

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063554.D
 Acq On : 14 Aug 2019 5:17
 Operator : JC/SY
 Sample : K4324-03
 Misc : 5.34g/5ml/MSVOA D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:34:25 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	7.05	168	220922	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.23	114	345650	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	264384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	94934	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	198412	84.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	168.04%	
35) Dibromofluoromethane	6.93	113	160385	55.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.18%	
50) Toluene-d8	10.42	98	233557	36.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.98%	
62) 4-Bromofluorobenzene	13.56	95	87190	30.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	60.12%	

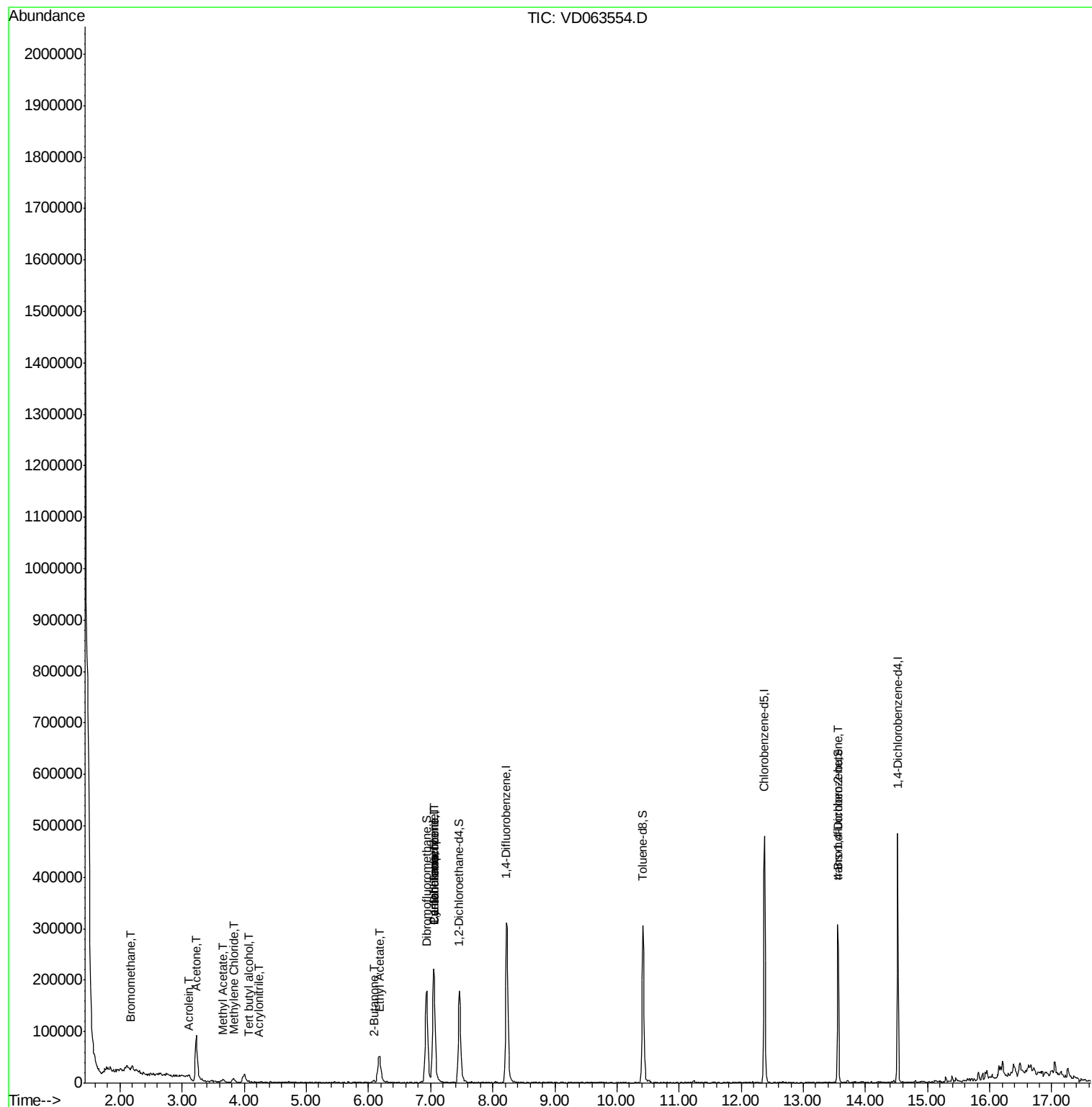
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	2265	2.316	ug/l #	46
11) Tert butyl alcohol	4.08	59	2396	23.307	ug/l #	71
13) Acrolein	3.09	56	459	4.536	ug/l	90
15) Acrylonitrile	4.23	53	401	1.473	ug/l #	11
16) Acetone	3.23	43	167993	349.954	ug/l	95
18) Methyl Acetate	3.64	43	9974	10.969	ug/l #	81
20) Methylene Chloride	3.84	84	5150	2.481	ug/l #	33
25) 2-Butanone	6.08	43	8292	17.490	ug/l #	58
31) Cyclohexane	7.05	56	5061	2.374	ug/l #	11
36) 1,1-Dichloropropene	7.06	75	16859	5.517	ug/l #	51
37) Ethyl Acetate	6.16	43	5535	4.323	ug/l #	3
38) Carbon Tetrachloride	7.06	117	20775	4.511	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.56	75	38659	132.016	ug/l #	1

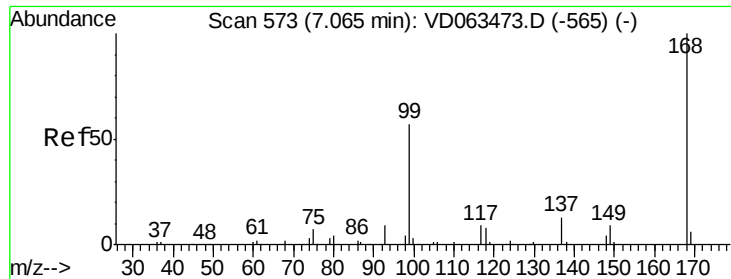
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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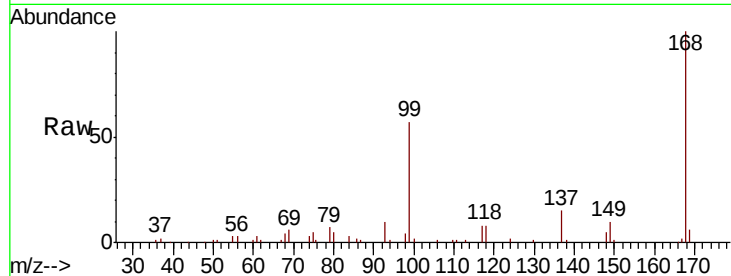




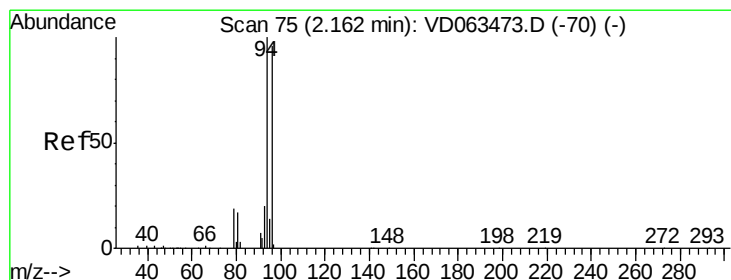
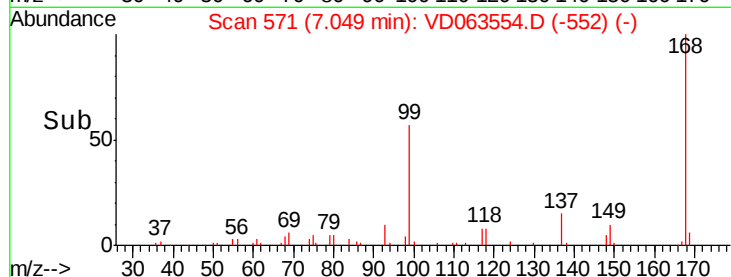
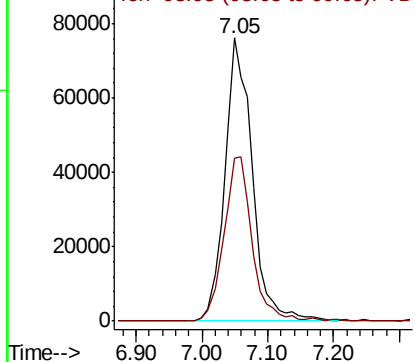
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.02 min
Lab File: VD063554.D
Acq: 14 Aug 2019 5:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 220922
Ion Ratio Lower Upper
168 100
99 57.5 46.7 70.1

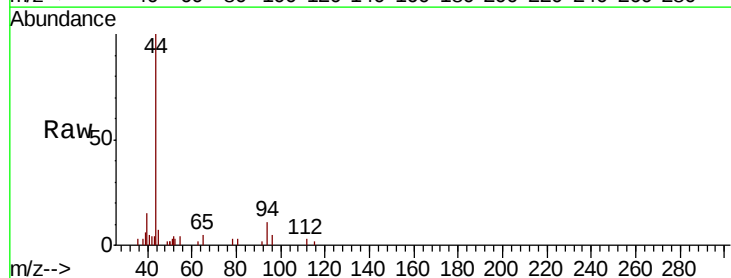


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC

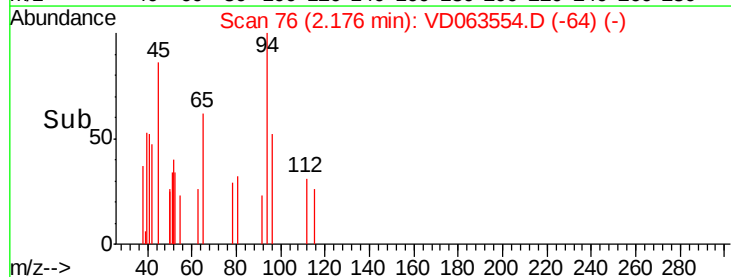
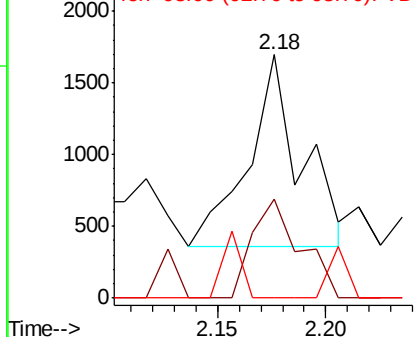


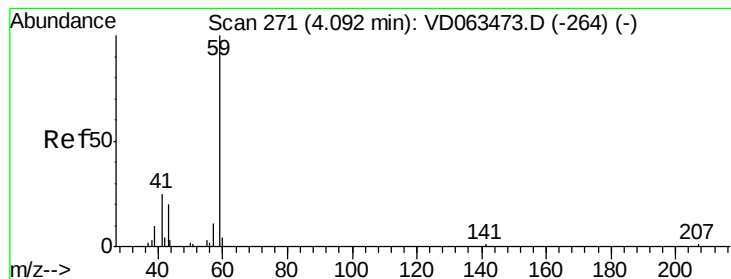
#5
Bromomethane
Concen: 2.316 ug/l
RT: 2.18 min Scan# 76
Delta R.T. 0.01 min
Lab File: VD063554.D
Acq: 14 Aug 2019 5:17

Tgt Ion: 94 Resp: 2265
Ion Ratio Lower Upper
94 100
96 40.5 76.5 114.7#
93 0.0 15.8 23.8#



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



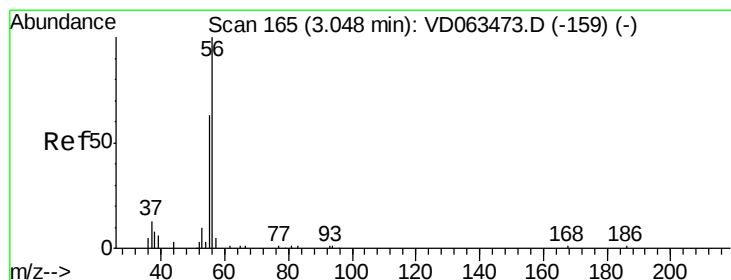
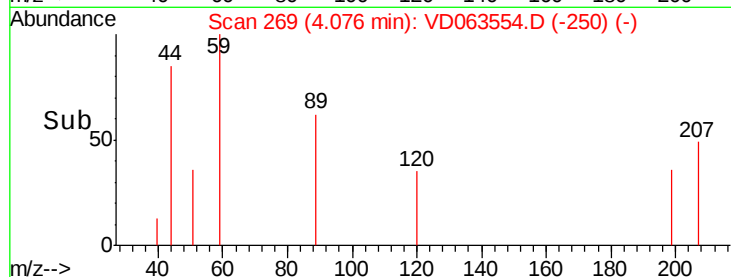
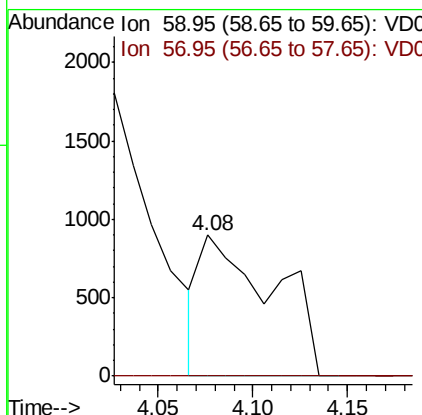
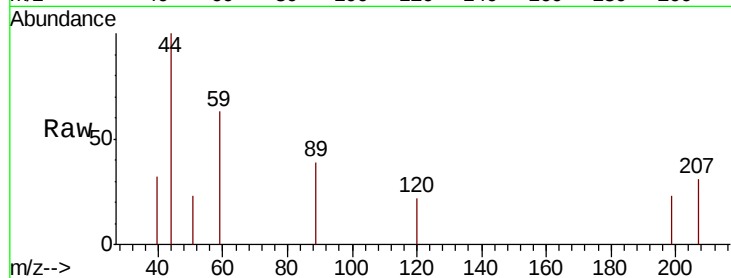


#11

Tert butyl alcohol
 Concen: 23.307 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.02 min
 Lab File: VD063554.D
 Acq: 14 Aug 2019 5:17

Instrument :
 MSVOA_D
 ClientSampled :

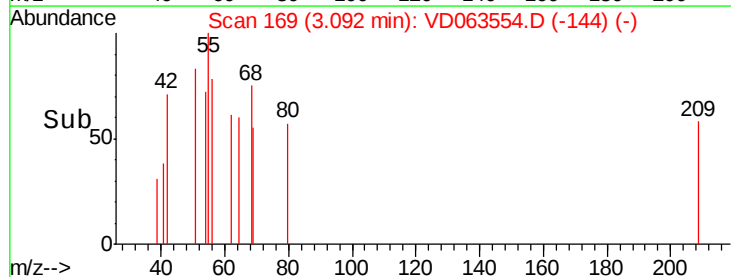
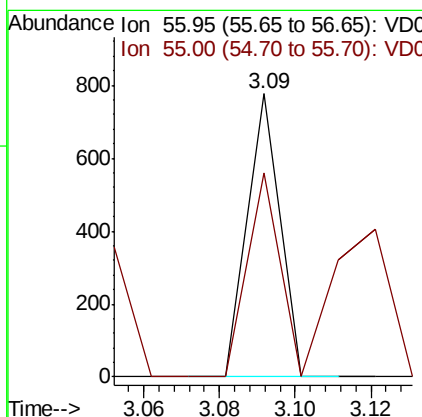
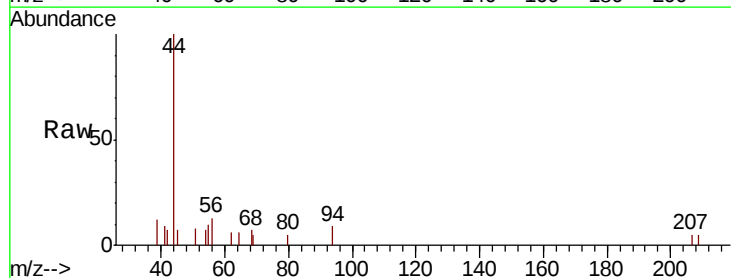
Tot Ion: 59 Resp: 2396
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

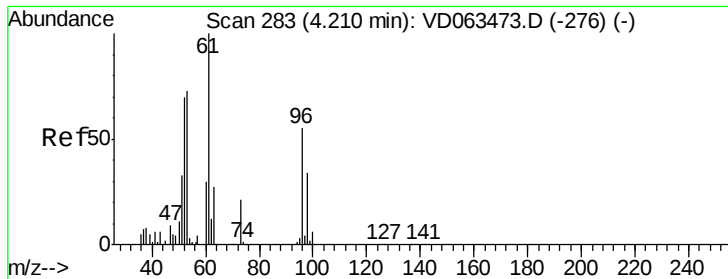


#13

Acrolein
 Concen: 4.536 ug/l
 RT: 3.09 min Scan# 169
 Delta R.T. 0.04 min
 Lab File: VD063554.D
 Acq: 14 Aug 2019 5:17

Tgt Ion: 56 Resp: 459
 Ion Ratio Lower Upper
 56 100
 55 72.2 51.3 76.9





#15

Acrylonitrile

Concen: 1.473 ug/l

RT: 4.23 min Scan# 285

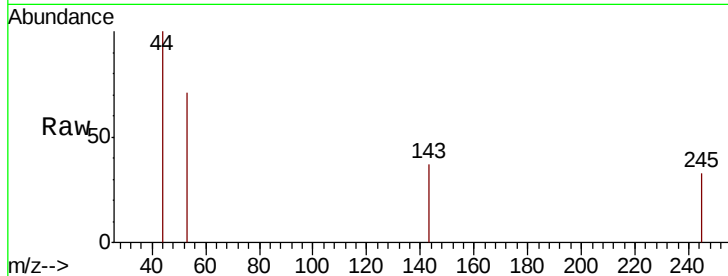
Delta R.T. 0.02 min

Lab File: VD063554.D

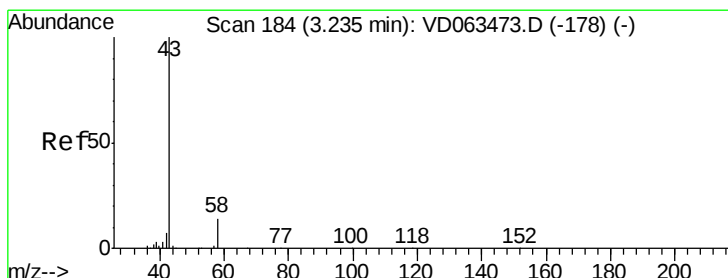
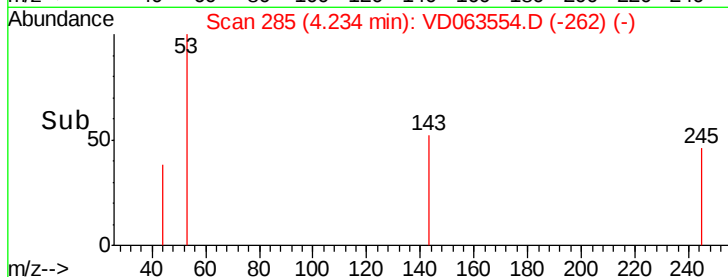
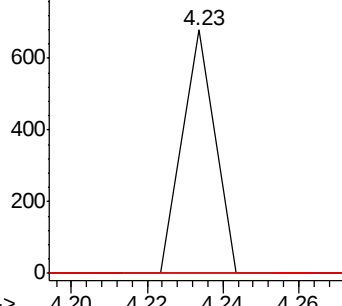
Acq: 14 Aug 2019 5:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 53 Resp: 401
Ion Ratio Lower Upper
53 100
52 0.0 77.4 116.0#
51 0.0 36.7 55.1#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 349.954 ug/l

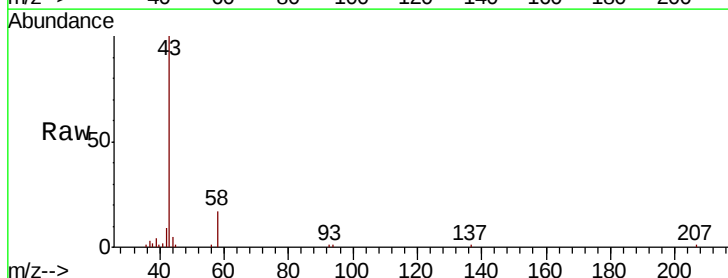
RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

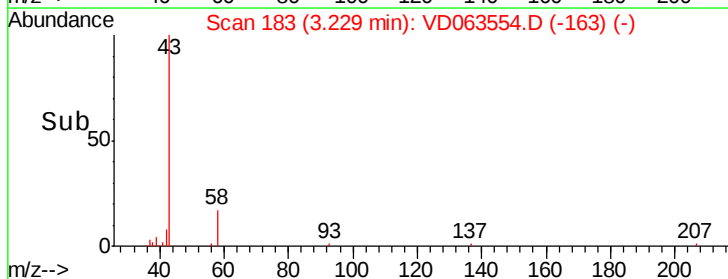
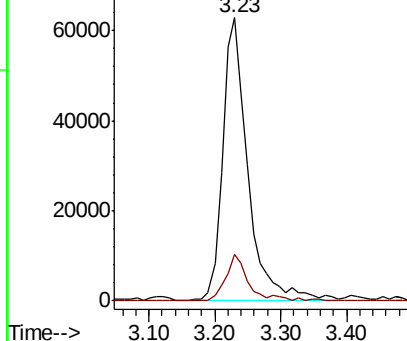
Lab File: VD063554.D

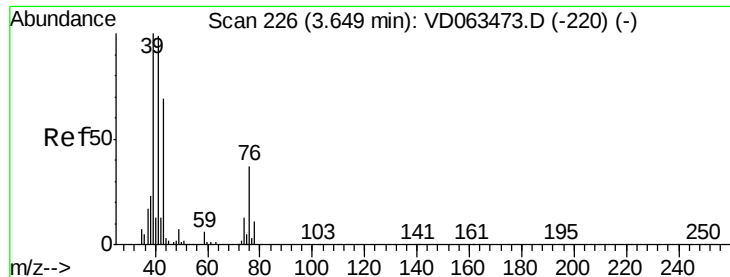
Acq: 14 Aug 2019 5:17

Tgt Ion: 43 Resp: 167993
Ion Ratio Lower Upper
43 100
58 16.5 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

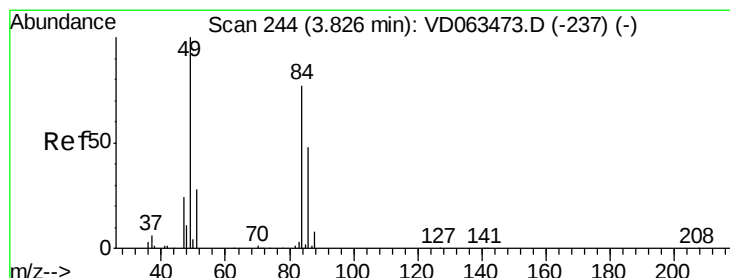
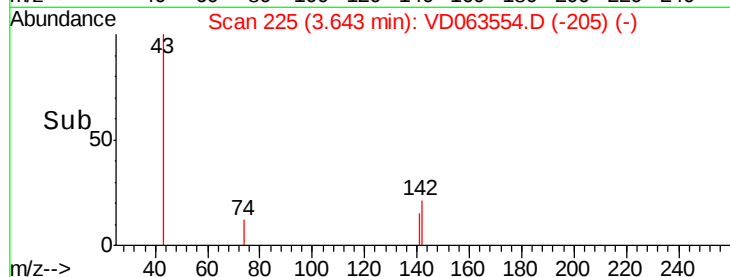
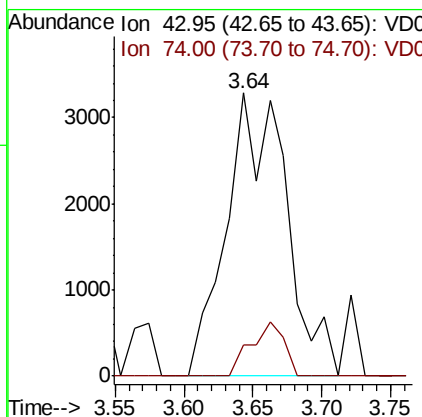
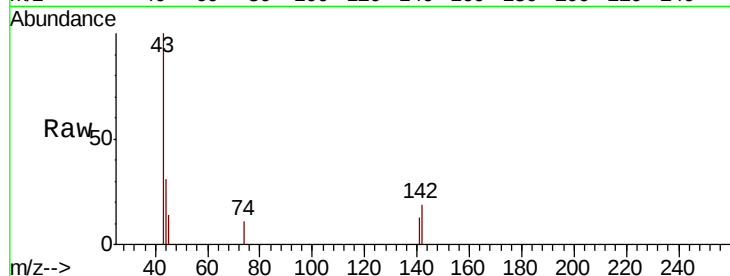




#18
Methvl Acetate
Concen: 10.969 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063554.D
Acq: 14 Aug 2019 5:17

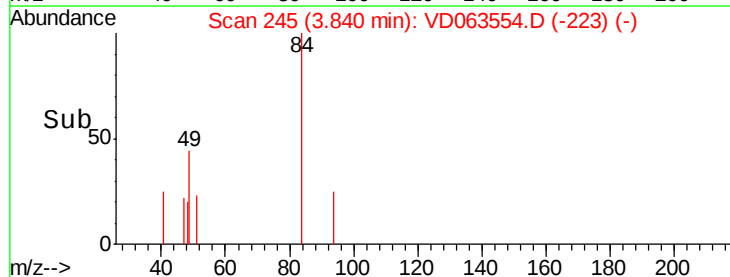
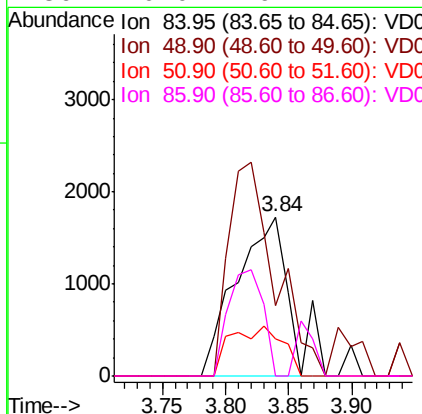
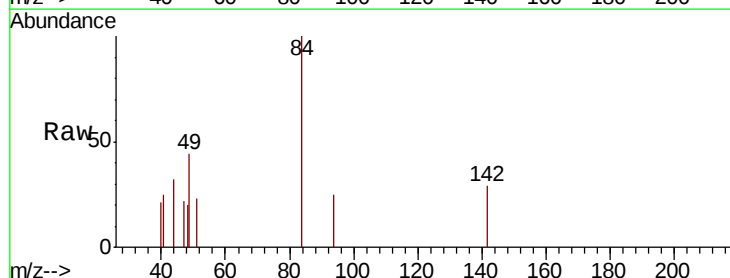
Instrument :
MSVOA_D
ClientSampleId :

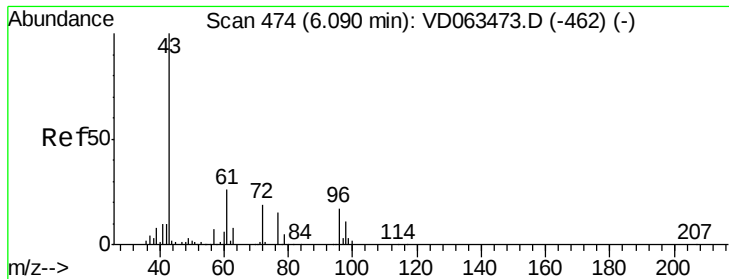
Tot Ion: 43 Resp: 9974
Ion Ratio Lower Upper
43 100
74 10.9 15.4 23.2#



#20
Methylene Chloride
Concen: 2.481 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD063554.D
Acq: 14 Aug 2019 5:17

Tgt Ion: 84 Resp: 5150
Ion Ratio Lower Upper
84 100
49 44.2 103.4 155.2#
51 23.0 28.5 42.7#
86 0.0 49.4 74.2#





#25

2-Butanone

Concen: 17.490 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063554.D

Acq: 14 Aug 2019 5:17

Instrument :

MSVOA_D

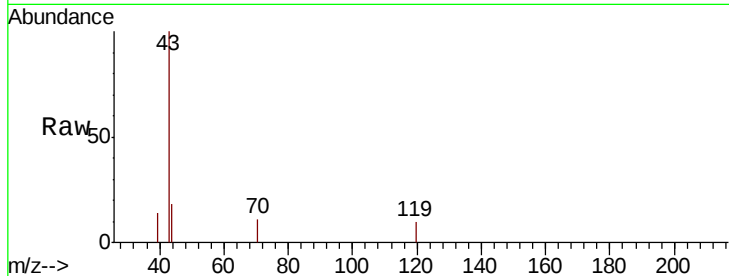
ClientSampleId :

Tot Ion: 43 Resp: 8292

Ion Ratio Lower Upper

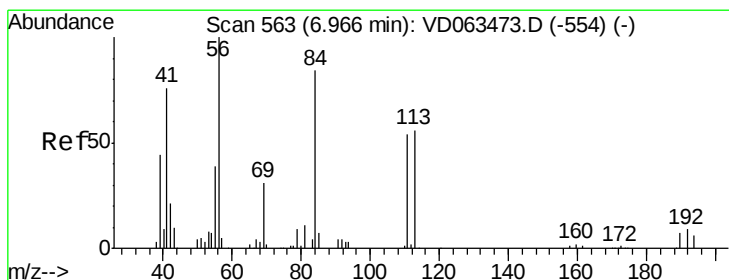
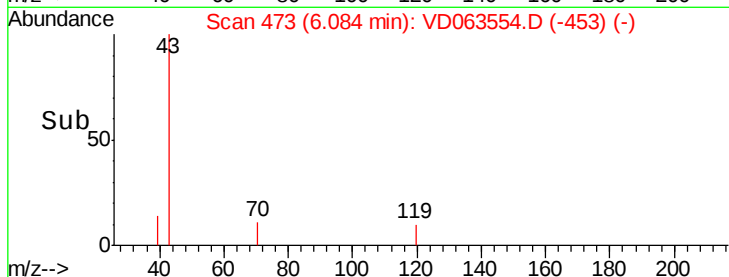
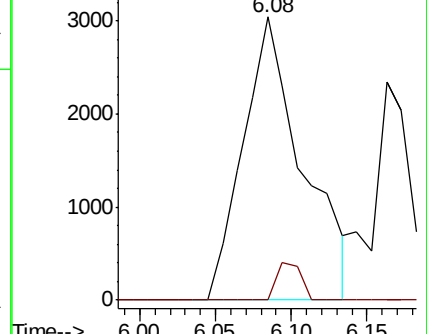
43 100

72 0.0 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.374 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD063554.D

Acq: 14 Aug 2019 5:17

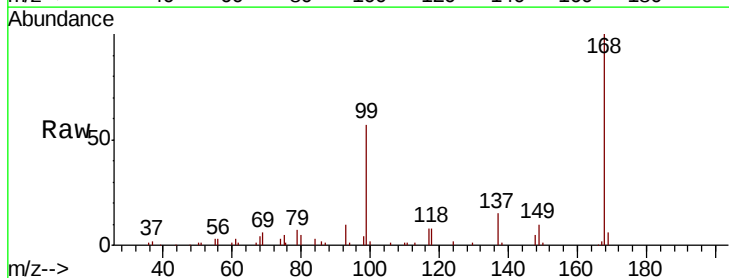
Tgt Ion: 56 Resp: 5061

Ion Ratio Lower Upper

56 100

69 215.5 25.0 37.6#

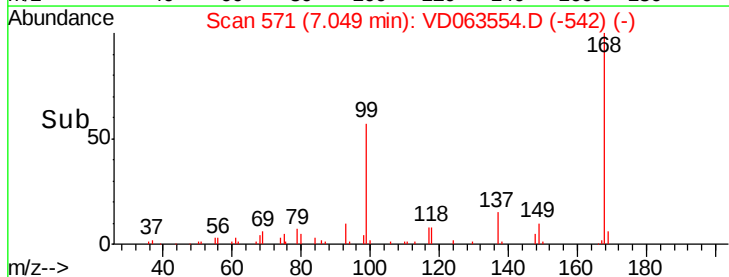
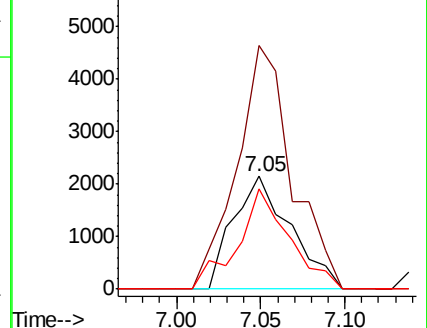
84 88.5 69.7 104.5

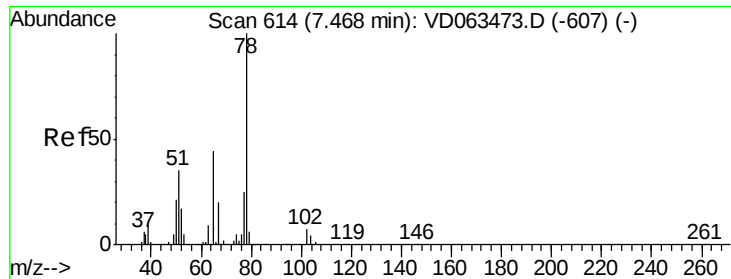


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

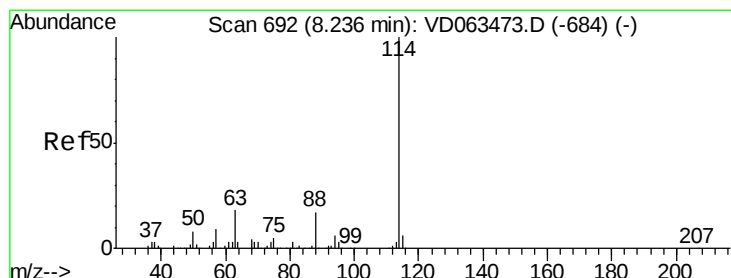
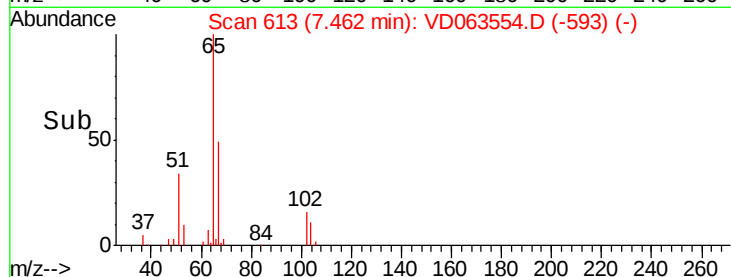
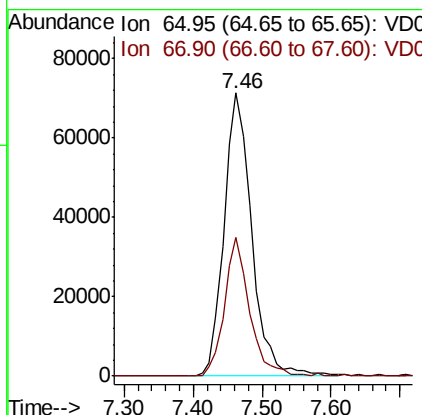
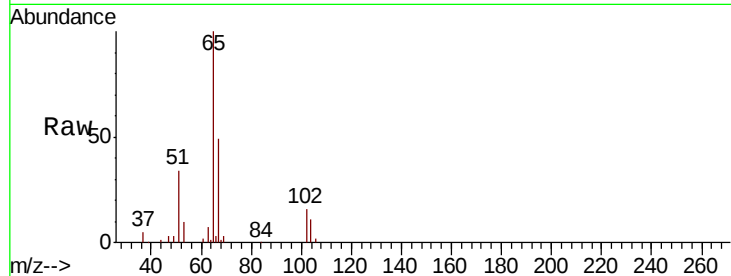




#33
 1,2-Dichloroethane-d4
 Concen: 84.020 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD063554.D
 Acq: 14 Aug 2019 5:17

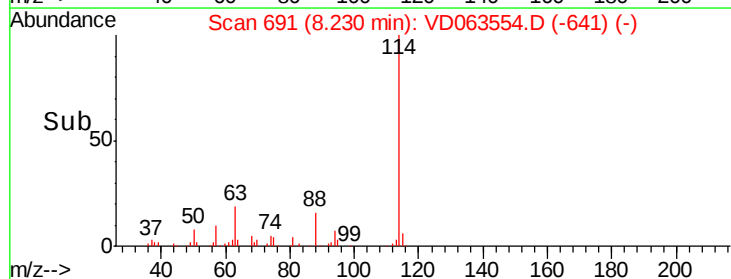
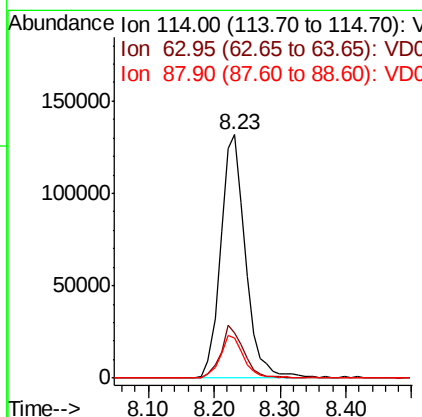
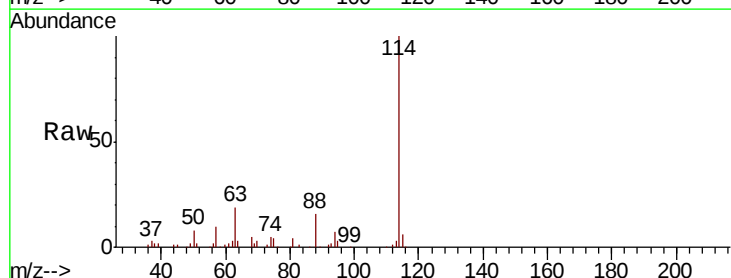
Instrument :
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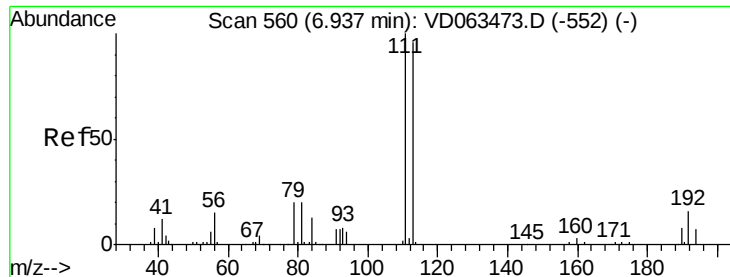
Tot Ion: 65 Resp: 198412
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VD063554.D
 Acq: 14 Aug 2019 5:17

Tgt Ion: 114 Resp: 345650
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.2
 88 16.5 0.0 35.0

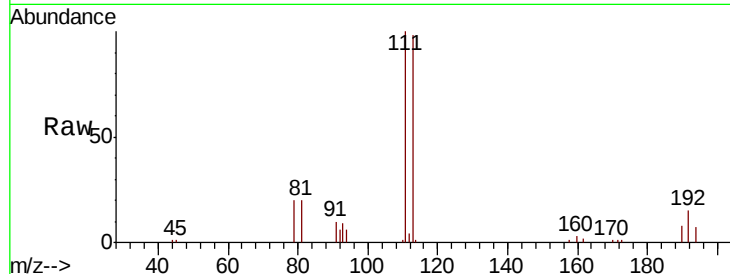




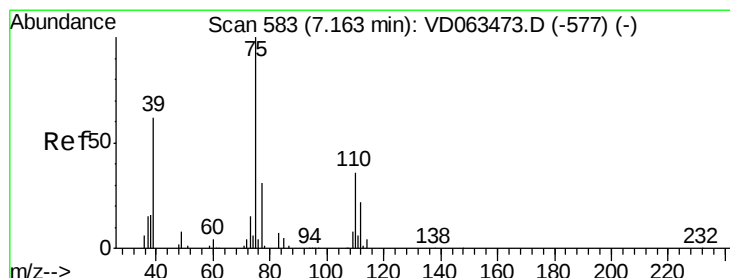
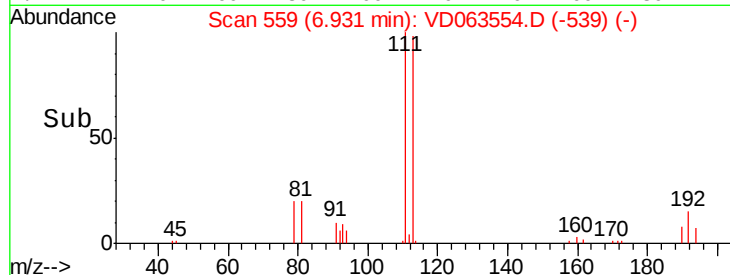
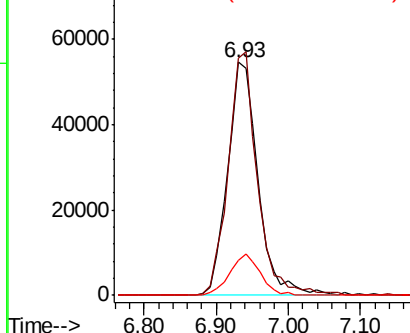
#35
 Dibromofluoromethane
 Concen: 55.095 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD063554.D
 Acq: 14 Aug 2019 5:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.1	124.7
192	15.3	13.1	19.7

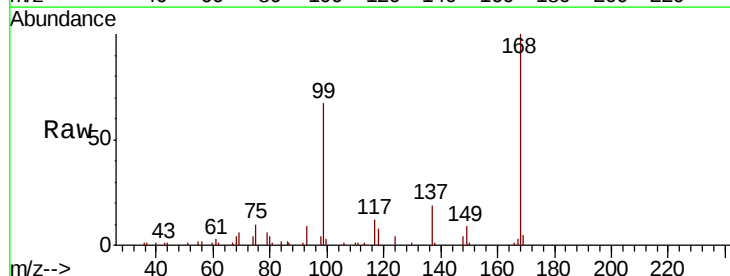


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

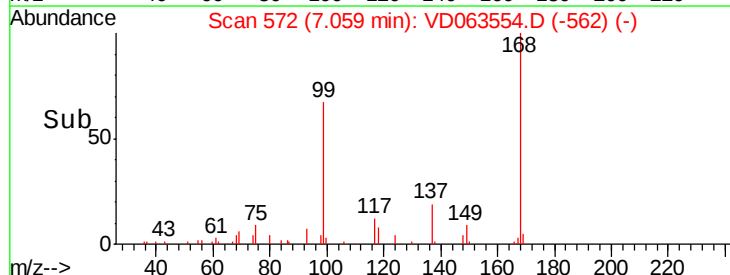
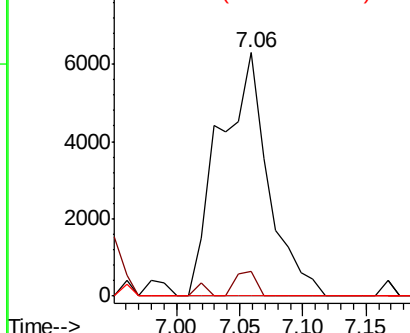


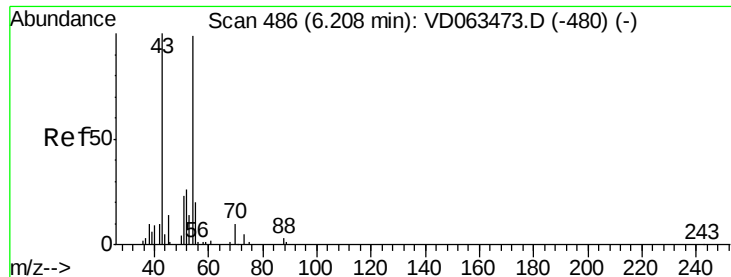
#36
 1,1-Dichloropropene
 Concen: 5.517 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.10 min
 Lab File: VD063554.D
 Acq: 14 Aug 2019 5:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	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

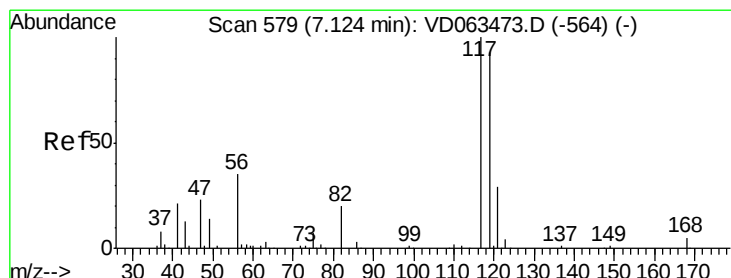
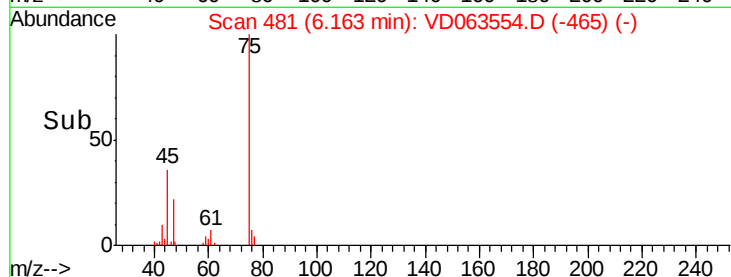
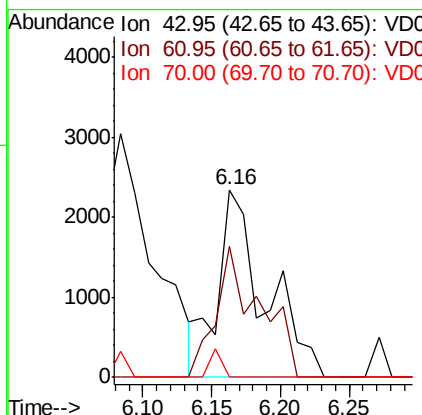
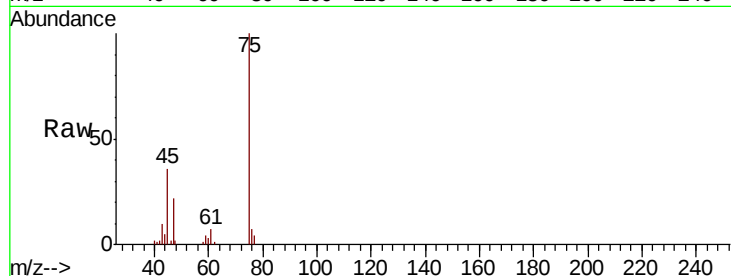




#37
Ethyl Acetate
Concen: 4.323 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.05 min
Lab File: VD063554.D
Acq: 14 Aug 2019 5:17

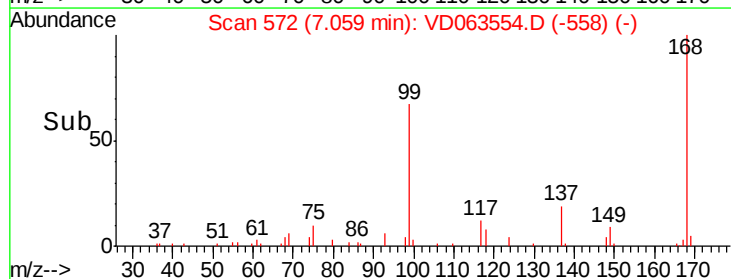
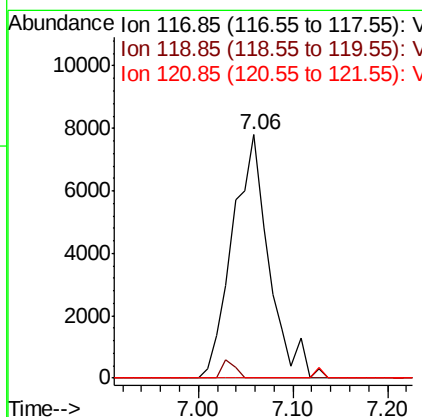
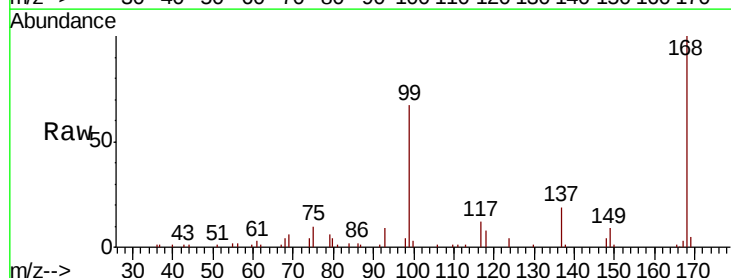
Instrument :
MSVOA_D
ClientSampleId :

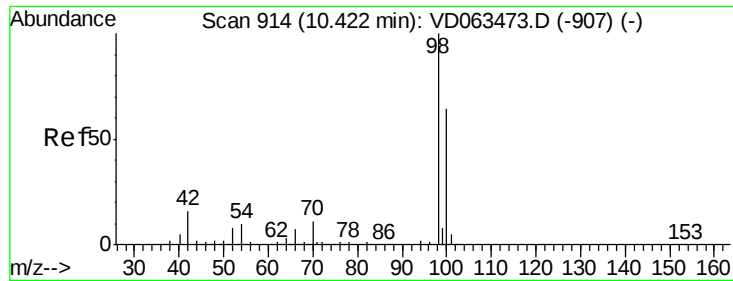
Tot Ion: 43 Resp: 5535
Ion Ratio Lower Upper
43 100
61 69.9 9.0 13.6#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 4.511 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.07 min
Lab File: VD063554.D
Acq: 14 Aug 2019 5:17

Tgt Ion: 117 Resp: 20775
Ion Ratio Lower Upper
117 100
119 0.0 74.2 111.2#
121 0.0 23.1 34.7#

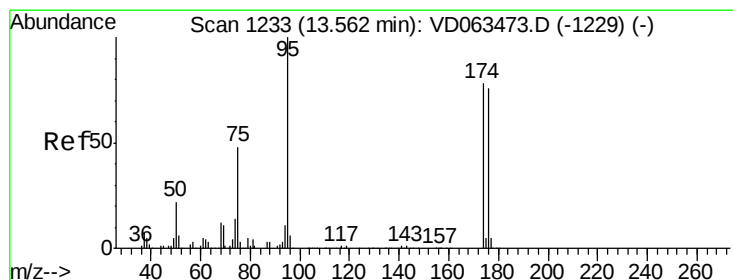
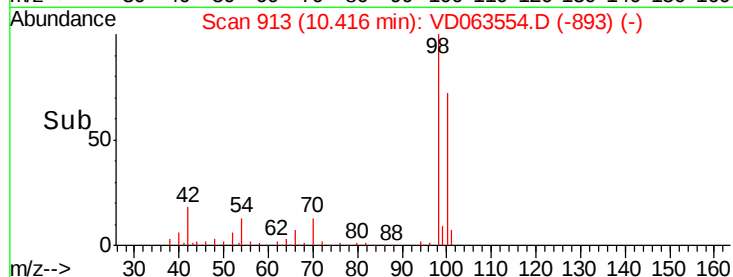
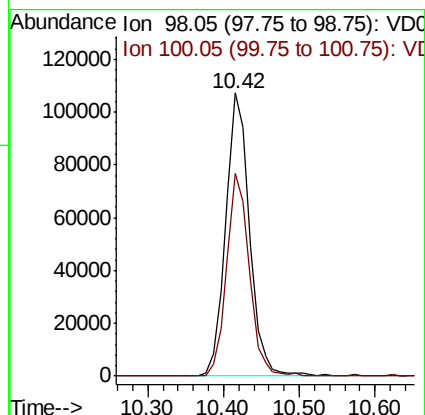
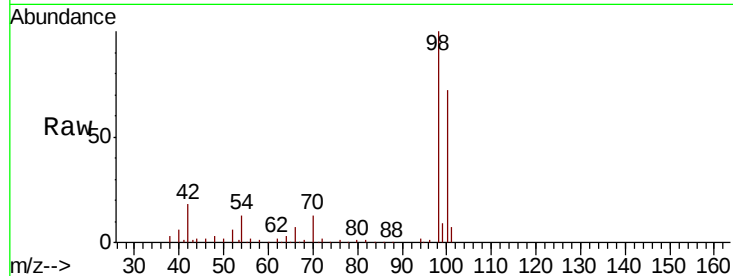




#50
Toluene-d8
Concen: 36.492 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063554.D
Acq: 14 Aug 2019 5:17

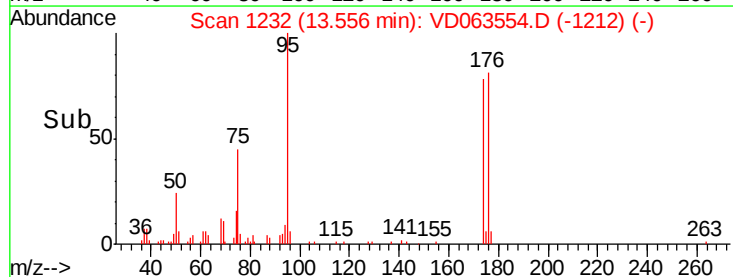
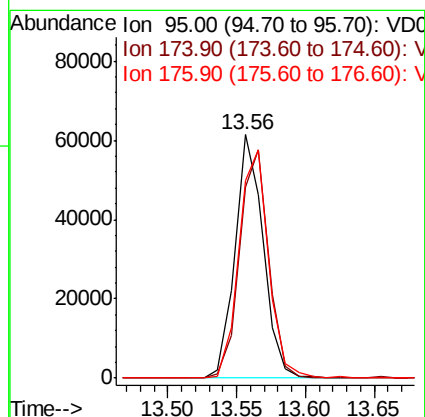
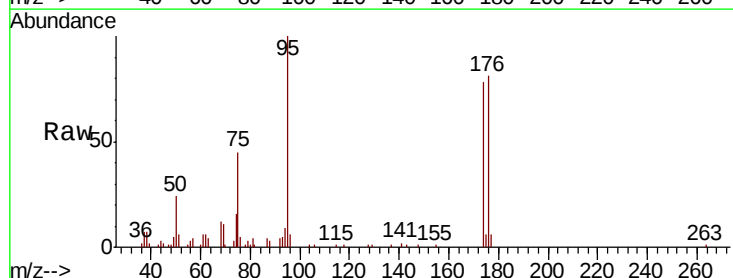
Instrument :
MSVOA_D
ClientSampleId :

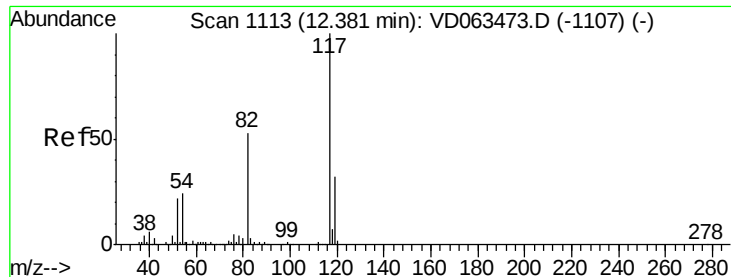
Tot Ion: 98 Resp: 23357
Ion Ratio Lower Upper
98 100
100 71.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 30.057 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063554.D
Acq: 14 Aug 2019 5:17

Tgt Ion: 95 Resp: 87190
Ion Ratio Lower Upper
95 100
174 78.4 0.0 155.4
176 81.1 0.0 152.4

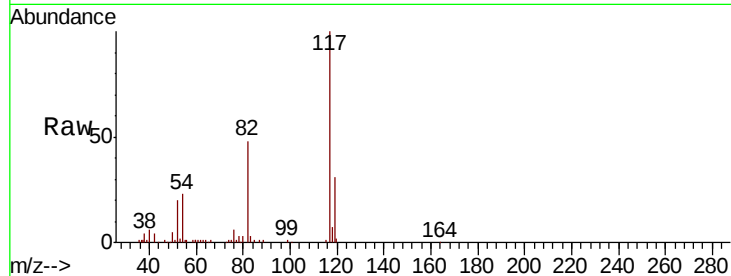




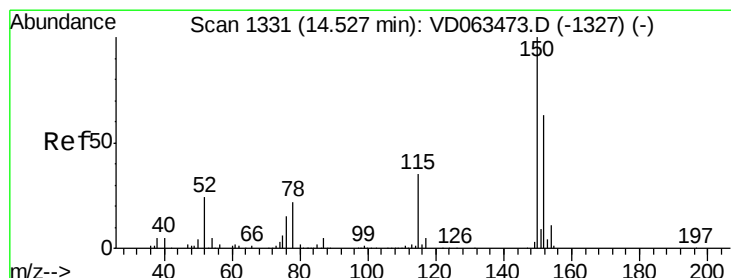
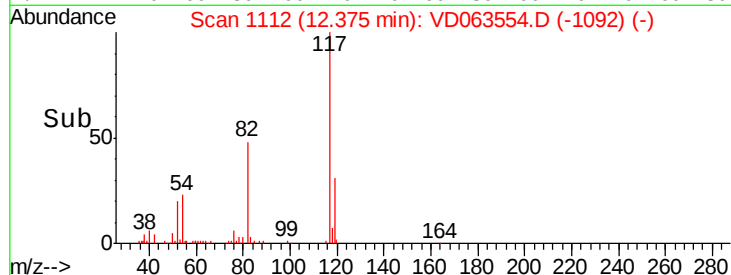
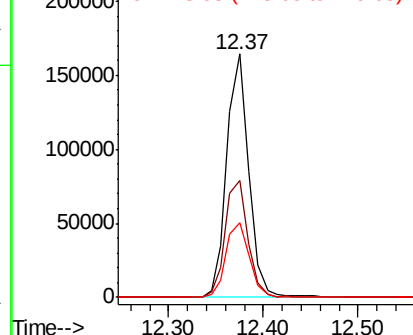
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063554.D
Acq: 14 Aug 2019 5:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.8	42.0	63.0
119	30.5	25.4	38.0

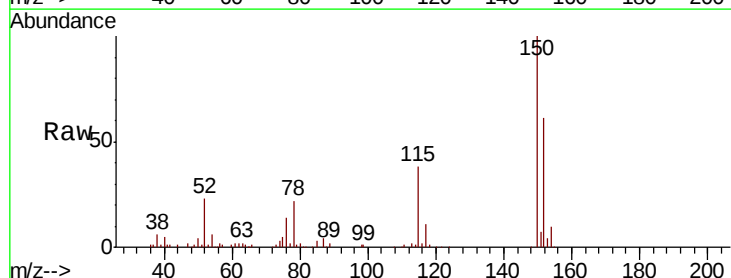


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

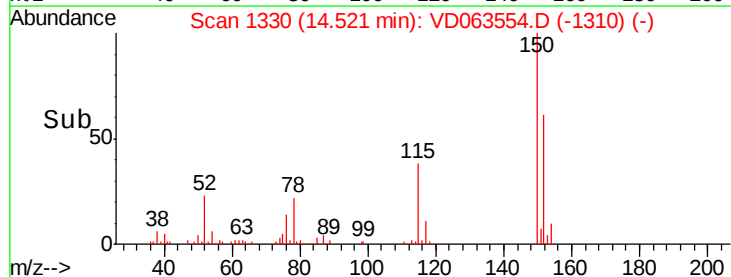
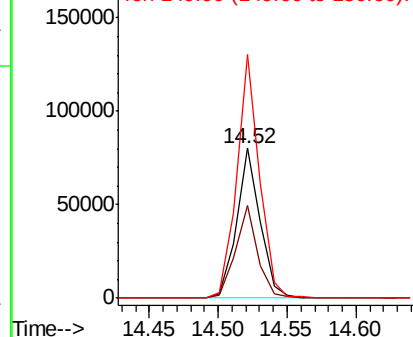


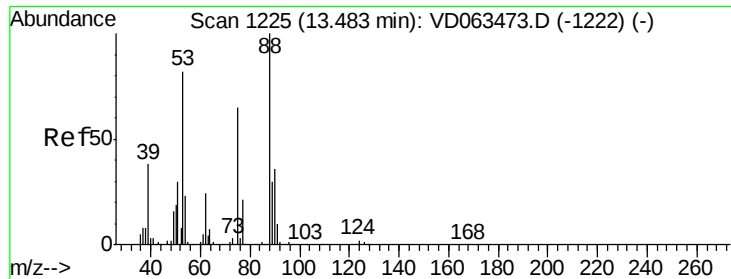
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063554.D
Acq: 14 Aug 2019 5:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	30.9	92.7
150	162.6	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: 132.016 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063554.D

Acq: 14 Aug 2019 5:17

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 38659

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#

