

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063291.D
 Acq On : 1 Aug 2019 14:40
 Operator : VA/AP
 Sample : K4120-01
 Misc : 5.24g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T1-1

Quant Time: Aug 02 07:24:22 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	1111649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1605760	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1203873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	422445	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	437309	35.45	ug/l	0.02
Spiked Amount			Recovery	=	70.90%	
35) Dibromofluoromethane	6.92	113	489200	35.68	ug/l	0.02
Spiked Amount			Recovery	=	71.36%	
50) Toluene-d8	10.41	98	996043	32.46	ug/l	0.00
Spiked Amount			Recovery	=	64.92%	
62) 4-Bromofluorobenzene	13.55	95	341812	24.45	ug/l	0.00
Spiked Amount			Recovery	=	48.90%	

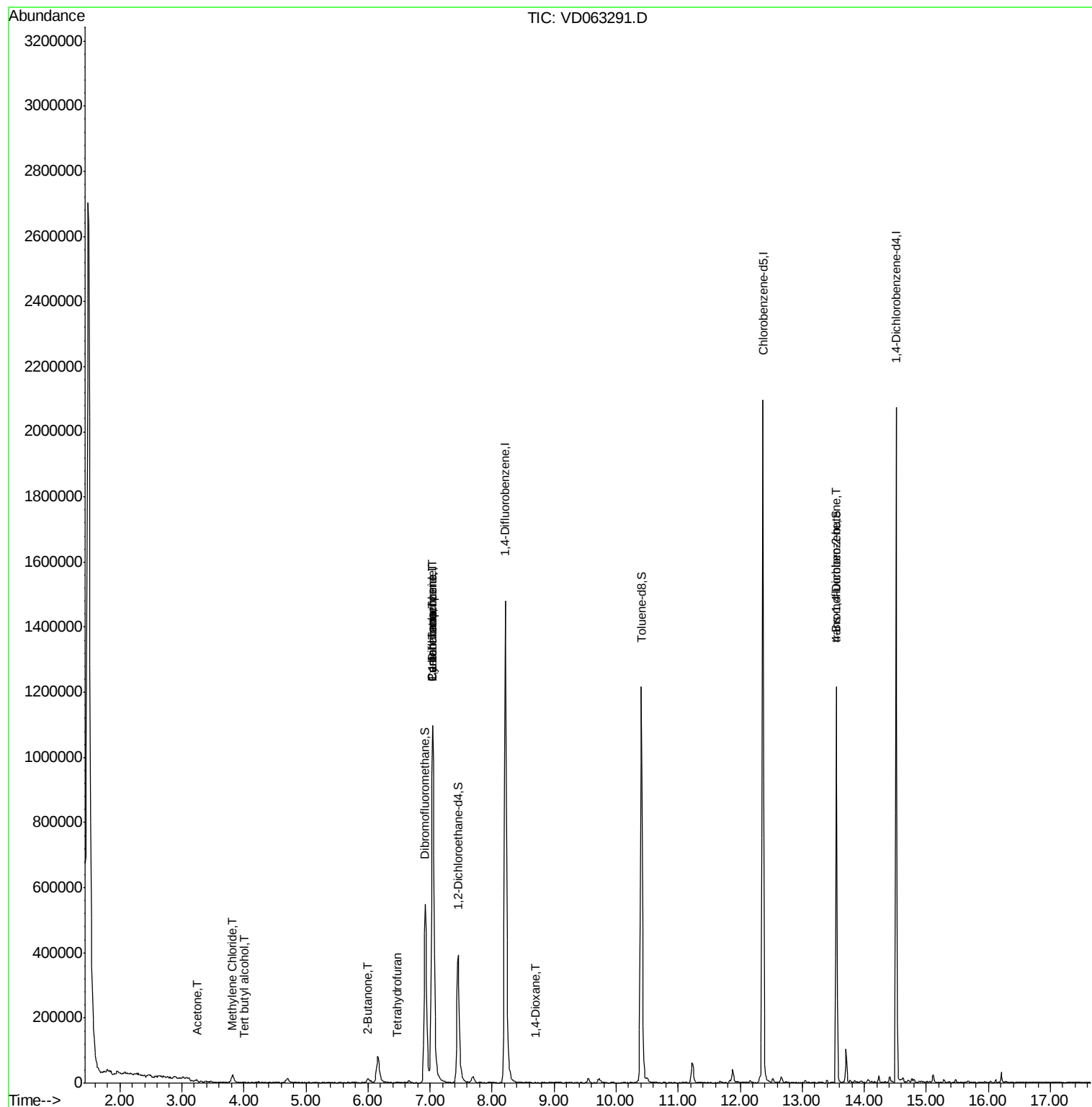
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.01	59	760	1.404	ug/l #	69
16) Acetone	3.23	43	14299	5.950	ug/l #	79
20) Methylene Chloride	3.81	84	11045	1.137	ug/l #	86
25) 2-Butanone	6.01	43	9476	3.929	ug/l #	56
29) Tetrahydrofuran	6.46	42	1477	1.293	ug/l #	76
31) Cyclohexane	7.03	56	24229	2.205	ug/l #	32
36) 1,1-Dichloropropene	7.03	75	81739	5.578	ug/l #	54
38) Carbon Tetrachloride	7.04	117	105334	4.774	ug/l #	16
49) 1,4-Dioxane	8.69	88	249	1.277	ug/l #	22
81) trans-1,4-Dichloro-2-buten	13.55	75	150060	106.503	ug/l #	3

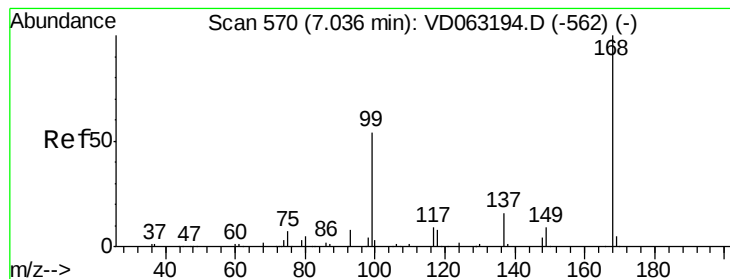
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080119\
Data File : VD063291.D
Acq On : 1 Aug 2019 14:40
Operator : VA/AP
Sample : K4120-01
Misc : 5.24g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
T1-1

Quant Time: Aug 02 07:24:22 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. 0.01 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

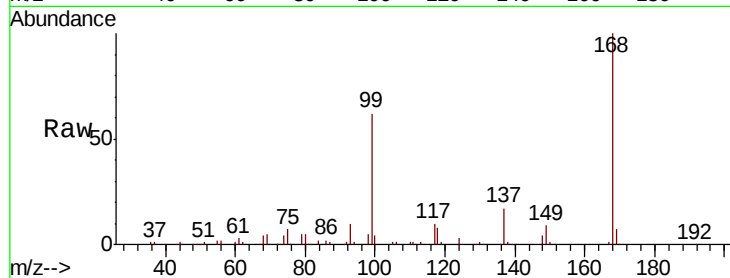
T1-1

Tot Ion:168 Resp: 1111649

Ion Ratio Lower Upper

168 100

99 61.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

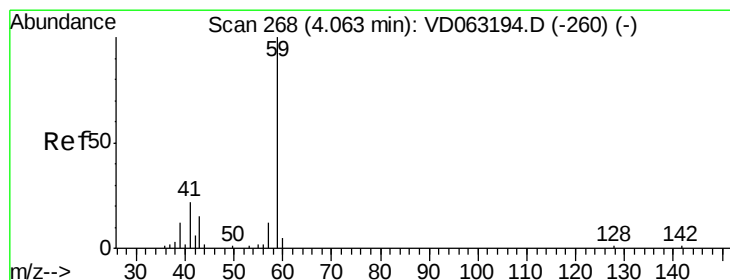
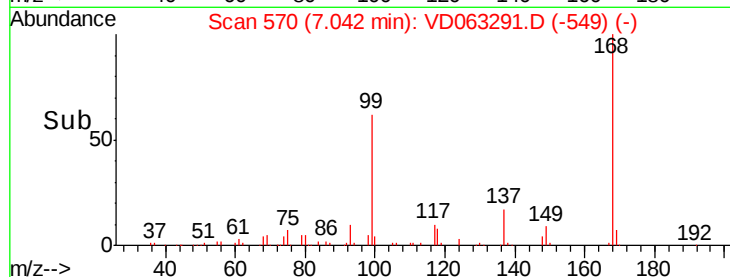
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 1.404 ug/l

RT: 4.01 min Scan# 262

Delta R.T. -0.05 min

Lab File: VD063291.D

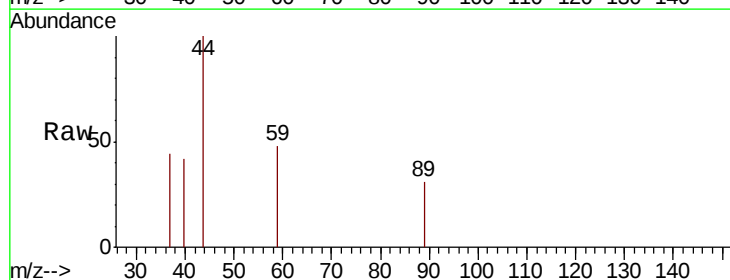
Acq: 1 Aug 2019 14:40

Tgt Ion: 59 Resp: 760

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.01

500

400

300

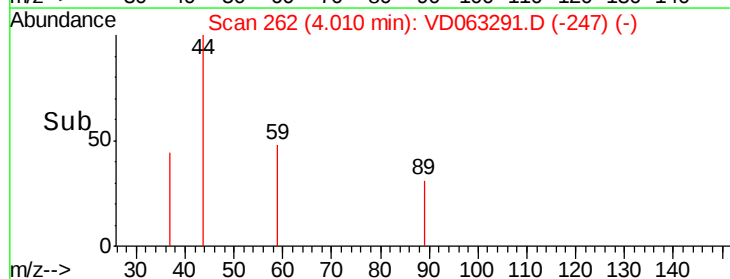
200

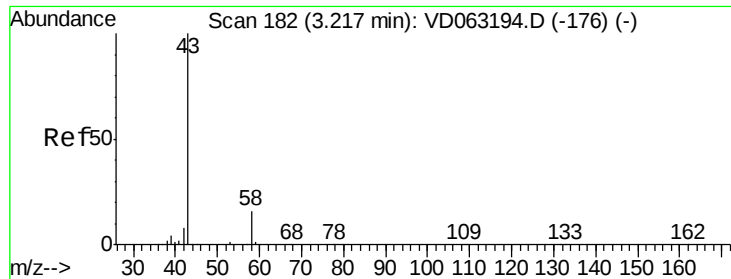
100

0

3.95 4.00 4.05

Time-->





#16

Acetone

Concen: 5.950 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

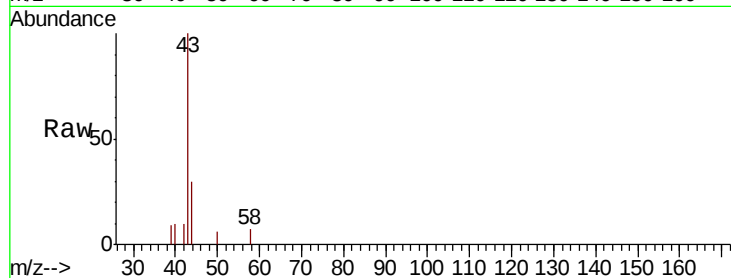
T1-1

Tot Ion: 43 Resp: 14299

Ion Ratio Lower Upper

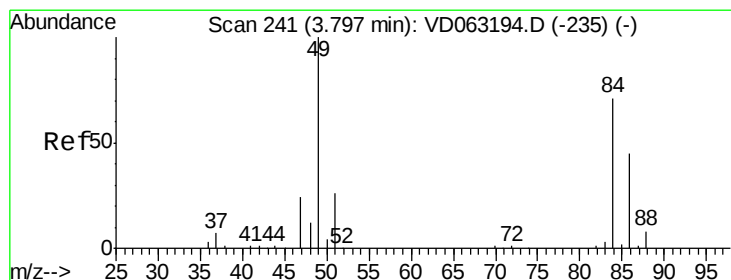
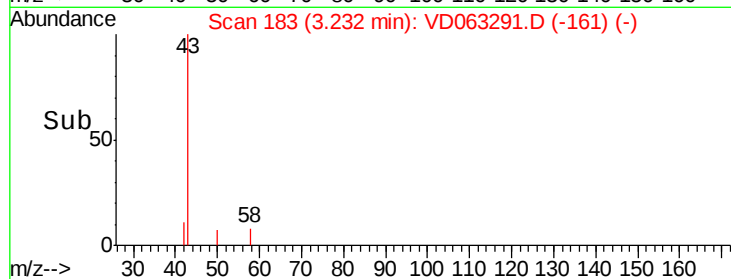
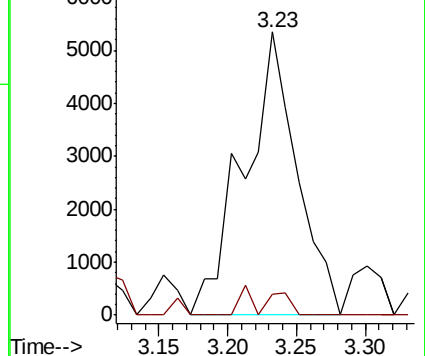
43 100

58 7.3 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: 1.137 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.02 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

Tgt Ion: 84 Resp: 11045

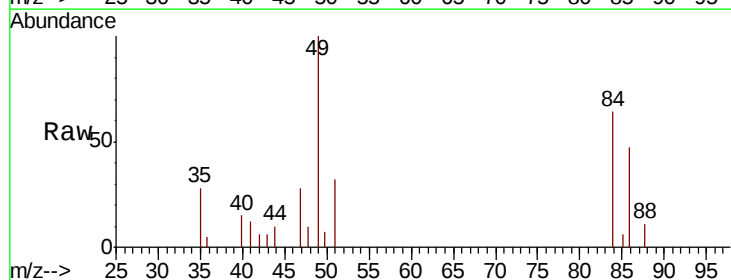
Ion Ratio Lower Upper

84 100

49 156.4 112.5 168.7

51 49.3 29.6 44.4#

86 73.0 50.4 75.6

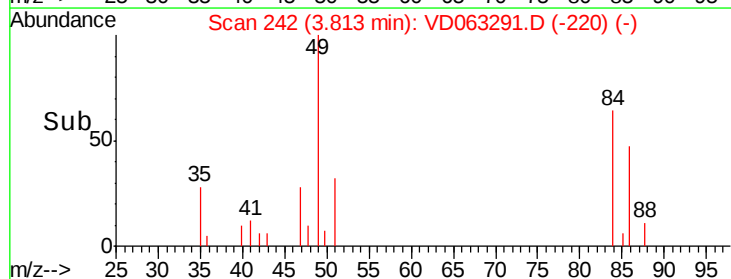
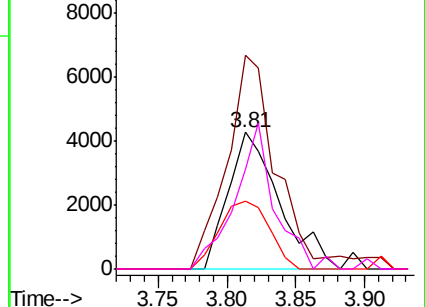


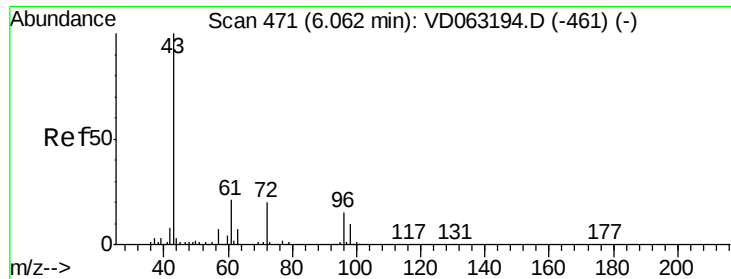
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 3.929 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.05 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

Instrument :

MSVOA_D

ClientSampled :

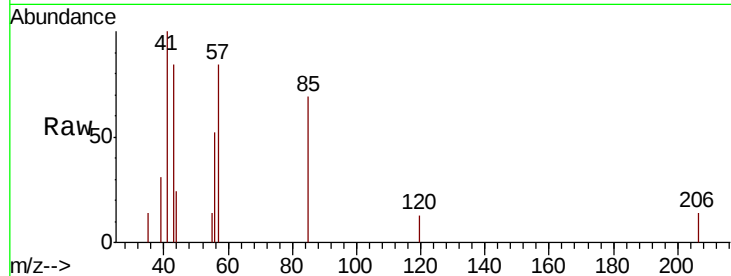
T1-1

Tot Ion: 43 Resp: 9476

Ion Ratio Lower Upper

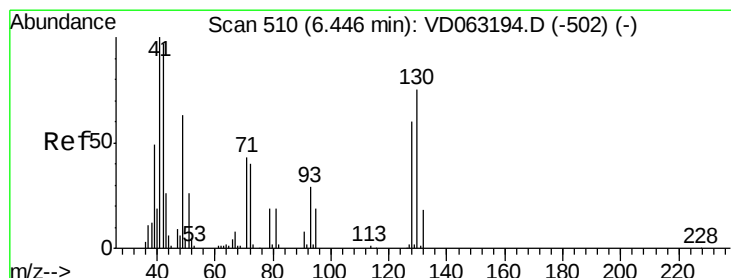
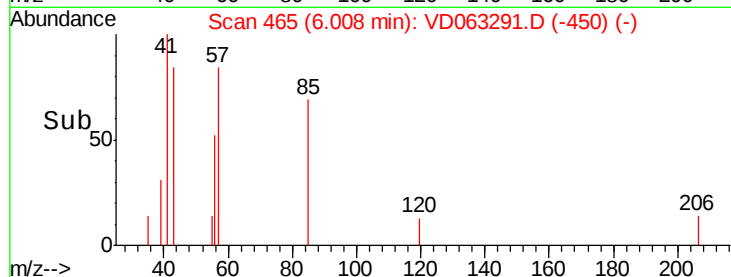
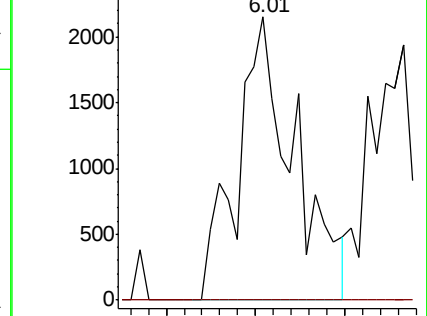
43 100

72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.293 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.02 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

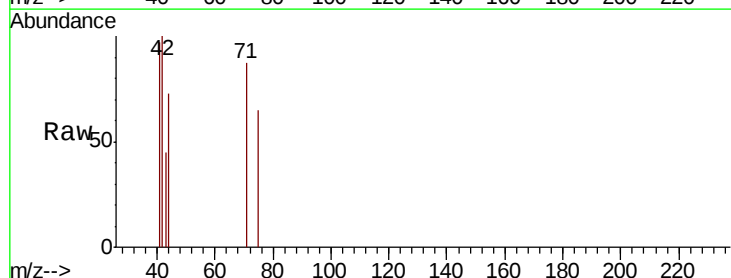
Tgt Ion: 42 Resp: 1477

Ion Ratio Lower Upper

42 100

72 19.4 33.4 50.2#

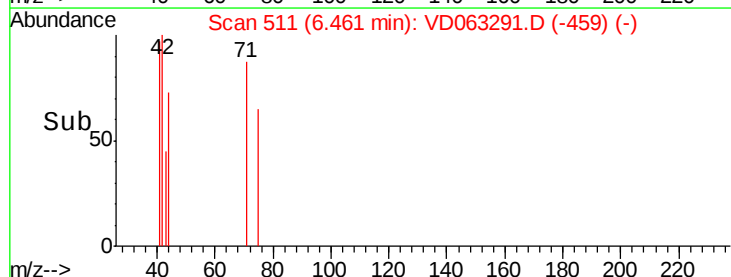
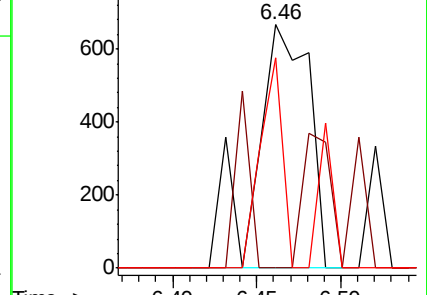
71 35.8 35.7 53.5

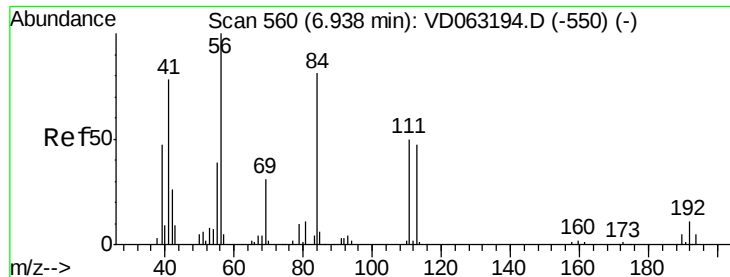


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

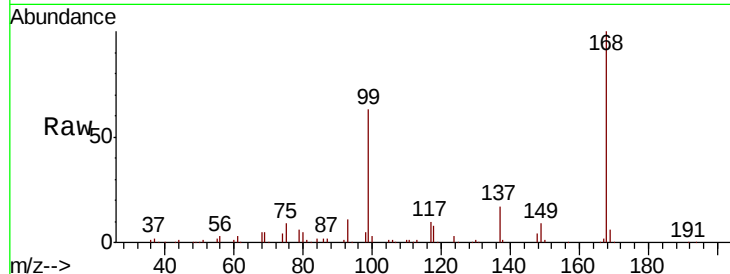




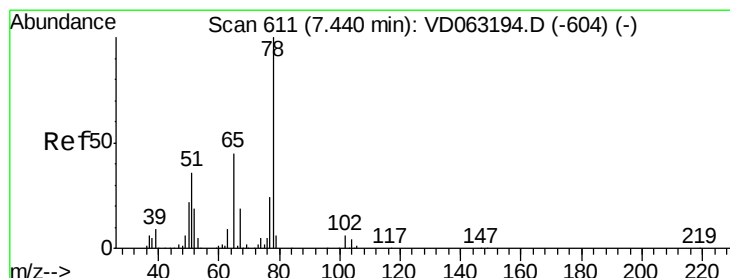
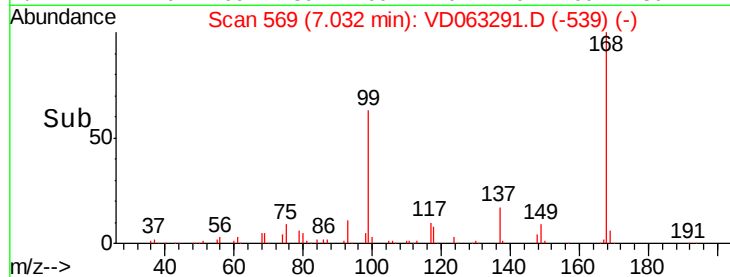
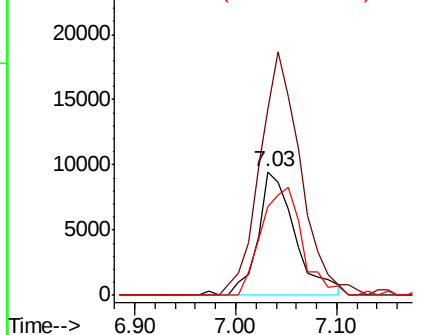
#31
Cyclohexane
Concen: 2.205 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD063291.D
Acq: 1 Aug 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
T1-1

Tot Ion: 56 Resp: 24229
Ion Ratio Lower Upper
56 100
69 150.9 24.5 36.7#
84 71.4 64.9 97.3

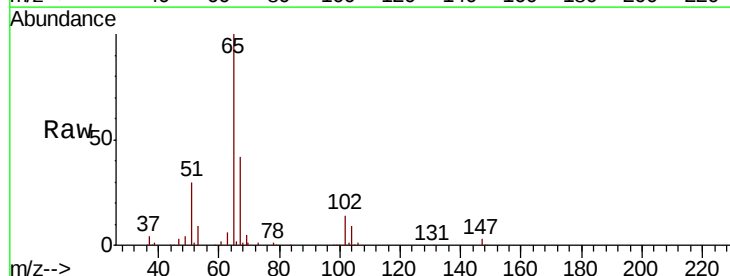


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

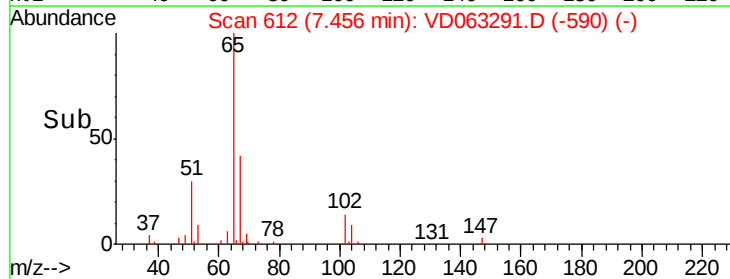
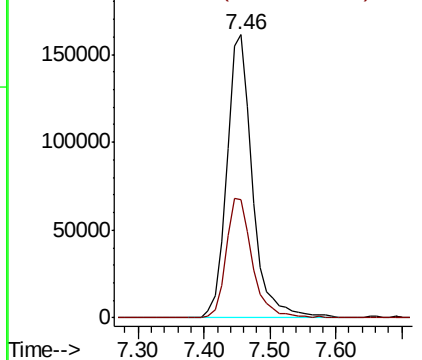


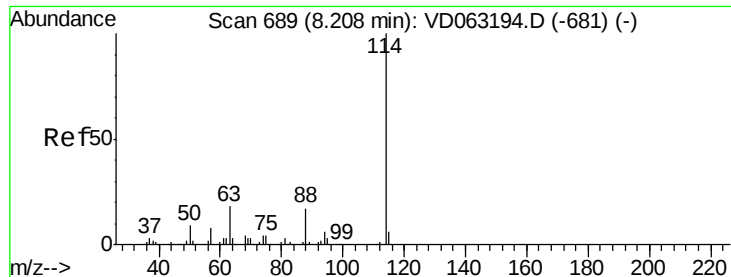
#33
1,2-Dichloroethane-d4
Concen: 35.453 ug/l
RT: 7.46 min Scan# 612
Delta R.T. 0.02 min
Lab File: VD063291.D
Acq: 1 Aug 2019 14:40

Tgt Ion: 65 Resp: 437309
Ion Ratio Lower Upper
65 100
67 42.0 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. 0.01 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

T1-1

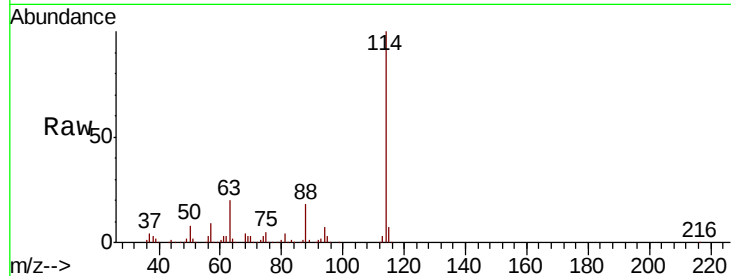
Tot Ion:114 Resp: 1605760

Ion Ratio Lower Upper

114 100

63 19.7 0.0 35.2

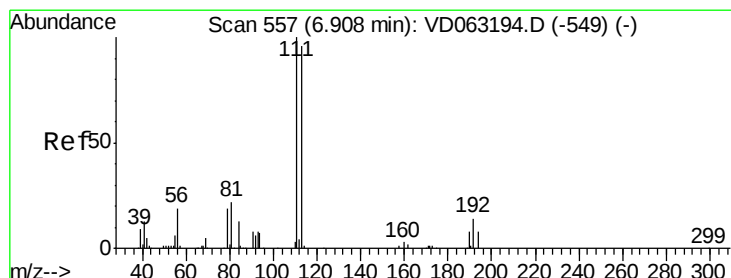
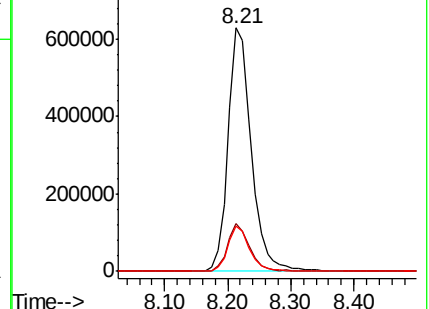
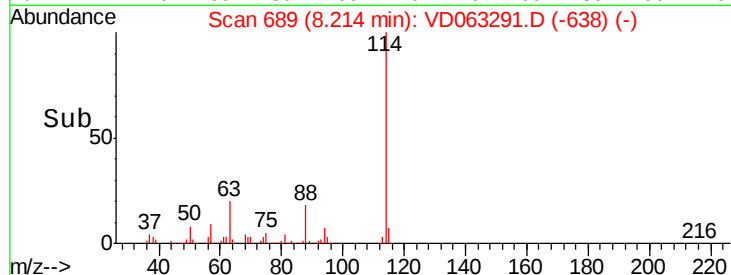
88 18.3 0.0 34.6



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: 35.683 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

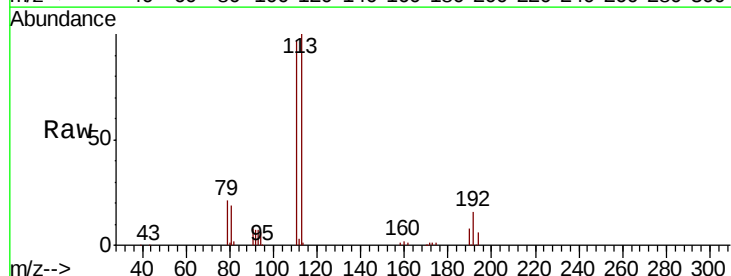
Tgt Ion:113 Resp: 489200

Ion Ratio Lower Upper

113 100

111 97.0 83.2 124.8

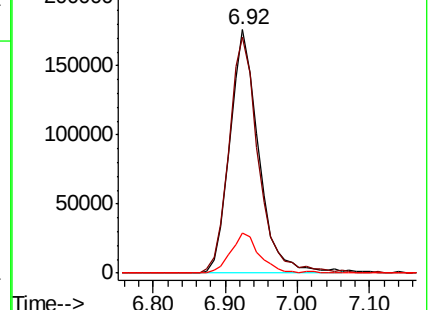
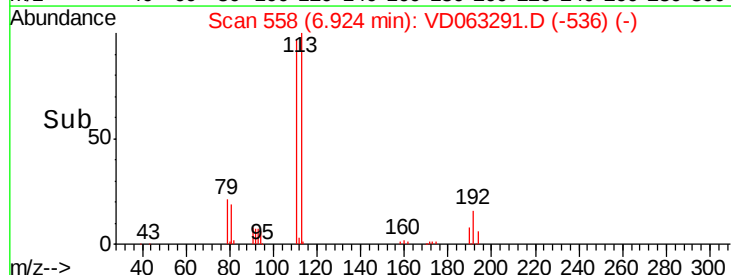
192 16.5 11.8 17.8

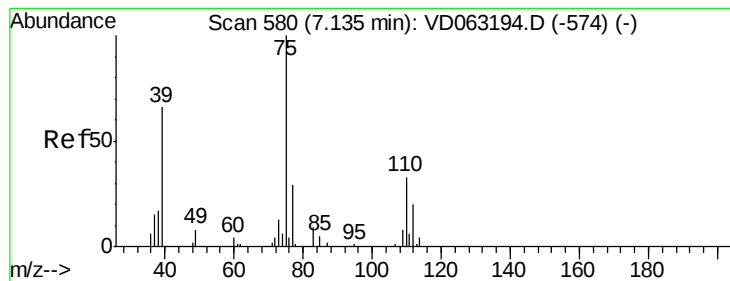


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.578 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

T1-1

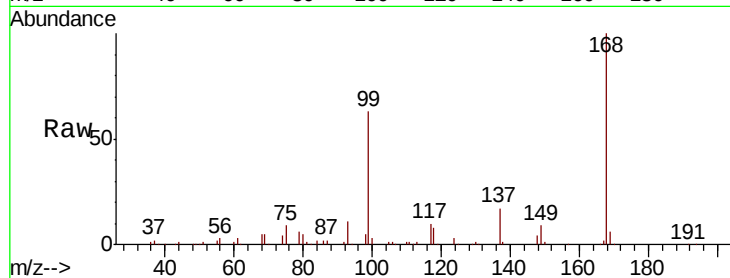
Tot Ion: 75 Resp: 81739

Ion Ratio Lower Upper

75 100

110 9.9 16.1 48.2#

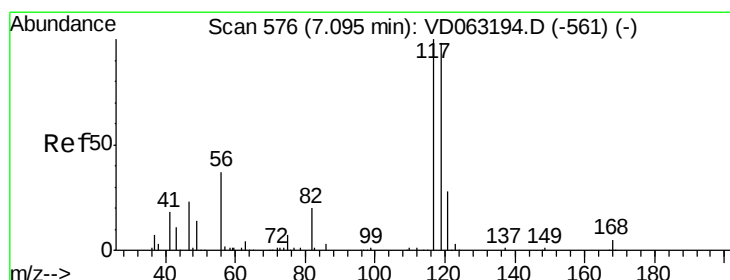
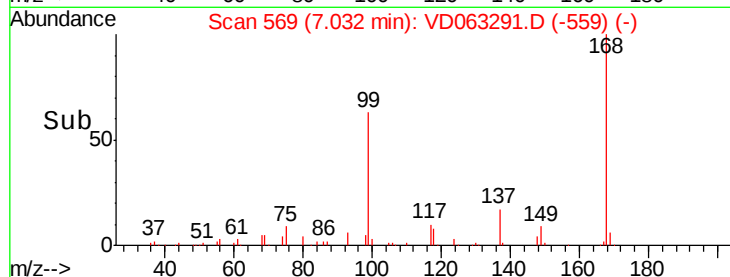
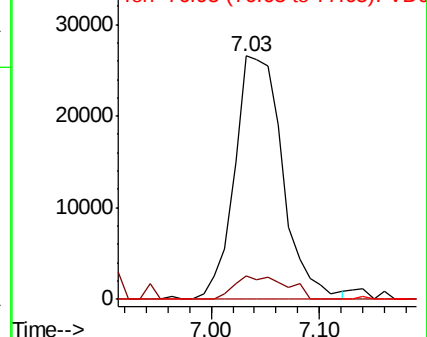
77 0.0 22.7 34.1#



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: 4.774 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

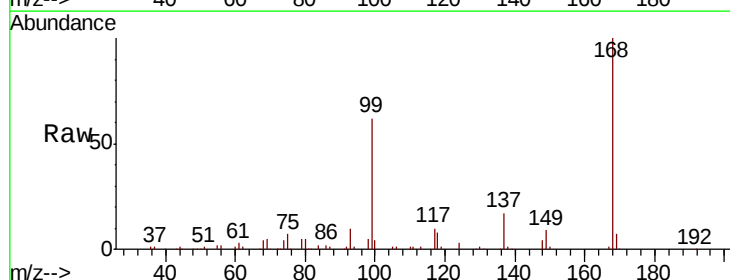
Tgt Ion: 117 Resp: 105334

Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.2#

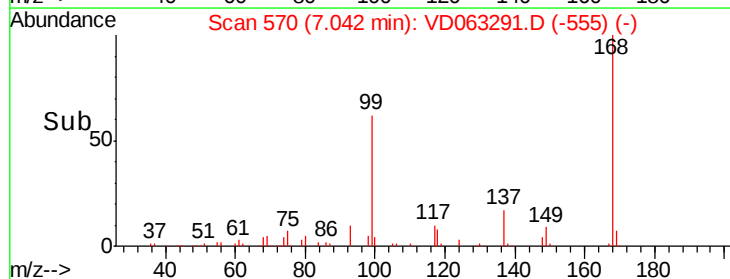
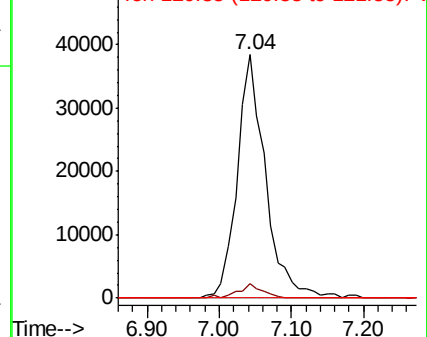
121 0.0 22.1 33.1#

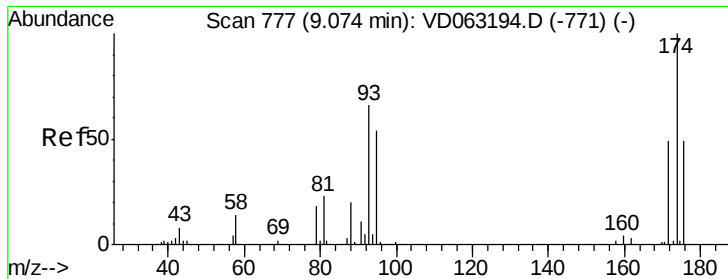


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

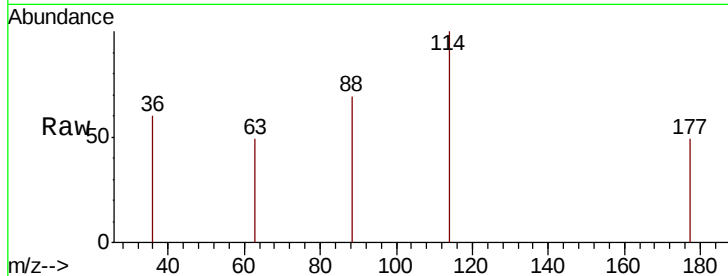




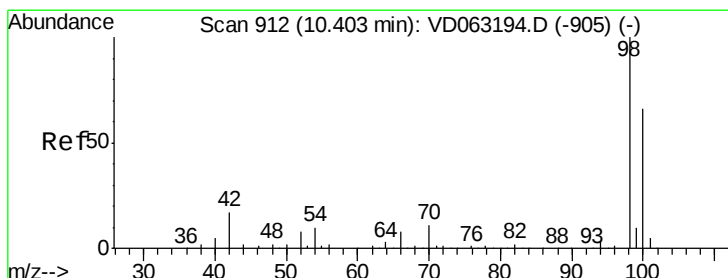
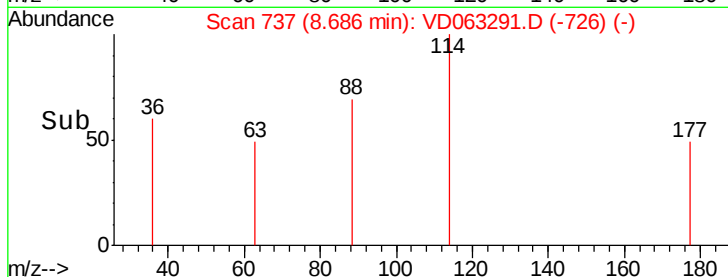
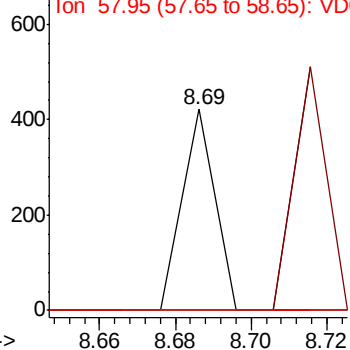
#49
 1,4-Dioxane
 Concen: 1.277 ug/l
 RT: 8.69 min Scan# 737
 Delta R.T. -0.39 min
 Lab File: VD063291.D
 Acq: 1 Aug 2019 14:40

Instrument :
 MSVOA_D
 ClientSampled :
 T1-1

Tot Ion: 88 Resp: 249
 Ion Ratio Lower Upper
 88 100
 43 0.0 30.7 46.1#
 58 0.0 56.5 84.7#

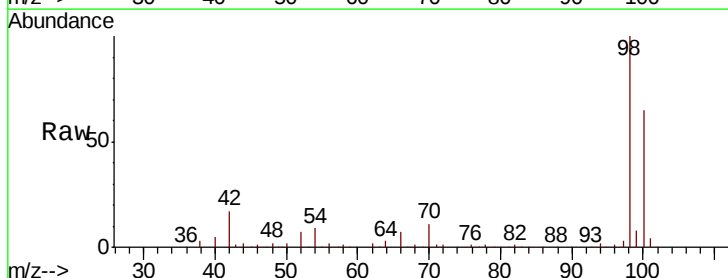


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

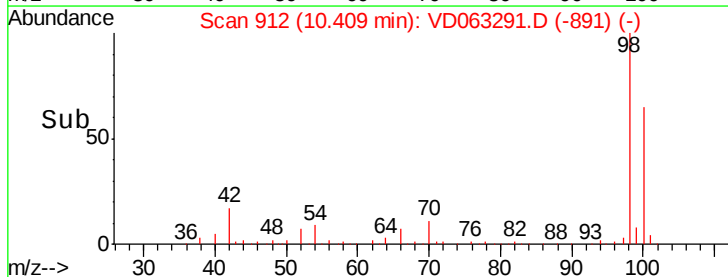
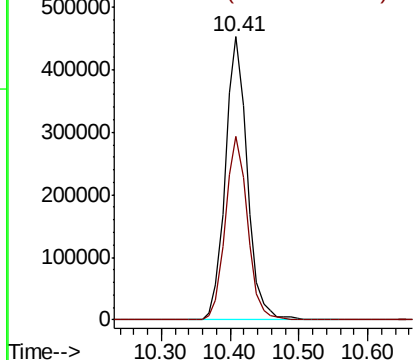


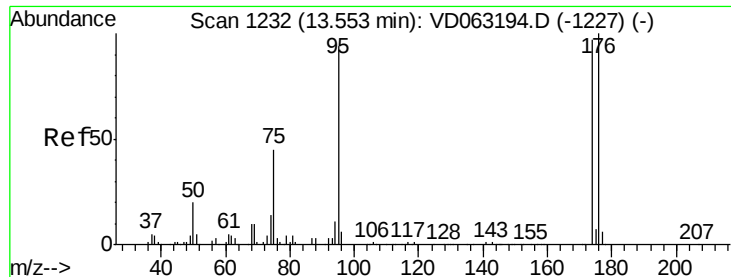
#50
 Toluene-d8
 Concen: 32.463 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD063291.D
 Acq: 1 Aug 2019 14:40

Tgt Ion: 98 Resp: 996043
 Ion Ratio Lower Upper
 98 100
 100 65.0 53.2 79.8



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





#62

4-Bromofluorobenzene

Concen: 24.447 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

Instrument :

MSVOA_D

ClientSampled :

T1-1

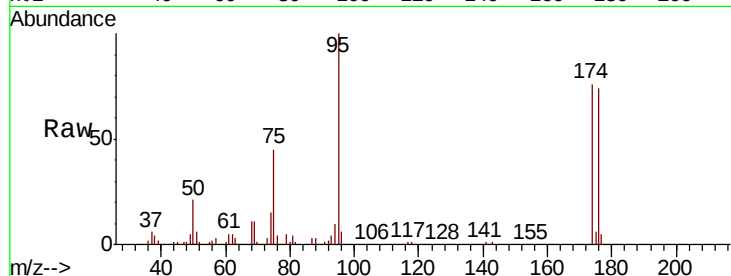
Tot Ion: 95 Resp: 341812

Ion Ratio Lower Upper

95 100

174 76.4 0.0 205.4

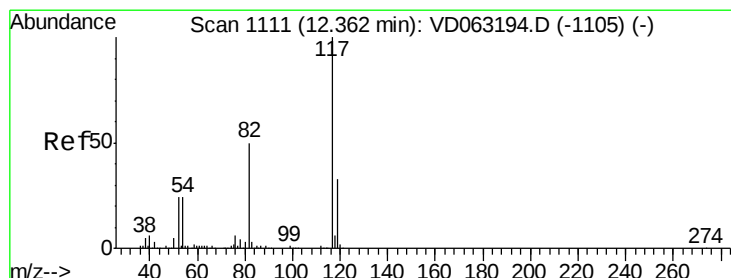
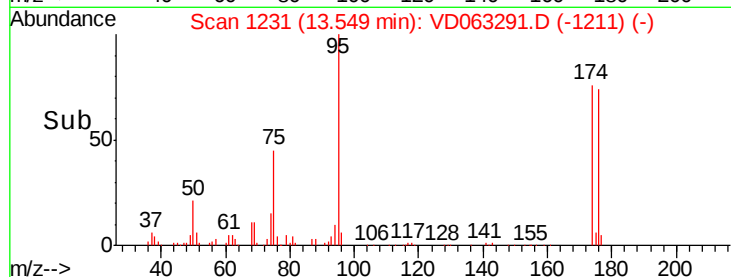
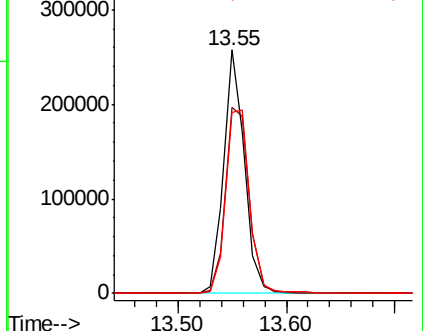
176 74.4 0.0 211.8



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: 12.37 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD063291.D

Acq: 1 Aug 2019 14:40

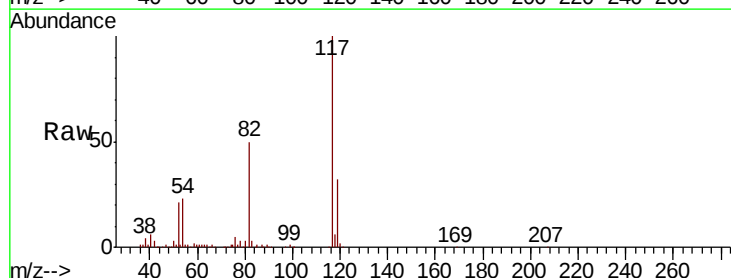
Tgt Ion: 117 Resp: 1203873

Ion Ratio Lower Upper

117 100

82 49.6 40.1 60.1

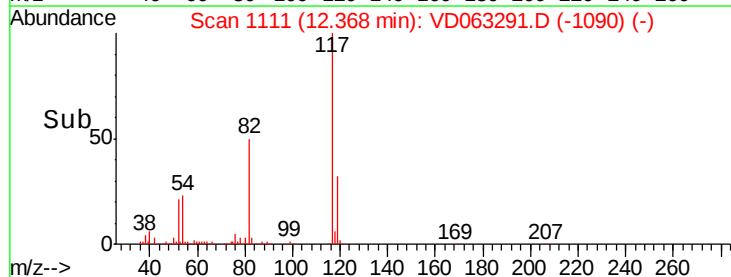
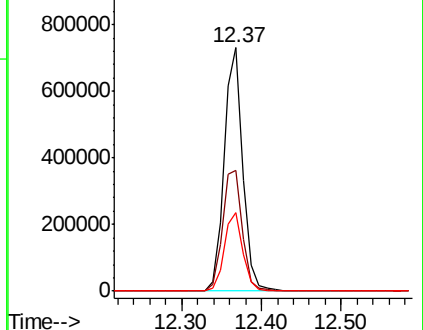
119 32.0 26.5 39.7

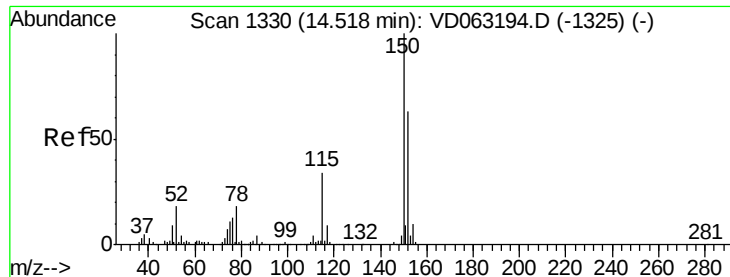


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



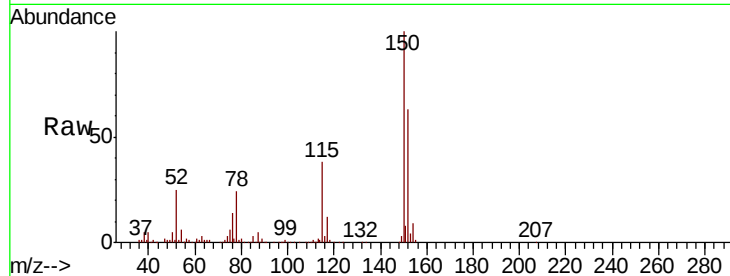


#72

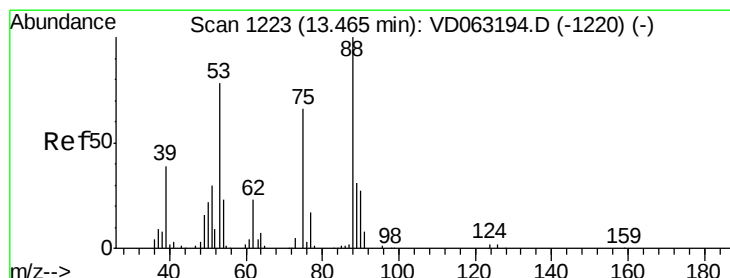
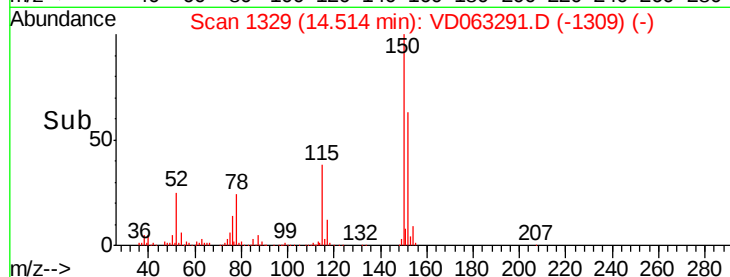
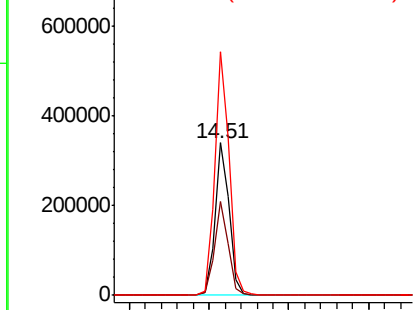
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD063291.D
Acq: 1 Aug 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
T1-1

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.1	27.5	82.4
150	159.7	0.0	320.6



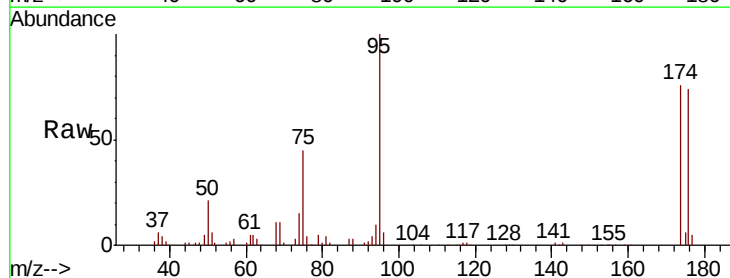
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 106.503 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.08 min
Lab File: VD063291.D
Acq: 1 Aug 2019 14:40

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

