

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063272.D
 Acq On : 31 Jul 2019 12:10
 Operator : VA/AP
 Sample : K3618-09RE
 Misc : 6.39g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 HD-01-073019

Quant Time: Aug 01 04:01:39 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	1034750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1456442	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1147554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	471741	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	447259	38.95	ug/l	0.00
Spiked Amount			Recovery	=	77.90%	
35) Dibromofluoromethane	6.91	113	493900	39.72	ug/l	0.00
Spiked Amount			Recovery	=	79.44%	
50) Toluene-d8	10.40	98	972165	34.93	ug/l	0.00
Spiked Amount			Recovery	=	69.86%	
62) 4-Bromofluorobenzene	13.55	95	394591	31.12	ug/l	0.00
Spiked Amount			Recovery	=	62.24%	

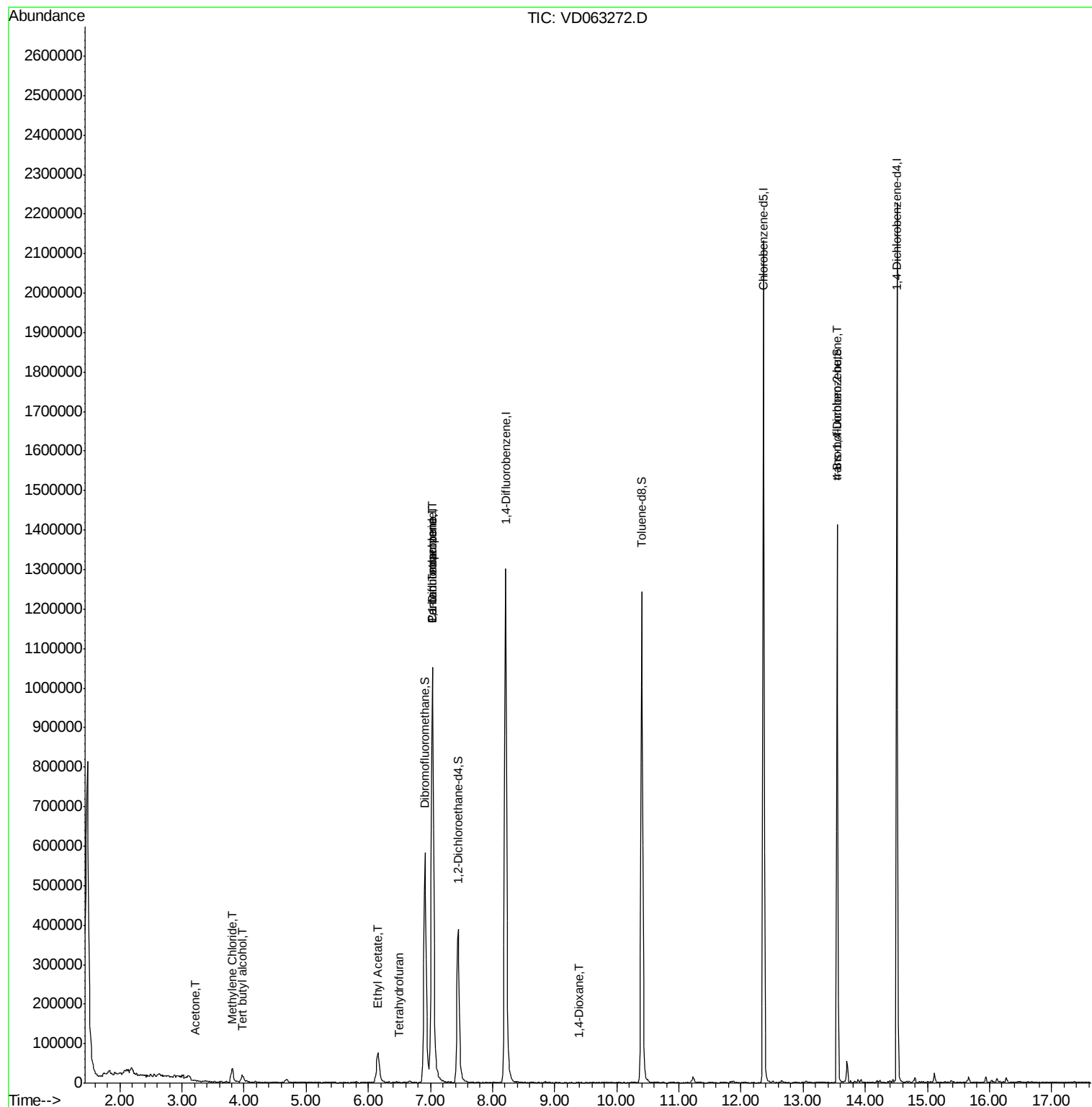
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	16822	33.386	ug/l #	69
16) Acetone	3.21	43	9659	4.318	ug/l #	62
20) Methylene Chloride	3.81	84	19905	2.201	ug/l #	77
29) Tetrahydrofuran	6.48	42	2462	2.316	ug/l #	47
36) 1,1-Dichloropropene	7.03	75	71496	5.379	ug/l #	56
37) Ethyl Acetate	6.16	43	6245	1.046	ug/l #	32
38) Carbon Tetrachloride	7.03	117	104390	5.217	ug/l #	13
49) 1,4-Dioxane	9.40	88	396	5.354	ug/l #	31
81) trans-1,4-Dichloro-2-buten	13.55	75	175392	111.474	ug/l #	3

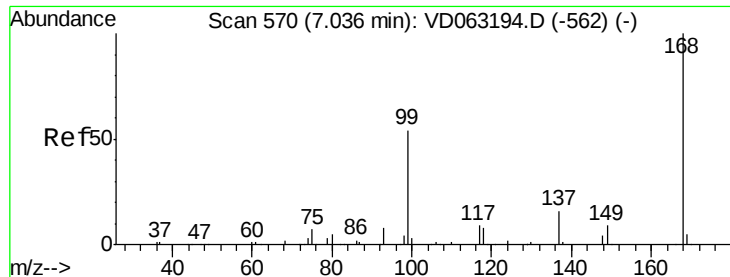
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073119\
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Quant Time: Aug 01 04:01:39 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. -0.00 min

Lab File: VD063272.D

Acq: 31 Jul 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

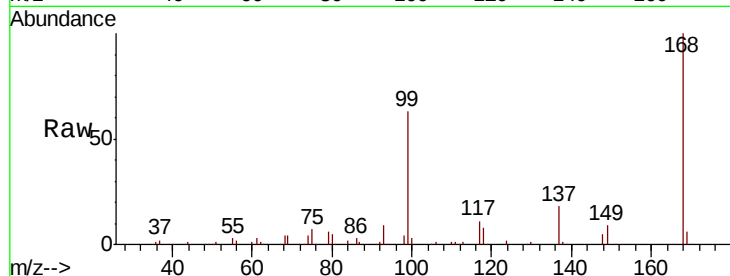
HD-01-073019

Tot Ion:168 Resp: 1034750

Ion Ratio Lower Upper

168 100

99 62.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

400000

300000

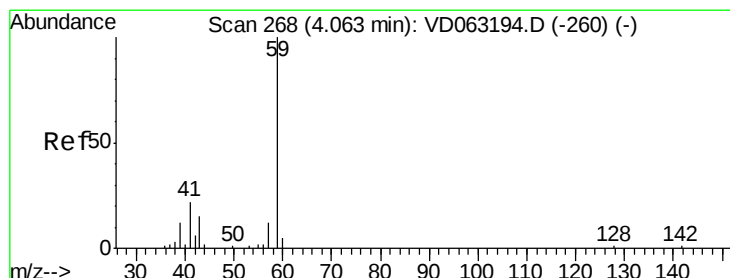
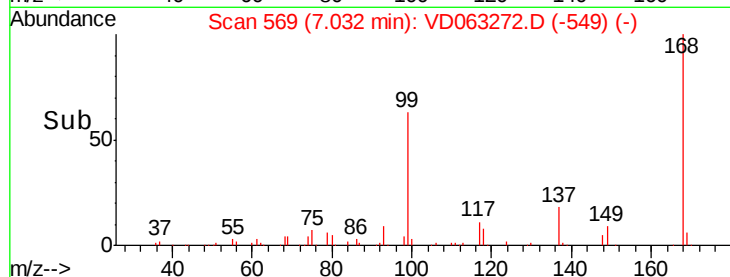
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 33.386 ug/l

RT: 3.98 min Scan# 259

Delta R.T. -0.08 min

Lab File: VD063272.D

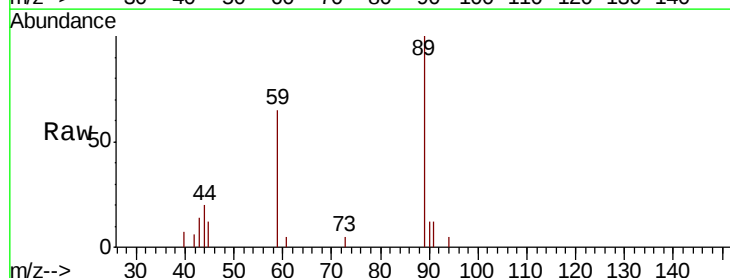
Acq: 31 Jul 2019 12:10

Tgt Ion: 59 Resp: 16822

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

5000

4000

3000

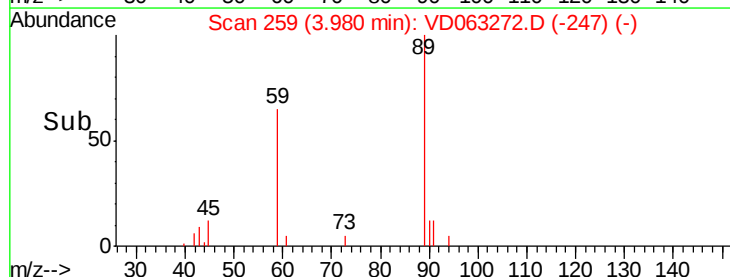
2000

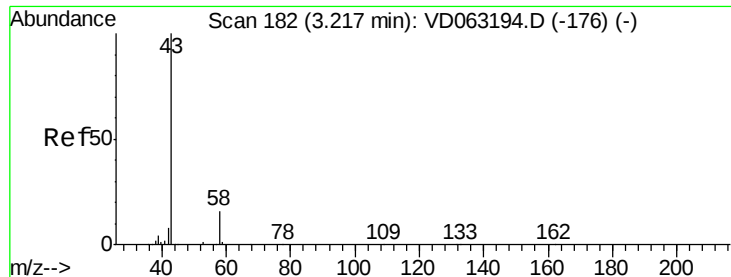
1000

0

3.90 4.00 4.10

Time-->





#16

Acetone

Concen: 4.318 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD063272.D

Acq: 31 Jul 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

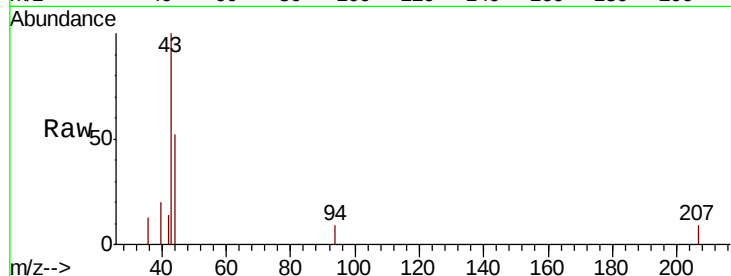
HD-01-073019

Tot Ion: 43 Resp: 9659

Ion Ratio Lower Upper

43 100

58 0.0 13.0 19.4#

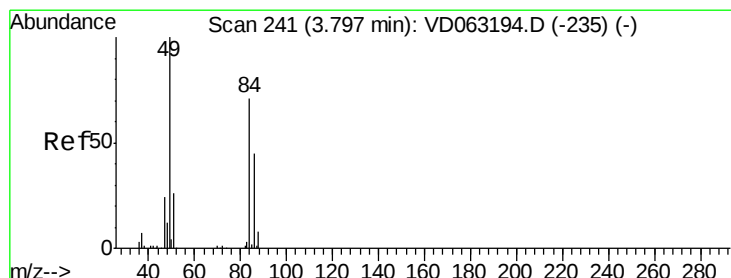
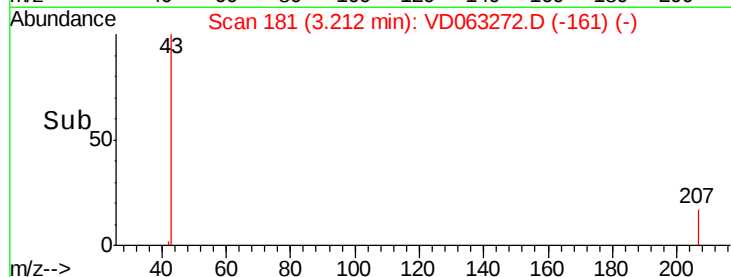


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

Time--> 3.10 3.15 3.20 3.25 3.30



#20

Methylene Chloride

Concen: 2.201 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.02 min

Lab File: VD063272.D

Acq: 31 Jul 2019 12:10

Tgt Ion: 84 Resp: 19905

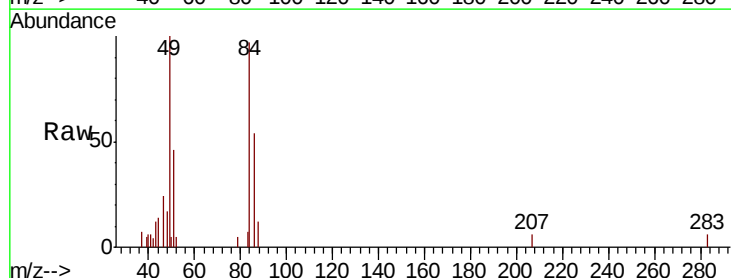
Ion Ratio Lower Upper

84 100

49 103.0 112.5 168.7#

51 47.2 29.6 44.4#

86 55.5 50.4 75.6



Abundance Ion 83.95 (83.65 to 84.65): VDC

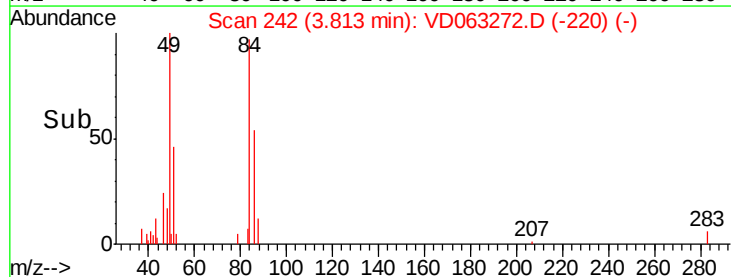
Ion 48.90 (48.60 to 49.60): VDC

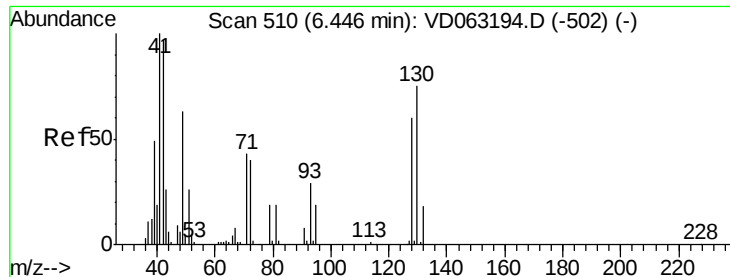
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

3.81

Time--> 3.70 3.75 3.80 3.85 3.90





#29

Tetrahydrofuran

Concen: 2.316 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.04 min

Lab File: VD063272.D

Acq: 31 Jul 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

HD-01-073019

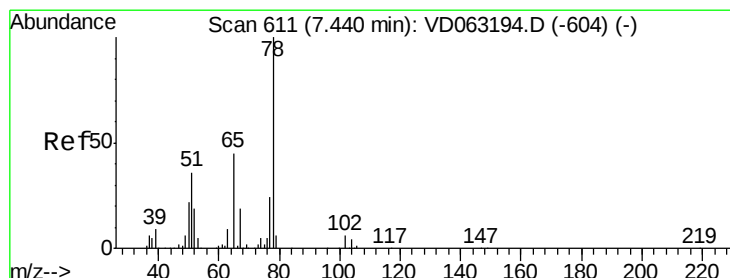
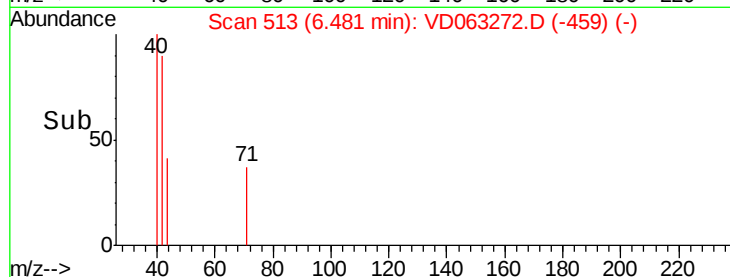
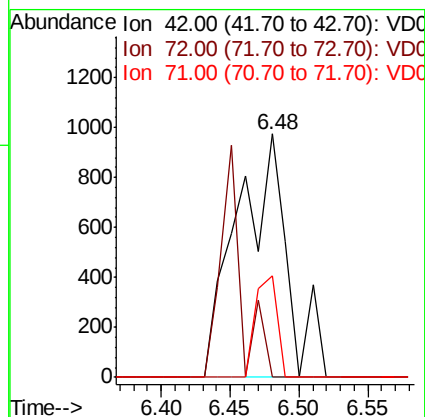
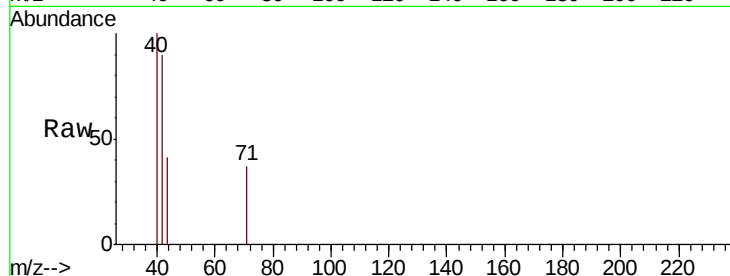
Tot Ion: 42 Resp: 2462

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

71 18.2 35.7 53.5#



#33

1,2-Dichloroethane-d4

Concen: 38.955 ug/l

RT: 7.45 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD063272.D

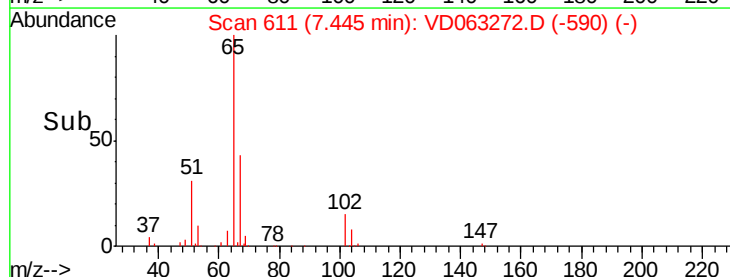
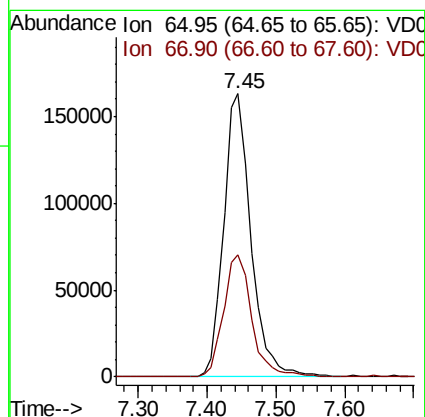
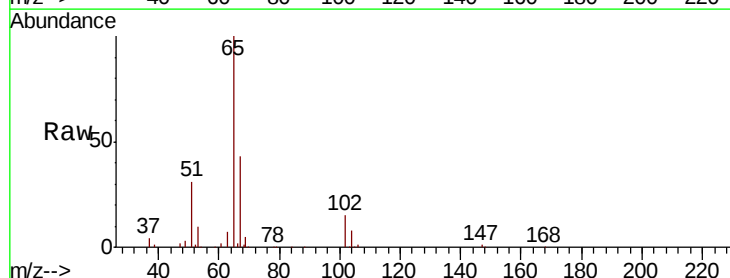
Acq: 31 Jul 2019 12:10

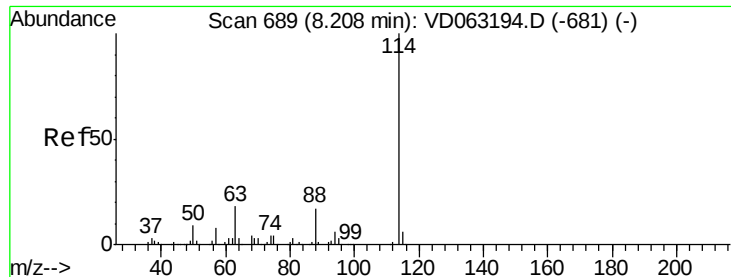
Tgt Ion: 65 Resp: 447259

Ion Ratio Lower Upper

65 100

67 43.2 0.0 85.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD063272.D

Acq: 31 Jul 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

HD-01-073019

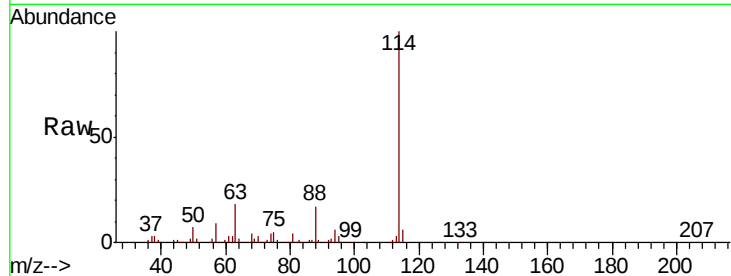
Tot Ion:114 Resp: 1456442

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

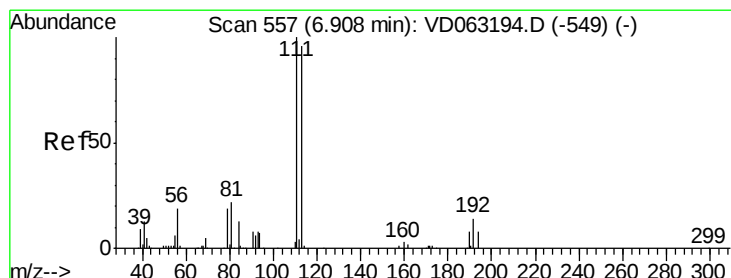
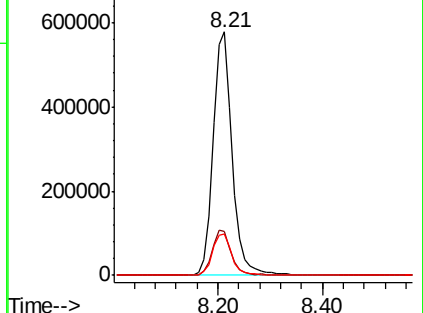
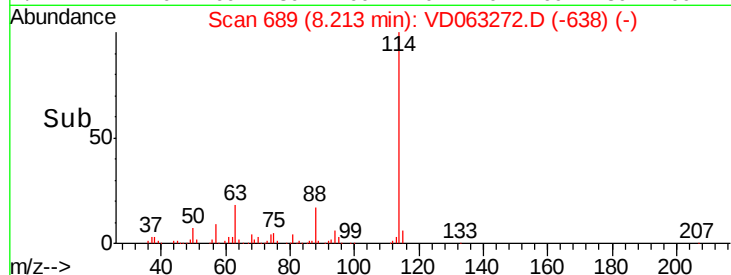
88 17.0 0.0 34.6



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: 39.719 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD063272.D

Acq: 31 Jul 2019 12:10

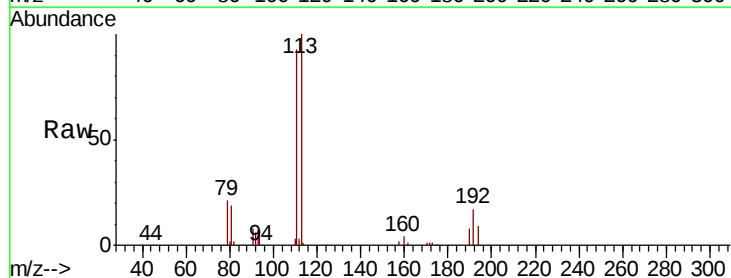
Tgt Ion:113 Resp: 493900

Ion Ratio Lower Upper

113 100

111 93.4 83.2 124.8

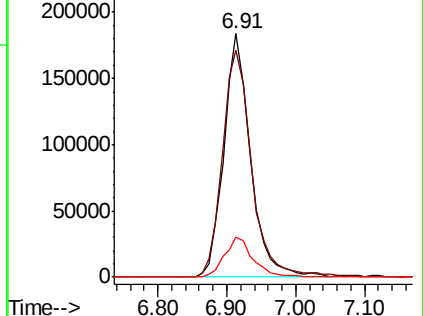
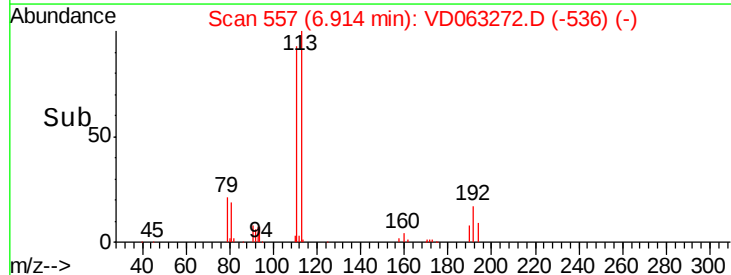
192 16.7 11.8 17.8

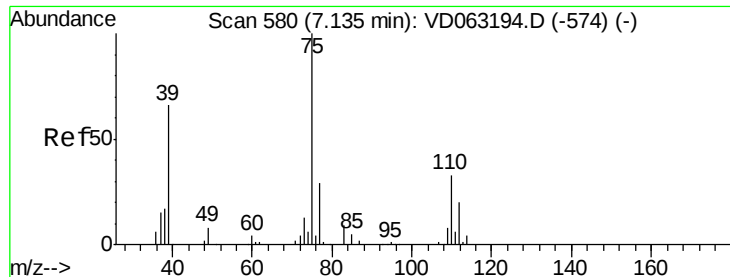


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.379 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063272.D

Acq: 31 Jul 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

HD-01-073019

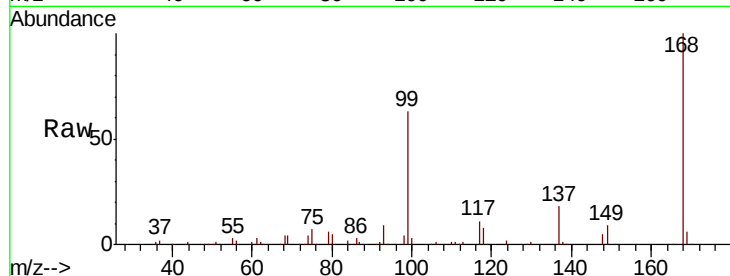
Tot Ion: 75 Resp: 71496

Ion Ratio Lower Upper

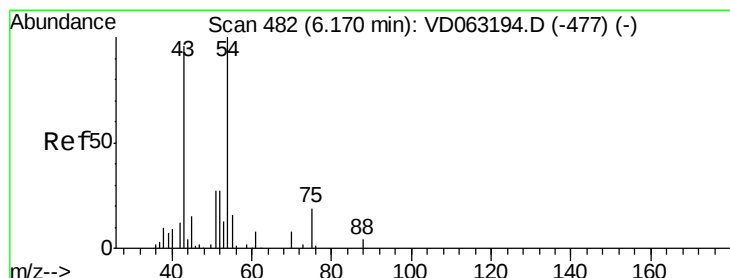
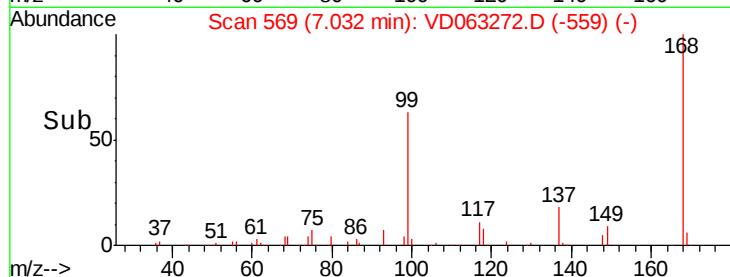
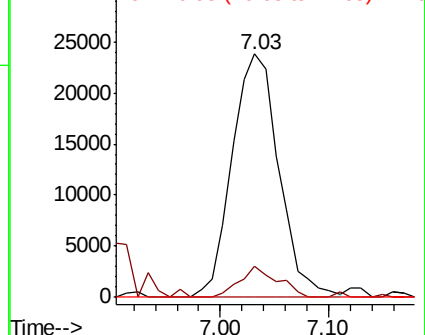
75 100

110 12.6 16.1 48.2#

77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.046 ug/l

RT: 6.16 min Scan# 480

Delta R.T. -0.01 min

Lab File: VD063272.D

Acq: 31 Jul 2019 12:10

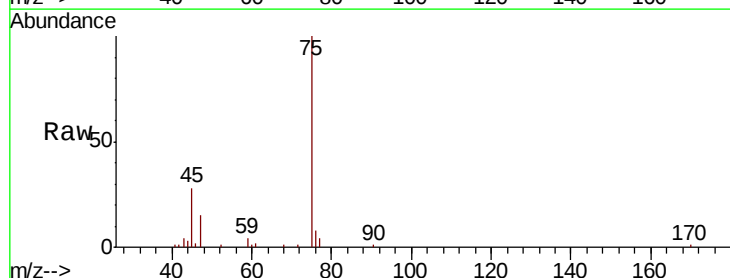
Tgt Ion: 43 Resp: 6245

Ion Ratio Lower Upper

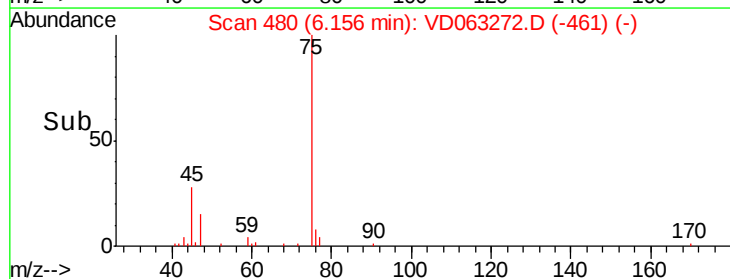
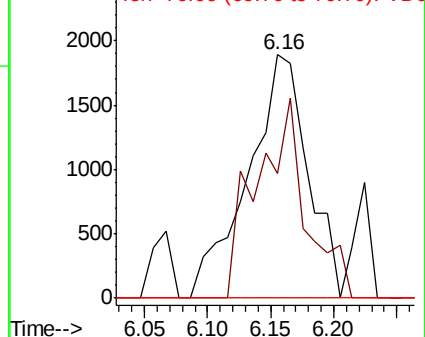
43 100

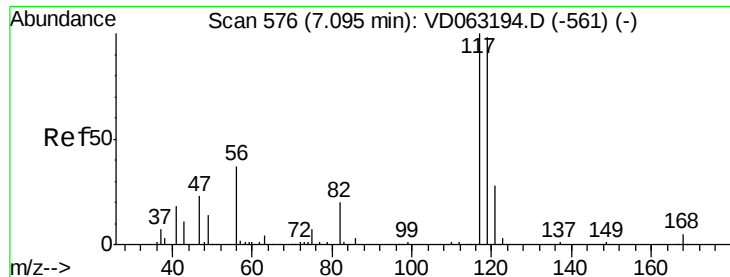
61 50.9 11.3 16.9#

70 0.0 5.1 7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.217 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD063272.D

Acq: 31 Jul 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

HD-01-073019

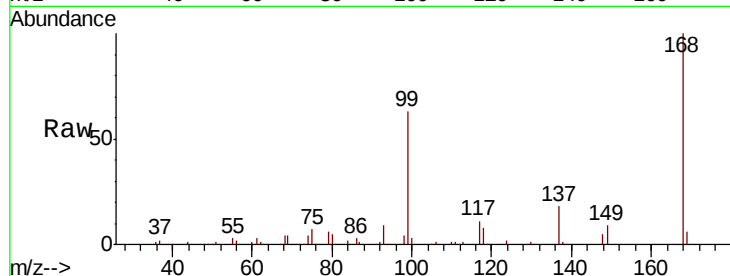
Tot Ion:117 Resp: 104390

Ion Ratio Lower Upper

117 100

119 2.3 78.2 117.2#

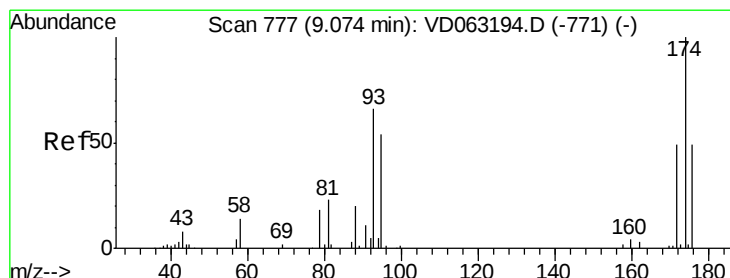
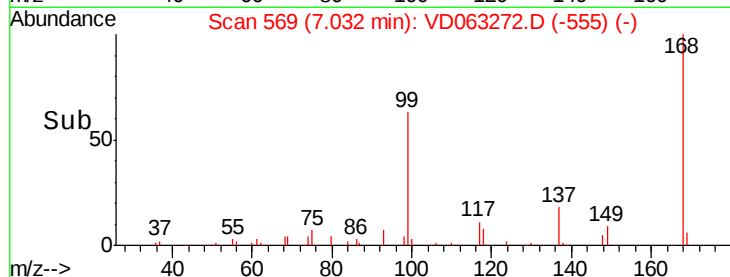
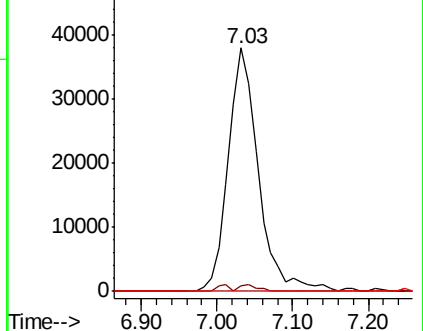
121 0.0 22.1 33.1#



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: 5.354 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.33 min

Lab File: VD063272.D

Acq: 31 Jul 2019 12:10

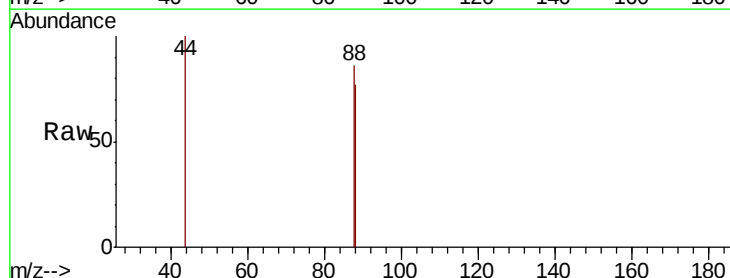
Tgt Ion: 88 Resp: 396

Ion Ratio Lower Upper

88 100

43 61.3 30.7 46.1#

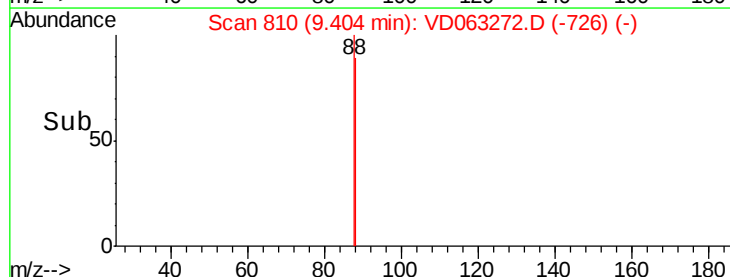
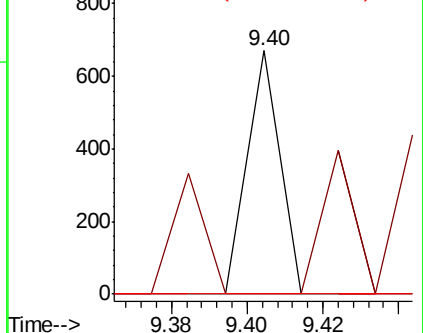
58 0.0 56.5 84.7#

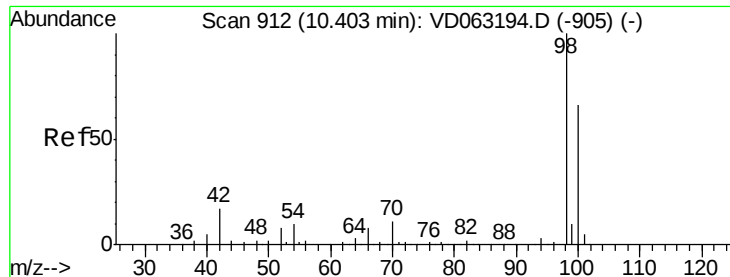


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 34.933 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.00 min

Lab File: VD063272.D

Acq: 31 Jul 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

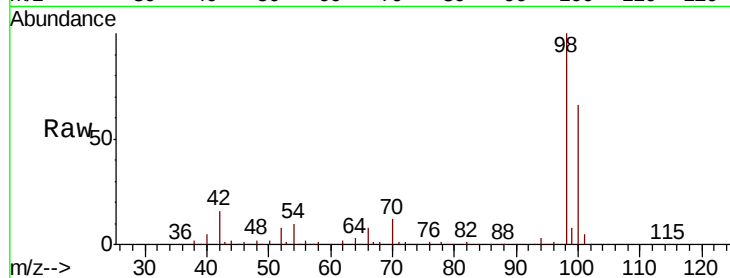
HD-01-073019

Tot Ion: 98 Resp: 972165

Ion Ratio Lower Upper

98 100

100 66.0 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.40

400000

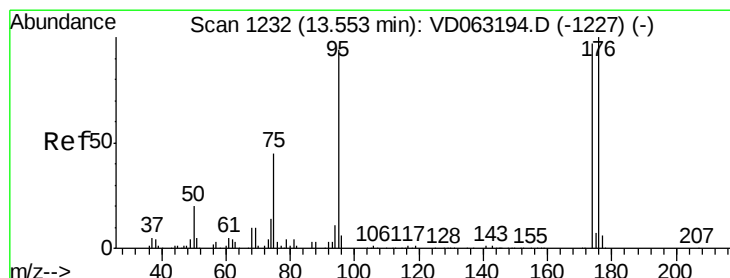
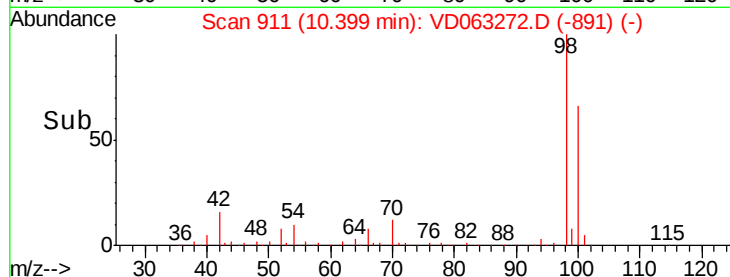
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 31.115 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063272.D

Acq: 31 Jul 2019 12:10

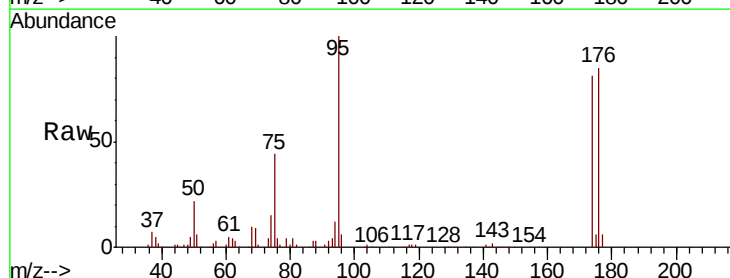
Tgt Ion: 95 Resp: 394591

Ion Ratio Lower Upper

95 100

174 81.2 0.0 205.4

176 85.0 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

13.55

400000

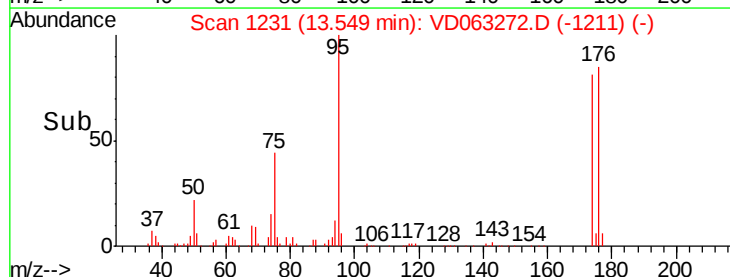
300000

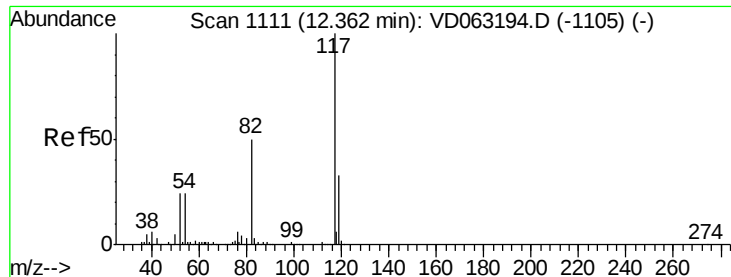
200000

100000

0

Time-->

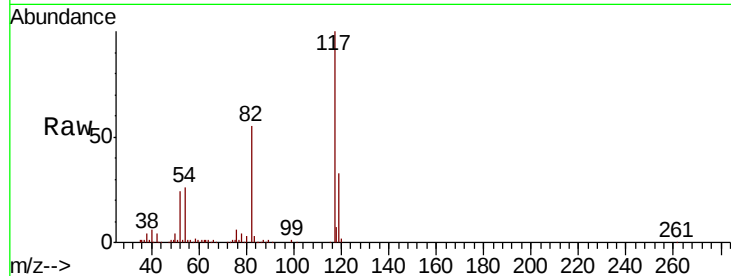




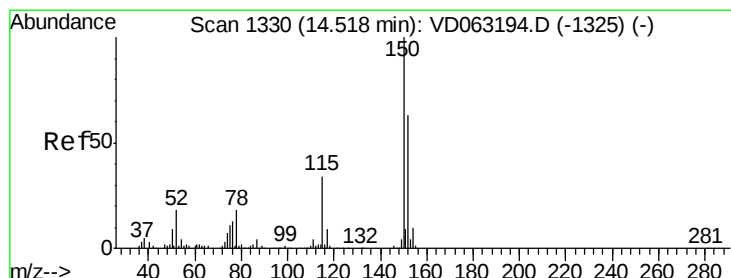
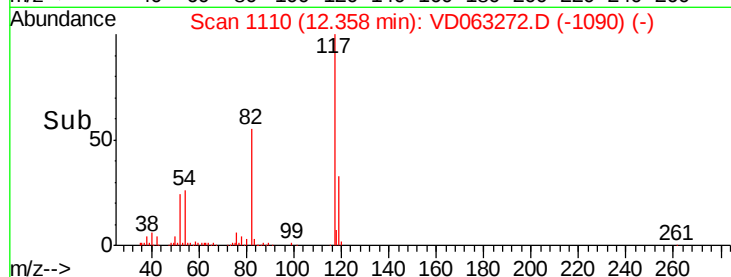
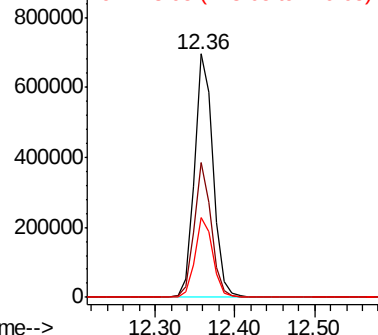
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063272.D
Acq: 31 Jul 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
HD-01-073019

Tot Ion:117 Resp: 1147554
Ion Ratio Lower Upper
117 100
82 55.4 40.1 60.1
119 32.6 26.5 39.7

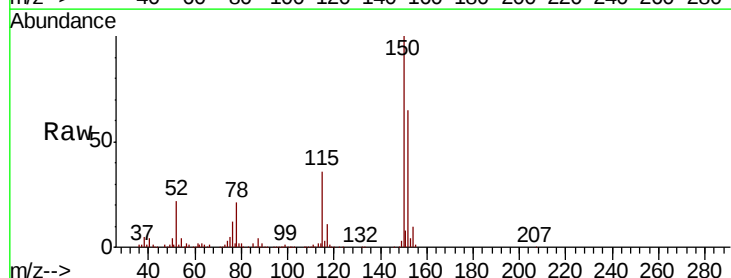


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

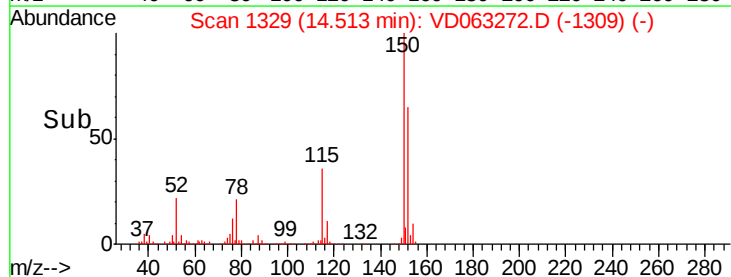
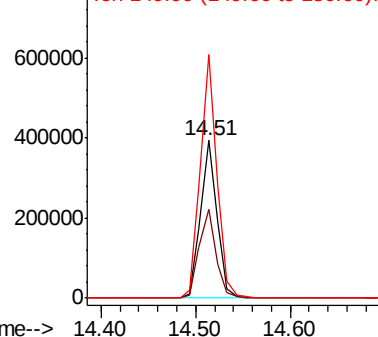


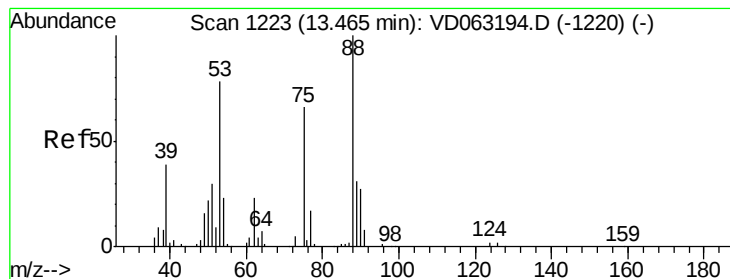
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD063272.D
Acq: 31 Jul 2019 12:10

Tgt Ion:152 Resp: 471741
Ion Ratio Lower Upper
152 100
115 56.4 27.5 82.4
150 154.7 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: 111.474 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063272.D

Acq: 31 Jul 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

HD-01-073019

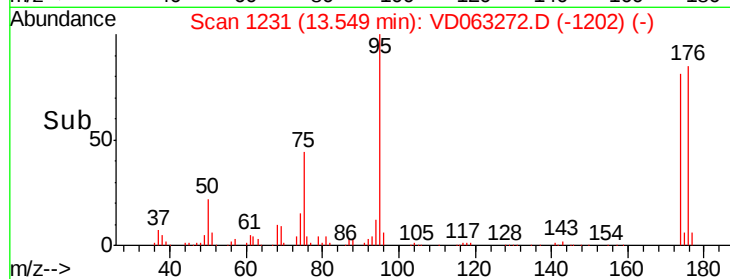
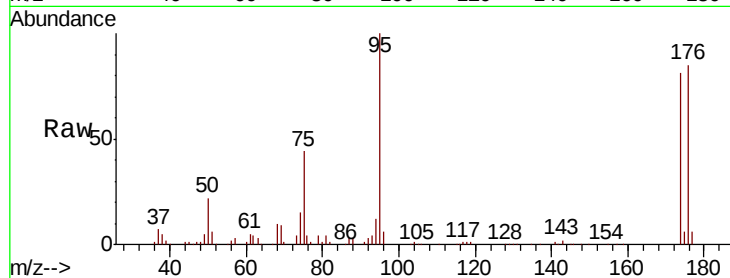
Tot Ion: 75 Resp: 175392

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

