

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082319\
 Data File : VD063776.D
 Acq On : 23 Aug 2019 19:43
 Operator : JC/SY
 Sample : K4090-13
 Misc : 5.96g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 26 11:14:38 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	334953	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	455899	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	397397	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	162456	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	351462	98.16	ug/l	-0.02
Spiked Amount			Recovery	=	196.32%	
35) Dibromofluoromethane	6.92	113	305106	79.46	ug/l	-0.02
Spiked Amount			Recovery	=	158.92%	
50) Toluene-d8	10.41	98	511406	60.58	ug/l	-0.02
Spiked Amount			Recovery	=	121.16%	
62) 4-Bromofluorobenzene	13.56	95	224898	58.78	ug/l	0.00
Spiked Amount			Recovery	=	117.56%	

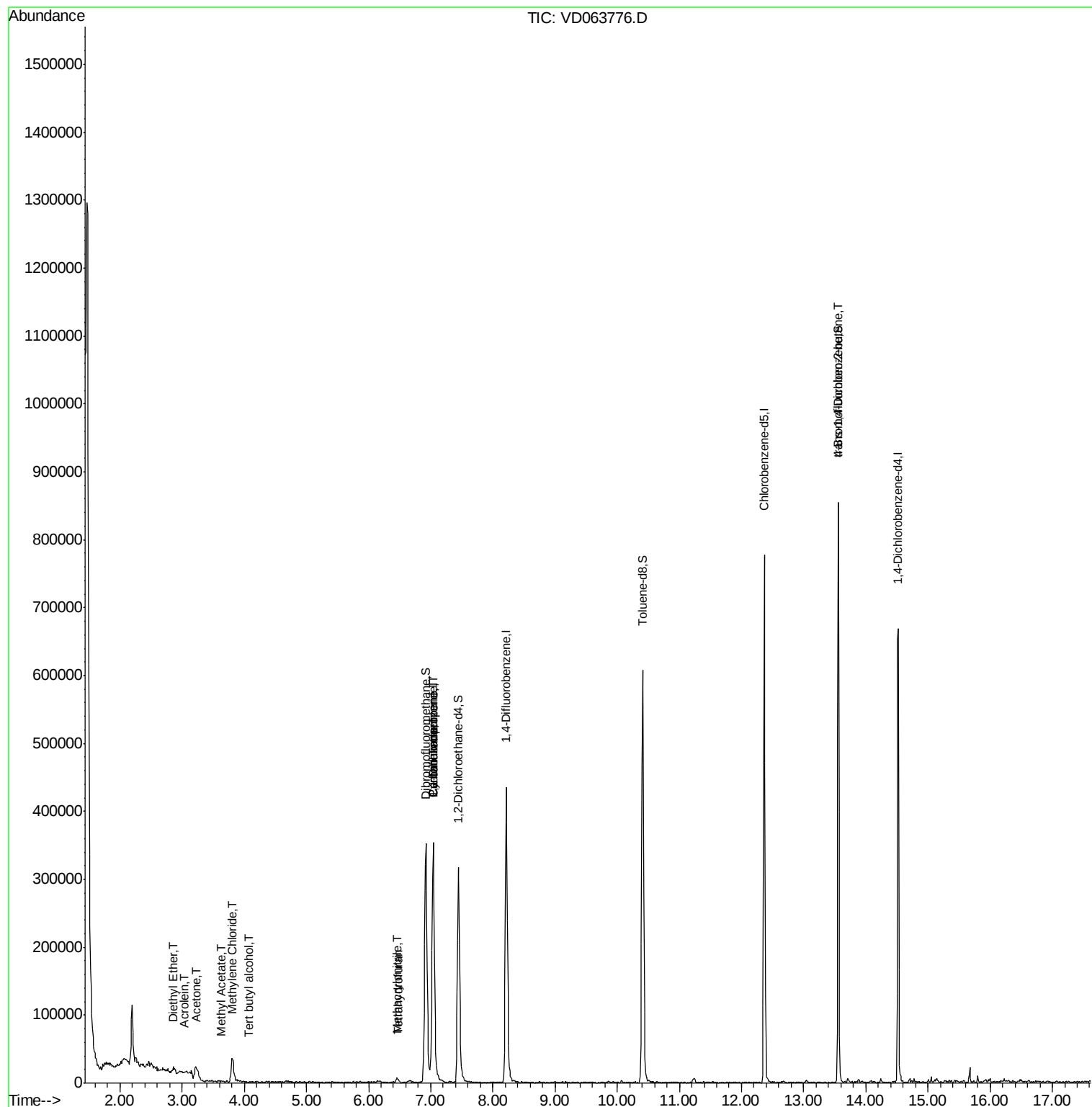
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.86	74	2006	2.305	ug/l	96
11) Tert butyl alcohol	4.07	59	426	2.733	ug/l #	71
13) Acrolein	3.02	56	256	1.669	ug/l #	72
16) Acetone	3.22	43	39135	53.770	ug/l	96
18) Methyl Acetate	3.62	43	2852	2.069	ug/l #	57
20) Methylene Chloride	3.80	84	22163	7.042	ug/l	92
29) Tetrahydrofuran	6.48	42	4071	12.154	ug/l #	35
31) Cyclohexane	7.04	56	6813	2.107	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	24174	5.998	ug/l #	58
38) Carbon Tetrachloride	7.04	117	33669	5.543	ug/l #	18
41) Methacrylonitrile	6.46	41	4056	1.907	ug/l #	83
81) trans-1,4-Dichloro-2-buten	13.56	75	98879	197.317	ug/l #	1

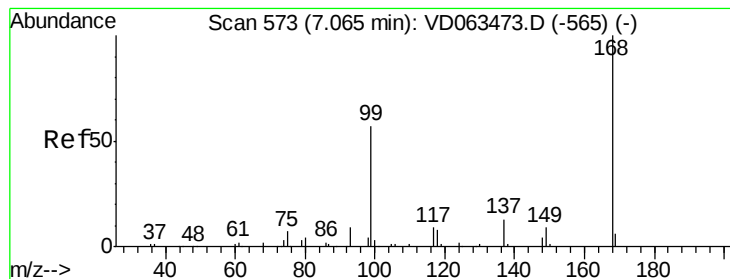
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082319\
Data File : VD063776.D
Acq On : 23 Aug 2019 19:43
Operator : JC/SY
Sample : K4090-13
Misc : 5.96g/5ml/MSVOA D/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 26 11:14:38 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: VD063776.D

Acq: 23 Aug 2019 19:43

Instrument :

MSVOA_D

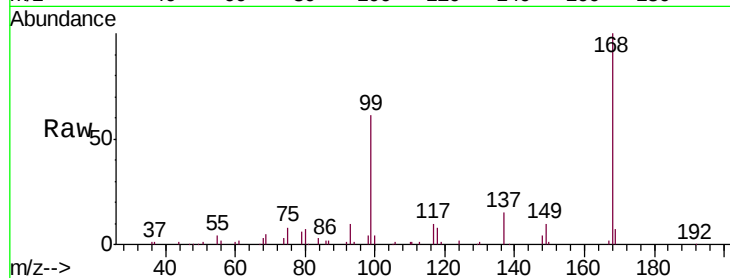
ClientSampleId :

Tot Ion:168 Resp: 334953

Ion Ratio Lower Upper

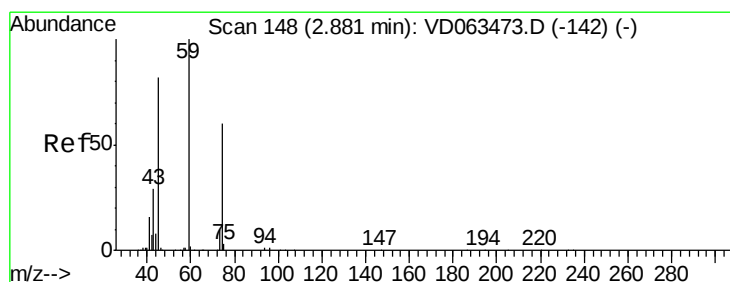
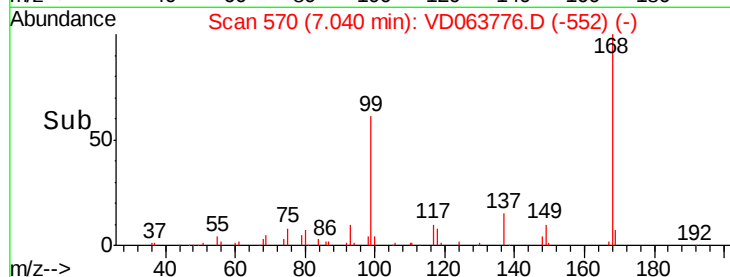
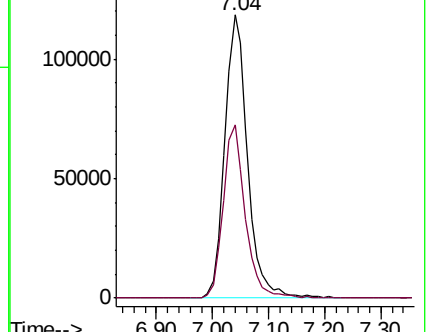
168 100

99 61.3 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: 2.305 ug/l

RT: 2.86 min Scan# 145

Delta R.T. -0.02 min

Lab File: VD063776.D

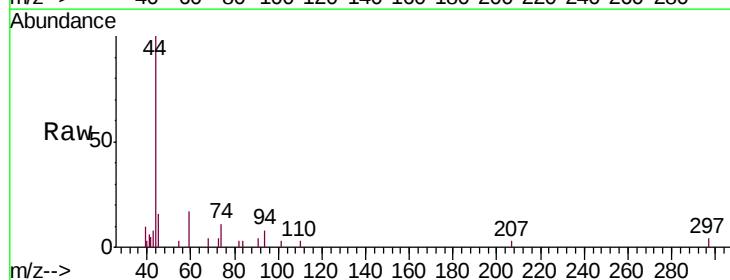
Acq: 23 Aug 2019 19:43

Tgt Ion: 74 Resp: 2006

Ion Ratio Lower Upper

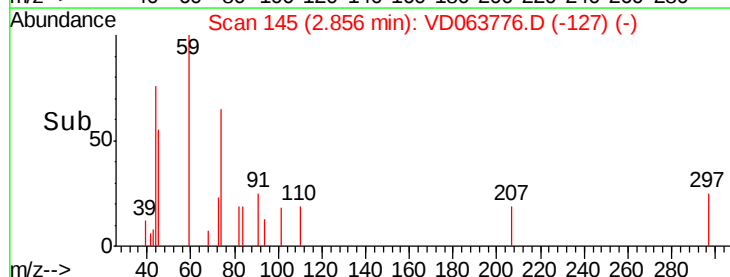
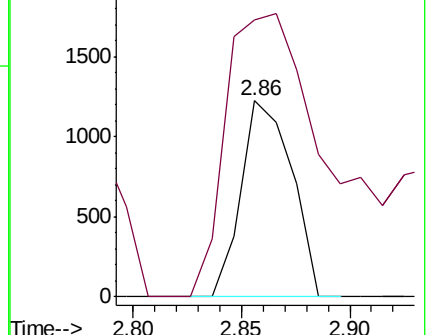
74 100

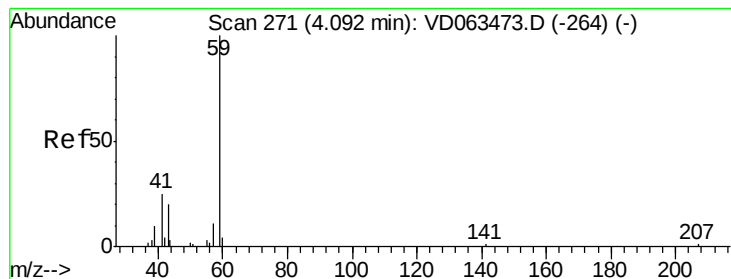
45 141.6 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



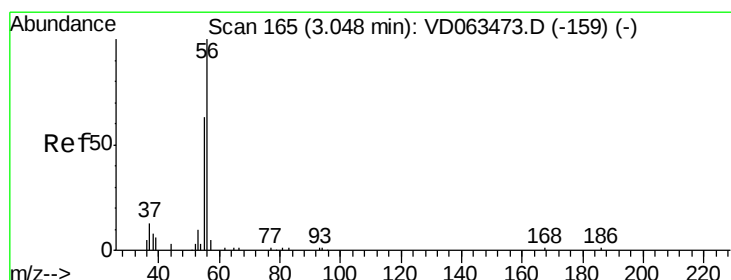
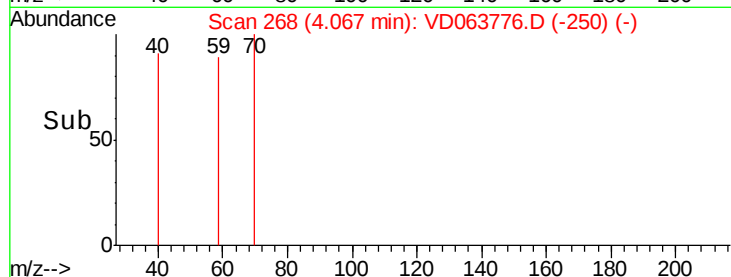
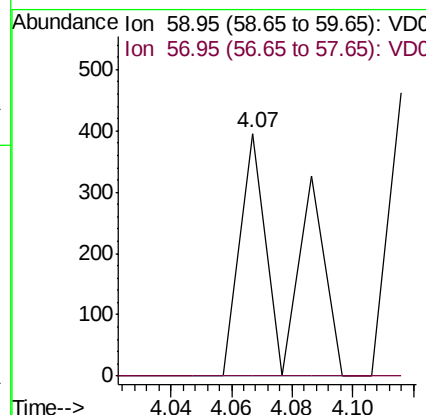
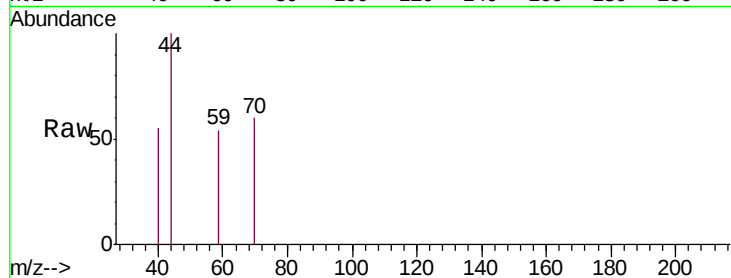


#11

Tert butyl alcohol
 Concen: 2.733 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. -0.02 min
 Lab File: VD063776.D
 Acq: 23 Aug 2019 19:43

Instrument :
 MSVOA_D
 ClientSampled :

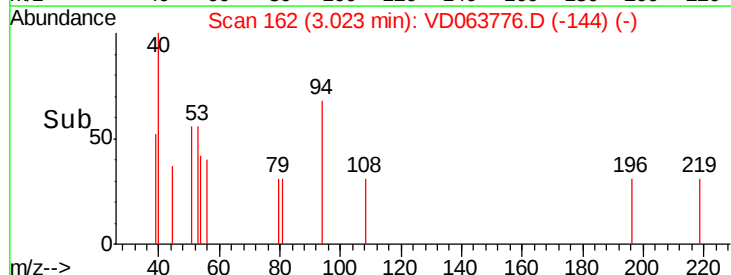
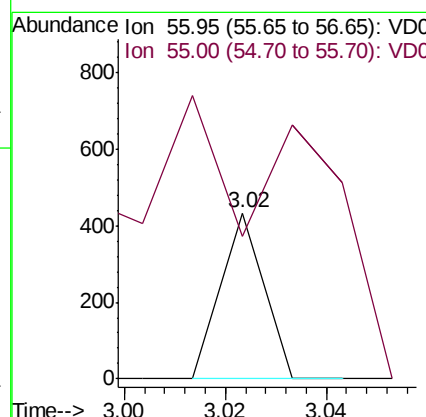
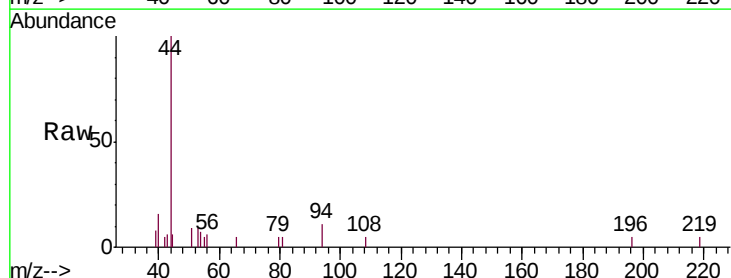
Tot Ion: 59 Resp: 426
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

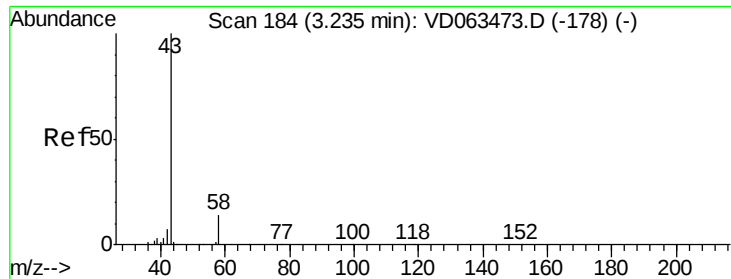


#13

Acrolein
 Concen: 1.669 ug/l
 RT: 3.02 min Scan# 162
 Delta R.T. -0.02 min
 Lab File: VD063776.D
 Acq: 23 Aug 2019 19:43

Tgt Ion: 56 Resp: 256
 Ion Ratio Lower Upper
 56 100
 55 85.7 51.3 76.9#

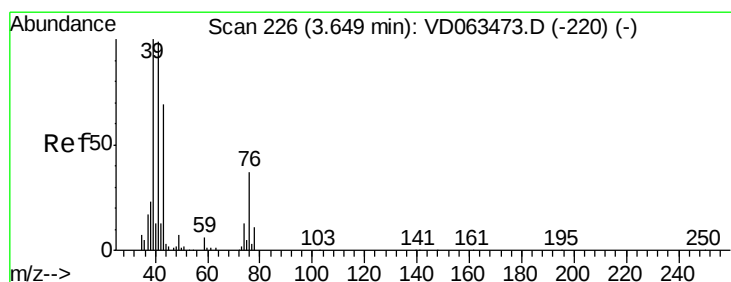
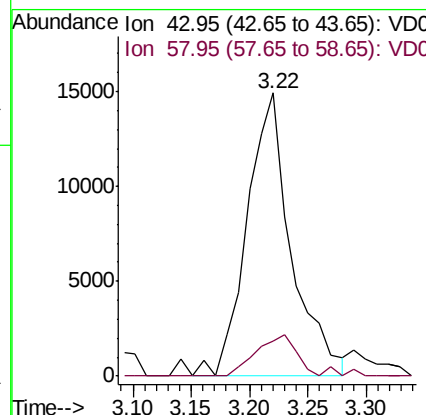
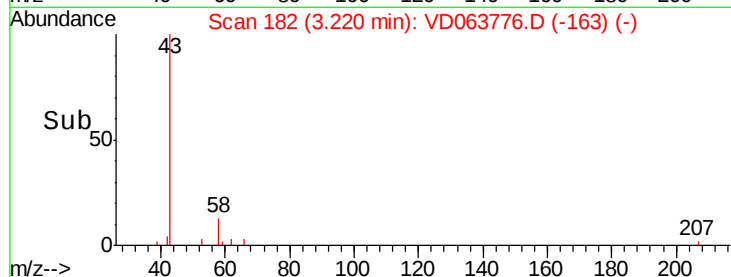
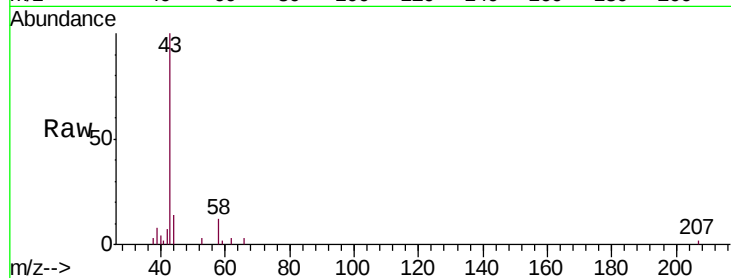




#16
Acetone
Concen: 53.770 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.02 min
Lab File: VD063776.D
Acq: 23 Aug 2019 19:43

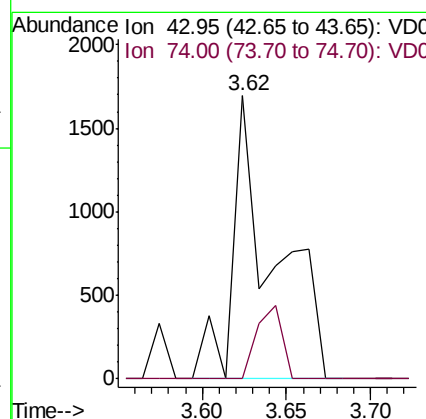
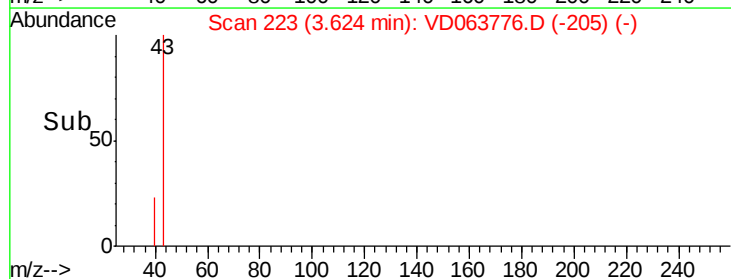
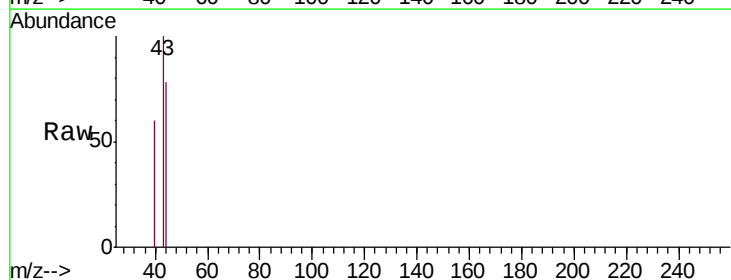
Instrument :
MSVOA_D
ClientSampleId :

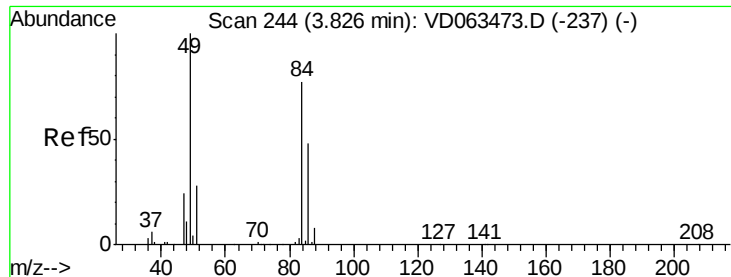
Tot Ion: 43 Resp: 39135
Ion Ratio Lower Upper
43 100
58 12.5 11.4 17.2



#18
Methyl Acetate
Concen: 2.069 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD063776.D
Acq: 23 Aug 2019 19:43

Tgt Ion: 43 Resp: 2852
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#

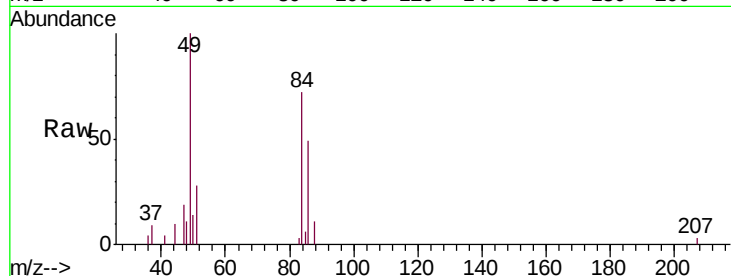




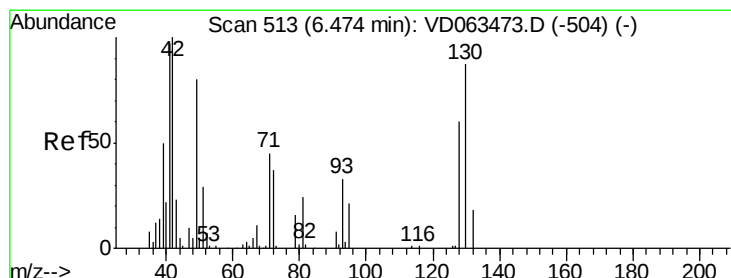
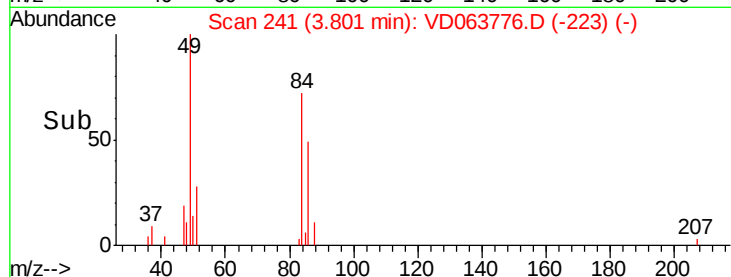
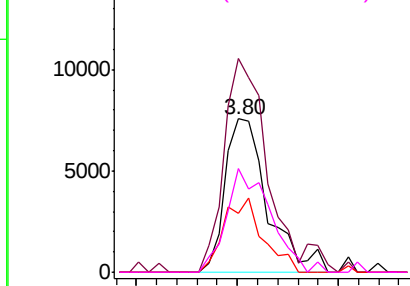
#20
Methvlene Chloride
Concen: 7.042 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063776.D
Acq: 23 Aug 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	22163
Ion	Ratio	Lower	Upper
84	100		
49	139.3	103.4	155.2
51	38.7	28.5	42.7
86	67.9	49.4	74.2

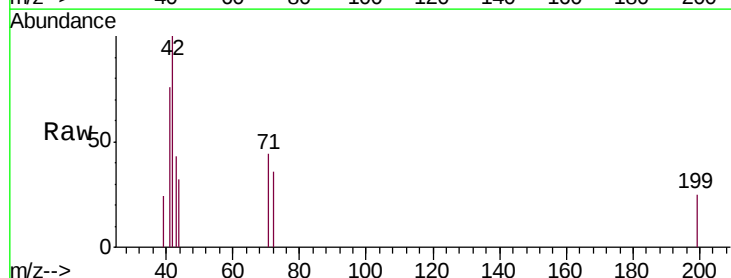


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

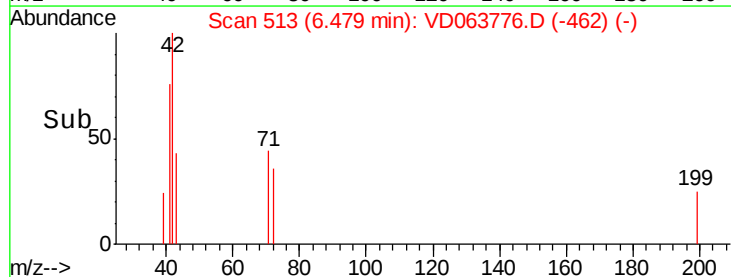
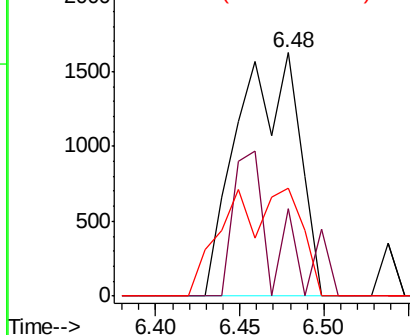


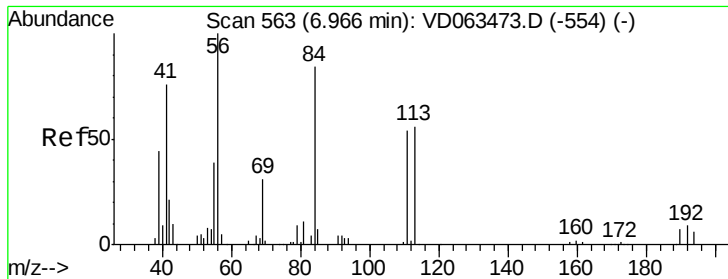
#29
Tetrahydrofuran
Concen: 12.154 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.00 min
Lab File: VD063776.D
Acq: 23 Aug 2019 19:43

Tgt Ion:	42	Resp:	4071
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.5	47.3#
71	0.0	33.8	50.8#



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

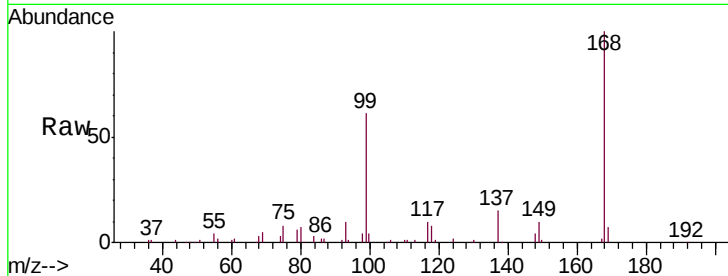




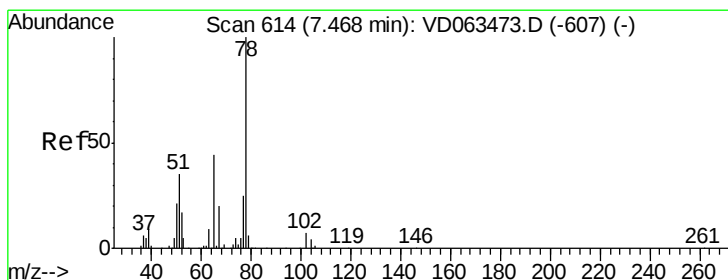
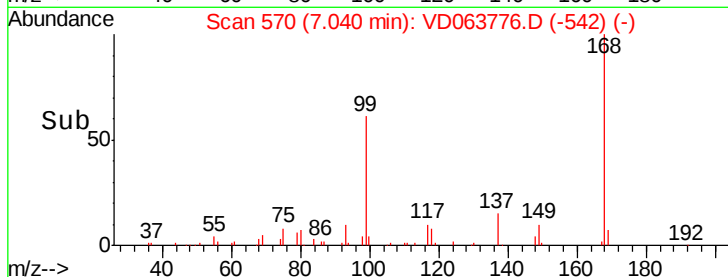
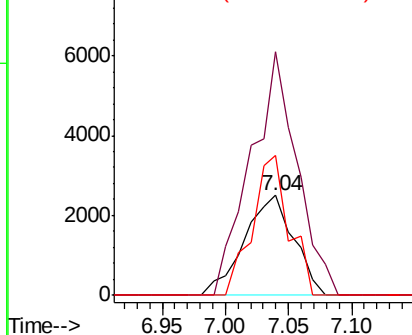
#31
Cyclohexane
Concen: 2.107 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063776.D
Acq: 23 Aug 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 6813
Ion Ratio Lower Upper
56 100
69 244.0 25.0 37.6#
84 140.6 69.7 104.5#

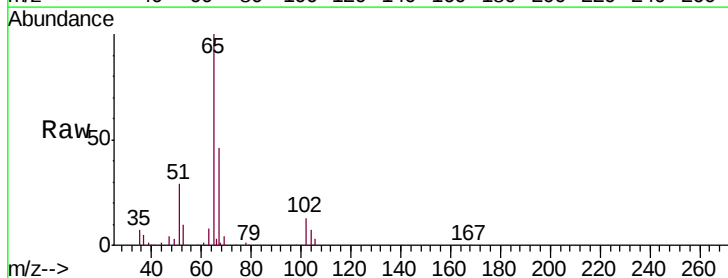


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

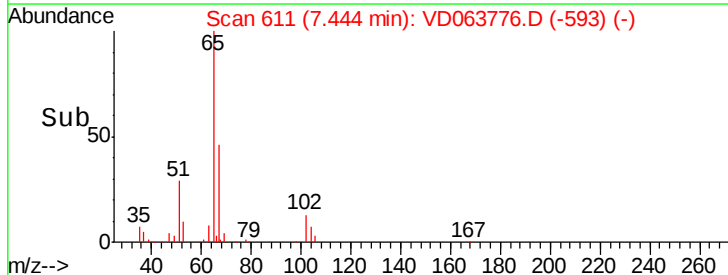
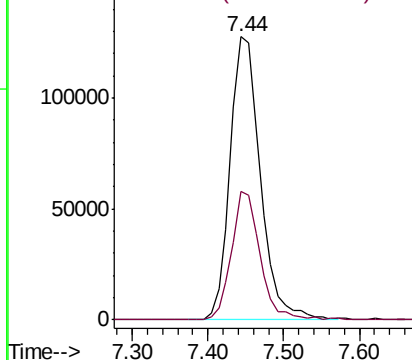


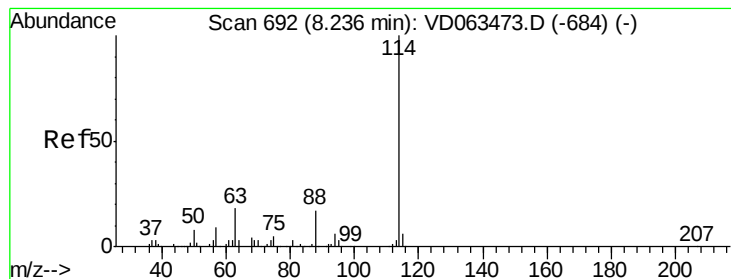
#33
1,2-Dichloroethane-d4
Concen: 98.163 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD063776.D
Acq: 23 Aug 2019 19:43

Tgt Ion: 65 Resp: 351462
Ion Ratio Lower Upper
65 100
67 45.6 0.0 89.2



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# 689

Delta R.T. -0.02 min

Lab File: VD063776.D

Acq: 23 Aug 2019 19:43

Instrument :

MSVOA_D

ClientSampleId :

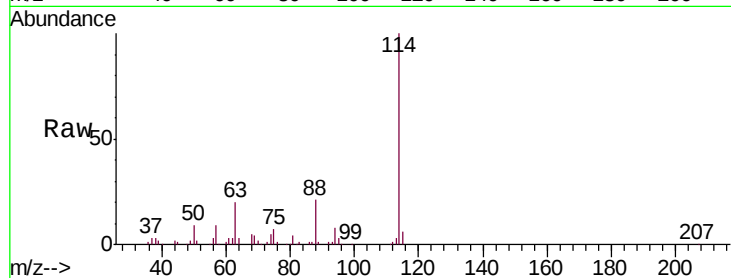
Tot Ion:114 Resp: 455899

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.2

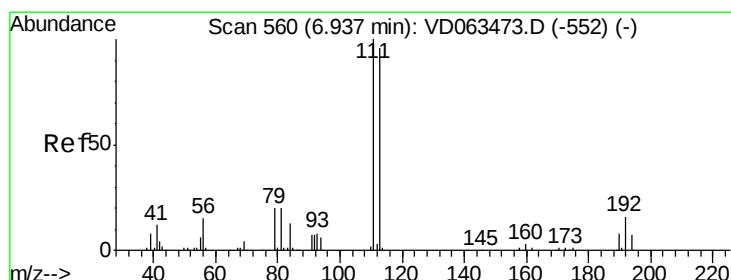
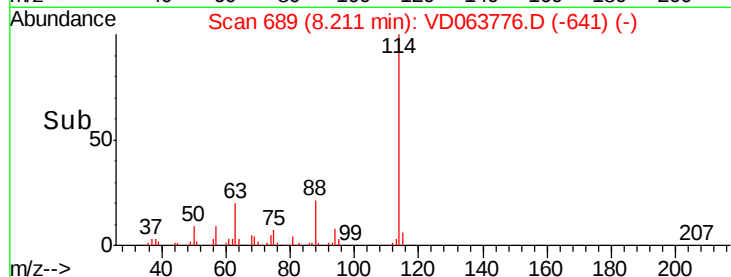
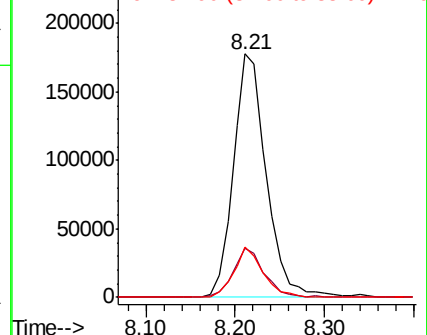
88 20.5 0.0 35.0



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: 79.463 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063776.D

Acq: 23 Aug 2019 19:43

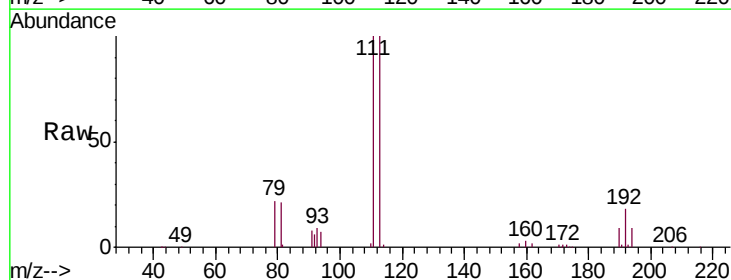
Tgt Ion:113 Resp: 305106

Ion Ratio Lower Upper

113 100

111 99.7 83.1 124.7

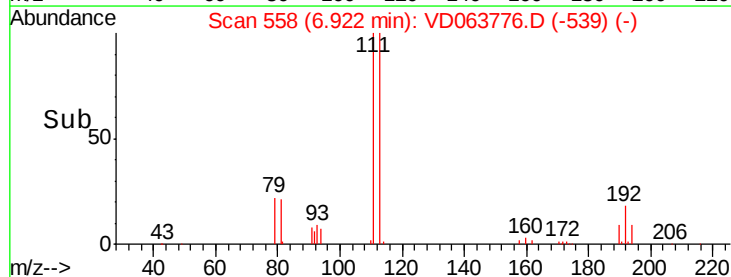
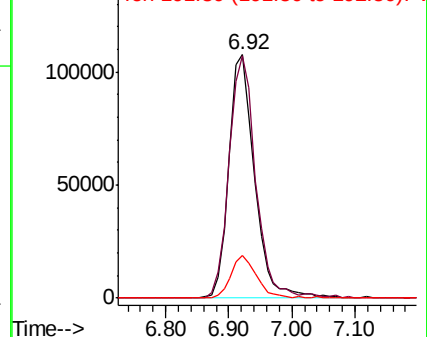
192 17.7 13.1 19.7

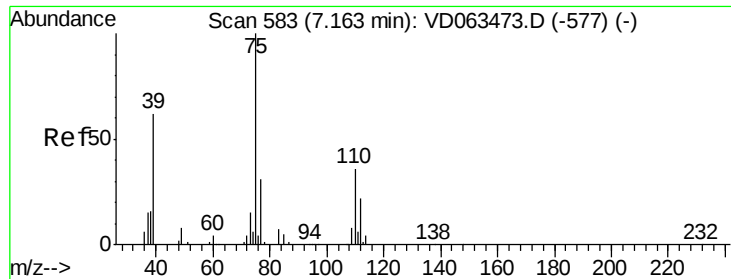


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

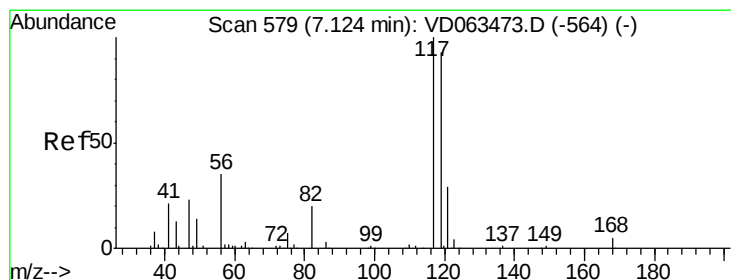
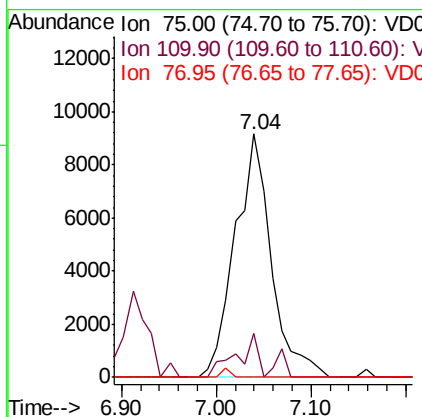
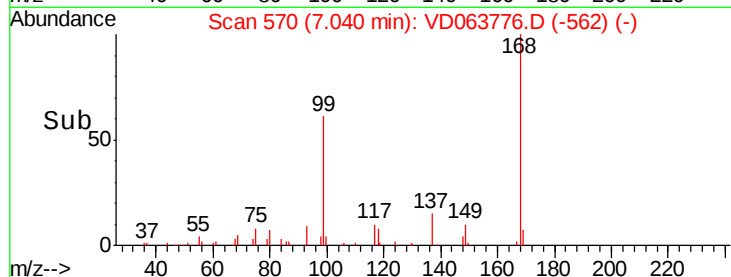
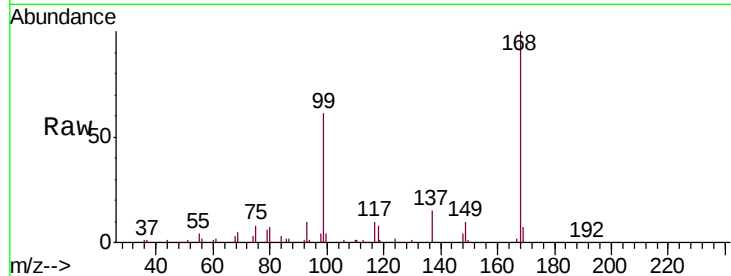




#36
 1,1-Dichloropropene
 Concen: 5.998 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD063776.D
 Acq: 23 Aug 2019 19:43

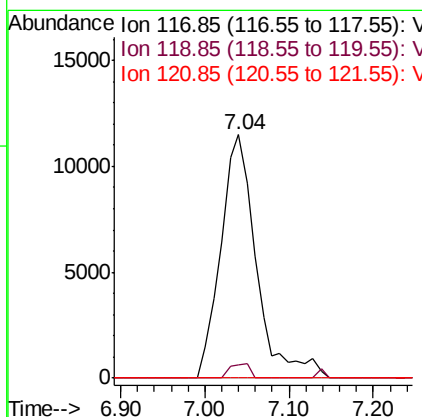
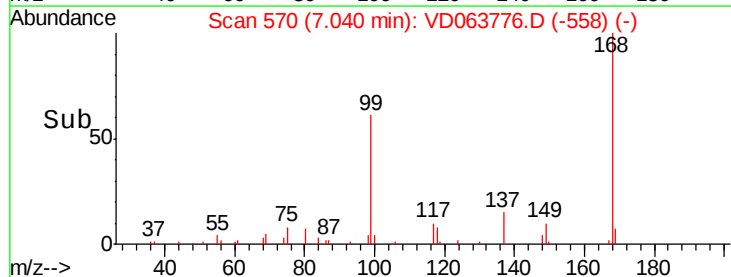
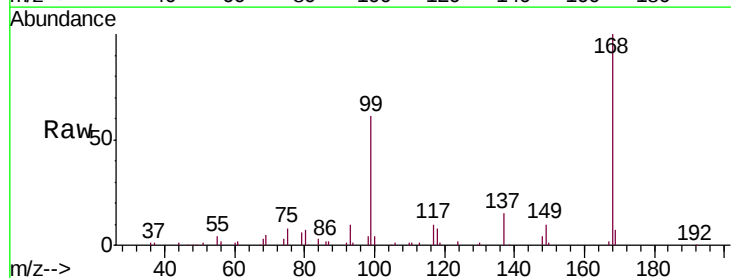
Instrument :
 MSVOA_D
 ClientSampleId :

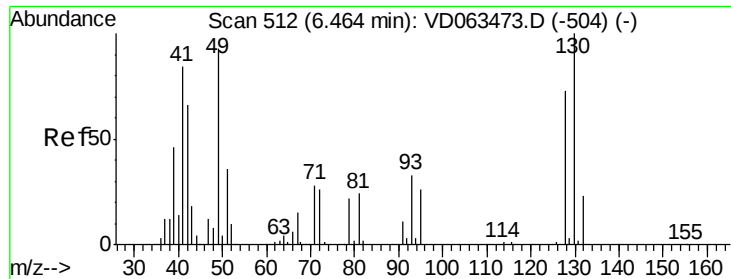
Tot Ion	Ratio	Lower	Upper
75	100		
110	18.0	17.6	52.8
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.543 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD063776.D
 Acq: 23 Aug 2019 19:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.2	111.2#
121	0.0	23.1	34.7#





#41

Methacrylonitrile

Concen: 1.907 ug/l

RT: 6.46 min Scan# 511

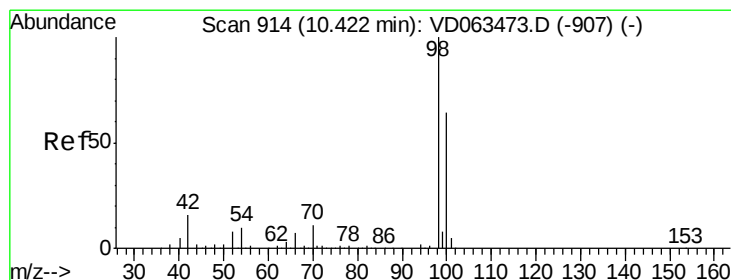
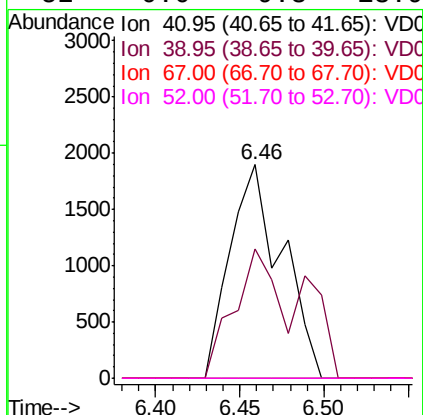
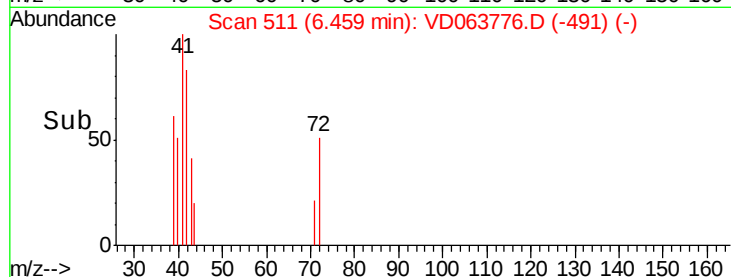
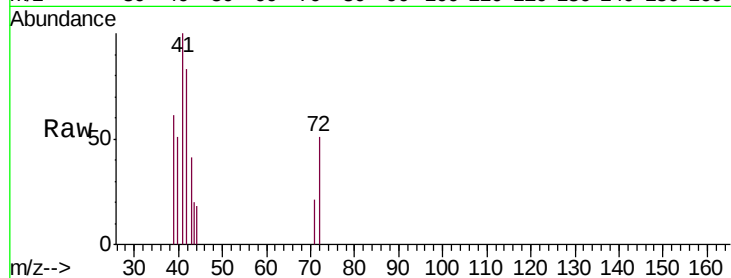
Delta R.T. -0.01 min

Lab File: VD063776.D

Acq: 23 Aug 2019 19:43

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:	41	Resp:	4056
Ion	Ratio	Lower	Upper
41	100		
39	60.7	44.6	66.8
67	0.0	14.4	21.6#
52	0.0	9.3	13.9#



#50

Toluene-d8

Concen: 60.582 ug/l

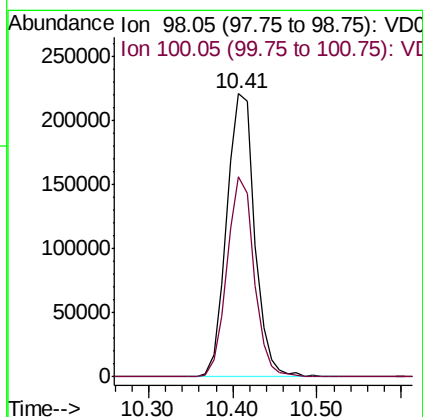
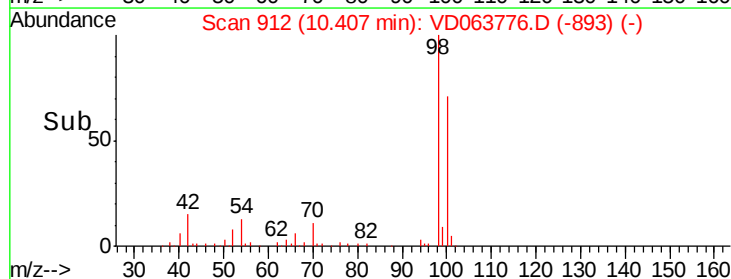
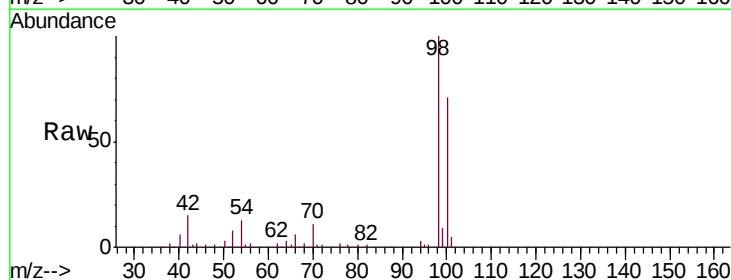
RT: 10.41 min Scan# 912

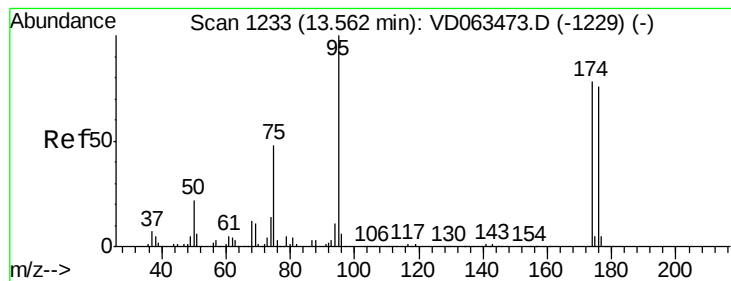
Delta R.T. -0.02 min

Lab File: VD063776.D

Acq: 23 Aug 2019 19:43

Tgt Ion:	98	Resp:	511406
Ion	Ratio	Lower	Upper
98	100		
100	70.5	51.7	77.5





#62

4-Bromofluorobenzene

Concen: 58.780 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063776.D

Acq: 23 Aug 2019 19:43

Instrument :

MSVOA_D

ClientSampleId :

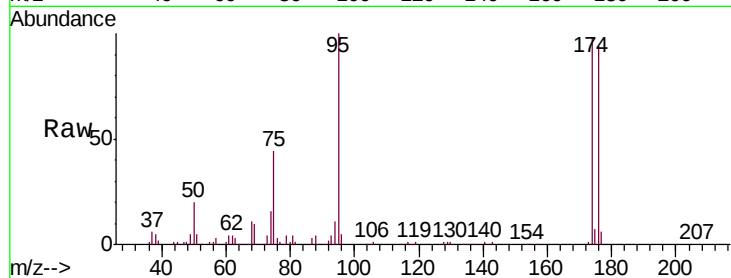
Tot Ion: 95 Resp: 224898

Ion Ratio Lower Upper

95 100

174 98.0 0.0 155.4

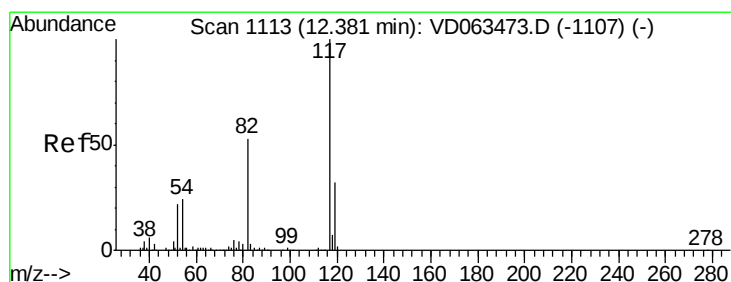
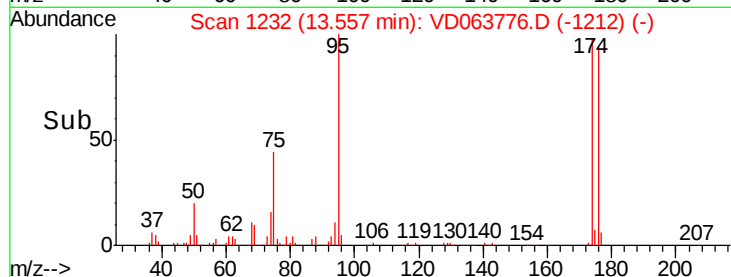
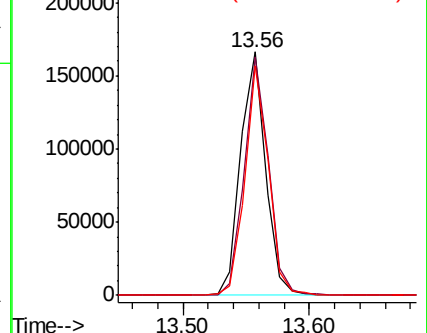
176 94.2 0.0 152.4



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. -0.02 min

Lab File: VD063776.D

Acq: 23 Aug 2019 19:43

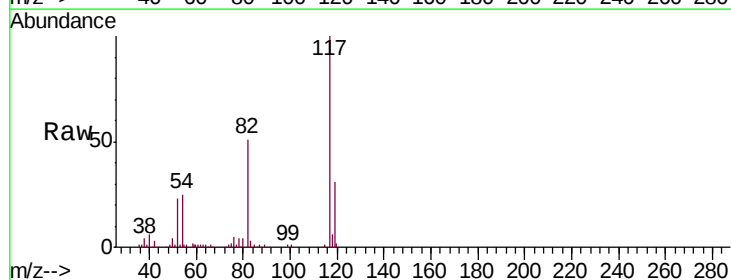
Tgt Ion: 117 Resp: 397397

Ion Ratio Lower Upper

117 100

82 51.5 42.0 63.0

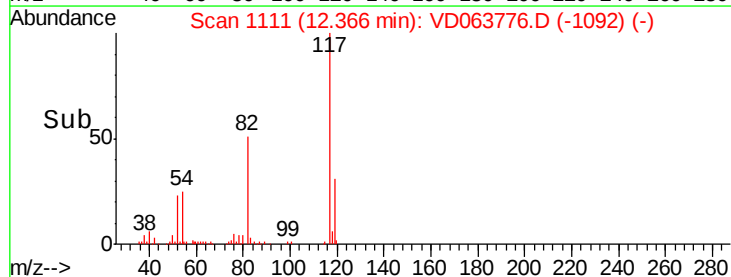
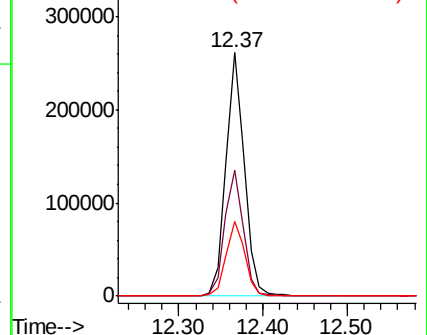
119 30.6 25.4 38.0

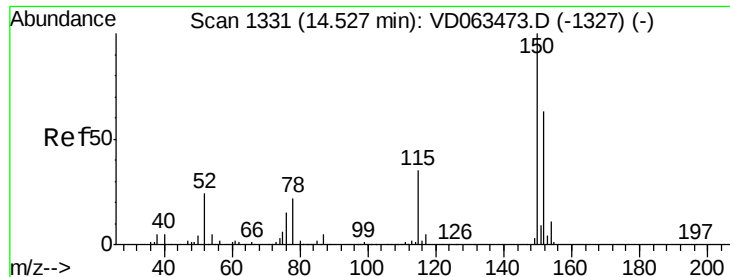


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



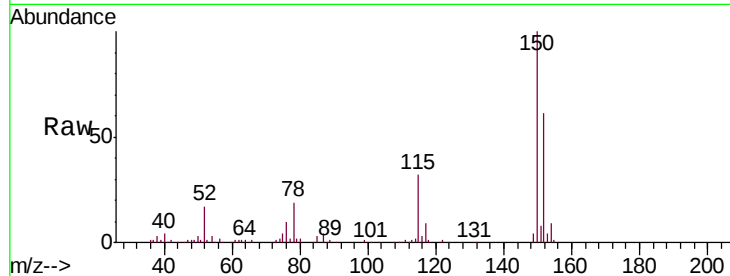


#72

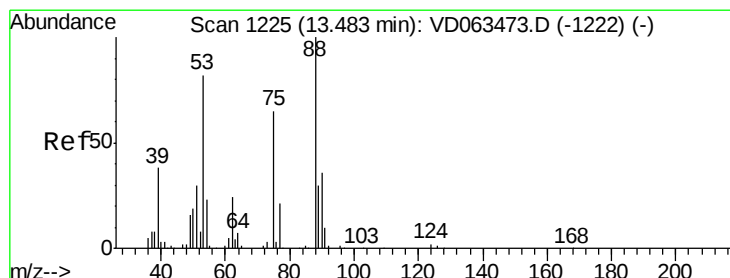
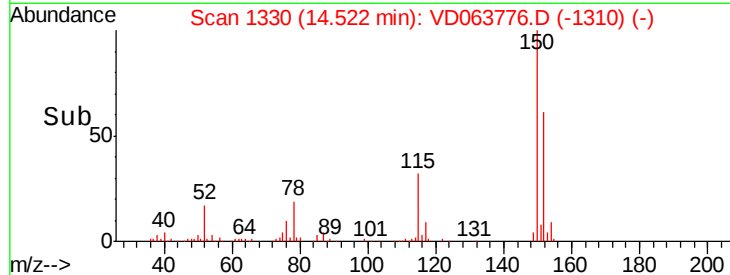
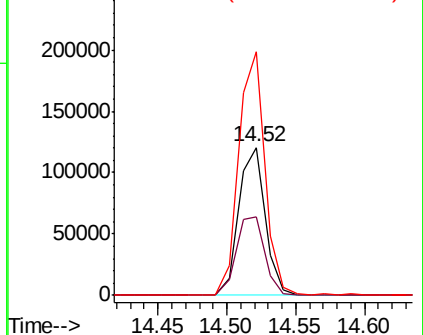
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063776.D
Acq: 23 Aug 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.9	30.9	92.7
150	164.7	0.0	318.6



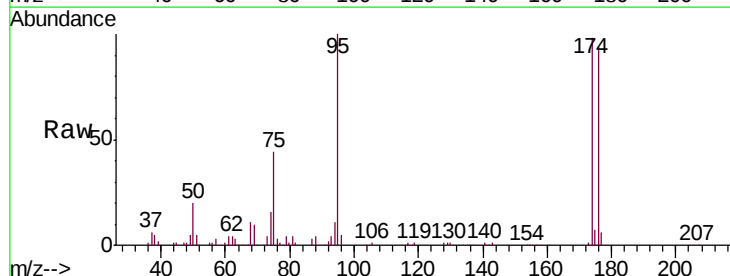
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 197.317 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD063776.D
Acq: 23 Aug 2019 19:43

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

