

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063302.D
 Acq On : 1 Aug 2019 19:40
 Operator : VA/AP
 Sample : K4120-12
 Misc : 5.14g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SW-2

Quant Time: Aug 02 07:26:57 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	7.04	168	890518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1314993	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	843790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	236862	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	457519	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
35) Dibromofluoromethane	6.92	113	520371	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
50) Toluene-d8	10.40	98	960230	38.22	ug/l	0.00
Spiked Amount			Recovery	=	76.44%	
62) 4-Bromofluorobenzene	13.54	95	267052	23.32	ug/l	-0.01
Spiked Amount			Recovery	=	46.64%	

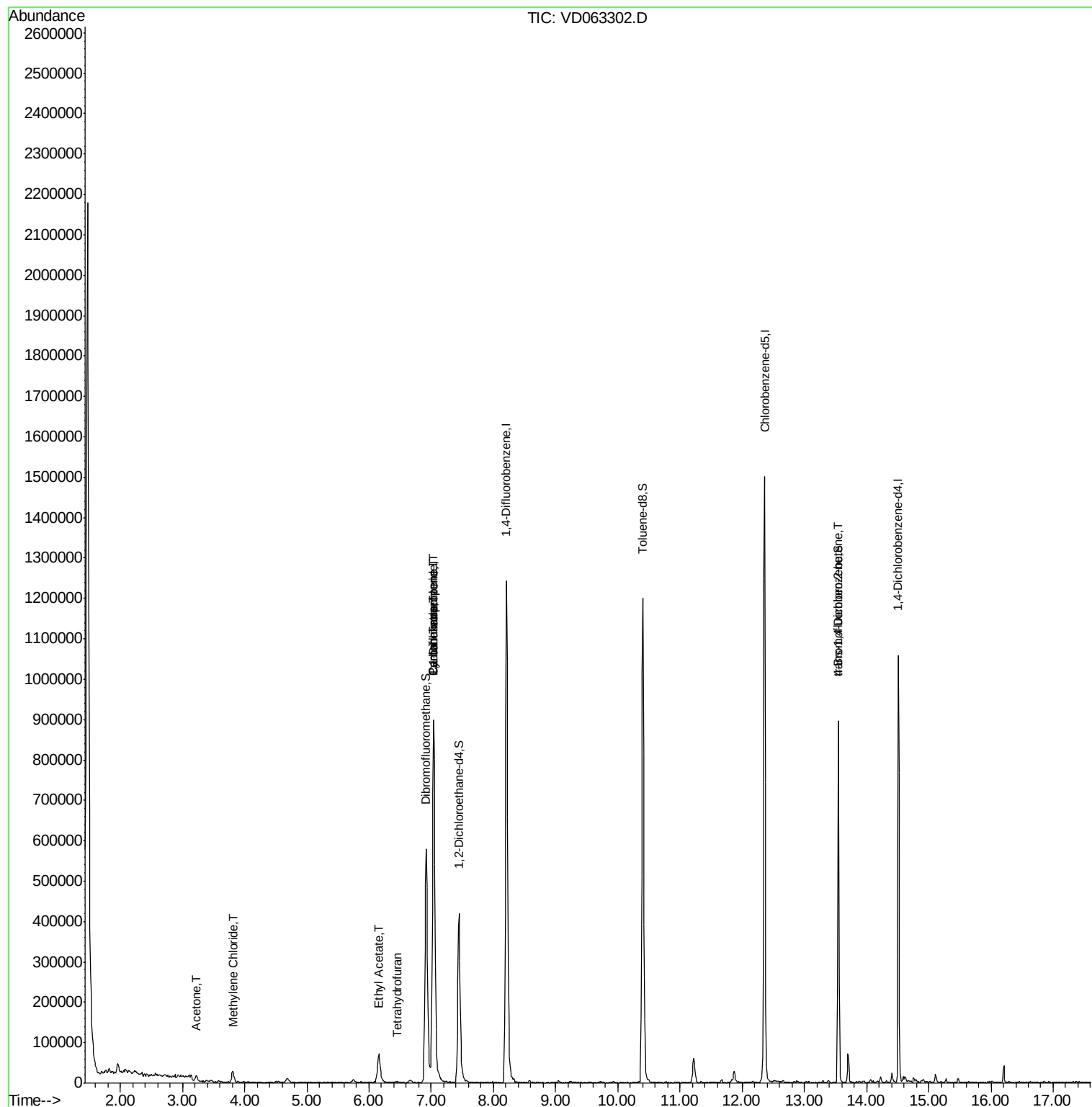
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	28160	14.627	ug/l	98
20) Methylene Chloride	3.82	84	16702	2.146	ug/l	89
29) Tetrahydrofuran	6.46	42	1492	1.631	ug/l #	66
31) Cyclohexane	7.04	56	19563	2.223	ug/l #	28
36) 1,1-Dichloropropene	7.04	75	64939	5.411	ug/l #	51
37) Ethyl Acetate	6.15	43	7078	1.313	ug/l #	2
38) Carbon Tetrachloride	7.04	117	79738	4.413	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.54	75	121968	154.389	ug/l #	3

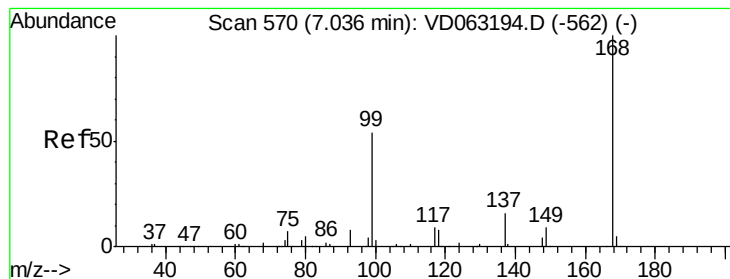
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080119\
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Quant Time: Aug 02 07:26:57 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: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063302.D

Acq: 1 Aug 2019 19:40

Instrument :

MSVOA_D

ClientSampleId :

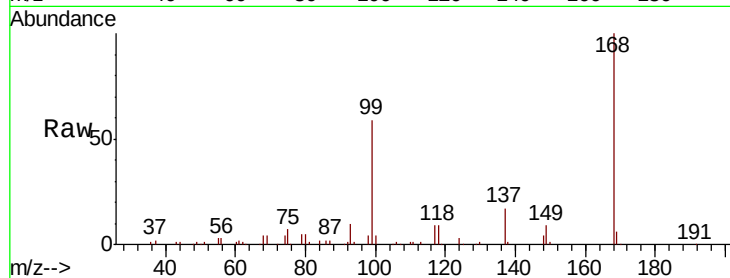
SW-2

Tot Ion:168 Resp: 890518

Ion Ratio Lower Upper

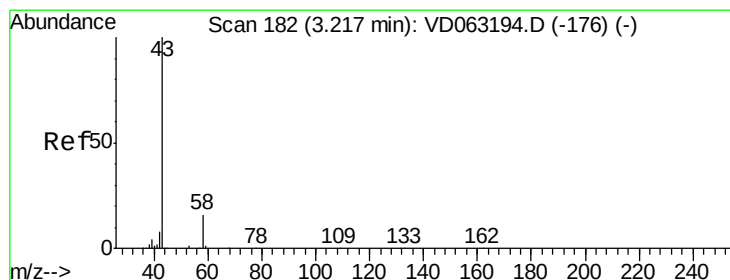
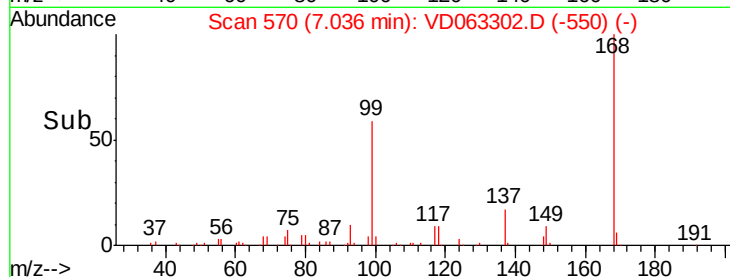
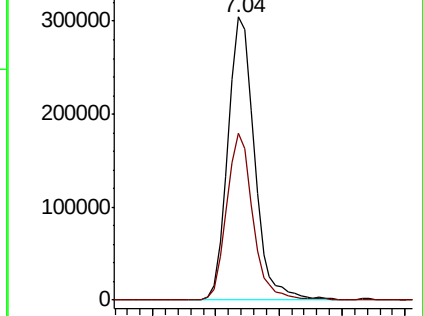
168 100

99 59.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 14.627 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063302.D

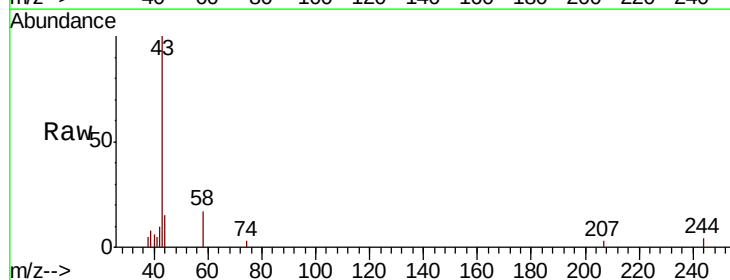
Acq: 1 Aug 2019 19:40

Tgt Ion: 43 Resp: 28160

Ion Ratio Lower Upper

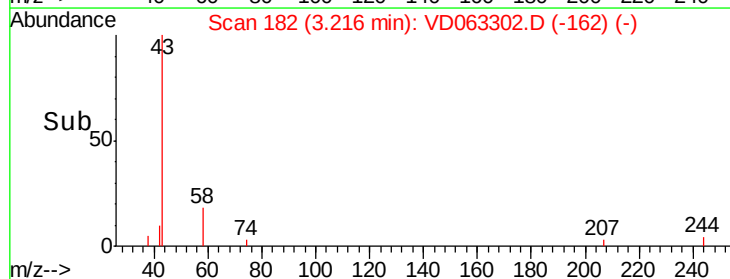
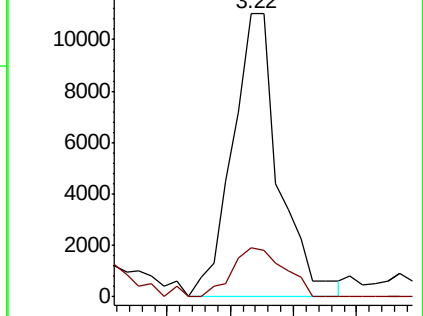
43 100

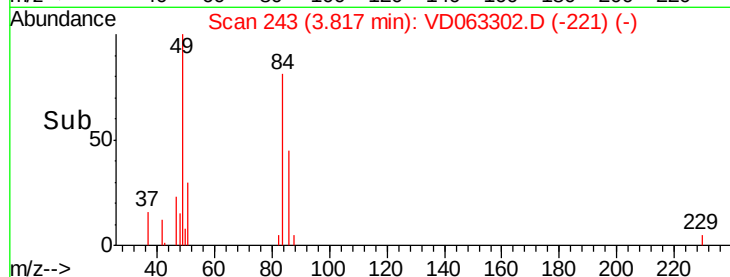
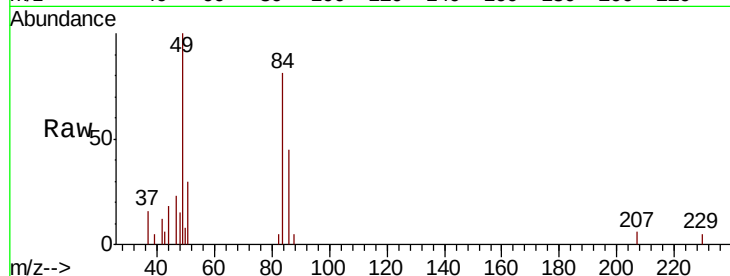
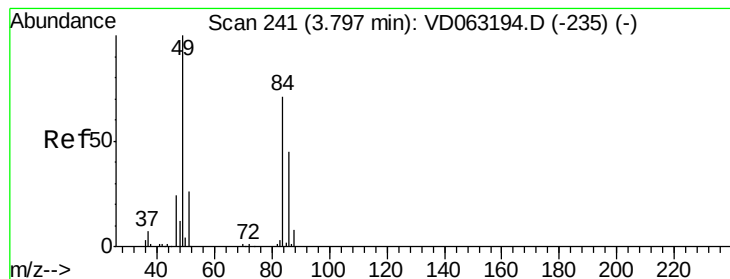
58 17.2 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 2.146 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD063302.D

Acq: 1 Aug 2019 19:40

Instrument :

MSVOA_D

ClientSampleId :

SW-2

Tot Ion: 84 Resp: 16702

Ion Ratio Lower Upper

84 100

49 122.8 112.5 168.7

51 37.0 29.6 44.4

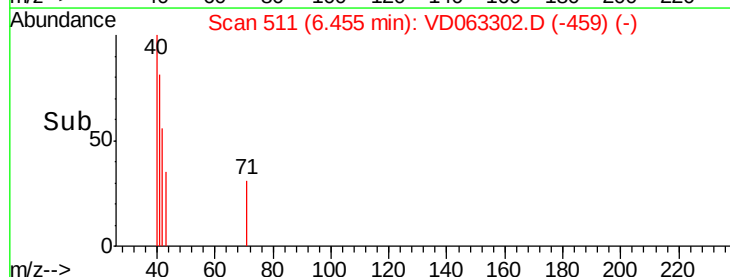
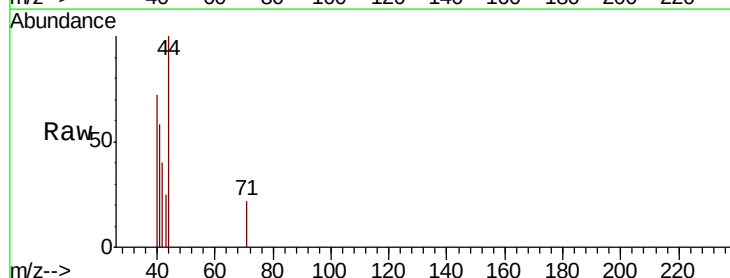
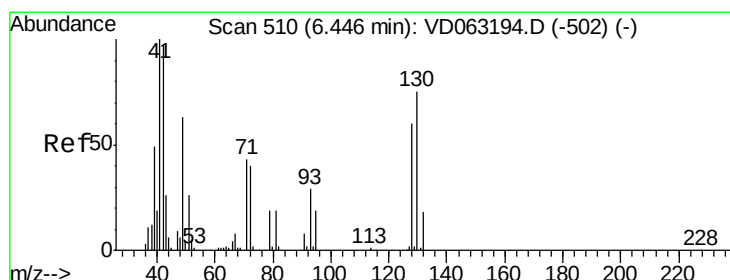
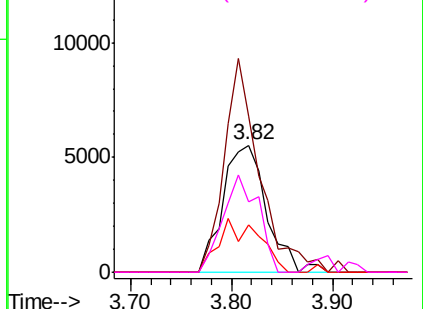
86 55.3 50.4 75.6

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



#29

Tetrahydrofuran

Concen: 1.631 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063302.D

Acq: 1 Aug 2019 19:40

Tgt Ion: 42 Resp: 1492

Ion Ratio Lower Upper

42 100

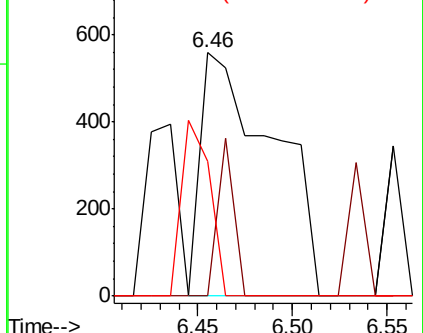
72 14.3 33.4 50.2#

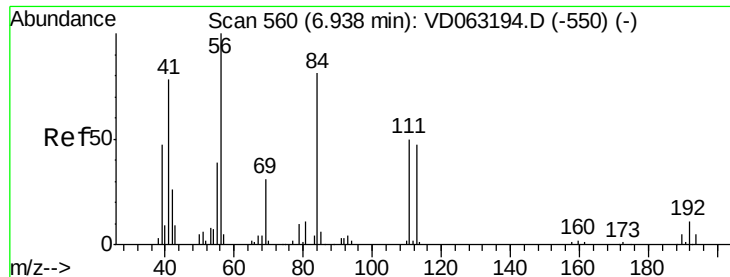
71 28.2 35.7 53.5#

Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

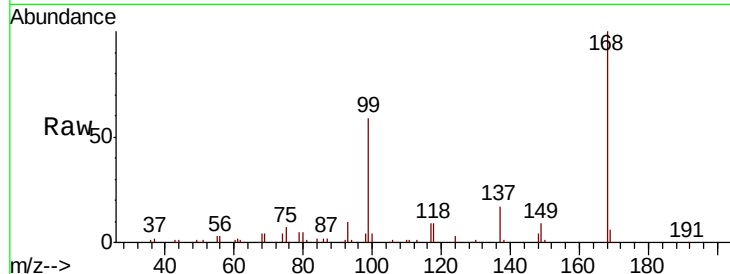




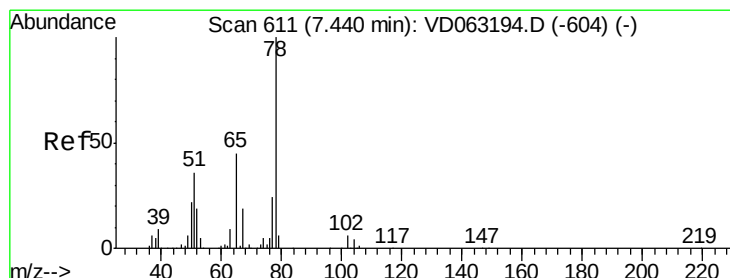
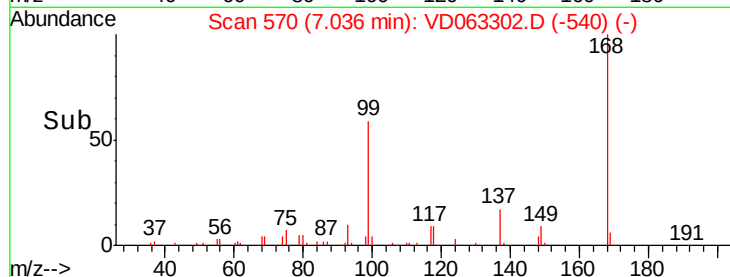
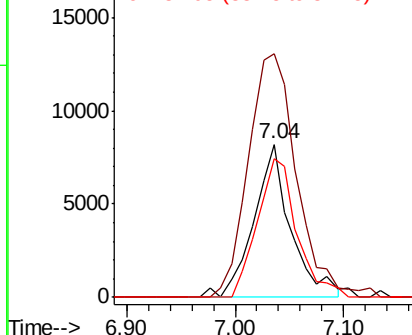
#31
Cyclohexane
Concen: 2.223 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063302.D
Acq: 1 Aug 2019 19:40

Instrument :
MSVOA_D
ClientSampleId :
SW-2

Tot Ion: 56 Resp: 19563
Ion Ratio Lower Upper
56 100
69 159.4 24.5 36.7#
84 90.4 64.9 97.3

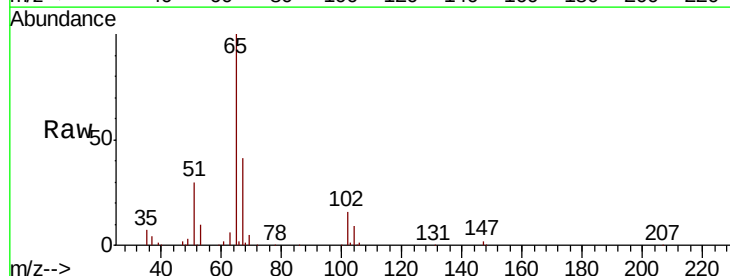


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

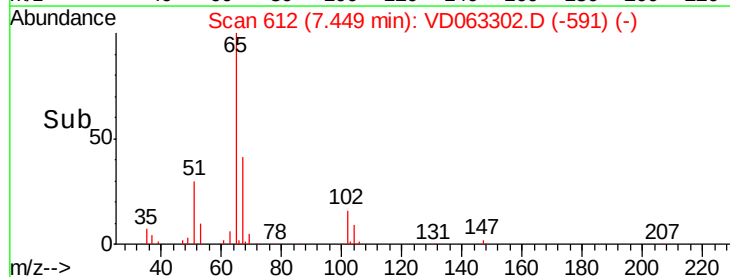
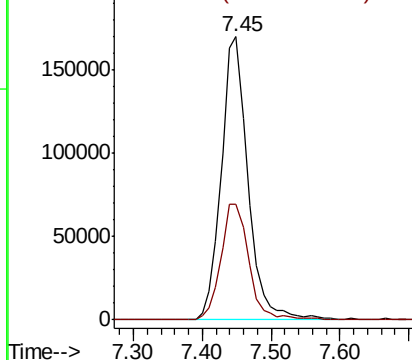


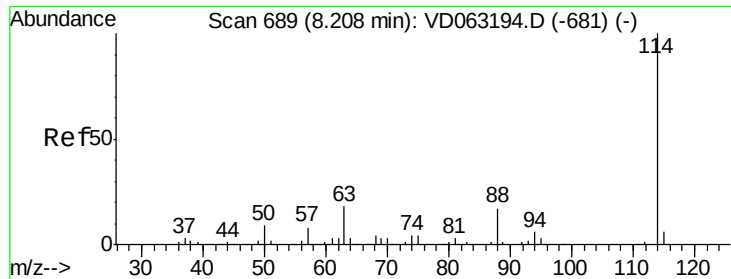
#33
1,2-Dichloroethane-d4
Concen: 46.302 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063302.D
Acq: 1 Aug 2019 19:40

Tgt Ion: 65 Resp: 457519
Ion Ratio Lower Upper
65 100
67 41.0 0.0 85.8



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

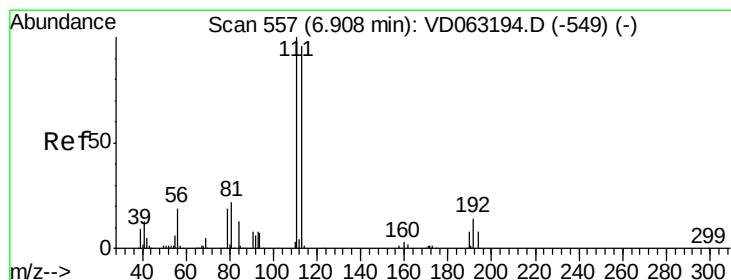
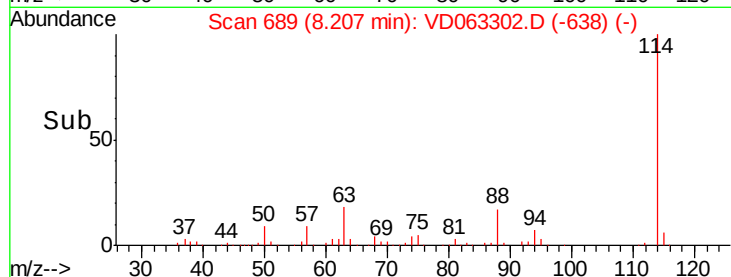
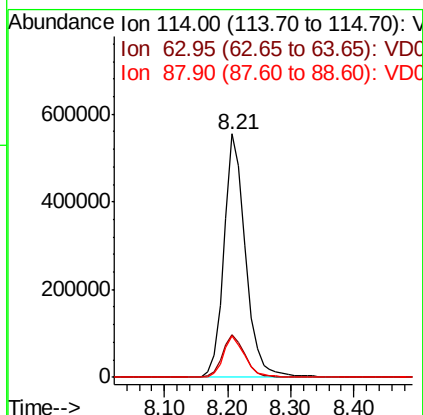
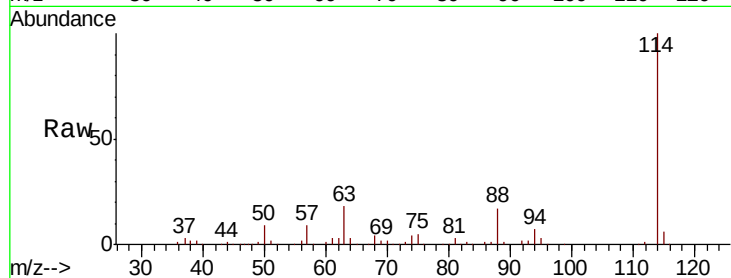




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD063302.D
 Acq: 1 Aug 2019 19:40

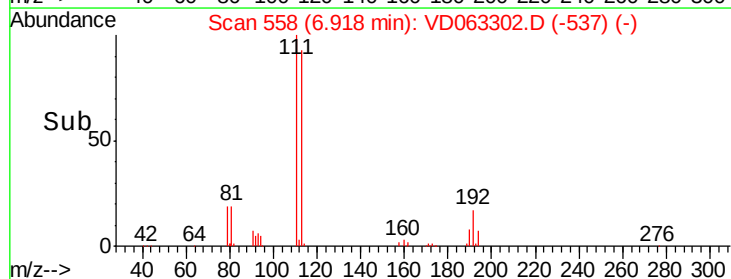
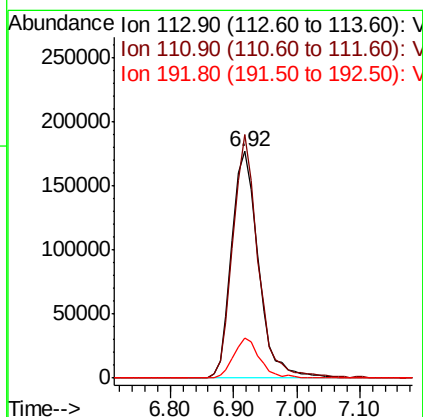
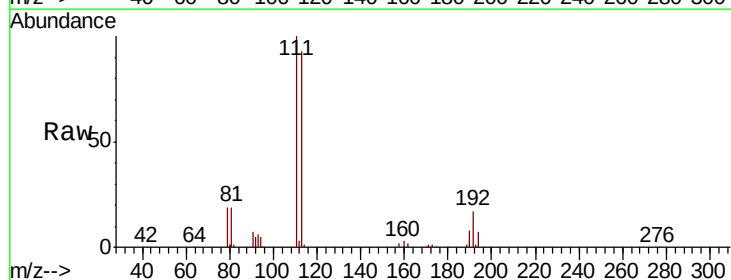
Instrument :
 MSVOA_D
 ClientSampleId :
 SW-2

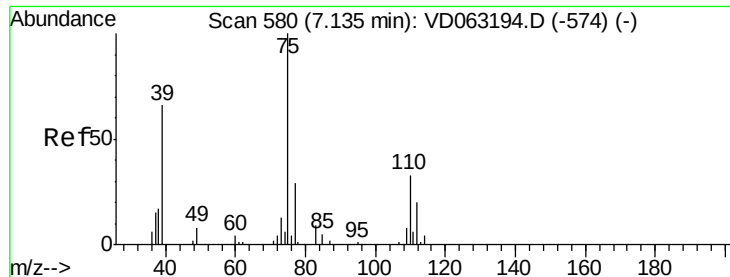
Tot Ion:114 Resp: 1314993
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.2
 88 17.2 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 46.349 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063302.D
 Acq: 1 Aug 2019 19:40

Tgt Ion:113 Resp: 520371
 Ion Ratio Lower Upper
 113 100
 111 107.4 83.2 124.8
 192 17.8 11.8 17.8#

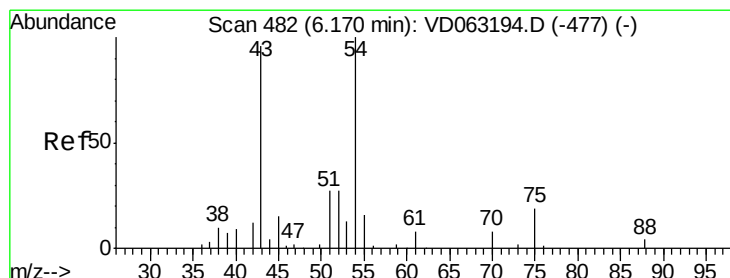
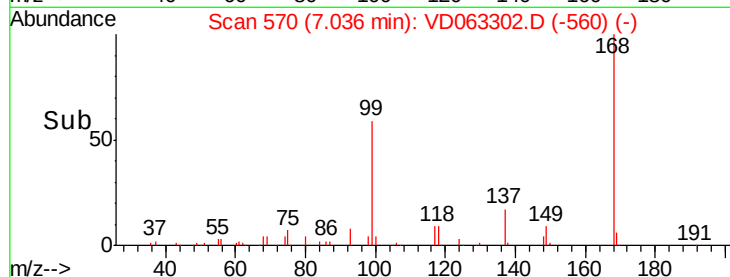
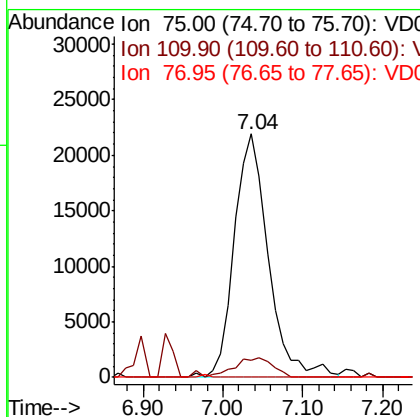
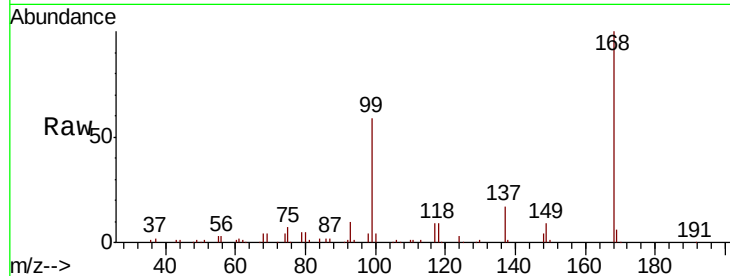




#36
 1,1-Dichloropropene
 Concen: 5.411 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD063302.D
 Acq: 1 Aug 2019 19:40

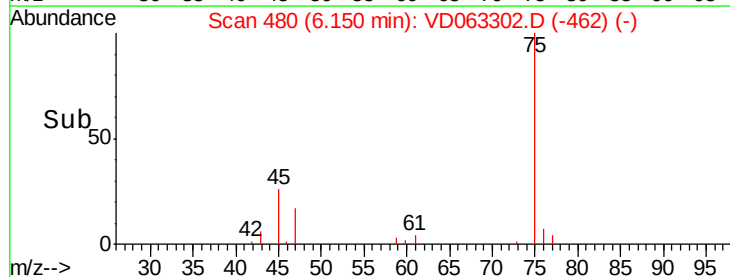
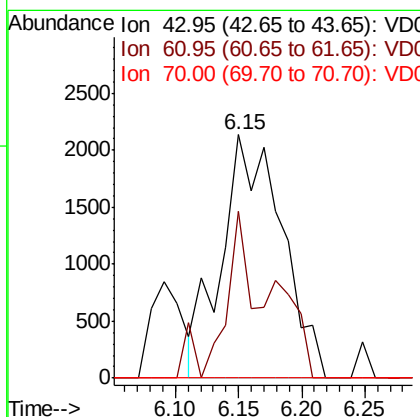
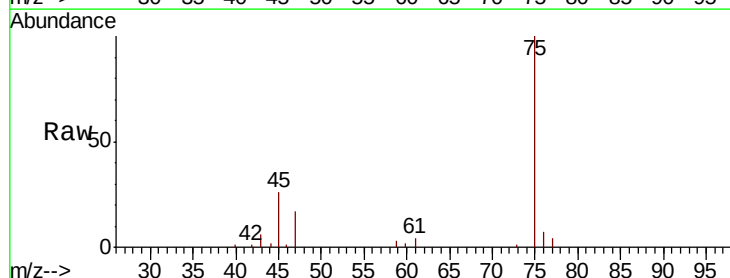
Instrument :
 MSVOA_D
 ClientSampled :
 SW-2

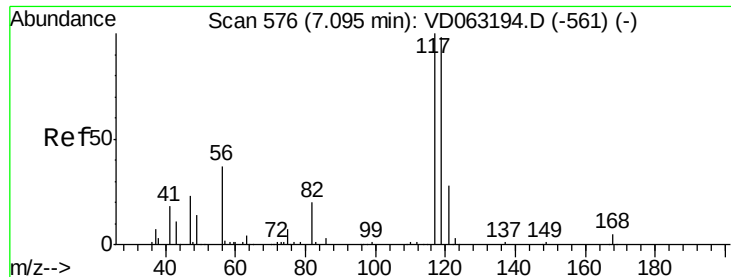
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.0	16.1	48.2#
77	0.0	22.7	34.1#



#37
 Ethyl Acetate
 Concen: 1.313 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: VD063302.D
 Acq: 1 Aug 2019 19:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	68.4	11.3	16.9#
70	0.0	5.1	7.7#





#38

Carbon Tetrachloride

Concen: 4.413 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063302.D

Acq: 1 Aug 2019 19:40

Instrument :

MSVOA_D

ClientSampleId :

SW-2

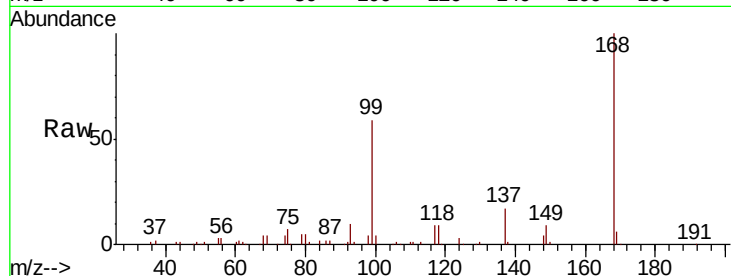
Tot Ion:117 Resp: 79738

Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.2#

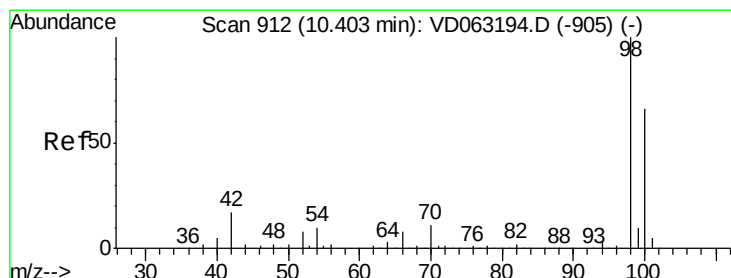
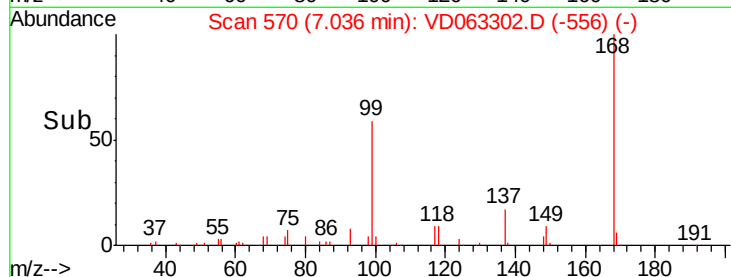
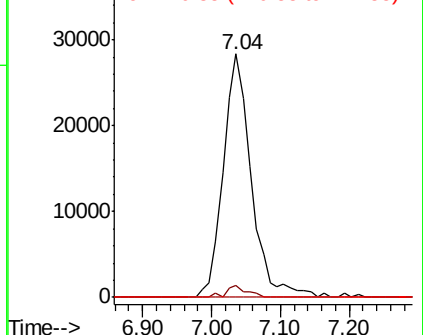
121 0.0 22.1 33.1#



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



#50

Toluene-d8

Concen: 38.216 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD063302.D

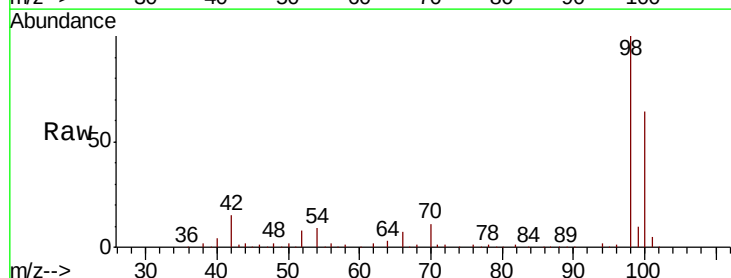
Acq: 1 Aug 2019 19:40

Tgt Ion: 98 Resp: 960230

Ion Ratio Lower Upper

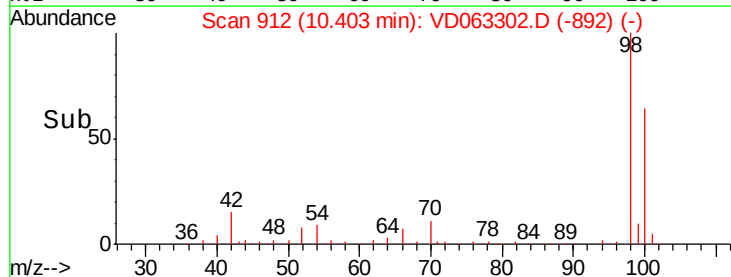
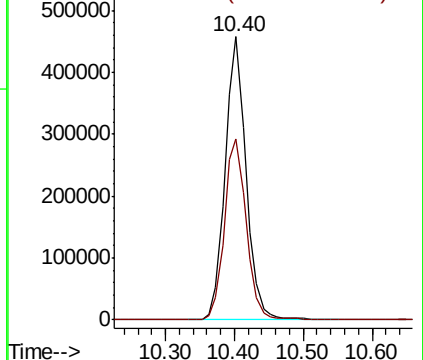
98 100

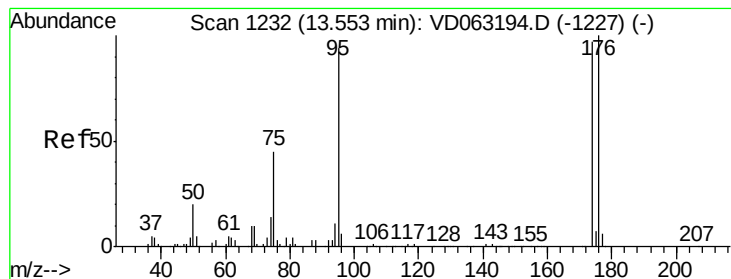
100 64.1 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 23.323 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063302.D

Acq: 1 Aug 2019 19:40

Instrument :

MSVOA_D

ClientSampleID :

SW-2

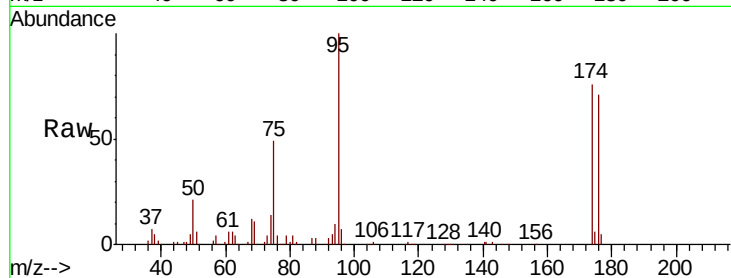
Tot Ion: 95 Resp: 267052

Ion Ratio Lower Upper

95 100

174 76.3 0.0 205.4

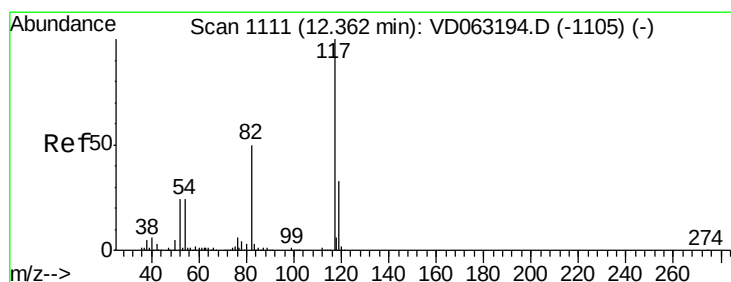
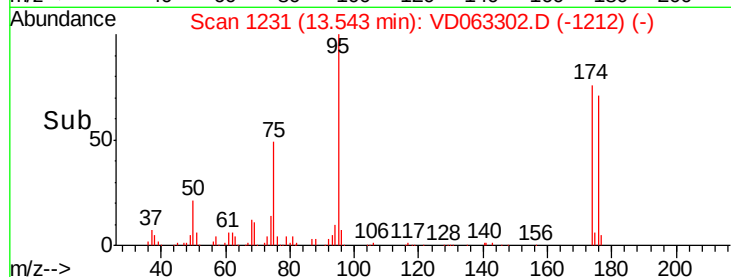
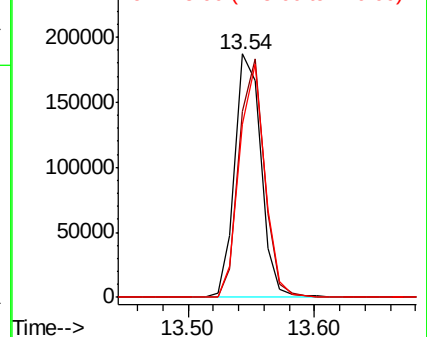
176 71.3 0.0 211.8



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD063302.D

Acq: 1 Aug 2019 19:40

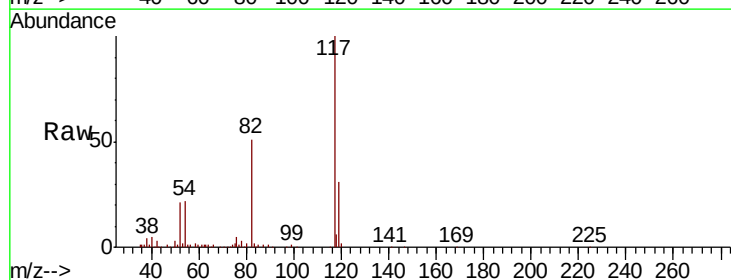
Tgt Ion: 117 Resp: 843790

Ion Ratio Lower Upper

117 100

82 51.4 40.1 60.1

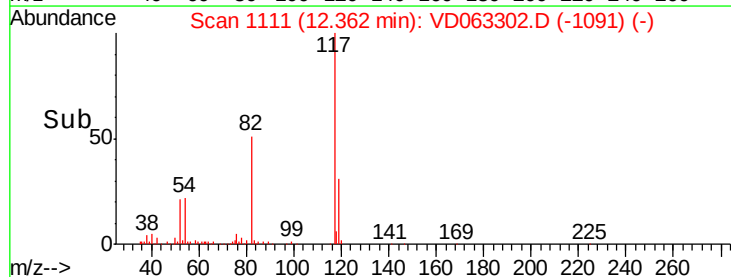
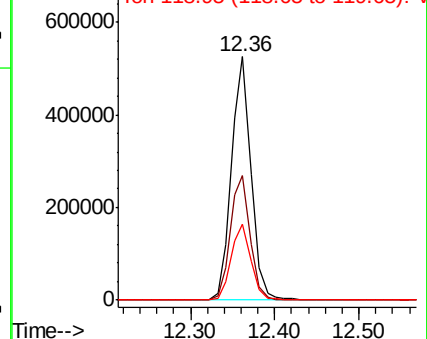
119 31.1 26.5 39.7

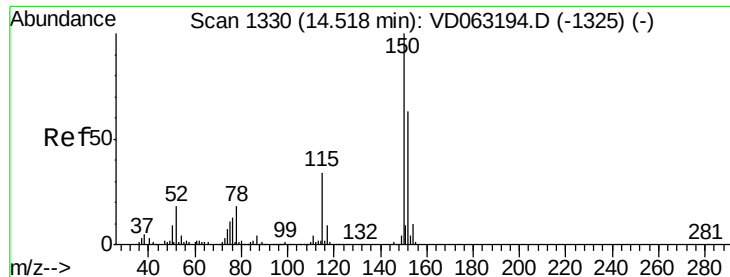


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



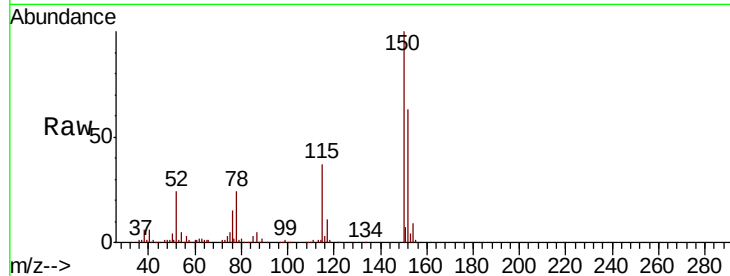


#72

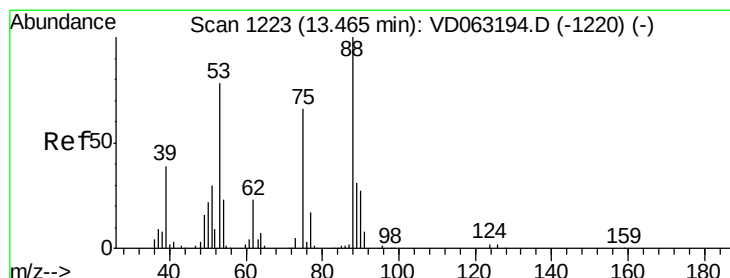
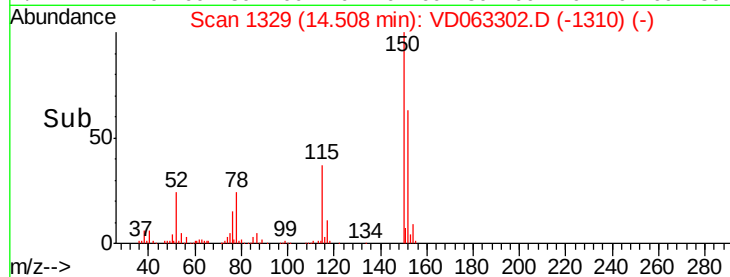
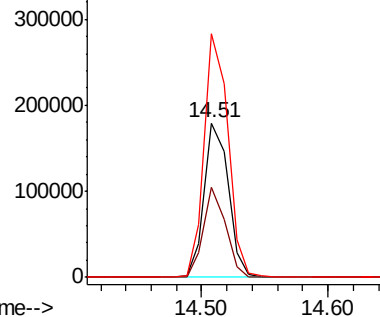
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063302.D
Acq: 1 Aug 2019 19:40

Instrument :
MSVOA_D
ClientSampleId :
SW-2

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.6	27.5	82.4
150	157.7	0.0	320.6



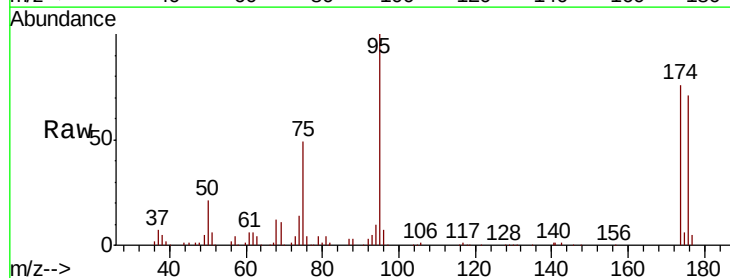
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 154.389 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.08 min
Lab File: VD063302.D
Acq: 1 Aug 2019 19:40

Tgt 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

