

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070319\
 Data File : VD063024.D
 Acq On : 3 Jul 2019 15:10
 Operator : VA/AP
 Sample : K3646-02RE
 Misc : 4.39g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-0D015-03-011RE

Quant Time: Jul 04 00:46:25 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	7.06	168	885761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1255025	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1079639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	555501	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	534005	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
35) Dibromofluoromethane	6.93	113	126618	11.97	ug/l	0.00
Spiked Amount			Recovery	=	23.94%	
50) Toluene-d8	10.42	98	1294041	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	
62) 4-Bromofluorobenzene	13.56	95	556371	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	

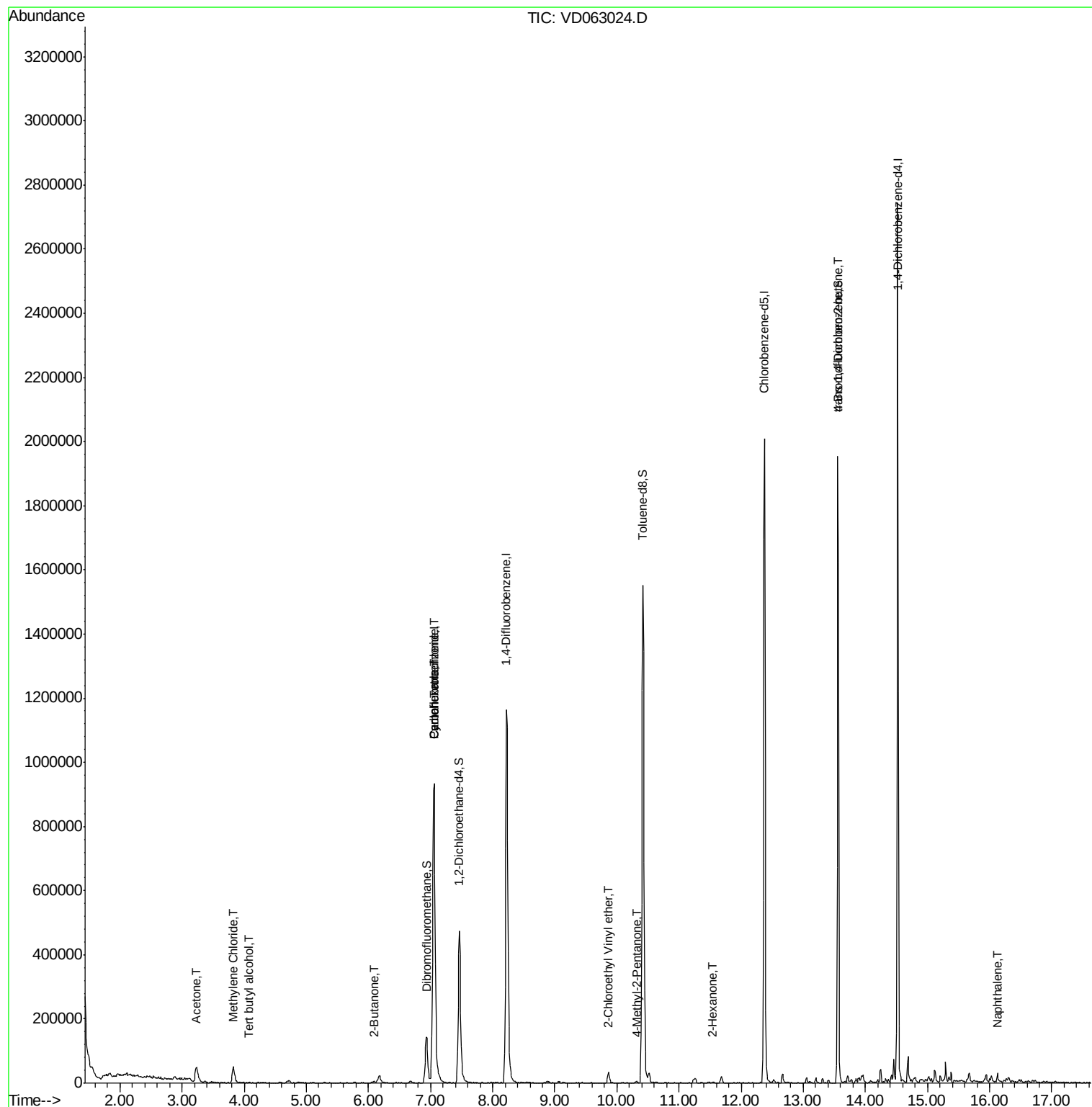
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	960	2.189	ug/l #	77
16) Acetone	3.23	43	105289	48.281	ug/l	94
20) Methylene Chloride	3.82	84	31491	4.289	ug/l	96
25) 2-Butanone	6.08	43	9423	5.233	ug/l #	89
31) Cyclohexane	7.05	56	22869	2.529	ug/l #	29
37) Ethyl Acetate	6.17	43	2014	Below Cal	#	31
38) Carbon Tetrachloride	7.06	117	89550	5.012	ug/l #	17
51) 4-Methyl-2-Pentanone	10.31	43	5036	1.140	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	16604	5.495	ug/l	95
59) 2-Hexanone	11.54	43	3590	1.141	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.56	75	254692	151.538	ug/l #	2
95) Naphthalene	16.13	128	17274	1.074	ug/l #	89

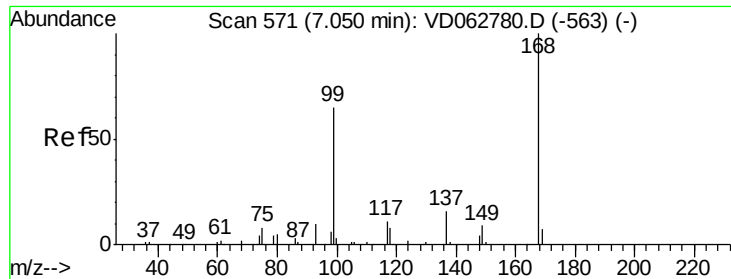
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063024.D

Acq: 3 Jul 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

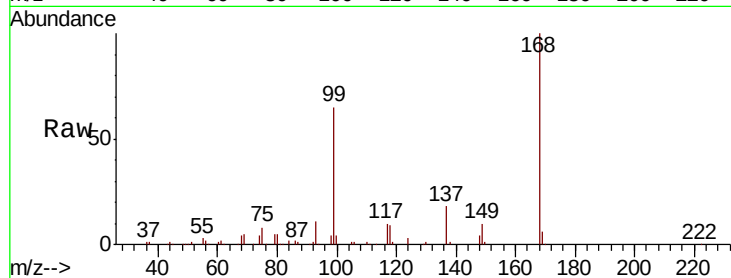
FK-0D015-03-011RE

Tot Ion:168 Resp: 885761

Ion Ratio Lower Upper

168 100

99 65.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

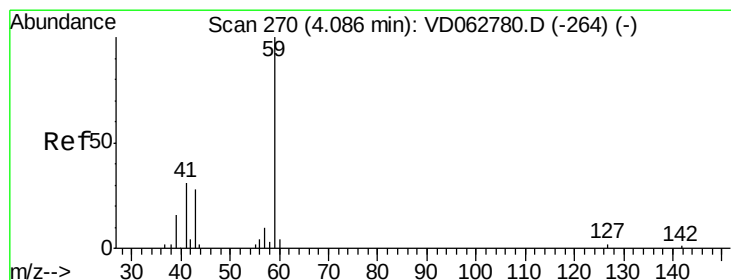
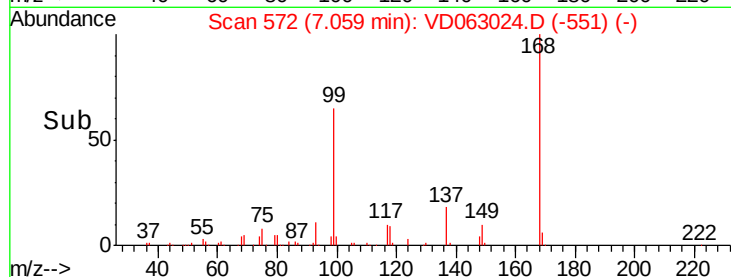
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.189 ug/l

RT: 4.07 min Scan# 268

Delta R.T. -0.02 min

Lab File: VD063024.D

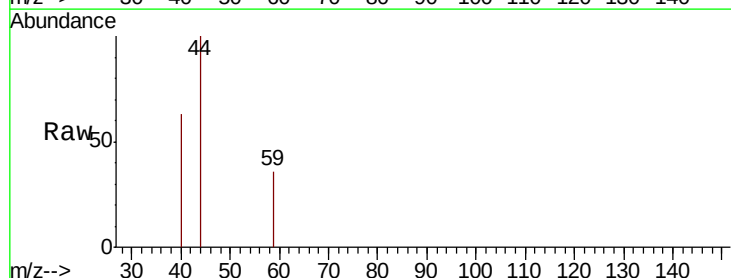
Acq: 3 Jul 2019 15:10

Tgt Ion: 59 Resp: 960

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

4.07

500

400

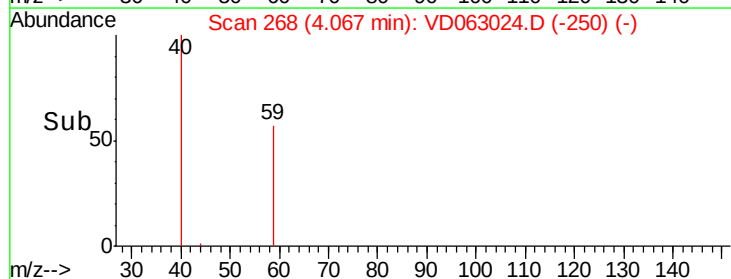
300

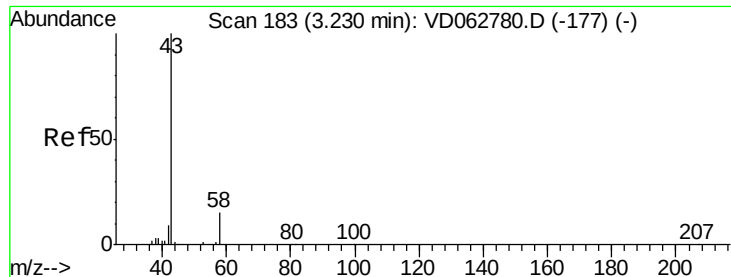
200

100

0

Time-->





#16

Acetone

Concen: 48.281 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063024.D

Acq: 3 Jul 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

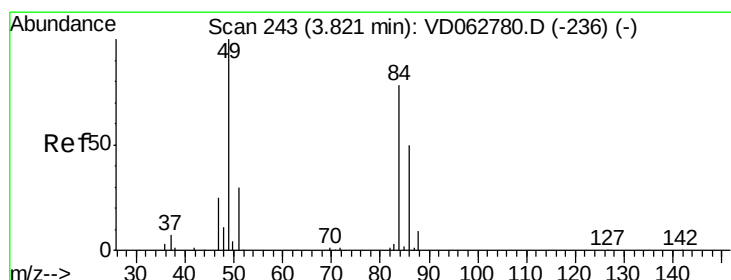
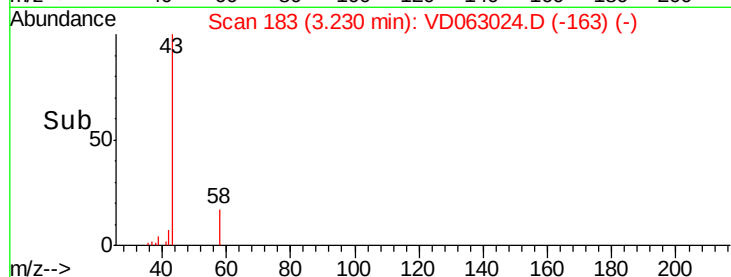
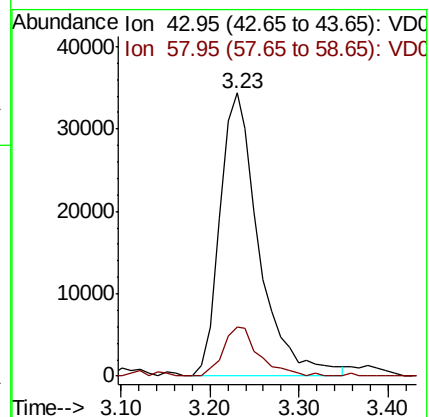
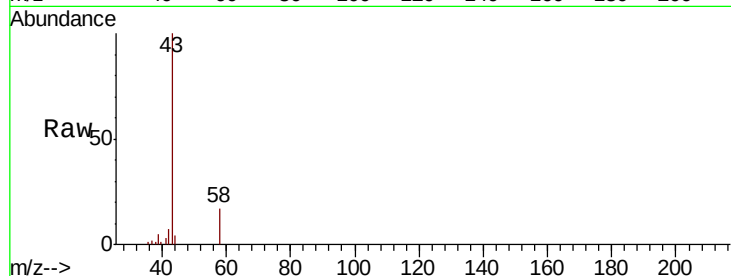
FK-0D015-03-011RE

Tot Ion: 43 Resp: 105289

Ion Ratio Lower Upper

43 100

58 17.2 11.9 17.9



#20

Methylene Chloride

Concen: 4.289 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD063024.D

Acq: 3 Jul 2019 15:10

Tgt Ion: 84 Resp: 31491

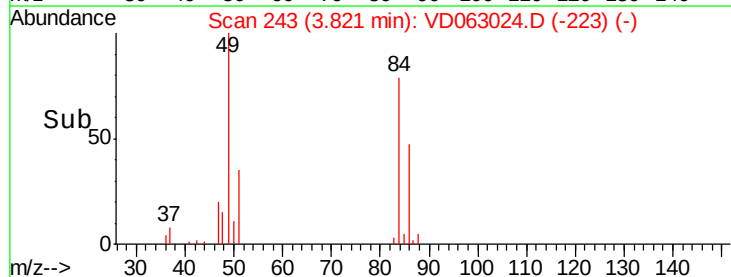
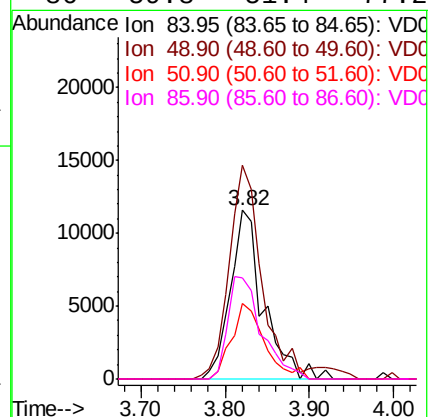
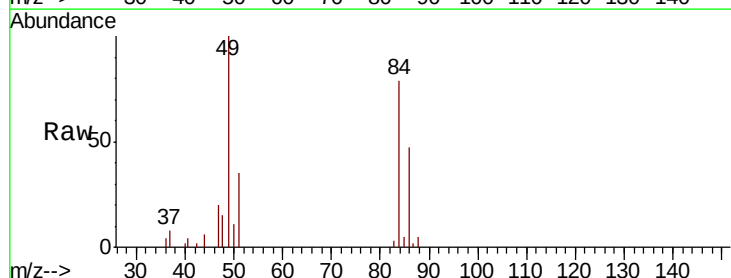
Ion Ratio Lower Upper

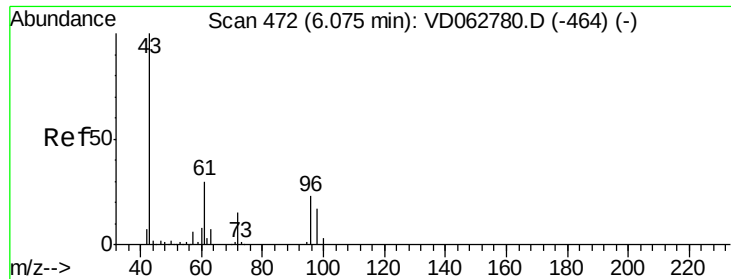
84 100

49 126.7 102.9 154.3

51 44.6 31.2 46.8

86 59.8 51.4 77.2

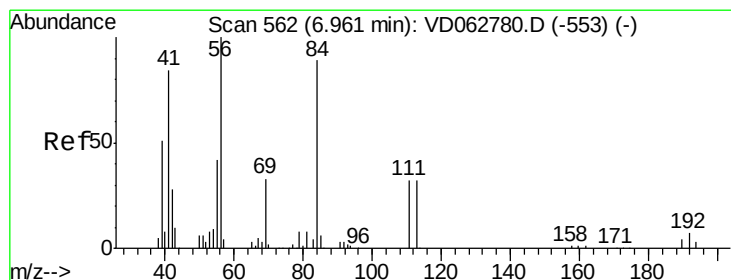
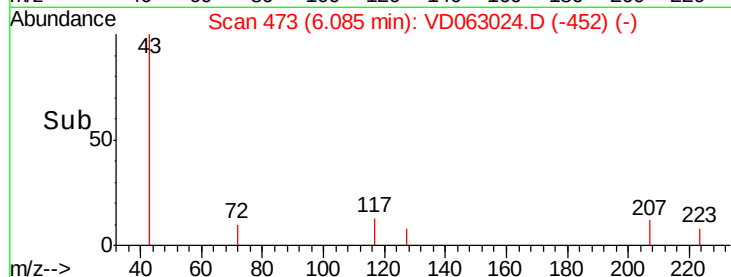
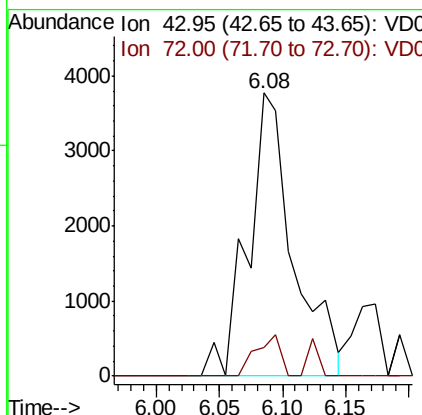
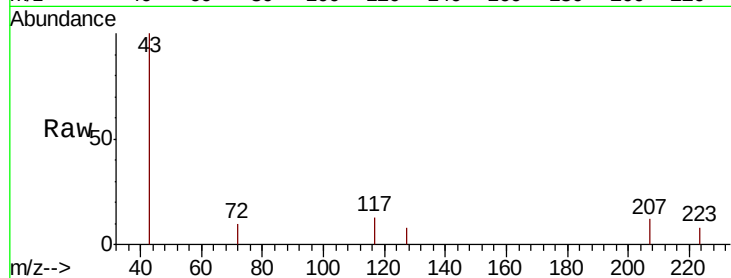




#25
2-Butanone
Concen: 5.233 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD063024.D
Acq: 3 Jul 2019 15:10

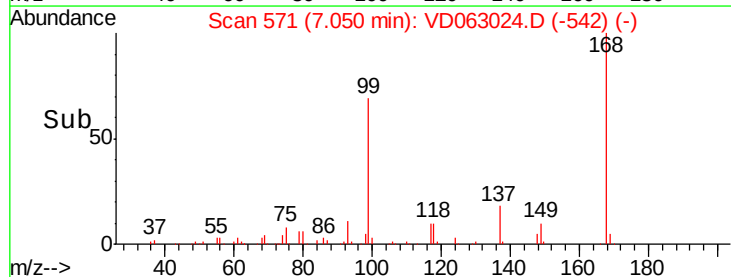
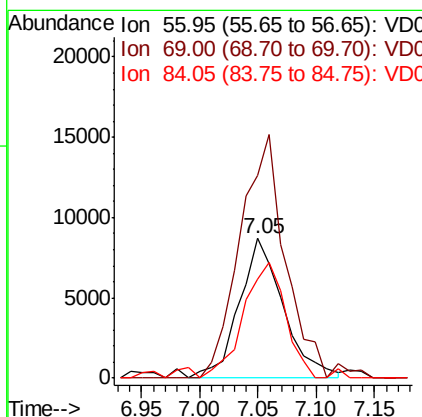
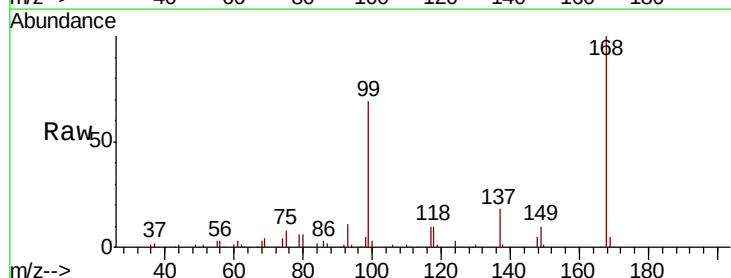
Instrument :
MSVOA_D
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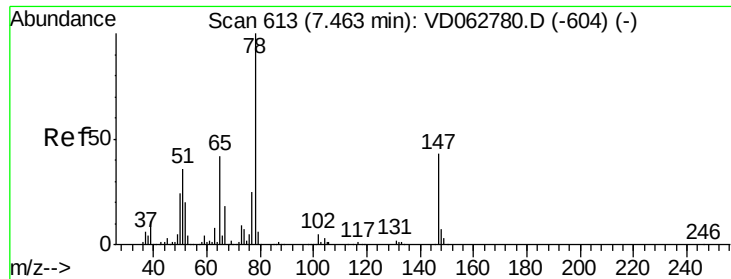
Tot Ion: 43 Resp: 9423
Ion Ratio Lower Upper
43 100
72 10.3 11.9 17.9#



#31
Cyclohexane
Concen: 2.529 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD063024.D
Acq: 3 Jul 2019 15:10

Tgt Ion: 56 Resp: 22869
Ion Ratio Lower Upper
56 100
69 149.2 26.6 39.8#
84 70.6 75.5 113.3#

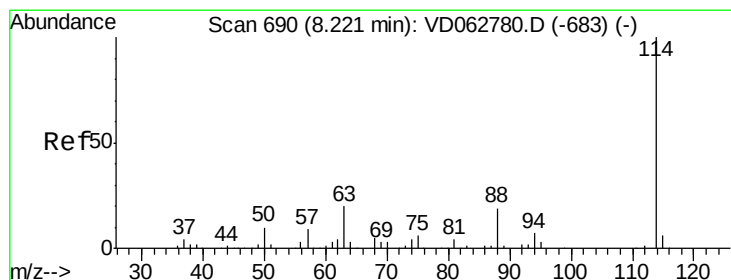
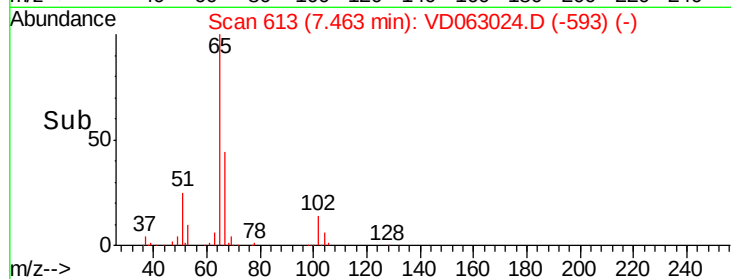
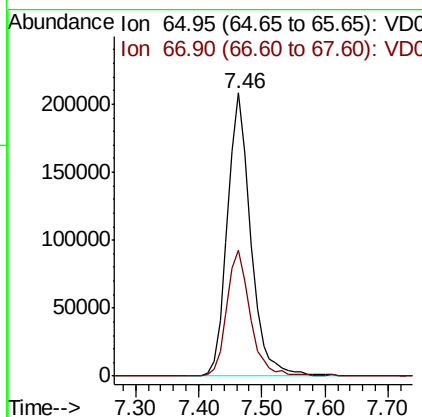
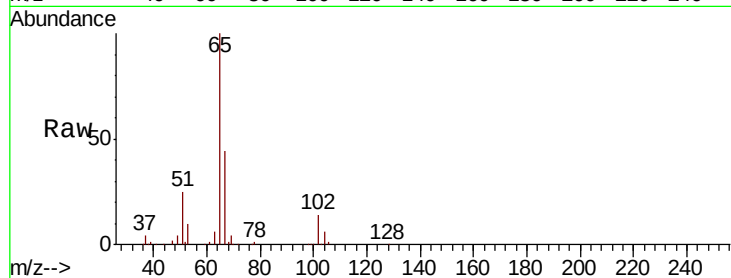




#33
 1,2-Dichloroethane-d4
 Concen: 55.463 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063024.D
 Acq: 3 Jul 2019 15:10

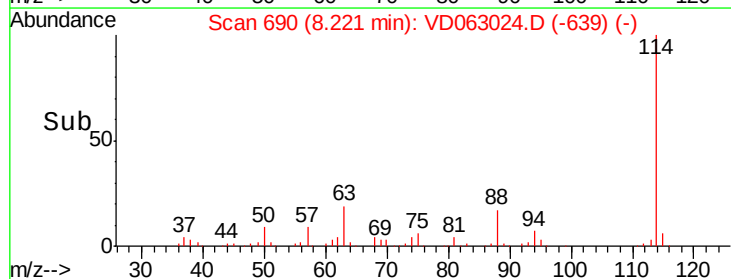
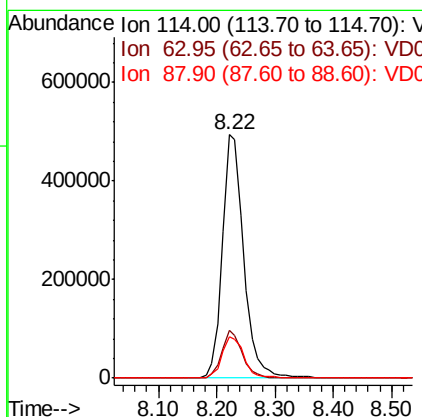
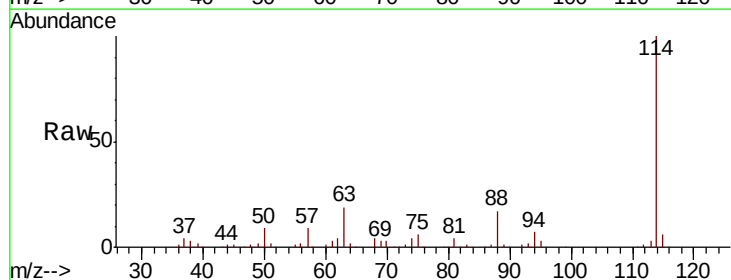
Instrument :
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 ClientSampleId :
 FK-0D015-03-011RE

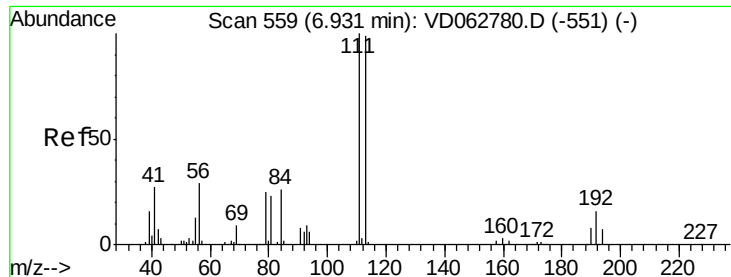
Tot Ion: 65 Resp: 534005
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD063024.D
 Acq: 3 Jul 2019 15:10

Tgt Ion: 114 Resp: 1255025
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 17.0 0.0 38.8

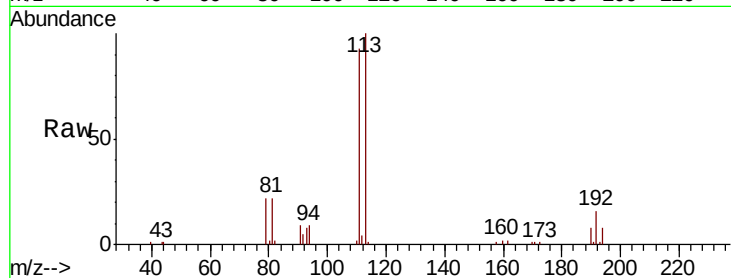




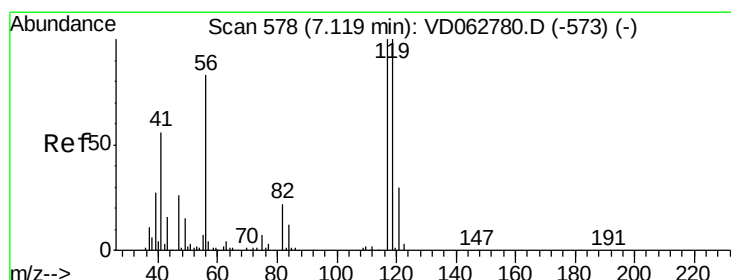
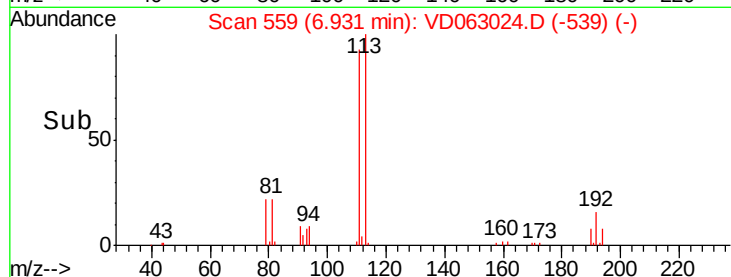
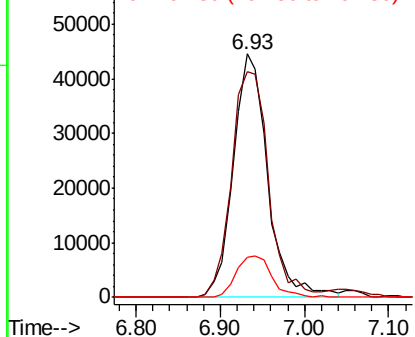
#35
Dibromofluoromethane
Concen: 11.965 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD063024.D
Acq: 3 Jul 2019 15:10

Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-011RE

Tot Ion	Ratio	Lower	Upper
113	100		
111	92.9	81.2	121.8
192	16.3	12.9	19.3

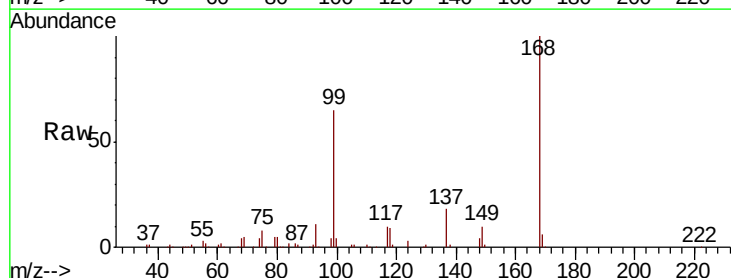


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

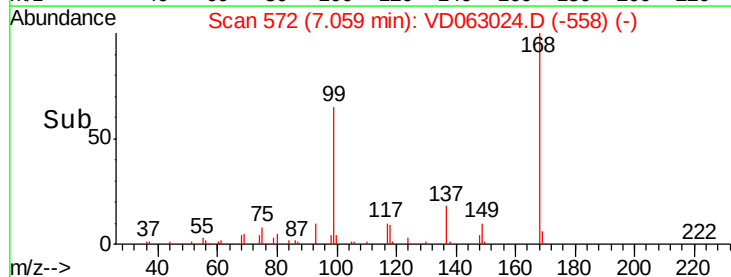
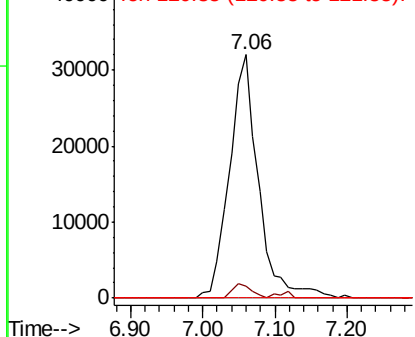


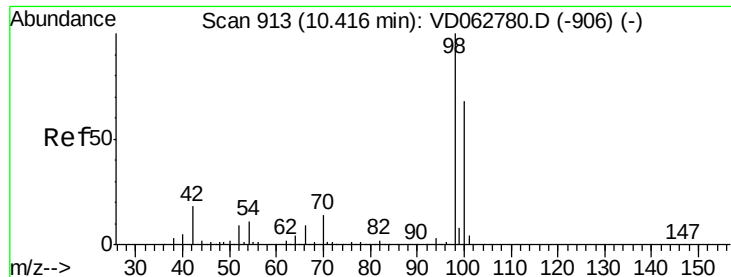
#38
Carbon Tetrachloride
Concen: 5.012 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD063024.D
Acq: 3 Jul 2019 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	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

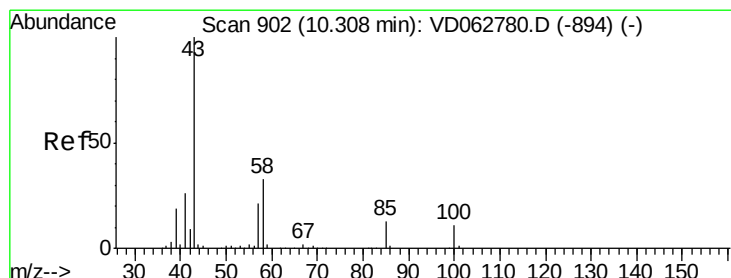
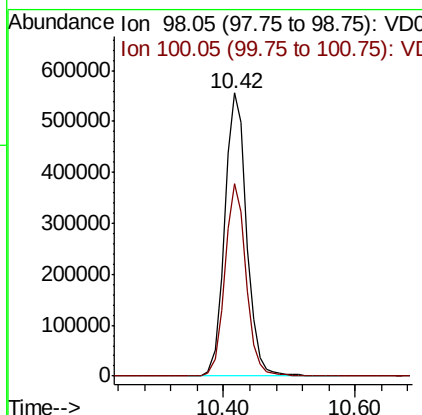
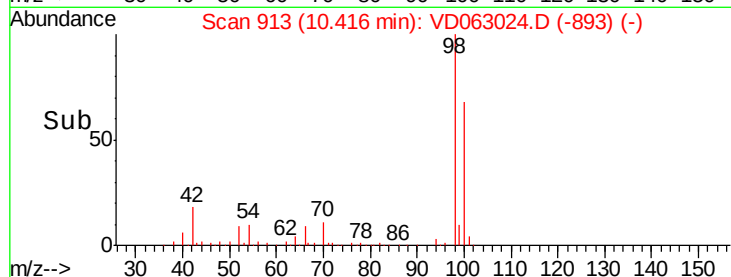
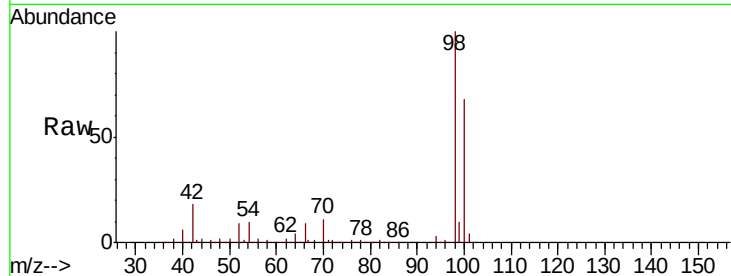




#50
Toluene-d8
Concen: 56.185 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063024.D
Acq: 3 Jul 2019 15:10

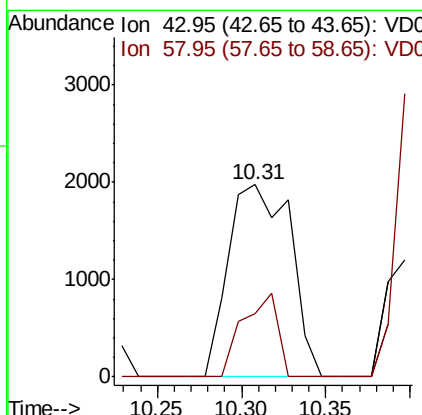
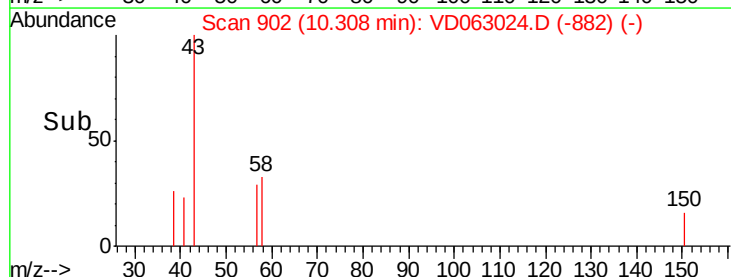
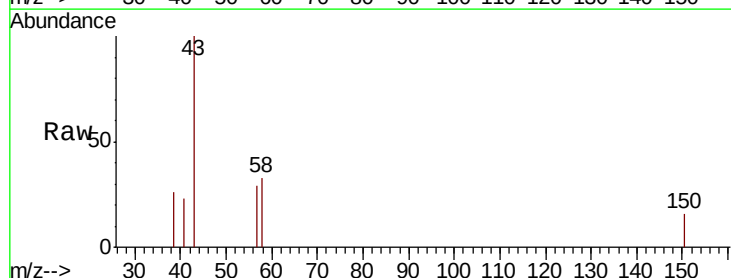
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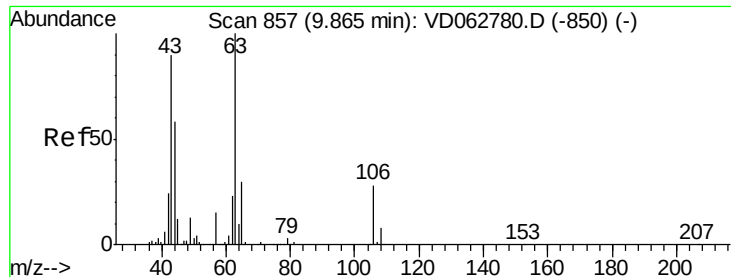
Tot Ion: 98 Resp: 1294041
Ion Ratio Lower Upper
98 100
100 68.0 54.7 82.1



#51
4-Methyl-2-Pentanone
Concen: 1.140 ug/l
RT: 10.31 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD063024.D
Acq: 3 Jul 2019 15:10

Tgt Ion: 43 Resp: 5036
Ion Ratio Lower Upper
43 100
58 33.2 26.6 40.0

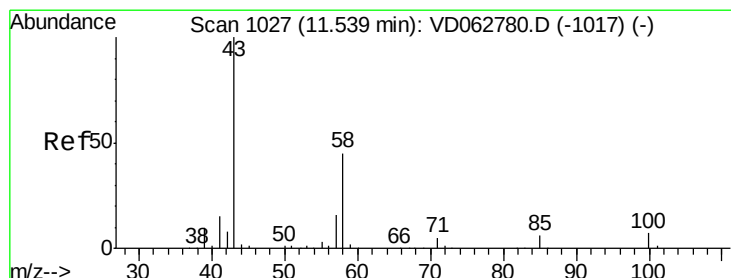
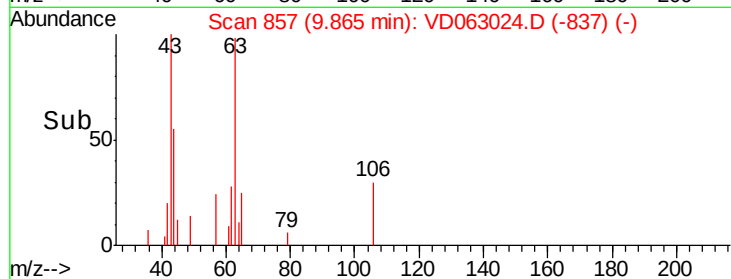
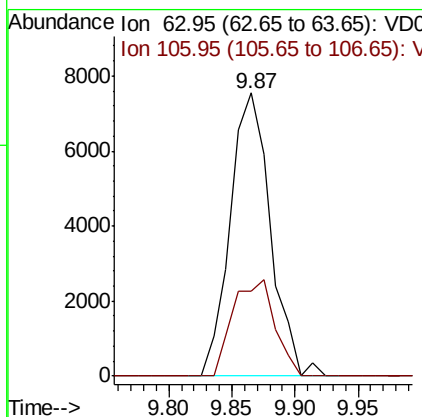
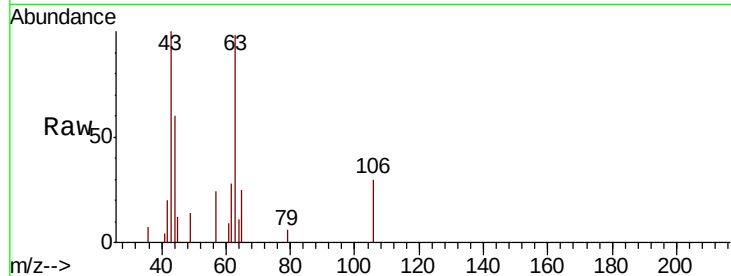




#58
 2-Chloroethyl Vinyl ether
 Concen: 5.495 ug/l
 RT: 9.87 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD063024.D
 Acq: 3 Jul 2019 15:10

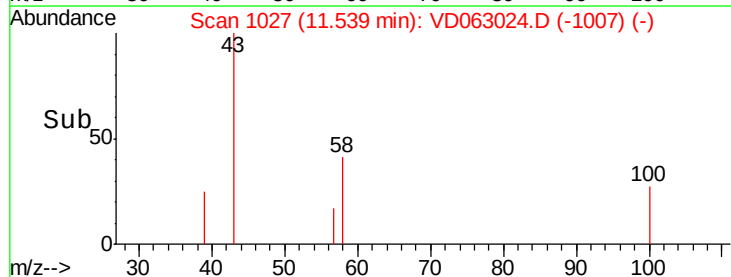
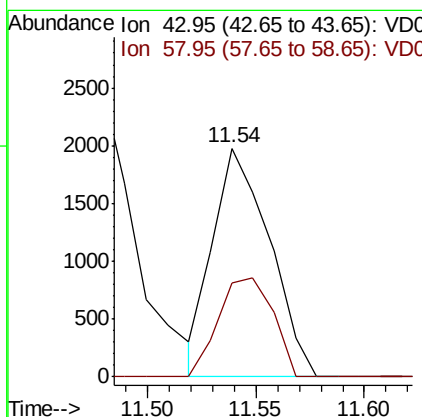
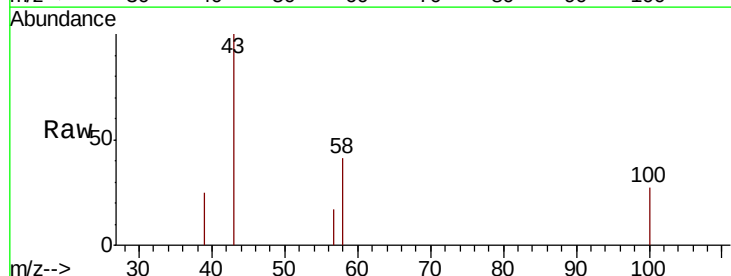
Instrument :
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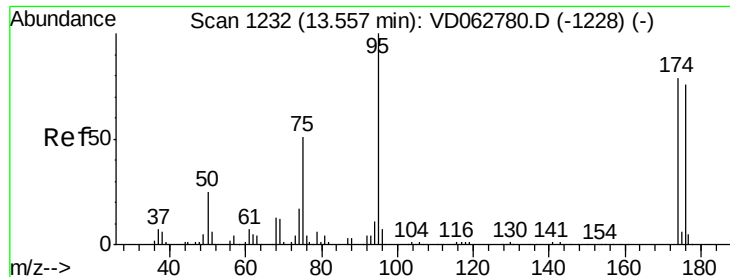
Tot Ion: 63 Resp: 16604
 Ion Ratio Lower Upper
 63 100
 106 30.2 22.1 33.1



#59
 2-Hexanone
 Concen: 1.141 ug/l
 RT: 11.54 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: VD063024.D
 Acq: 3 Jul 2019 15:10

Tgt Ion: 43 Resp: 3590
 Ion Ratio Lower Upper
 43 100
 58 40.9 22.4 67.2





#62

4-Bromofluorobenzene

Concen: 53.125 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063024.D

Acq: 3 Jul 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-011RE

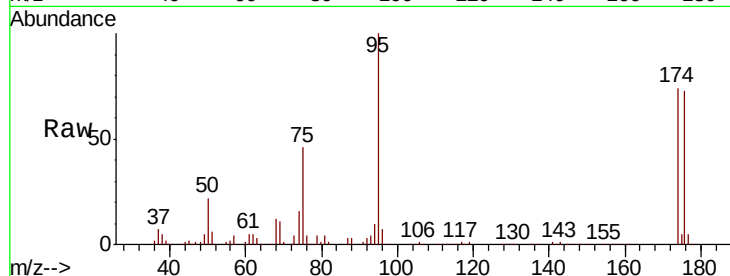
Tot Ion: 95 Resp: 556371

Ion Ratio Lower Upper

95 100

174 74.0 0.0 158.0

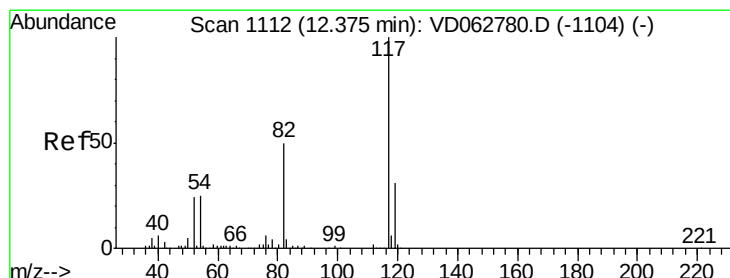
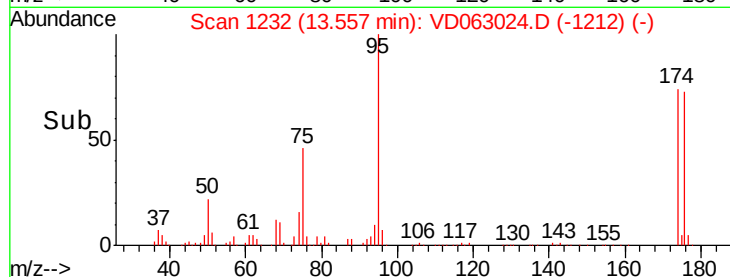
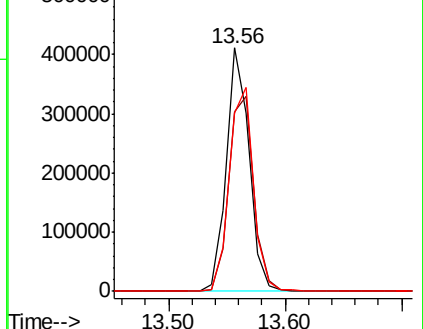
176 73.4 0.0 151.6



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: 12.38 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063024.D

Acq: 3 Jul 2019 15:10

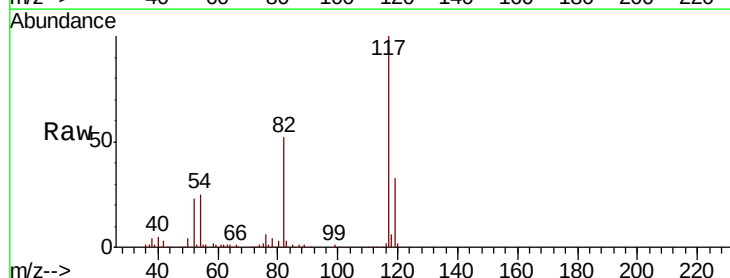
Tgt Ion: 117 Resp: 1079639

Ion Ratio Lower Upper

117 100

82 52.0 40.4 60.6

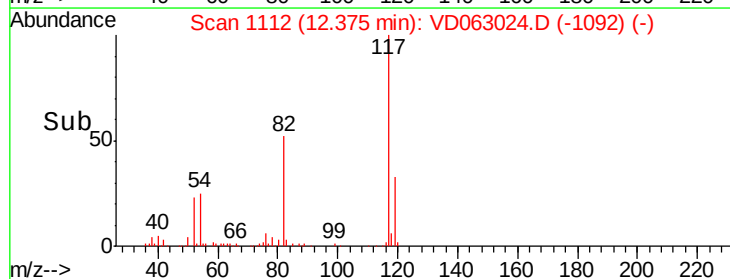
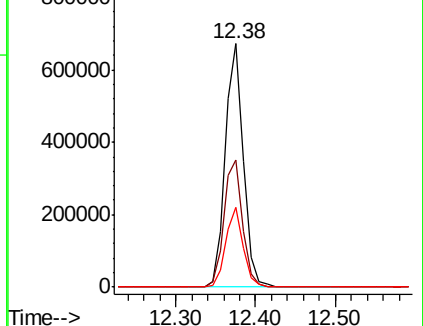
119 32.8 25.2 37.8

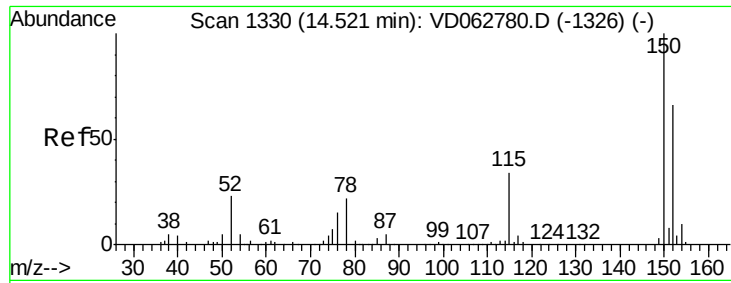


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063024.D

Acq: 3 Jul 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-011RE

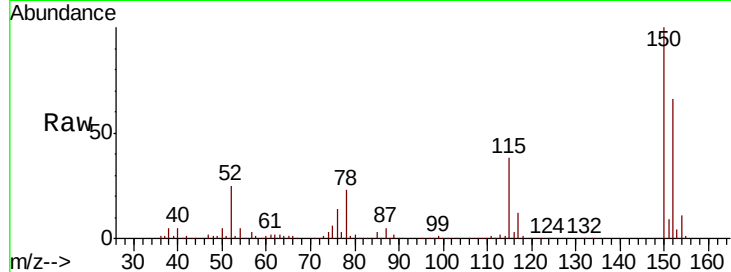
Tot Ion:152 Resp: 555501

Ion Ratio Lower Upper

152 100

115 57.1 29.2 87.6

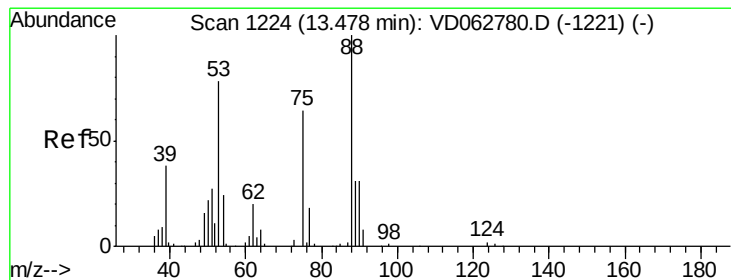
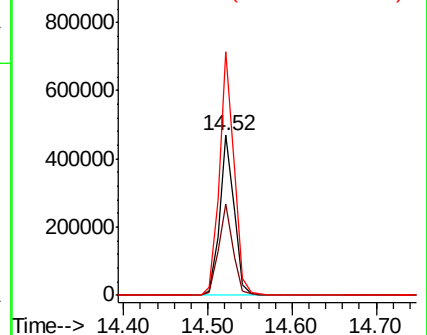
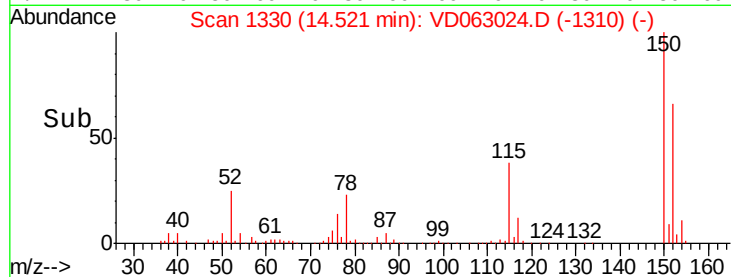
150 152.0 0.0 305.8



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: 151.538 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063024.D

Acq: 3 Jul 2019 15:10

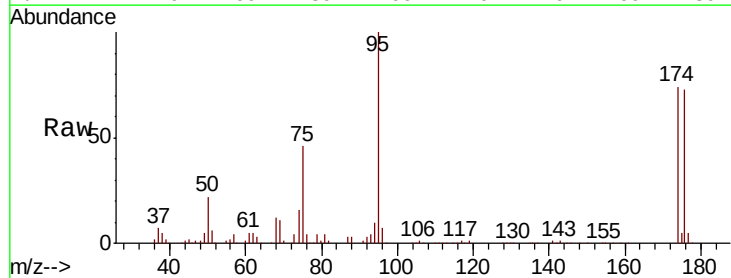
Tgt Ion: 75 Resp: 254692

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

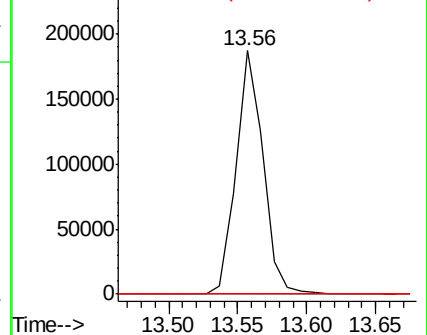
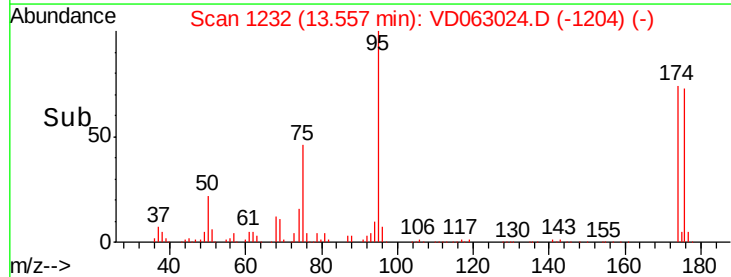
89 0.0 39.4 59.2#

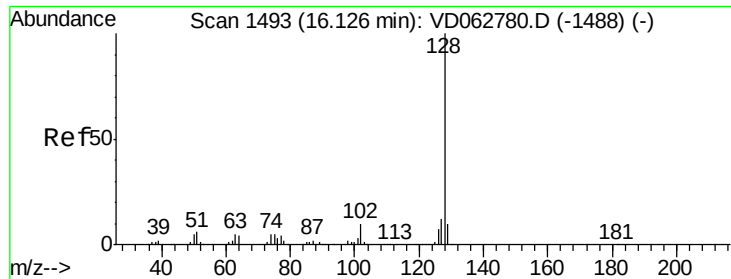


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 1.074 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063024.D

Acq: 3 Jul 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-011RE

Tot Ion:128 Resp: 17274

Ion Ratio Lower Upper

128 100

127 6.6 9.7 14.5#

129 7.5 8.3 12.5#

