

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081519\
 Data File : VD063611.D
 Acq On : 15 Aug 2019 17:49
 Operator : JC/SY
 Sample : K4356-03
 Misc : 3.26g/5ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

Quant Time: Aug 16 01:06:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	526075	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	614832	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	308817	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	66266	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	287011	51.04	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.08%	
35) Dibromofluoromethane	6.91	113	303826	58.67	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	117.34%	
50) Toluene-d8	10.39	98	440571	38.70	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	77.40%	
62) 4-Bromofluorobenzene	13.55	95	93011	18.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.06%	

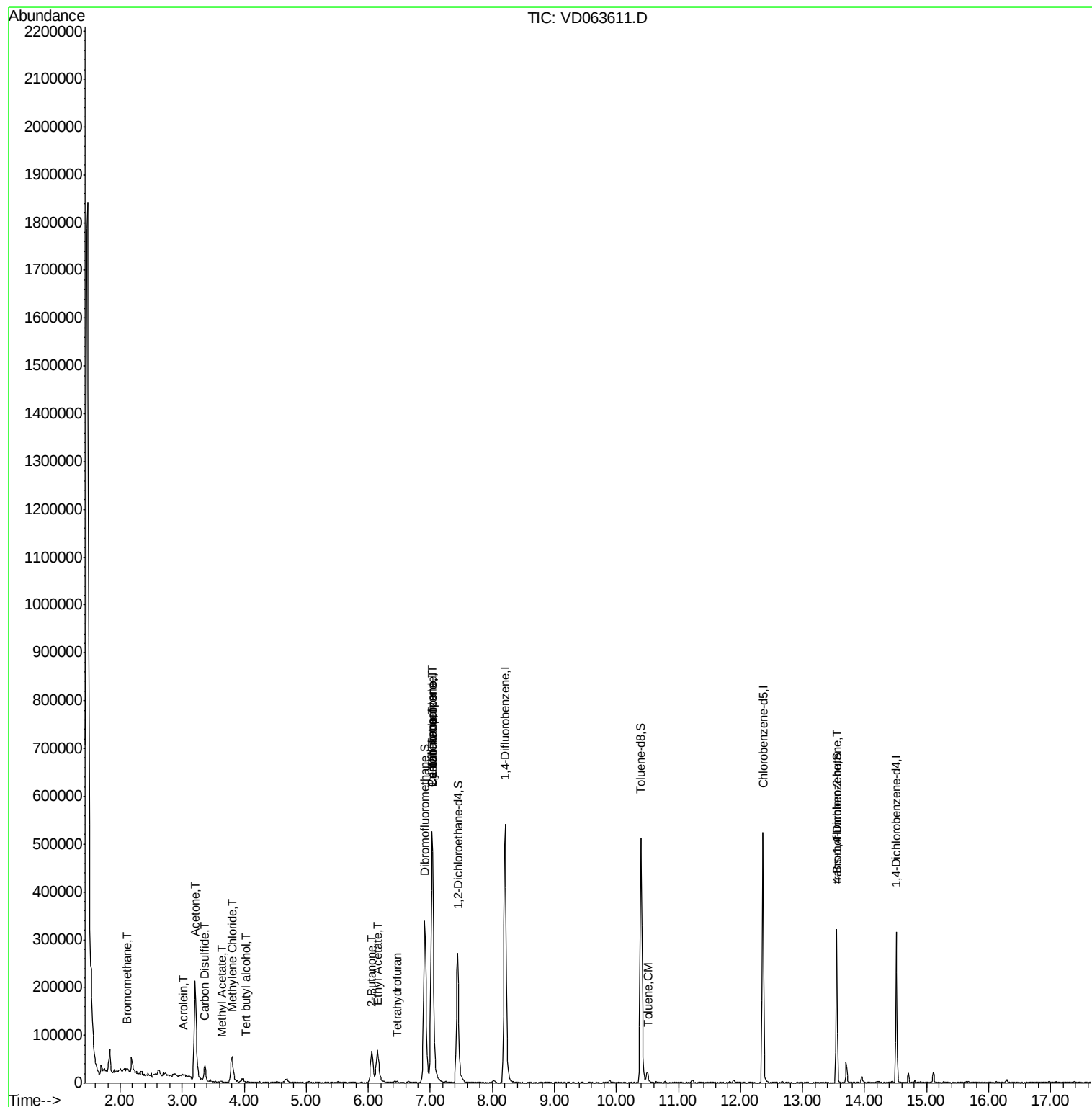
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.11	94	2604	1.118	ug/l #	11
11) Tert butyl alcohol	4.03	59	2011	8.215	ug/l #	71
13) Acrolein	3.02	56	373	1.548	ug/l #	18
16) Acetone	3.21	43	396339	346.719	ug/l #	92
17) Carbon Disulfide	3.36	76	53825	4.012	ug/l #	94
18) Methyl Acetate	3.63	43	5385	2.487	ug/l #	57
20) Methylene Chloride	3.80	84	27175	5.498	ug/l	91
25) 2-Butanone	6.05	43	130398	115.501	ug/l	94
29) Tetrahydrofuran	6.46	42	3056	5.809	ug/l #	50
31) Cyclohexane	7.03	56	11464	2.258	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	40411	7.435	ug/l #	50
37) Ethyl Acetate	6.14	43	11619	5.102	ug/l #	49
38) Carbon Tetrachloride	7.04	117	52822	6.448	ug/l #	16
52) Toluene	10.50	92	10548	1.369	ug/l #	67
81) trans-1,4-Dichloro-2-buten	13.54	75	40593	198.590	ug/l #	1

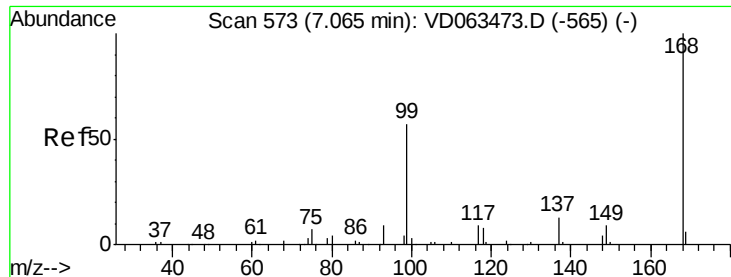
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063611.D

Acq: 15 Aug 2019 17:49

Instrument :

MSVOA_D

ClientSampled :

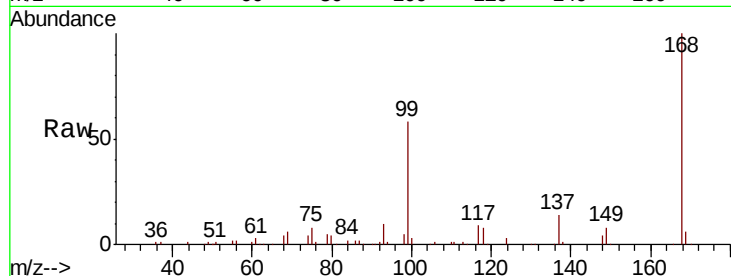
TP-2

Tgt Ion:168 Resp: 526075

Ion Ratio Lower Upper

168 100

99 57.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

200000

150000

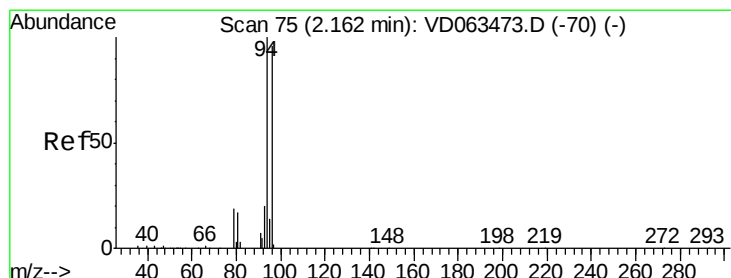
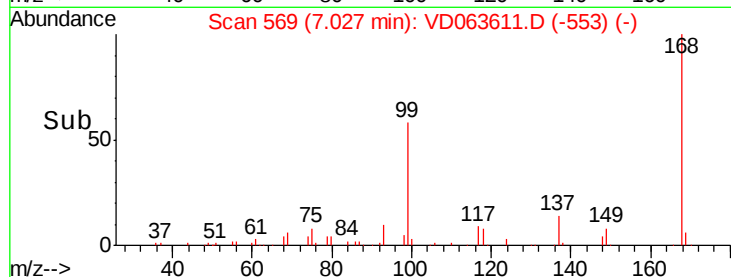
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 1.118 ug/l

RT: 2.11 min Scan# 70

Delta R.T. -0.05 min

Lab File: VD063611.D

Acq: 15 Aug 2019 17:49

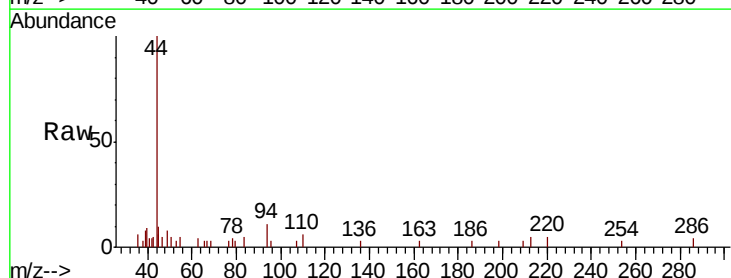
Tgt Ion: 94 Resp: 2604

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

93 0.0 15.8 23.8#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2000

1500

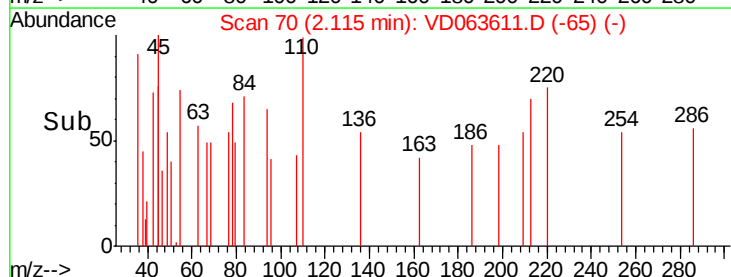
1000

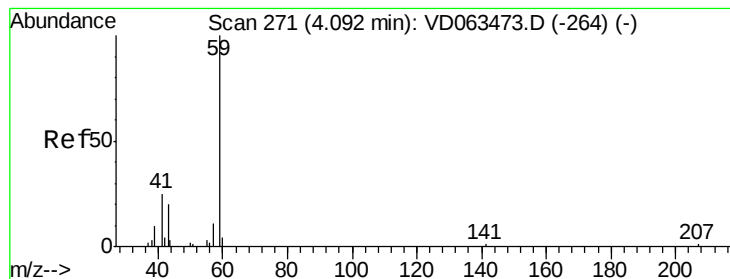
500

0

2.10 2.12 2.14 2.16

Time-->



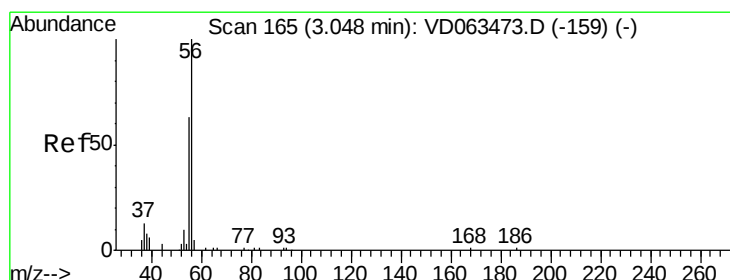
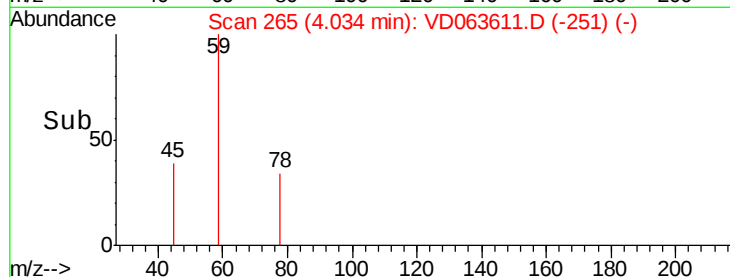
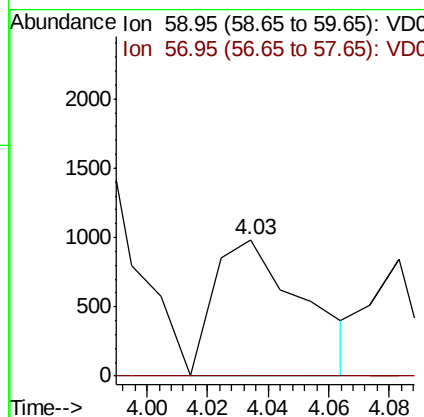
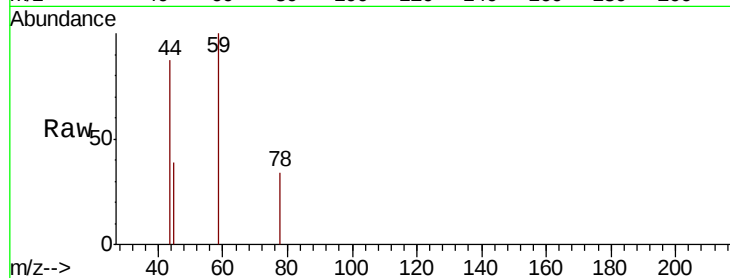


#11

Tert butyl alcohol
 Concen: 8.215 ug/l
 RT: 4.03 min Scan# 265
 Delta R.T. -0.06 min
 Lab File: VD063611.D
 Acq: 15 Aug 2019 17:49

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

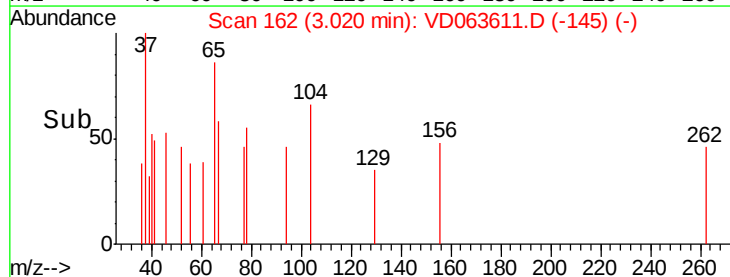
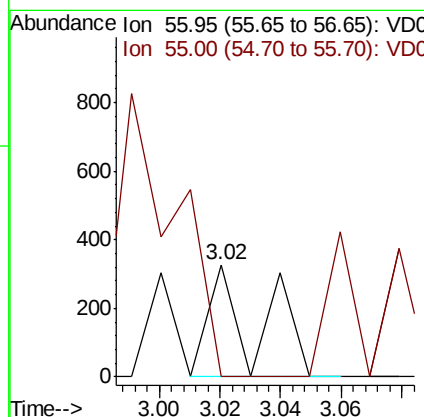
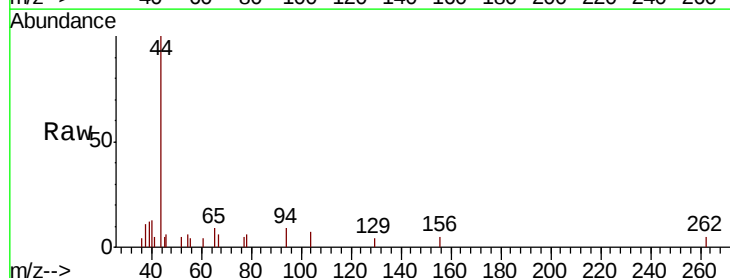
Tgt Ion: 59 Resp: 2011
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

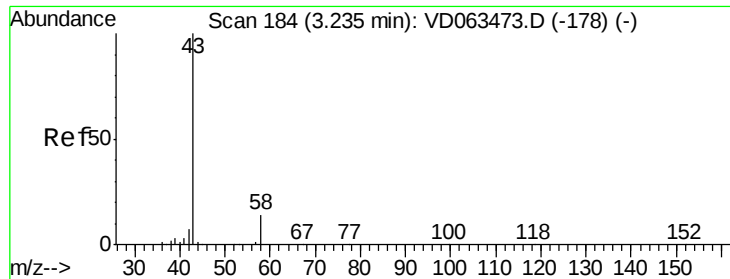


#13

Acrolein
 Concen: 1.548 ug/l
 RT: 3.02 min Scan# 162
 Delta R.T. -0.03 min
 Lab File: VD063611.D
 Acq: 15 Aug 2019 17:49

Tgt Ion: 56 Resp: 373
 Ion Ratio Lower Upper
 56 100
 55 0.0 51.3 76.9#





#16

Acetone

Concen: 346.719 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063611.D

Acq: 15 Aug 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

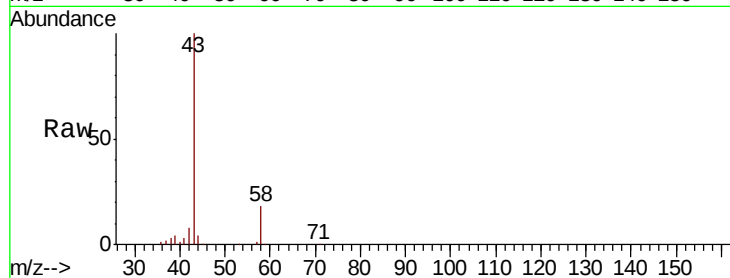
TP-2

Tgt Ion: 43 Resp: 396339

Ion Ratio Lower Upper

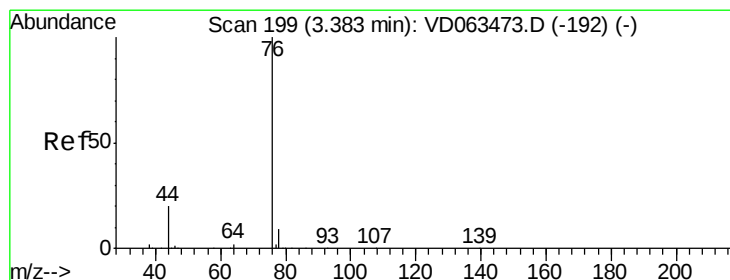
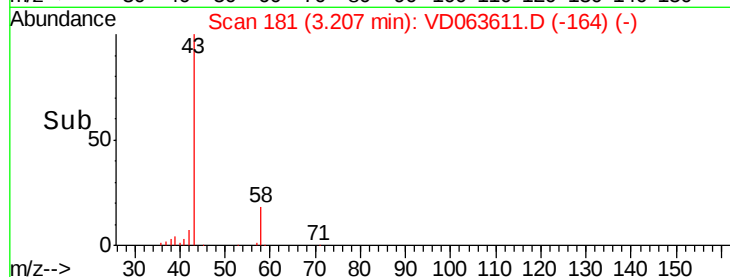
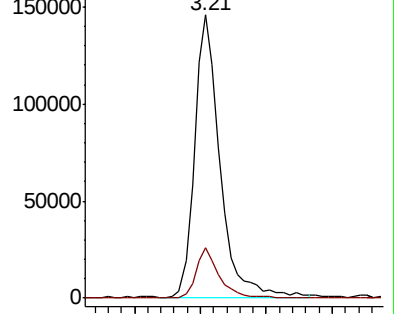
43 100

58 17.7 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 4.012 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.02 min

Lab File: VD063611.D

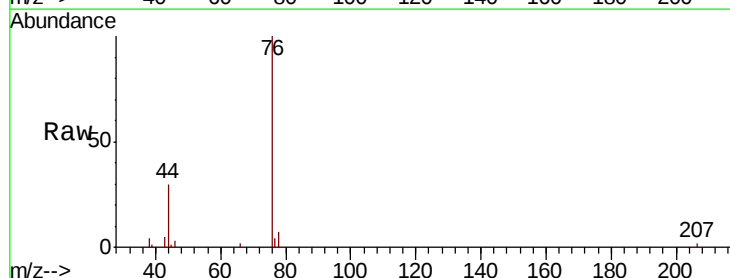
Acq: 15 Aug 2019 17:49

Tgt Ion: 76 Resp: 53825

Ion Ratio Lower Upper

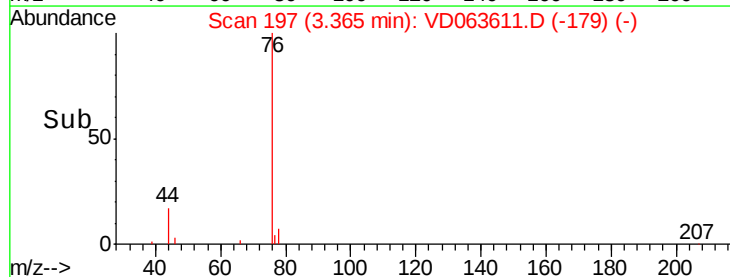
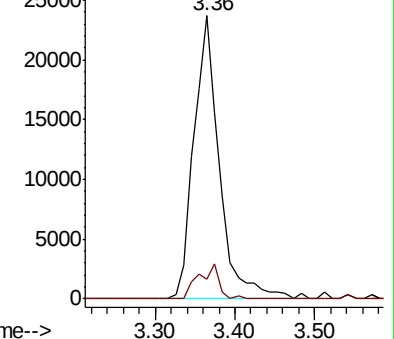
76 100

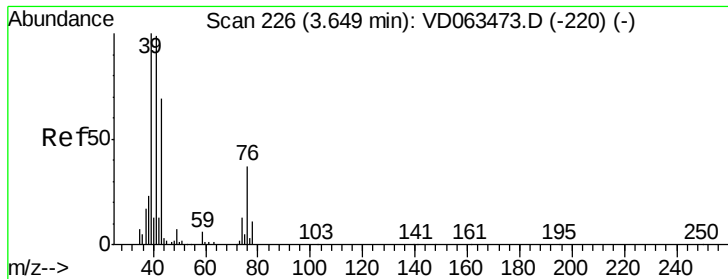
78 7.1 7.4 11.0#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

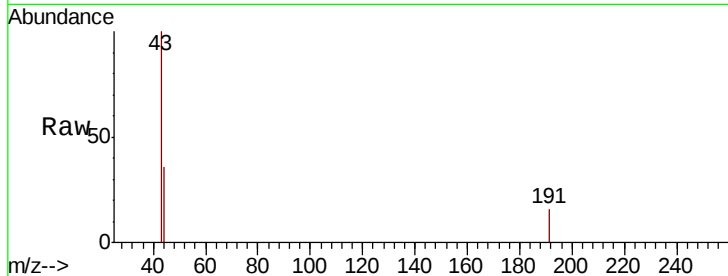




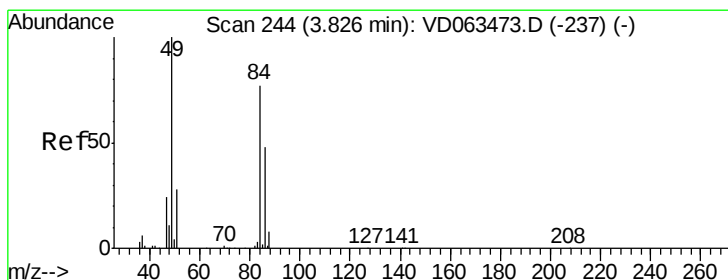
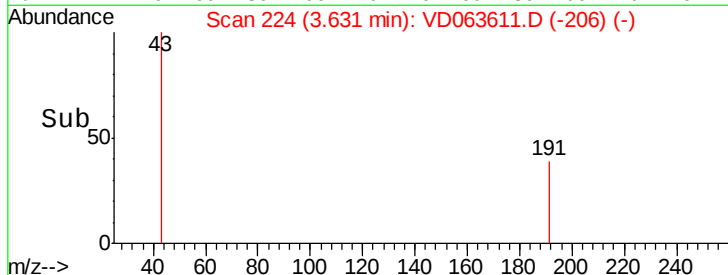
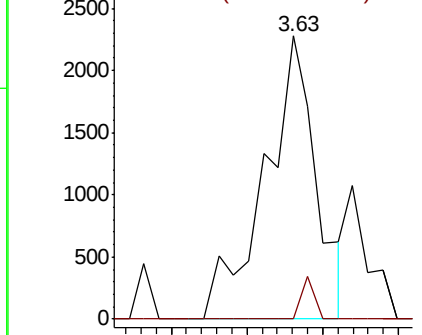
#18
Methyl Acetate
Concen: 2.487 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD063611.D
Acq: 15 Aug 2019 17:49

Instrument :
MSVOA_D
ClientSampled :
TP-2

Tgt Ion: 43 Resp: 5385
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#

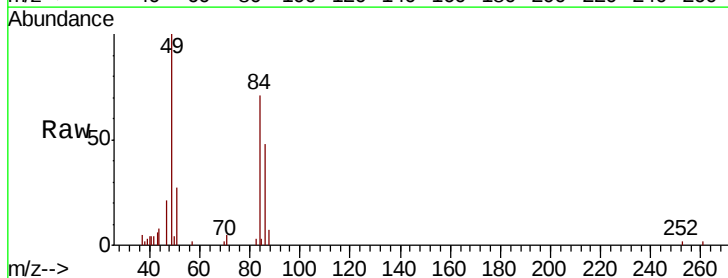


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

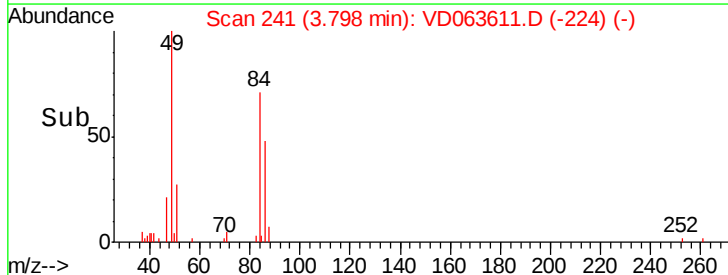
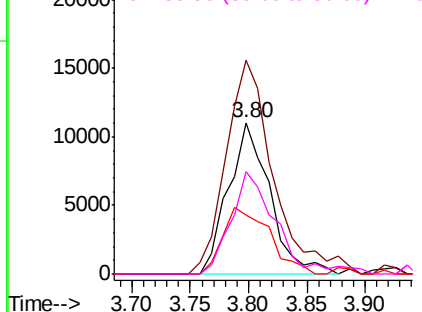


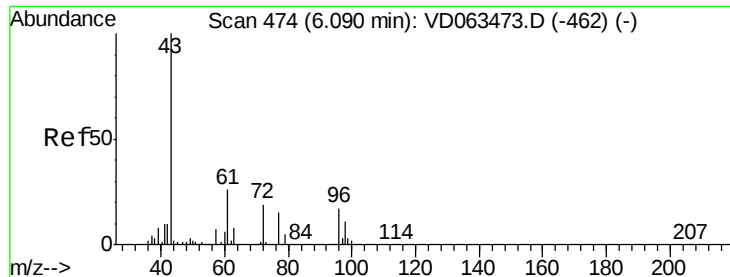
#20
Methylene Chloride
Concen: 5.498 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063611.D
Acq: 15 Aug 2019 17:49

Tgt Ion: 84 Resp: 27175
Ion Ratio Lower Upper
84 100
49 141.0 103.4 155.2
51 38.7 28.5 42.7
86 67.2 49.4 74.2



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: 115.501 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.04 min

Lab File: VD063611.D

Acq: 15 Aug 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

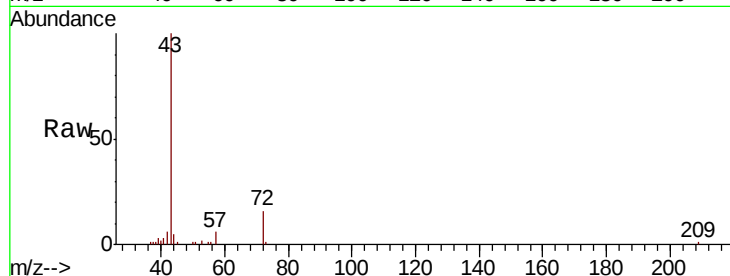
TP-2

Tgt Ion: 43 Resp: 130398

Ion Ratio Lower Upper

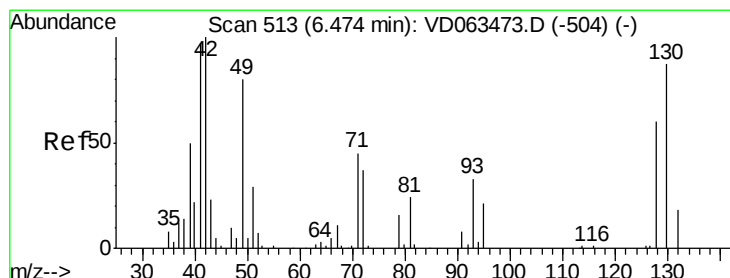
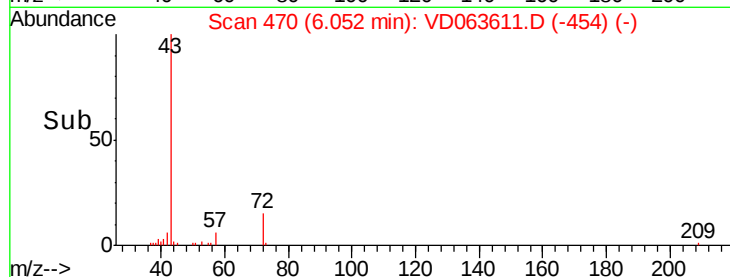
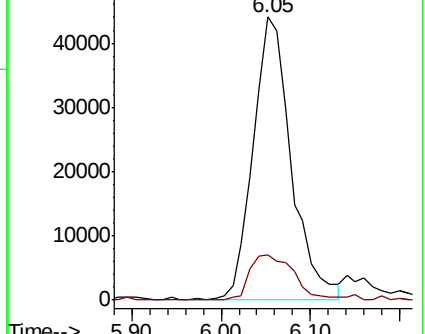
43 100

72 16.1 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 5.809 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD063611.D

Acq: 15 Aug 2019 17:49

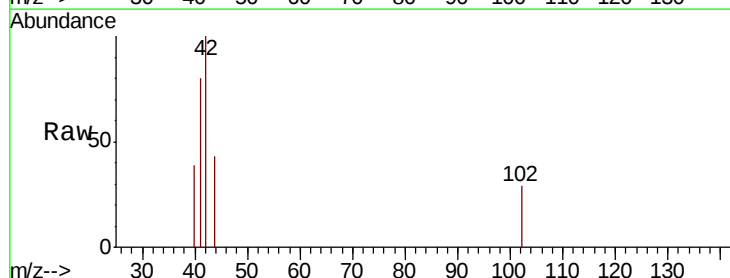
Tgt Ion: 42 Resp: 3056

Ion Ratio Lower Upper

42 100

72 0.0 31.5 47.3#

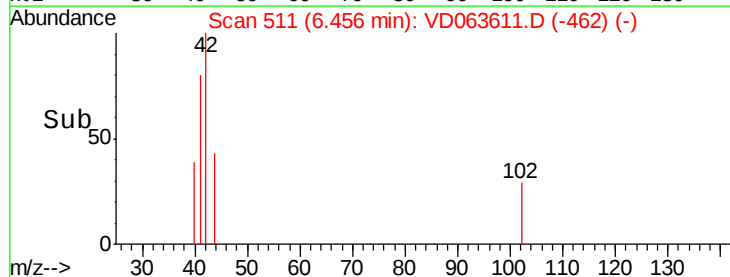
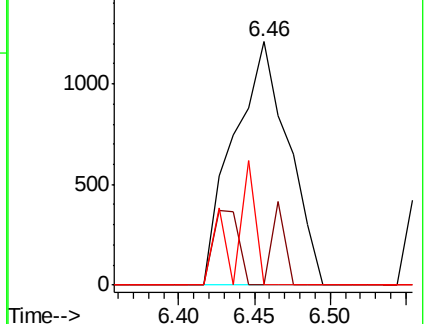
71 19.4 33.8 50.8#

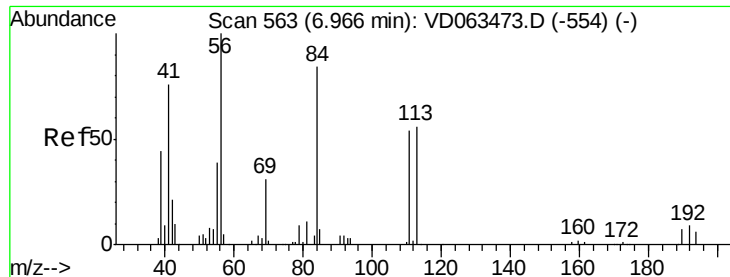


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

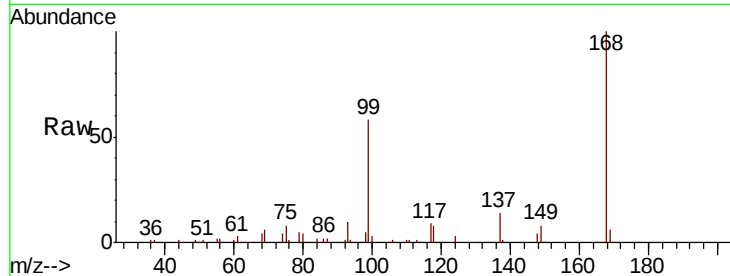




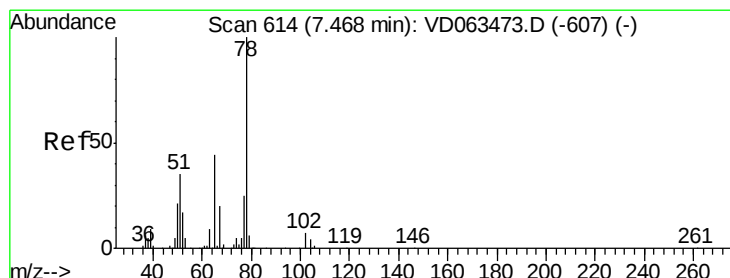
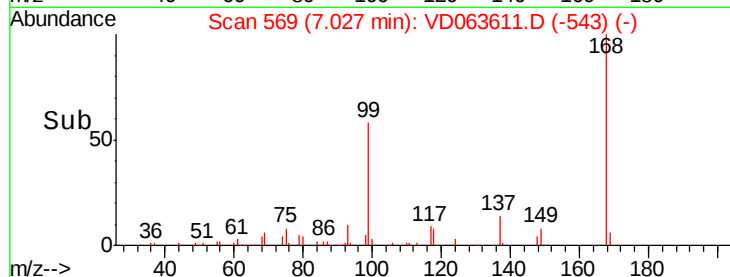
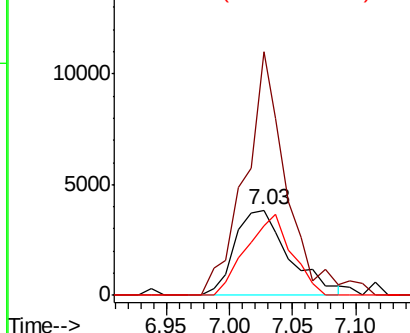
#31
Cyclohexane
Concen: 2.258 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD063611.D
Acq: 15 Aug 2019 17:49

Instrument :
MSVOA_D
ClientSampleId :
TP-2

Tgt Ion: 56 Resp: 11464
Ion Ratio Lower Upper
56 100
69 285.4 25.0 37.6#
84 81.6 69.7 104.5

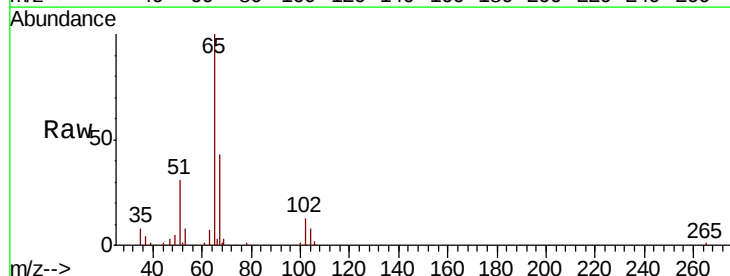


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

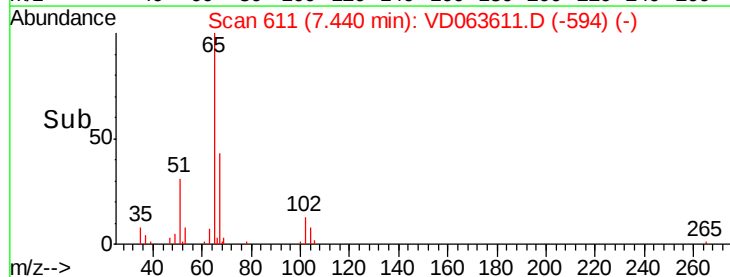
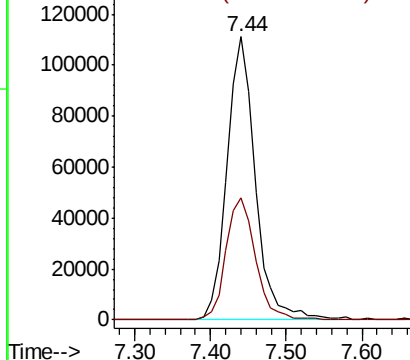


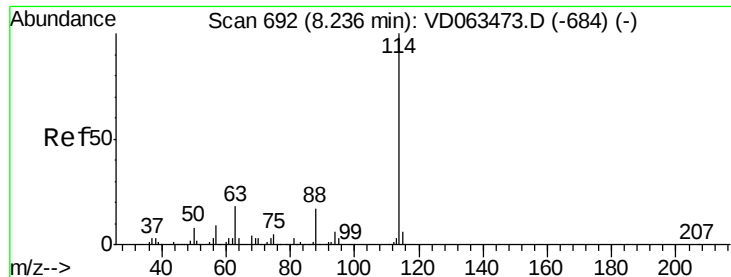
#33
1,2-Dichloroethane-d4
Concen: 51.039 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063611.D
Acq: 15 Aug 2019 17:49

Tgt Ion: 65 Resp: 287011
Ion Ratio Lower Upper
65 100
67 43.0 0.0 89.2



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. -0.03 min

Lab File: VD063611.D

Acq: 15 Aug 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

TP-2

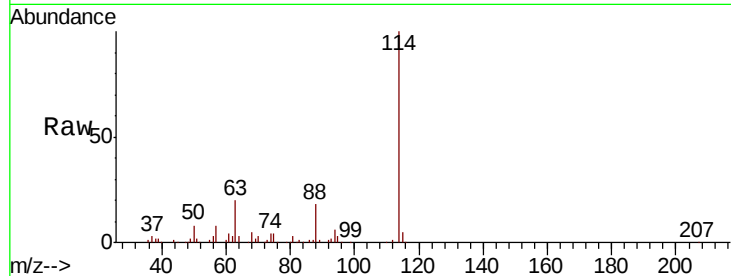
Tgt Ion:114 Resp: 614832

Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.2

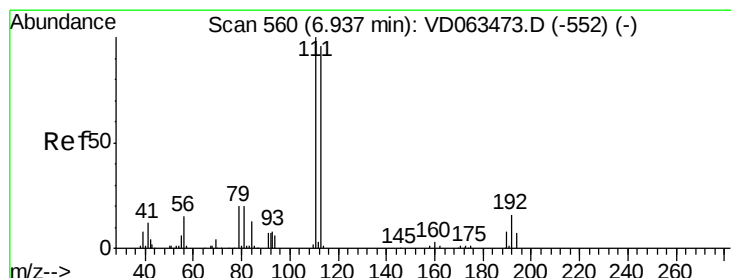
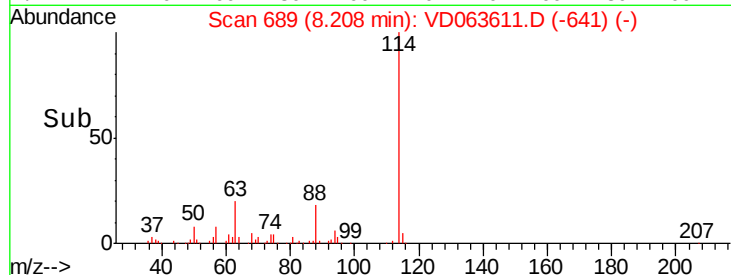
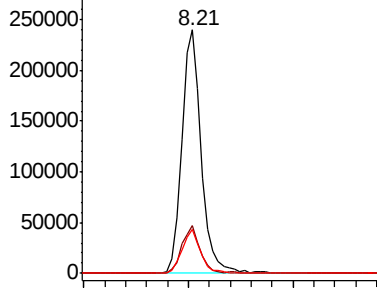
88 18.0 0.0 35.0



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: 58.675 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063611.D

Acq: 15 Aug 2019 17:49

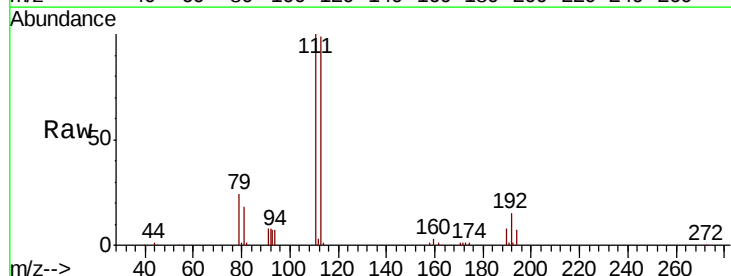
Tgt Ion:113 Resp: 303826

Ion Ratio Lower Upper

113 100

111 101.5 83.1 124.7

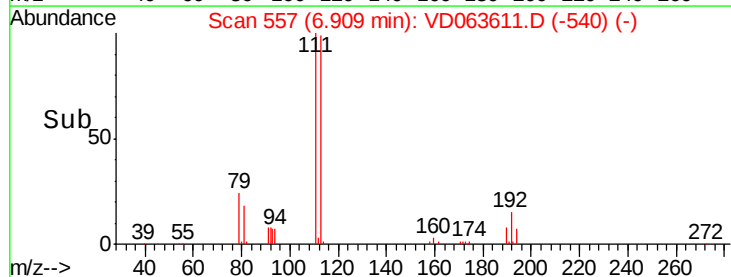
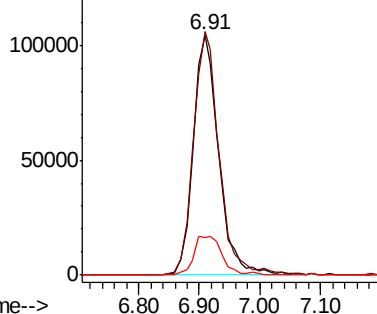
192 15.5 13.1 19.7

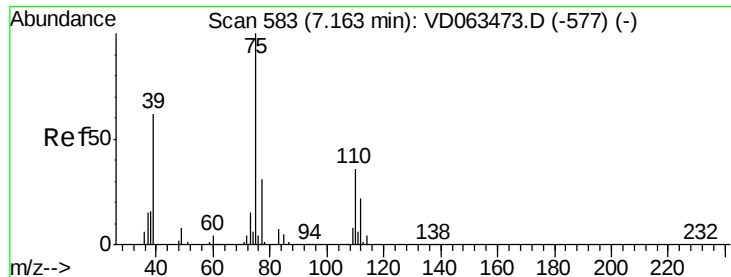


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 7.435 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.14 min

Lab File: VD063611.D

Acq: 15 Aug 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

TP-2

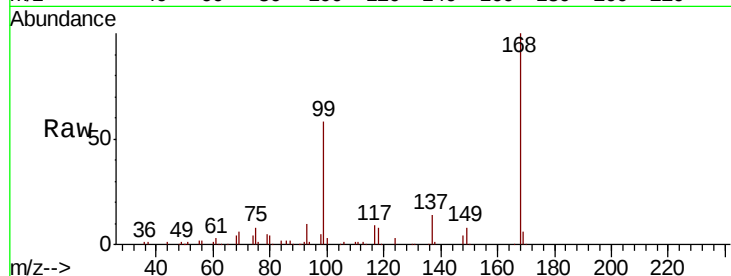
Tgt Ion: 75 Resp: 40411

Ion Ratio Lower Upper

75 100

110 9.4 17.6 52.8#

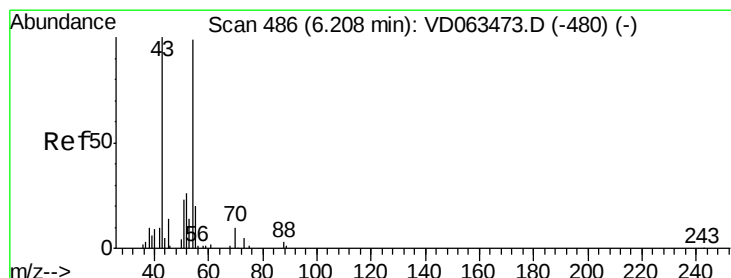
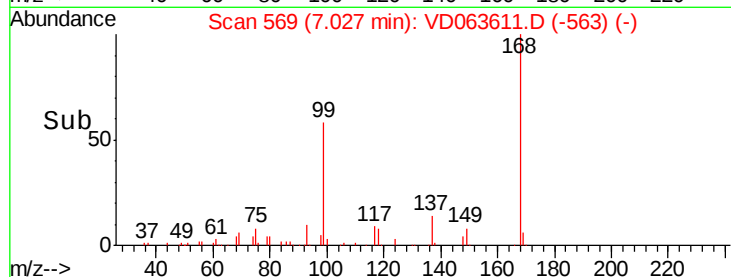
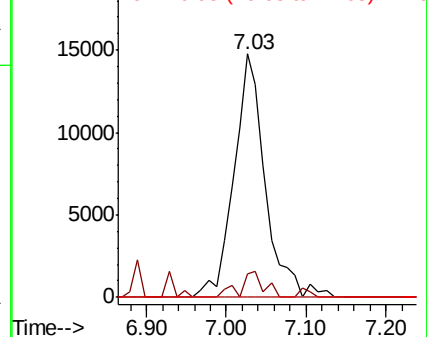
77 0.0 24.3 36.5#



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: 5.102 ug/l

RT: 6.14 min Scan# 479

Delta R.T. -0.07 min

Lab File: VD063611.D

Acq: 15 Aug 2019 17:49

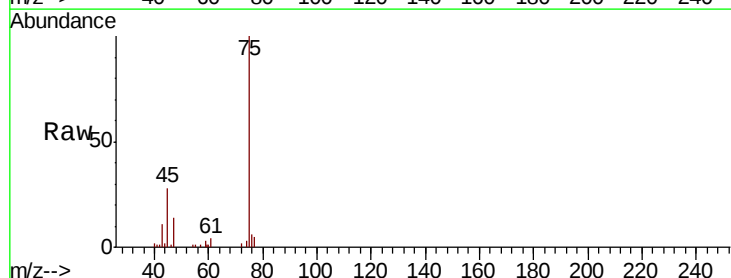
Tgt Ion: 43 Resp: 11619

Ion Ratio Lower Upper

43 100

61 38.8 9.0 13.6#

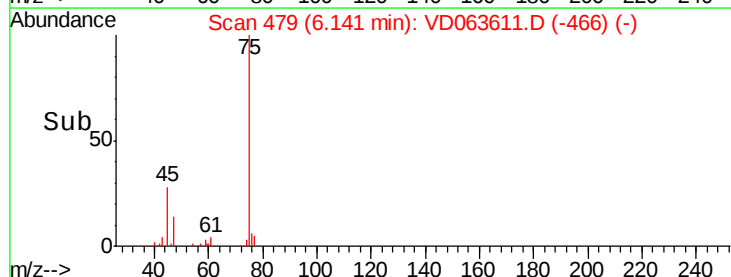
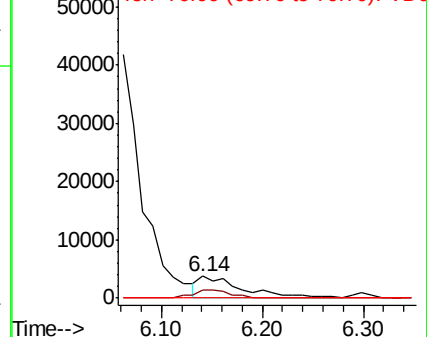
70 0.0 6.9 10.3#

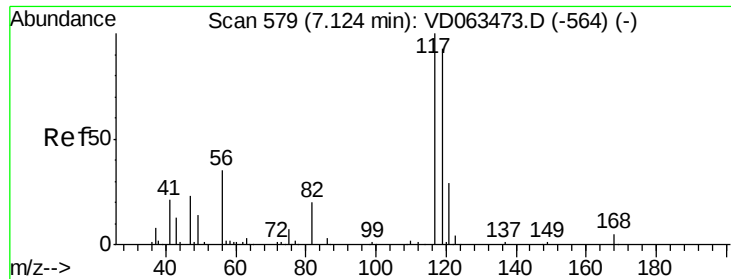


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.448 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063611.D

Acq: 15 Aug 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

TP-2

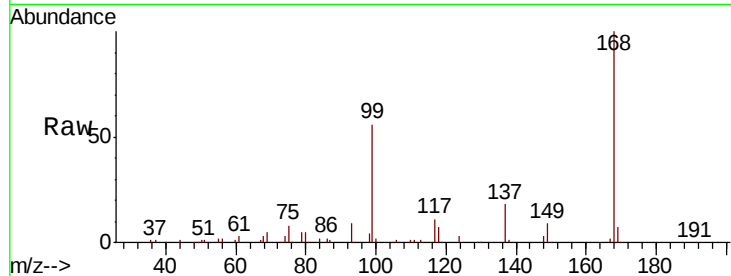
Tgt Ion:117 Resp: 52822

Ion Ratio Lower Upper

117 100

119 3.7 74.2 111.2#

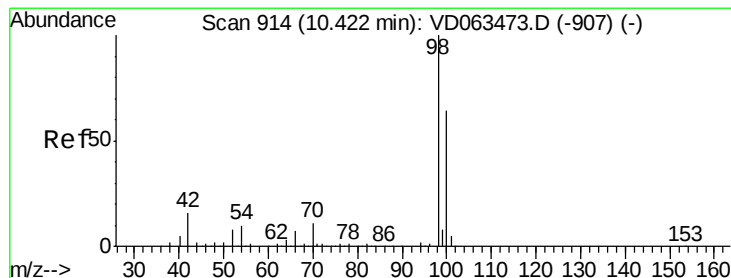
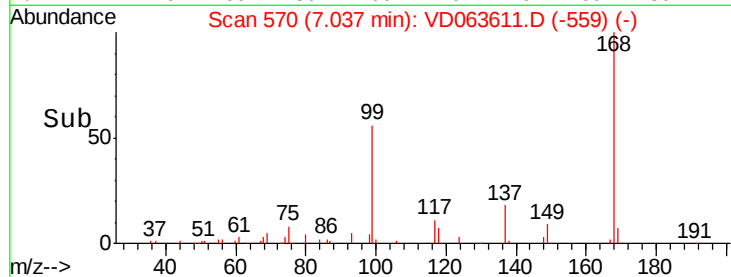
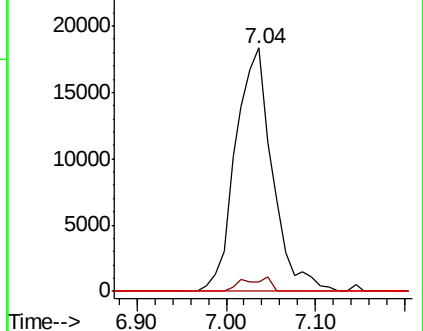
121 0.0 23.1 34.7#



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: 38.699 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.03 min

Lab File: VD063611.D

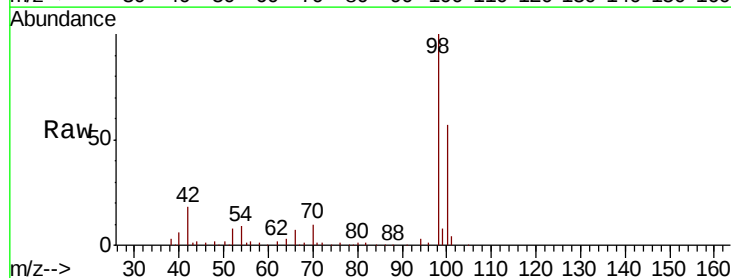
Acq: 15 Aug 2019 17:49

Tgt Ion: 98 Resp: 440571

Ion Ratio Lower Upper

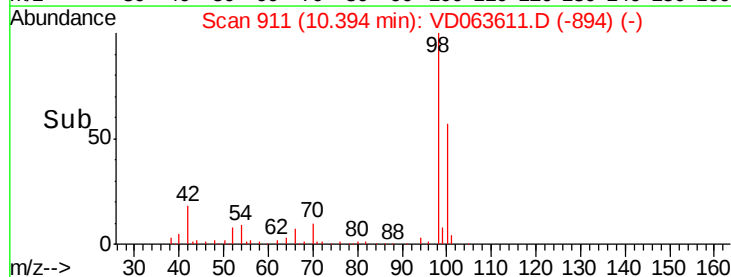
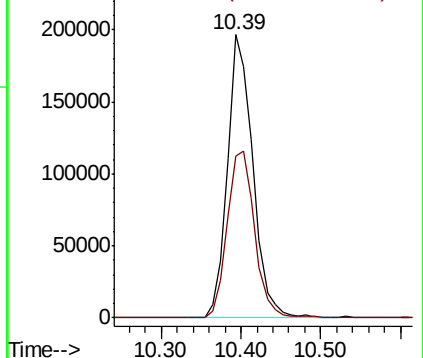
98 100

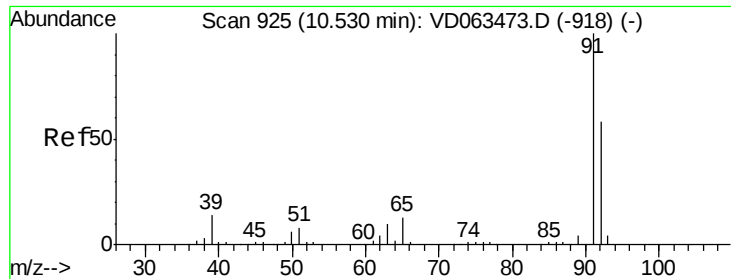
100 57.3 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.369 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063611.D

Acq: 15 Aug 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

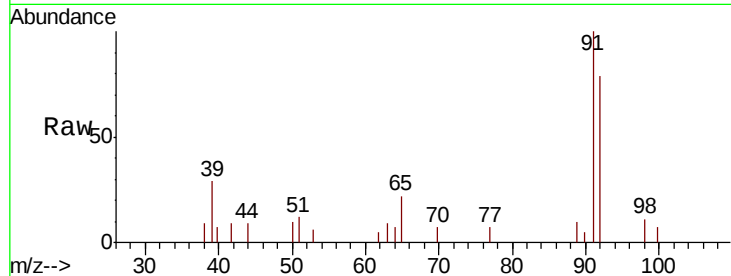
TP-2

Tgt Ion: 92 Resp: 10548

Ion Ratio Lower Upper

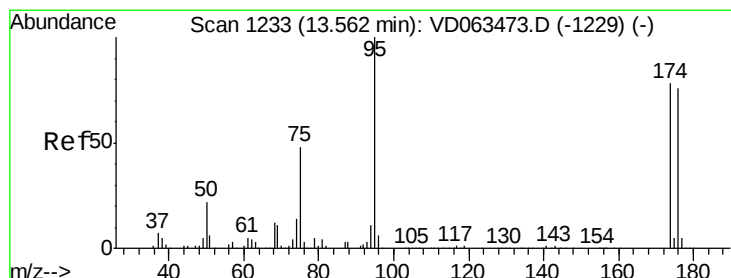
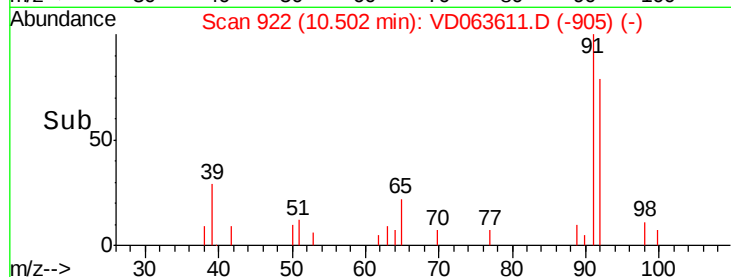
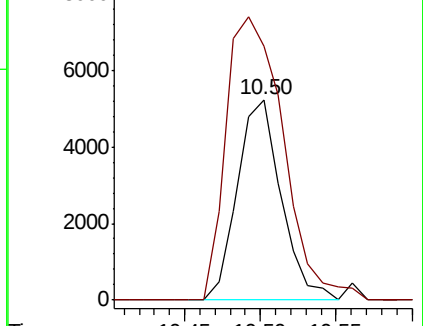
92 100

91 126.6 137.9 206.9#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 18.026 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063611.D

Acq: 15 Aug 2019 17:49

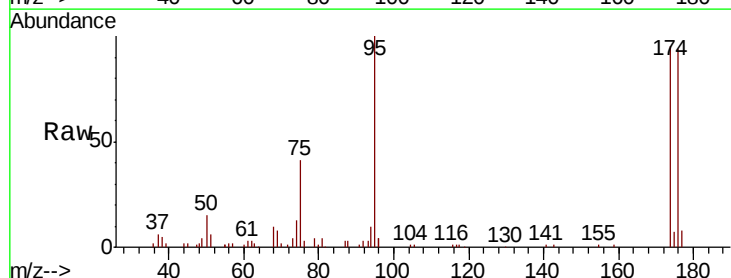
Tgt Ion: 95 Resp: 93011

Ion Ratio Lower Upper

95 100

174 95.1 0.0 155.4

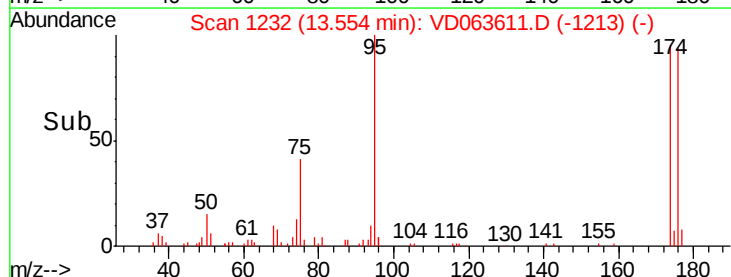
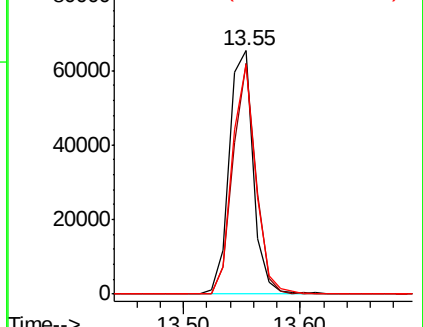
176 94.1 0.0 152.4

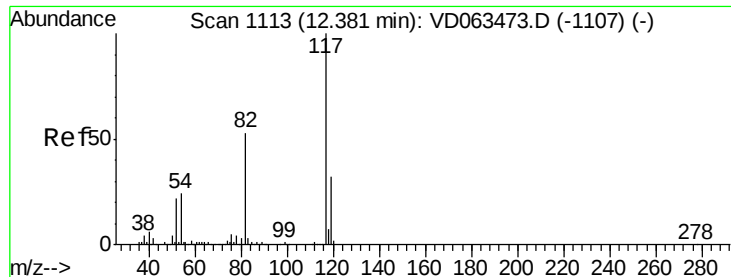


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

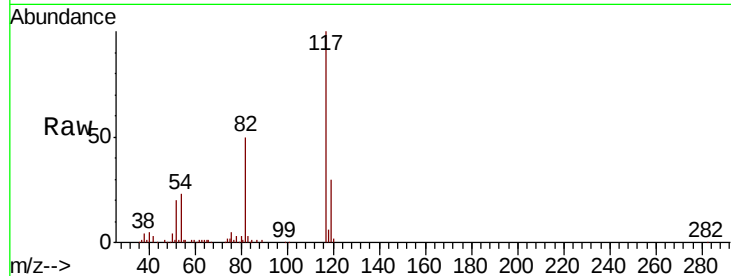




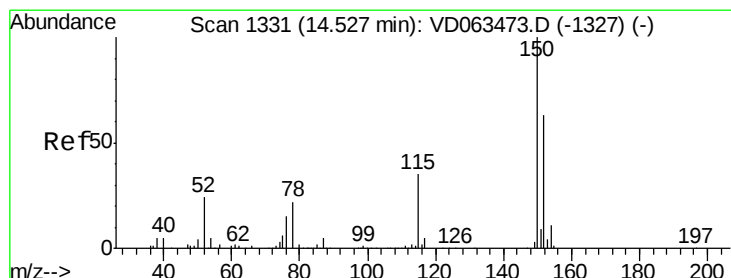
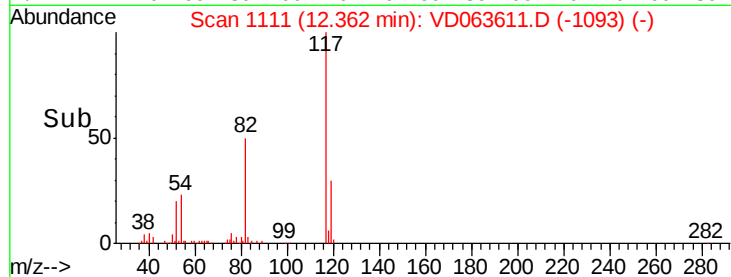
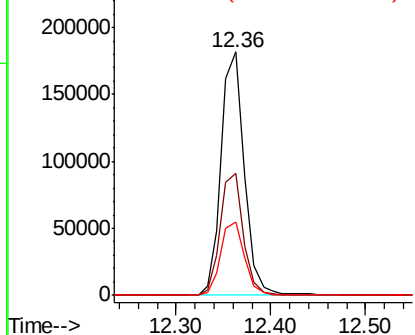
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063611.D
Acq: 15 Aug 2019 17:49

Instrument :
MSVOA_D
ClientSampleId :
TP-2

Tgt Ion:117 Resp: 308817
Ion Ratio Lower Upper
117 100
82 50.2 42.0 63.0
119 30.1 25.4 38.0

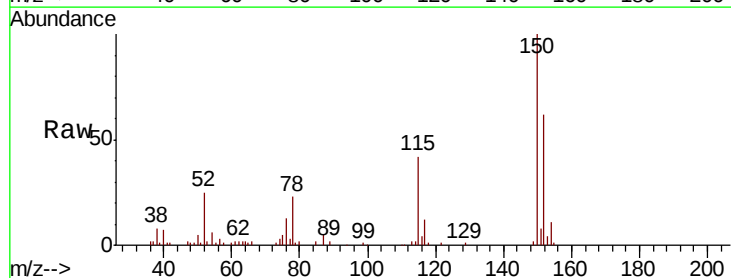


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

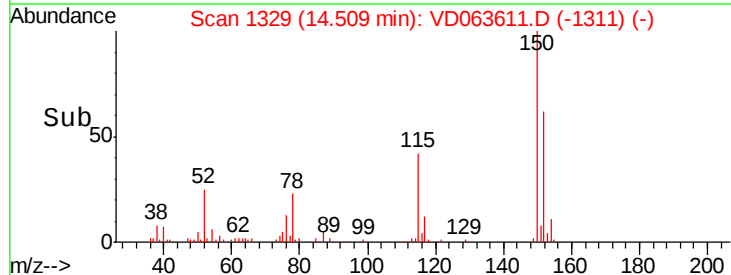
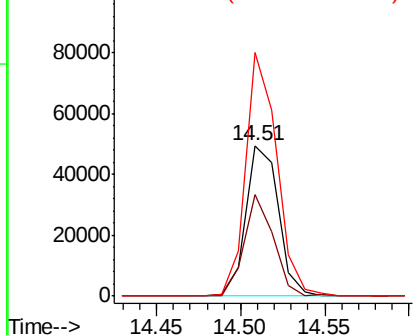


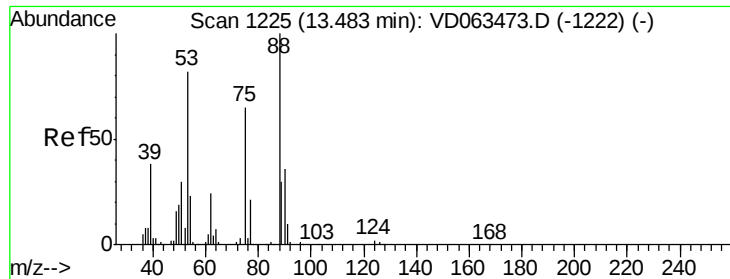
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD063611.D
Acq: 15 Aug 2019 17:49

Tgt Ion:152 Resp: 66266
Ion Ratio Lower Upper
152 100
115 67.4 30.9 92.7
150 161.8 0.0 318.6



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: 198.590 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD063611.D

Acq: 15 Aug 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

TP-2

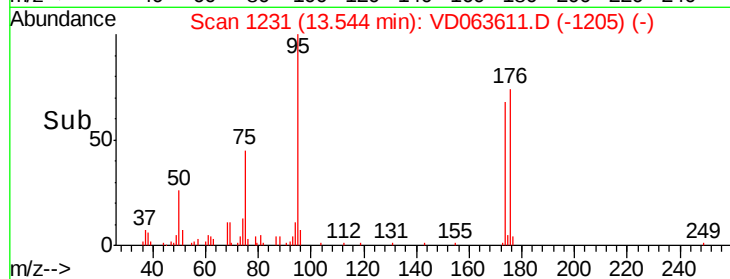
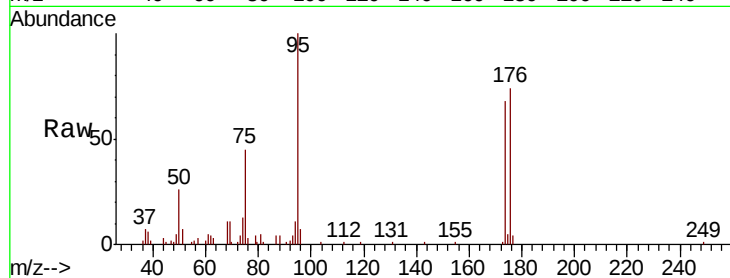
Tgt Ion: 75 Resp: 40593

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



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

