

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063586.D
 Acq On : 14 Aug 2019 20:47
 Operator : JC/SY
 Sample : K4290-05RE
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 12:02:39 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	913372	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1258581	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1099401	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	557495	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	404078	41.39	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.78%	
35) Dibromofluoromethane	6.93	113	461572	43.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.10%	
50) Toluene-d8	10.41	98	942759	40.45	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	80.90%	
62) 4-Bromofluorobenzene	13.56	95	431808	40.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.76%	

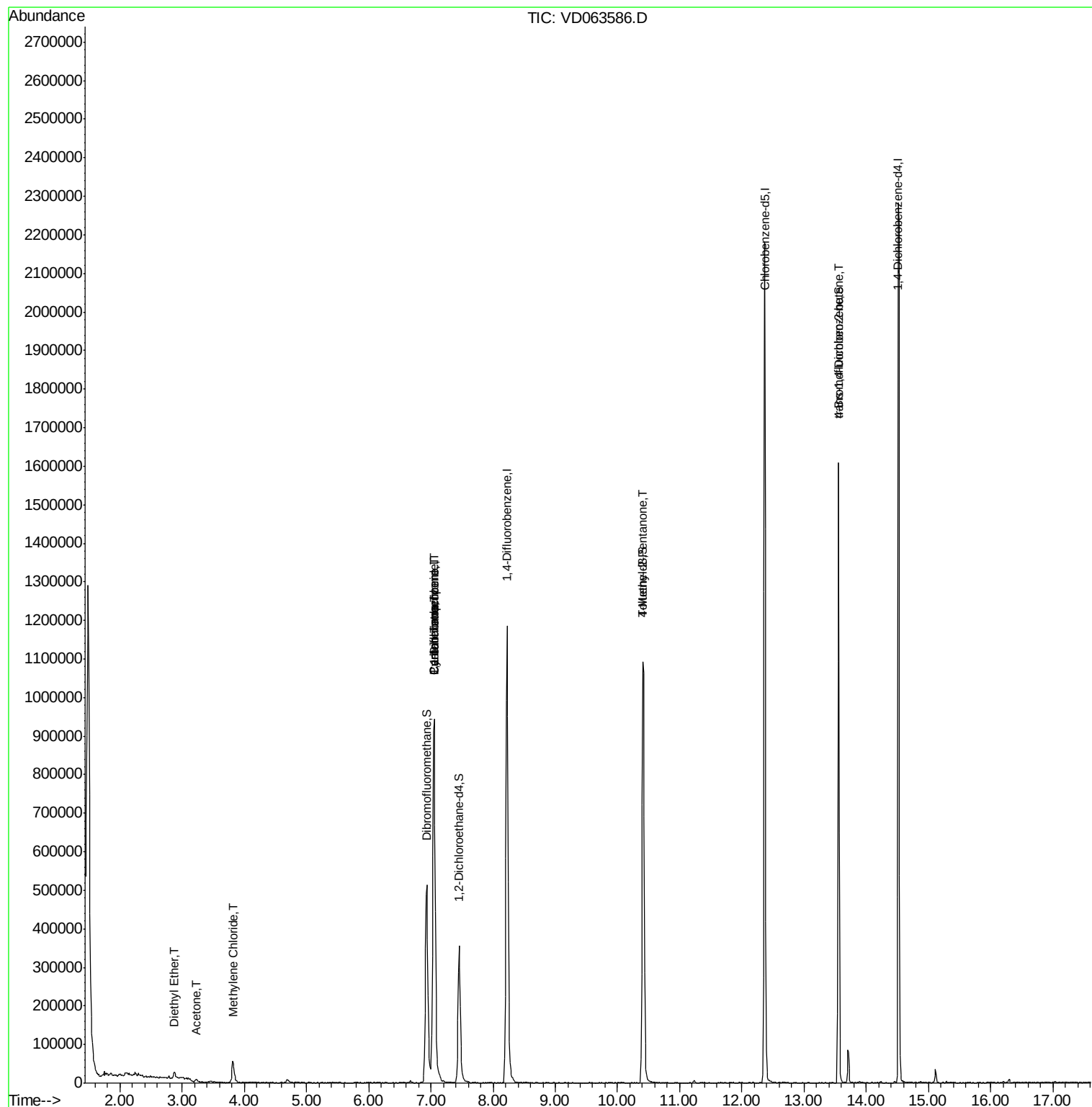
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.87	74	5222	2.200	ug/l #	41
16) Acetone	3.22	43	12291	6.193	ug/l #	65
20) Methylene Chloride	3.81	84	32031	3.732	ug/l	97
31) Cyclohexane	7.04	56	18993	2.155	ug/l #	21
36) 1,1-Dichloropropene	7.04	75	64967	5.839	ug/l #	49
38) Carbon Tetrachloride	7.04	117	87882	5.241	ug/l #	16
51) 4-Methyl-2-Pentanone	10.42	43	5679	1.329	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	196967	114.538	ug/l #	1

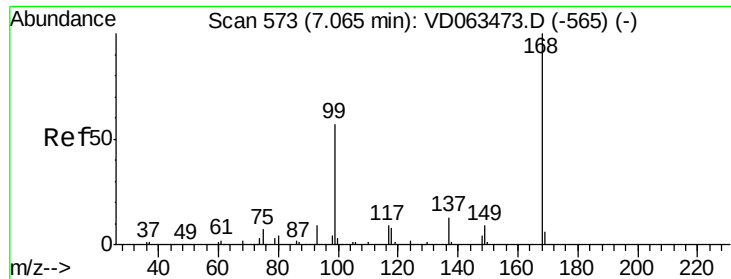
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063586.D

Acq: 14 Aug 2019 20:47

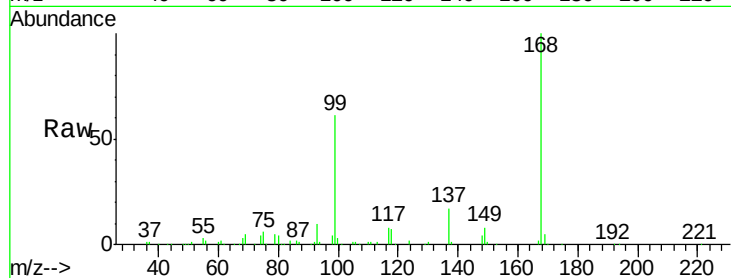
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 913372

Ion Ratio Lower Upper

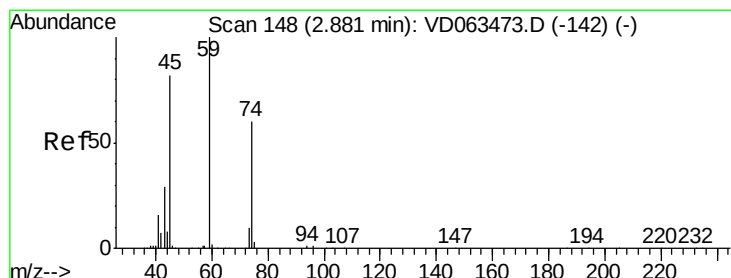
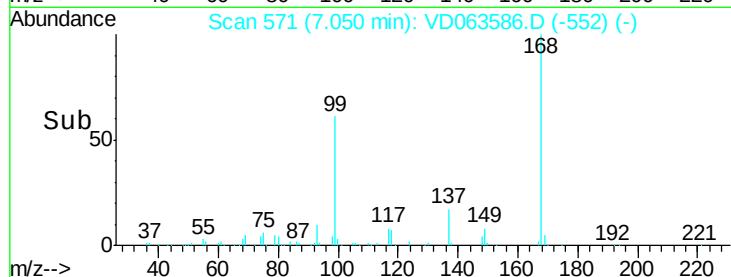
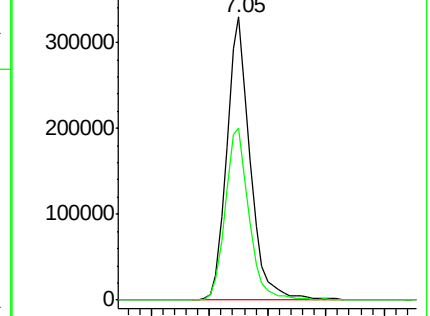
168 100

99 60.7 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: 2.200 ug/l

RT: 2.87 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD063586.D

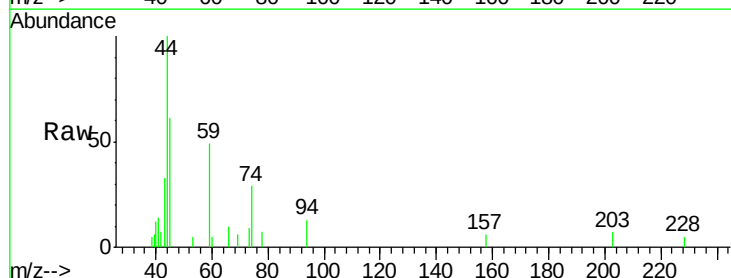
Acq: 14 Aug 2019 20:47

Tgt Ion: 74 Resp: 5222

Ion Ratio Lower Upper

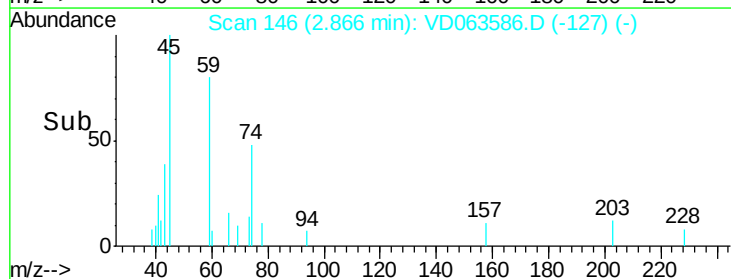
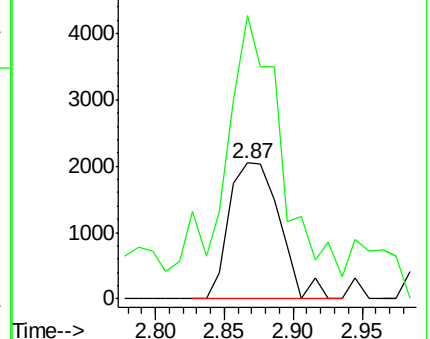
74 100

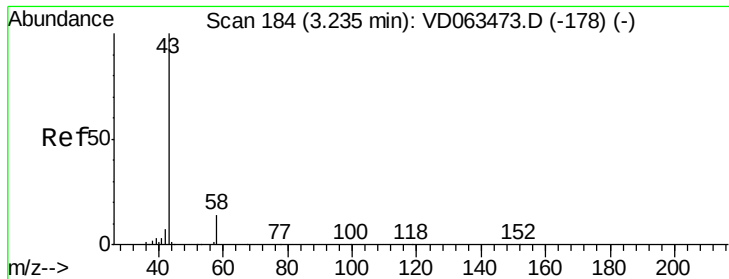
45 208.1 68.5 205.5#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

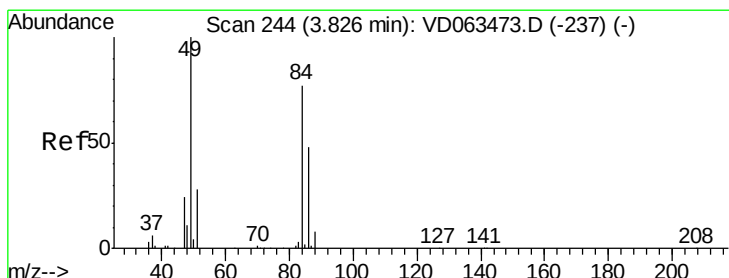
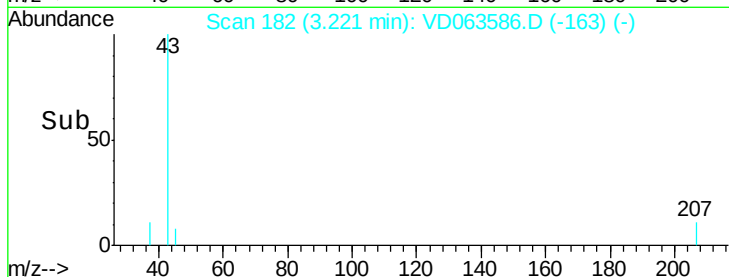
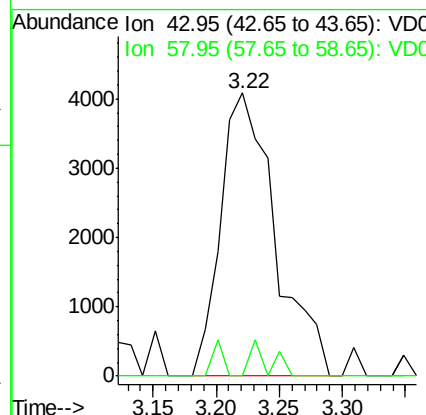
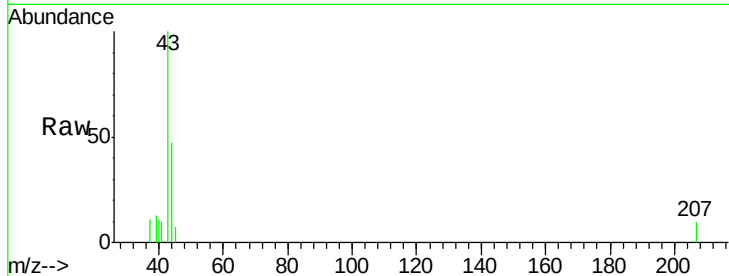




#16
Acetone
Concen: 6.193 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD063586.D
Acq: 14 Aug 2019 20:47

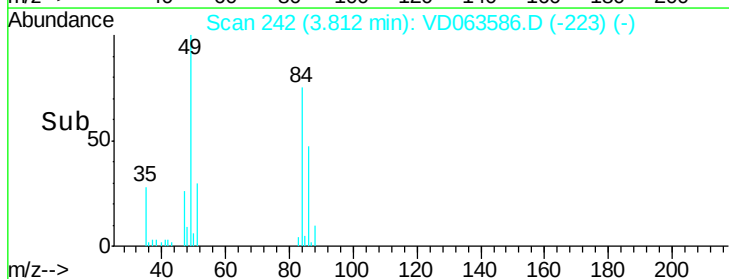
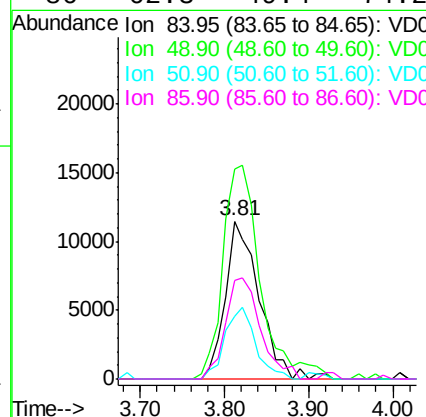
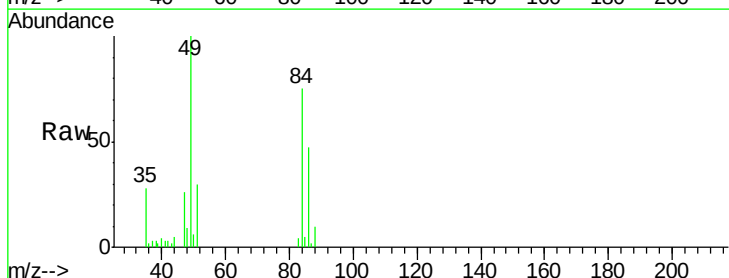
Instrument :
MSVOA_D
ClientSampleId :

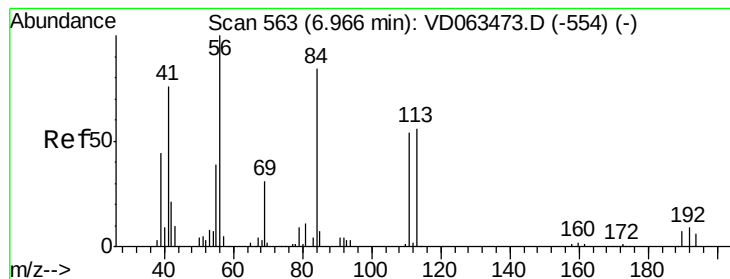
Tot Ion: 43 Resp: 12291
Ion Ratio Lower Upper
43 100
58 0.0 11.4 17.2#



#20
Methylene Chloride
Concen: 3.732 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063586.D
Acq: 14 Aug 2019 20:47

Tgt Ion: 84 Resp: 32031
Ion Ratio Lower Upper
84 100
49 132.5 103.4 155.2
51 39.7 28.5 42.7
86 62.3 49.4 74.2





#31

Cyclohexane

Concen: 2.155 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063586.D

Acq: 14 Aug 2019 20:47

Instrument :

MSVOA_D

ClientSampleId :

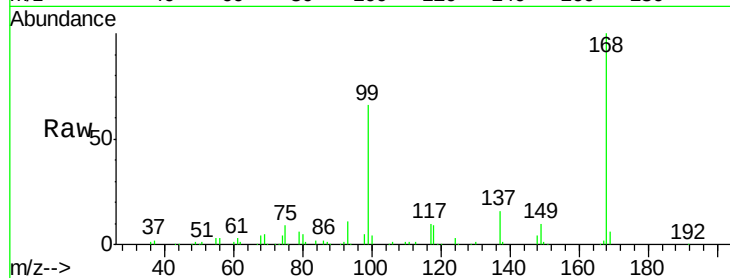
Tot Ion: 56 Resp: 18993

Ion Ratio Lower Upper

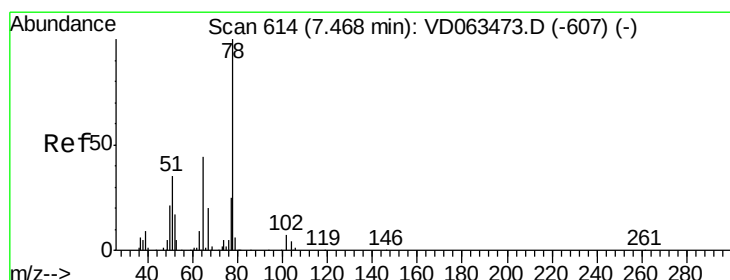
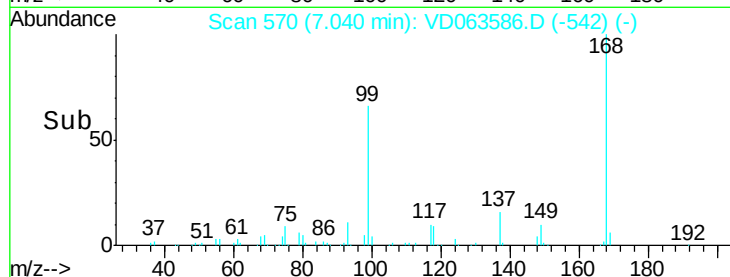
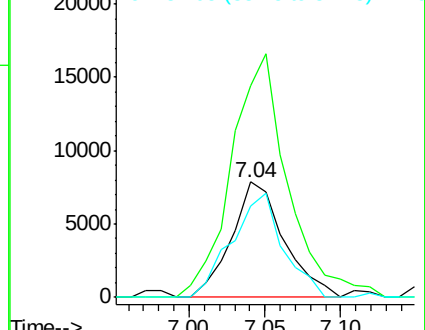
56 100

69 183.3 25.0 37.6#

84 78.9 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: 41.388 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063586.D

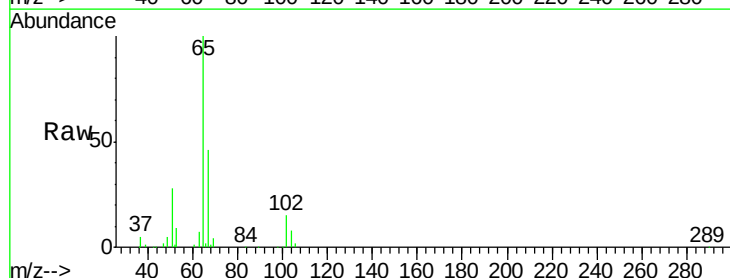
Acq: 14 Aug 2019 20:47

Tgt Ion: 65 Resp: 404078

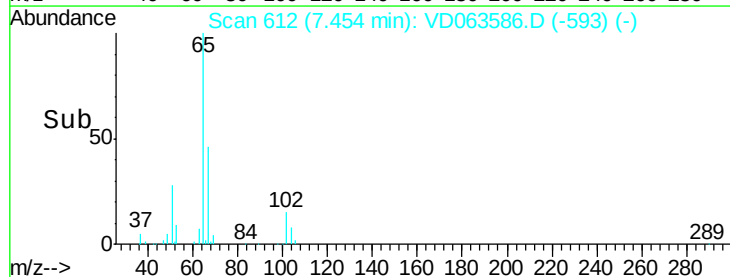
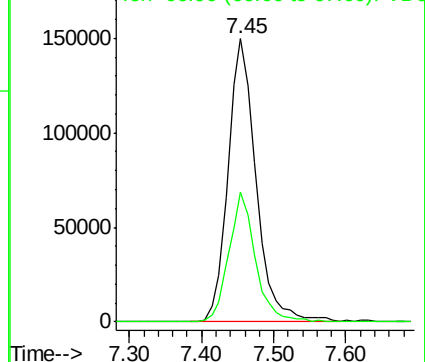
Ion Ratio Lower Upper

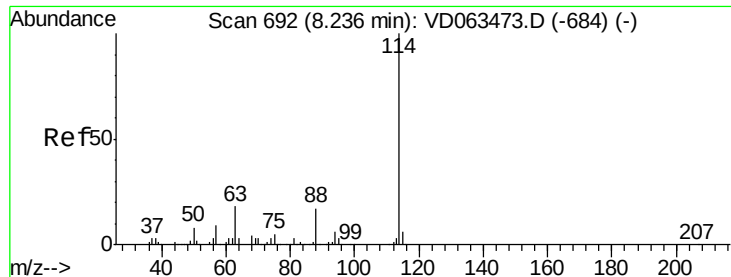
65 100

67 45.9 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: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD063586.D

Acq: 14 Aug 2019 20:47

Instrument :

MSVOA_D

ClientSampleId :

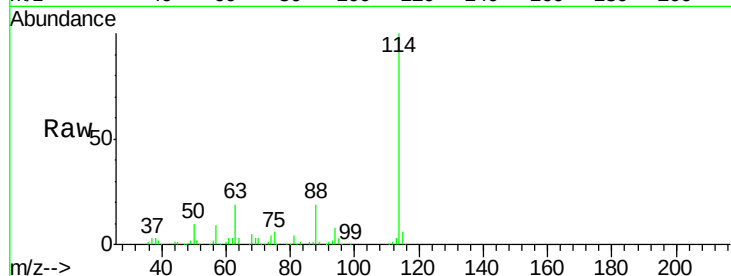
Tot Ion:114 Resp: 1258581

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.2

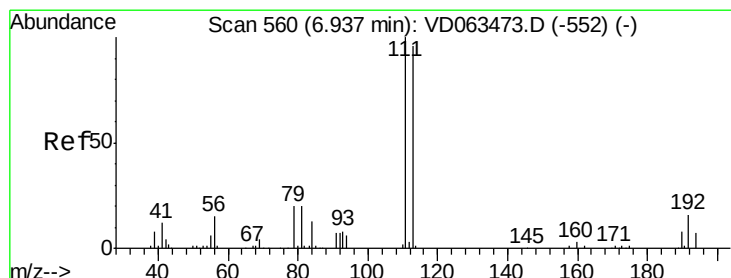
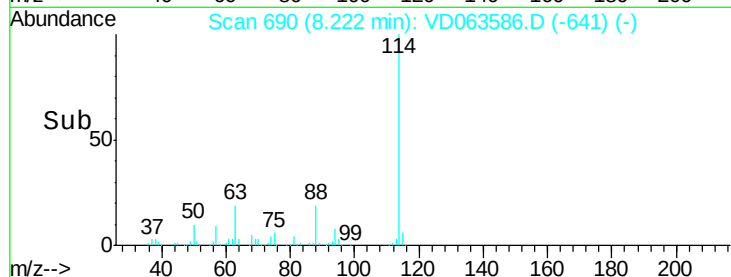
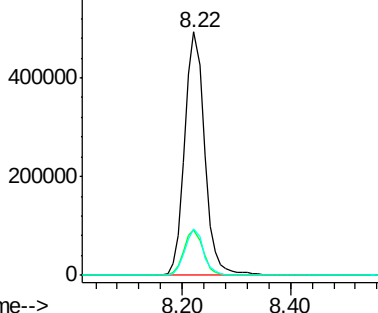
88 18.9 0.0 35.0



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: 43.545 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063586.D

Acq: 14 Aug 2019 20:47

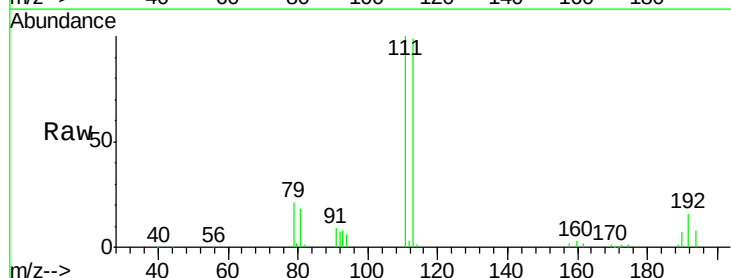
Tgt Ion:113 Resp: 461572

Ion Ratio Lower Upper

113 100

111 101.4 83.1 124.7

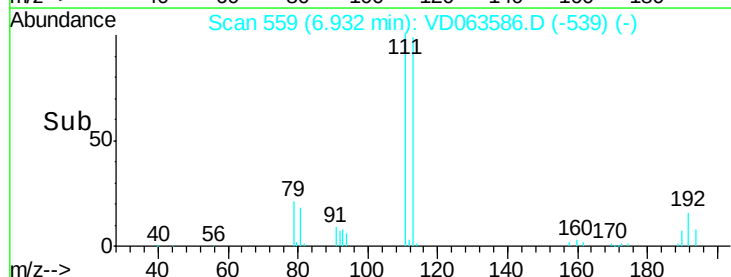
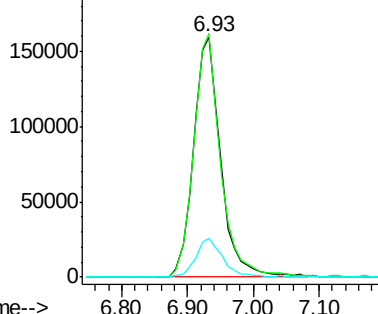
192 16.3 13.1 19.7

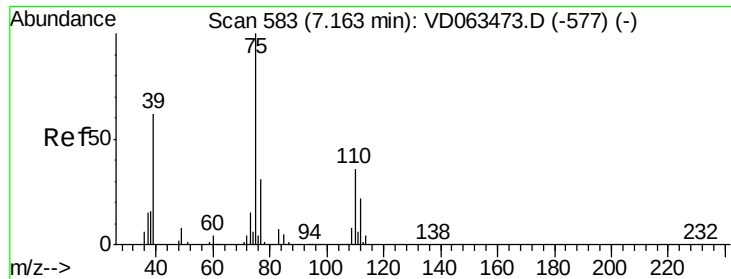


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

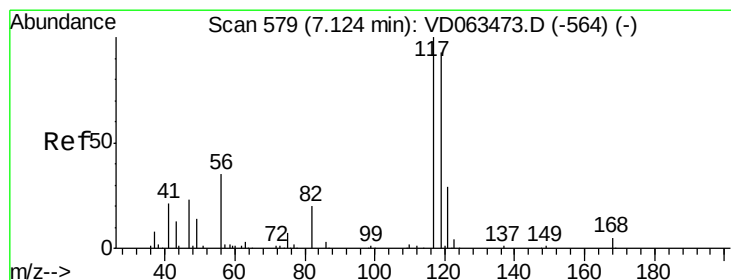
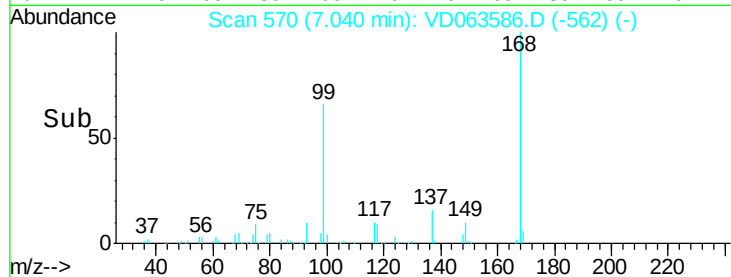
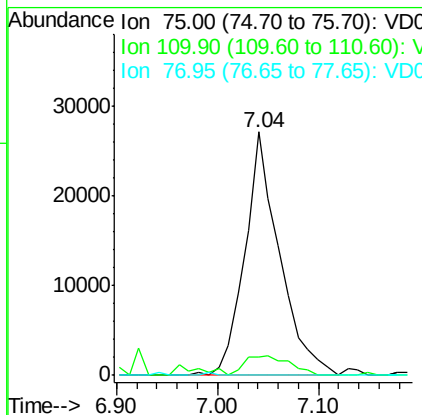
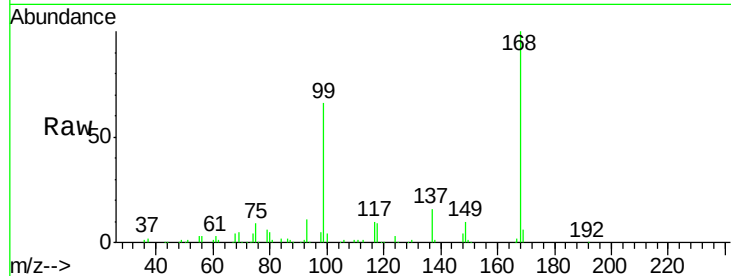




#36
 1,1-Dichloropropene
 Concen: 5.839 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD063586.D
 Acq: 14 Aug 2019 20:47

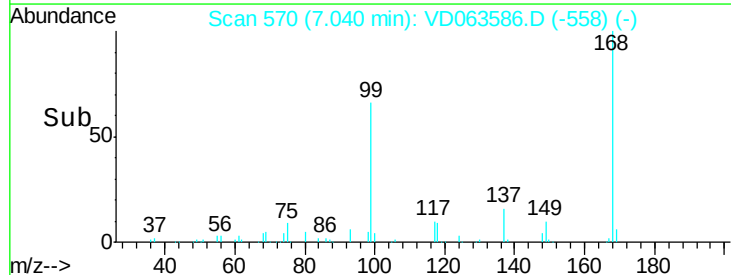
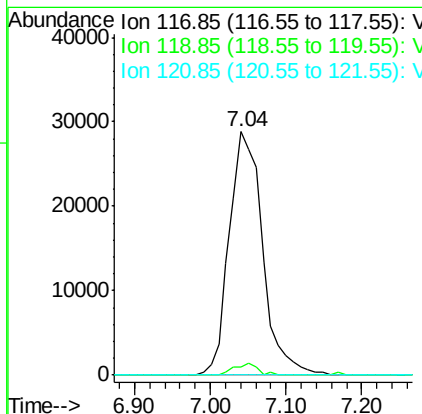
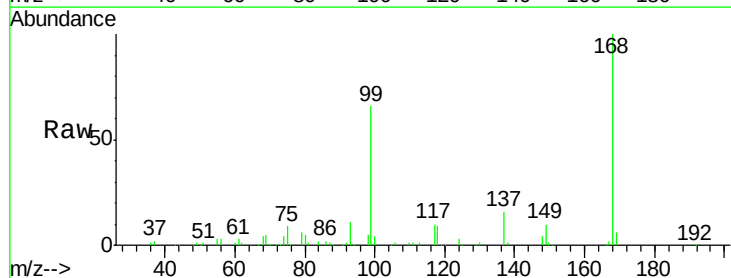
Instrument :
 MSVOA_D
 ClientSampled :

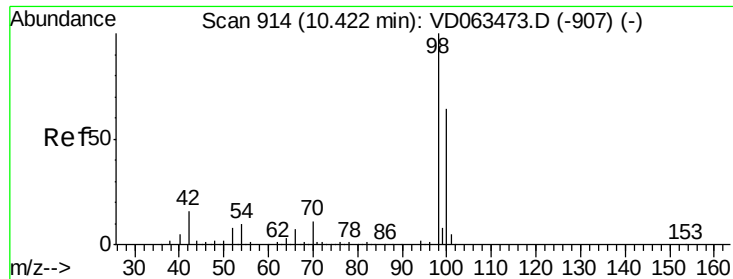
Tot Ion	75	Resp	64967
Ion Ratio	Lower	Upper	
75	100		
110	7.4	17.6	52.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.241 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD063586.D
 Acq: 14 Aug 2019 20:47

Tgt Ion	117	Resp	87882
Ion Ratio	Lower	Upper	
117	100		
119	3.2	74.2	111.2#
121	0.0	23.1	34.7#

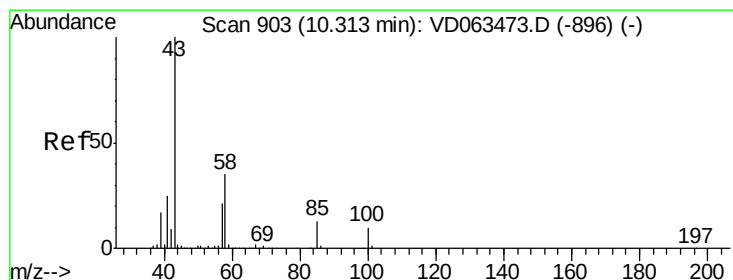
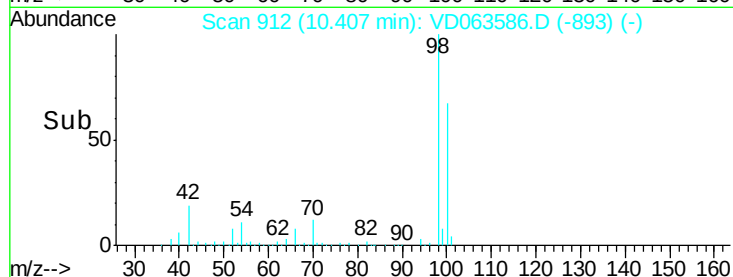
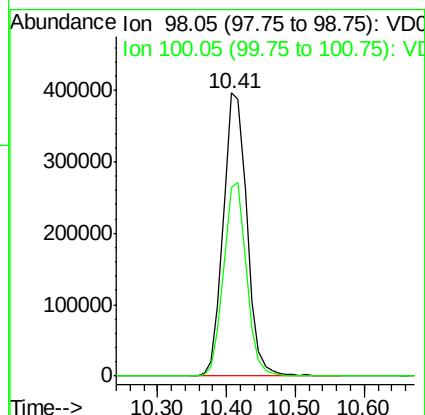
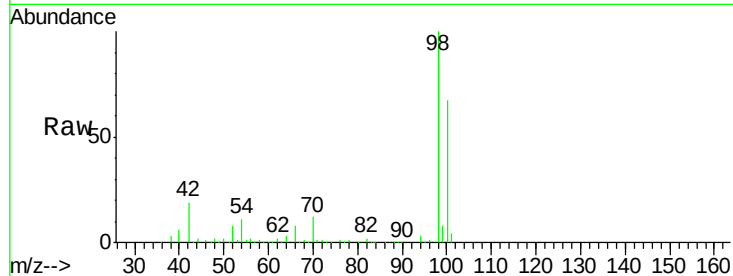




#50
Toluene-d8
Concen: 40.454 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063586.D
Acq: 14 Aug 2019 20:47

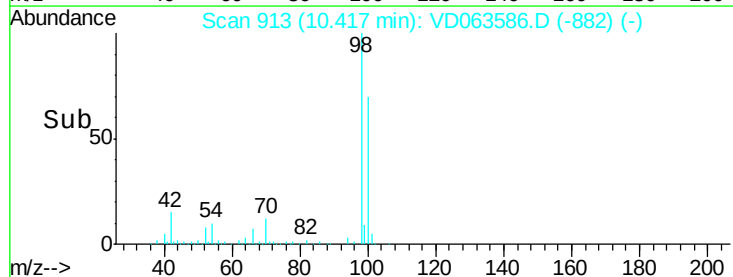
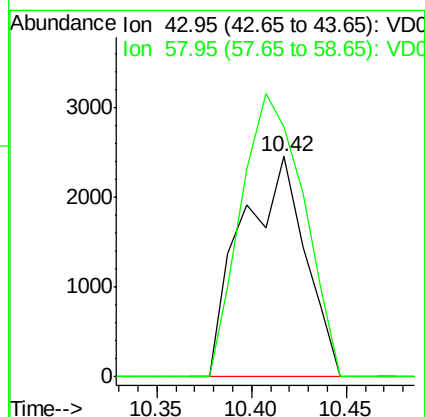
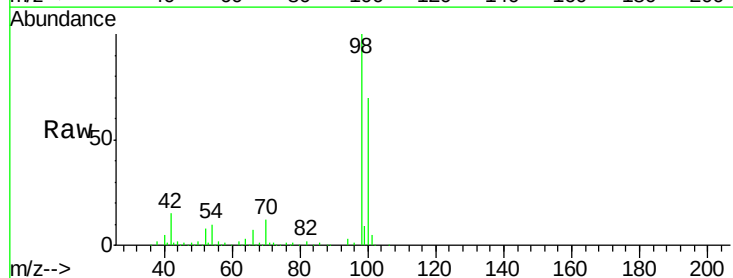
Instrument :
MSVOA_D
ClientSampled :

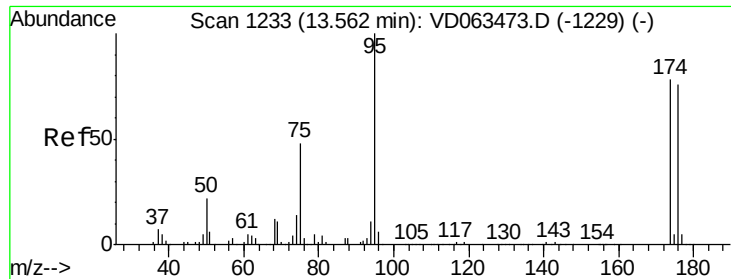
Tot Ion: 98 Resp: 942759
Ion Ratio Lower Upper
98 100
100 66.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.329 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.10 min
Lab File: VD063586.D
Acq: 14 Aug 2019 20:47

Tgt Ion: 43 Resp: 5679
Ion Ratio Lower Upper
43 100
58 113.8 28.0 42.0#

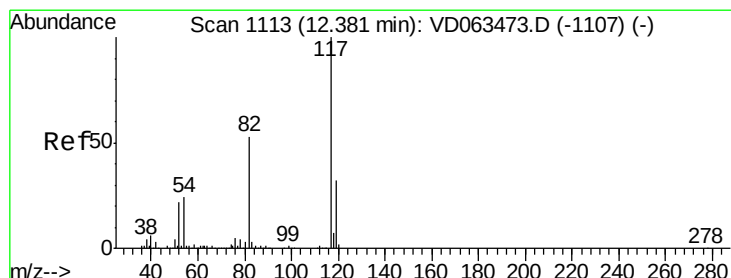
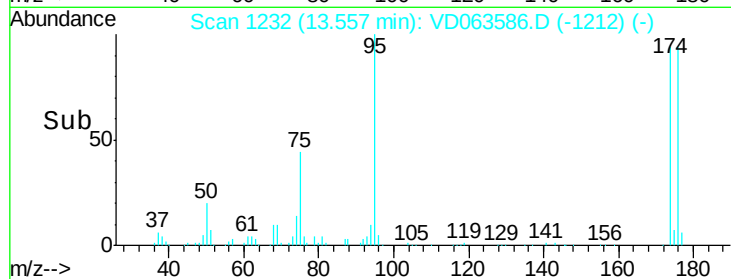
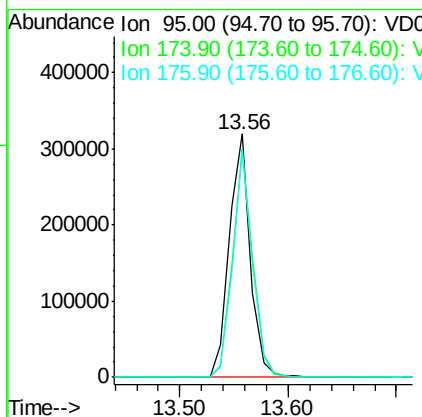
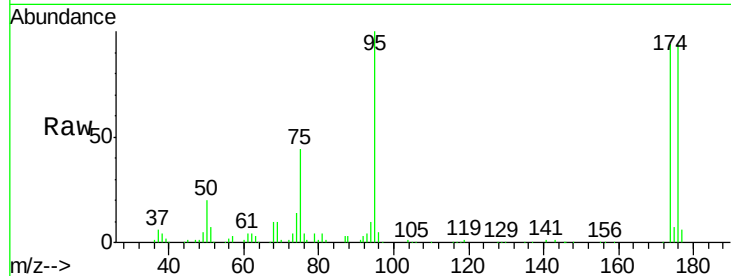




#62
4-Bromofluorobenzene
Concen: 40.881 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063586.D
Acq: 14 Aug 2019 20:47

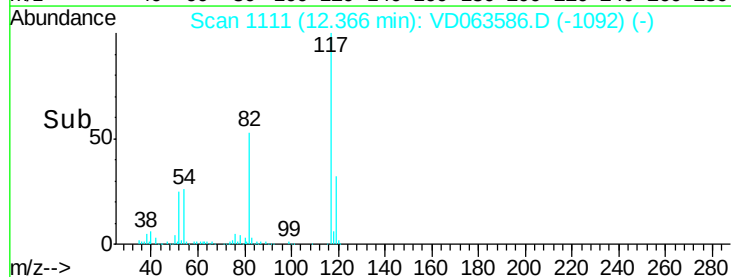
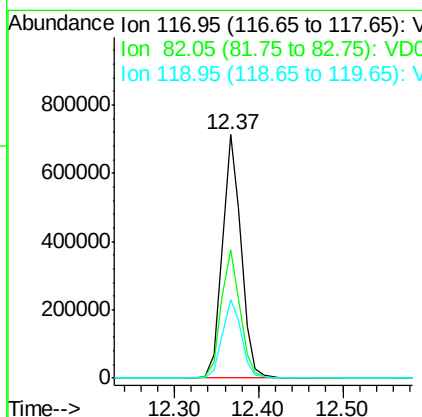
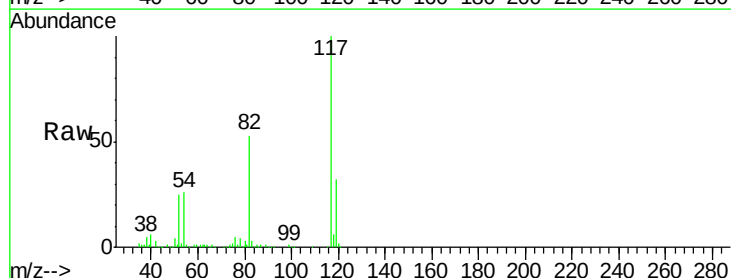
Instrument :
MSVOA_D
ClientSampled :

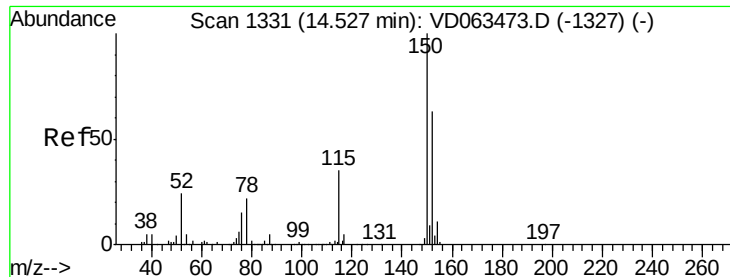
Tot Ion: 95 Resp: 431808
Ion Ratio Lower Upper
95 100
174 93.9 0.0 155.4
176 93.9 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063586.D
Acq: 14 Aug 2019 20:47

Tgt Ion: 117 Resp: 1099401
Ion Ratio Lower Upper
117 100
82 52.6 42.0 63.0
119 32.1 25.4 38.0

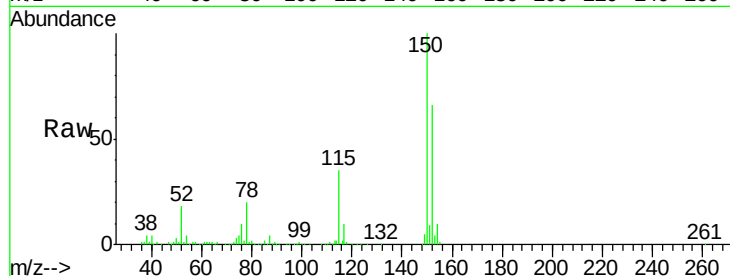




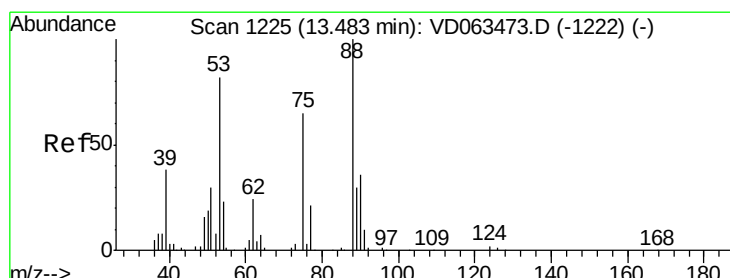
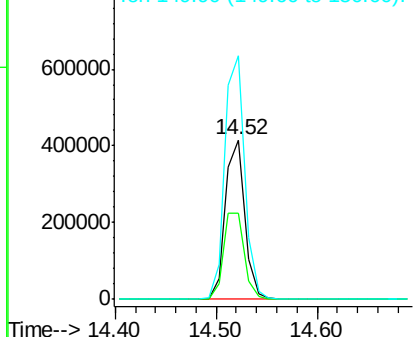
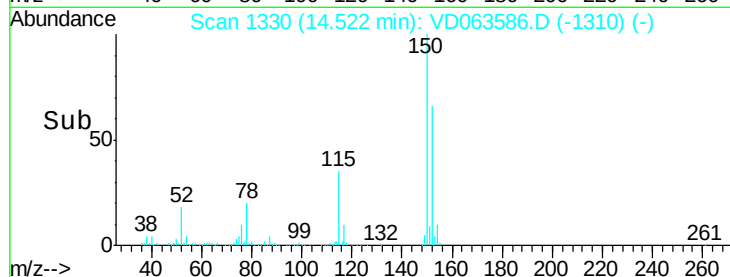
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD063586.D
 Acq: 14 Aug 2019 20:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 557495
 Ion Ratio Lower Upper
 152 100
 115 53.9 30.9 92.7
 150 152.5 0.0 318.6

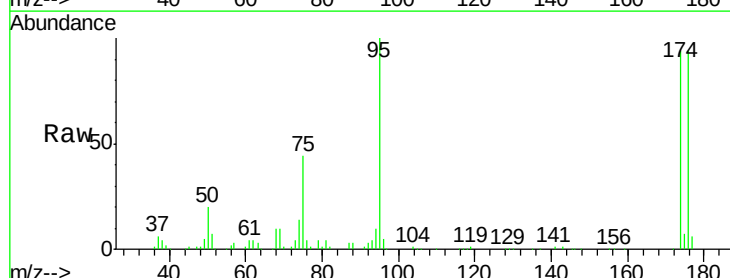


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.538 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063586.D
 Acq: 14 Aug 2019 20:47

Tgt Ion: 75 Resp: 196967
 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

