

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063320.D
 Acq On : 2 Aug 2019 16:50
 Operator : VA/AP
 Sample : K4120-13RE
 Misc : 4.97g/5ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SW-3RE

Quant Time: Aug 04 03:39:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	733474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1076000	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	652707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	165245	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	487411	59.89	ug/l	0.00
Spiked Amount			Recovery	=	119.78%	
35) Dibromofluoromethane	6.91	113	523813	57.02	ug/l	0.00
Spiked Amount			Recovery	=	114.04%	
50) Toluene-d8	10.39	98	963161	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	13.54	95	237879	25.39	ug/l	0.00
Spiked Amount			Recovery	=	50.78%	

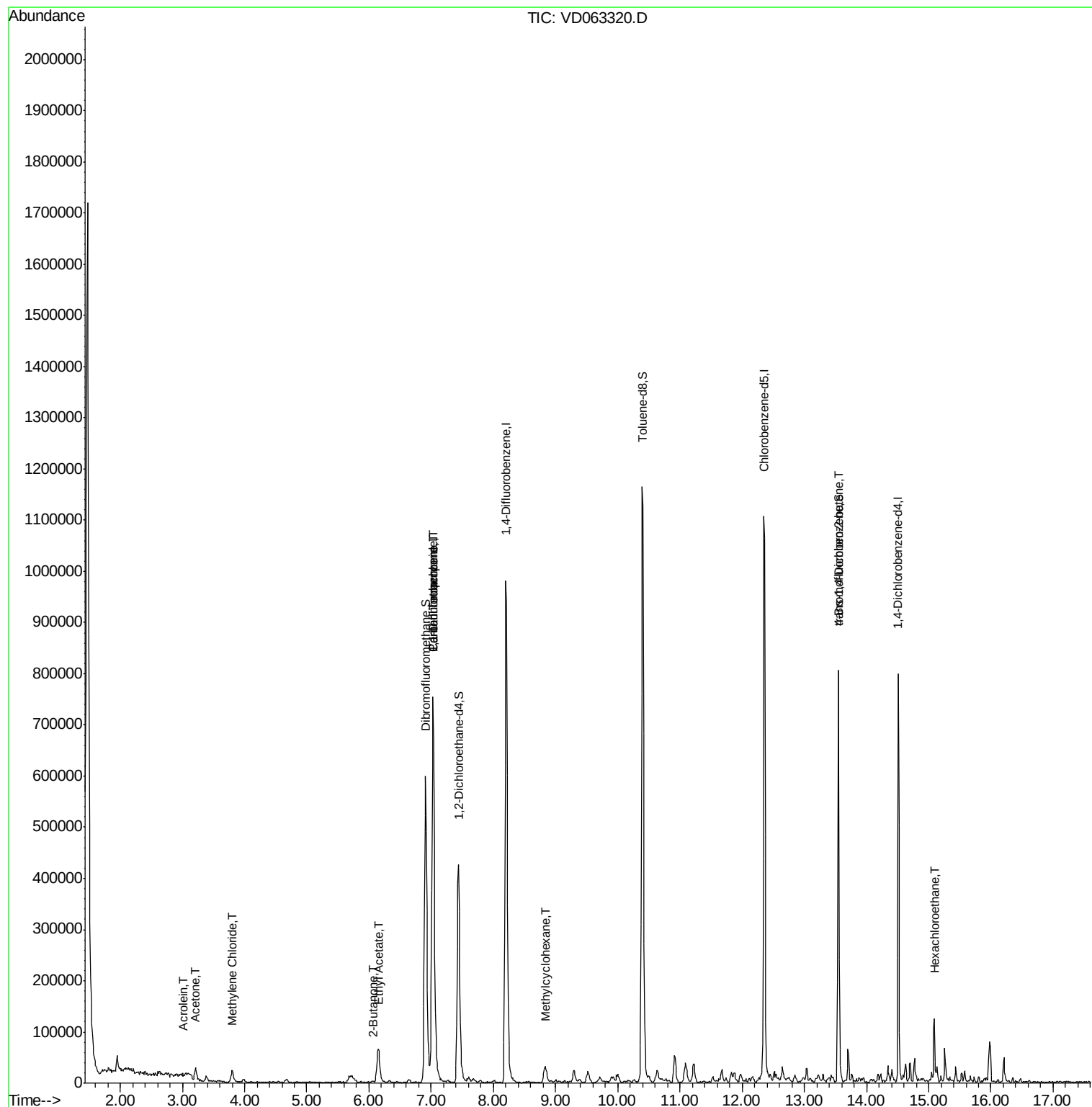
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.02	56	364	1.059	ug/l	88
16) Acetone	3.22	43	48606	30.652	ug/l	96
20) Methylene Chloride	3.80	84	11485	1.792	ug/l #	81
25) 2-Butanone	6.07	43	4513	2.836	ug/l #	56
36) 1,1-Dichloropropene	7.03	75	55146	5.616	ug/l #	54
37) Ethyl Acetate	6.16	43	8481	1.922	ug/l #	30
38) Carbon Tetrachloride	7.03	117	71308	4.823	ug/l #	13
39) Methylcyclohexane	8.84	83	14993	1.833	ug/l #	85
81) trans-1,4-Dichloro-2-buten	13.54	75	105832	192.024	ug/l #	3
90) Hexachloroethane	15.09	117	51194	19.131	ug/l #	14

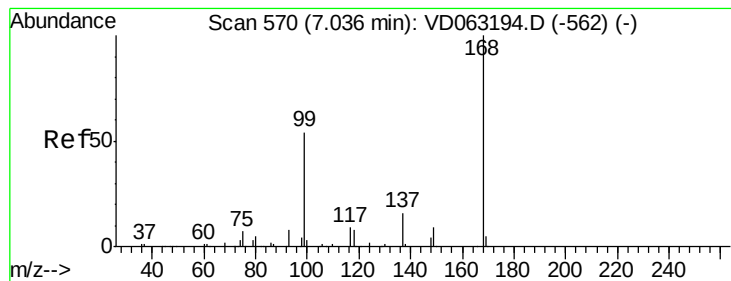
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 04 03:39:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063320.D

Acq: 2 Aug 2019 16:50

Instrument :

MSVOA_D

ClientSampleId :

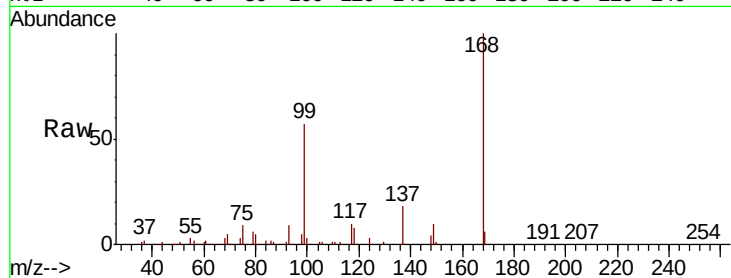
SW-3RE

Tgt Ion:168 Resp: 733474

Ion Ratio Lower Upper

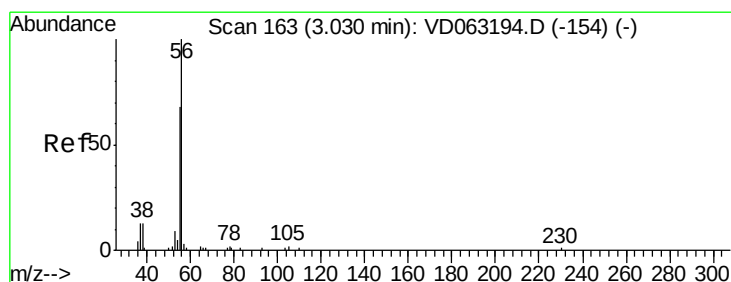
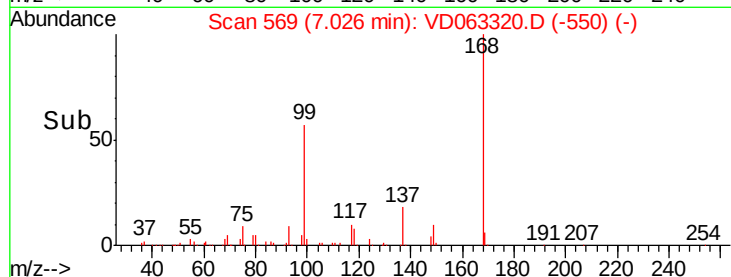
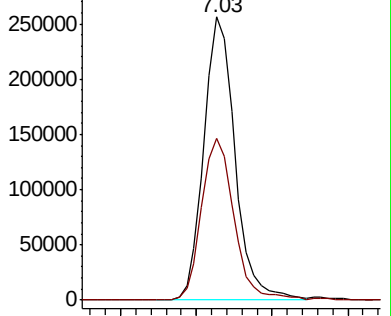
168 100

99 57.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 1.059 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063320.D

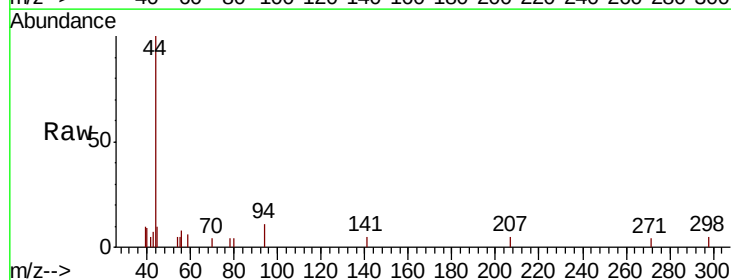
Acq: 2 Aug 2019 16:50

Tgt Ion: 56 Resp: 364

Ion Ratio Lower Upper

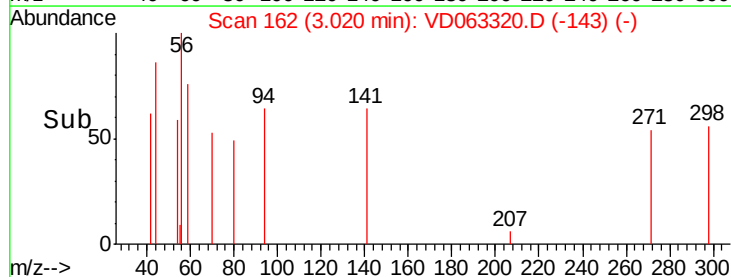
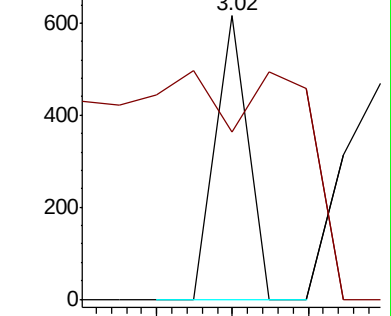
56 100

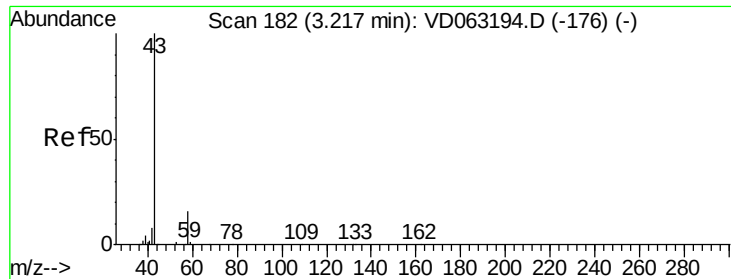
55 59.1 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

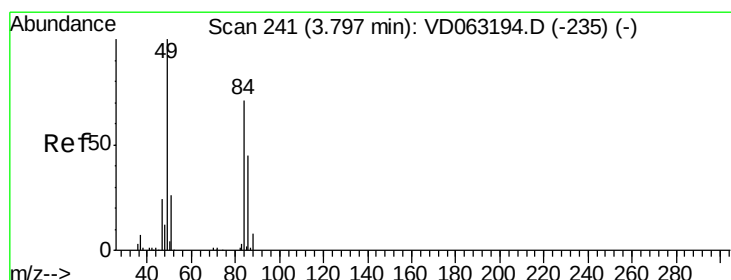
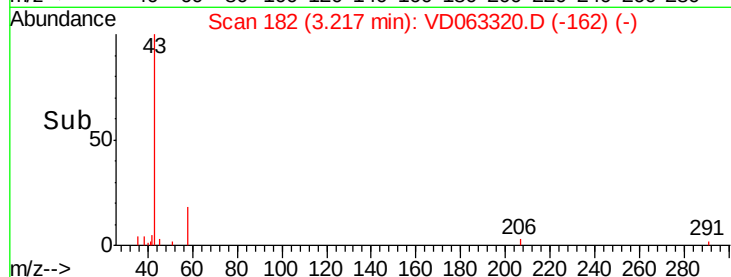
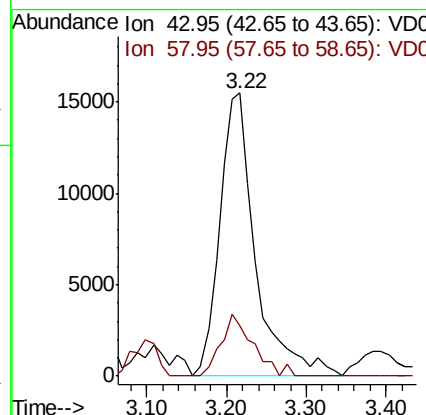
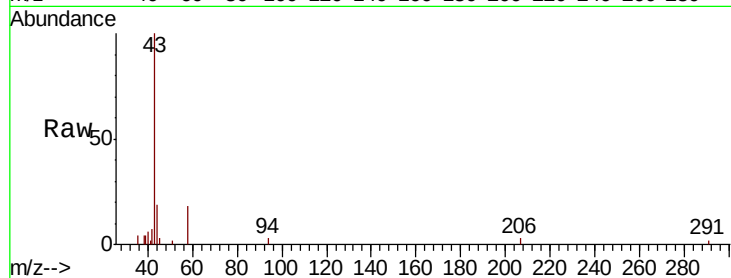




#16
Acetone
Concen: 30.652 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.00 min
Lab File: VD063320.D
Acq: 2 Aug 2019 16:50

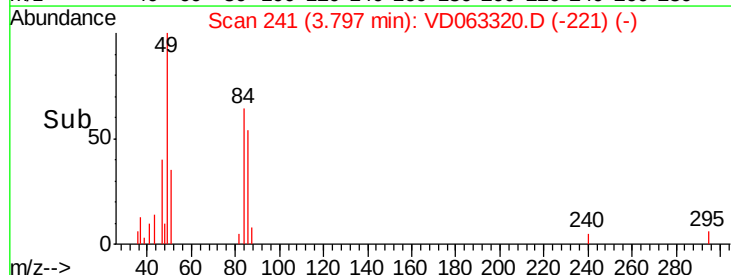
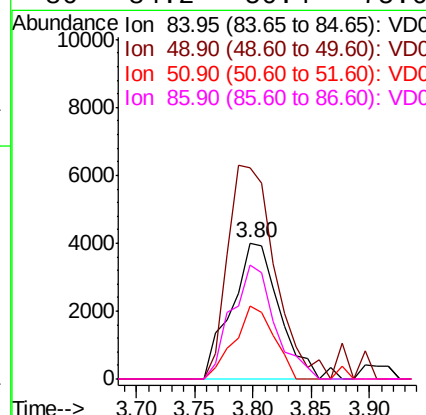
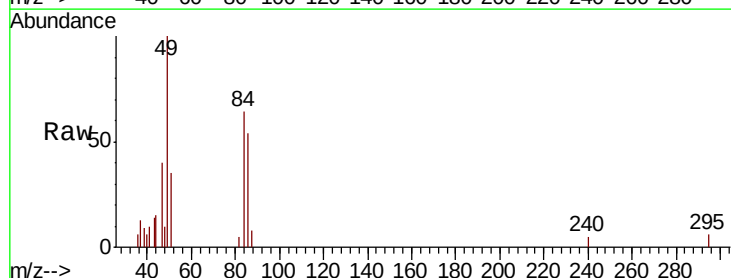
Instrument :
MSVOA_D
ClientSampleId :
SW-3RE

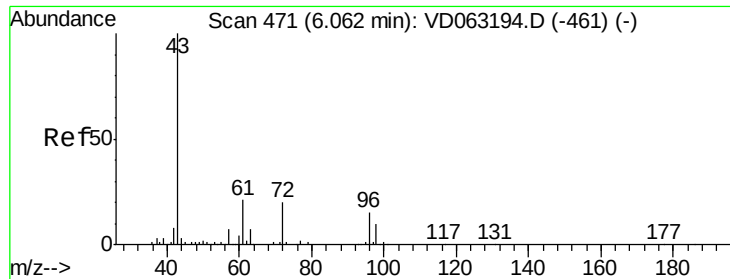
Tgt Ion: 43 Resp: 48606
Ion Ratio Lower Upper
43 100
58 18.0 13.0 19.4



#20
Methylene Chloride
Concen: 1.792 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063320.D
Acq: 2 Aug 2019 16:50

Tgt Ion: 84 Resp: 11485
Ion Ratio Lower Upper
84 100
49 155.4 112.5 168.7
51 54.2 29.6 44.4#
86 84.2 50.4 75.6#

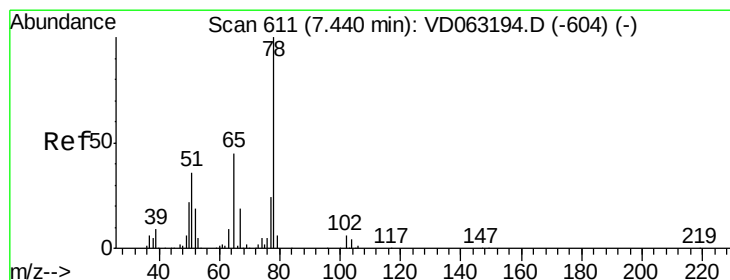
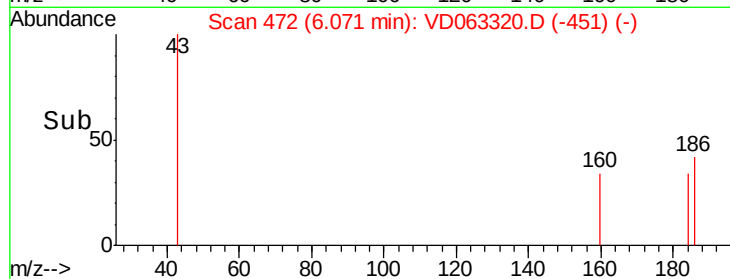
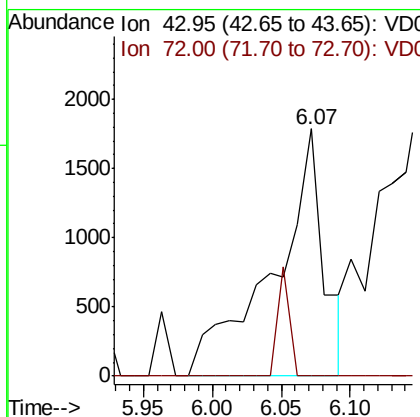
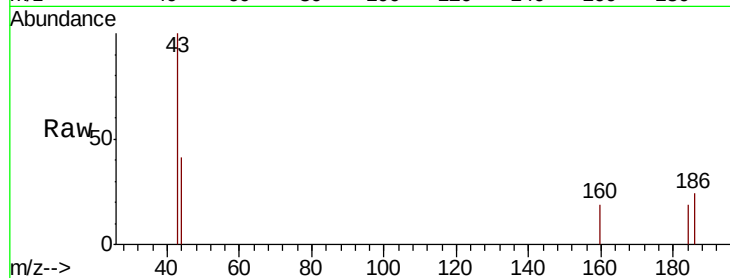




#25
2-Butanone
Concen: 2.836 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.01 min
Lab File: VD063320.D
Acq: 2 Aug 2019 16:50

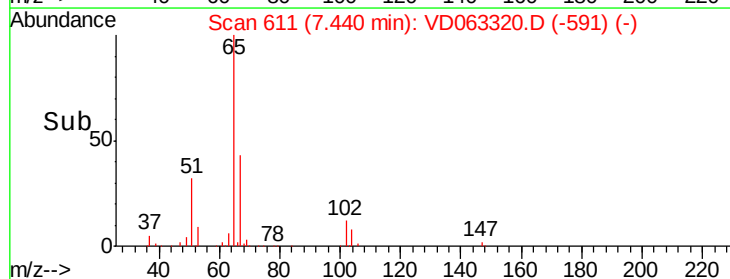
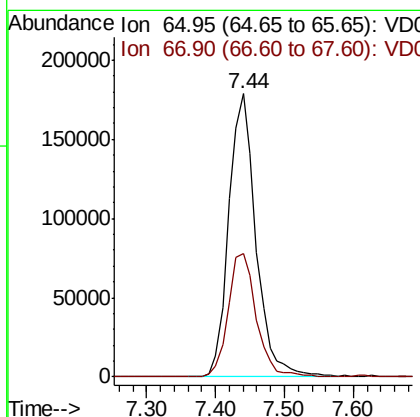
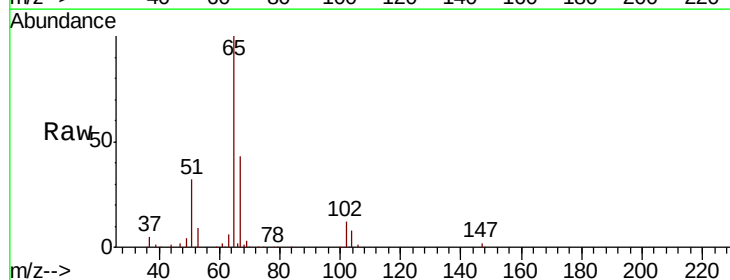
Instrument :
MSVOA_D
ClientSampleId :
SW-3RE

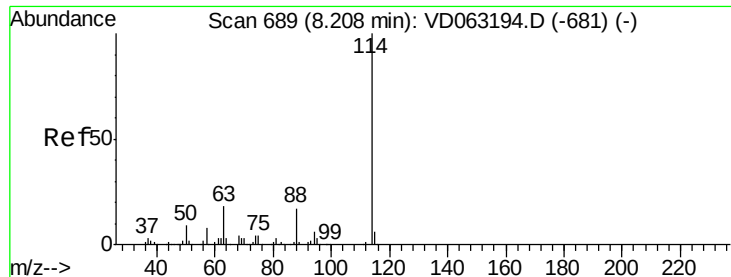
Tgt Ion: 43 Resp: 4513
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#



#33
1,2-Dichloroethane-d4
Concen: 59.889 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063320.D
Acq: 2 Aug 2019 16:50

Tgt Ion: 65 Resp: 487411
Ion Ratio Lower Upper
65 100
67 43.4 0.0 85.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD063320.D

Acq: 2 Aug 2019 16:50

Instrument :

MSVOA_D

ClientSampled :

SW-3RE

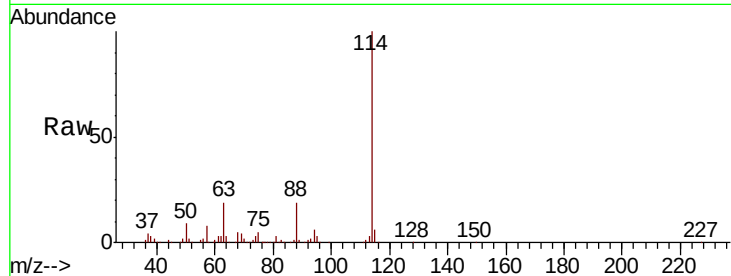
Tgt Ion:114 Resp: 1076000

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.2

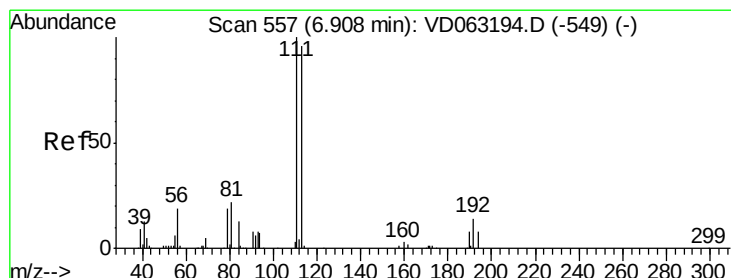
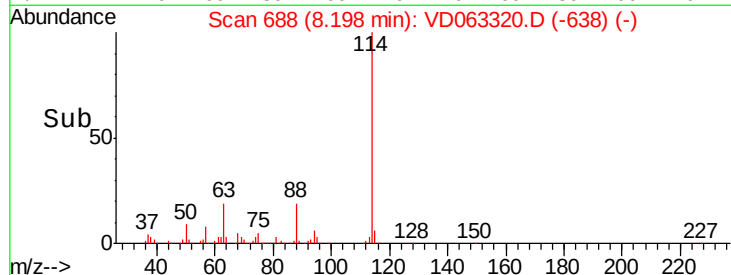
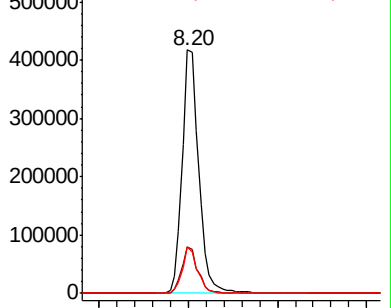
88 18.9 0.0 34.6



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: 57.018 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063320.D

Acq: 2 Aug 2019 16:50

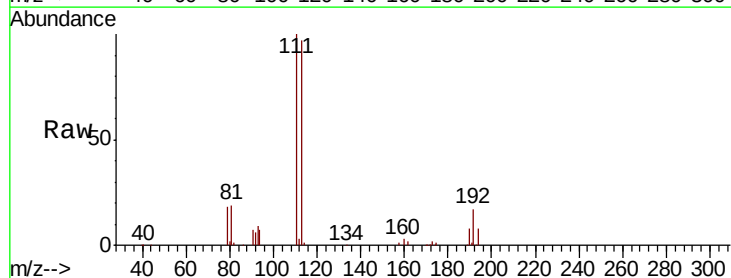
Tgt Ion:113 Resp: 523813

Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

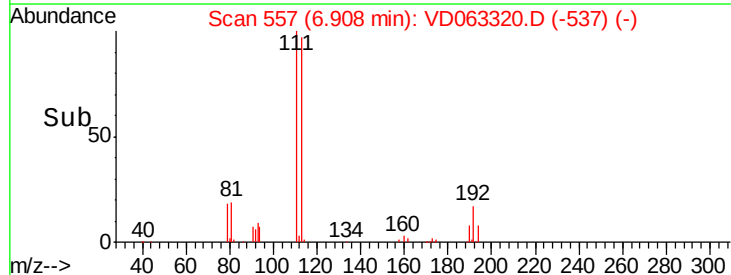
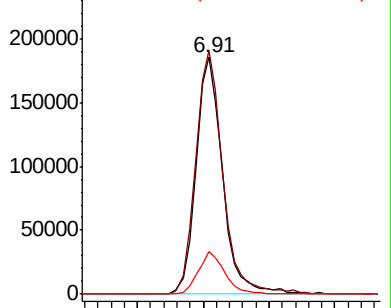
192 17.8 11.8 17.8#

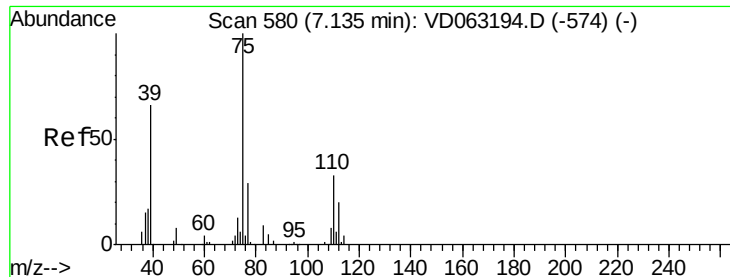


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

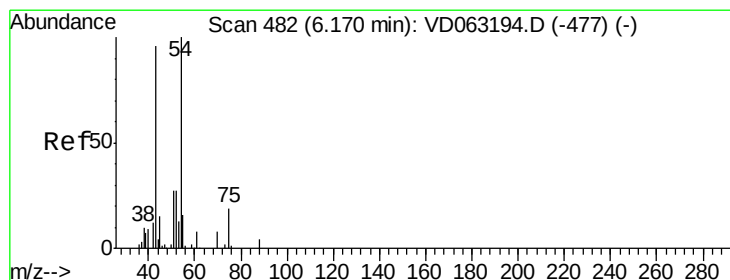
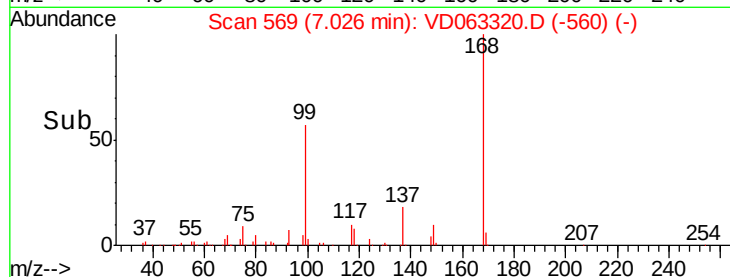
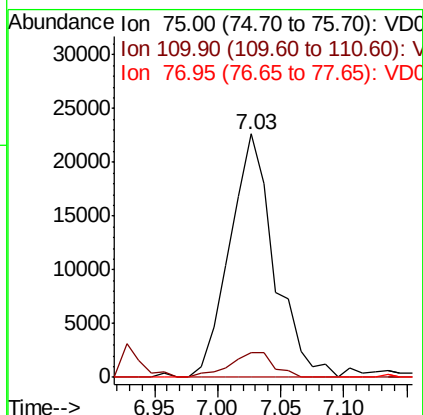
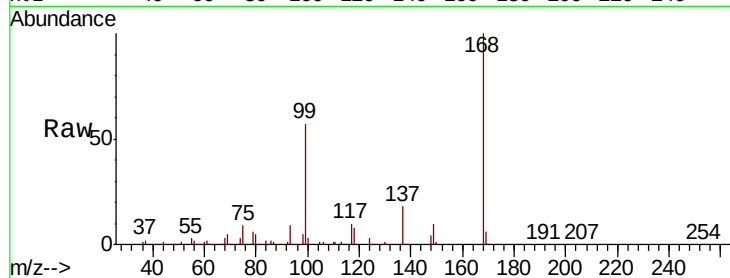




#36
 1,1-Dichloropropene
 Concen: 5.616 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.11 min
 Lab File: VD063320.D
 Acq: 2 Aug 2019 16:50

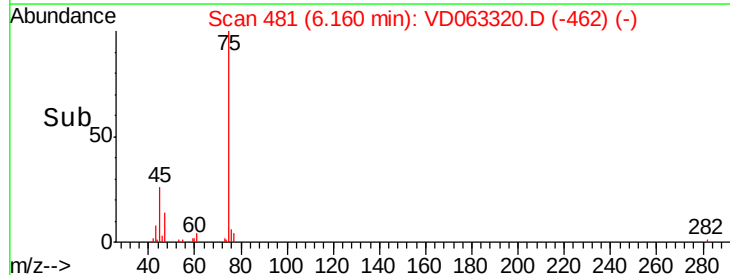
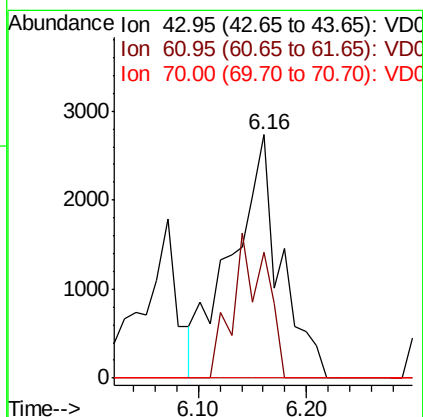
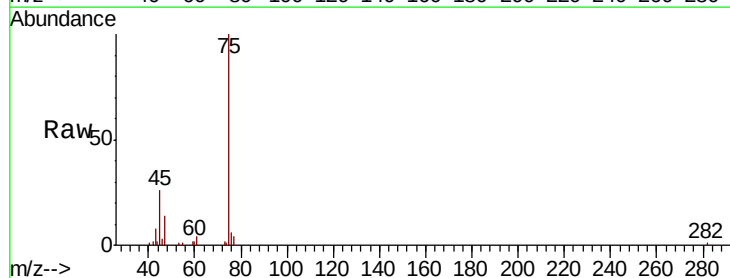
Instrument :
 MSVOA_D
 ClientSampleId :
 SW-3RE

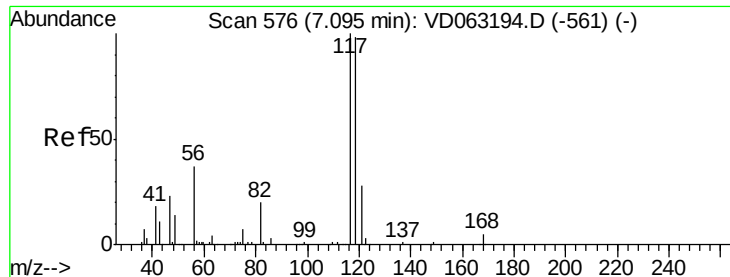
Tgt Ion: 75 Resp: 55146
 Ion Ratio Lower Upper
 75 100
 110 10.0 16.1 48.2#
 77 0.0 22.7 34.1#



#37
 Ethyl Acetate
 Concen: 1.922 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: VD063320.D
 Acq: 2 Aug 2019 16:50

Tgt Ion: 43 Resp: 8481
 Ion Ratio Lower Upper
 43 100
 61 52.0 11.3 16.9#
 70 0.0 5.1 7.7#





#38

Carbon Tetrachloride

Concen: 4.823 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD063320.D

Acq: 2 Aug 2019 16:50

Instrument :

MSVOA_D

ClientSampleId :

SW-3RE

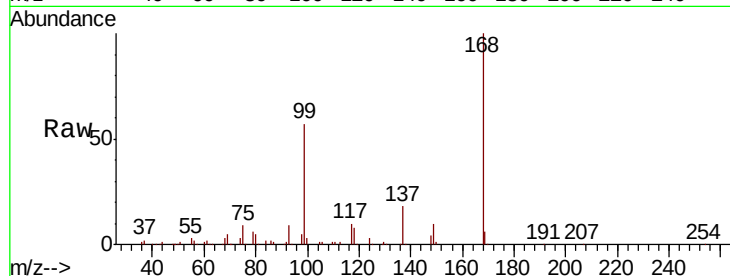
Tgt Ion:117 Resp: 71308

Ion Ratio Lower Upper

117 100

119 2.9 78.2 117.2#

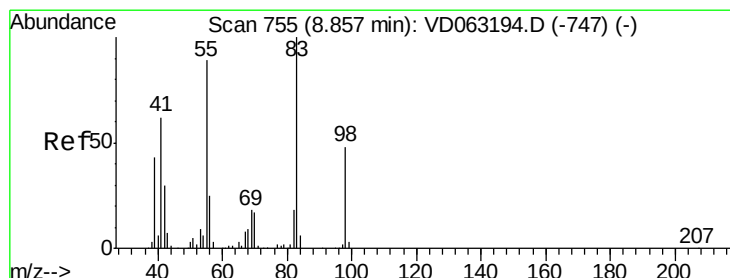
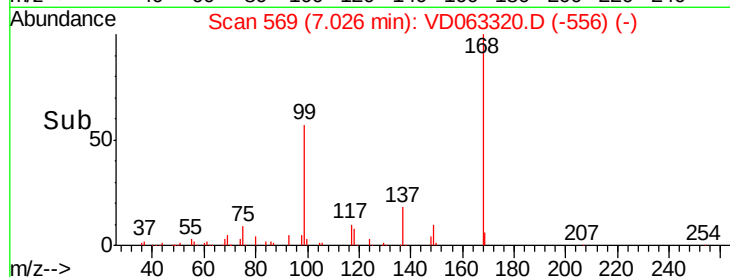
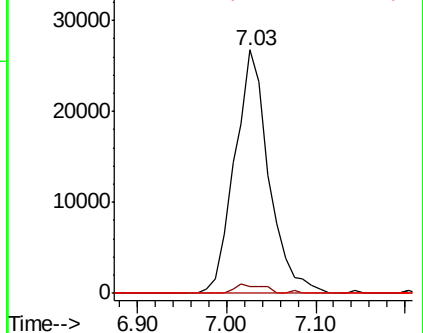
121 0.0 22.1 33.1#



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



#39

Methylcyclohexane

Concen: 1.833 ug/l

RT: 8.84 min Scan# 753

Delta R.T. -0.02 min

Lab File: VD063320.D

Acq: 2 Aug 2019 16:50

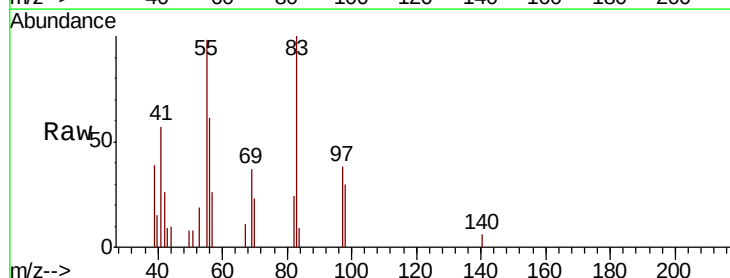
Tgt Ion: 83 Resp: 14993

Ion Ratio Lower Upper

83 100

55 97.8 71.1 106.7

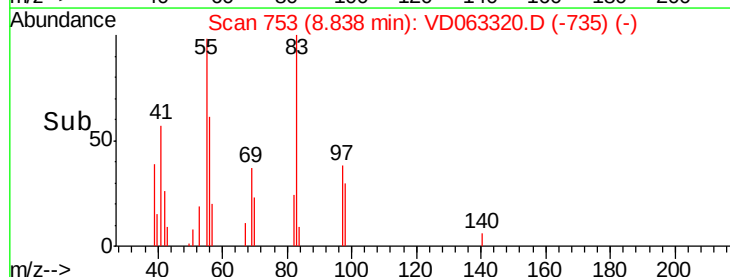
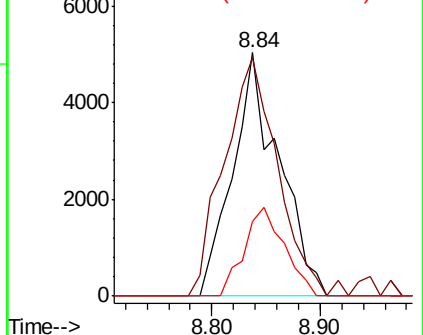
98 30.5 38.5 57.7#

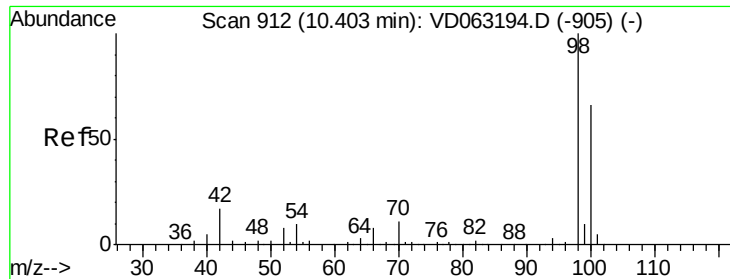


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V

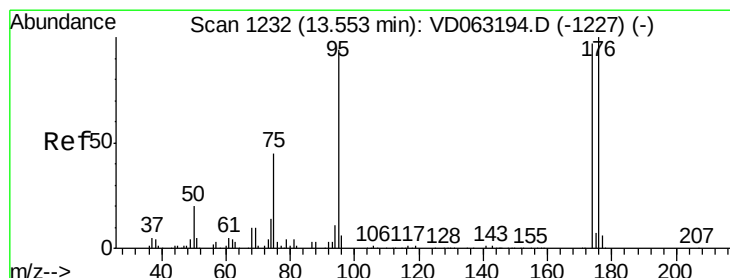
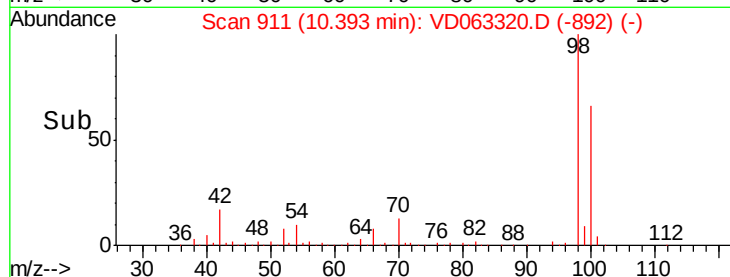
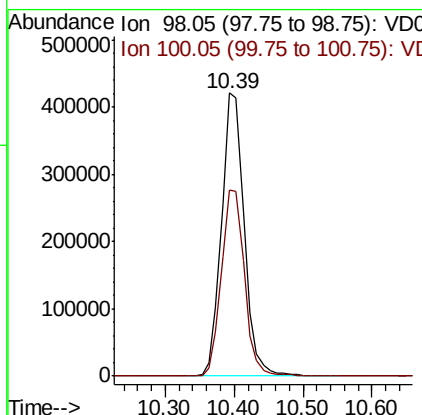
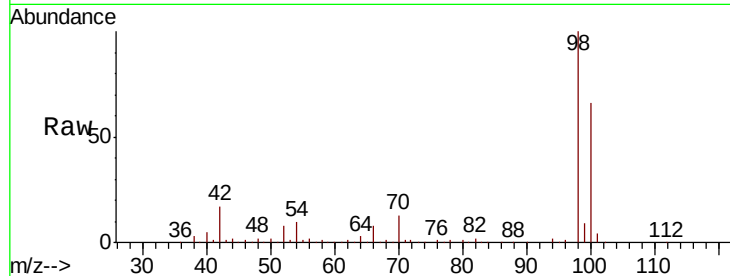




#50
Toluene-d8
Concen: 46.847 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063320.D
Acq: 2 Aug 2019 16:50

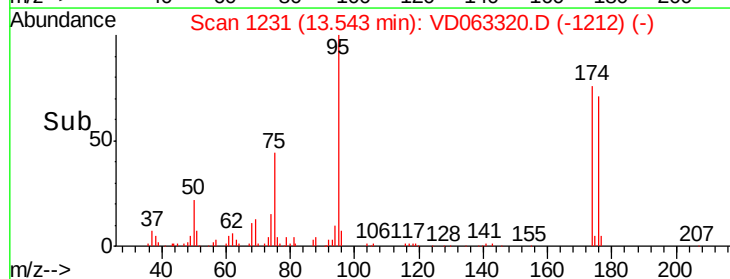
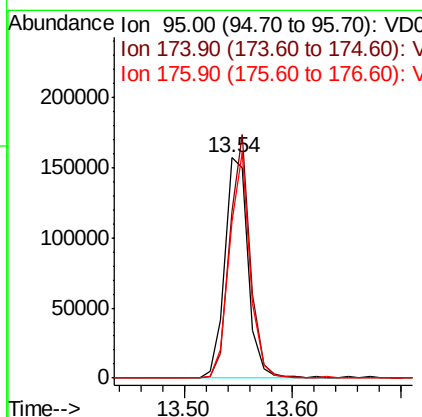
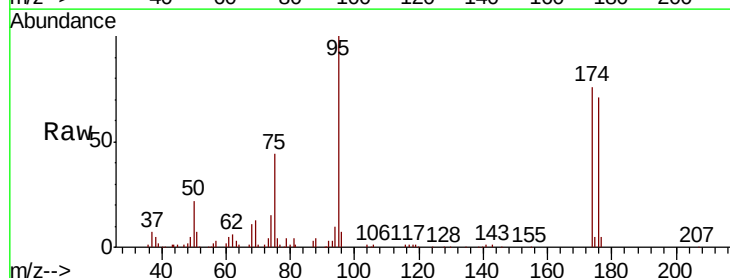
Instrument :
MSVOA_D
ClientSampleId :
SW-3RE

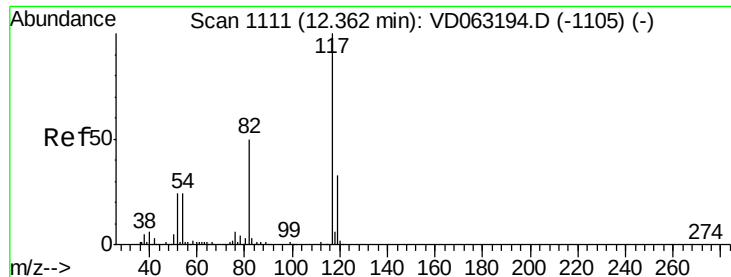
Tgt Ion: 98 Resp: 963161
Ion Ratio Lower Upper
98 100
100 65.6 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 25.390 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063320.D
Acq: 2 Aug 2019 16:50

Tgt Ion: 95 Resp: 237879
Ion Ratio Lower Upper
95 100
174 75.8 0.0 205.4
176 70.8 0.0 211.8

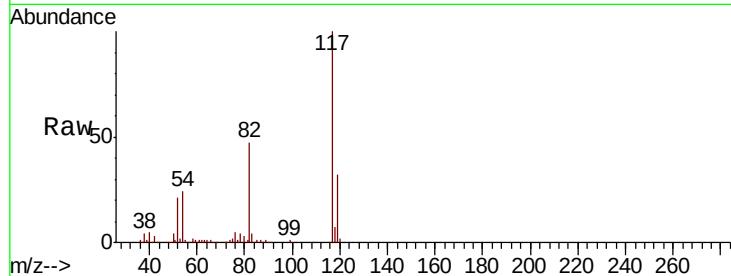




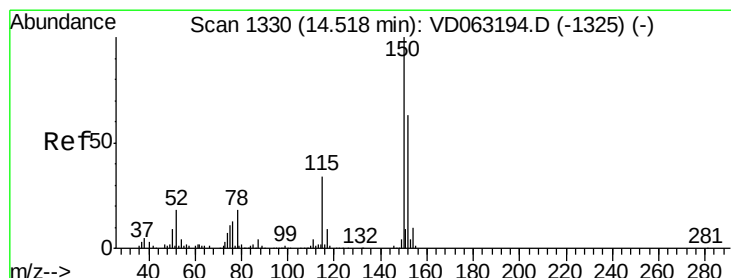
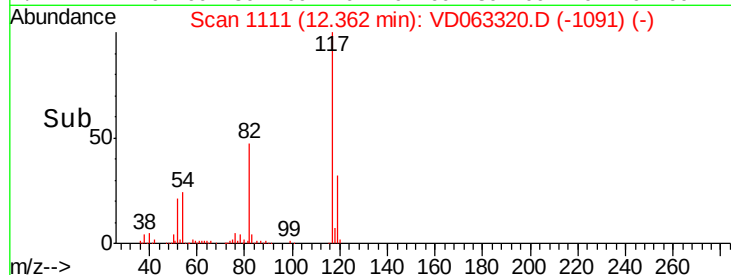
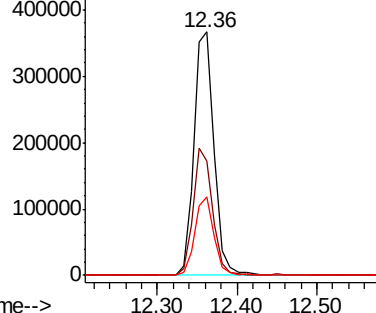
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063320.D
Acq: 2 Aug 2019 16:50

Instrument :
MSVOA_D
ClientSampleId :
SW-3RE

Tgt Ion:117 Resp: 652707
Ion Ratio Lower Upper
117 100
82 47.2 40.1 60.1
119 32.1 26.5 39.7

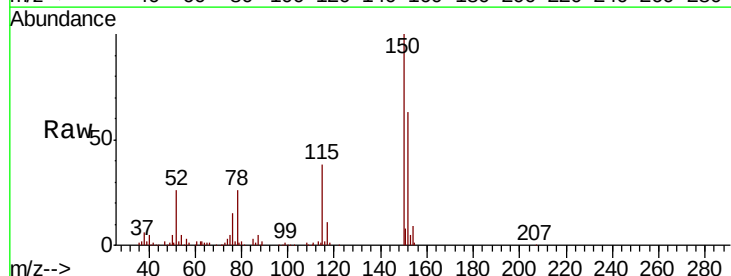


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

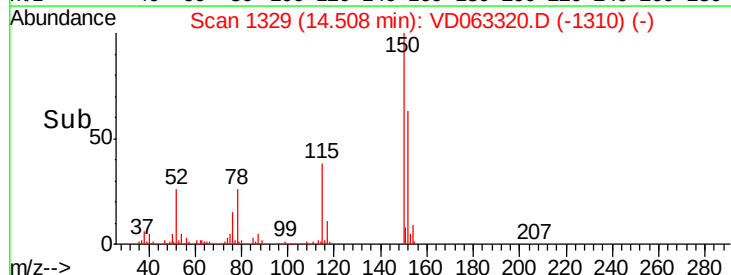
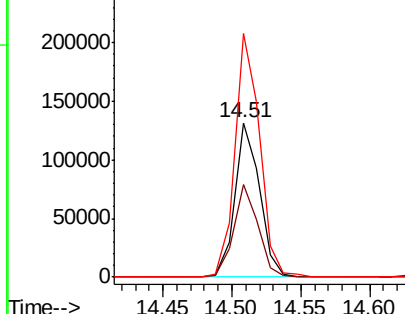


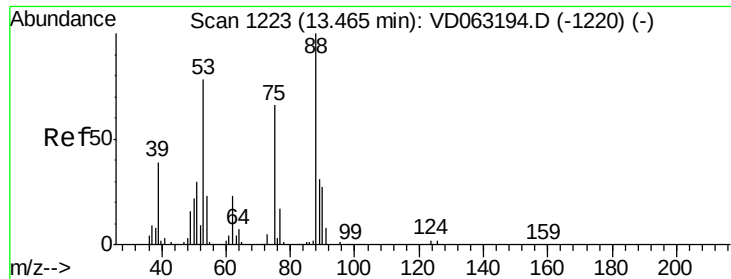
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063320.D
Acq: 2 Aug 2019 16:50

Tgt Ion:152 Resp: 165245
Ion Ratio Lower Upper
152 100
115 60.3 27.5 82.4
150 157.9 0.0 320.6



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: 192.024 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063320.D

Acq: 2 Aug 2019 16:50

Instrument :

MSVOA_D

ClientSampleId :

SW-3RE

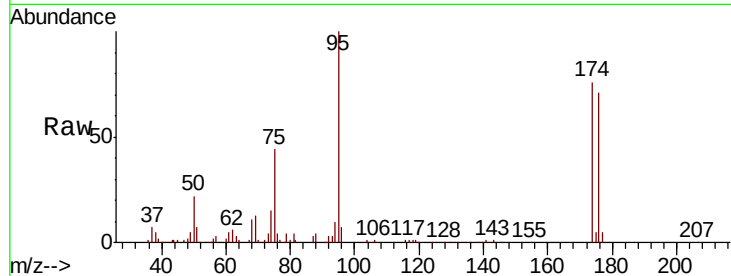
Tgt Ion: 75 Resp: 105832

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

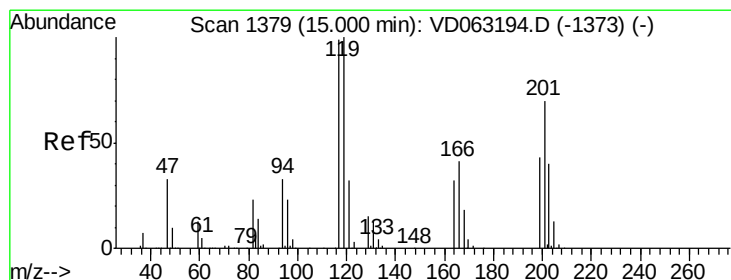
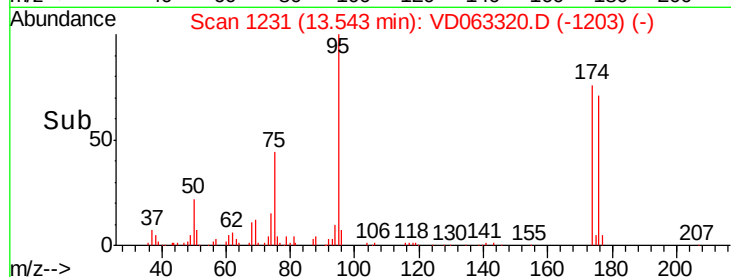
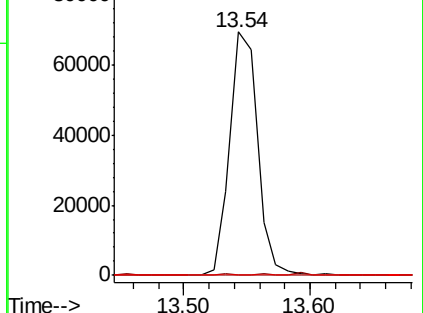
89 0.0 37.4 56.0#



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



#90

Hexachloroethane

Concen: 19.131 ug/l

RT: 15.09 min Scan# 1388

Delta R.T. 0.09 min

Lab File: VD063320.D

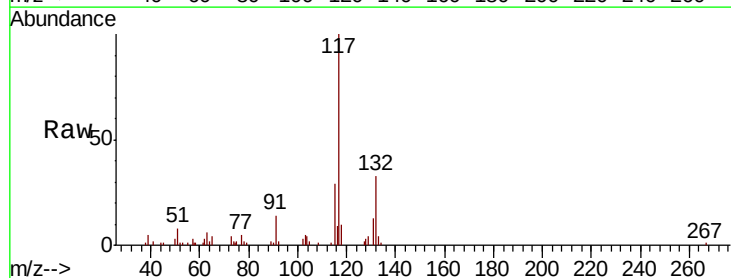
Acq: 2 Aug 2019 16:50

Tgt Ion: 117 Resp: 51194

Ion Ratio Lower Upper

117 100

201 0.0 35.2 105.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

