

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062943.D
 Acq On : 27 Jun 2019 20:33
 Operator : VA/AP
 Sample : K3528-09RE
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:23:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	544678	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	570276	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	256597	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	298139	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	323931	54.71	ug/l	-0.03
Spiked Amount			Recovery	=	109.42%	
35) Dibromofluoromethane	6.90	113	354742	73.77	ug/l	-0.03
Spiked Amount			Recovery	=	147.54%	
50) Toluene-d8	10.39	98	105403	10.07	ug/l	-0.02
Spiked Amount			Recovery	=	20.14%	
62) 4-Bromofluorobenzene	13.54	95	292757	61.52	ug/l	-0.01
Spiked Amount			Recovery	=	123.04%	

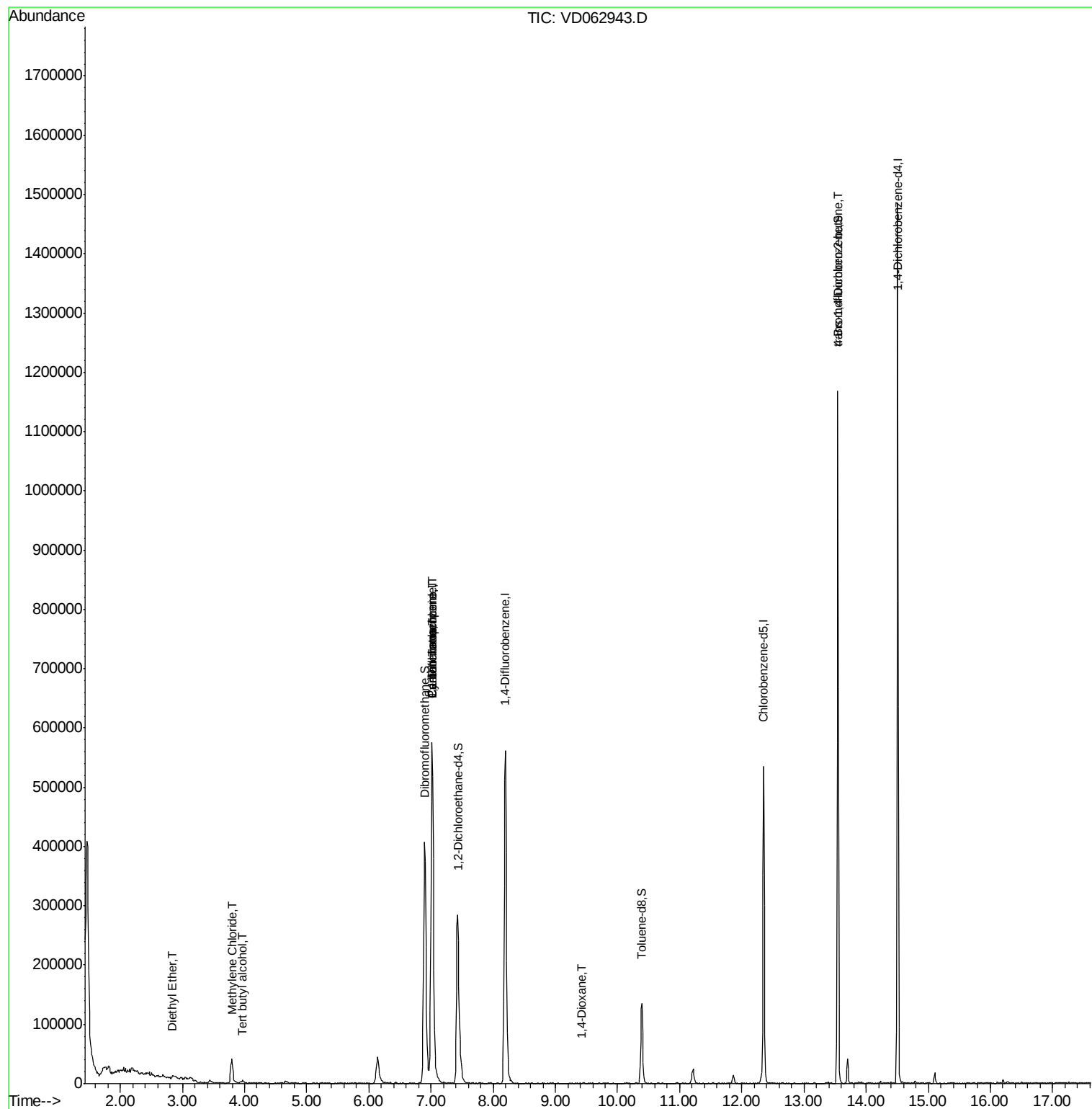
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.84	74	2134	1.579	ug/l #	35
11) Tert butyl alcohol	3.96	59	4690	17.393	ug/l #	77
16) Acetone	3.22	43	8362	Below Cal	#	64
20) Methylene Chloride	3.80	84	23460	5.196	ug/l	85
31) Cyclohexane	7.01	56	11928	2.145	ug/l #	14
36) 1,1-Dichloropropene	7.03	75	46107	8.541	ug/l #	54
38) Carbon Tetrachloride	7.02	117	57259	7.052	ug/l #	15
49) 1,4-Dioxane	9.42	88	233	13.925	ug/l #	29
81) trans-1,4-Dichloro-2-buten	13.54	75	147260	163.252	ug/l #	2

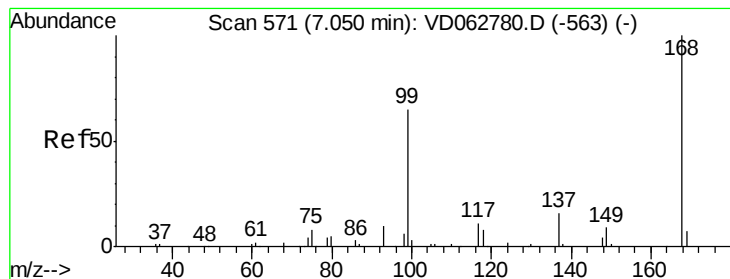
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
Data File : VD062943.D
Acq On : 27 Jun 2019 20:33
Operator : VA/AP
Sample : K3528-09RE
Misc : 5.06g/5ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 28 02:23:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062943.D

Acq: 27 Jun 2019 20:33

Instrument :

MSVOA_D

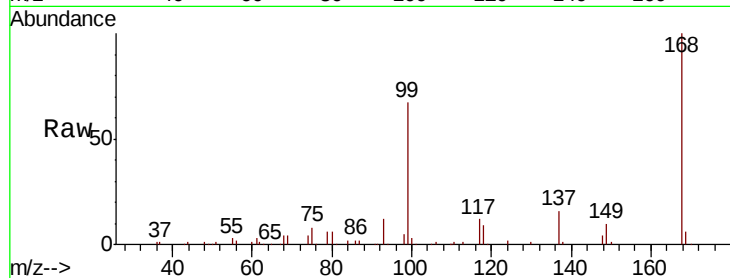
ClientSampleId :

Tot Ion:168 Resp: 544678

Ion Ratio Lower Upper

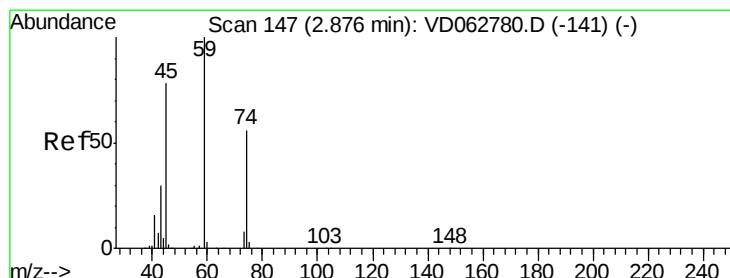
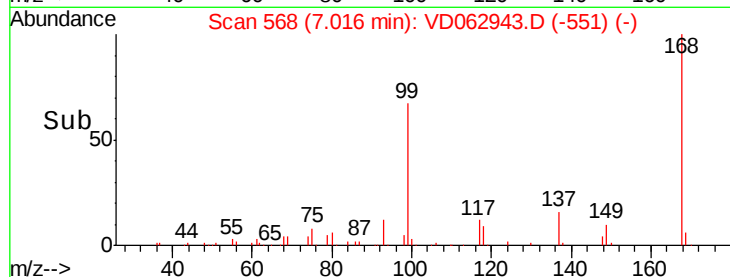
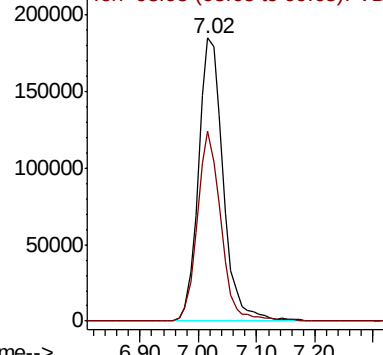
168 100

99 67.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.579 ug/l

RT: 2.84 min Scan# 144

Delta R.T. -0.03 min

Lab File: VD062943.D

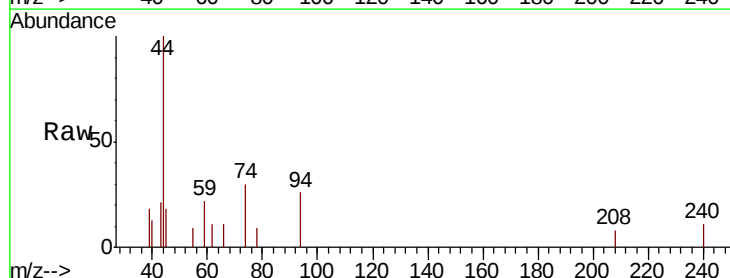
Acq: 27 Jun 2019 20:33

Tgt Ion: 74 Resp: 2134

Ion Ratio Lower Upper

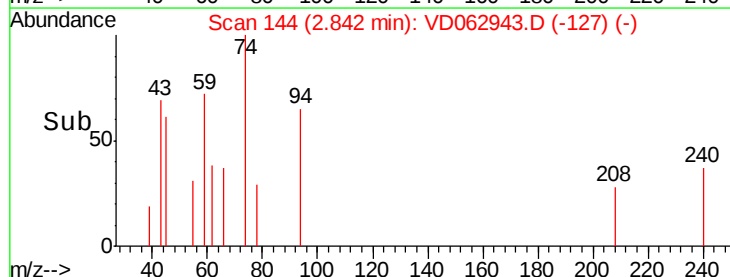
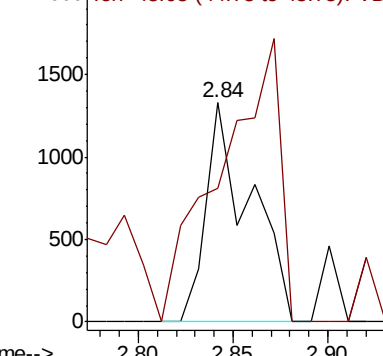
74 100

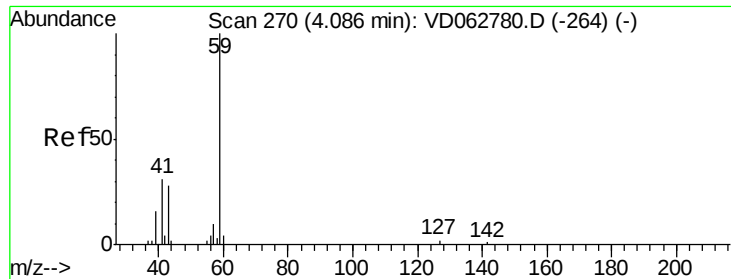
45 60.9 70.2 210.6#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

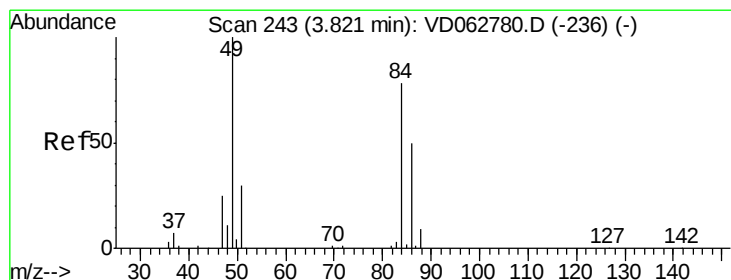
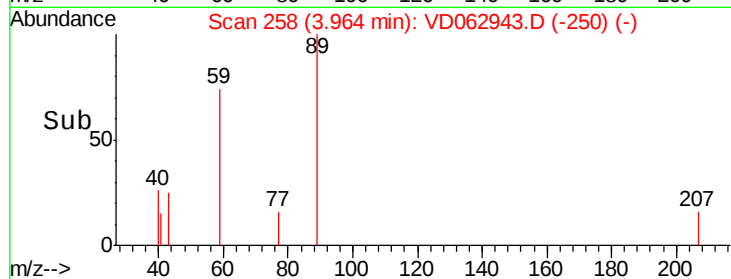
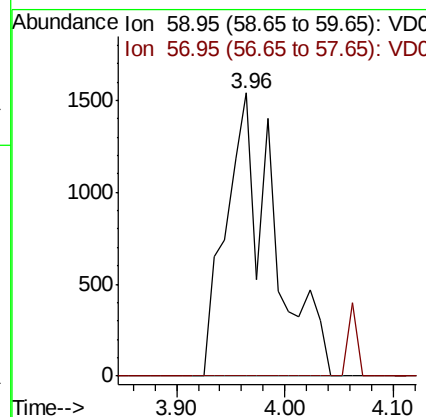
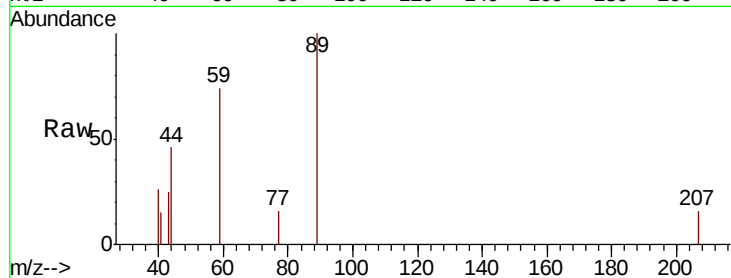




#11
Tert butyl alcohol
Concen: 17.393 ug/l
RT: 3.96 min Scan# 258
Delta R.T. -0.12 min
Lab File: VD062943.D
Acq: 27 Jun 2019 20:33

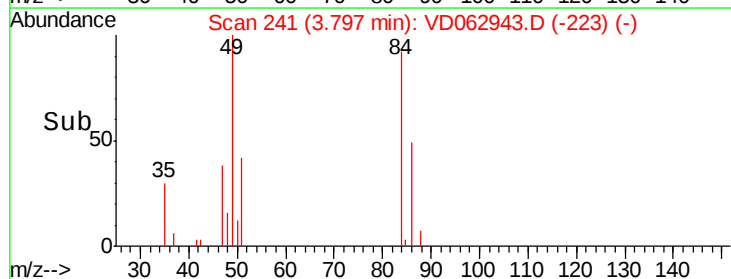
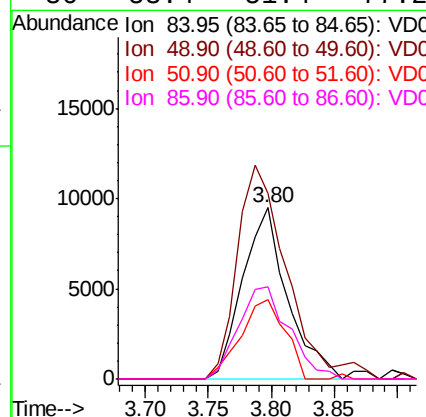
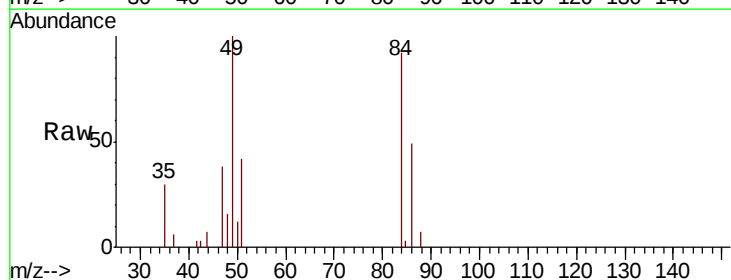
Instrument :
MSVOA_D
ClientSampled :

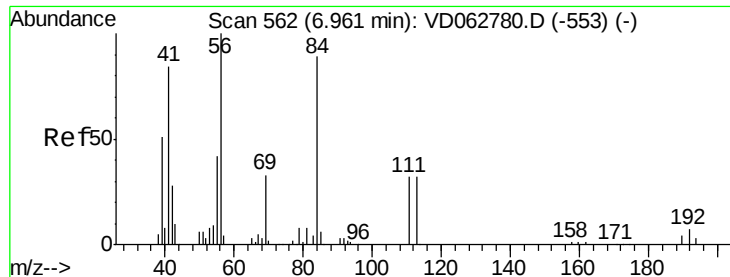
Tot Ion: 59 Resp: 4690
Ion Ratio Lower Upper
59 100
57 0.0 6.6 10.0#



#20
Methylene Chloride
Concen: 5.196 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD062943.D
Acq: 27 Jun 2019 20:33

Tgt Ion: 84 Resp: 23460
Ion Ratio Lower Upper
84 100
49 108.5 102.9 154.3
51 46.0 31.2 46.8
86 53.4 51.4 77.2

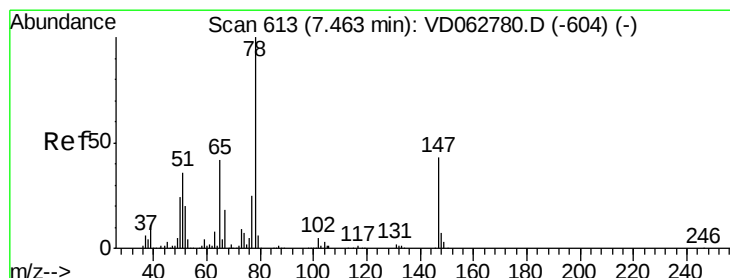
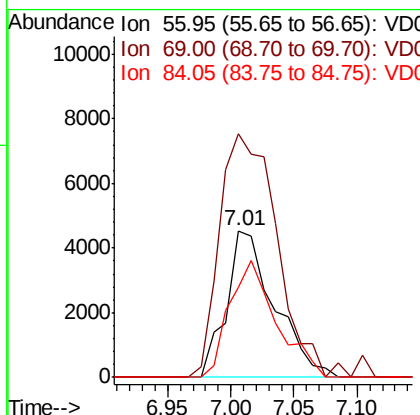
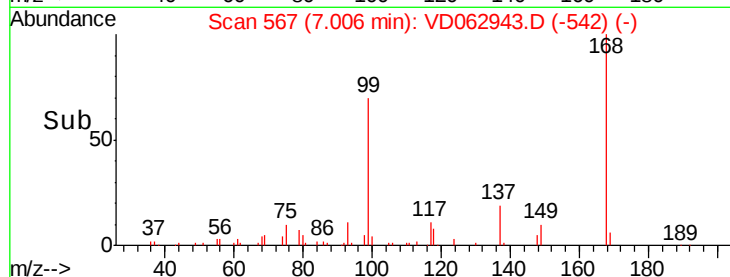
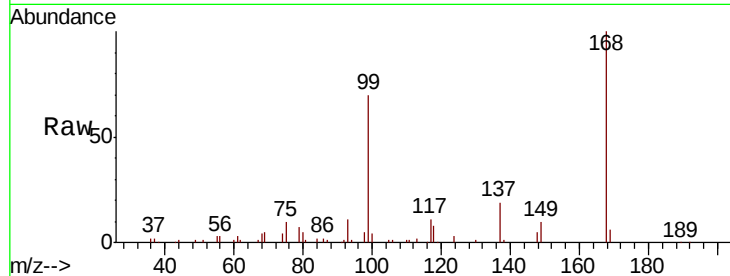




#31
Cyclohexane
Concen: 2.145 ug/l
RT: 7.01 min Scan# 567
Delta R.T. 0.05 min
Lab File: VD062943.D
Acq: 27 Jun 2019 20:33

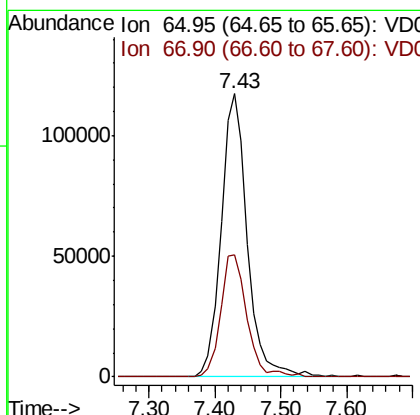
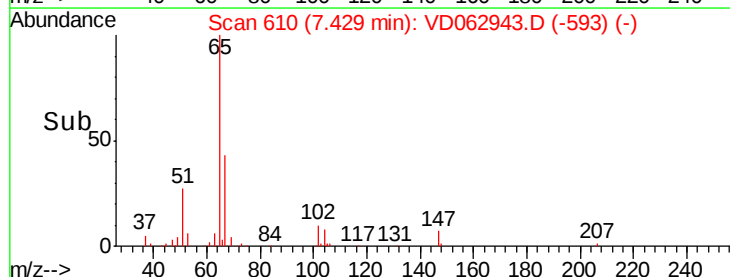
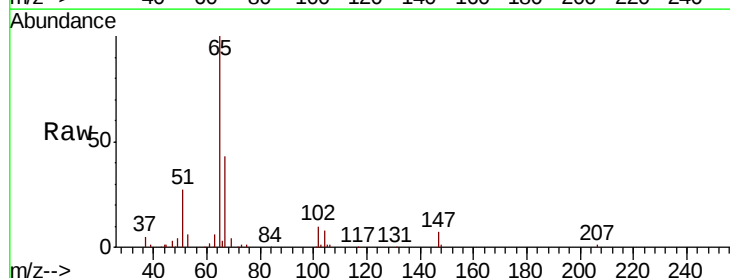
Instrument :
MSVOA_D
ClientSampled :

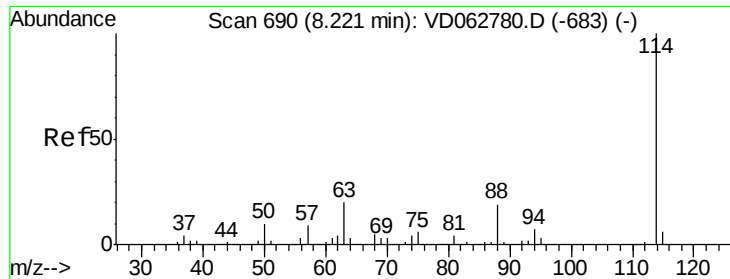
Tot Ion: 56 Resp: 11928
Ion Ratio Lower Upper
56 100
69 166.0 26.6 39.8#
84 61.6 75.5 113.3#



#33
1,2-Dichloroethane-d4
Concen: 54.713 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.03 min
Lab File: VD062943.D
Acq: 27 Jun 2019 20:33

Tgt Ion: 65 Resp: 323931
Ion Ratio Lower Upper
65 100
67 43.1 0.0 87.4

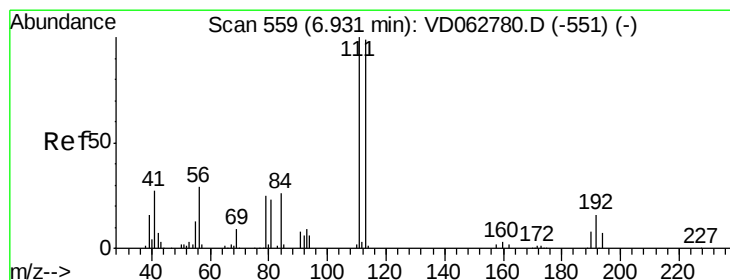
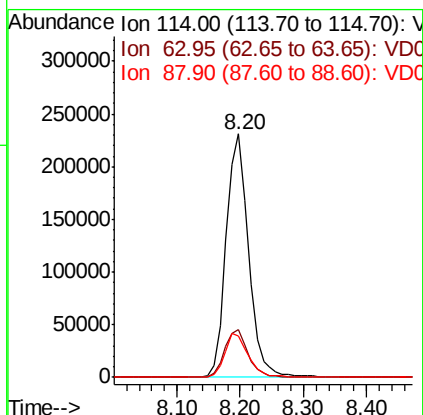
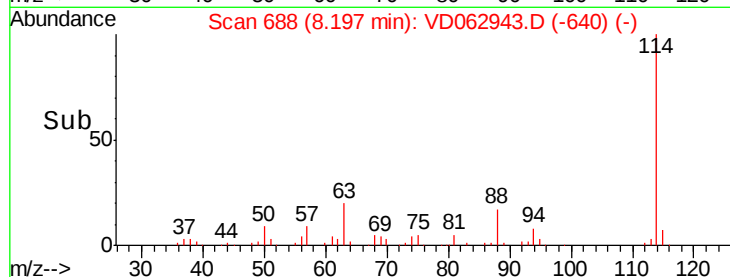
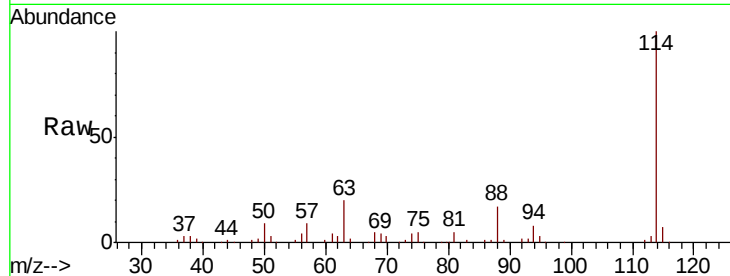




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VD062943.D
 Acq: 27 Jun 2019 20:33

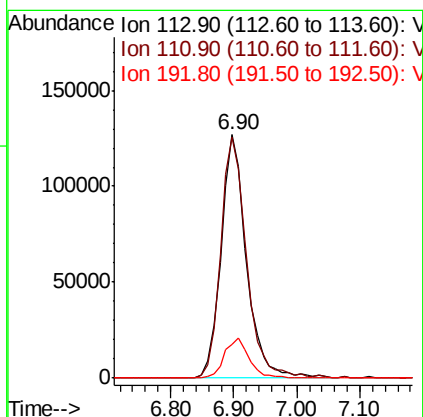
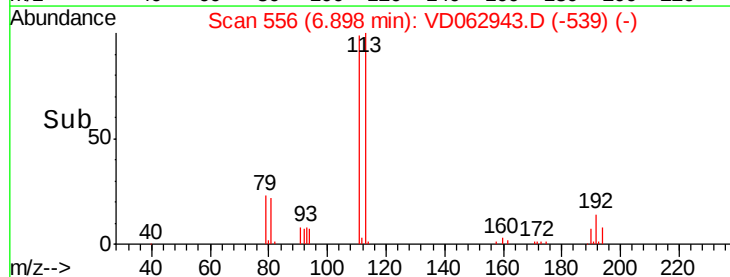
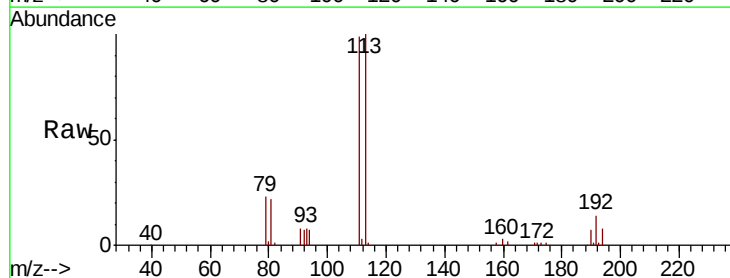
Instrument :
 MSVOA_D
 ClientSampleId :

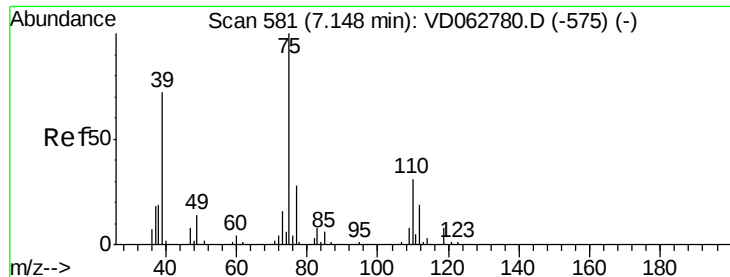
Tot Ion:	114	Resp:	570276
Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	16.9	0.0	38.8



#35
 Dibromofluoromethane
 Concen: 73.773 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062943.D
 Acq: 27 Jun 2019 20:33

Tgt Ion:	113	Resp:	354742
Ion	Ratio	Lower	Upper
113	100		
111	99.1	81.2	121.8
192	13.7	12.9	19.3





#36

1,1-Dichloropropene

Concen: 8.541 ug/l

RT: 7.03 min Scan# 569

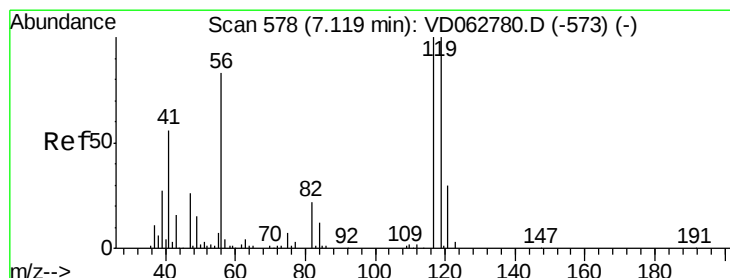
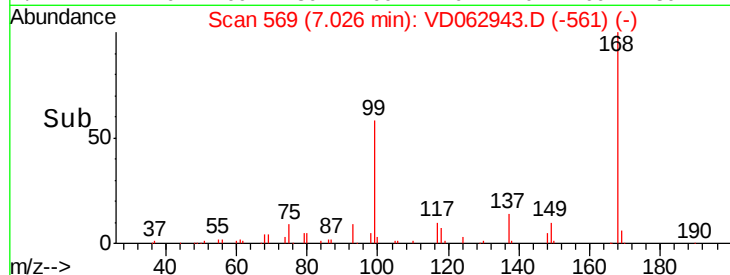
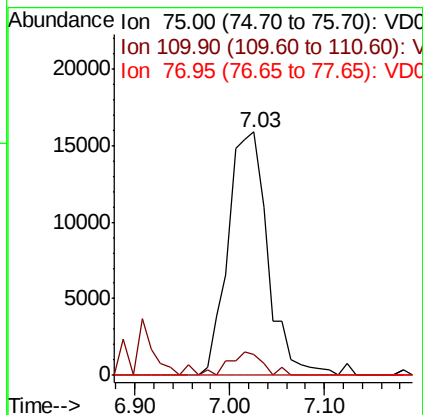
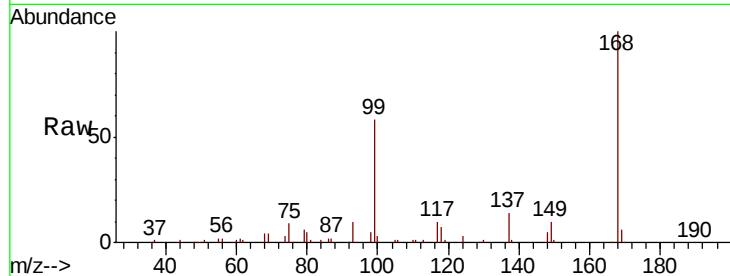
Delta R.T. -0.12 min

Lab File: VD062943.D

Acq: 27 Jun 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	75	Resp:	46107
Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.0	45.1#
77	0.0	22.2	33.2#



#38

Carbon Tetrachloride

Concen: 7.052 ug/l

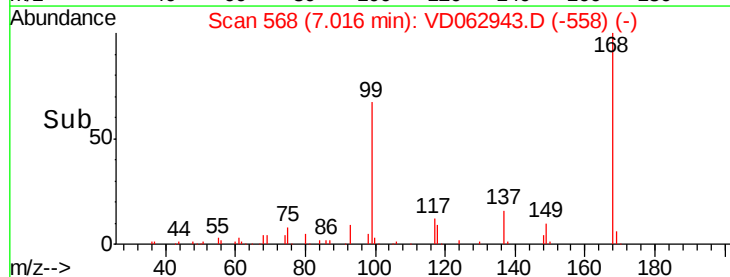
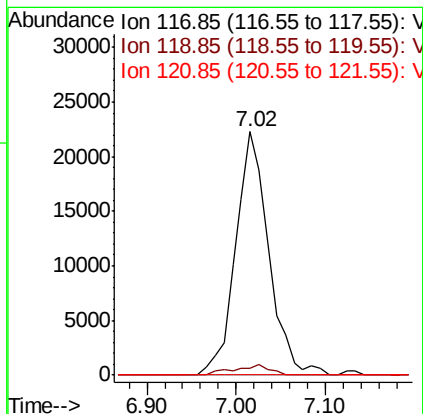
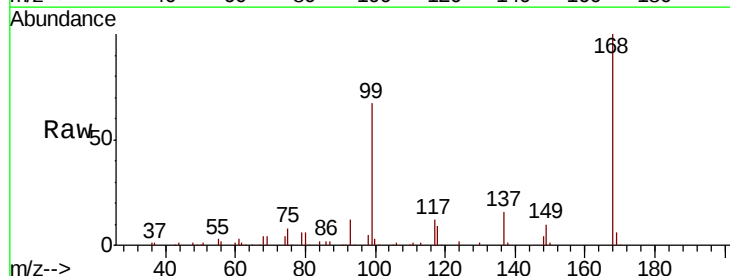
RT: 7.02 min Scan# 568

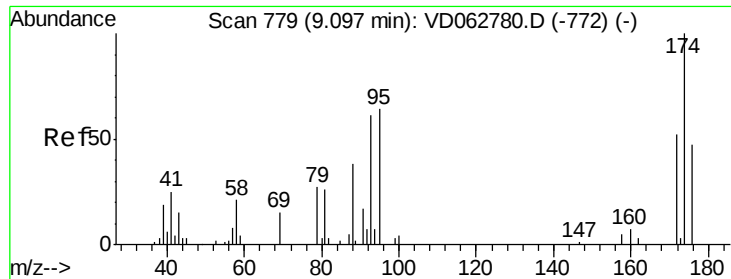
Delta R.T. -0.10 min

Lab File: VD062943.D

Acq: 27 Jun 2019 20:33

Tgt Ion:	117	Resp:	57259
Ion	Ratio	Lower	Upper
117	100		
119	2.8	75.4	113.2#
121	0.0	22.3	33.5#

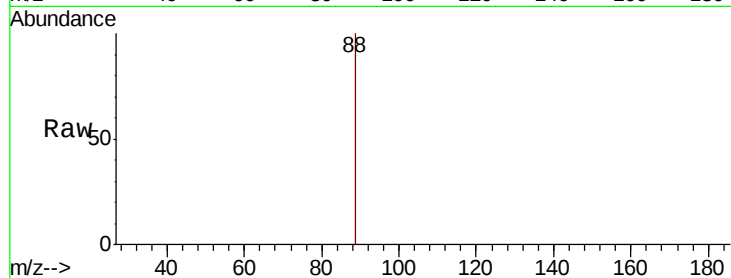




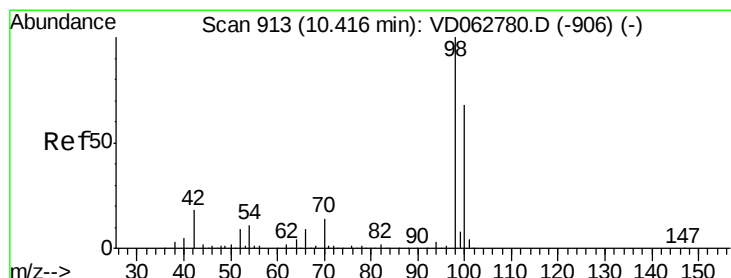
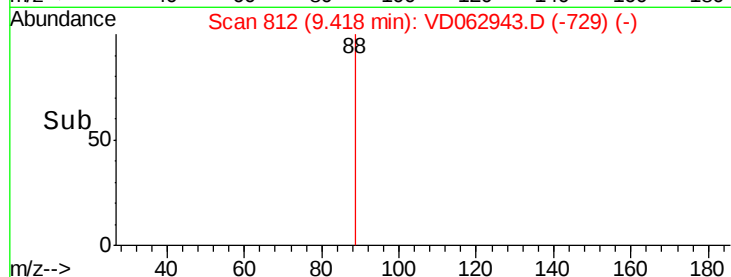
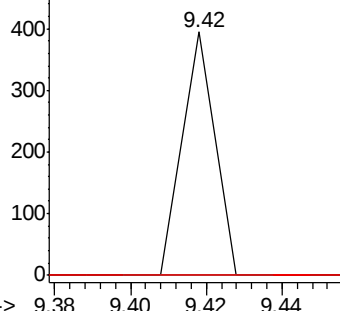
#49
1,4-Dioxane
Concen: 13.925 ug/l
RT: 9.42 min Scan# 812
Delta R.T. 0.32 min
Lab File: VD062943.D
Acq: 27 Jun 2019 20:33

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 233
Ion Ratio Lower Upper
88 100
43 0.0 32.1 48.1#
58 0.0 44.1 66.1#

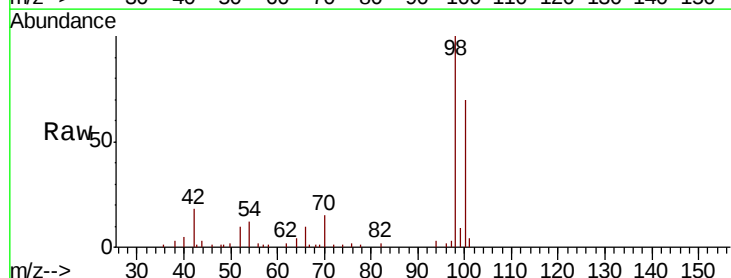


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

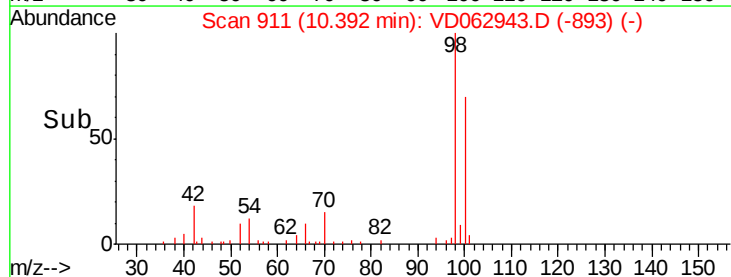
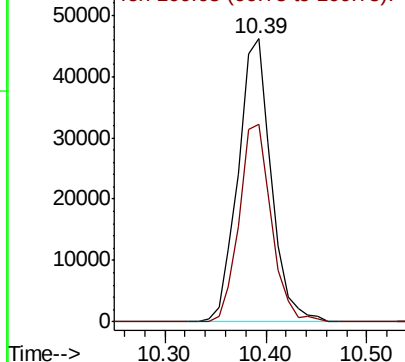


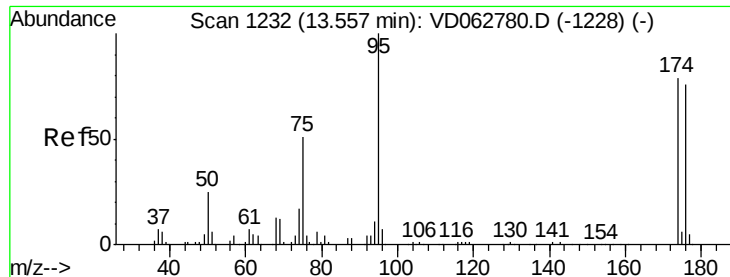
#50
Toluene-d8
Concen: 10.071 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062943.D
Acq: 27 Jun 2019 20:33

Tgt Ion: 98 Resp: 105403
Ion Ratio Lower Upper
98 100
100 70.0 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: 61.519 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062943.D

Acq: 27 Jun 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

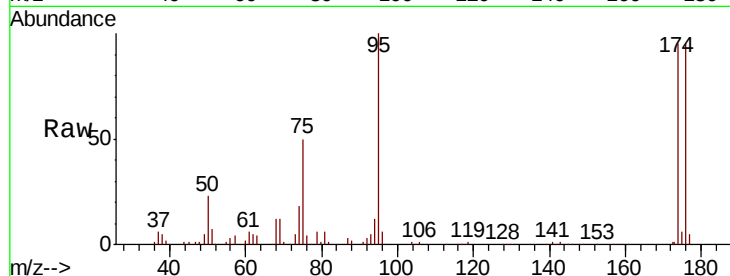
Tot Ion: 95 Resp: 292757

Ion Ratio Lower Upper

95 100

174 94.6 0.0 158.0

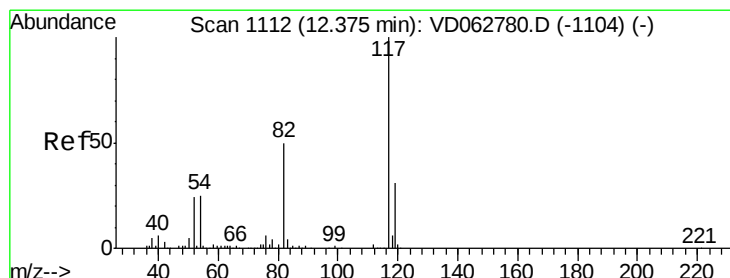
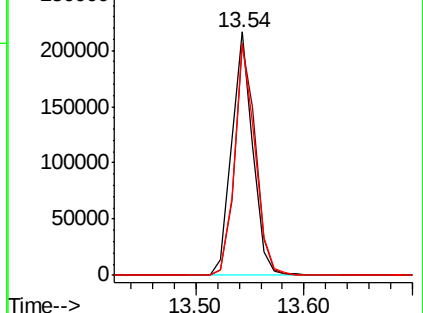
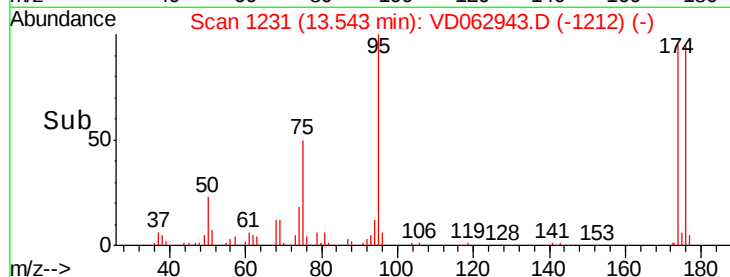
176 95.3 0.0 151.6



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: 12.35 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VD062943.D

Acq: 27 Jun 2019 20:33

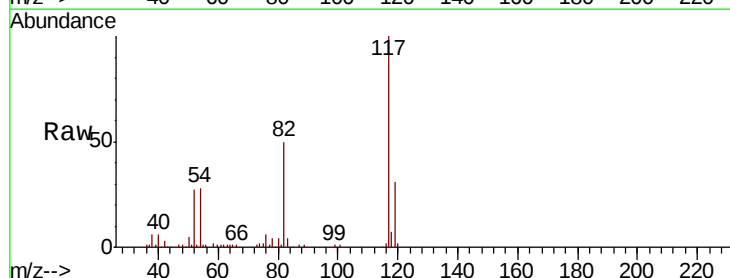
Tgt Ion: 117 Resp: 256597

Ion Ratio Lower Upper

117 100

82 50.1 40.4 60.6

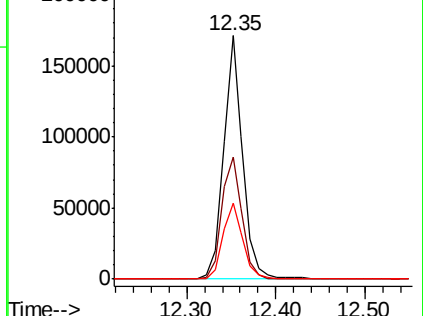
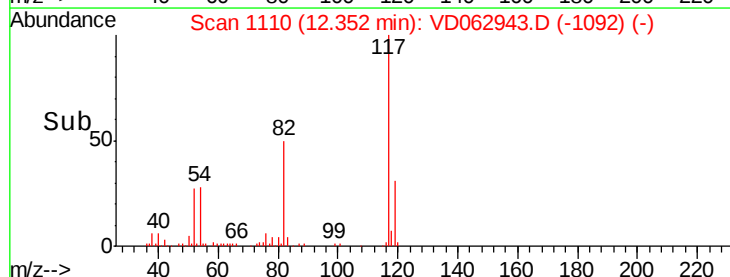
119 31.4 25.2 37.8

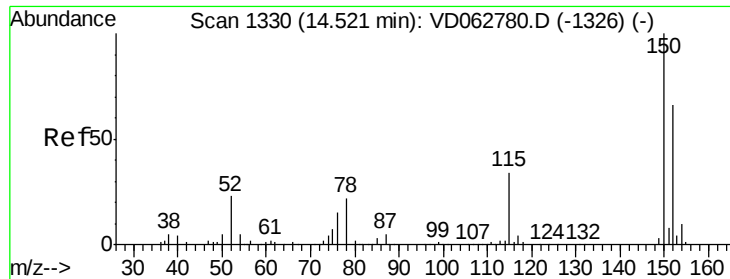


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



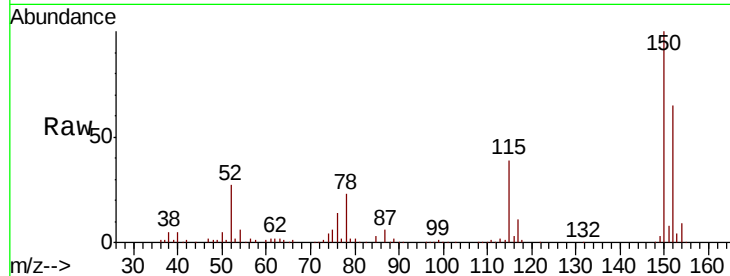


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062943.D
Acq: 27 Jun 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.2	87.6
150	152.9	0.0	305.8

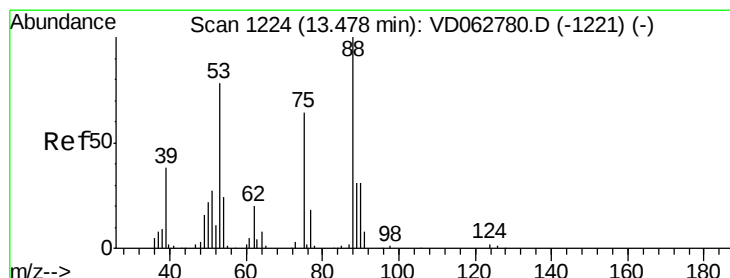
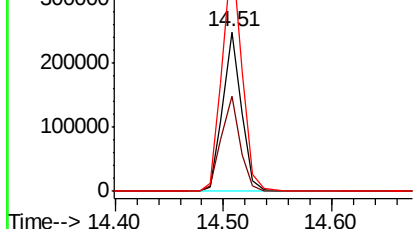
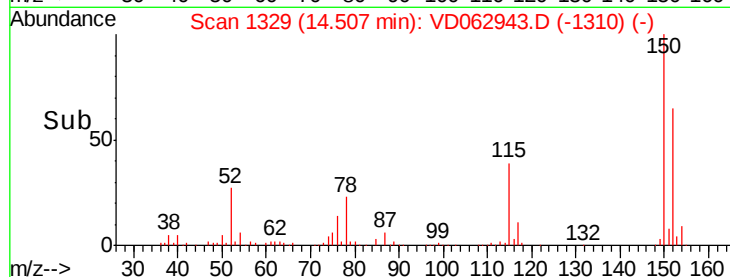


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

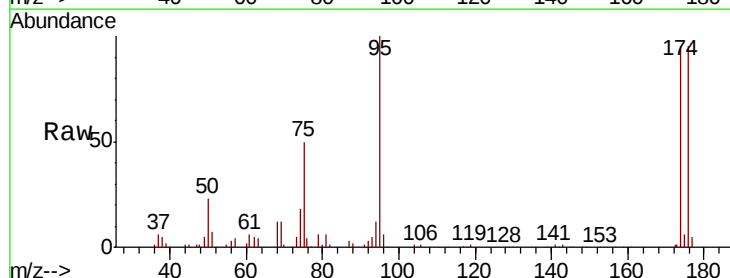
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 163.252 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062943.D
Acq: 27 Jun 2019 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	97.8	146.8#
89	0.0	39.4	59.2#



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

