

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062967.D
 Acq On : 28 Jun 2019 15:44
 Operator : VA/AP
 Sample : K3158-07
 Misc : 5.87g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-062719

Quant Time: Jun 29 00:15:35 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	619974	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	905167	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	580680	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	202828	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	422996	62.77	ug/l	-0.03
Spiked Amount			Recovery	=	125.54%	
35) Dibromofluoromethane	6.90	113	432860	56.71	ug/l	-0.03
Spiked Amount			Recovery	=	113.42%	
50) Toluene-d8	10.39	98	707776	42.61	ug/l	-0.02
Spiked Amount			Recovery	=	85.22%	
62) 4-Bromofluorobenzene	13.54	95	245226	32.47	ug/l	-0.01
Spiked Amount			Recovery	=	64.94%	

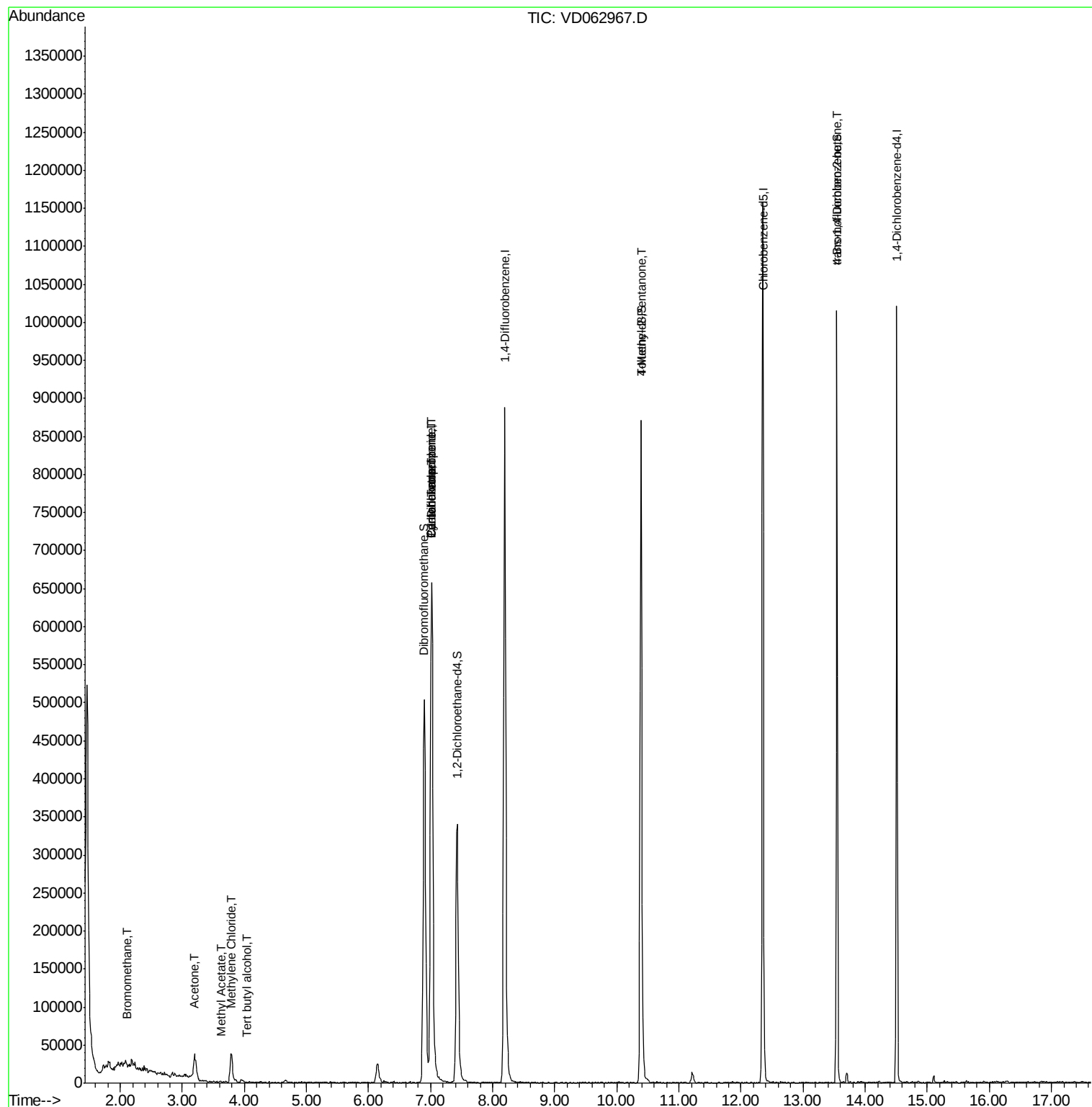
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.11	94	4197	1.498	ug/l #	13
11) Tert butyl alcohol	4.03	59	554	1.805	ug/l #	77
16) Acetone	3.20	43	64619	41.448	ug/l	98
18) Methyl Acetate	3.62	43	2109	1.037	ug/l #	58
20) Methylene Chloride	3.79	84	23339	4.541	ug/l	94
31) Cyclohexane	7.02	56	15537	2.455	ug/l #	4
36) 1,1-Dichloropropene	7.03	75	50882	5.938	ug/l #	56
37) Ethyl Acetate	6.13	43	2663	Below Cal	#	68
38) Carbon Tetrachloride	7.01	117	67284	5.221	ug/l #	15
51) 4-Methyl-2-Pentanone	10.39	43	4529	1.422	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	116532	189.893	ug/l #	2

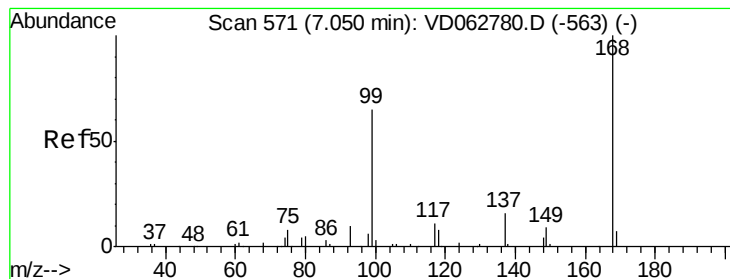
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062967.D

Acq: 28 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

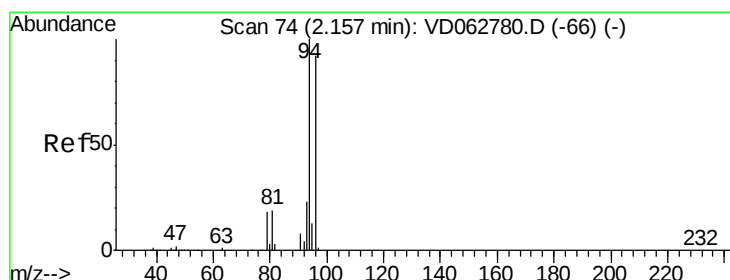
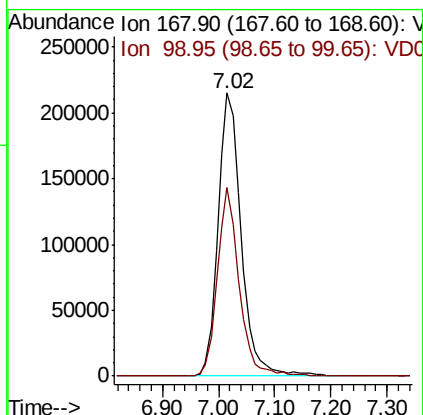
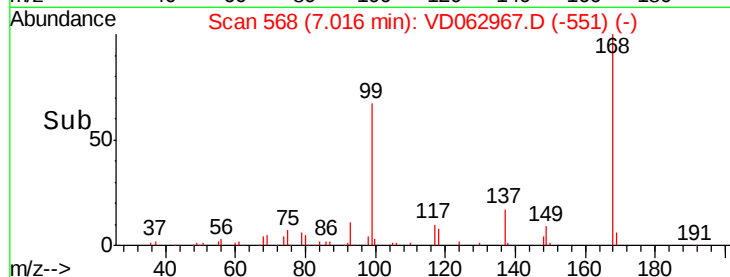
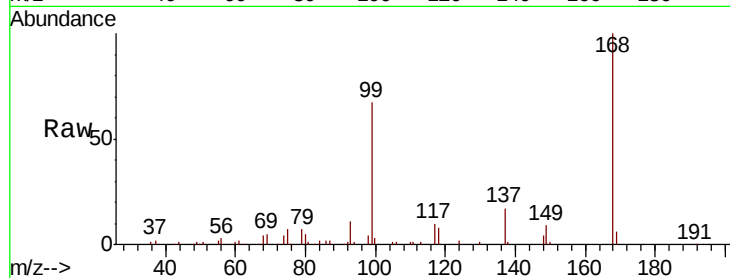
OK-02-062719

Tot Ion:168 Resp: 619974

Ion Ratio Lower Upper

168 100

99 66.8 53.0 79.6



#5

Bromomethane

Concen: 1.498 ug/l

RT: 2.11 min Scan# 70

Delta R.T. -0.04 min

Lab File: VD062967.D

Acq: 28 Jun 2019 15:44

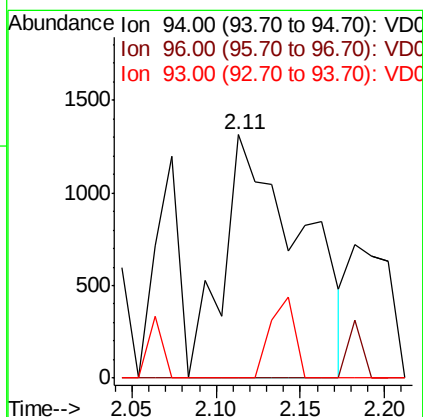
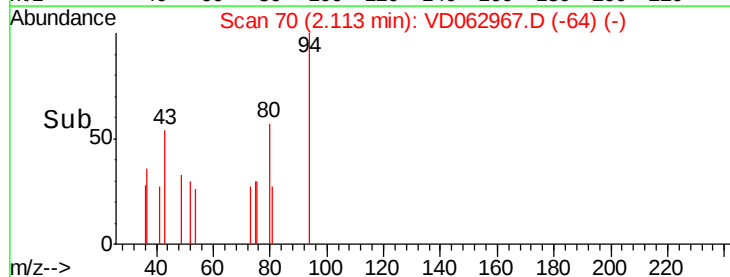
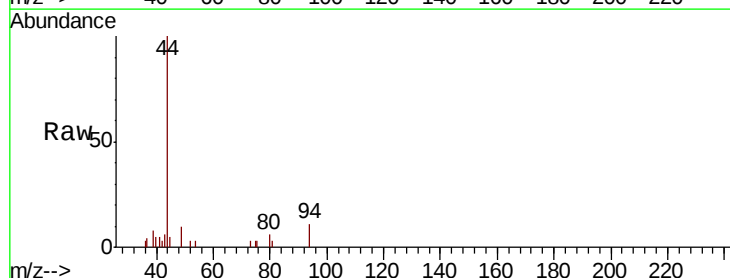
Tgt Ion: 94 Resp: 4197

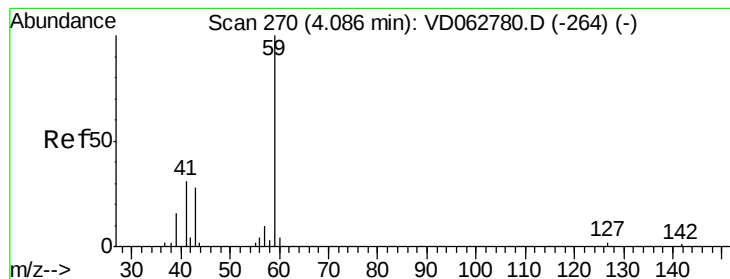
Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

93 0.0 18.2 27.4#



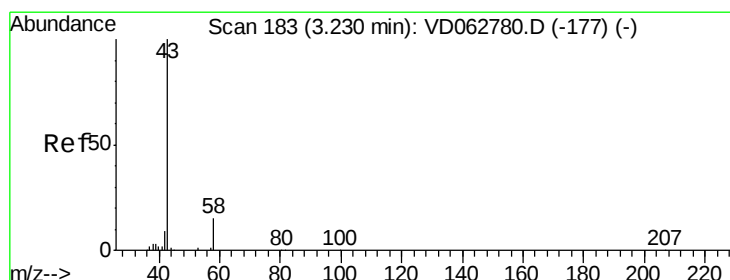
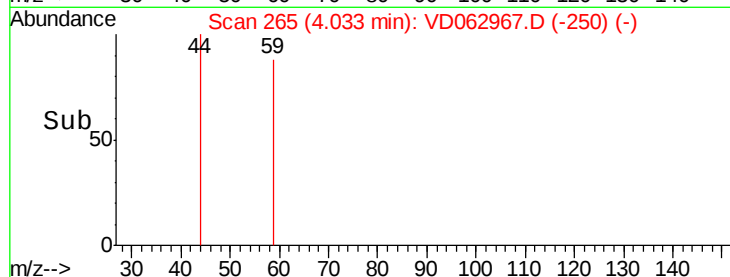
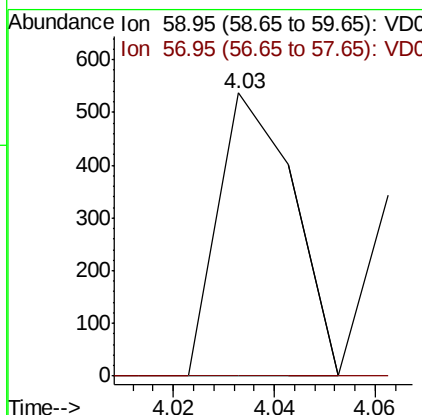
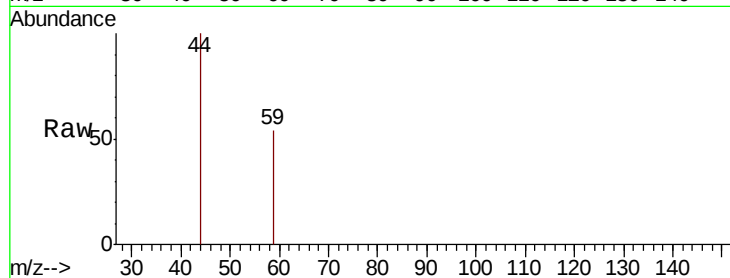


#11

Tert butyl alcohol
 Concen: 1.805 ug/l
 RT: 4.03 min Scan# 265
 Delta R.T. -0.05 min
 Lab File: VD062967.D
 Acq: 28 Jun 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-062719

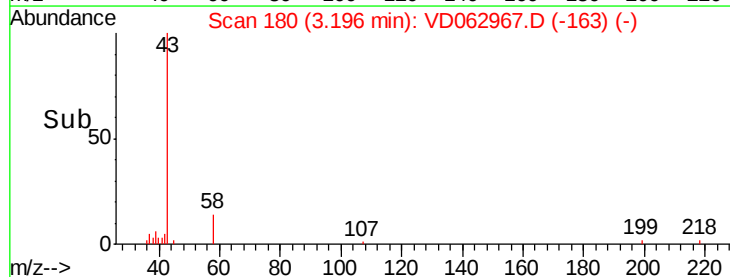
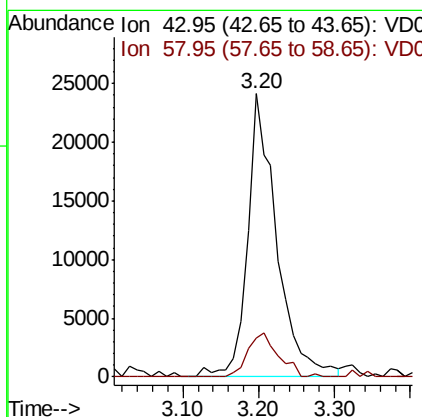
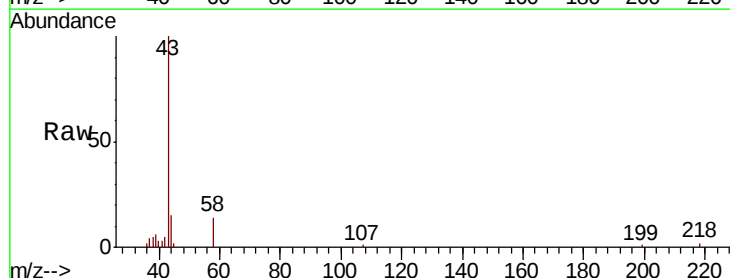
Tot Ion: 59 Resp: 554
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.6 10.0#

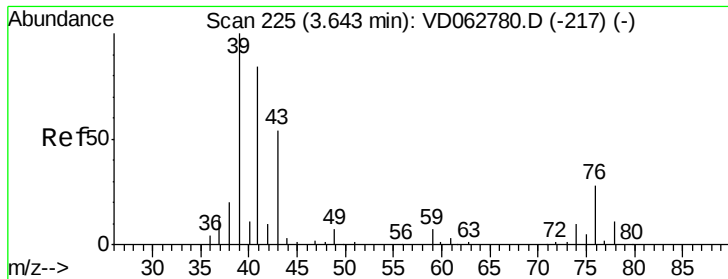


#16

Acetone
 Concen: 41.448 ug/l
 RT: 3.20 min Scan# 180
 Delta R.T. -0.03 min
 Lab File: VD062967.D
 Acq: 28 Jun 2019 15:44

Tgt Ion: 43 Resp: 64619
 Ion Ratio Lower Upper
 43 100
 58 13.9 11.9 17.9

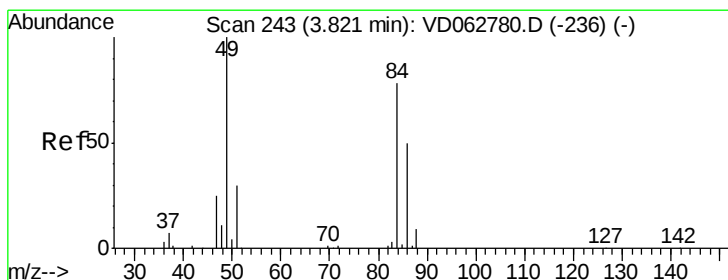
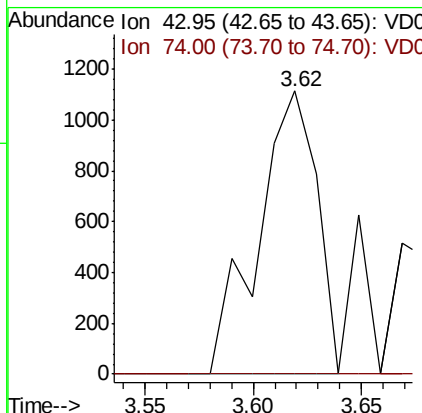
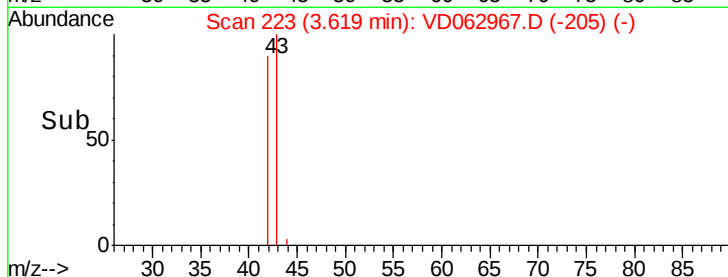
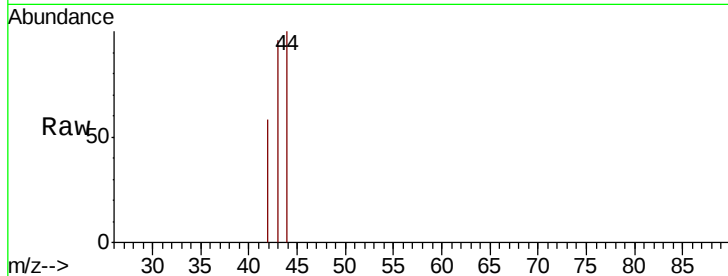




#18
Methyl Acetate
Concen: 1.037 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062967.D
Acq: 28 Jun 2019 15:44

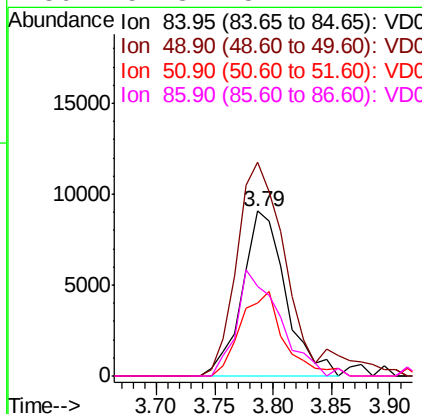
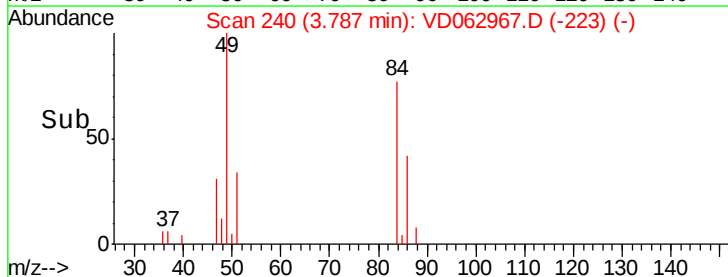
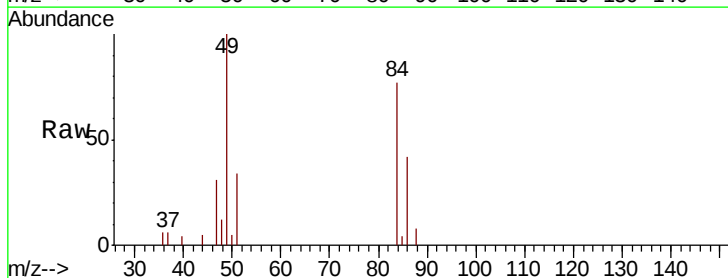
Instrument :
MSVOA_D
ClientSampleId :
OK-02-062719

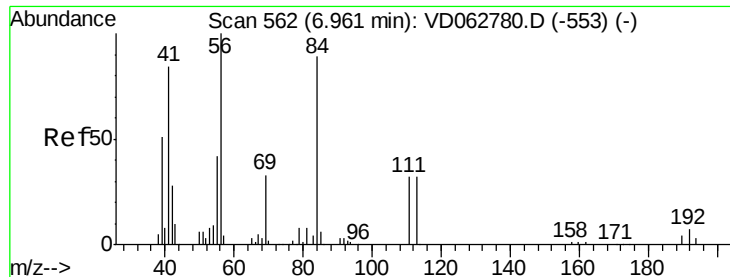
Tot Ion: 43 Resp: 2109
Ion Ratio Lower Upper
43 100
74 0.0 15.2 22.8#



#20
Methylene Chloride
Concen: 4.541 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062967.D
Acq: 28 Jun 2019 15:44

Tgt Ion: 84 Resp: 23339
Ion Ratio Lower Upper
84 100
49 129.8 102.9 154.3
51 44.5 31.2 46.8
86 54.3 51.4 77.2





#31

Cyclohexane

Concen: 2.455 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.05 min

Lab File: VD062967.D

Acq: 28 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

OK-02-062719

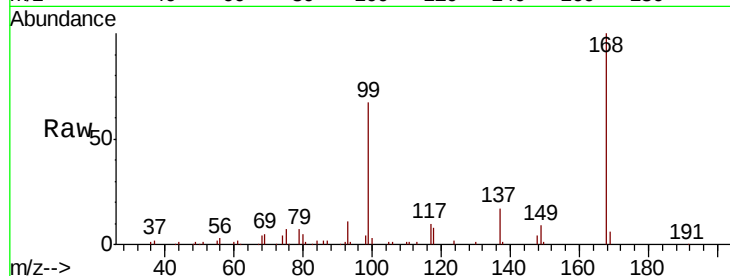
Tot Ion: 56 Resp: 15537

Ion Ratio Lower Upper

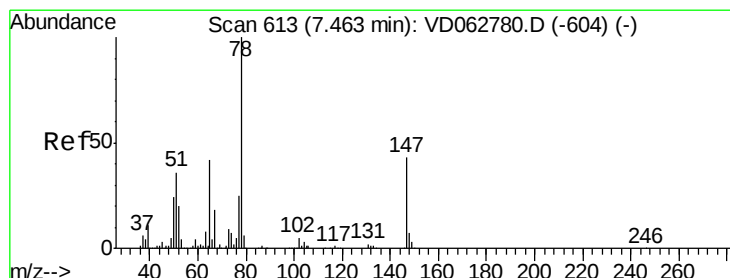
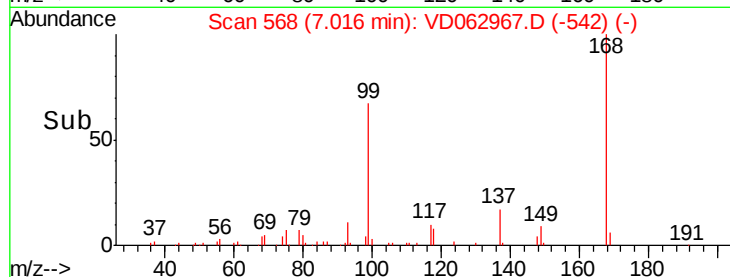
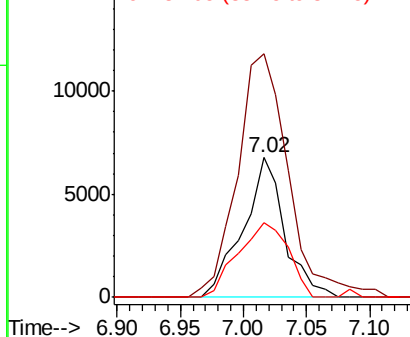
56 100

69 174.4 26.6 39.8#

84 53.8 75.5 113.3#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: 62.768 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062967.D

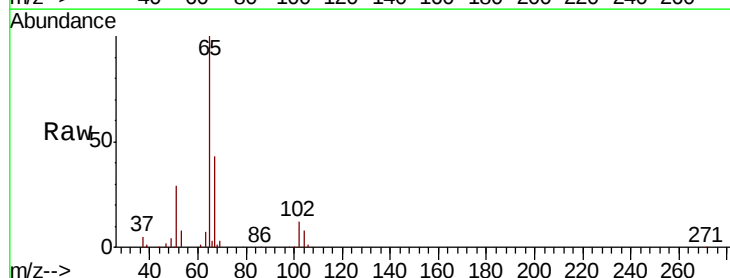
Acq: 28 Jun 2019 15:44

Tgt Ion: 65 Resp: 422996

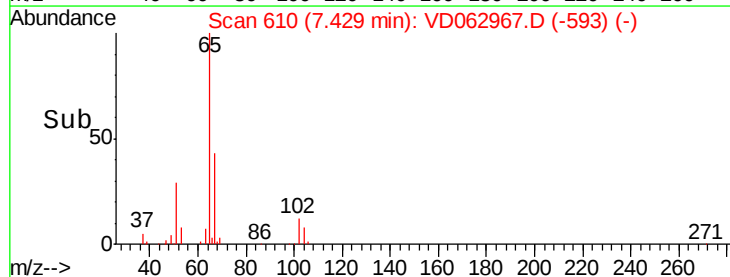
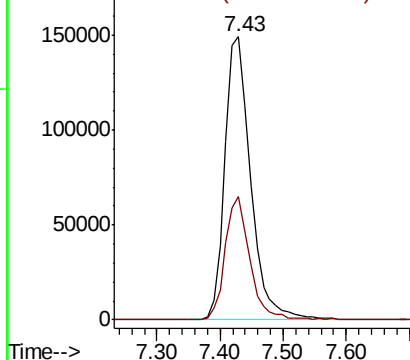
Ion Ratio Lower Upper

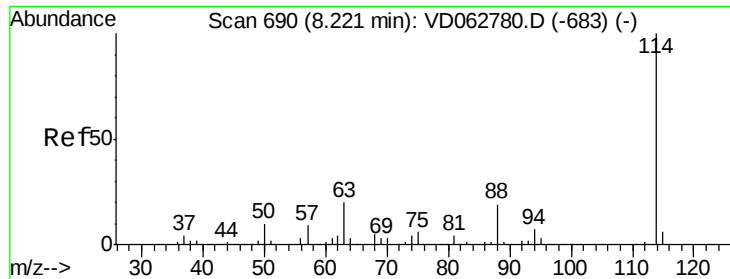
65 100

67 43.5 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

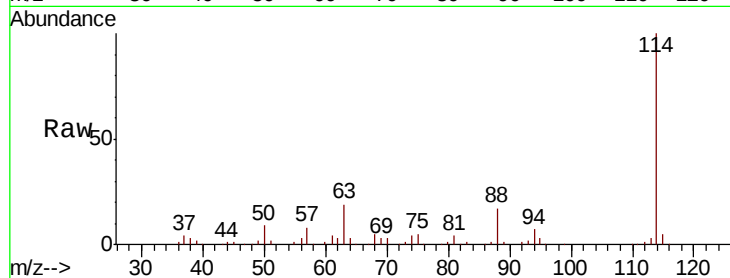




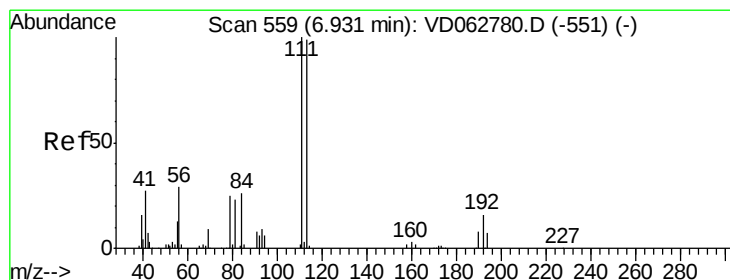
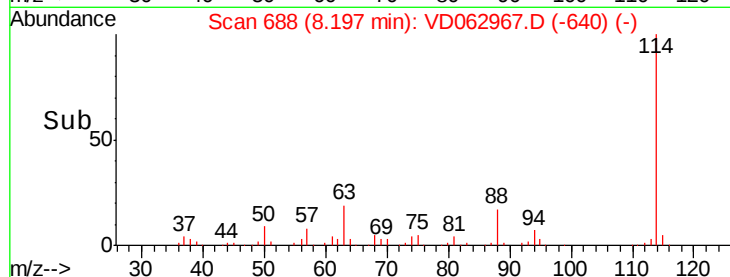
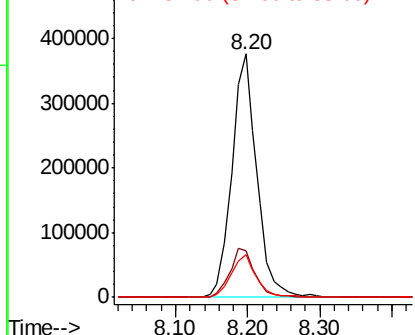
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VD062967.D
 Acq: 28 Jun 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-062719

Tot Ion:114 Resp: 905167
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 17.4 0.0 38.8

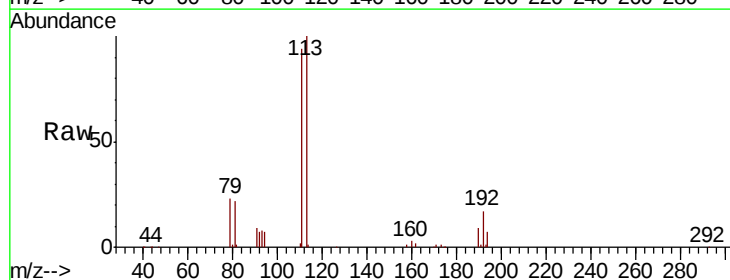


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

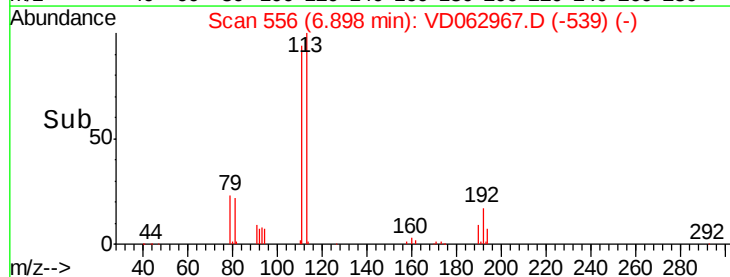
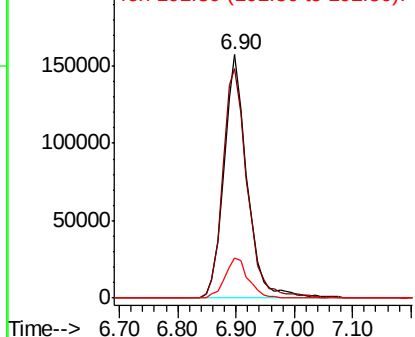


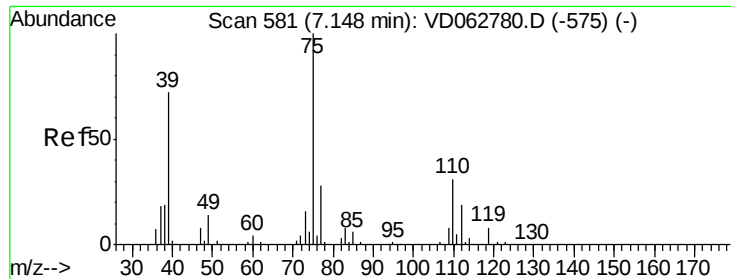
#35
 Dibromofluoromethane
 Concen: 56.714 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062967.D
 Acq: 28 Jun 2019 15:44

Tgt Ion:113 Resp: 432860
 Ion Ratio Lower Upper
 113 100
 111 94.2 81.2 121.8
 192 16.7 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: 5.938 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.12 min

Lab File: VD062967.D

Acq: 28 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

OK-02-062719

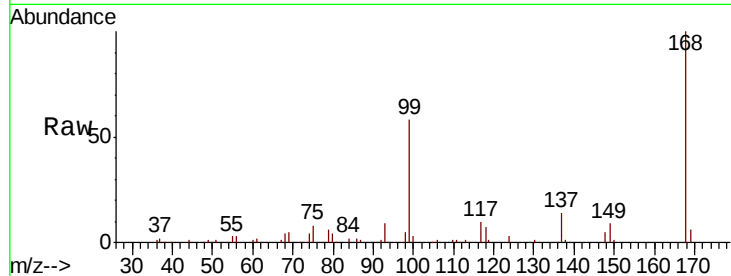
Tot Ion: 75 Resp: 50882

Ion Ratio Lower Upper

75 100

110 10.6 15.0 45.1#

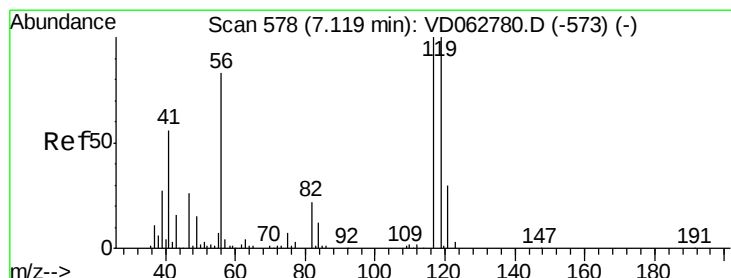
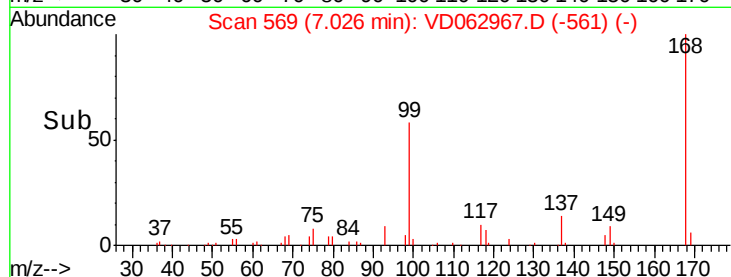
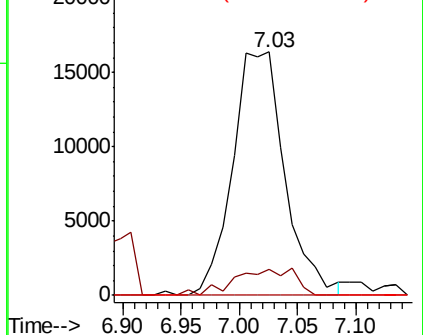
77 0.0 22.2 33.2#



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: 5.221 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.11 min

Lab File: VD062967.D

Acq: 28 Jun 2019 15:44

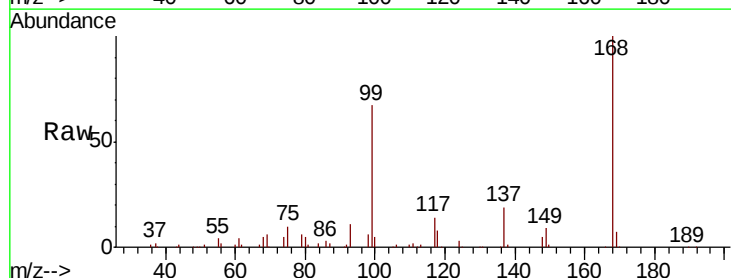
Tgt Ion: 117 Resp: 67284

Ion Ratio Lower Upper

117 100

119 3.4 75.4 113.2#

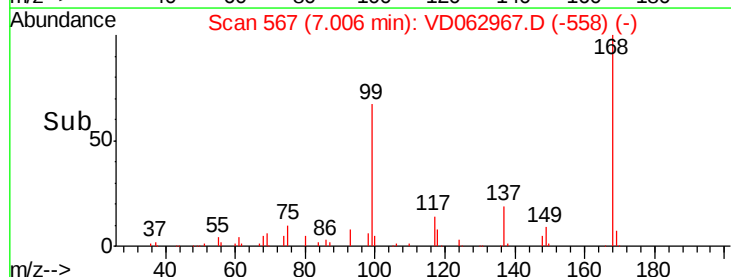
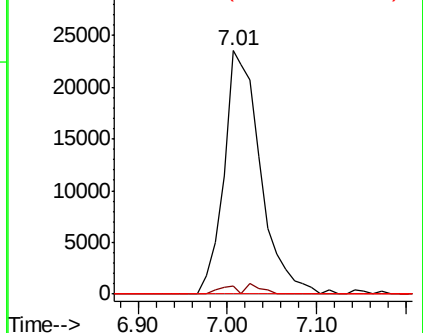
121 0.0 22.3 33.5#

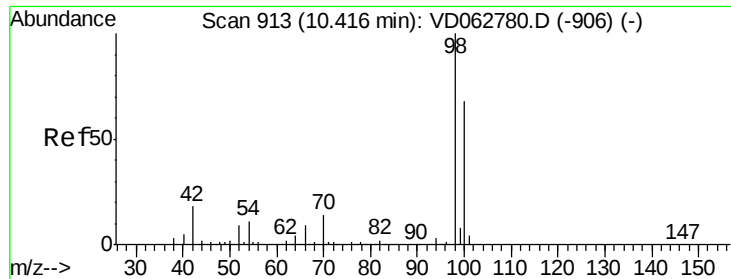


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

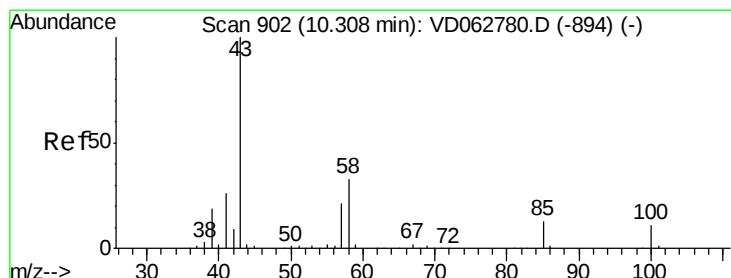
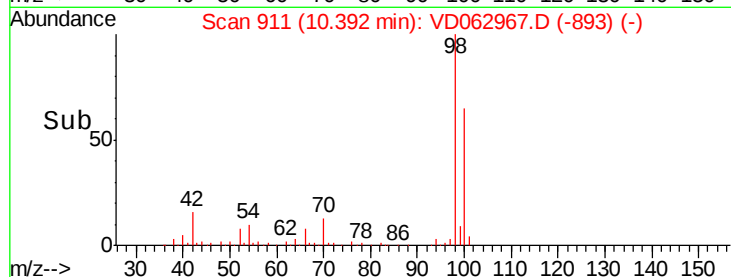
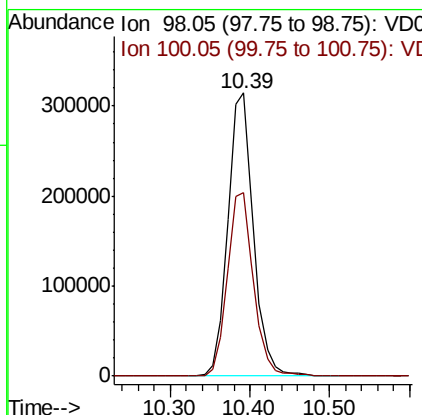
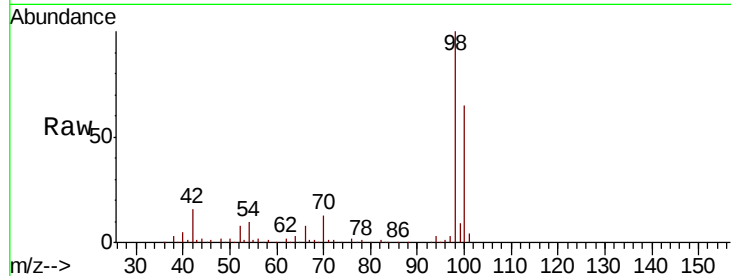




#50
Toluene-d8
Concen: 42.608 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062967.D
Acq: 28 Jun 2019 15:44

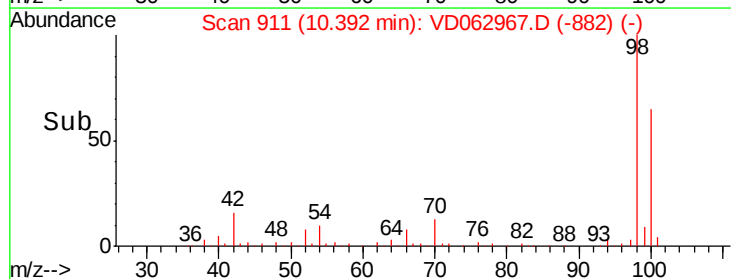
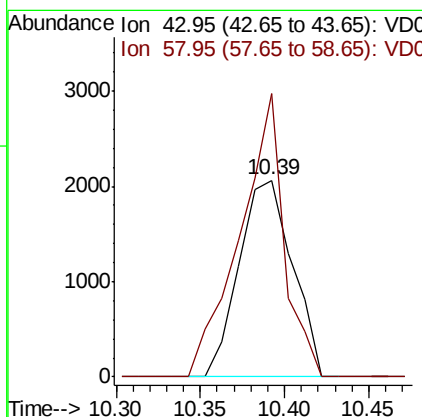
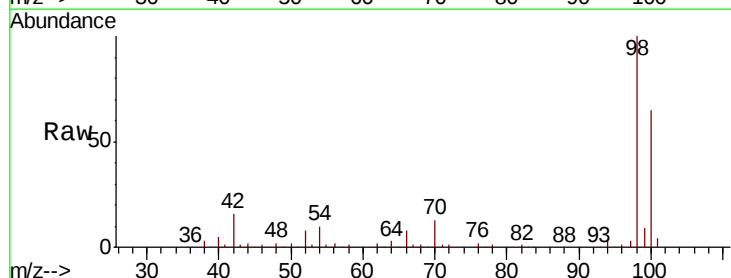
Instrument :
MSVOA_D
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OK-02-062719

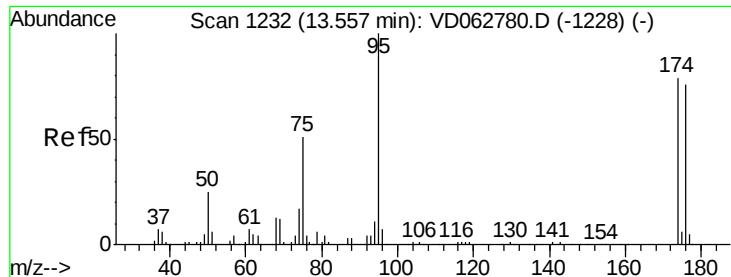
Tot Ion: 98 Resp: 707776
Ion Ratio Lower Upper
98 100
100 64.8 54.7 82.1



#51
4-Methyl-2-Pentanone
Concen: 1.422 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.08 min
Lab File: VD062967.D
Acq: 28 Jun 2019 15:44

Tgt Ion: 43 Resp: 4529
Ion Ratio Lower Upper
43 100
58 143.7 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 32.466 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062967.D

Acq: 28 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

OK-02-062719

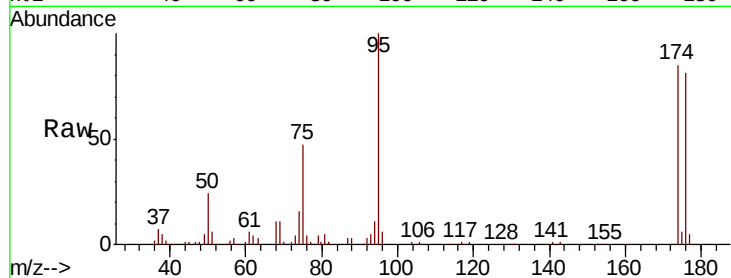
Tot Ion: 95 Resp: 245226

Ion Ratio Lower Upper

95 100

174 84.8 0.0 158.0

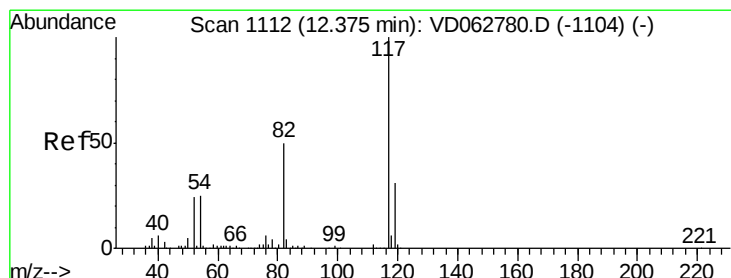
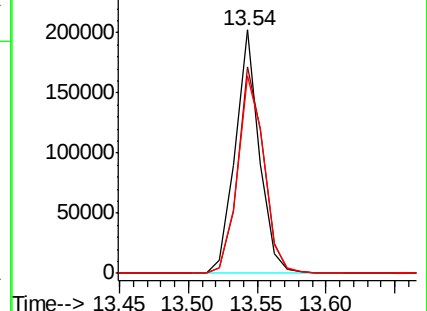
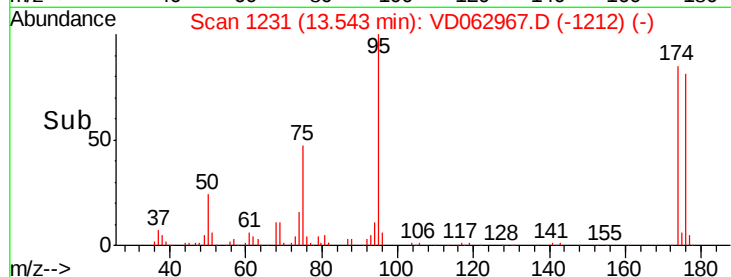
176 81.0 0.0 151.6



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: VD062967.D

Acq: 28 Jun 2019 15:44

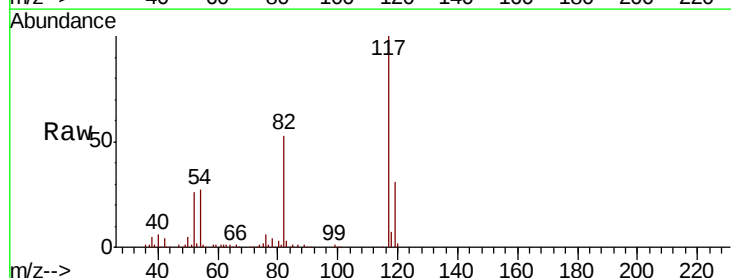
Tgt Ion: 117 Resp: 580680

Ion Ratio Lower Upper

117 100

82 53.3 40.4 60.6

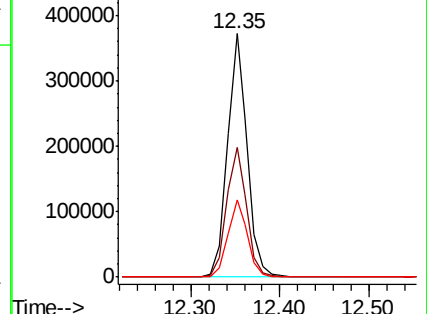
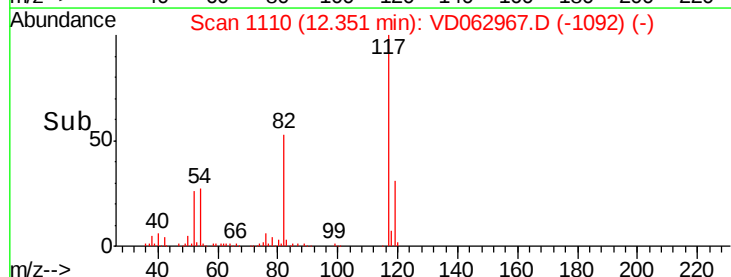
119 31.5 25.2 37.8

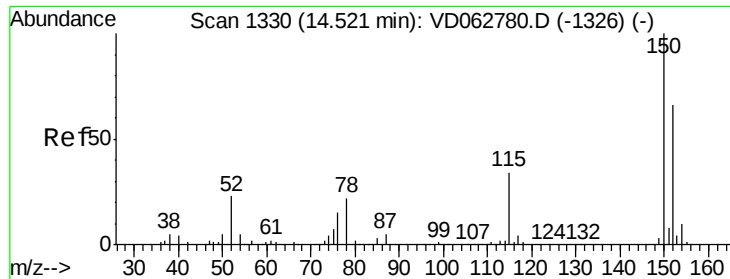


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



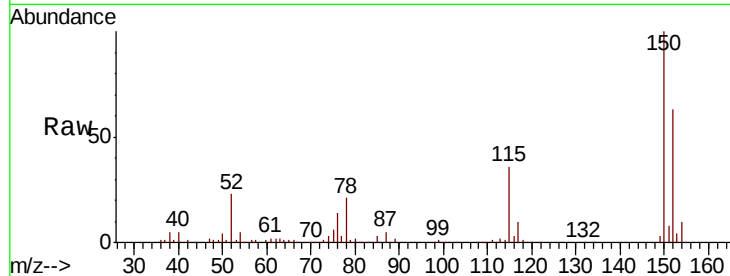


#72

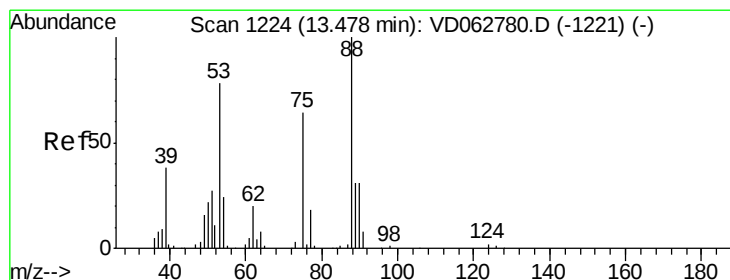
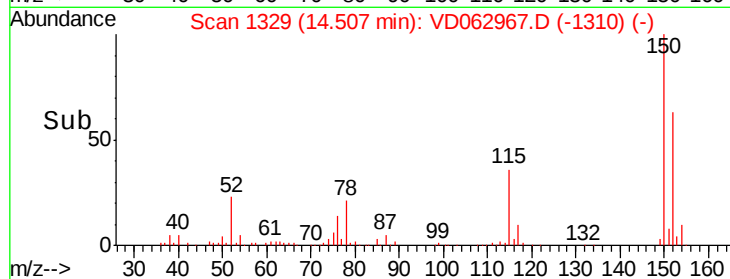
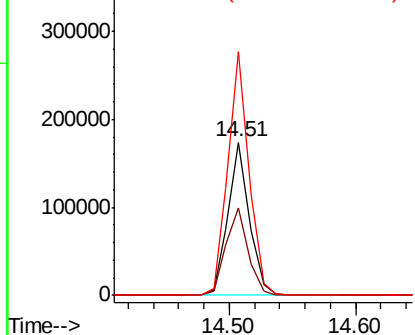
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062967.D
Acq: 28 Jun 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
OK-02-062719

Tot Ion:152 Resp: 202828
Ion Ratio Lower Upper
152 100
115 57.2 29.2 87.6
150 159.3 0.0 305.8



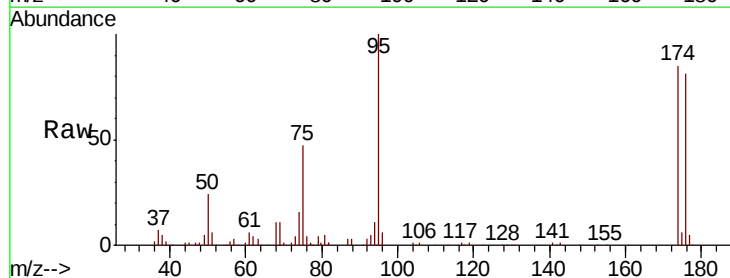
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 189.893 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062967.D
Acq: 28 Jun 2019 15:44

Tgt Ion: 75 Resp: 116532
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

