

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070319\
 Data File : VD063021.D
 Acq On : 3 Jul 2019 13:19
 Operator : VA/AP
 Sample : K3646-02
 Misc : 4.52g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 04 00:45:47 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	7.05	168	988358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1331413	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1089863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	584843	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	445587	41.48	ug/l	0.00
Spiked Amount			Recovery	=	82.96%	
35) Dibromofluoromethane	6.93	113	26157	2.33	ug/l	0.00
Spiked Amount			Recovery	=	4.66%	
50) Toluene-d8	10.41	98	1064591	43.57	ug/l	0.00
Spiked Amount			Recovery	=	87.14%	
62) 4-Bromofluorobenzene	13.56	95	464085	41.77	ug/l	0.00
Spiked Amount			Recovery	=	83.54%	

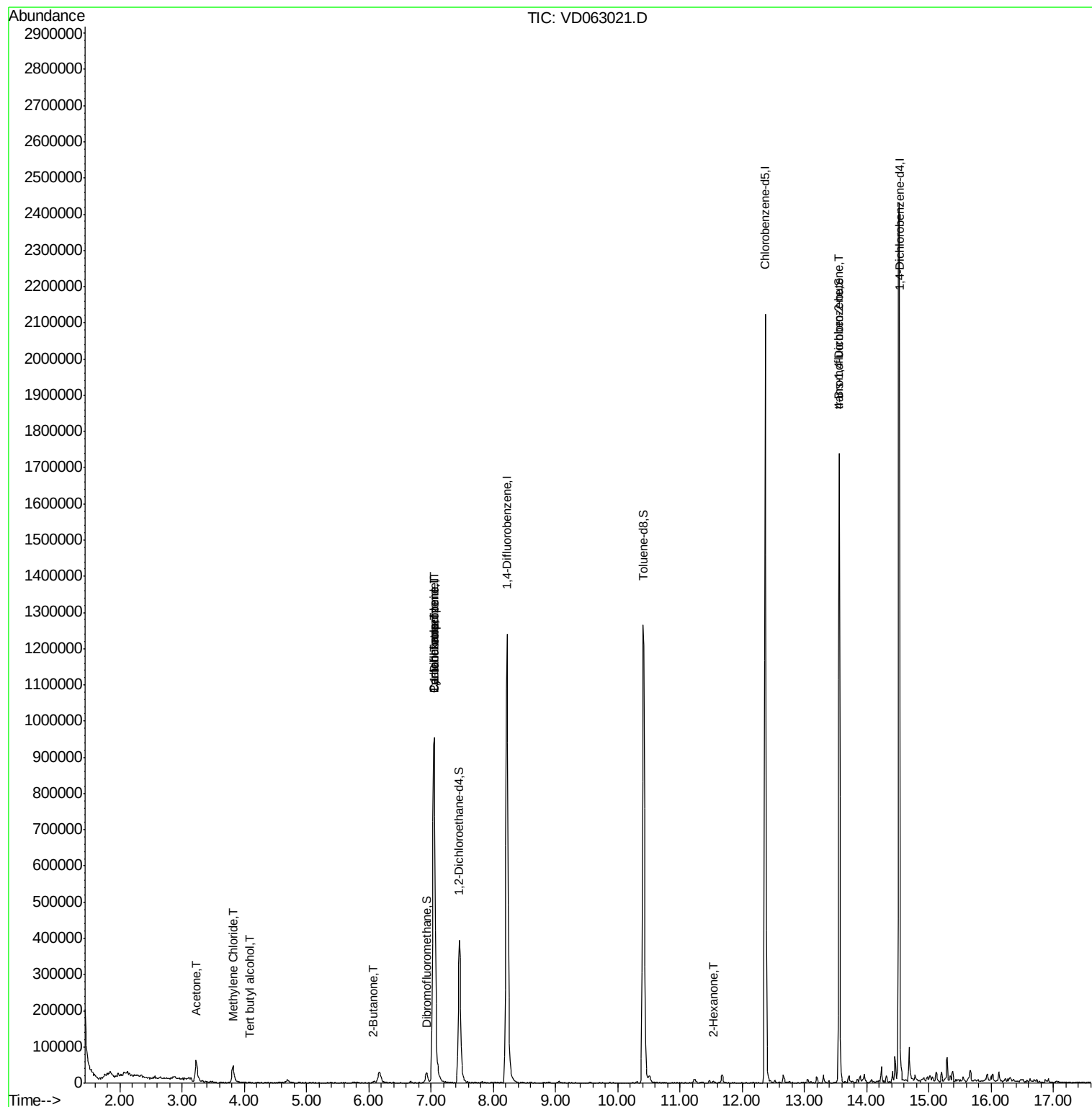
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.09	59	1241	2.536	ug/l #	1
16) Acetone	3.22	43	117088	48.094	ug/l	98
20) Methylene Chloride	3.81	84	26895	3.283	ug/l	96
25) 2-Butanone	6.08	43	8482	4.221	ug/l #	68
31) Cyclohexane	7.05	56	21270	2.108	ug/l #	26
36) 1,1-Dichloropropene	7.04	75	73143	5.803	ug/l #	52
37) Ethyl Acetate	6.17	43	3516	Below Cal	#	36
38) Carbon Tetrachloride	7.05	117	96497	5.091	ug/l #	16
59) 2-Hexanone	11.53	43	4492	1.346	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.56	75	216247	122.209	ug/l #	2

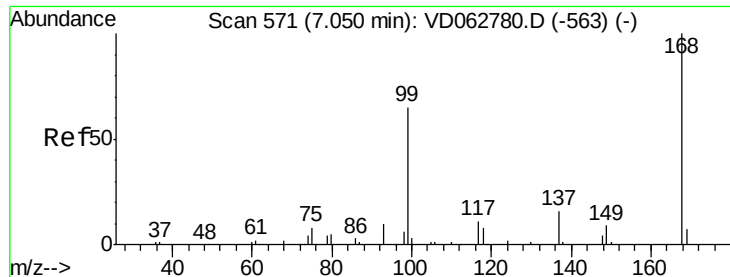
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD063021.D

Acq: 3 Jul 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

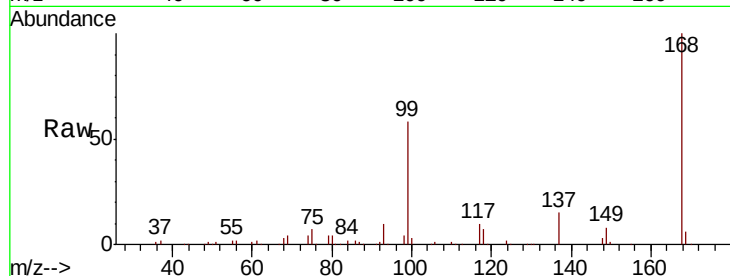
FK-0D015-03-011

Tot Ion:168 Resp: 988358

Ion Ratio Lower Upper

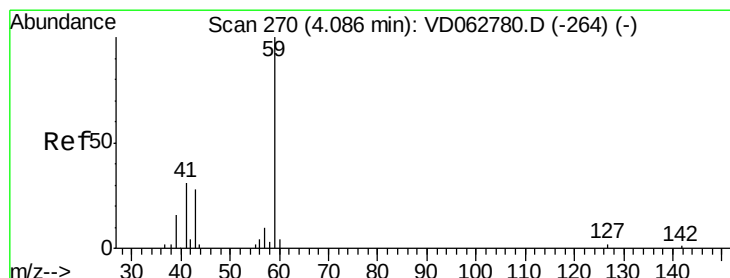
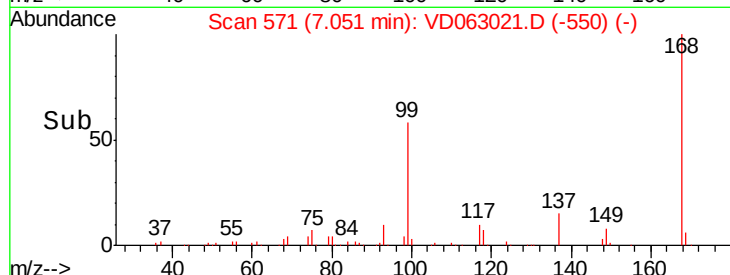
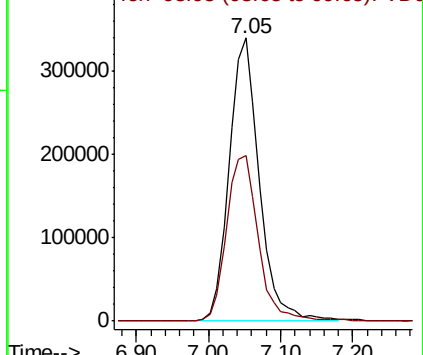
168 100

99 58.4 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: 2.536 ug/l

RT: 4.09 min Scan# 270

Delta R.T. 0.00 min

Lab File: VD063021.D

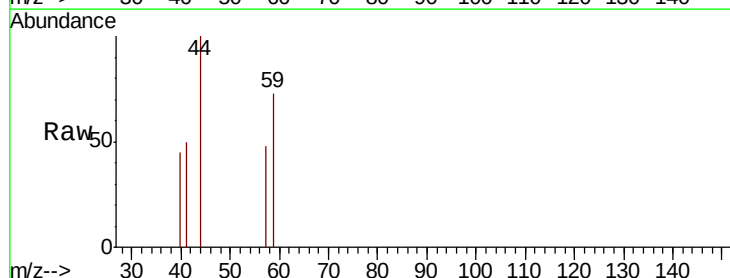
Acq: 3 Jul 2019 13:19

Tgt Ion: 59 Resp: 1241

Ion Ratio Lower Upper

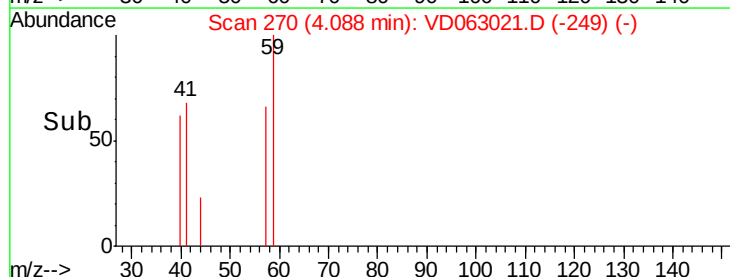
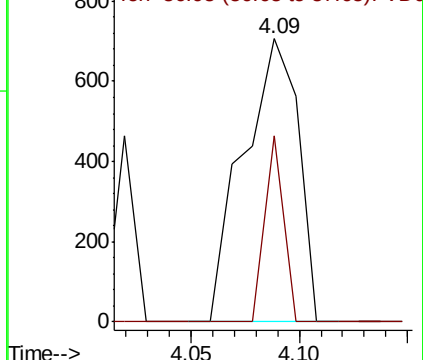
59 100

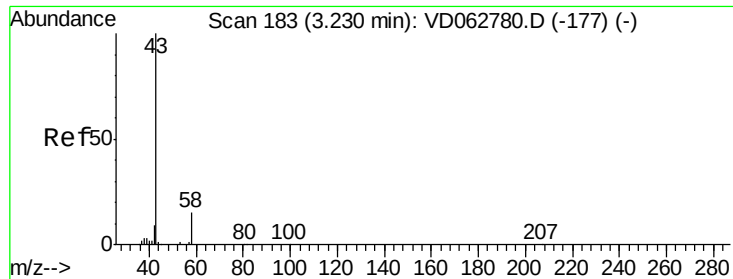
57 65.6 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 48.094 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063021.D

Acq: 3 Jul 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

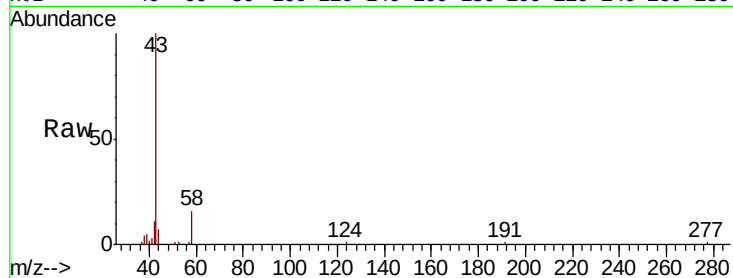
FK-0D015-03-011

Tot Ion: 43 Resp: 117088

Ion Ratio Lower Upper

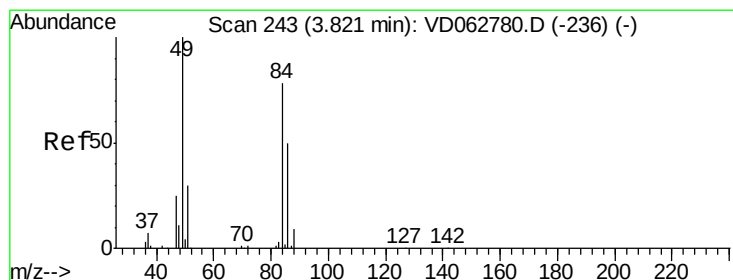
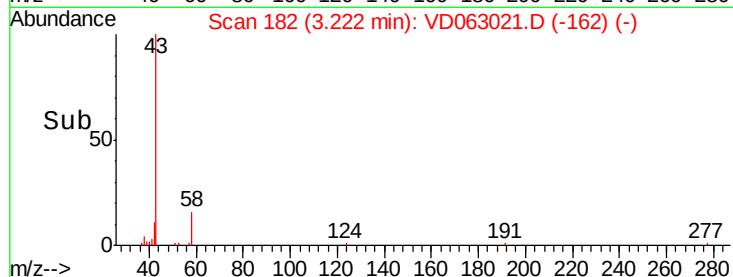
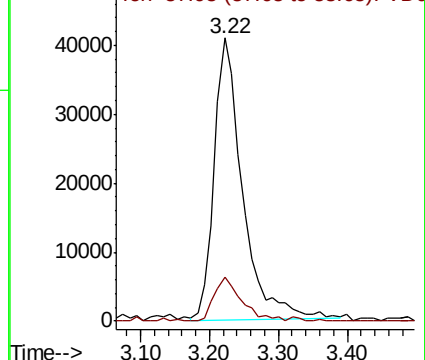
43 100

58 15.6 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.283 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD063021.D

Acq: 3 Jul 2019 13:19

Tgt Ion: 84 Resp: 26895

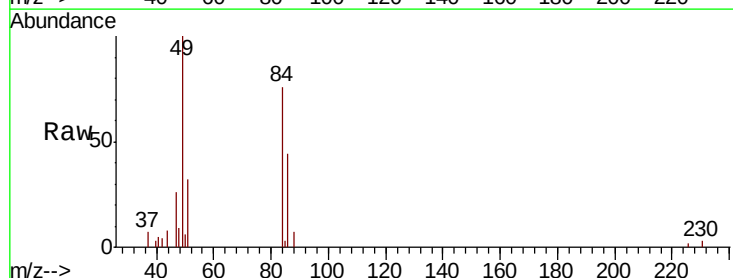
Ion Ratio Lower Upper

84 100

49 131.8 102.9 154.3

51 41.7 31.2 46.8

86 58.5 51.4 77.2

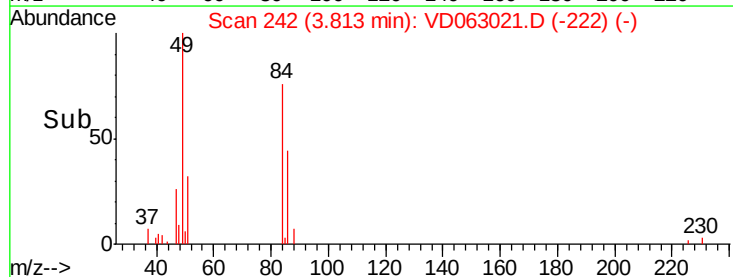
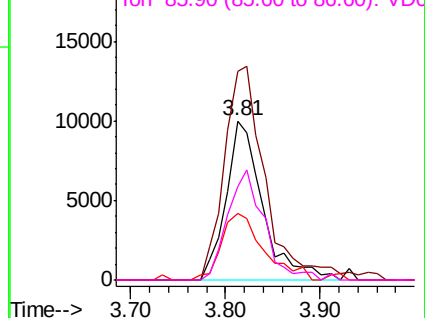


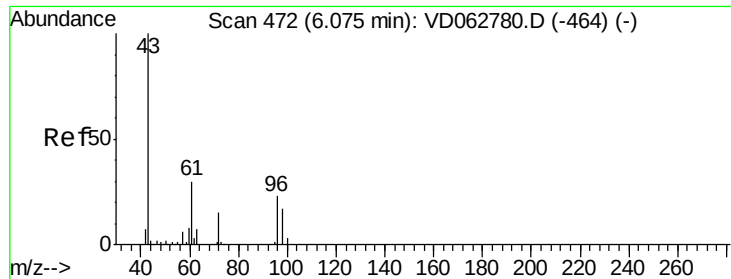
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

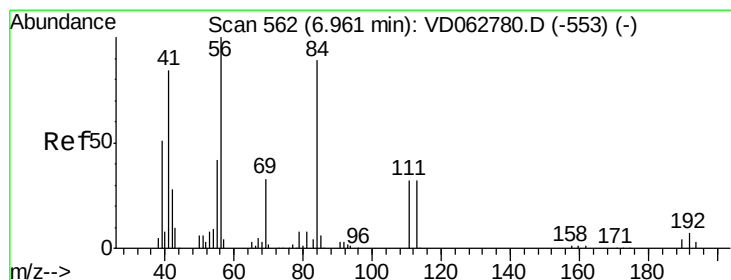
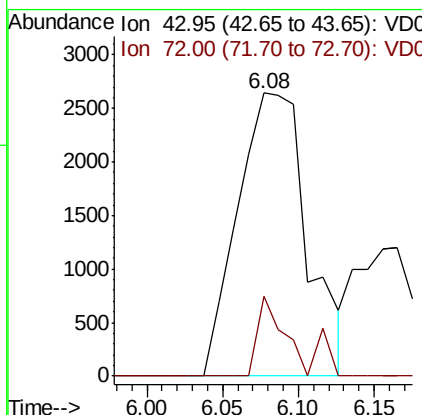
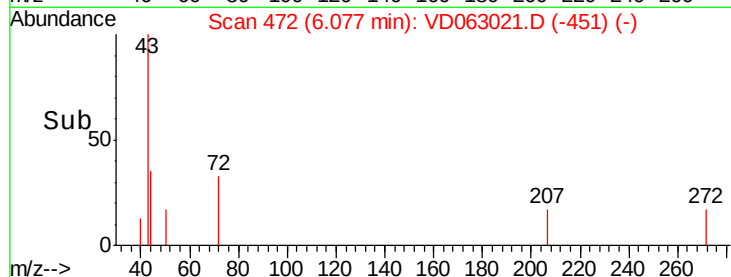
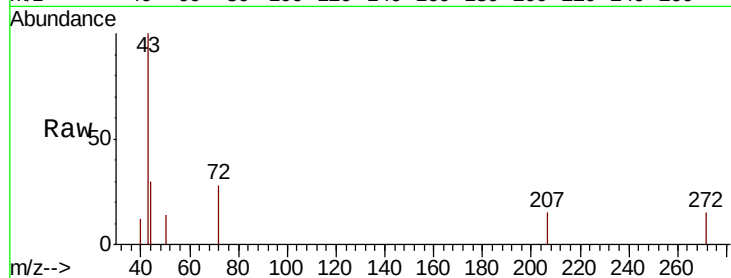




#25
2-Butanone
Concen: 4.221 ug/l
RT: 6.08 min Scan# 472
Delta R.T. 0.00 min
Lab File: VD063021.D
Acq: 3 Jul 2019 13:19

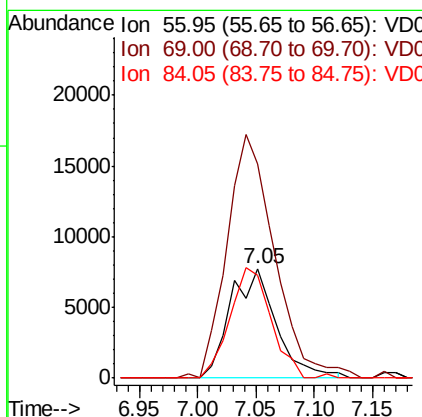
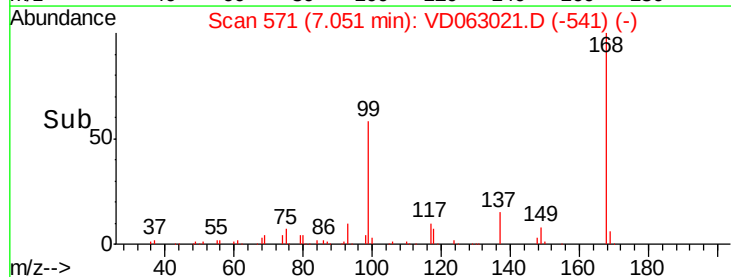
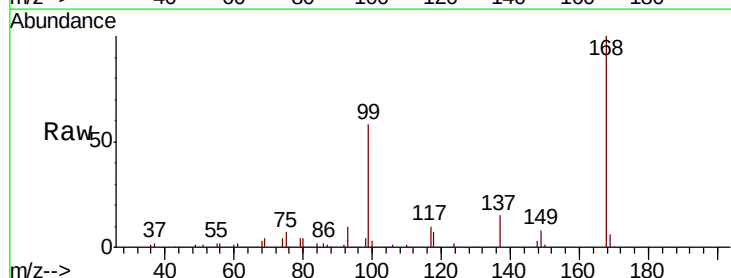
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-011

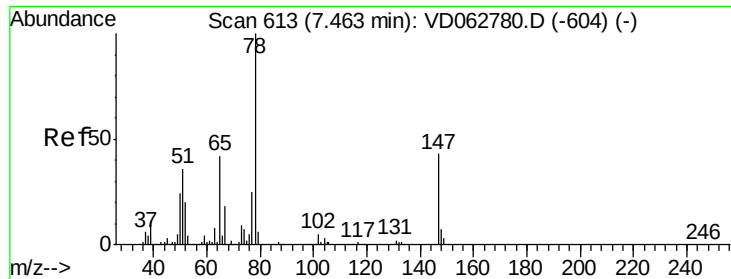
Tot Ion: 43 Resp: 8482
Ion Ratio Lower Upper
43 100
72 28.2 11.9 17.9#



#31
Cyclohexane
Concen: 2.108 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD063021.D
Acq: 3 Jul 2019 13:19

Tgt Ion: 56 Resp: 21270
Ion Ratio Lower Upper
56 100
69 195.2 26.6 39.8#
84 94.4 75.5 113.3

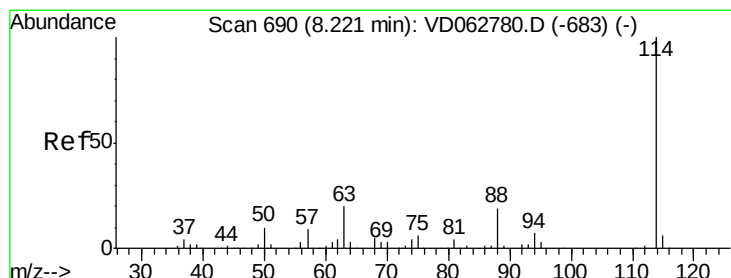
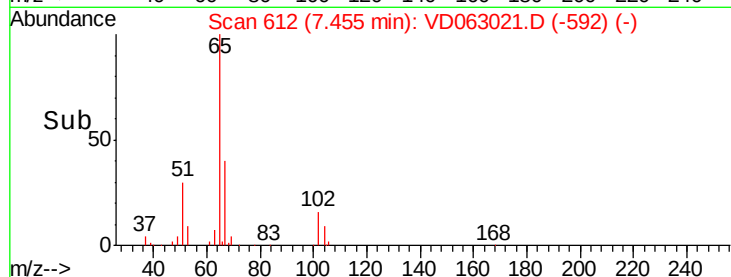
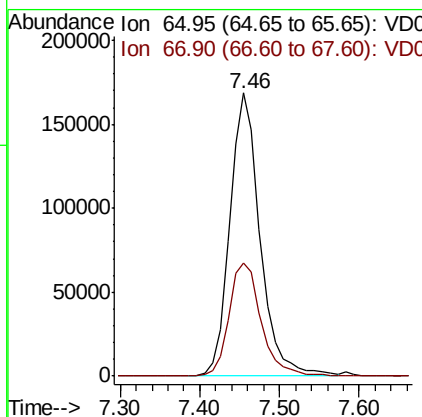
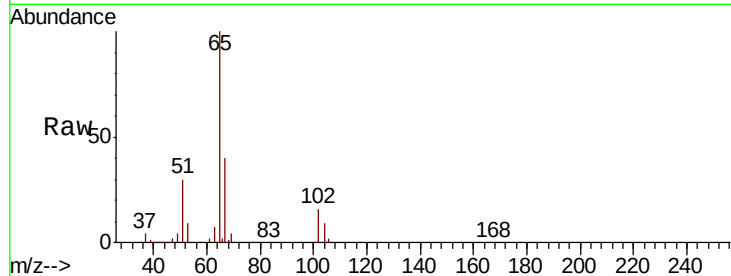




#33
 1,2-Dichloroethane-d4
 Concen: 41.476 ug/l
 RT: 7.46 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD063021.D
 Acq: 3 Jul 2019 13:19

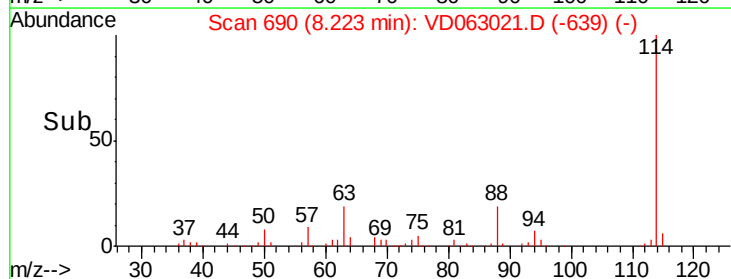
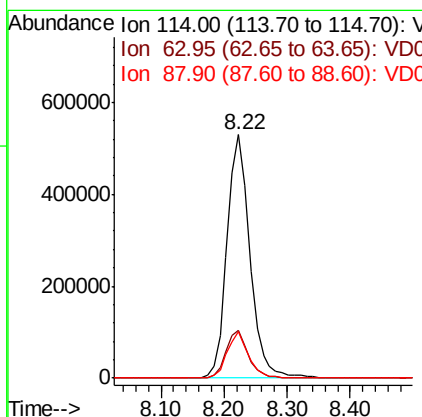
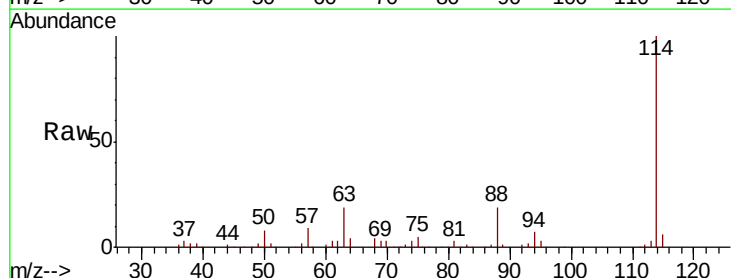
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-0D015-03-011

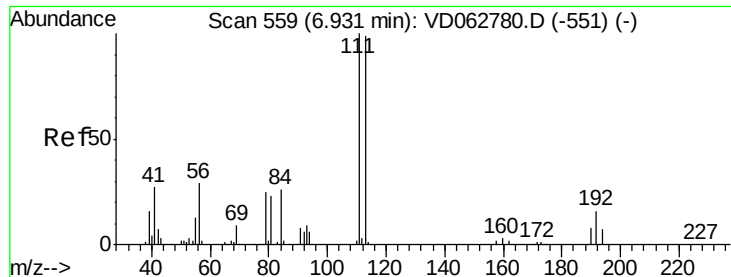
Tot Ion: 65 Resp: 445587
 Ion Ratio Lower Upper
 65 100
 67 39.8 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD063021.D
 Acq: 3 Jul 2019 13:19

Tgt Ion: 114 Resp: 1331413
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 19.0 0.0 38.8





#35

Dibromofluoromethane

Concen: 2.330 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD063021.D

Acq: 3 Jul 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-011

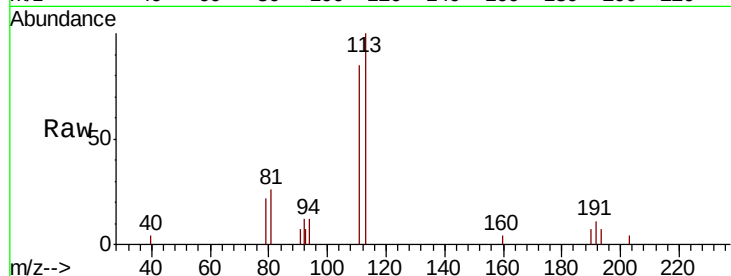
Tot Ion:113 Resp: 26157

Ion Ratio Lower Upper

113 100

111 84.8 81.2 121.8

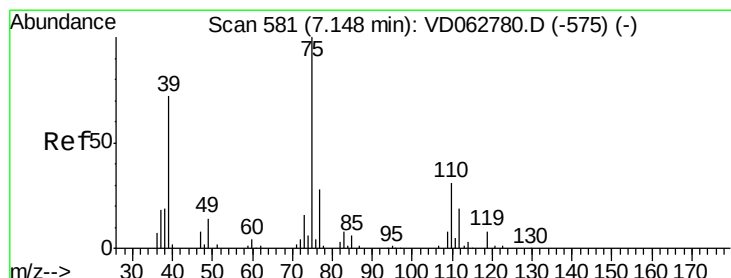
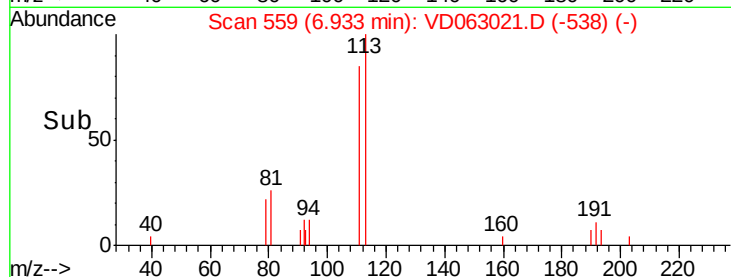
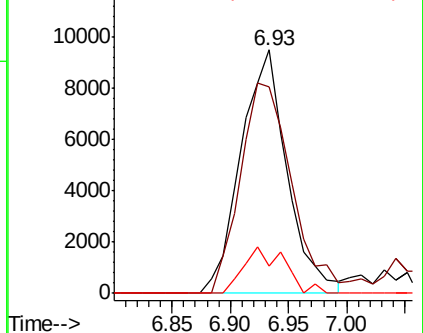
192 11.2 12.9 19.3#



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: 5.803 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD063021.D

Acq: 3 Jul 2019 13:19

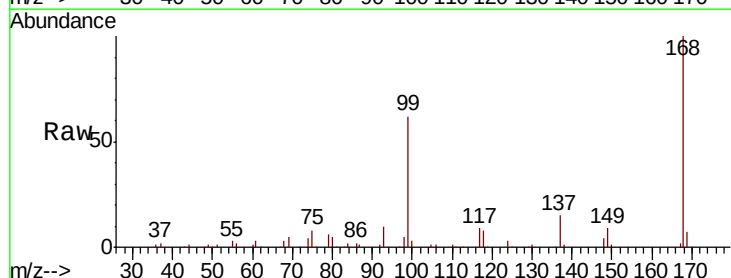
Tgt Ion: 75 Resp: 73143

Ion Ratio Lower Upper

75 100

110 6.4 15.0 45.1#

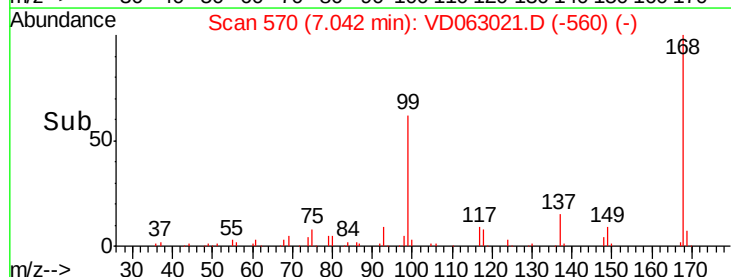
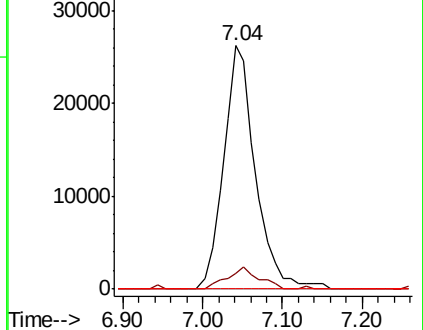
77 0.0 22.2 33.2#

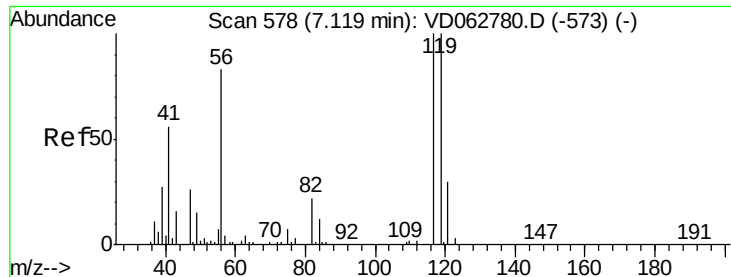


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

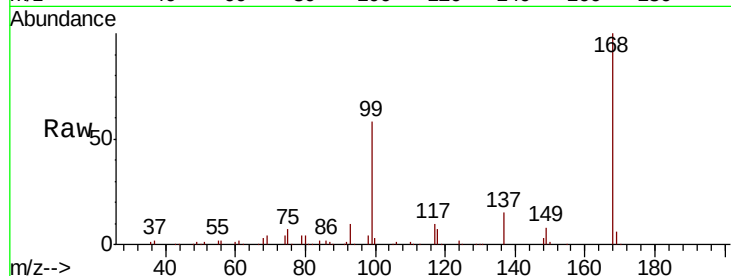




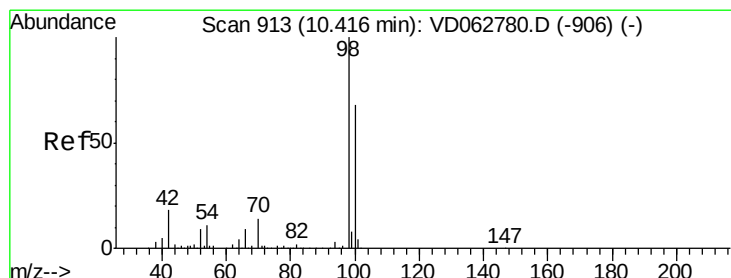
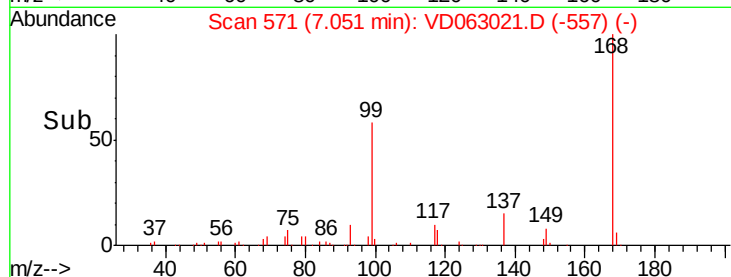
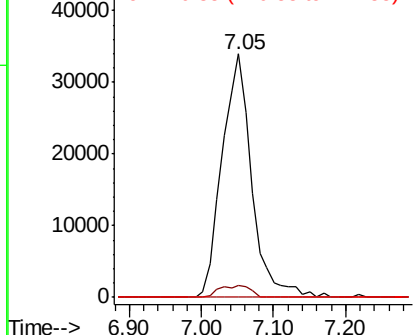
#38
Carbon Tetrachloride
Concen: 5.091 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD063021.D
Acq: 3 Jul 2019 13:19

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

Tot Ion:117 Resp: 96497
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 22.3 33.5#

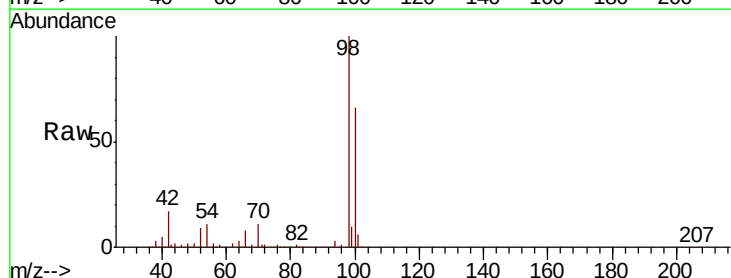


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

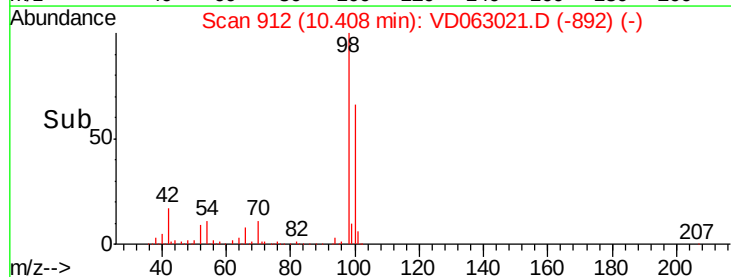
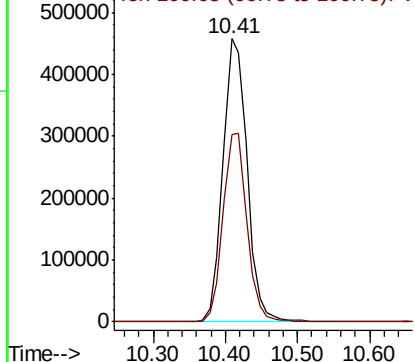


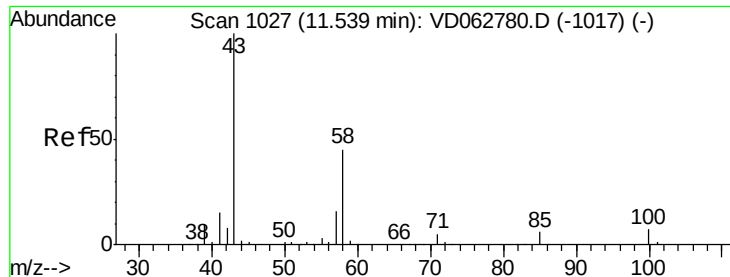
#50
Toluene-d8
Concen: 43.570 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063021.D
Acq: 3 Jul 2019 13:19

Tgt Ion: 98 Resp: 1064591
Ion Ratio Lower Upper
98 100
100 66.1 54.7 82.1



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

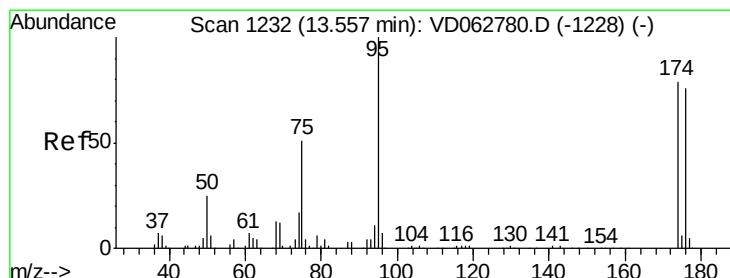
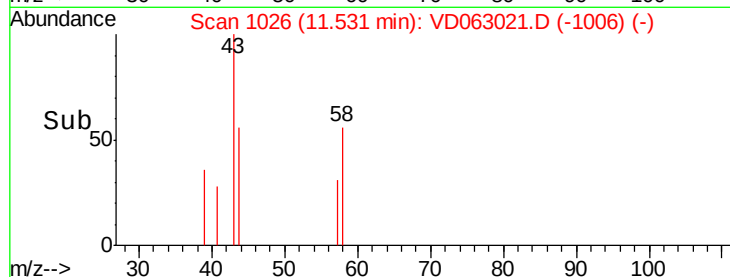
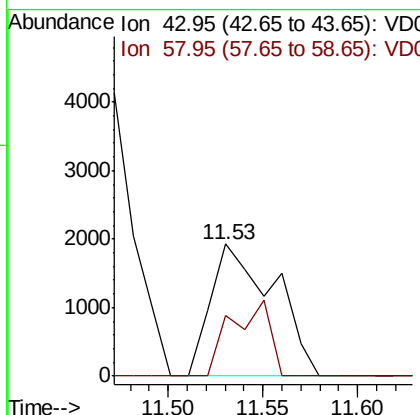
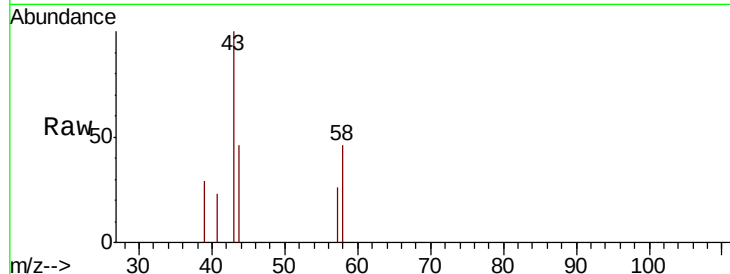




#59
2-Hexanone
Concen: 1.346 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD063021.D
Acq: 3 Jul 2019 13:19

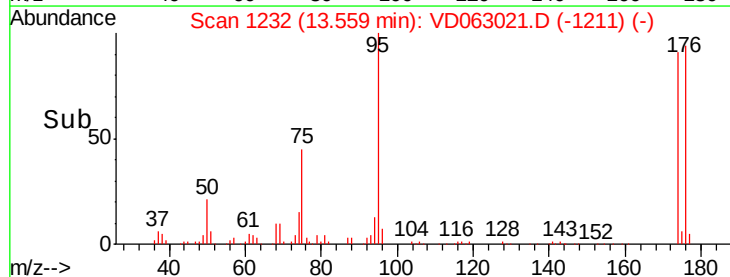
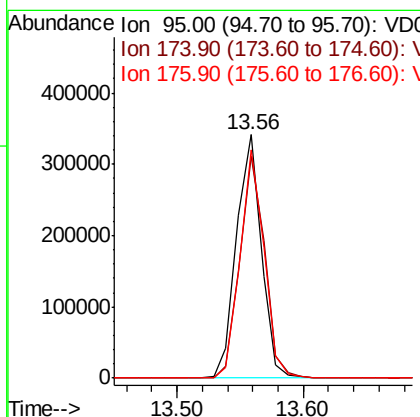
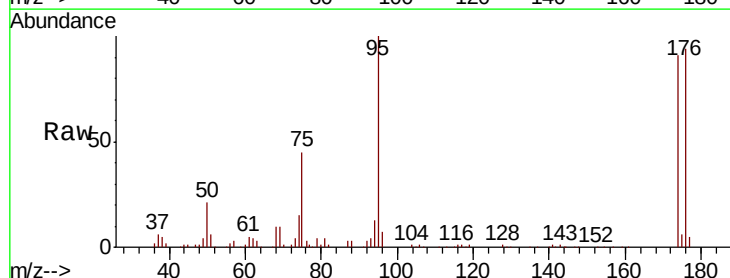
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-011

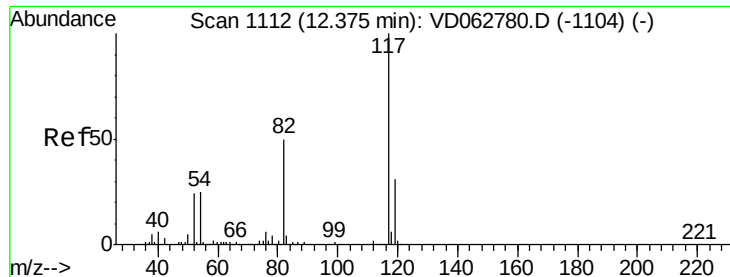
Tot Ion: 43 Resp: 4492
Ion Ratio Lower Upper
43 100
58 45.9 22.4 67.2



#62
4-Bromofluorobenzene
Concen: 41.771 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063021.D
Acq: 3 Jul 2019 13:19

Tgt Ion: 95 Resp: 464085
Ion Ratio Lower Upper
95 100
174 91.2 0.0 158.0
176 93.8 0.0 151.6

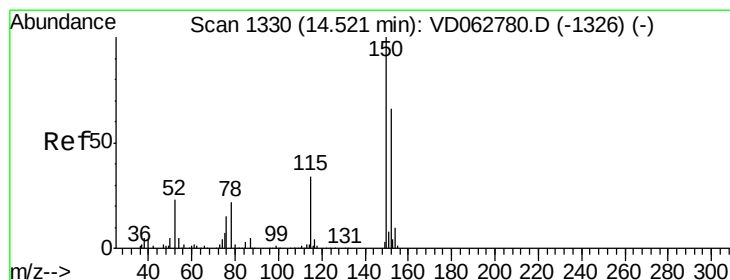
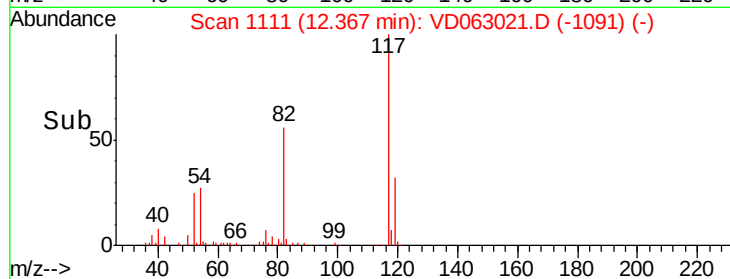
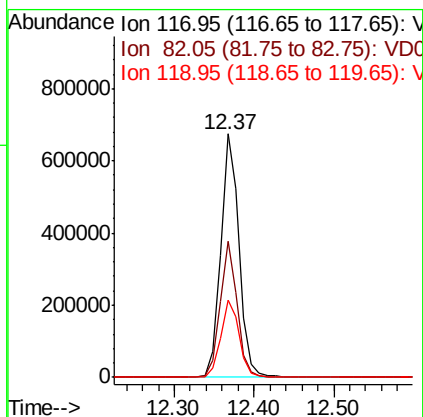
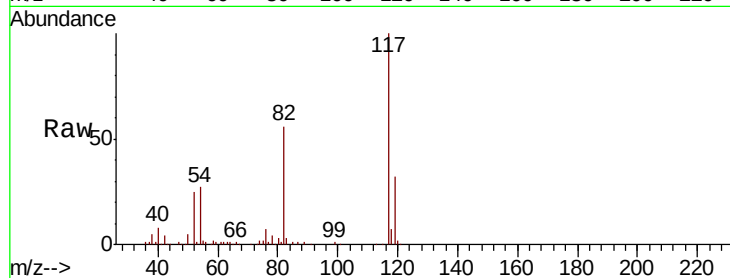




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063021.D
Acq: 3 Jul 2019 13:19

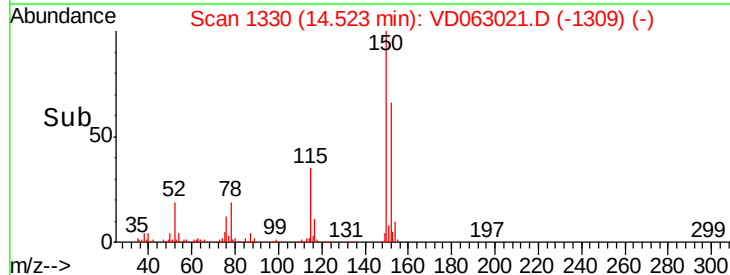
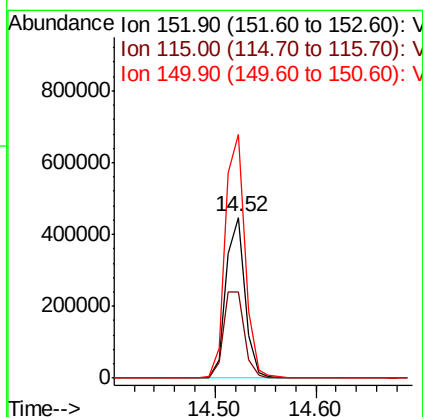
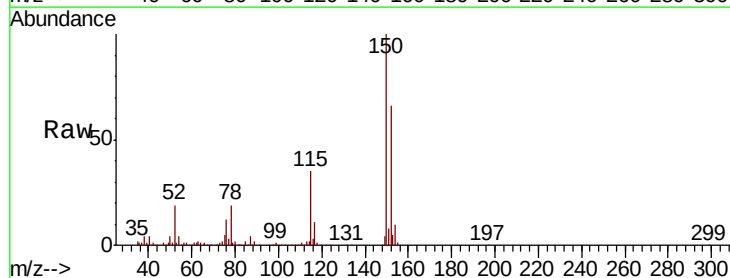
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-011

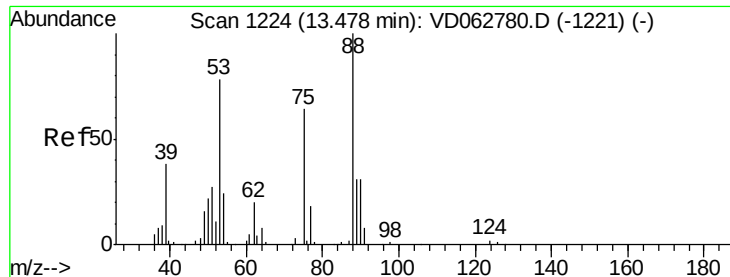
Tot Ion:117 Resp: 1089863
Ion Ratio Lower Upper
117 100
82 56.1 40.4 60.6
119 32.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063021.D
Acq: 3 Jul 2019 13:19

Tgt Ion:152 Resp: 584843
Ion Ratio Lower Upper
152 100
115 53.4 29.2 87.6
150 151.2 0.0 305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 122.209 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063021.D

Acq: 3 Jul 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-011

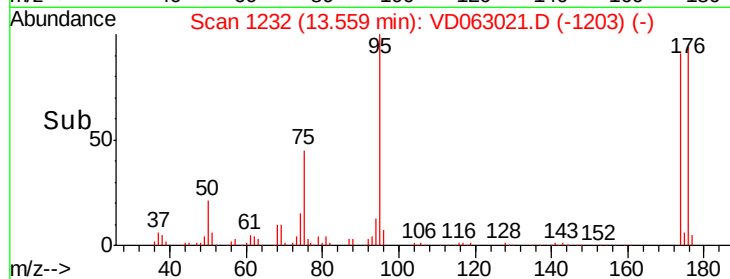
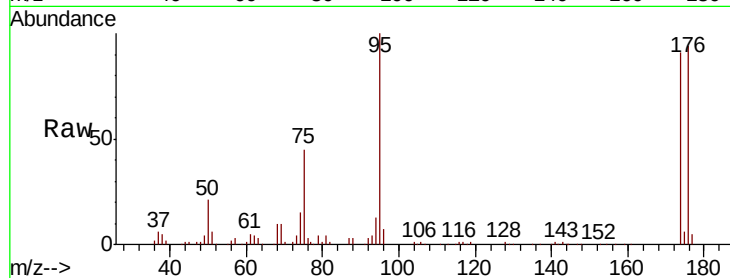
Tot Ion: 75 Resp: 216247

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

