

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082319\
 Data File : VD063762.D
 Acq On : 23 Aug 2019 13:22
 Operator : JC/SY
 Sample : K4477-01
 Misc : 6.08g/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1(1-3)

Quant Time: Aug 26 01:06:21 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	980905	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1343091	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1227295	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	620809	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	696033	66.38	ug/l	-0.03
Spiked Amount			Recovery	=	132.76%	
35) Dibromofluoromethane	6.92	113	734911	64.97	ug/l	-0.02
Spiked Amount			Recovery	=	129.94%	
50) Toluene-d8	10.40	98	1574281	63.30	ug/l	-0.02
Spiked Amount			Recovery	=	126.60%	
62) 4-Bromofluorobenzene	13.55	95	646851	57.39	ug/l	0.00
Spiked Amount			Recovery	=	114.78%	

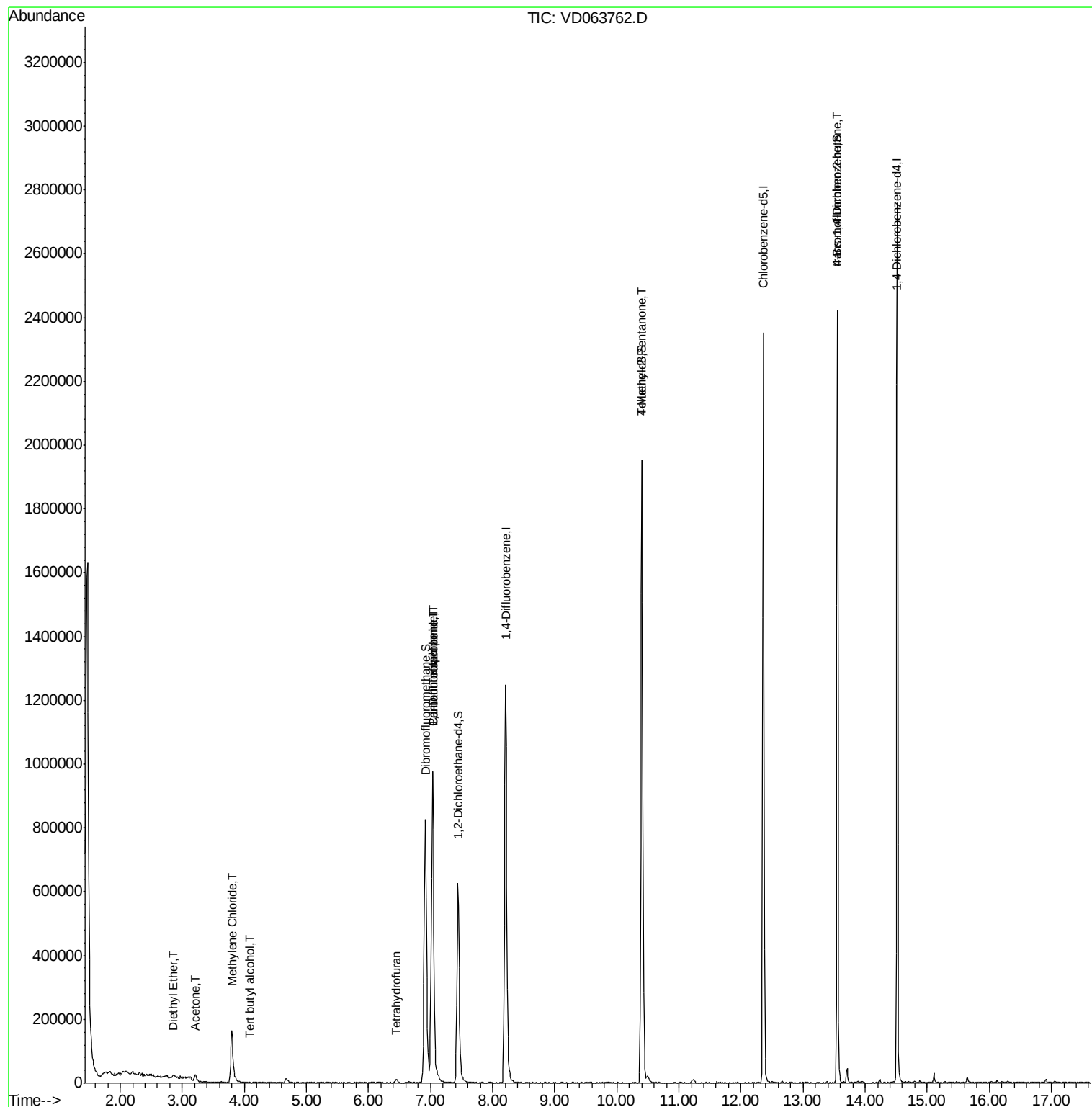
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.86	74	3559	1.396	ug/l	71
11) Tert butyl alcohol	4.09	59	578	1.266	ug/l #	71
16) Acetone	3.21	43	42827	20.093	ug/l #	92
20) Methylene Chloride	3.80	84	93904	10.189	ug/l	90
29) Tetrahydrofuran	6.45	42	8920	9.094	ug/l	94
36) 1,1-Dichloropropene	7.04	75	75682	6.374	ug/l #	50
38) Carbon Tetrachloride	7.04	117	94769	5.296	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	9885	2.168	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	303239	158.352	ug/l #	1

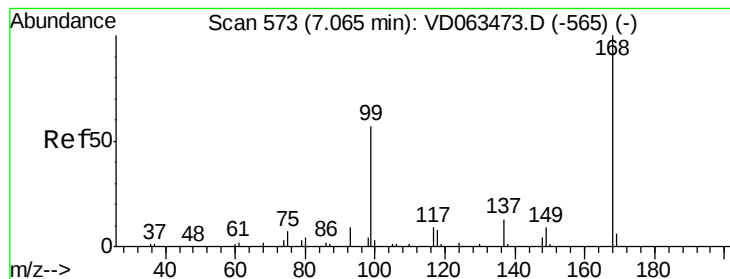
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 26 01:06:21 2019
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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: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063762.D

Acq: 23 Aug 2019 13:22

Instrument :

MSVOA_D

ClientSampleId :

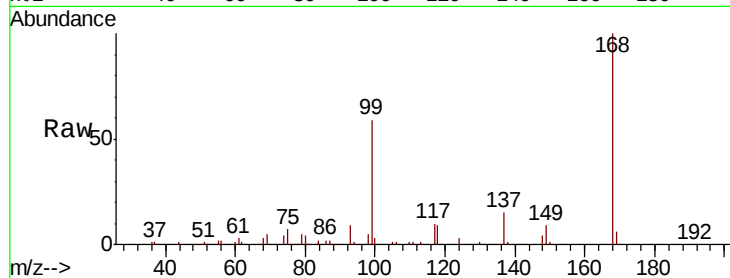
TP-1(1-3)

Tgt Ion:168 Resp: 980905

Ion Ratio Lower Upper

168 100

99 59.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

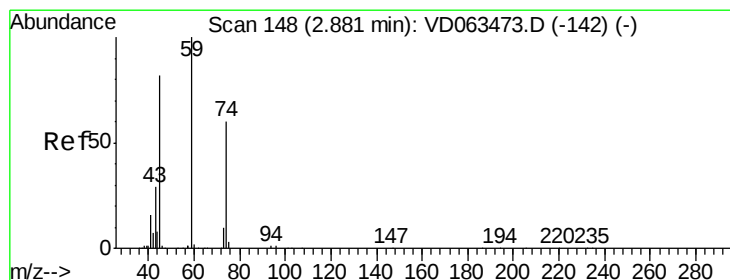
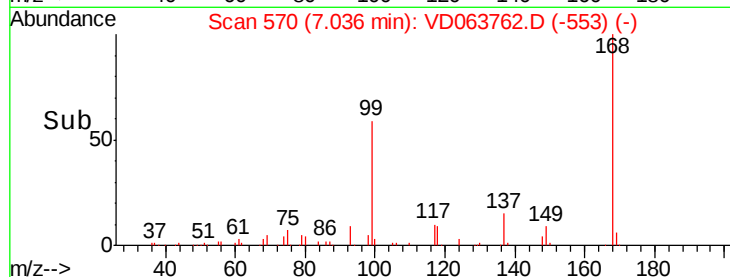
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#8

Diethyl Ether

Concen: 1.396 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD063762.D

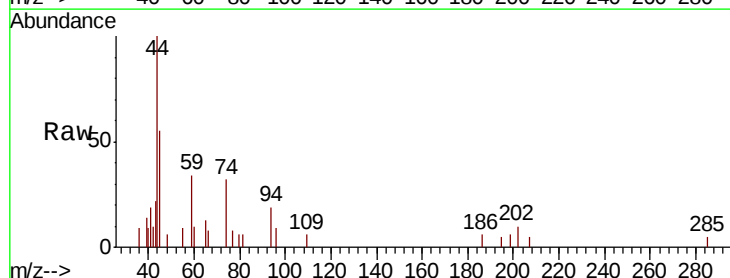
Acq: 23 Aug 2019 13:22

Tgt Ion: 74 Resp: 3559

Ion Ratio Lower Upper

74 100

45 171.5 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

3000

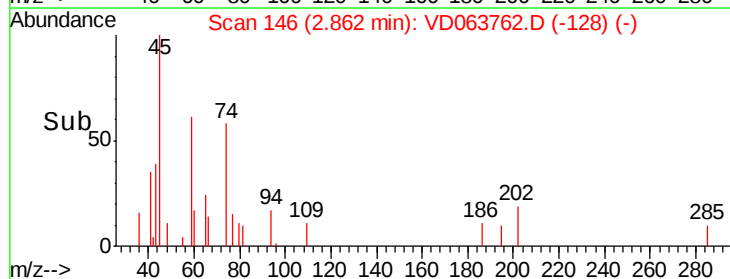
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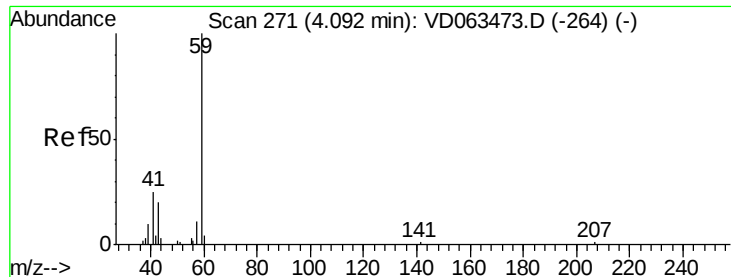
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Time-->

2.80 2.85 2.90

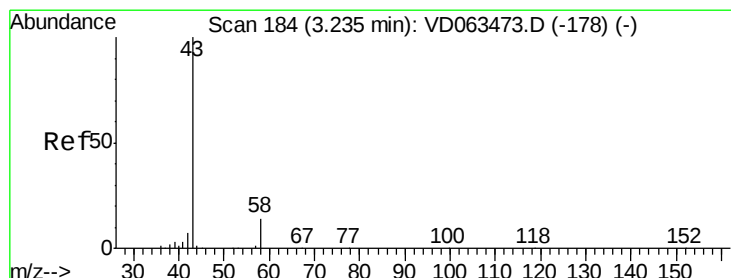
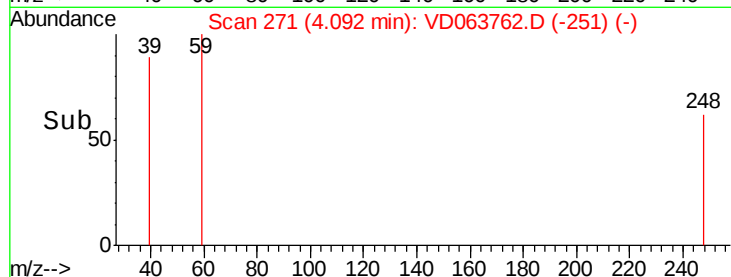
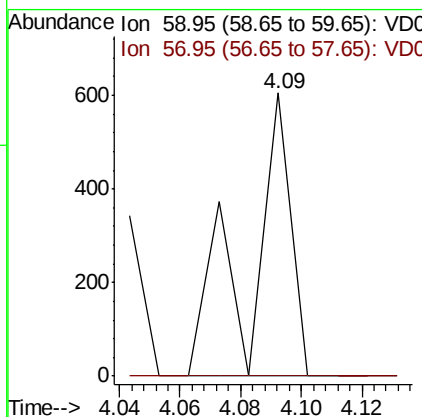
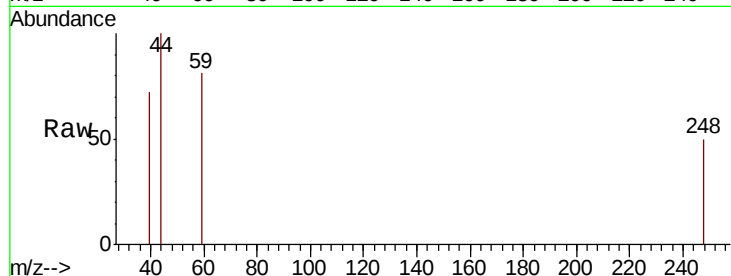




#11
Tert butyl alcohol
Concen: 1.266 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.00 min
Lab File: VD063762.D
Acq: 23 Aug 2019 13:22

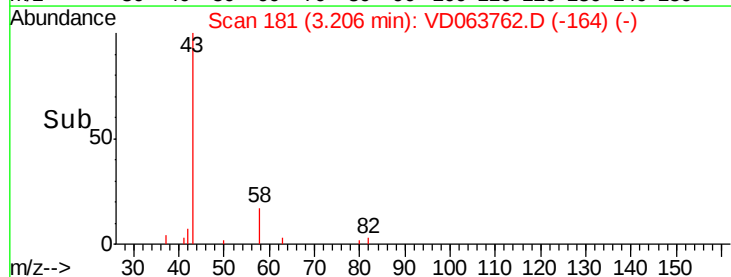
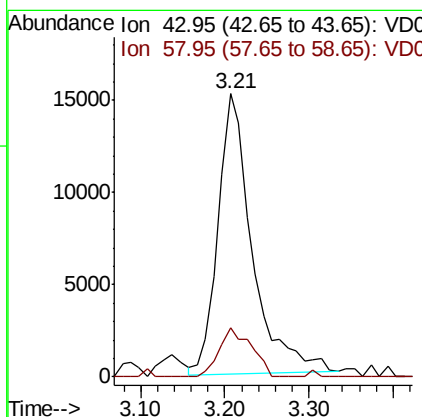
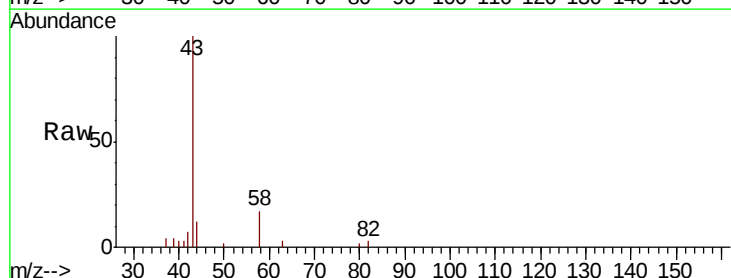
Instrument :
MSVOA_D
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TP-1(1-3)

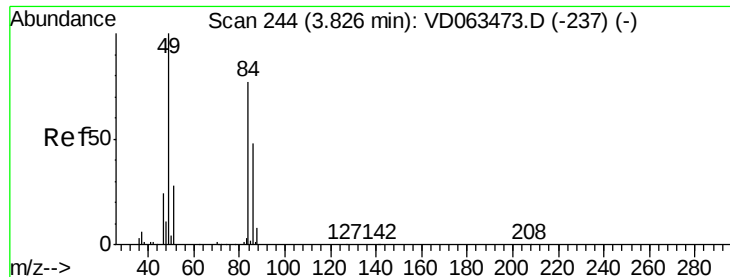
Tgt Ion: 59 Resp: 578
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 20.093 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.03 min
Lab File: VD063762.D
Acq: 23 Aug 2019 13:22

Tgt Ion: 43 Resp: 42827
Ion Ratio Lower Upper
43 100
58 17.4 11.4 17.2#

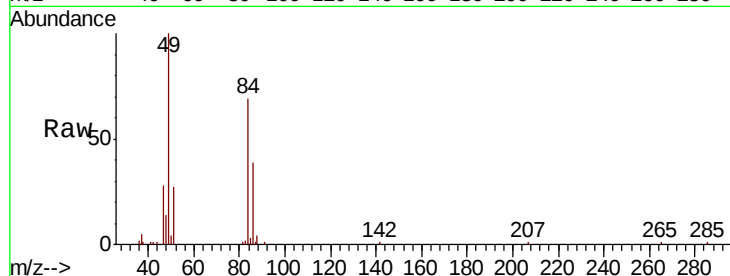




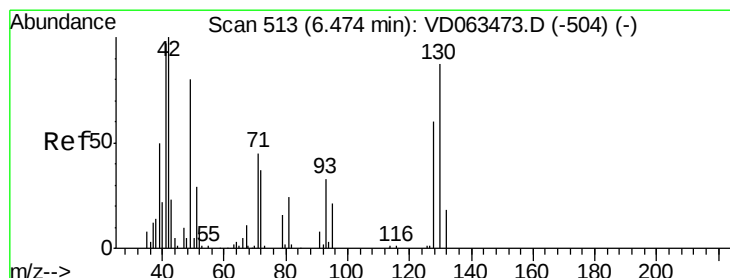
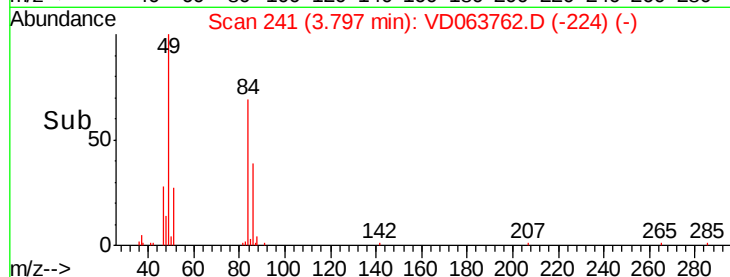
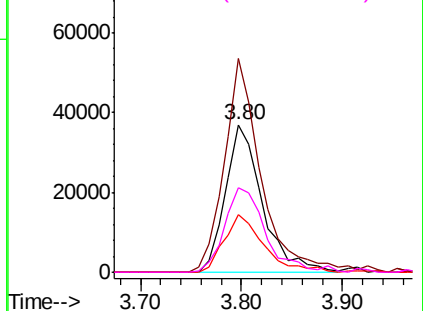
#20
Methylene Chloride
Concen: 10.189 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063762.D
Acq: 23 Aug 2019 13:22

Instrument :
MSVOA_D
ClientSampleId :
TP-1(1-3)

Tgt Ion:	84	Resp:	93904
Ion	Ratio	Lower	Upper
84	100		
49	144.7	103.4	155.2
51	39.1	28.5	42.7
86	57.1	49.4	74.2

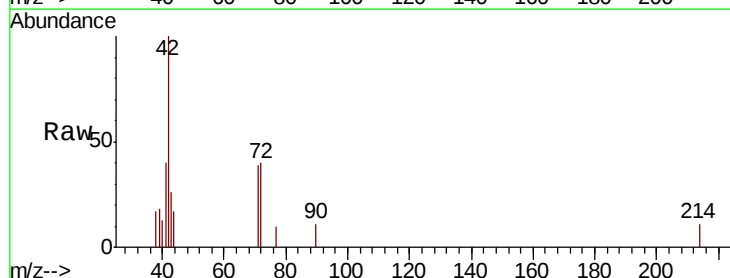


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

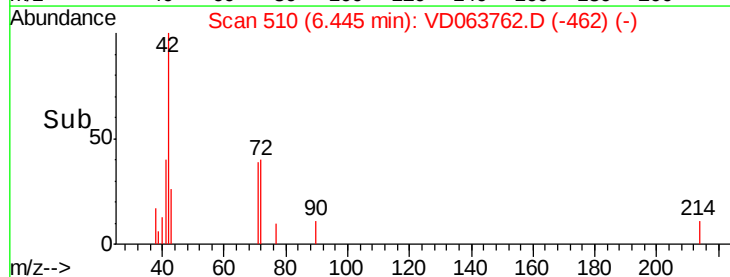
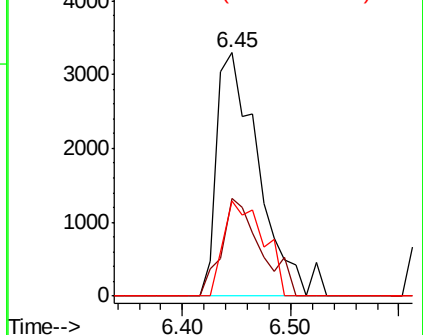


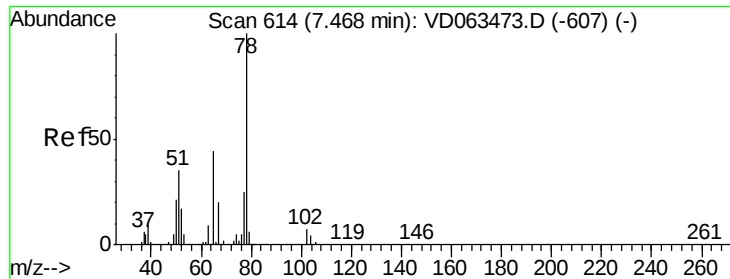
#29
Tetrahydrofuran
Concen: 9.094 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.03 min
Lab File: VD063762.D
Acq: 23 Aug 2019 13:22

Tgt Ion:	42	Resp:	8920
Ion	Ratio	Lower	Upper
42	100		
72	37.3	31.5	47.3
71	37.1	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

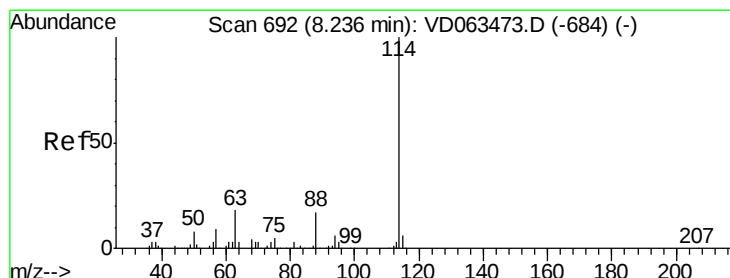
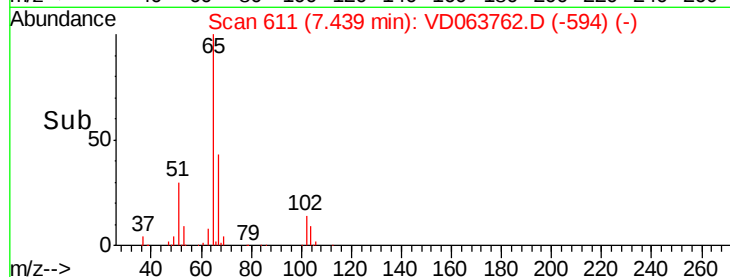
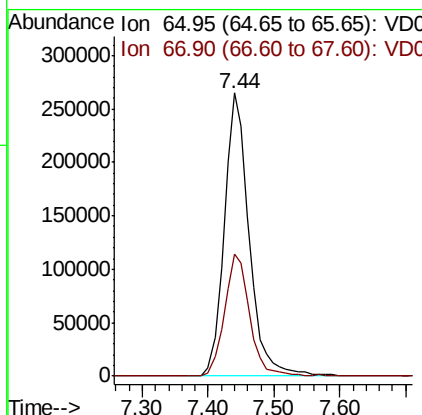
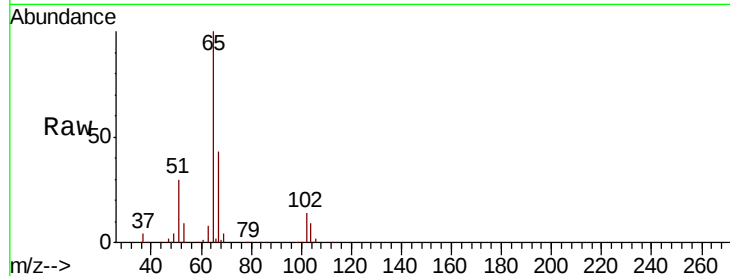




#33
 1,2-Dichloroethane-d4
 Concen: 66.383 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063762.D
 Acq: 23 Aug 2019 13:22

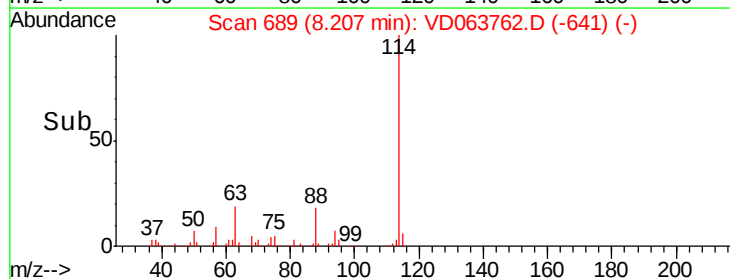
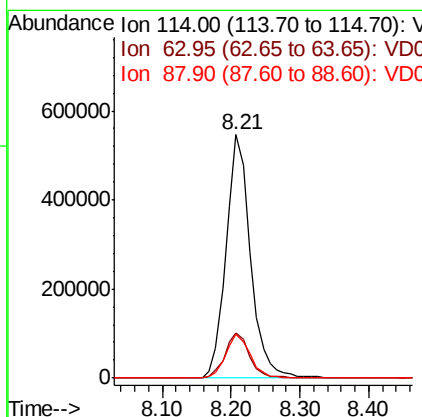
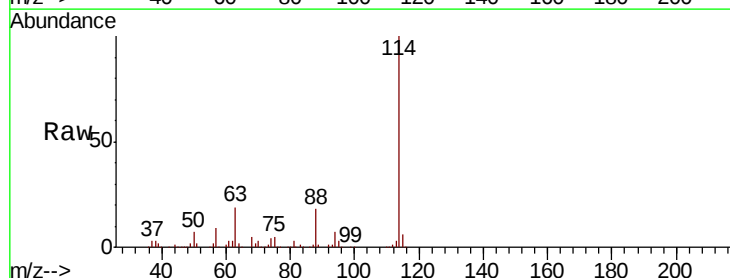
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1(1-3)

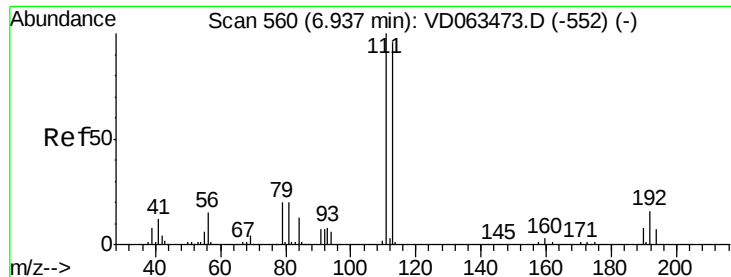
Tgt Ion: 65 Resp: 696033
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063762.D
 Acq: 23 Aug 2019 13:22

Tgt Ion: 114 Resp: 1343091
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.2
 88 17.9 0.0 35.0

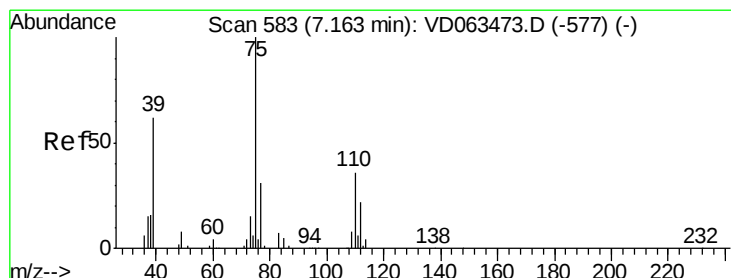
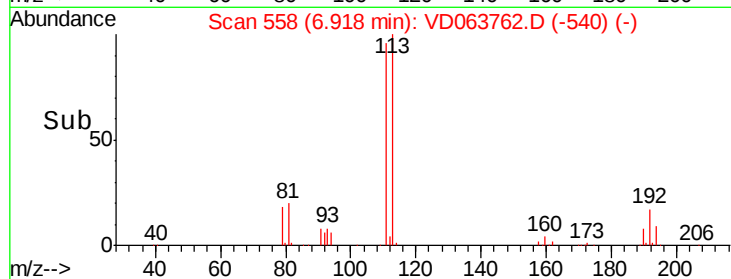
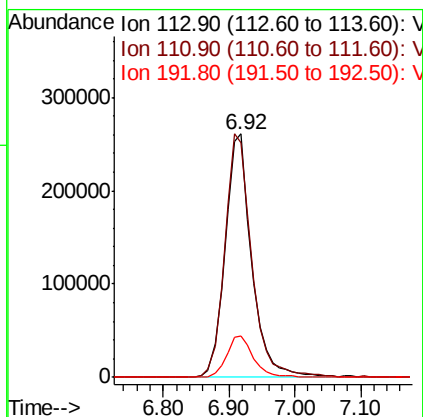
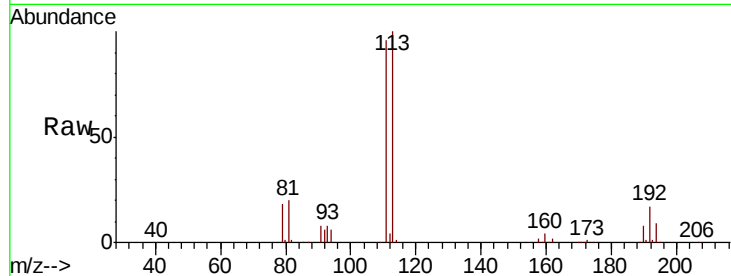




#35
 Dibromofluoromethane
 Concen: 64.970 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063762.D
 Acq: 23 Aug 2019 13:22

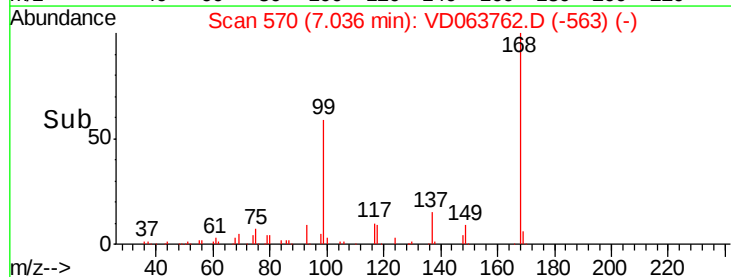
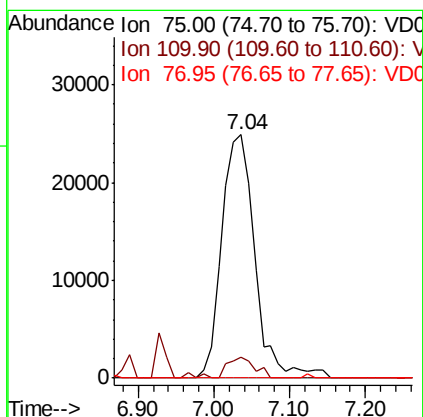
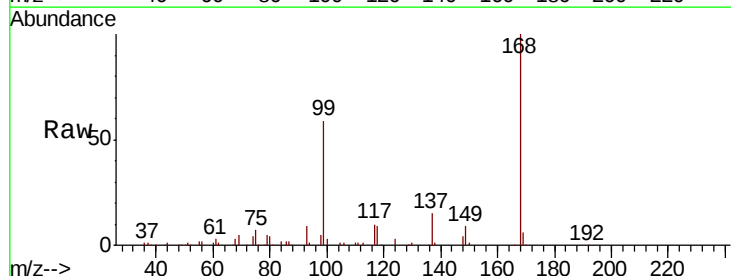
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1(1-3)

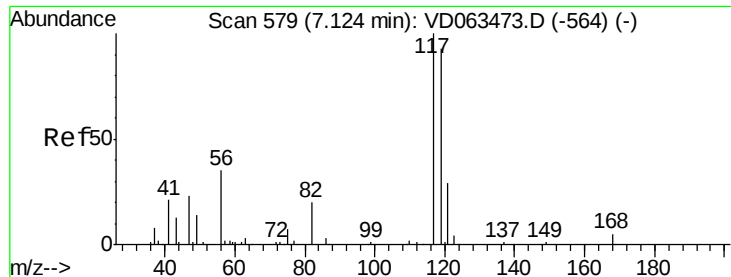
Tgt Ion	Ratio	Lower	Upper
113	100		
111	96.4	83.1	124.7
192	17.2	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 6.374 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063762.D
 Acq: 23 Aug 2019 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.6	52.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 5.296 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063762.D

Acq: 23 Aug 2019 13:22

Instrument :

MSVOA_D

ClientSampleId :

TP-1(1-3)

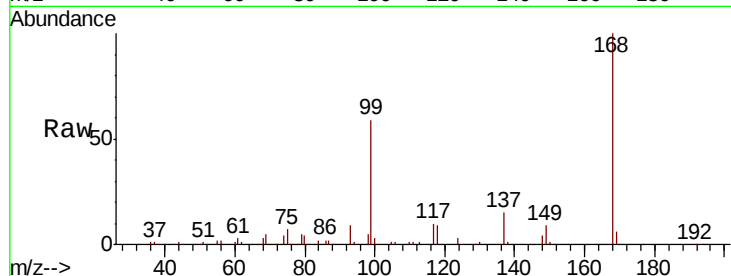
Tgt Ion:117 Resp: 94769

Ion Ratio Lower Upper

117 100

119 3.2 74.2 111.2#

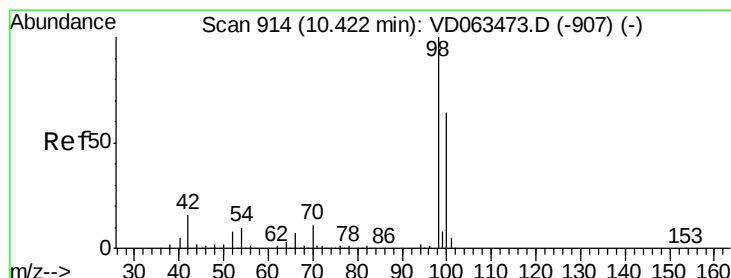
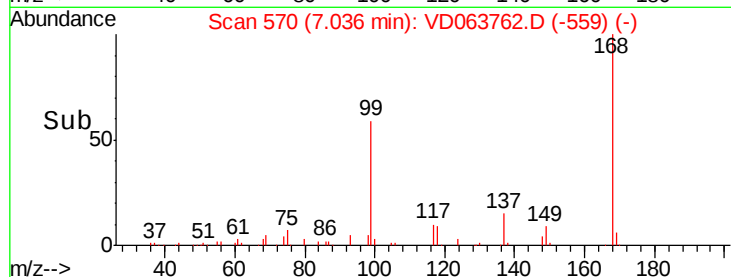
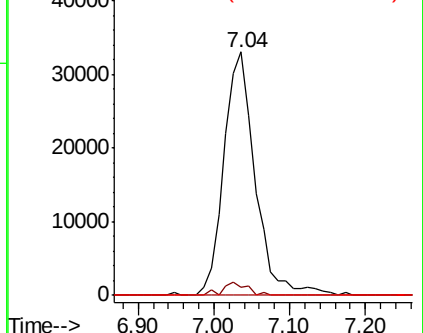
121 0.0 23.1 34.7#



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



#50

Toluene-d8

Concen: 63.303 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063762.D

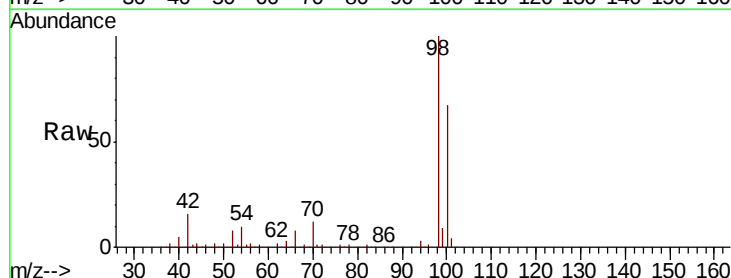
Acq: 23 Aug 2019 13:22

Tgt Ion: 98 Resp: 1574281

Ion Ratio Lower Upper

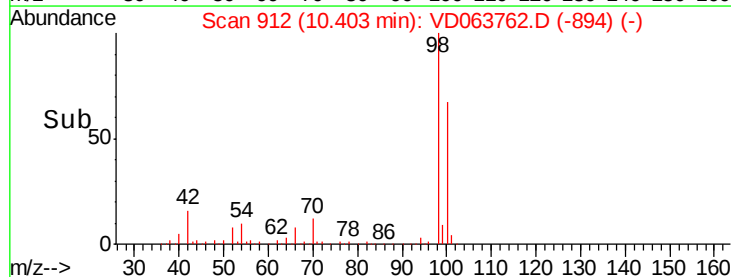
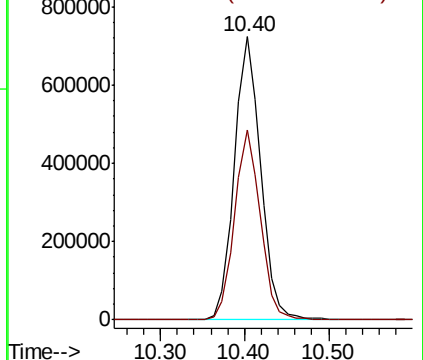
98 100

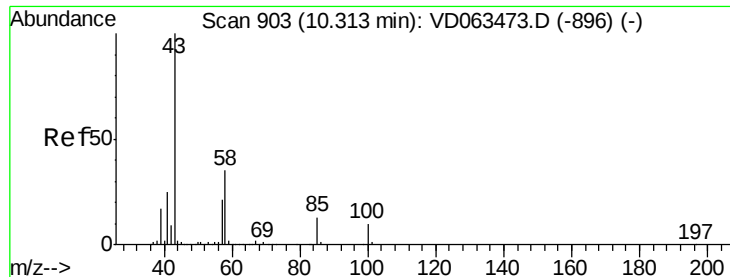
100 67.3 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

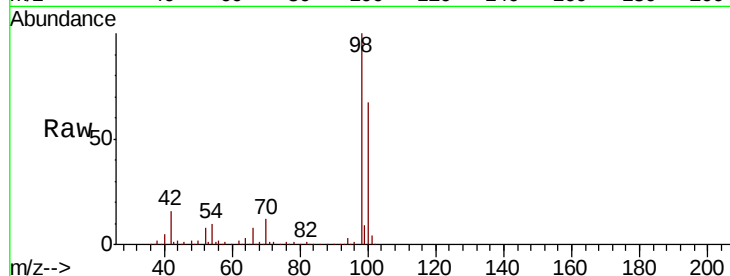




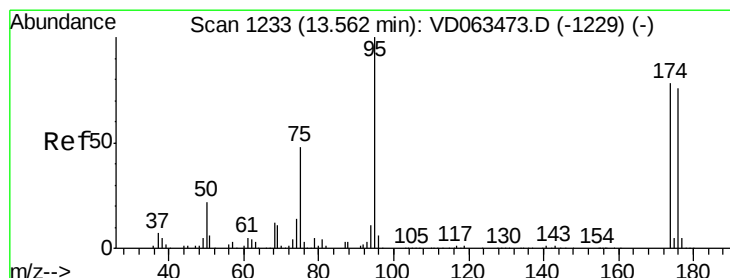
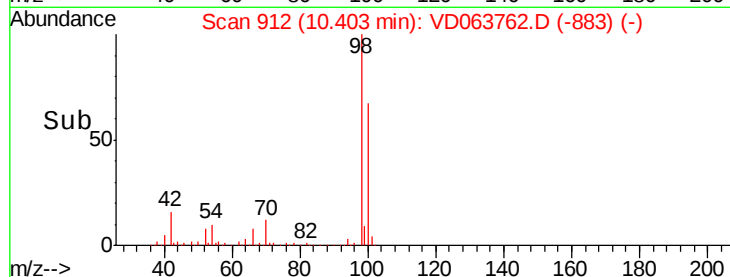
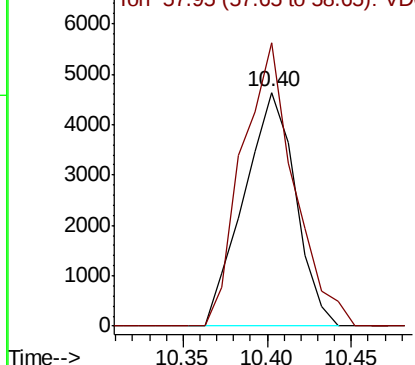
#51
 4-Methyl-2-Pentanone
 Concen: 2.168 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. 0.09 min
 Lab File: VD063762.D
 Acq: 23 Aug 2019 13:22

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1(1-3)

Tgt Ion: 43 Resp: 9885
 Ion Ratio Lower Upper
 43 100
 58 121.1 28.0 42.0#

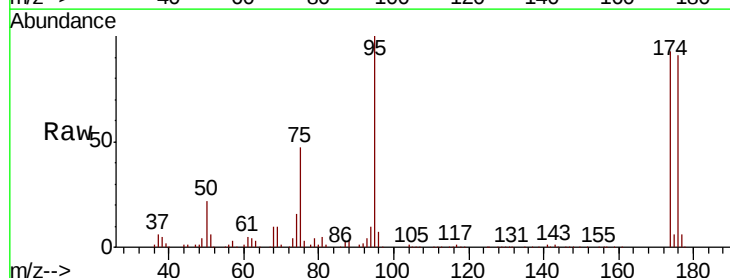


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

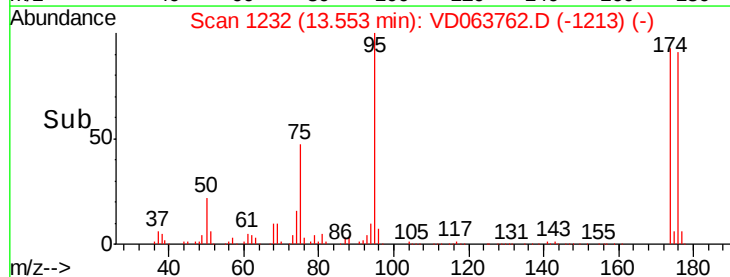
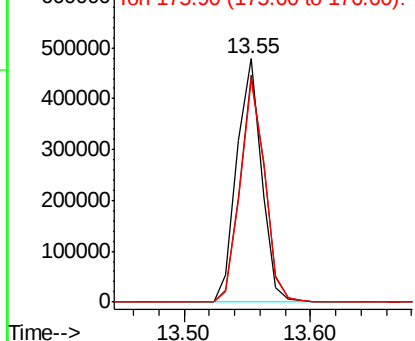


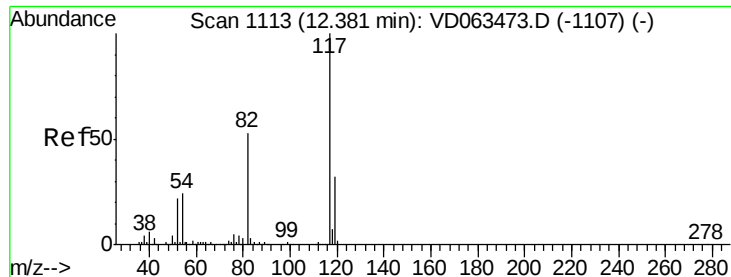
#62
 4-Bromofluorobenzene
 Concen: 57.387 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063762.D
 Acq: 23 Aug 2019 13:22

Tgt Ion: 95 Resp: 646851
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 155.4
 176 91.3 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VDC
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

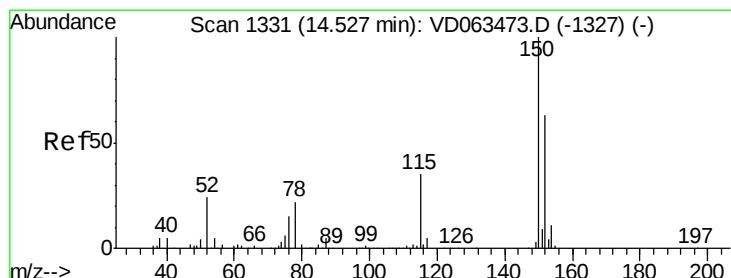
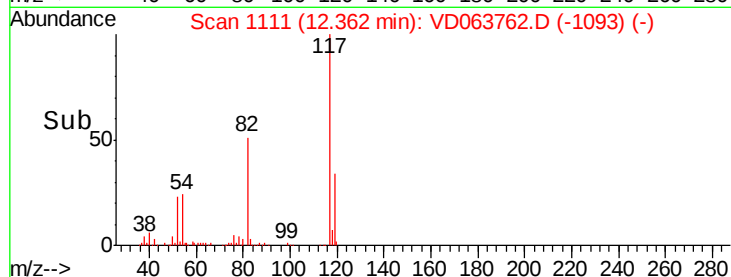
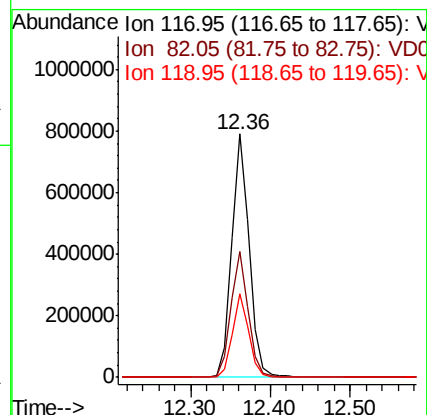
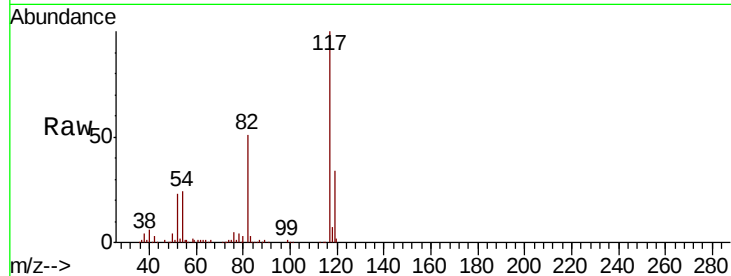




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063762.D
Acq: 23 Aug 2019 13:22

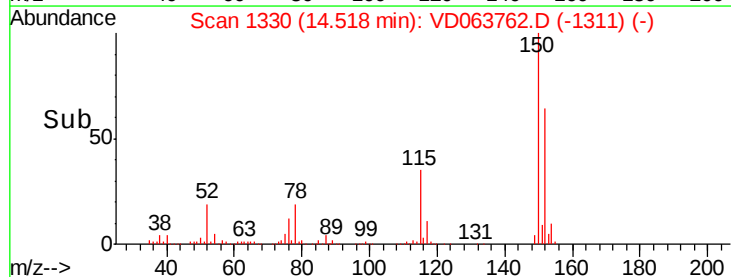
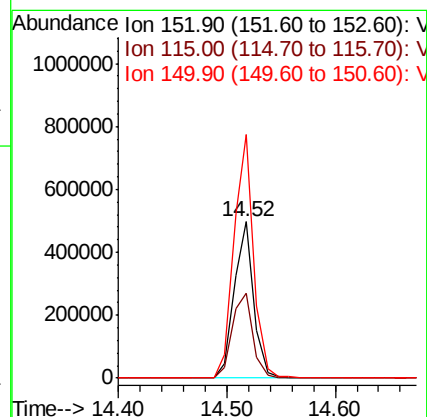
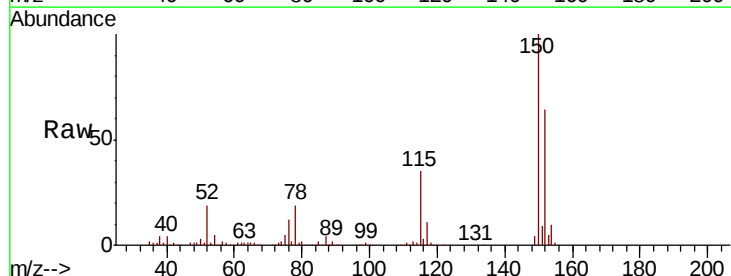
Instrument :
MSVOA_D
ClientSampled :
TP-1(1-3)

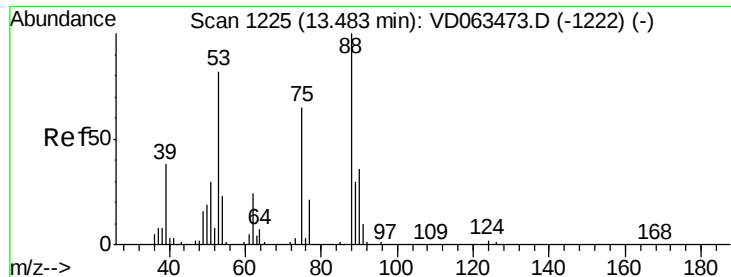
Tgt Ion:117 Resp: 1227295
Ion Ratio Lower Upper
117 100
82 51.5 42.0 63.0
119 34.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063762.D
Acq: 23 Aug 2019 13:22

Tgt Ion:152 Resp: 620809
Ion Ratio Lower Upper
152 100
115 54.5 30.9 92.7
150 156.0 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 158.352 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063762.D

Acq: 23 Aug 2019 13:22

Instrument :

MSVOA_D

ClientSampleId :

TP-1(1-3)

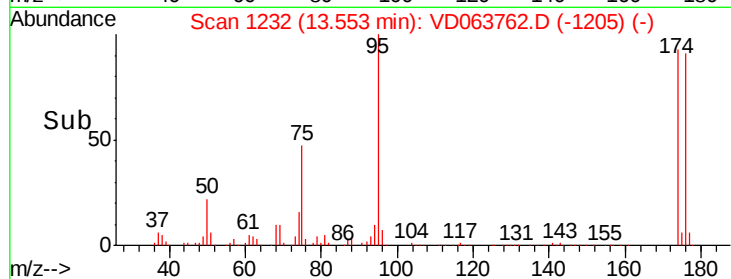
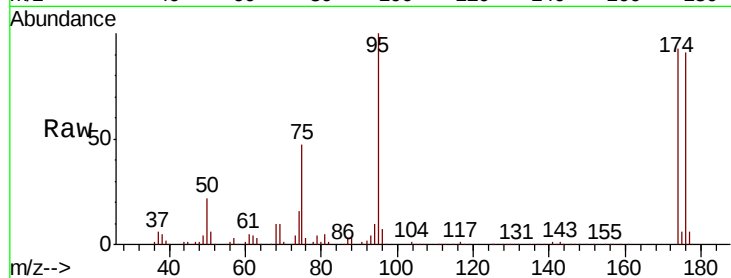
Tgt Ion: 75 Resp: 303239

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

