

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063062.D
 Acq On : 10 Jul 2019 17:10
 Operator : VA/AP
 Sample : K3726-04
 Misc : 4.98g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PX-4_070919

Quant Time: Jul 11 07:01:39 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

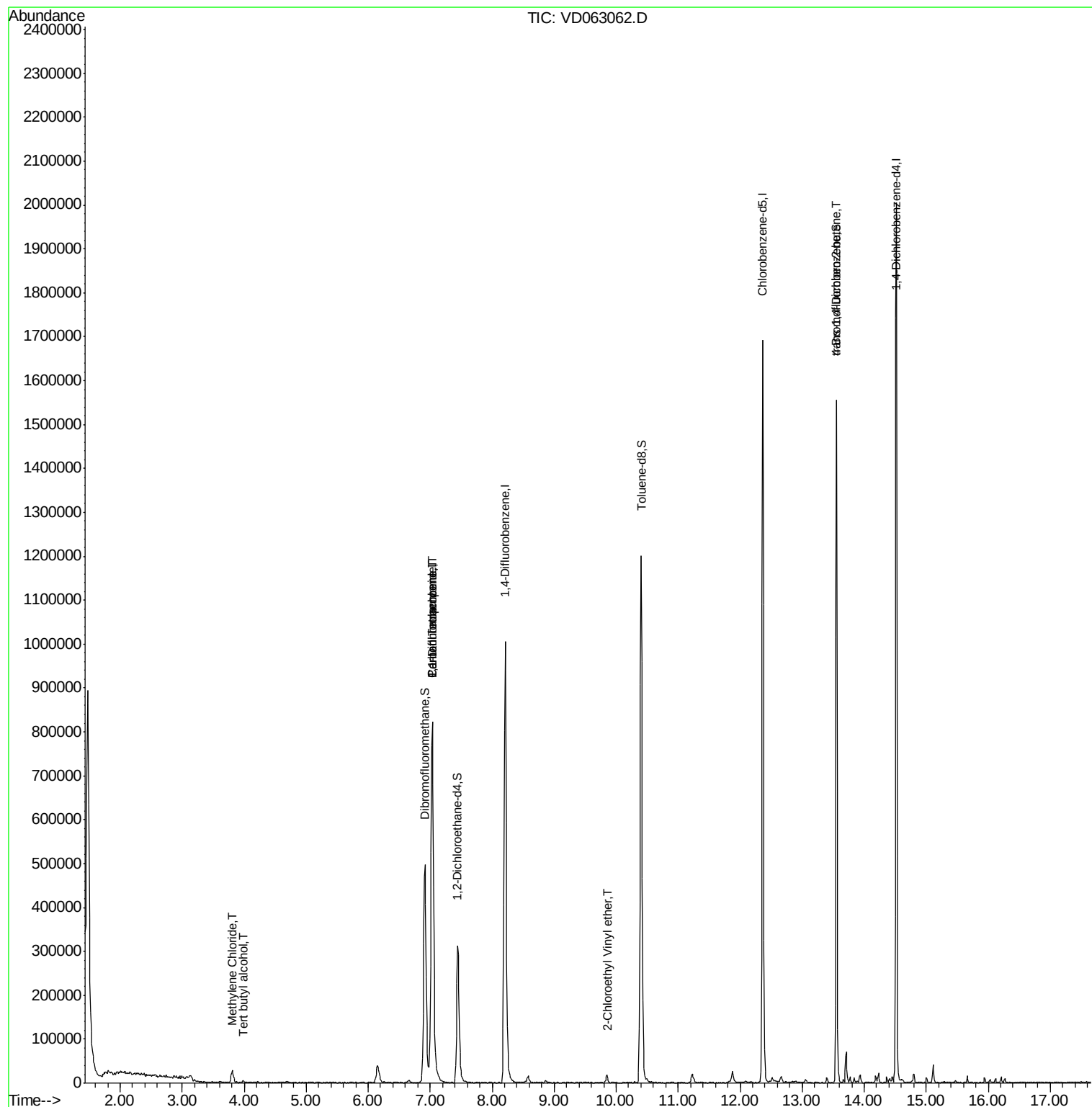
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	838748	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1153994	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	896894	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	465388	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	356429	39.09	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	78.18%	
35) Dibromofluoromethane	6.92	113	450991	46.35	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.70%	
50) Toluene-d8	10.40	98	949927	44.85	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	89.70%	
62) 4-Bromofluorobenzene	13.55	95	417220	43.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.66%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.97	59	3482	8.386	ug/l #	77
16) Acetone	3.21	43	5957	Below Cal	#	65
20) Methylene Chloride	3.81	84	17003	2.445	ug/l	90
36) 1,1-Dichloropropene	7.03	75	66212	6.061	ug/l #	51
37) Ethyl Acetate	6.14	43	3171	Below Cal	#	39
38) Carbon Tetrachloride	7.04	117	81069	4.934	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.85	63	7701	2.772	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.55	75	191787	136.206	ug/l #	2

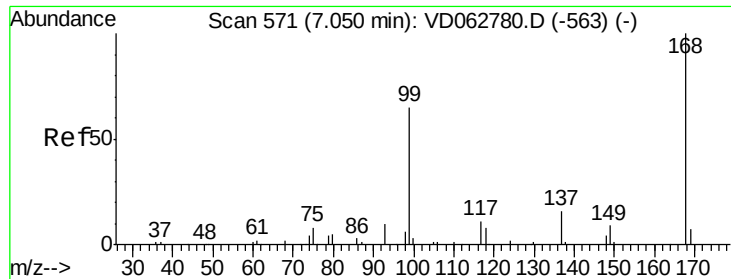
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071019\
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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: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD063062.D

Acq: 10 Jul 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

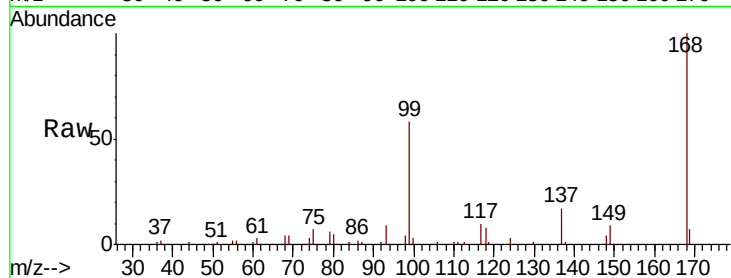
PX-4_070919

Tot Ion:168 Resp: 838748

Ion Ratio Lower Upper

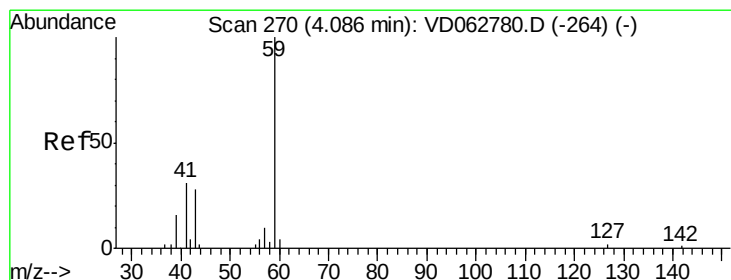
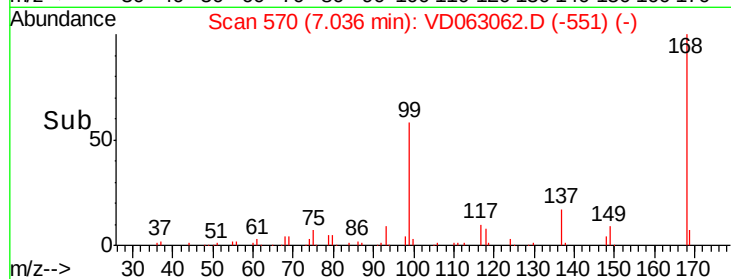
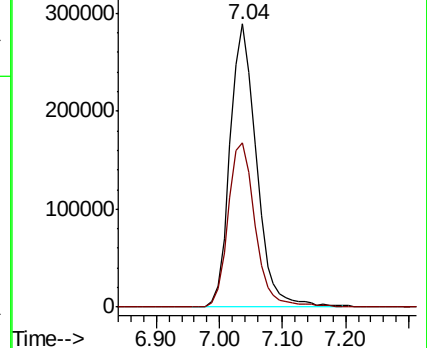
168 100

99 58.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 8.386 ug/l

RT: 3.97 min Scan# 259

Delta R.T. -0.11 min

Lab File: VD063062.D

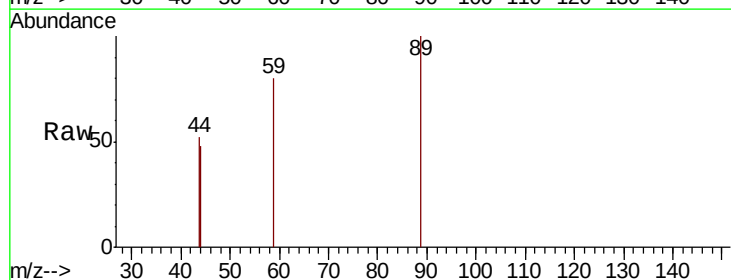
Acq: 10 Jul 2019 17:10

Tgt Ion: 59 Resp: 3482

Ion Ratio Lower Upper

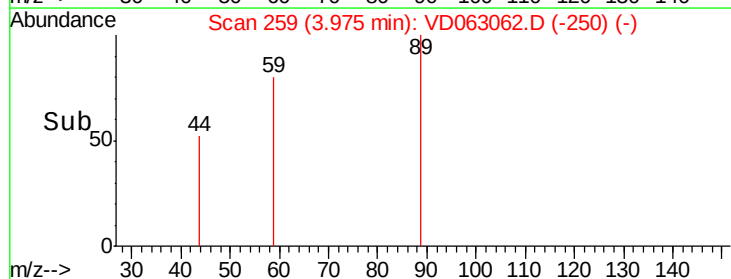
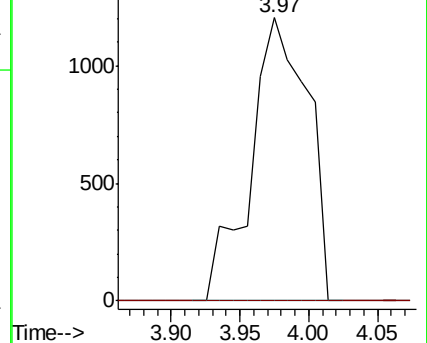
59 100

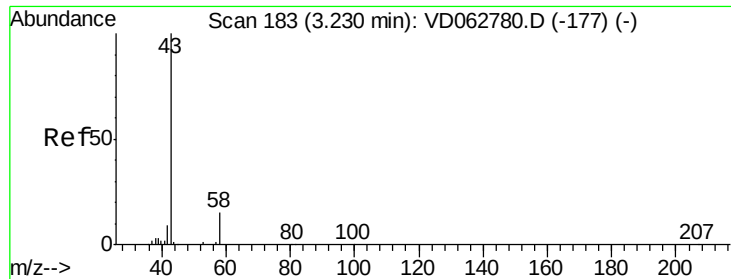
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: Below Cal

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063062.D

Acq: 10 Jul 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

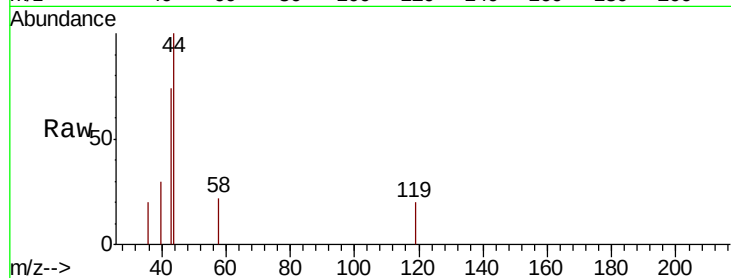
PX-4_070919

Tot Ion: 43 Resp: 5957

Ion Ratio Lower Upper

43 100

58 29.4 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

1500

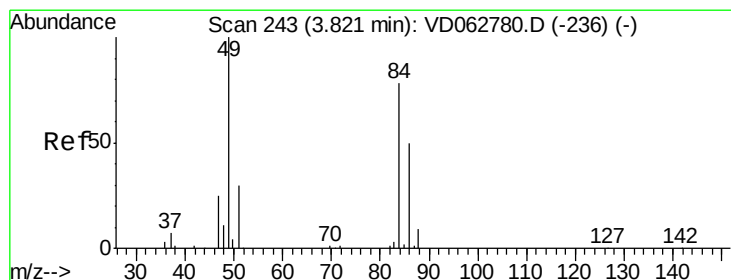
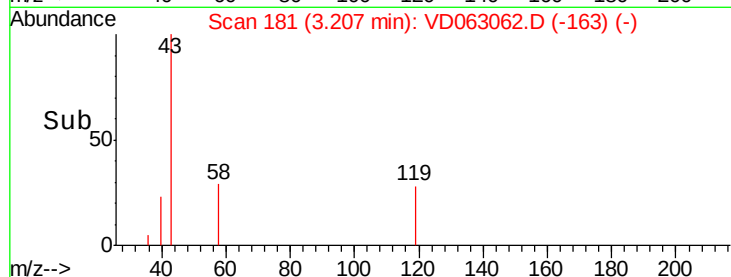
1000

500

0

3.15 3.20 3.25 3.30

Time-->



#20

Methylene Chloride

Concen: 2.445 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD063062.D

Acq: 10 Jul 2019 17:10

Tgt Ion: 84 Resp: 17003

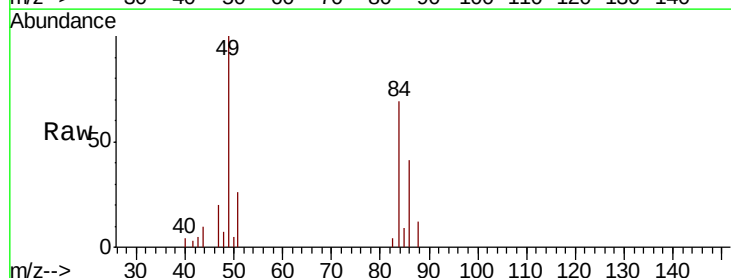
Ion Ratio Lower Upper

84 100

49 145.0 102.9 154.3

51 37.8 31.2 46.8

86 58.9 51.4 77.2



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

3.81

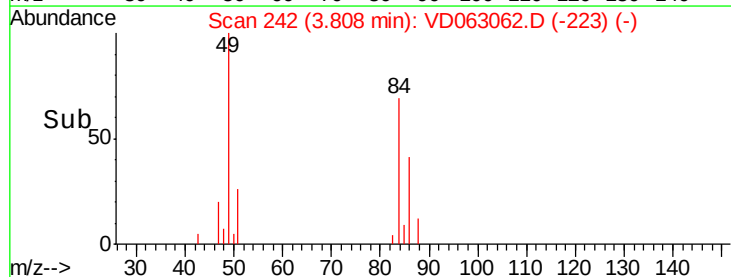
10000

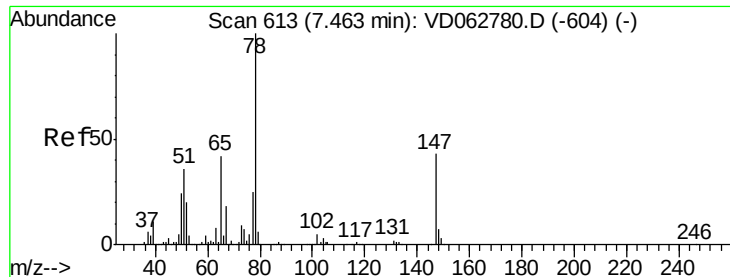
5000

0

3.70 3.80 3.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 39.095 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD063062.D

Acq: 10 Jul 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

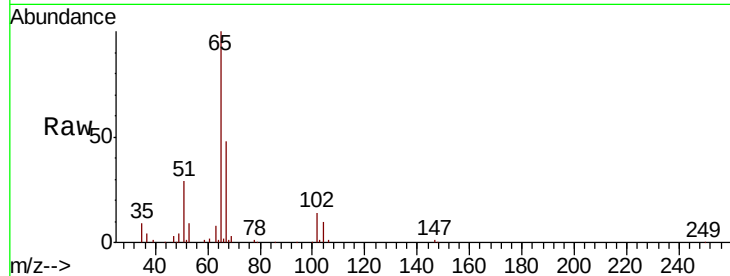
PX-4_070919

Tot Ion: 65 Resp: 356429

Ion Ratio Lower Upper

65 100

67 47.9 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

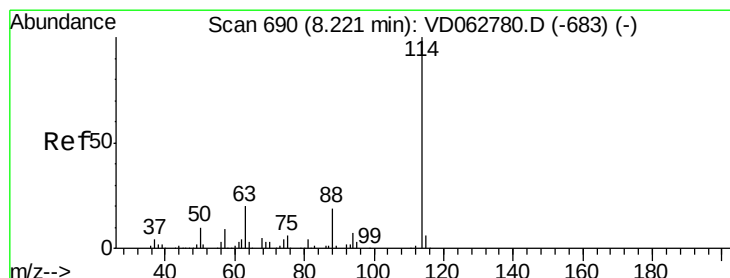
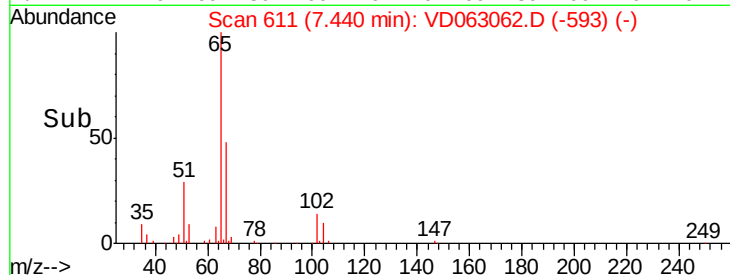
7.44

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD063062.D

Acq: 10 Jul 2019 17:10

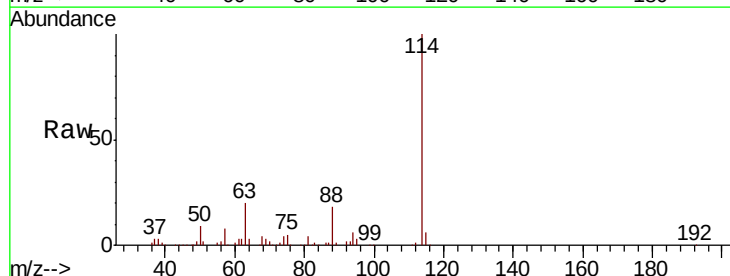
Tgt Ion: 114 Resp: 1153994

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 18.0 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

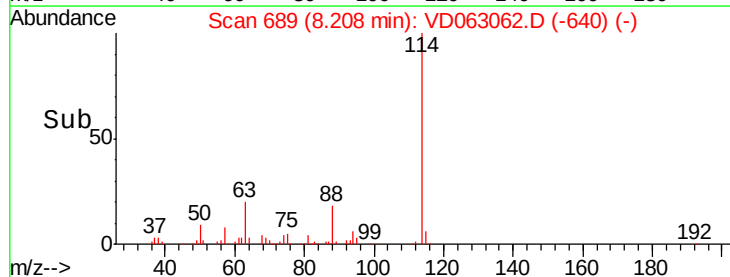
300000

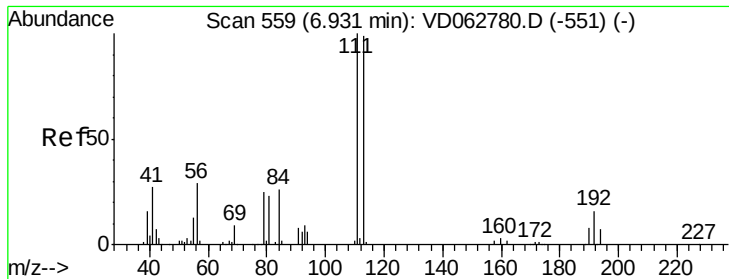
200000

100000

0

Time-->

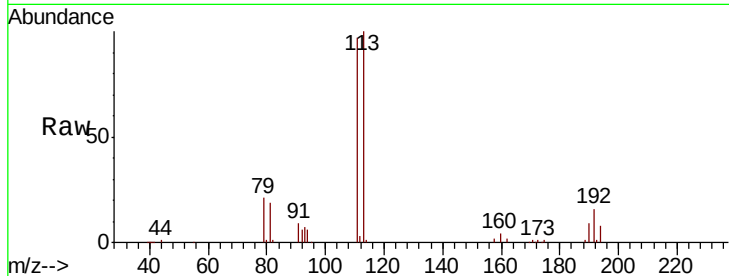




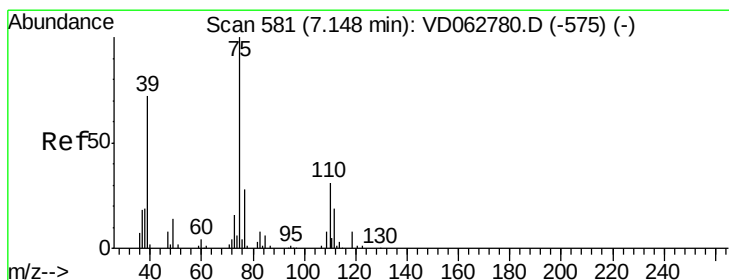
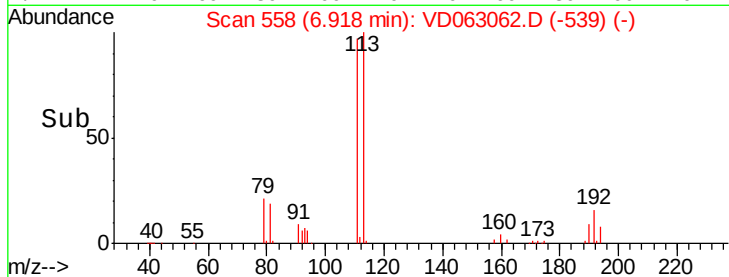
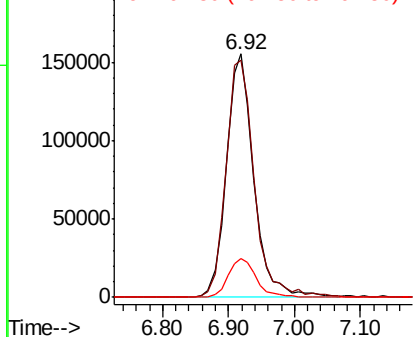
#35
 Dibromofluoromethane
 Concen: 46.349 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD063062.D
 Acq: 10 Jul 2019 17:10

Instrument :
 MSVOA_D
 ClientSampleId :
 PX-4_070919

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.4	81.2	121.8
192	16.0	12.9	19.3

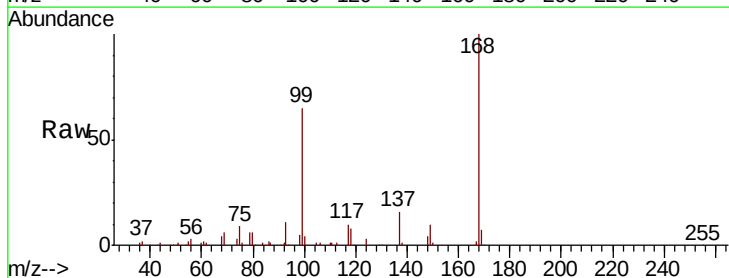


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

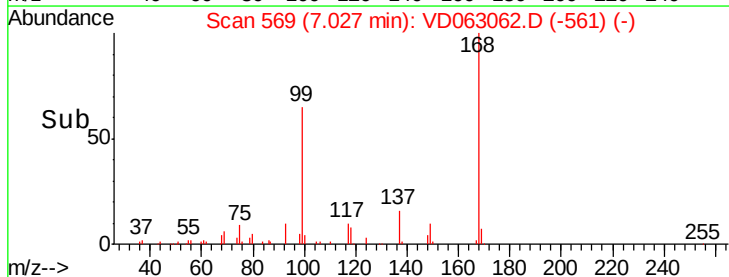
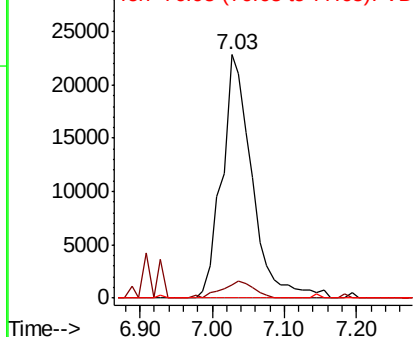


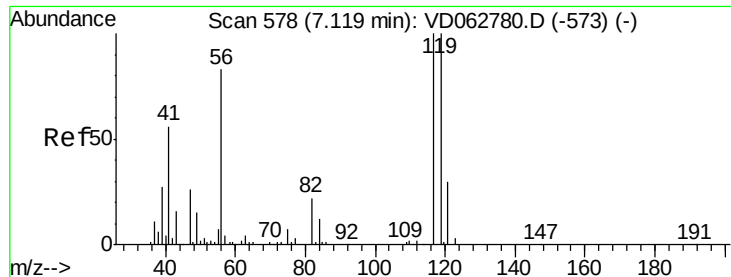
#36
 1,1-Dichloropropene
 Concen: 6.061 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.12 min
 Lab File: VD063062.D
 Acq: 10 Jul 2019 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.6	15.0	45.1#
77	0.0	22.2	33.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

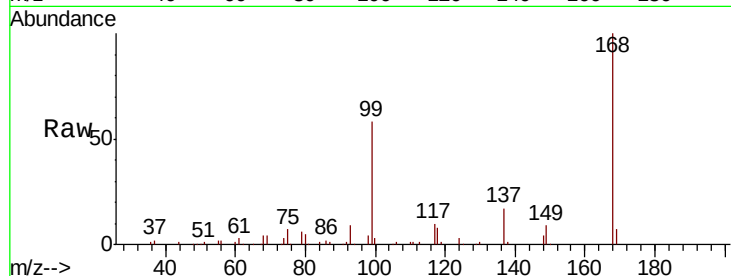




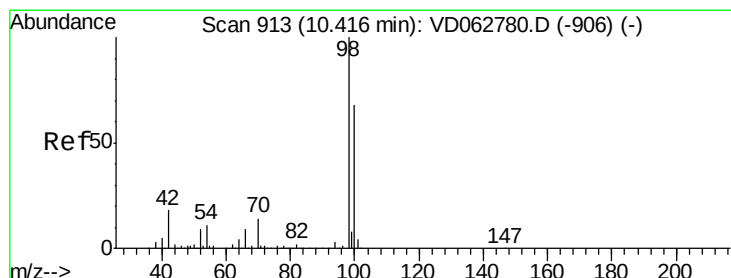
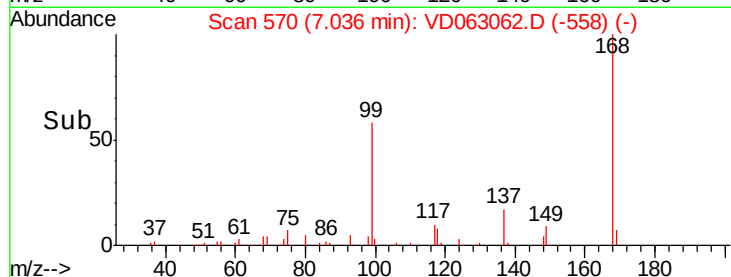
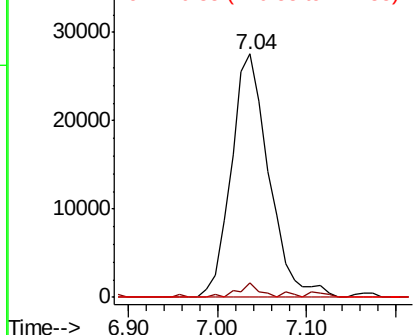
#38
Carbon Tetrachloride
Concen: 4.934 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD063062.D
Acq: 10 Jul 2019 17:10

Instrument :
MSVOA_D
ClientSampleId :
PX-4_070919

Tot Ion:117 Resp: 81069
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.2#
121 0.0 22.3 33.5#

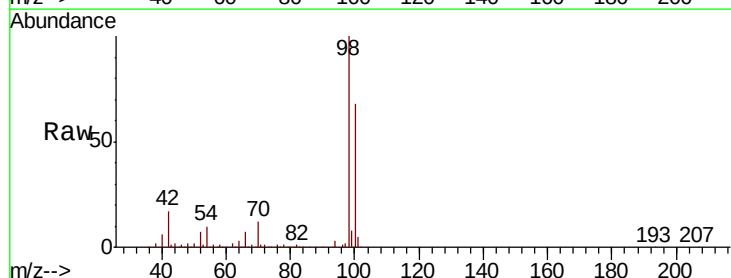


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

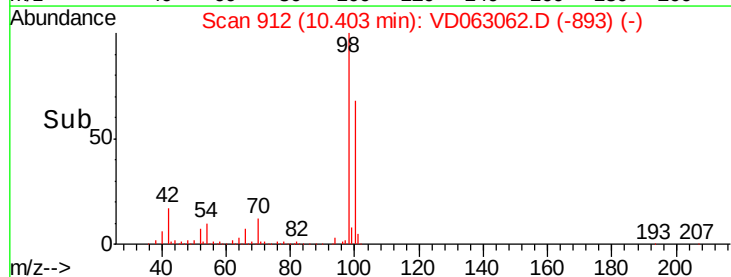
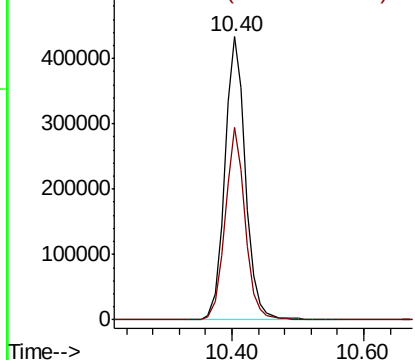


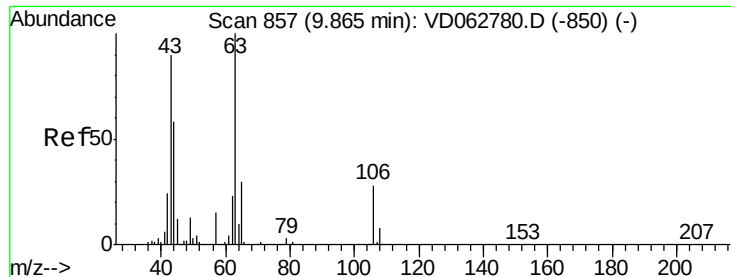
#50
Toluene-d8
Concen: 44.855 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063062.D
Acq: 10 Jul 2019 17:10

Tgt Ion: 98 Resp: 949927
Ion Ratio Lower Upper
98 100
100 68.2 54.7 82.1



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





#58

2-Chloroethyl Vinyl ether

Concen: 2.772 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD063062.D

Acq: 10 Jul 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

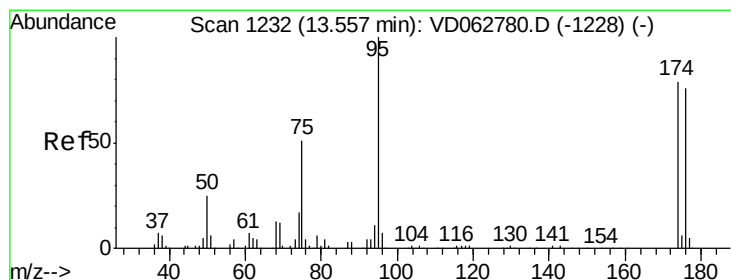
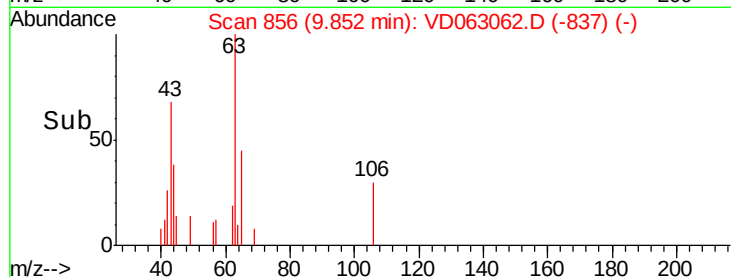
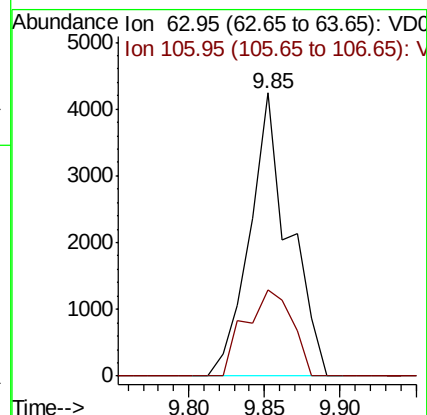
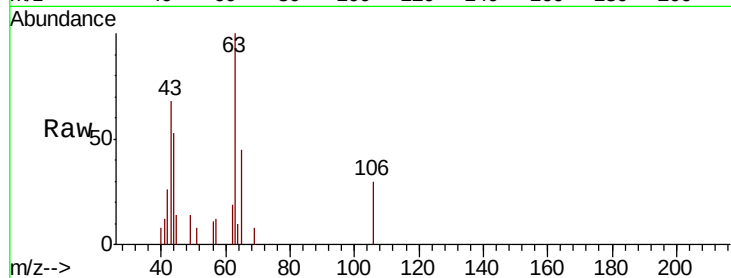
PX-4_070919

Tot Ion: 63 Resp: 7701

Ion Ratio Lower Upper

63 100

106 30.4 22.1 33.1



#62

4-Bromofluorobenzene

Concen: 43.326 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063062.D

Acq: 10 Jul 2019 17:10

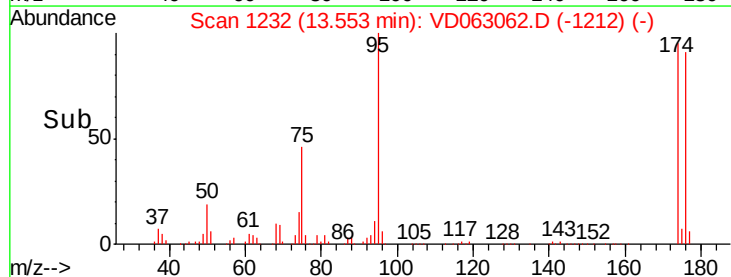
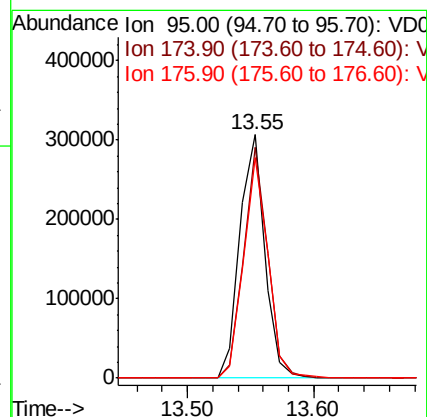
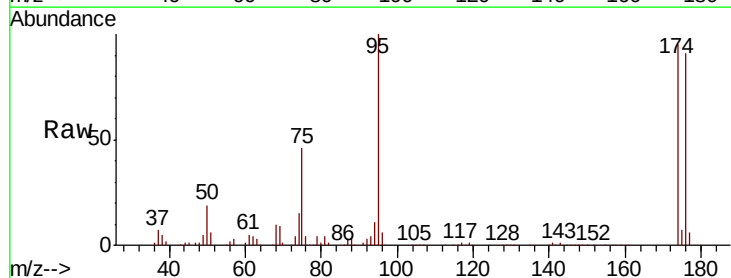
Tgt Ion: 95 Resp: 417220

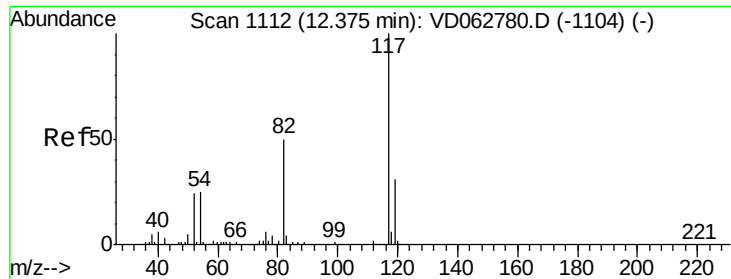
Ion Ratio Lower Upper

95 100

174 94.9 0.0 158.0

176 90.6 0.0 151.6

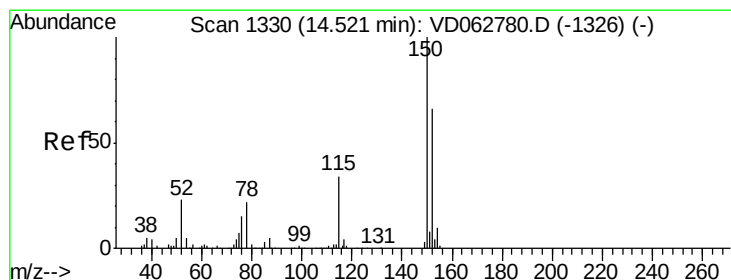
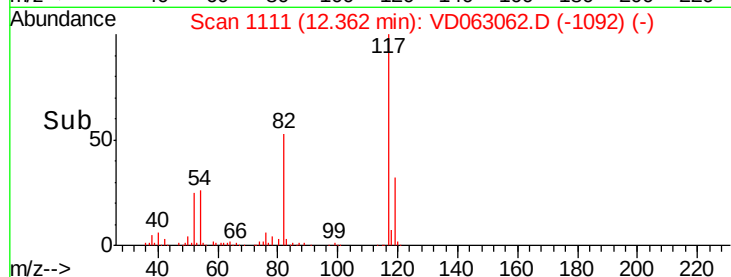
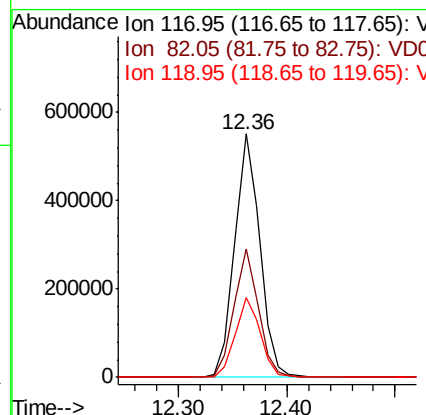
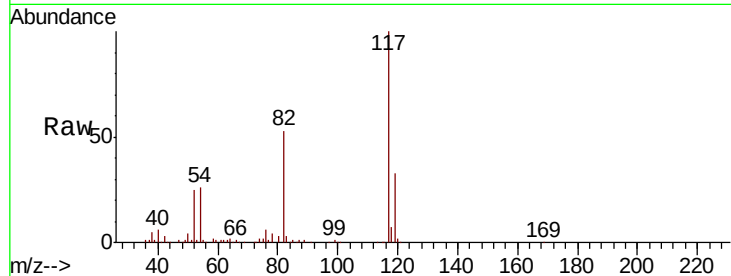




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063062.D
Acq: 10 Jul 2019 17:10

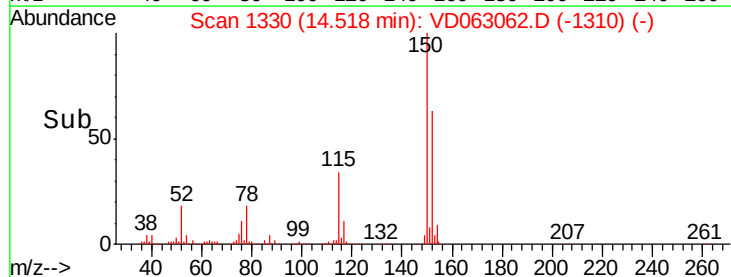
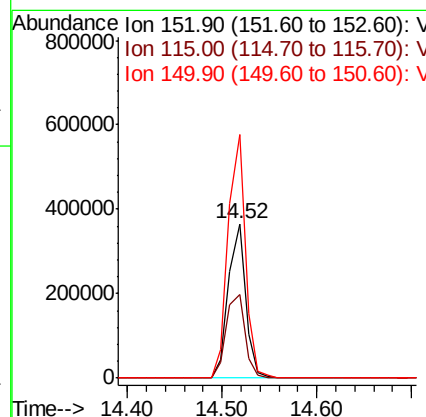
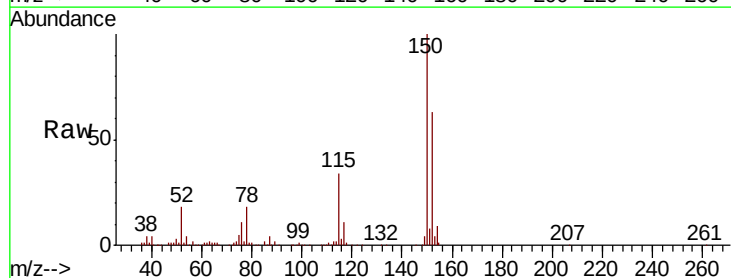
Instrument :
MSVOA_D
ClientSampleId :
PX-4_070919

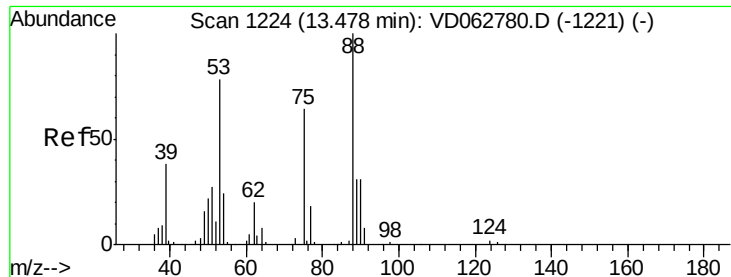
Tot Ion:117 Resp: 896894
Ion Ratio Lower Upper
117 100
82 52.8 40.4 60.6
119 32.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063062.D
Acq: 10 Jul 2019 17:10

Tgt Ion:152 Resp: 465388
Ion Ratio Lower Upper
152 100
115 54.0 29.2 87.6
150 158.0 0.0 305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 136.206 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063062.D

Acq: 10 Jul 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

PX-4_070919

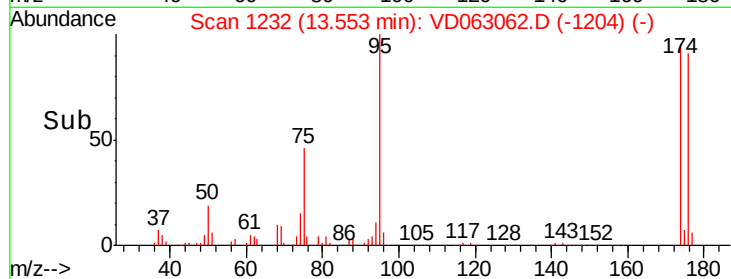
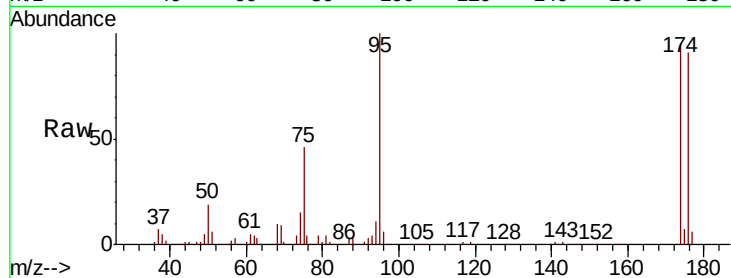
Tot Ion: 75 Resp: 191787

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

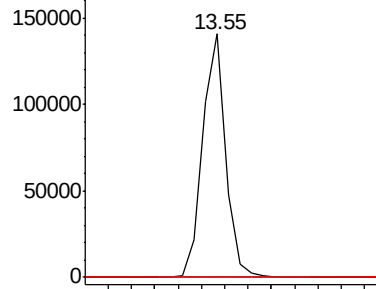
89 0.0 39.4 59.2#



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



Time-->