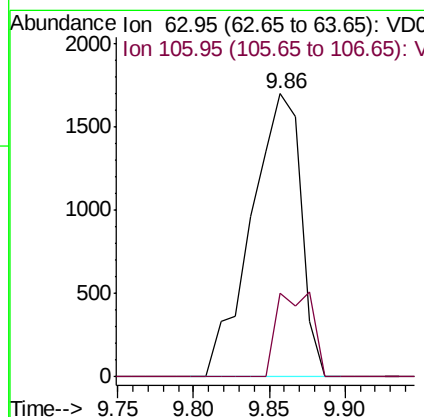
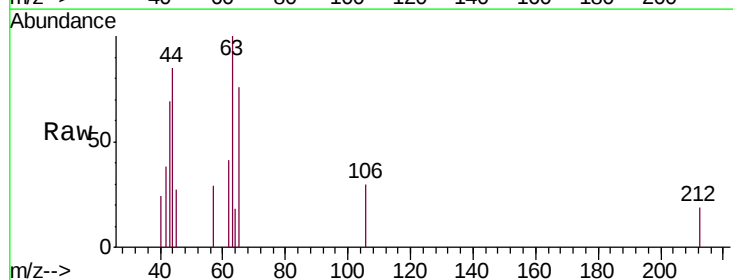
Instrument :
MSVOA_D
ClientSampleId :

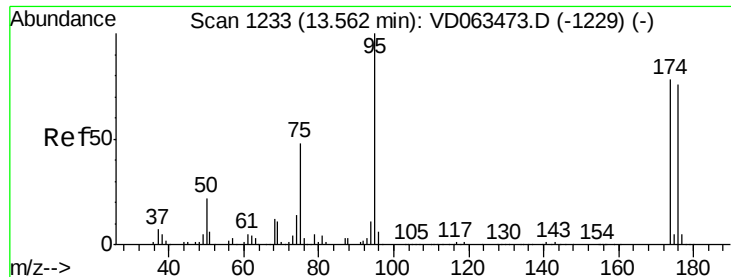
Tot Ion: 98 Resp: 1325611
Ion Ratio Lower Upper
98 100
100 68.0 51.7 77.5



#58
2-Chloroethyl Vinyl ether
Concen: 1.444 ug/l
RT: 9.86 min Scan# 856
Delta R.T. -0.01 min
Lab File: VD063777.D
Acq: 23 Aug 2019 20:10

Tgt Ion: 63 Resp: 3909
Ion Ratio Lower Upper
63 100
106 29.6 20.8 31.2





#62

4-Bromofluorobenzene

Concen: 51.817 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063777.D

Acq: 23 Aug 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

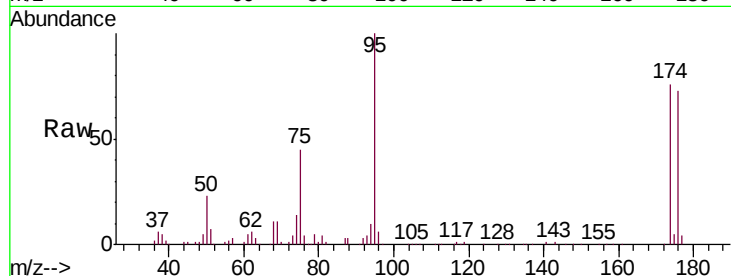
Tot Ion: 95 Resp: 485347

Ion Ratio Lower Upper

95 100

174 75.8 0.0 155.4

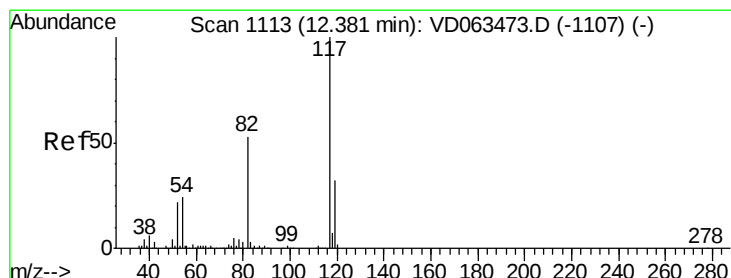
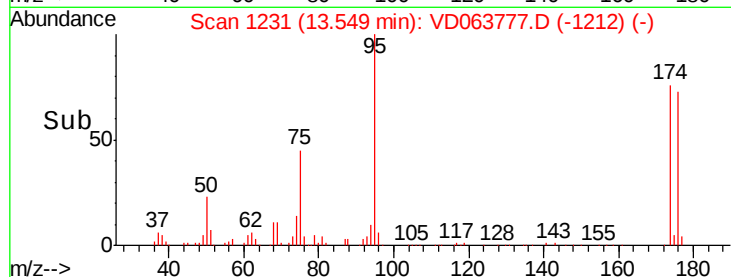
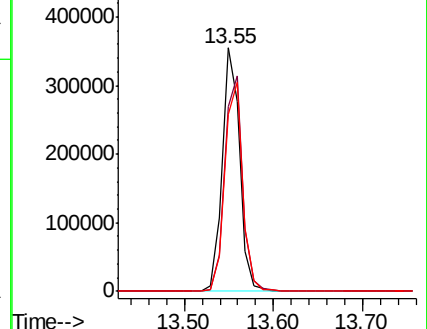
176 72.9 0.0 152.4



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# 1111

Delta R.T. -0.01 min

Lab File: VD063777.D

Acq: 23 Aug 2019 20:10

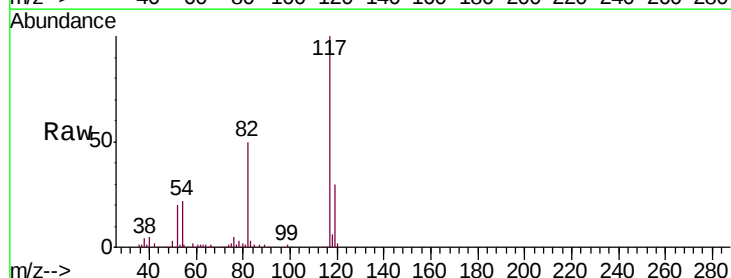
Tgt Ion: 117 Resp: 901945

Ion Ratio Lower Upper

117 100

82 50.0 42.0 63.0

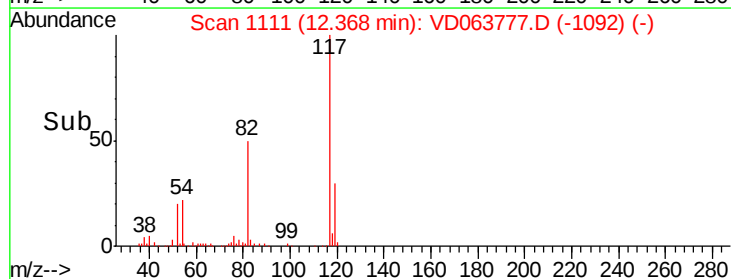
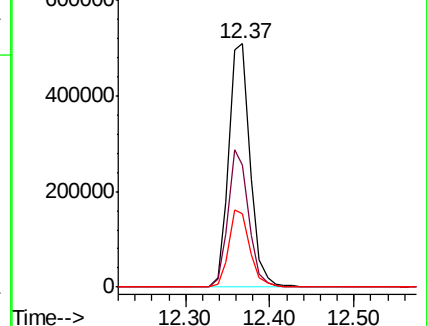
119 30.0 25.4 38.0

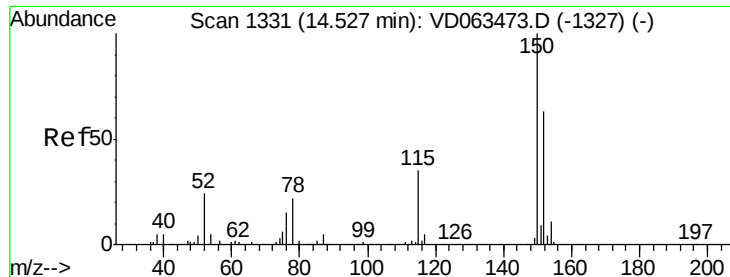


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



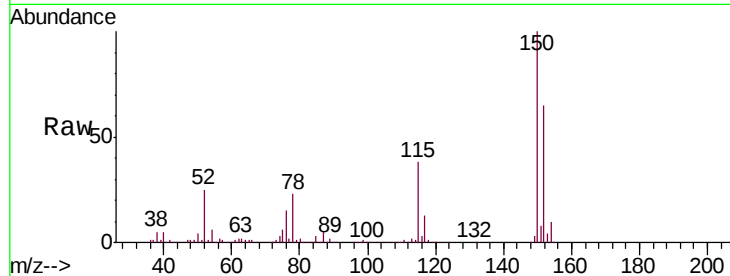


#72

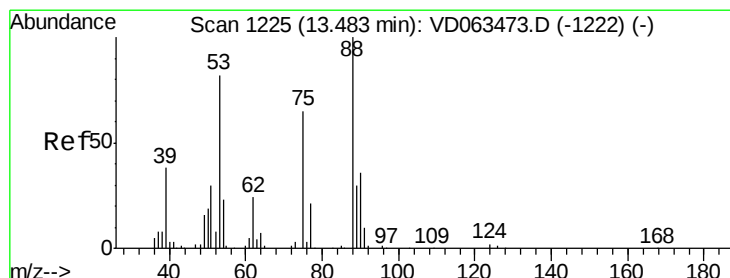
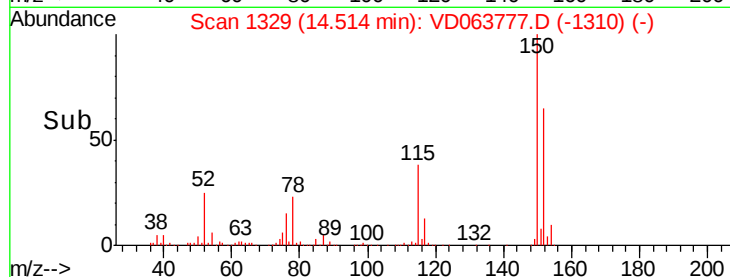
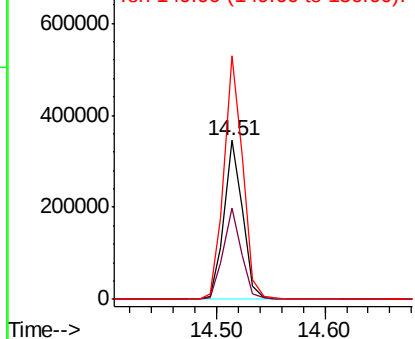
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063777.D
Acq: 23 Aug 2019 20:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.9	30.9	92.7
150	153.4	0.0	318.6



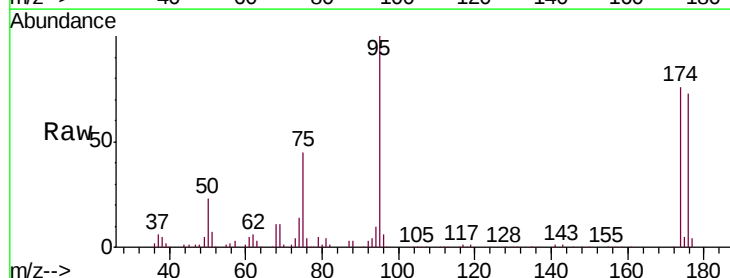
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 166.866 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD063777.D
Acq: 23 Aug 2019 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	101.0	151.4#
89	0.0	37.0	55.6#



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

