

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063308.D
 Acq On : 2 Aug 2019 11:14
 Operator : VA/AP
 Sample : VD0802SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBL01

Quant Time: Aug 04 03:35:50 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	1107630	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1475472	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1235958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	596976	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	663716	54.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.00%	
35) Dibromofluoromethane	6.91	113	759091	60.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.52%	
50) Toluene-d8	10.39	98	1687579	59.86	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	119.72%	
62) 4-Bromofluorobenzene	13.54	95	678558	52.82	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.64%	

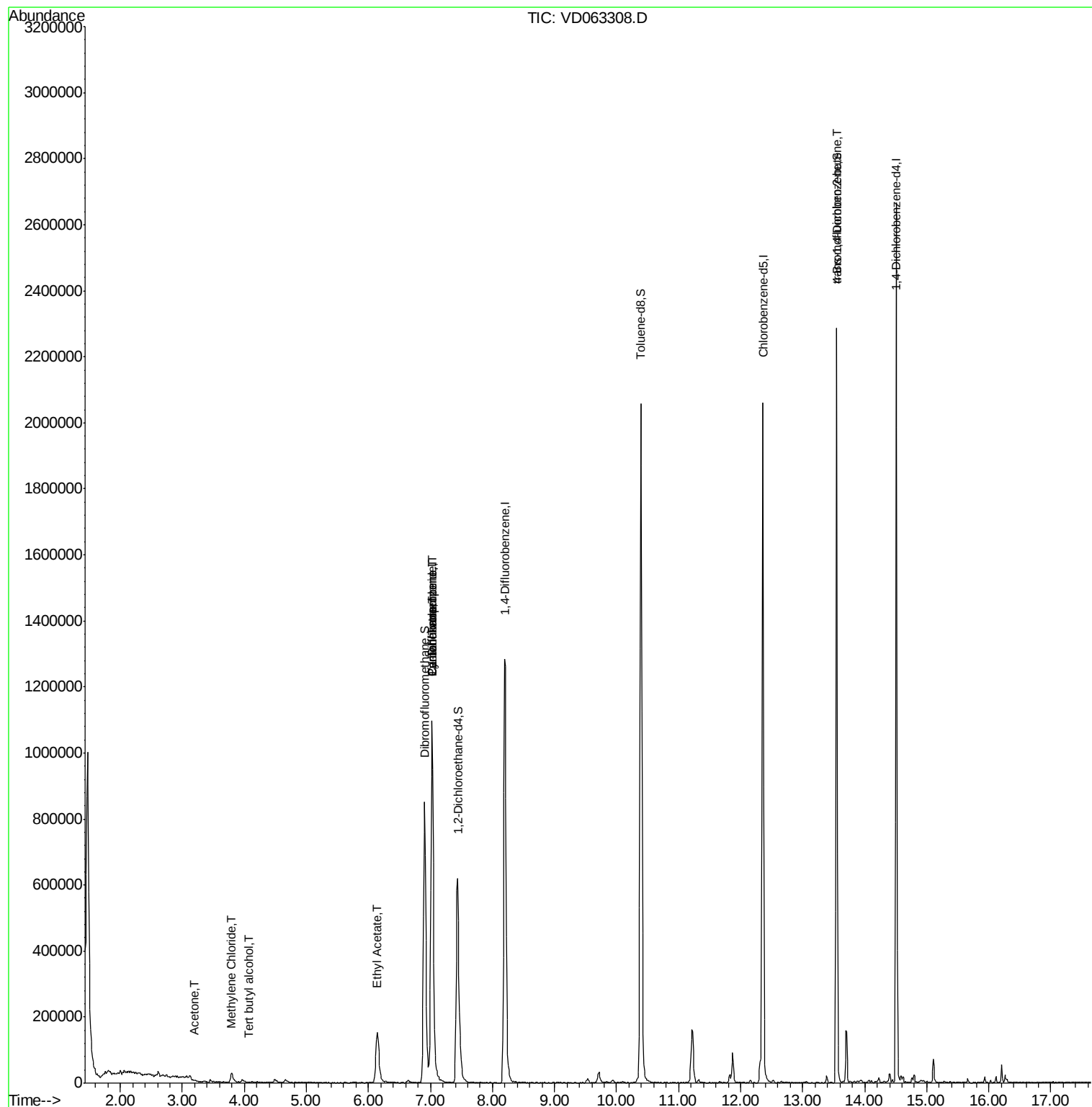
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	1419	2.631	ug/l #	69
16) Acetone	3.21	43	9614	4.015	ug/l #	62
20) Methylene Chloride	3.79	84	15111	1.561	ug/l #	67
31) Cyclohexane	7.02	56	23471	2.144	ug/l #	9
36) 1,1-Dichloropropene	7.02	75	80062	5.946	ug/l #	52
37) Ethyl Acetate	6.14	43	14212	2.349	ug/l #	4
38) Carbon Tetrachloride	7.03	117	103073	5.085	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.54	75	311755	156.575	ug/l #	3

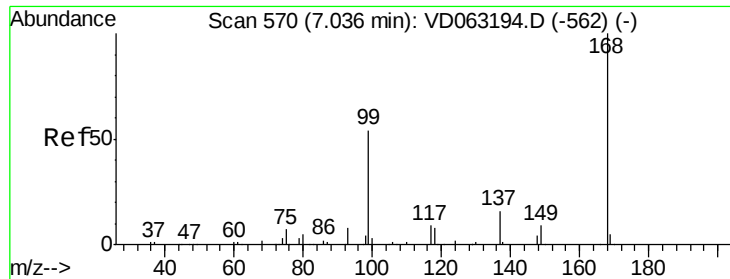
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/5ml/MSVOA_D/SOIL
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MSVOA_D
ClientSampleId :
VD0802SBL01

Quant Time: Aug 04 03:35:50 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: VD063308.D

Acq: 2 Aug 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

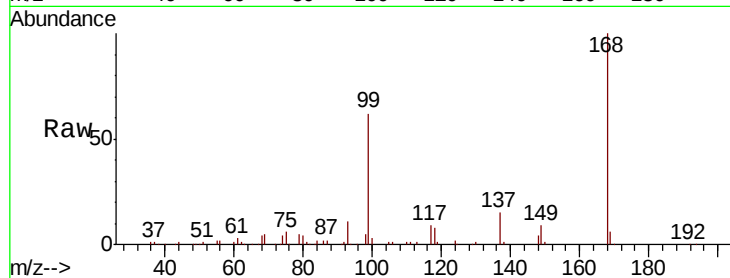
VD0802SBL01

Tgt Ion:168 Resp: 1107630

Ion Ratio Lower Upper

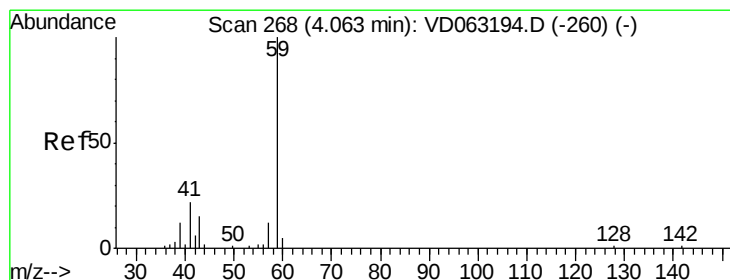
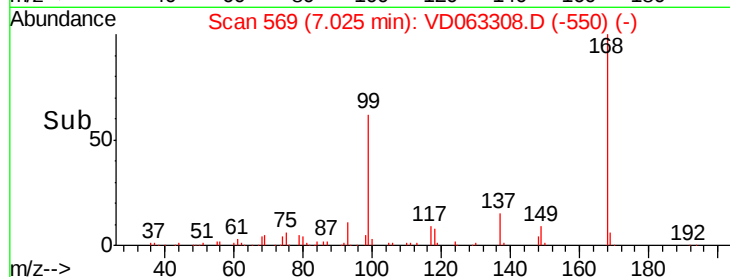
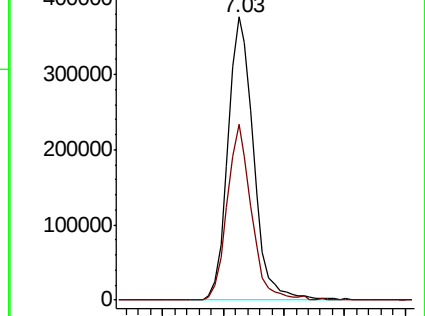
168 100

99 62.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.631 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.00 min

Lab File: VD063308.D

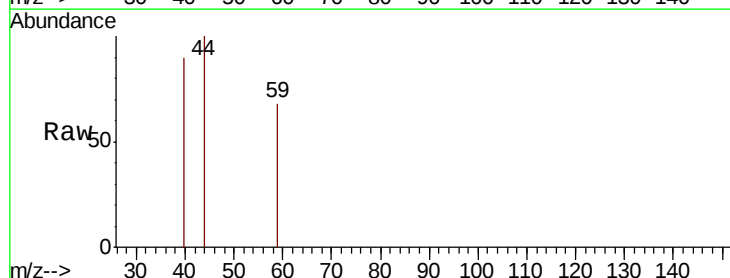
Acq: 2 Aug 2019 11:14

Tgt Ion: 59 Resp: 1419

Ion Ratio Lower Upper

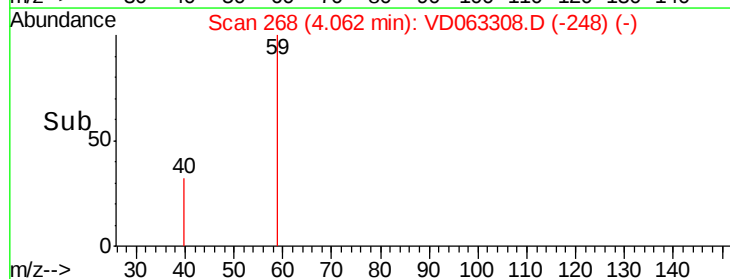
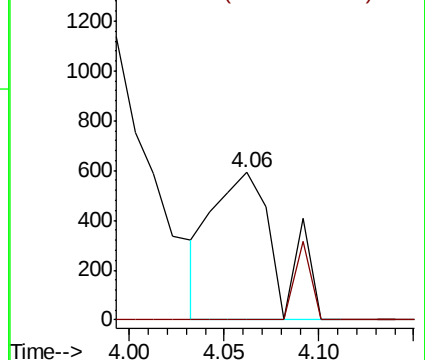
59 100

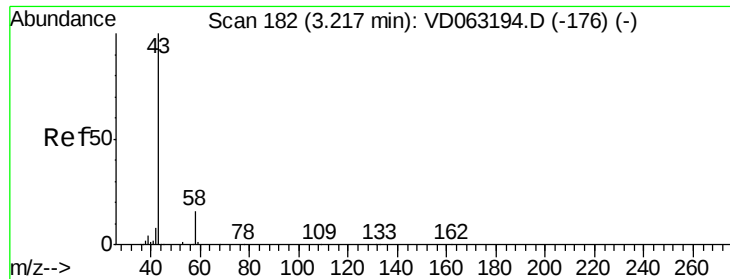
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 4.015 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063308.D

Acq: 2 Aug 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

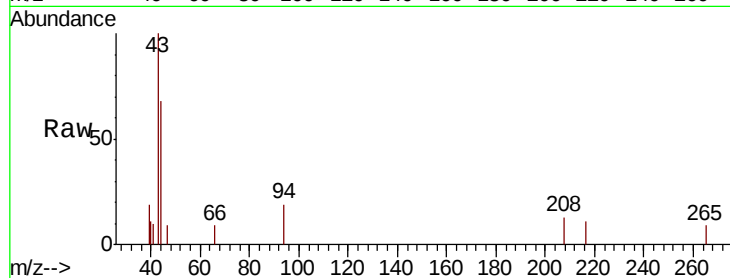
VD0802SBL01

Tgt Ion: 43 Resp: 9614

Ion Ratio Lower Upper

43 100

58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

4000

3000

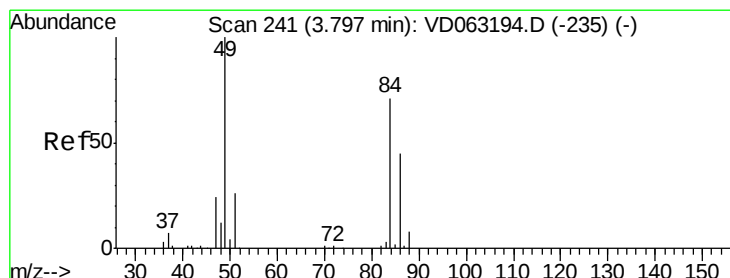
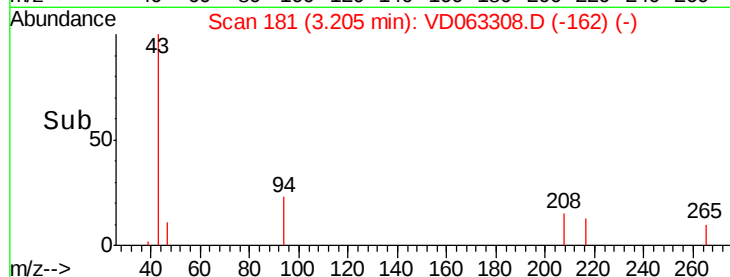
2000

1000

0

Time-->

3.10 3.15 3.20 3.25 3.30



#20

Methylene Chloride

Concen: 1.561 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD063308.D

Acq: 2 Aug 2019 11:14

Tgt Ion: 84 Resp: 15111

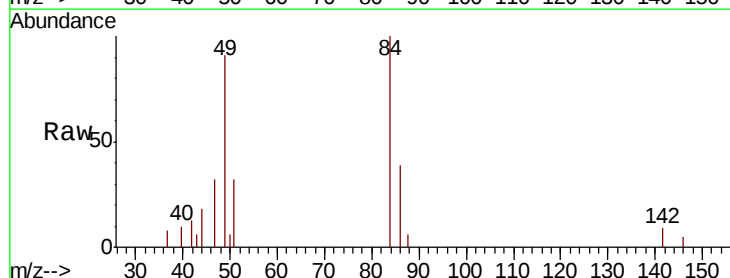
Ion Ratio Lower Upper

84 100

49 91.0 112.5 168.7#

51 31.8 29.6 44.4

86 38.8 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

12000

10000

8000

6000

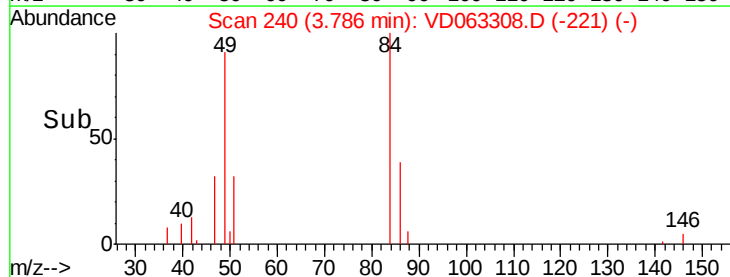
4000

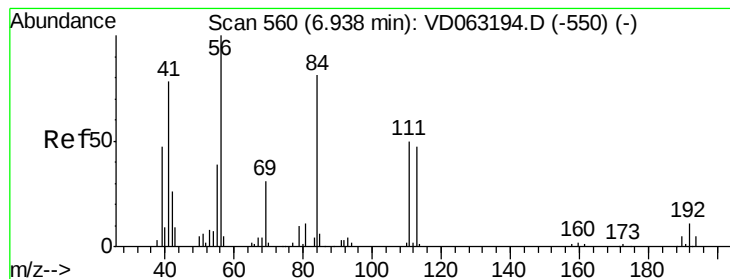
2000

0

Time-->

3.70 3.75 3.80 3.85 3.90





#31

Cyclohexane

Concen: 2.144 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.08 min

Lab File: VD063308.D

Acq: 2 Aug 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBL01

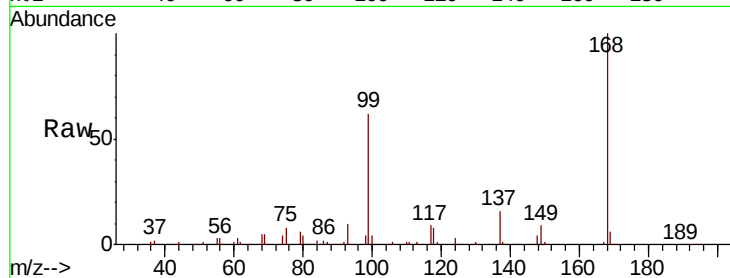
Tgt Ion: 56 Resp: 23471

Ion Ratio Lower Upper

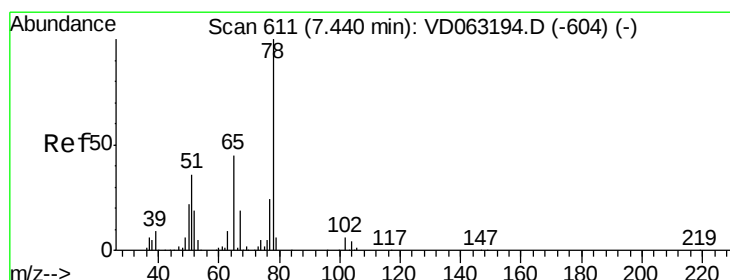
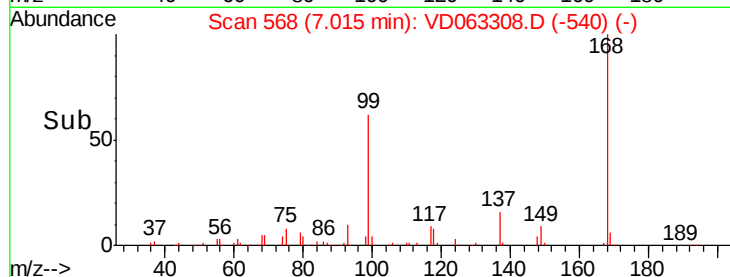
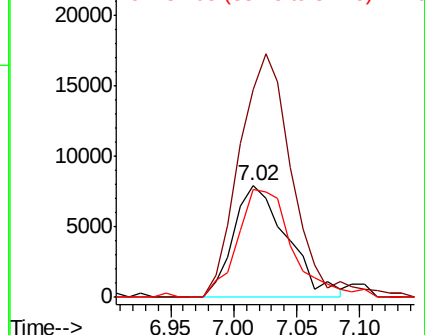
56 100

69 186.5 24.5 36.7#

84 97.0 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: 54.004 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063308.D

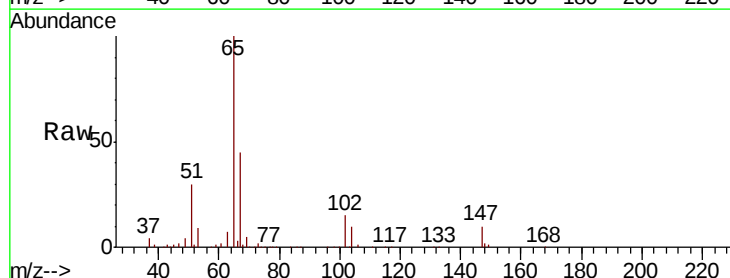
Acq: 2 Aug 2019 11:14

Tgt Ion: 65 Resp: 663716

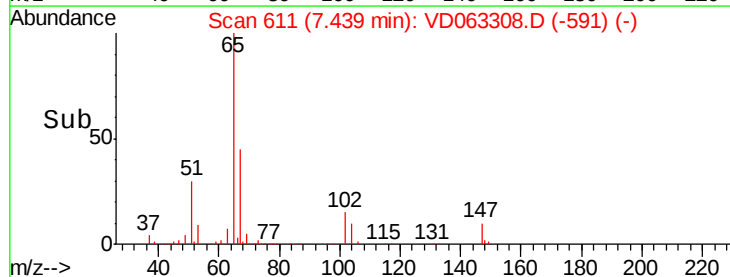
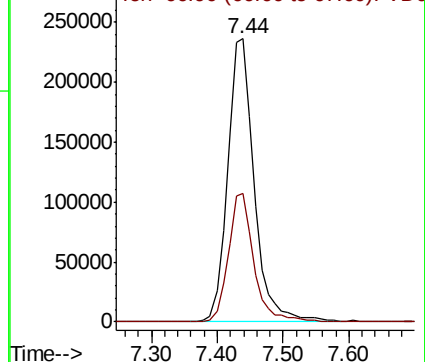
Ion Ratio Lower Upper

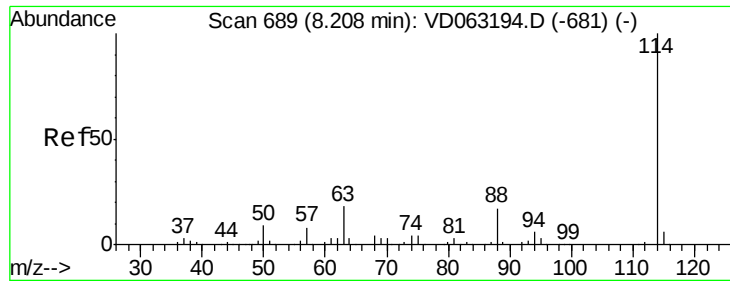
65 100

67 45.2 0.0 85.8



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

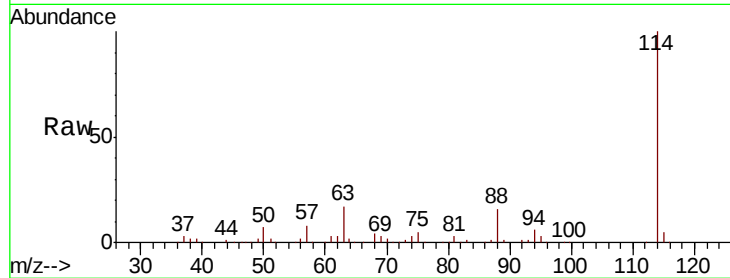




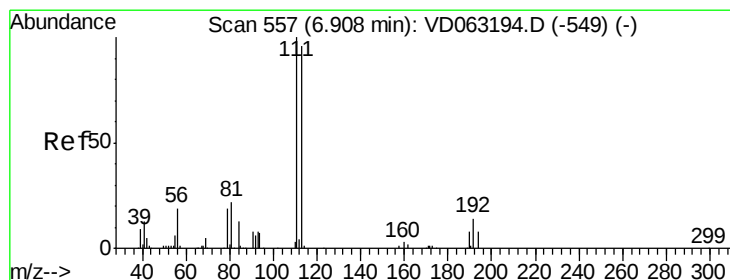
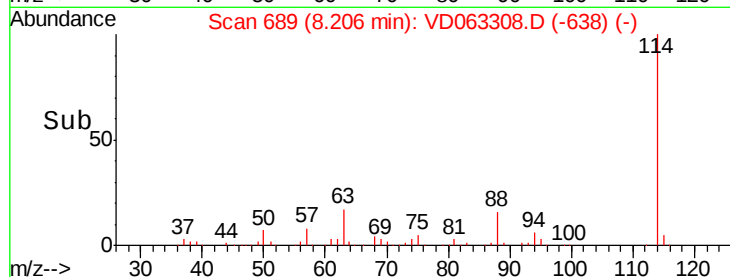
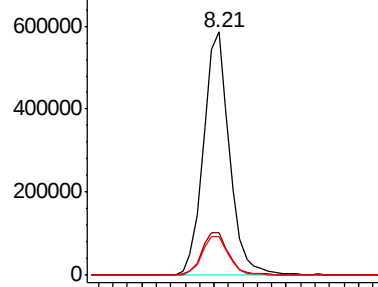
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD063308.D
 Acq: 2 Aug 2019 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBL01

Tgt Ion:114 Resp: 1475472
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.2
 88 16.1 0.0 34.6

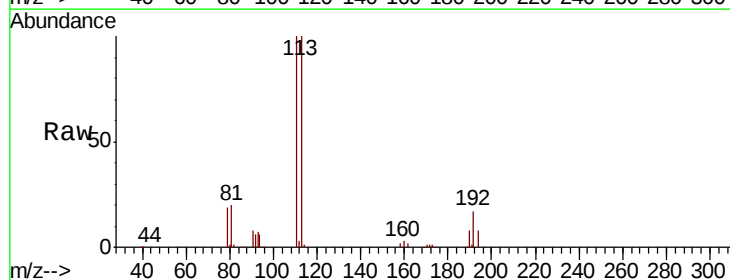


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

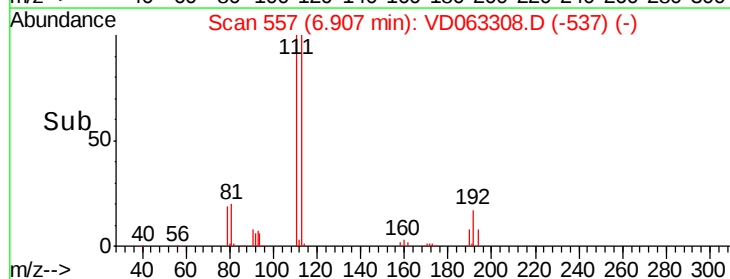
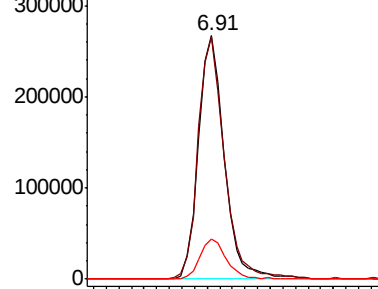


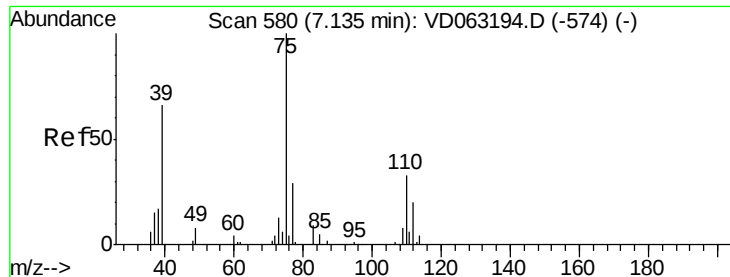
#35
 Dibromofluoromethane
 Concen: 60.258 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VD063308.D
 Acq: 2 Aug 2019 11:14

Tgt Ion:113 Resp: 759091
 Ion Ratio Lower Upper
 113 100
 111 99.6 83.2 124.8
 192 16.7 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

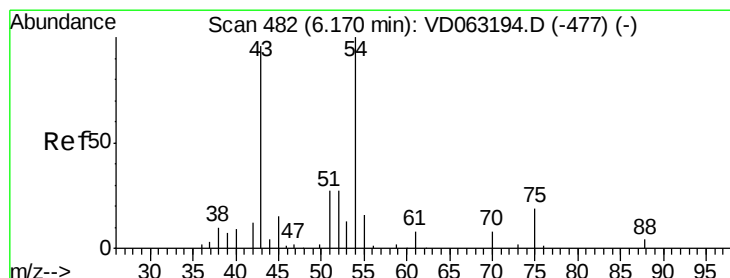
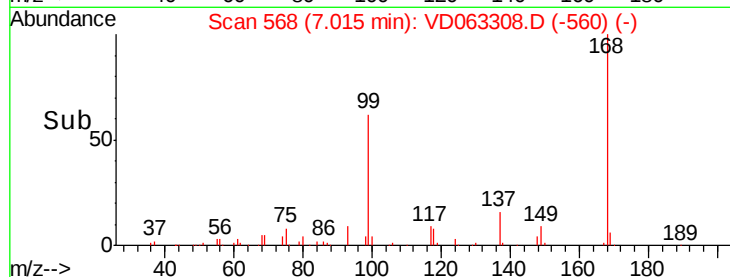
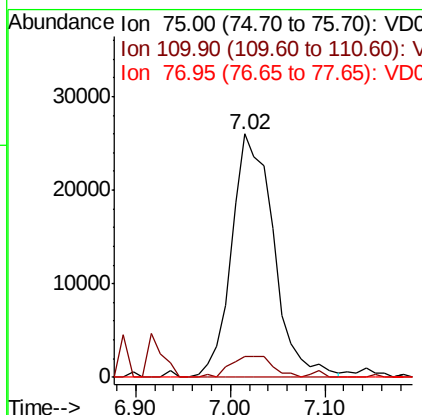
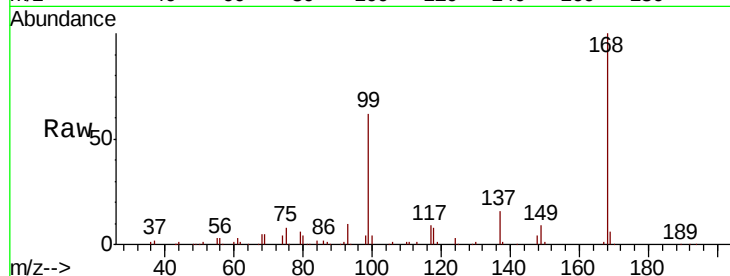




#36
 1,1-Dichloropropene
 Concen: 5.946 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.12 min
 Lab File: VD063308.D
 Acq: 2 Aug 2019 11:14

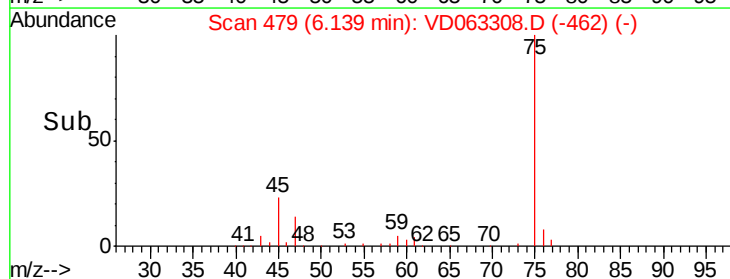
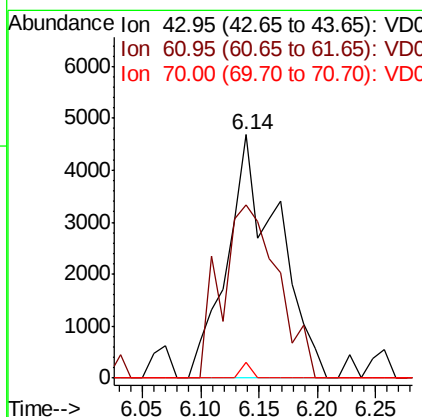
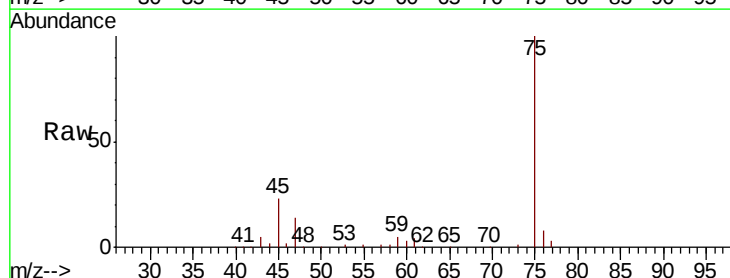
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBL01

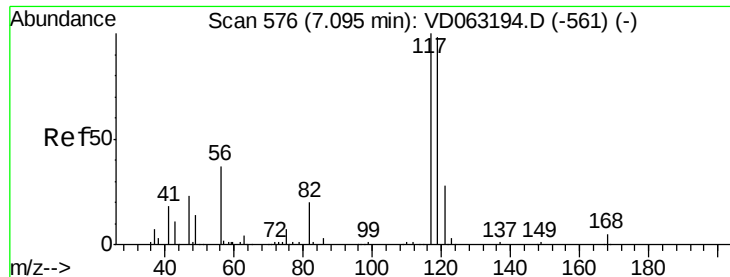
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.1	48.2#
77	0.0	22.7	34.1#



#37
 Ethyl Acetate
 Concen: 2.349 ug/l
 RT: 6.14 min Scan# 479
 Delta R.T. -0.03 min
 Lab File: VD063308.D
 Acq: 2 Aug 2019 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
61	70.9	11.3	16.9#
70	6.7	5.1	7.7





#38

Carbon Tetrachloride

Concen: 5.085 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD063308.D

Acq: 2 Aug 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBL01

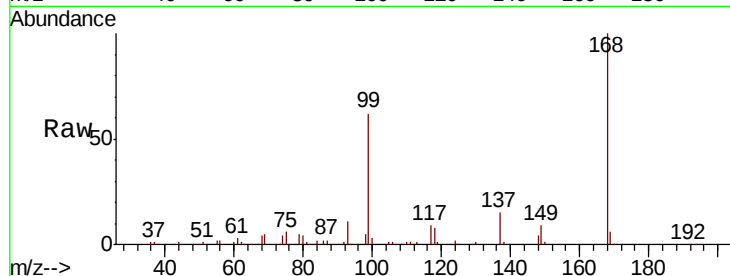
Tgt Ion:117 Resp: 103073

Ion Ratio Lower Upper

117 100

119 5.5 78.2 117.2#

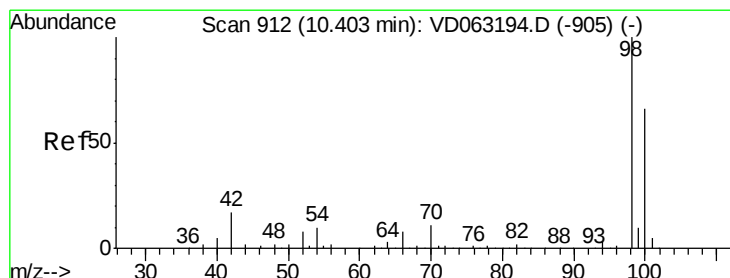
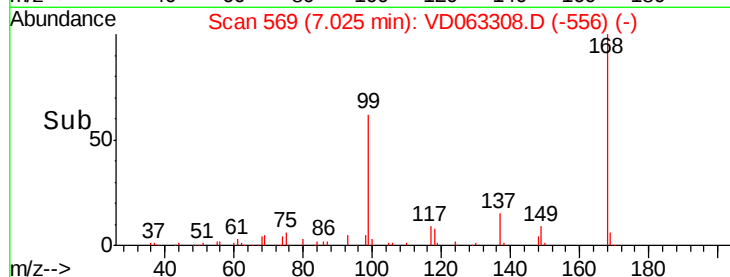
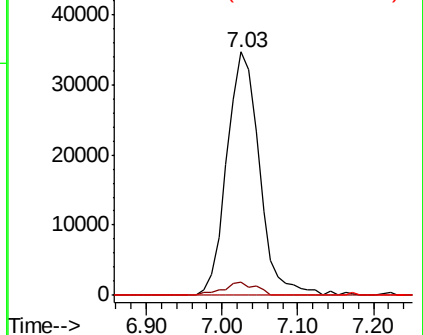
121 0.0 22.1 33.1#



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: 59.858 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD063308.D

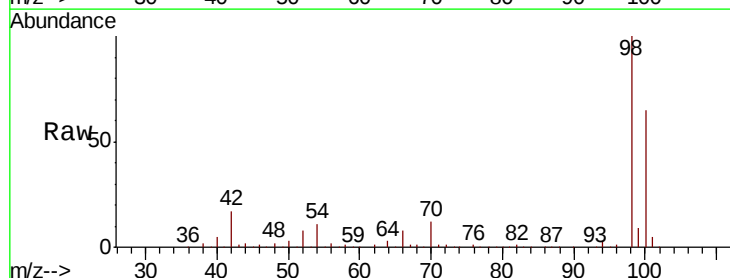
Acq: 2 Aug 2019 11:14

Tgt Ion: 98 Resp: 1687579

Ion Ratio Lower Upper

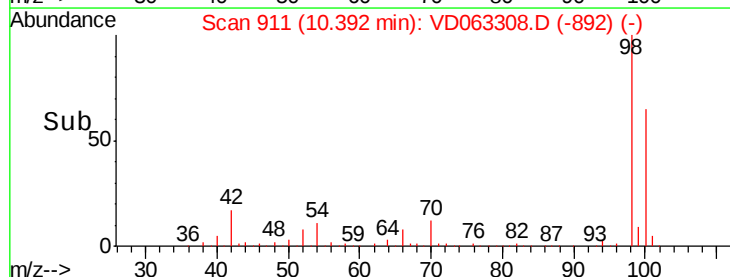
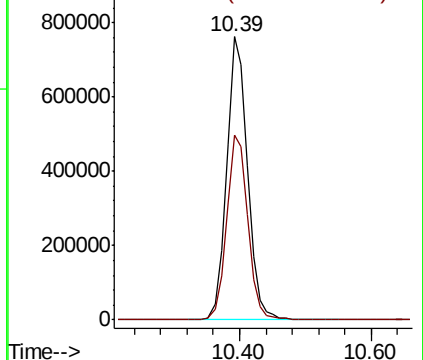
98 100

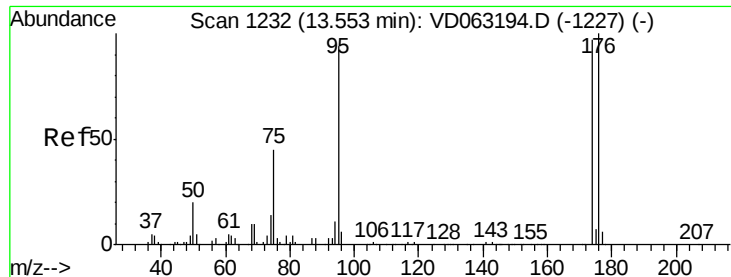
100 65.1 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 52.817 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063308.D

Acq: 2 Aug 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBL01

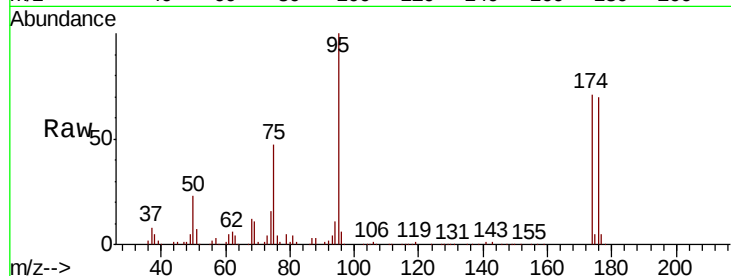
Tgt Ion: 95 Resp: 678558

Ion Ratio Lower Upper

95 100

174 70.7 0.0 205.4

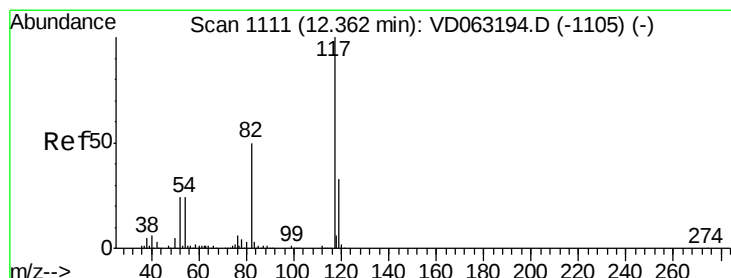
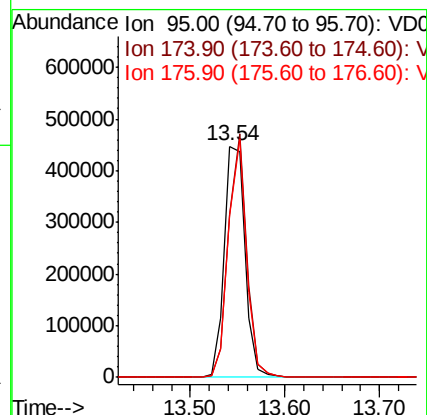
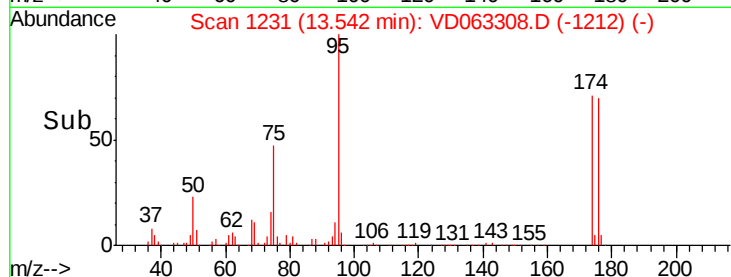
176 70.0 0.0 211.8



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: VD063308.D

Acq: 2 Aug 2019 11:14

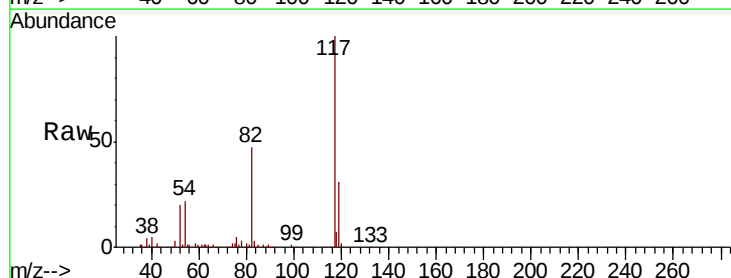
Tgt Ion: 117 Resp: 1235958

Ion Ratio Lower Upper

117 100

82 47.1 40.1 60.1

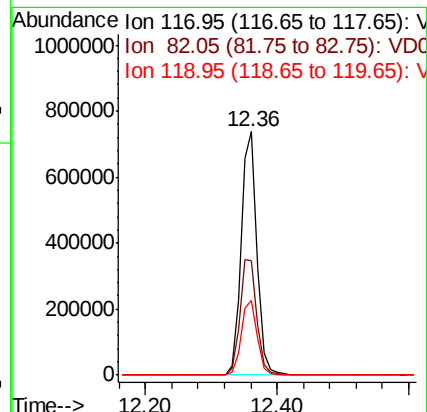
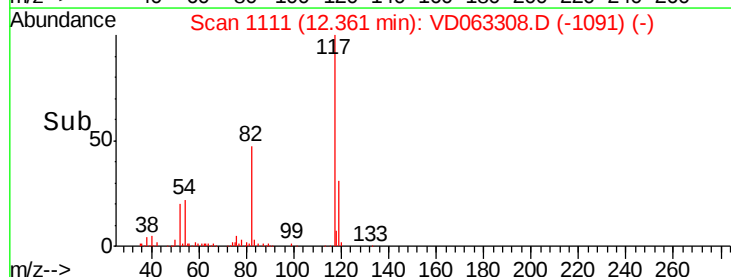
119 30.8 26.5 39.7

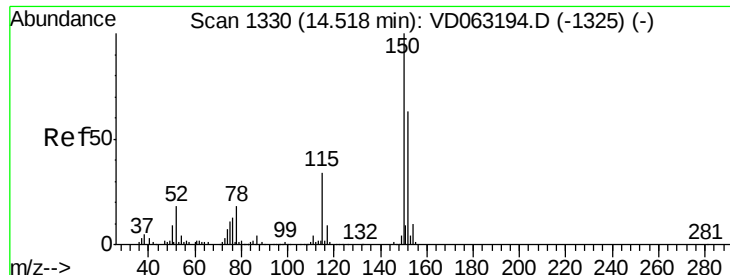


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



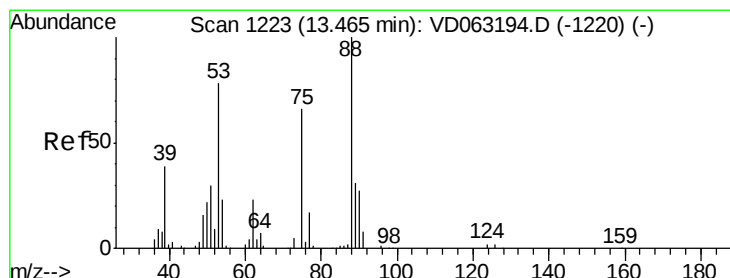
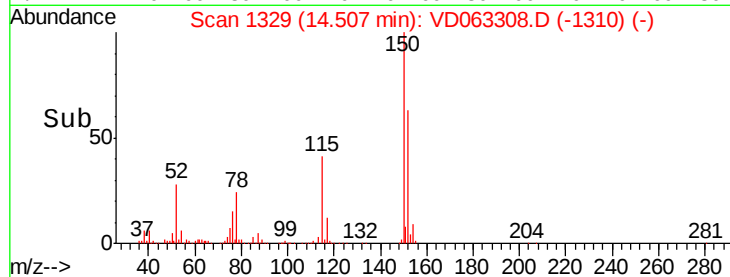
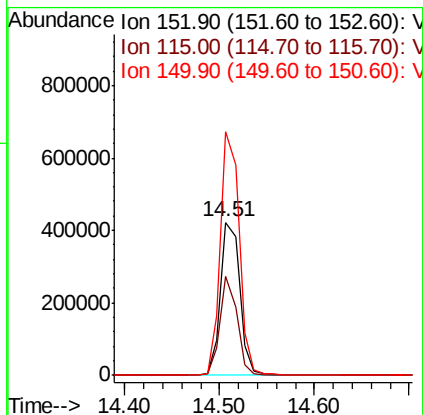
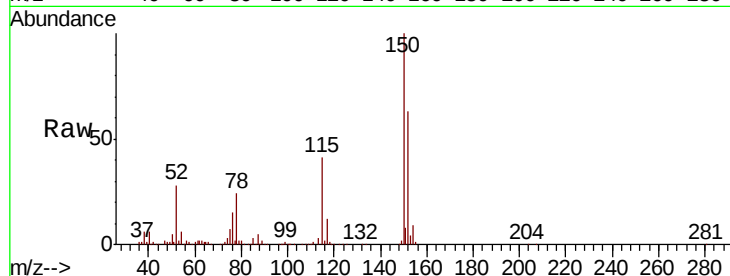


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063308.D
Acq: 2 Aug 2019 11:14

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBL01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	27.5	82.4
150	158.8	0.0	320.6



#81

trans-1,4-Dichloro-2-butene
Concen: 156.575 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.08 min
Lab File: VD063308.D
Acq: 2 Aug 2019 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	94.9	142.3#
89	0.0	37.4	56.0#

