

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
 Data File : VD063732.D
 Acq On : 22 Aug 2019 14:38
 Operator : JC/SY
 Sample : K4388-18RE
 Misc : 6.11g/5ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-E2-(0)RE

Quant Time: Aug 23 06:58:06 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	7.05	168	420158	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	650255	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	526344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	201221	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	393144	87.54	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	175.08%	
35) Dibromofluoromethane	6.93	113	400995	73.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.44%	
50) Toluene-d8	10.41	98	762104	63.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.60%	
62) 4-Bromofluorobenzene	13.55	95	257287	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	

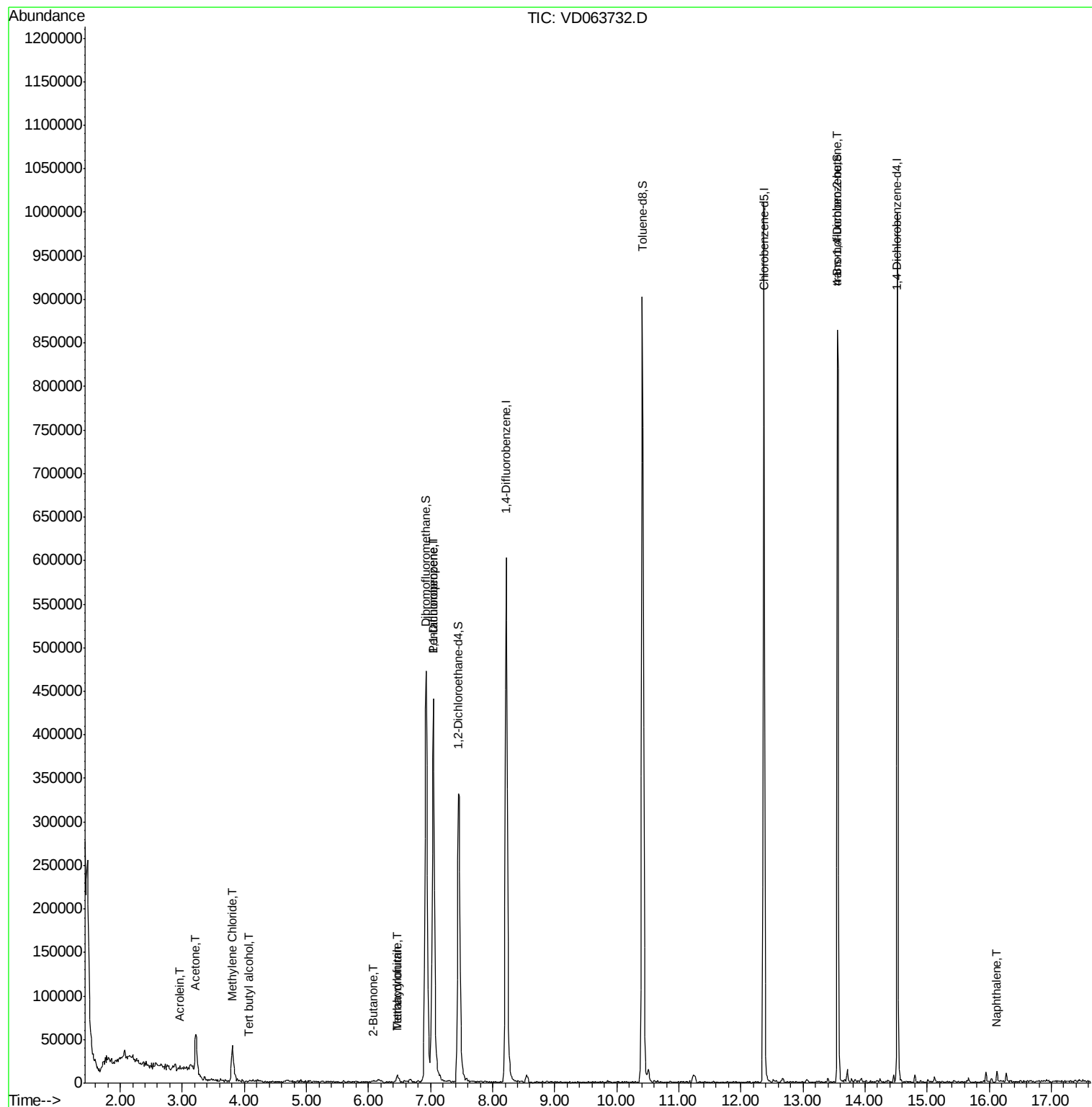
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	295	1.509	ug/l #	71
13) Acrolein	2.95	56	733	3.809	ug/l	92
16) Acetone	3.22	43	107526	117.777	ug/l	99
20) Methylene Chloride	3.81	84	24683	6.252	ug/l	88
25) 2-Butanone	6.08	43	3222	3.573	ug/l #	58
29) Tetrahydrofuran	6.47	42	6850	16.303	ug/l #	92
36) 1,1-Dichloropropene	7.05	75	33837	5.886	ug/l #	51
41) Methacrylonitrile	6.47	41	4841	1.596	ug/l #	85
81) trans-1,4-Dichloro-2-buten	13.55	75	118076	190.233	ug/l #	1
95) Naphthalene	16.12	128	6538	1.092	ug/l #	90

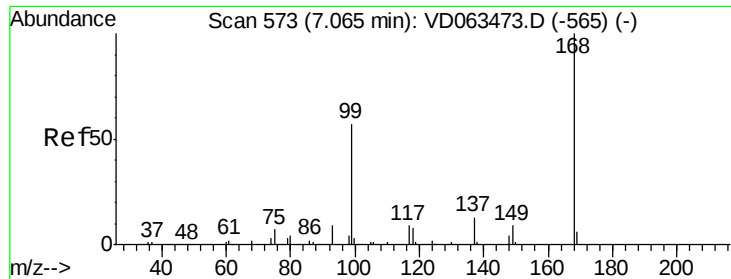
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
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QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063732.D

Acq: 22 Aug 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

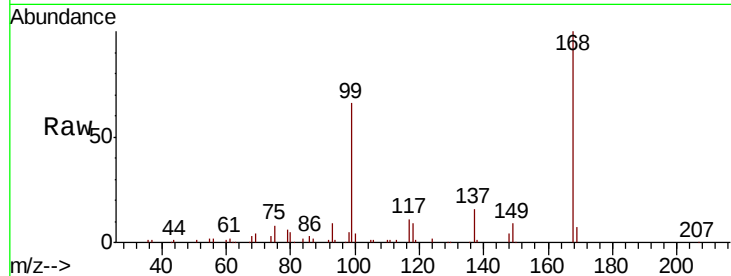
T6-E2-(0)RE

Tgt Ion:168 Resp: 420158

Ion Ratio Lower Upper

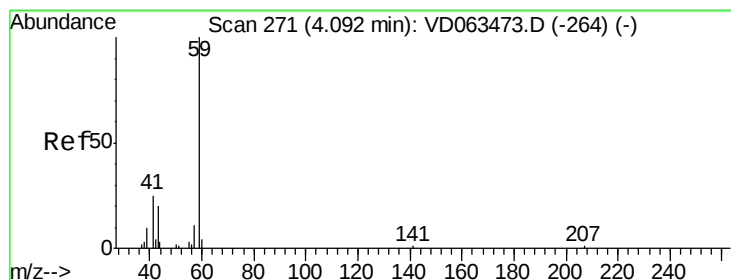
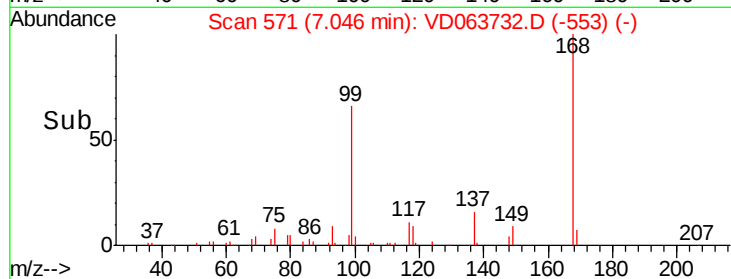
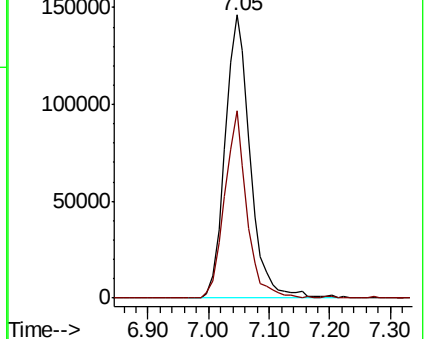
168 100

99 66.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.509 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.03 min

Lab File: VD063732.D

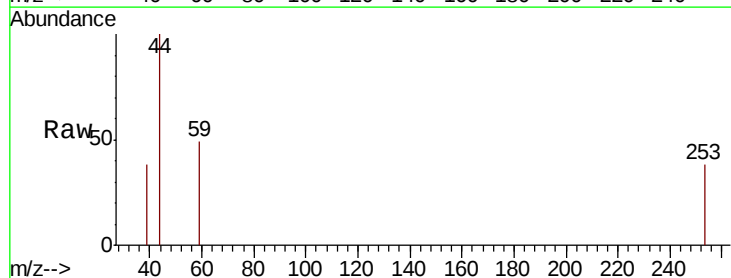
Acq: 22 Aug 2019 14:38

Tgt Ion: 59 Resp: 295

Ion Ratio Lower Upper

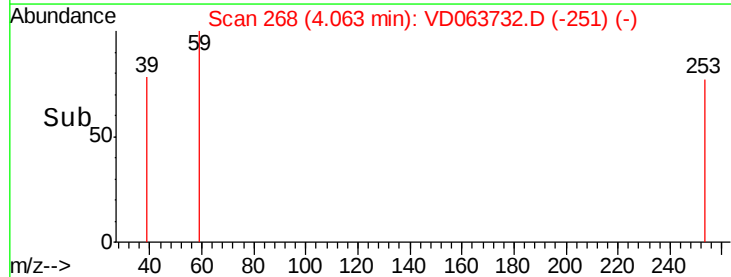
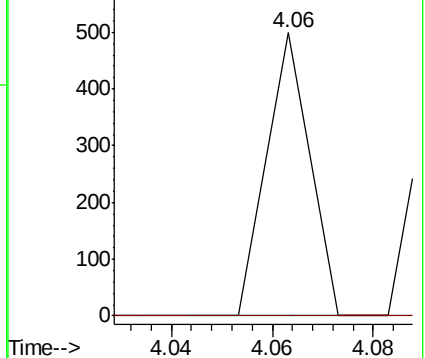
59 100

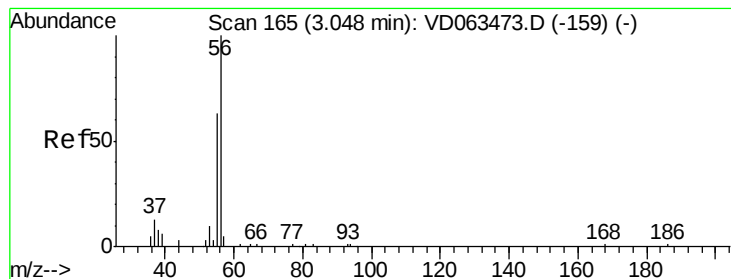
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 3.809 ug/l

RT: 2.95 min Scan# 155

Delta R.T. -0.10 min

Lab File: VD063732.D

Acq: 22 Aug 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

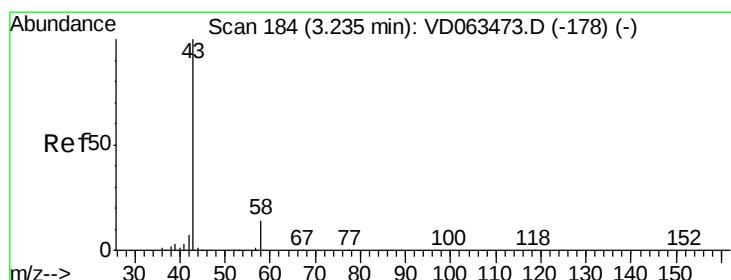
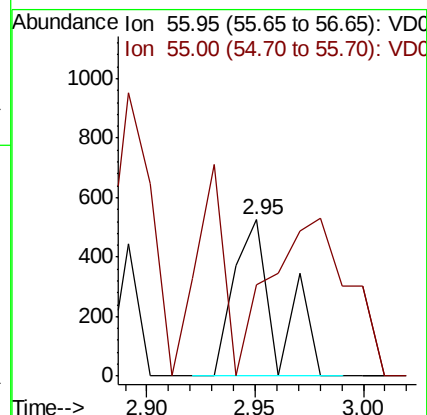
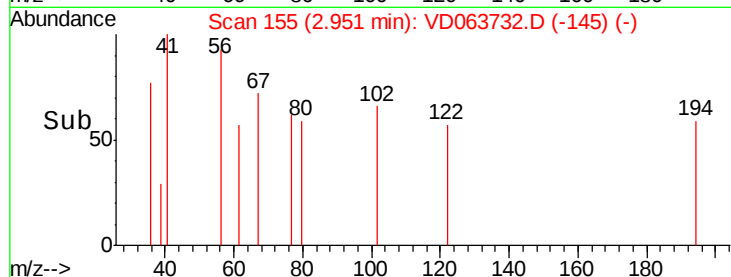
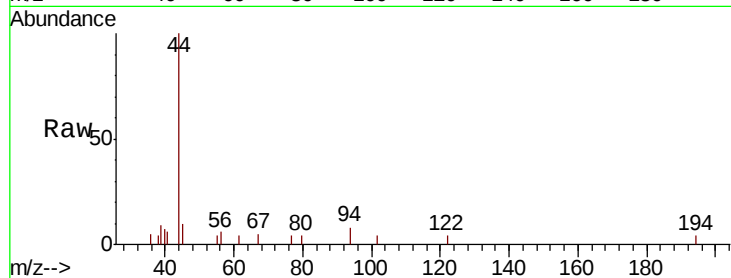
T6-E2-(0)RE

Tgt Ion: 56 Resp: 733

Ion Ratio Lower Upper

56 100

55 58.1 51.3 76.9



#16

Acetone

Concen: 117.777 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063732.D

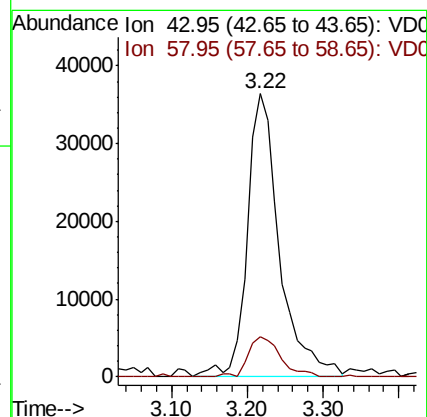
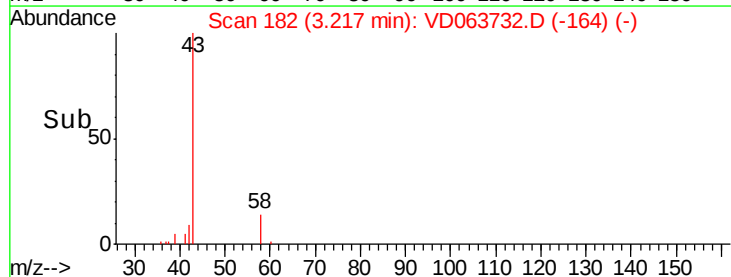
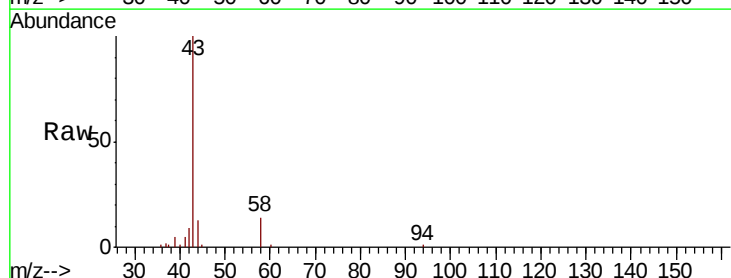
Acq: 22 Aug 2019 14:38

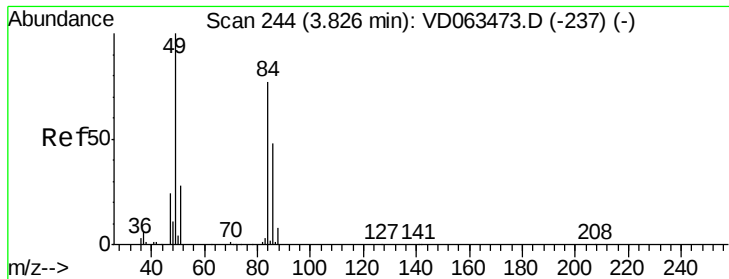
Tgt Ion: 43 Resp: 107526

Ion Ratio Lower Upper

43 100

58 14.0 11.4 17.2

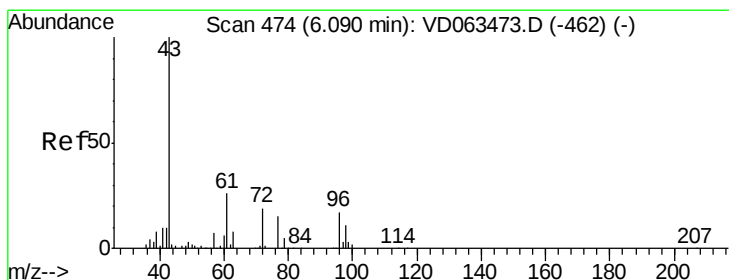
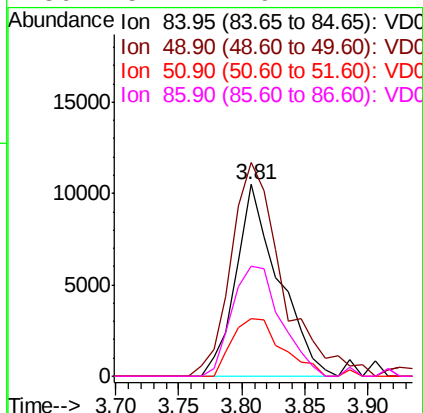
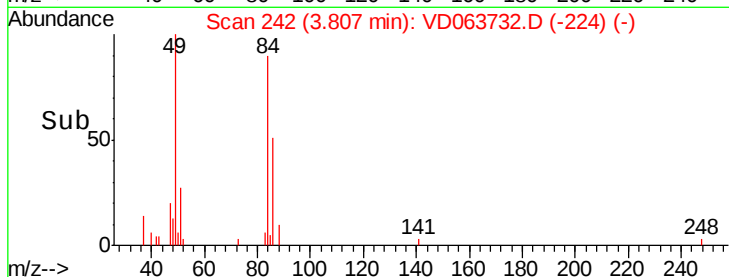
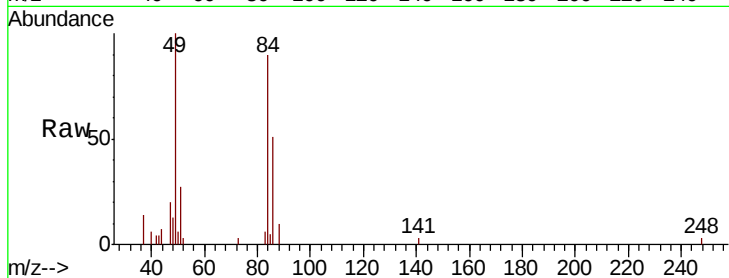




#20
Methylene Chloride
Concen: 6.252 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063732.D
Acq: 22 Aug 2019 14:38

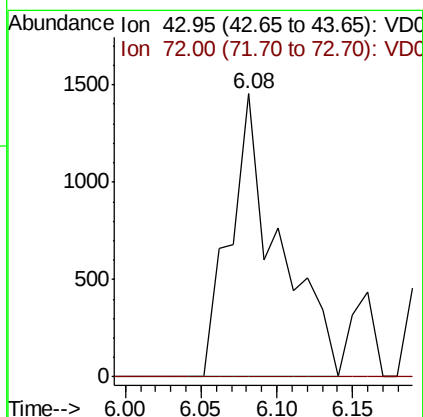
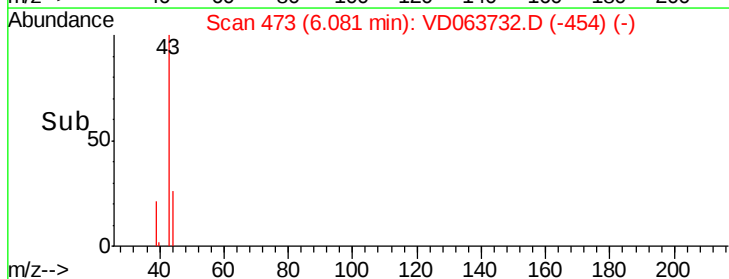
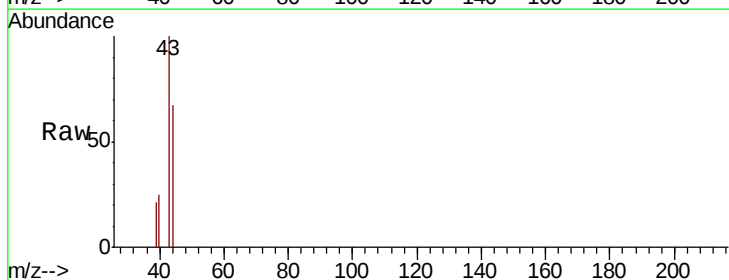
Instrument :
MSVOA_D
ClientSampleId :
T6-E2-(0)RE

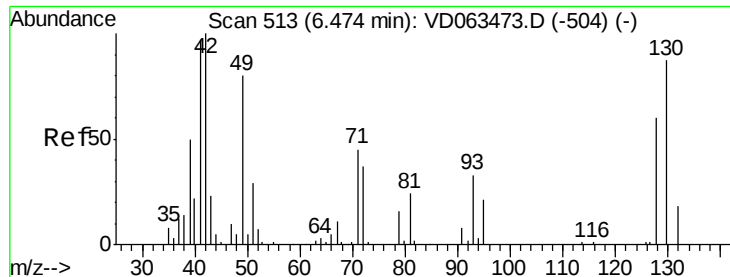
Tgt Ion: 84 Resp: 24683
Ion Ratio Lower Upper
84 100
49 111.4 103.4 155.2
51 30.4 28.5 42.7
86 57.1 49.4 74.2



#25
2-Butanone
Concen: 3.573 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063732.D
Acq: 22 Aug 2019 14:38

Tgt Ion: 43 Resp: 3222
Ion Ratio Lower Upper
43 100
72 0.0 15.1 22.7#





#29

Tetrahydrofuran

Concen: 16.303 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063732.D

Acq: 22 Aug 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

T6-E2-(0)RE

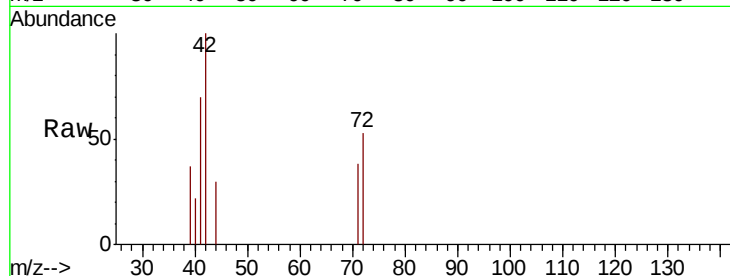
Tgt Ion: 42 Resp: 6850

Ion Ratio Lower Upper

42 100

72 30.0 31.5 47.3#

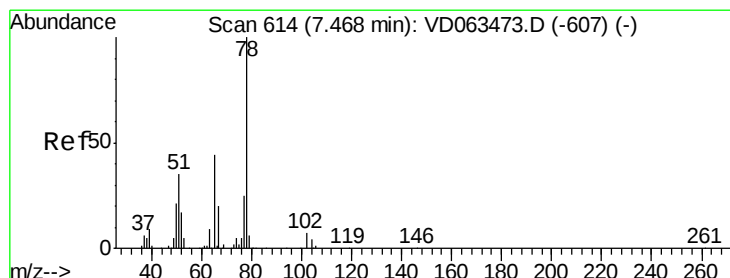
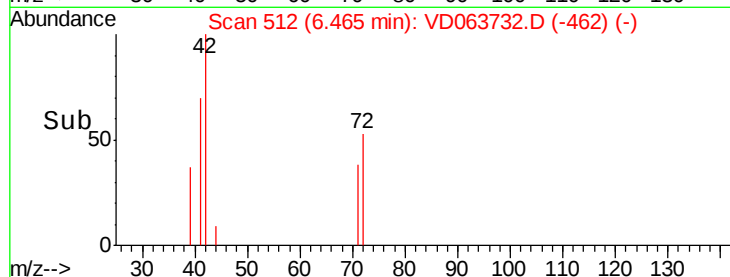
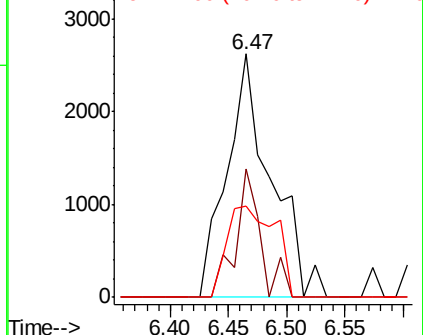
71 41.4 33.8 50.8



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



#33

1,2-Dichloroethane-d4

Concen: 87.537 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063732.D

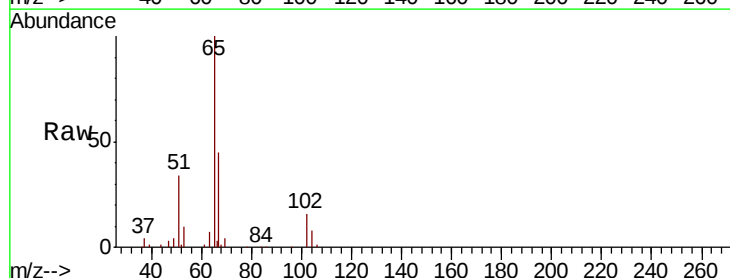
Acq: 22 Aug 2019 14:38

Tgt Ion: 65 Resp: 393144

Ion Ratio Lower Upper

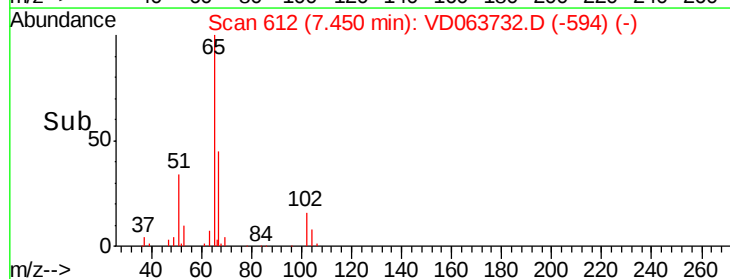
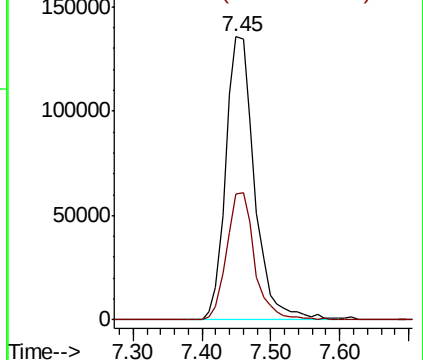
65 100

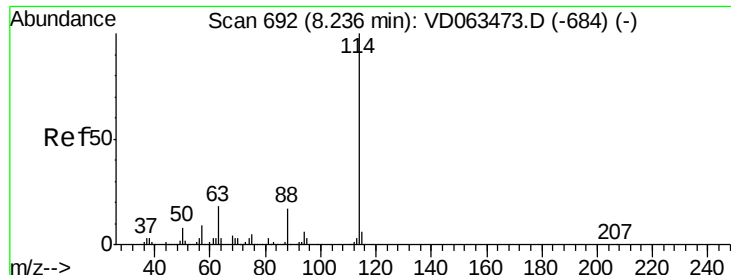
67 44.6 0.0 89.2



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: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063732.D

Acq: 22 Aug 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

T6-E2-(0)RE

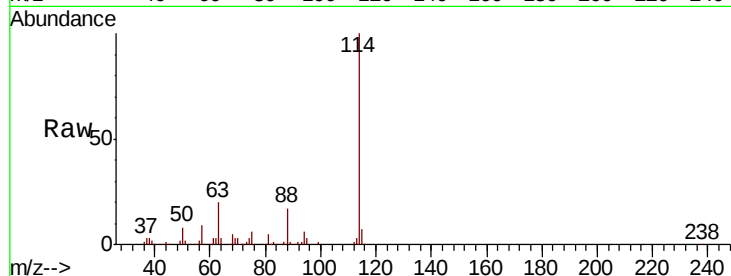
Tgt Ion:114 Resp: 650255

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.2

88 16.8 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

300000

200000

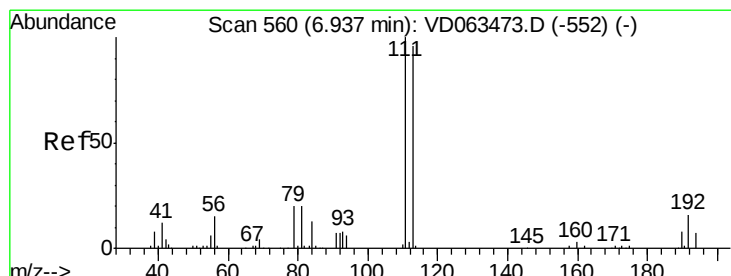
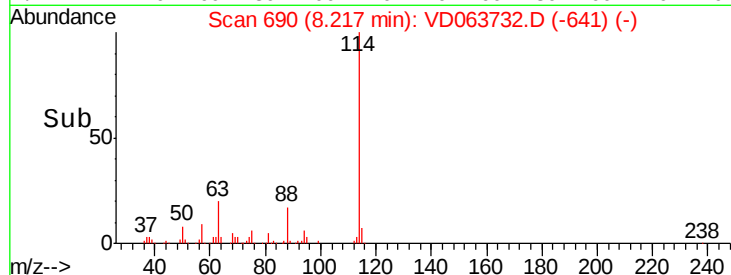
100000

0

8.22

8.10 8.20 8.30 8.40

Time-->



#35

Dibromofluoromethane

Concen: 73.221 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063732.D

Acq: 22 Aug 2019 14:38

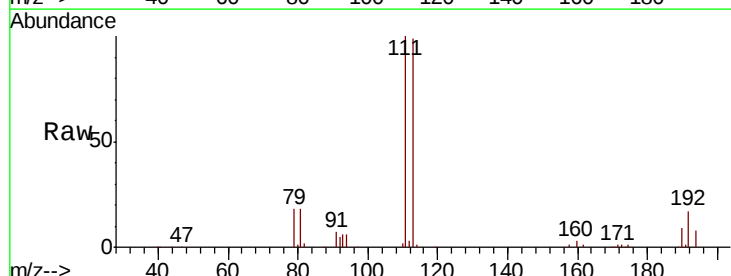
Tgt Ion:113 Resp: 400995

Ion Ratio Lower Upper

113 100

111 100.6 83.1 124.7

192 17.4 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

200000

150000

100000

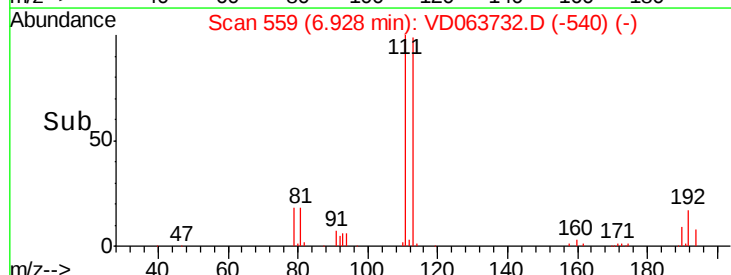
50000

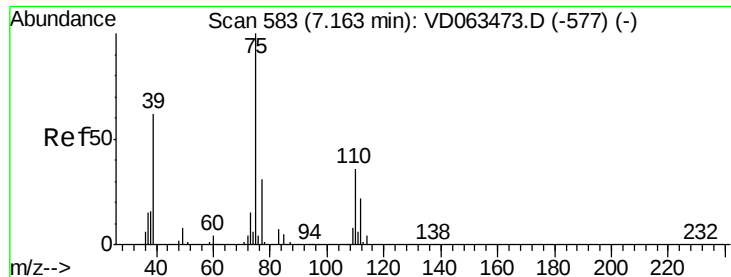
0

6.93

6.80 6.90 7.00 7.10

Time-->

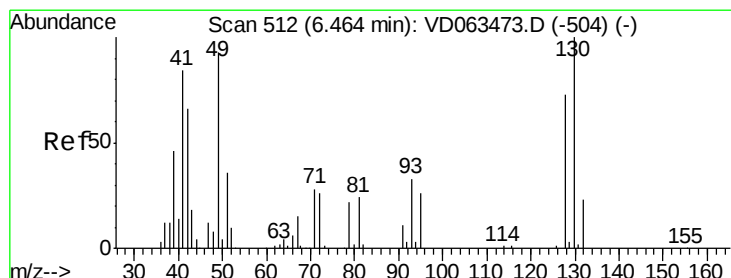
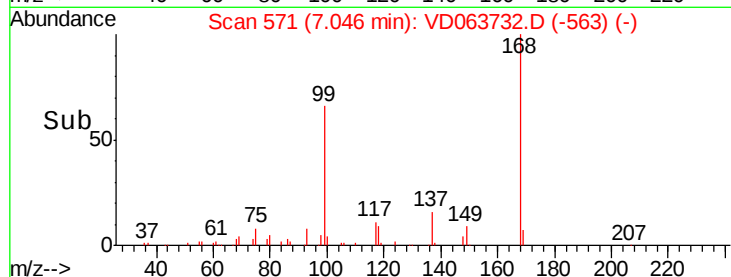
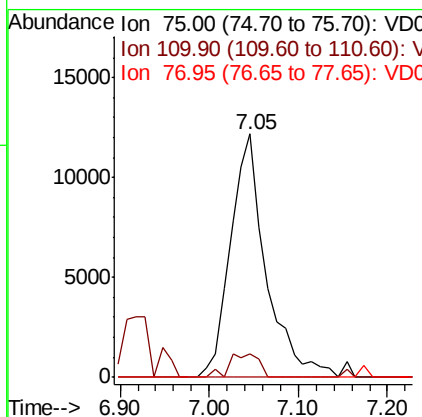
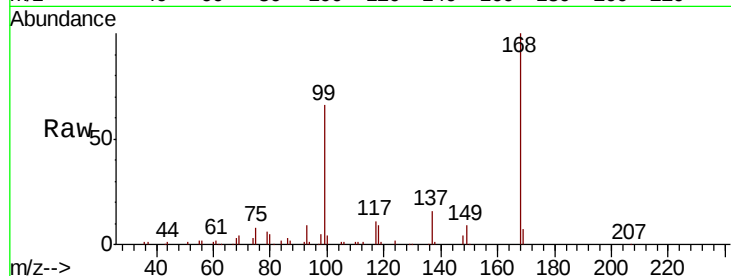




#36
 1,1-Dichloropropene
 Concen: 5.886 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VD063732.D
 Acq: 22 Aug 2019 14:38

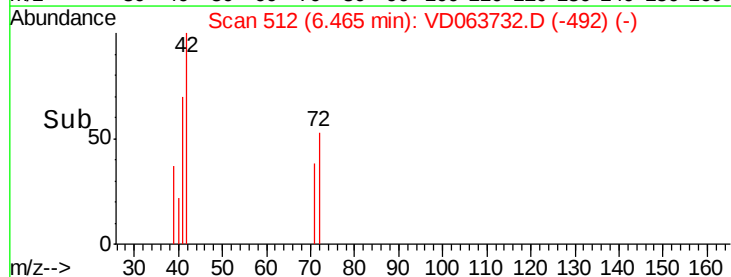
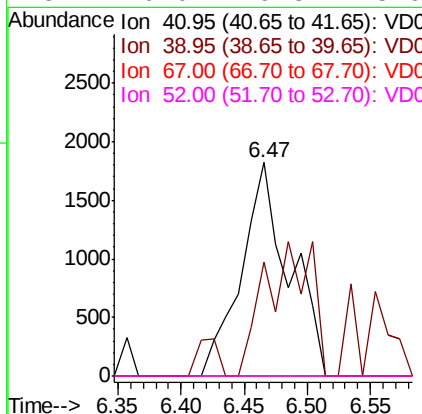
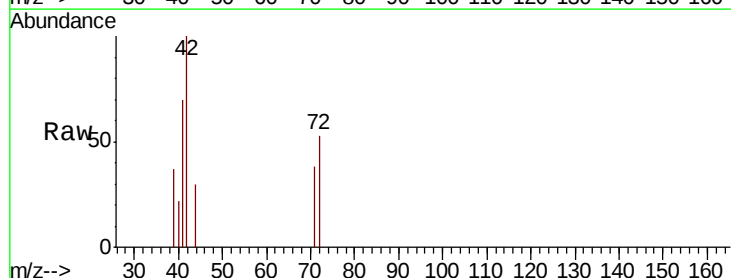
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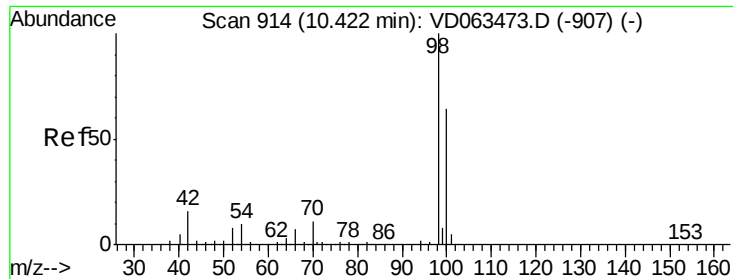
Tgt Ion: 75 Resp: 33837
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.6 52.8#
 77 0.0 24.3 36.5#



#41
 Methacrylonitrile
 Concen: 1.596 ug/l
 RT: 6.47 min Scan# 512
 Delta R.T. 0.00 min
 Lab File: VD063732.D
 Acq: 22 Aug 2019 14:38

Tgt Ion: 41 Resp: 4841
 Ion Ratio Lower Upper
 41 100
 39 53.2 44.6 66.8
 67 0.0 14.4 21.6#
 52 0.0 9.3 13.9#

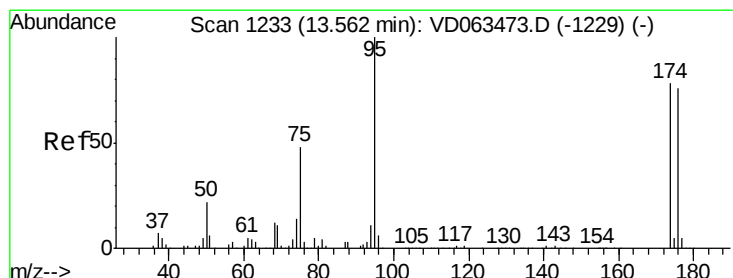
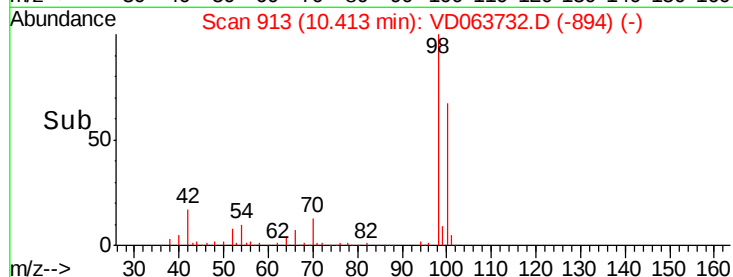
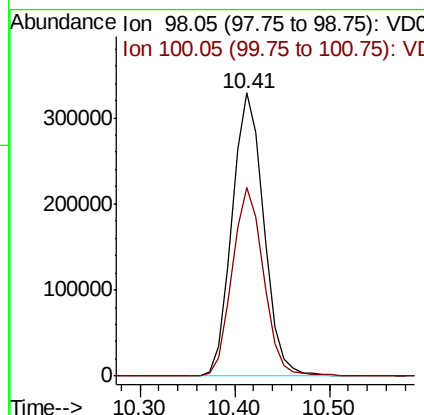
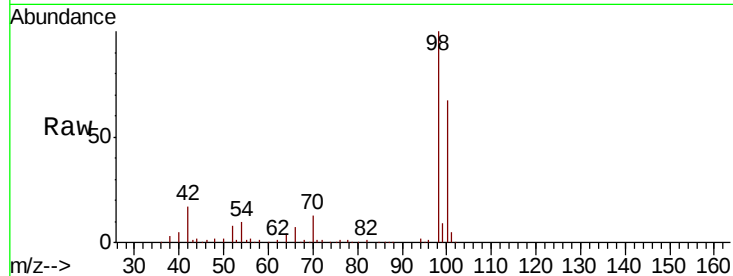




#50
Toluene-d8
Concen: 63.296 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063732.D
Acq: 22 Aug 2019 14:38

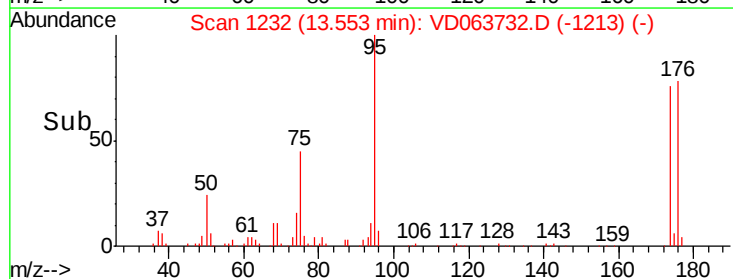
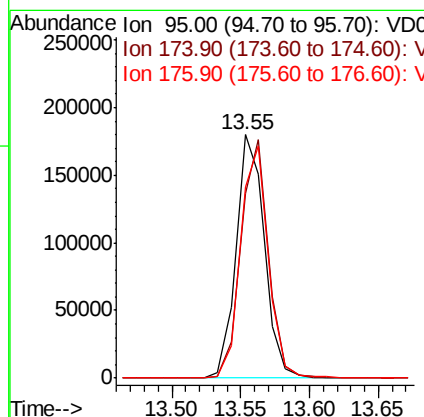
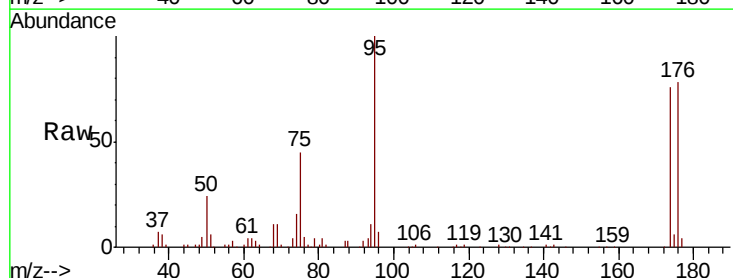
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T6-E2-(0)RE

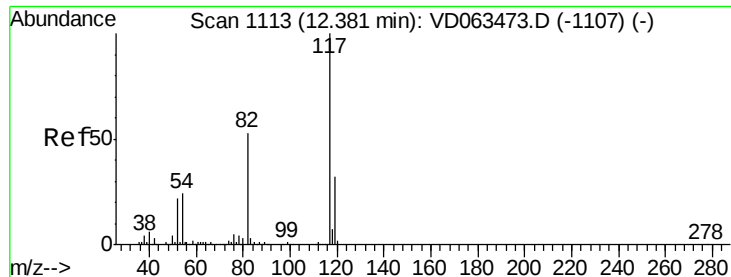
Tgt Ion: 98 Resp: 762104
Ion Ratio Lower Upper
98 100
100 66.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.146 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063732.D
Acq: 22 Aug 2019 14:38

Tgt Ion: 95 Resp: 257287
Ion Ratio Lower Upper
95 100
174 75.7 0.0 155.4
176 78.5 0.0 152.4

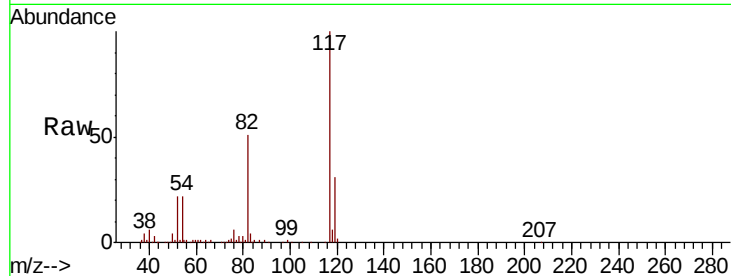




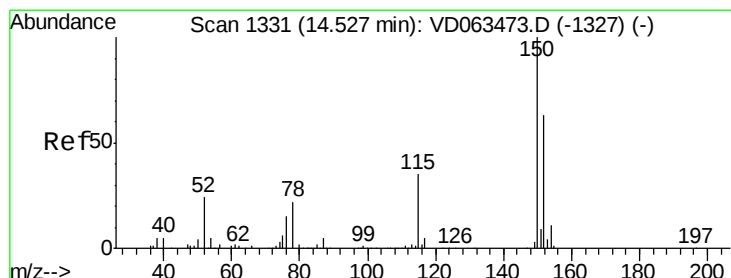
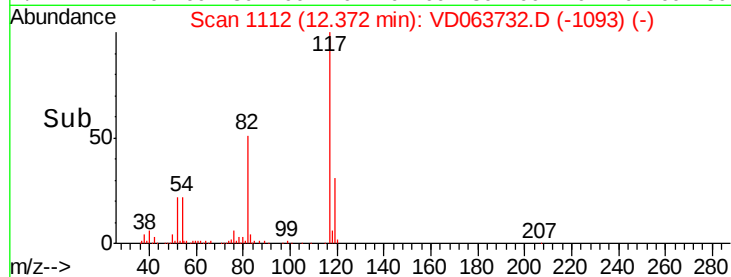
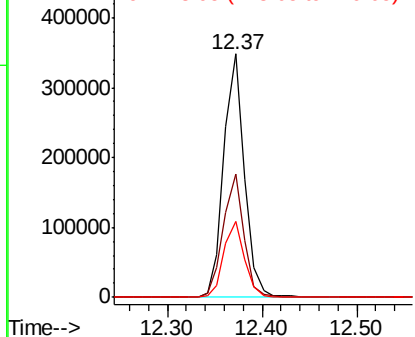
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063732.D
Acq: 22 Aug 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
T6-E2-(0)RE

Tgt Ion:117 Resp: 526344
Ion Ratio Lower Upper
117 100
82 50.9 42.0 63.0
119 31.4 25.4 38.0

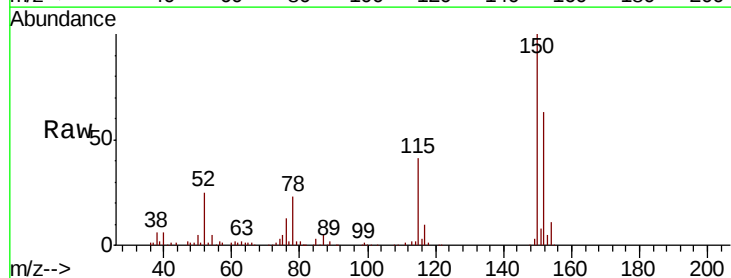


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

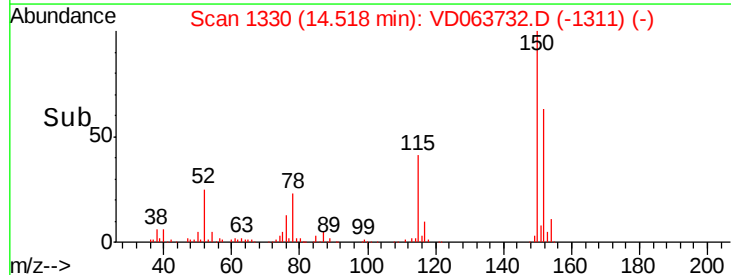
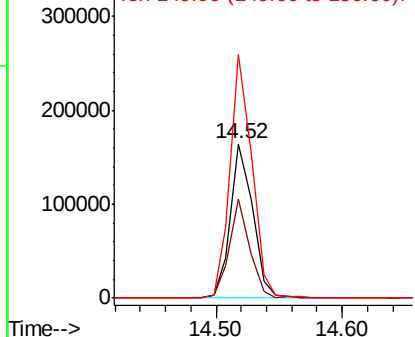


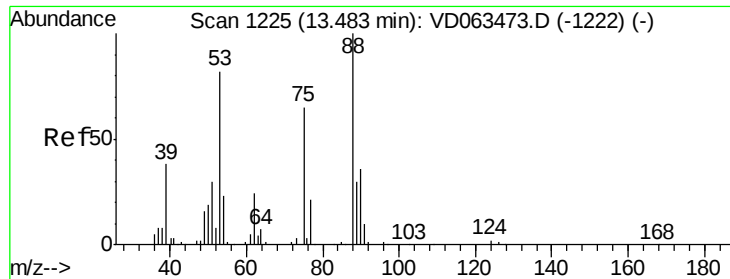
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063732.D
Acq: 22 Aug 2019 14:38

Tgt Ion:152 Resp: 201221
Ion Ratio Lower Upper
152 100
115 64.1 30.9 92.7
150 157.5 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: 190.233 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063732.D

Acq: 22 Aug 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

T6-E2-(0)RE

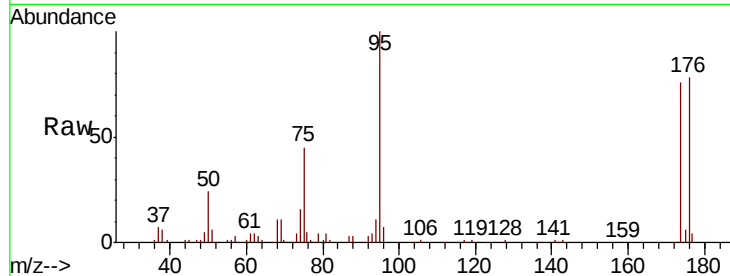
Tgt Ion: 75 Resp: 118076

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

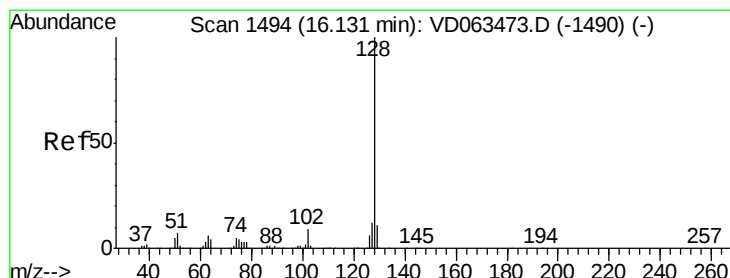
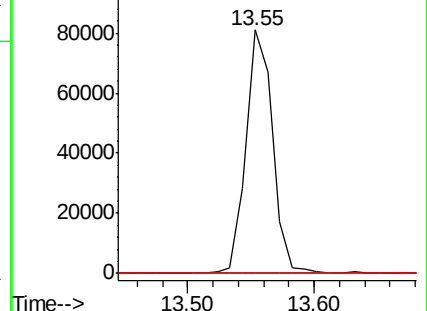
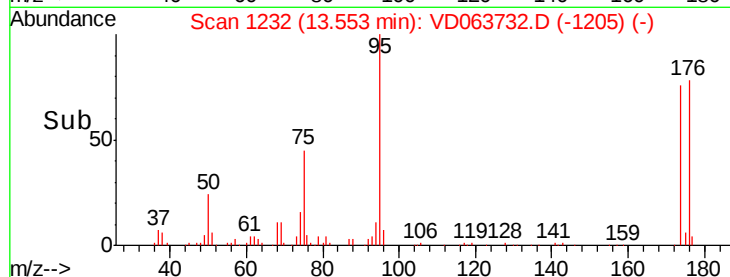
89 0.0 37.0 55.6#



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



#95

Naphthalene

Concen: 1.092 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063732.D

Acq: 22 Aug 2019 14:38

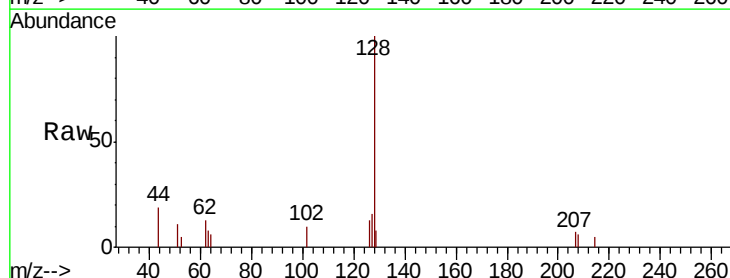
Tgt Ion: 128 Resp: 6538

Ion Ratio Lower Upper

128 100

127 16.4 9.4 14.0#

129 8.1 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

