

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063092.D
 Acq On : 15 Jul 2019 20:32
 Operator : VA/AP
 Sample : K3775-01
 Misc : 5.01µl/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D-3X-ROLL-OFF-DUMPSTER-3

Quant Time: Jul 16 08:23:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	353978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	485107	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	365004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	162203	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	273828	62.10	ug/l	0.00
Spiked Amount			Recovery	=	124.20%	
35) Dibromofluoromethane	6.92	113	229058	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
50) Toluene-d8	10.40	98	457612	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	
62) 4-Bromofluorobenzene	13.55	95	188264	39.21	ug/l	0.00
Spiked Amount			Recovery	=	78.42%	

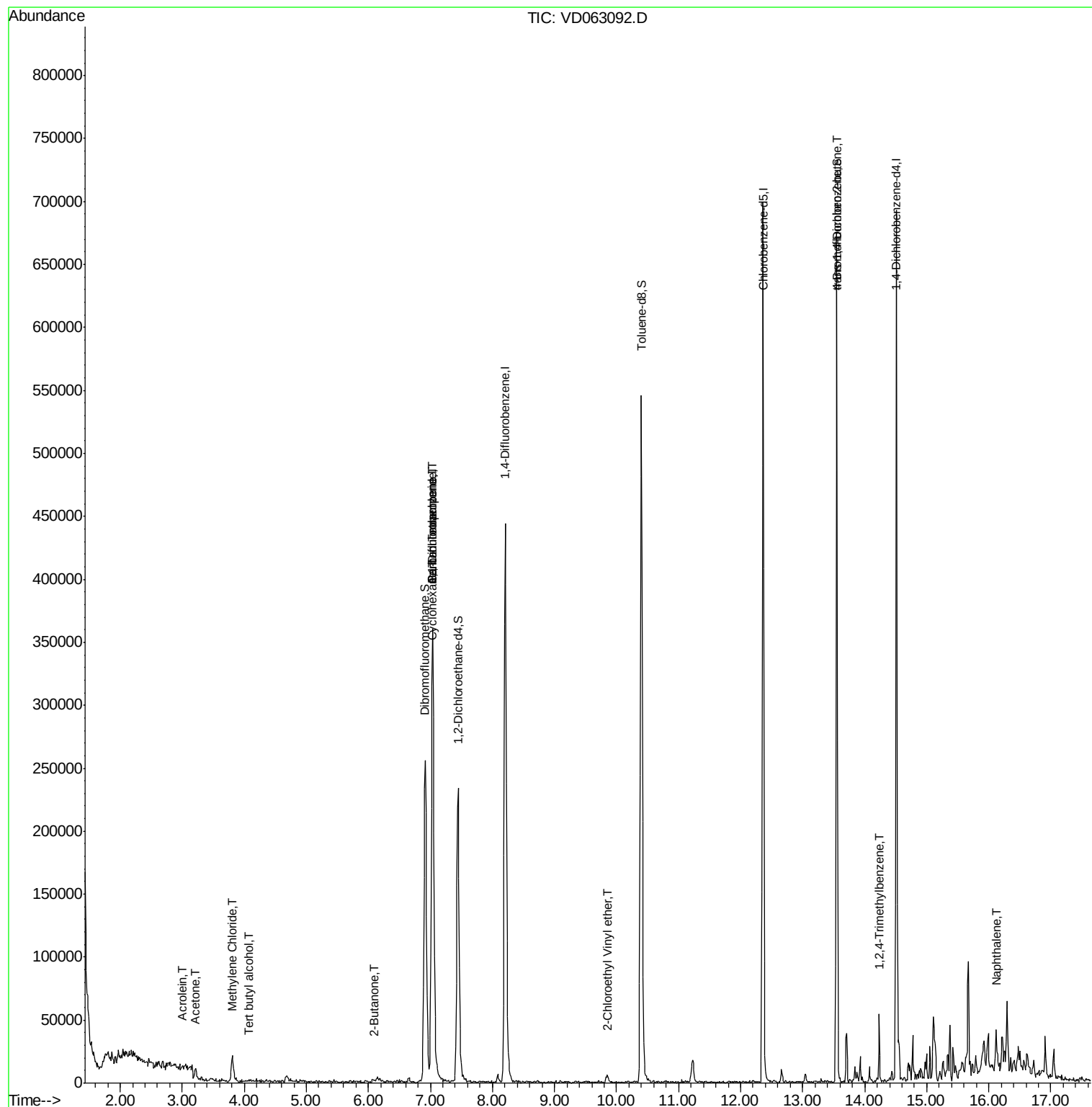
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	319	Below Cal	#	43
3) Chloromethane	1.74	50	184	Below Cal	#	1
5) Bromomethane	2.15	94	1201	Below Cal	#	1
11) Tert butyl alcohol	4.08	59	407	1.599	ug/l #	77
13) Acrolein	3.02	56	341	4.440	ug/l #	17
16) Acetone	3.22	43	13205	12.399	ug/l #	66
18) Methyl Acetate	3.64	43	225	Below Cal	#	63
20) Methylene Chloride	3.81	84	12044	2.993	ug/l	96
25) 2-Butanone	6.09	43	1769	1.739	ug/l #	61
31) Cyclohexane	7.02	56	7304	1.740	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	26959	4.941	ug/l #	47
38) Carbon Tetrachloride	7.03	117	33691	4.064	ug/l #	10
58) 2-Chloroethyl Vinyl ether	9.85	63	3189	1.944	ug/l #	58
81) trans-1,4-Dichloro-2-buten	13.55	75	86226	131.229	ug/l #	1
84) 1,2,4-Trimethylbenzene	14.23	105	23617	2.170	ug/l	99
95) Naphthalene	16.12	128	20294	3.269	ug/l	96

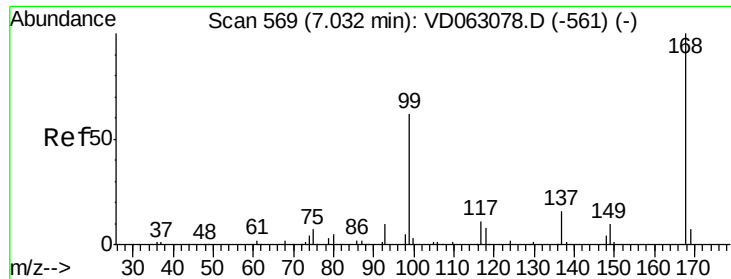
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063092.D

Acq: 15 Jul 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

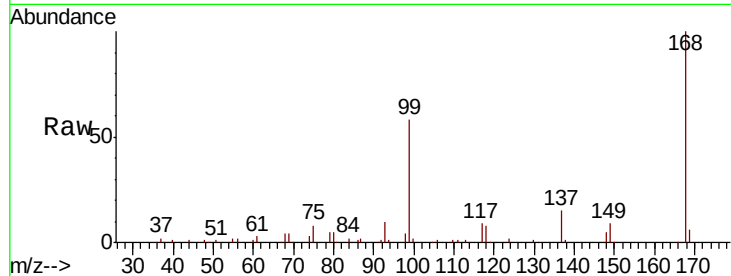
D-3X-ROLL-OFF-DUMPSTER-3

Tot Ion:168 Resp: 353978

Ion Ratio Lower Upper

168 100

99 58.5 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

150000

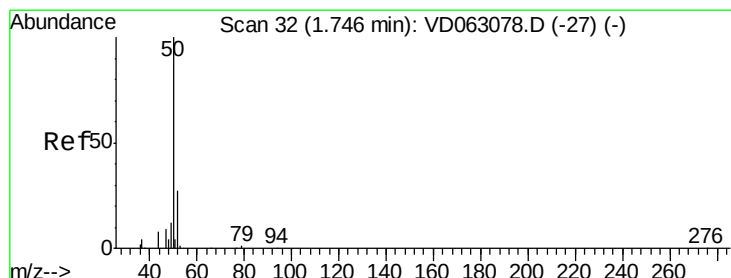
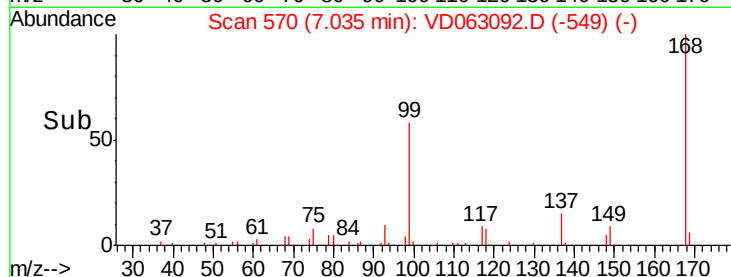
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063092.D

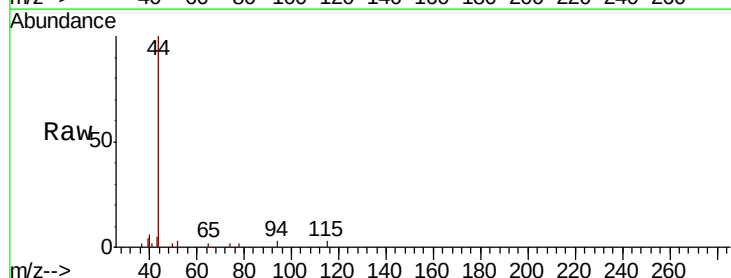
Acq: 15 Jul 2019 20:32

Tgt Ion: 50 Resp: 184

Ion Ratio Lower Upper

50 100

52 123.8 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

400

300

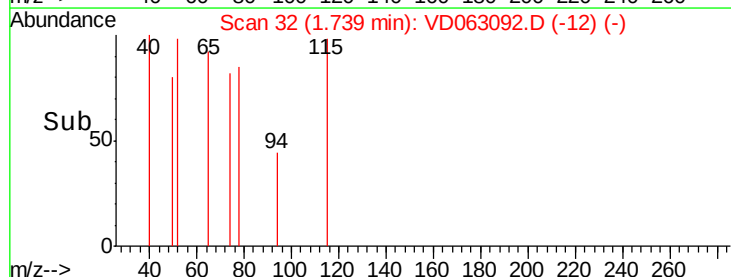
200

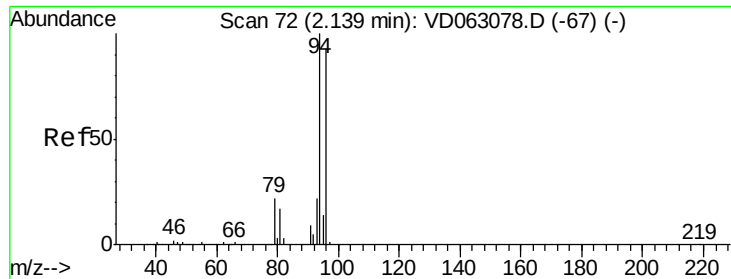
100

0

1.70 1.72 1.74 1.76

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063092.D

Acq: 15 Jul 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

D-3X-ROLL-OFF-DUMPSTER-3

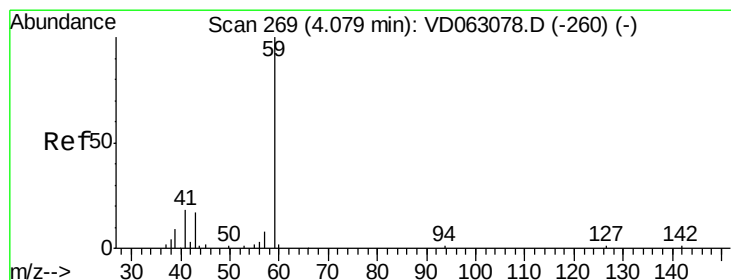
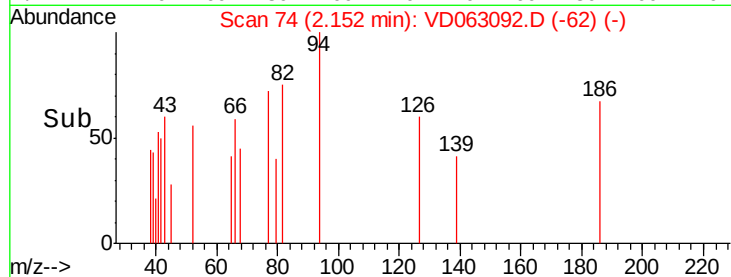
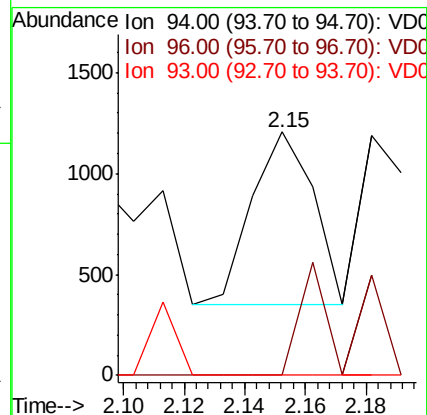
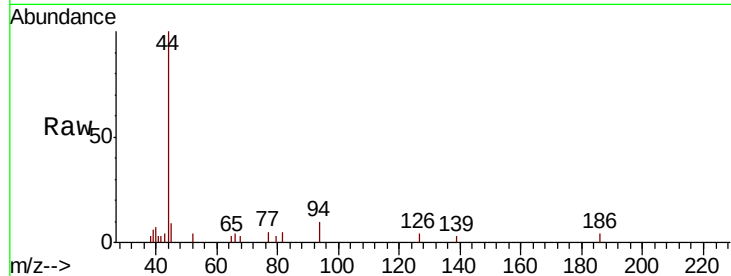
Tot Ion: 94 Resp: 1201

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

93 100.0 17.8 26.6#



#11

Tert butyl alcohol

Concen: 1.599 ug/l

RT: 4.08 min Scan# 270

Delta R.T. 0.00 min

Lab File: VD063092.D

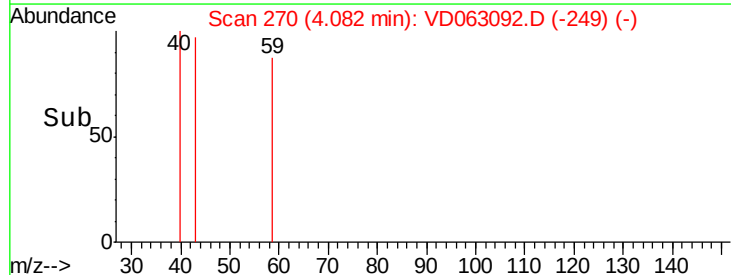
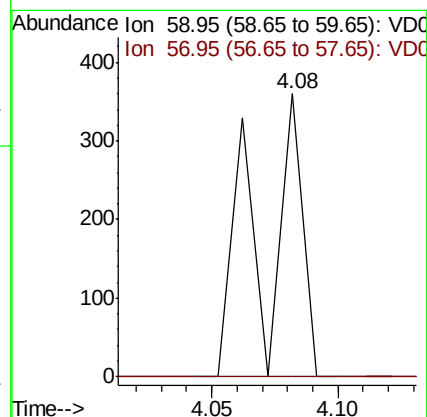
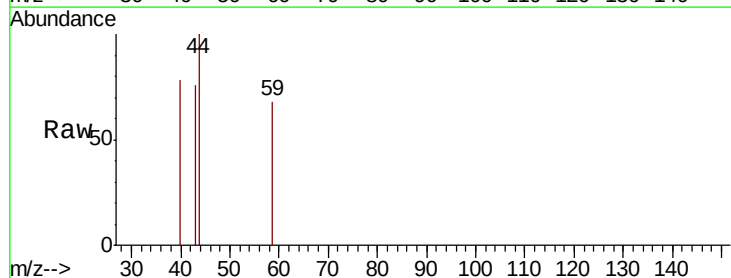
Acq: 15 Jul 2019 20:32

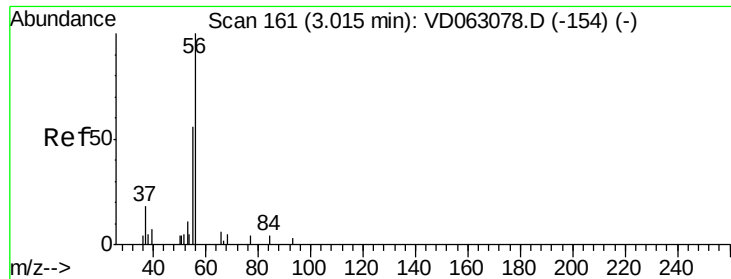
Tgt Ion: 59 Resp: 407

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#





#13

Acrolein

Concen: 4.440 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD063092.D

Acq: 15 Jul 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

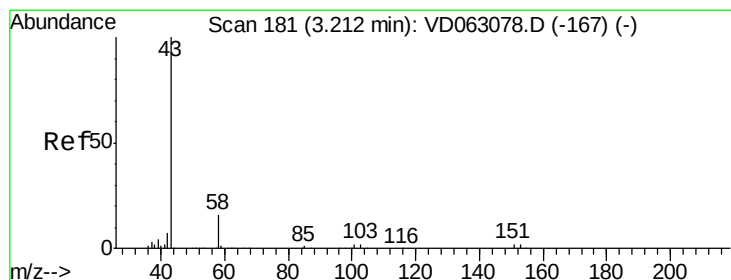
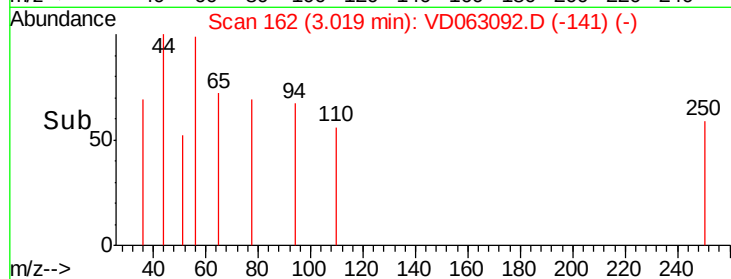
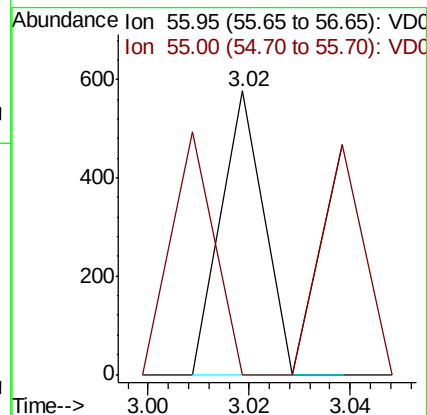
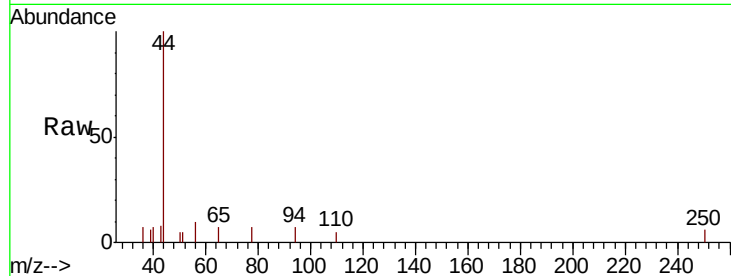
D-3X-ROLL-OFF-DUMPSTER-3

Tot Ion: 56 Resp: 341

Ion Ratio Lower Upper

56 100

55 0.0 53.0 79.4#



#16

Acetone

Concen: 12.399 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063092.D

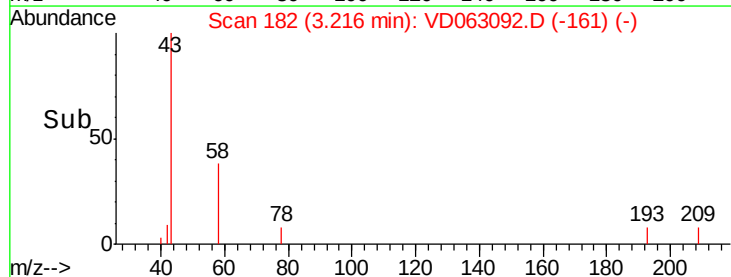
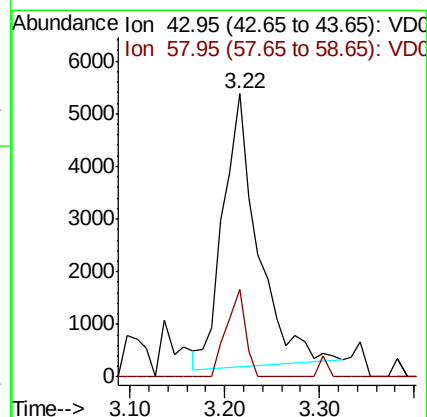
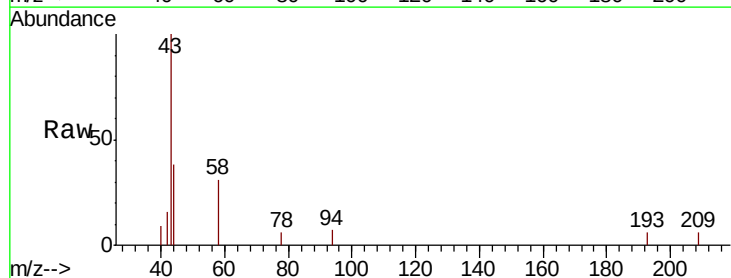
Acq: 15 Jul 2019 20:32

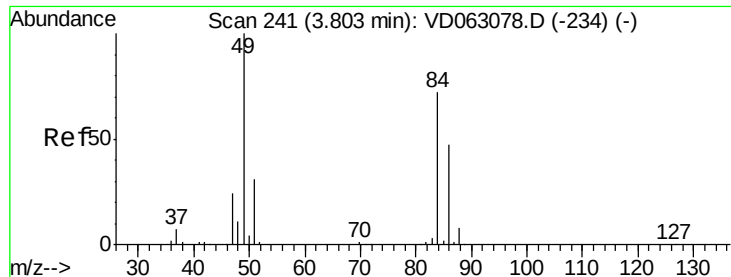
Tgt Ion: 43 Resp: 13205

Ion Ratio Lower Upper

43 100

58 30.7 13.0 19.4#

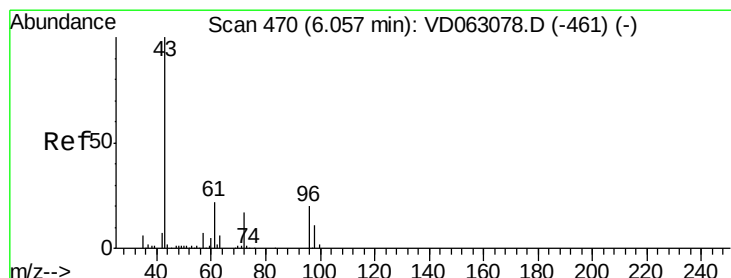
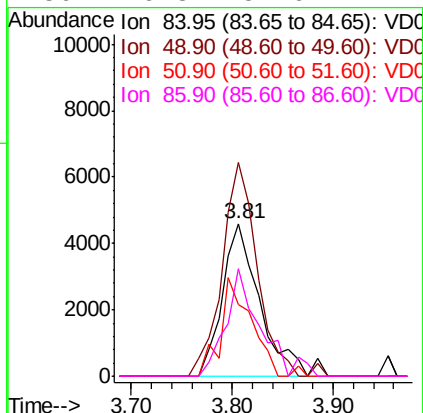
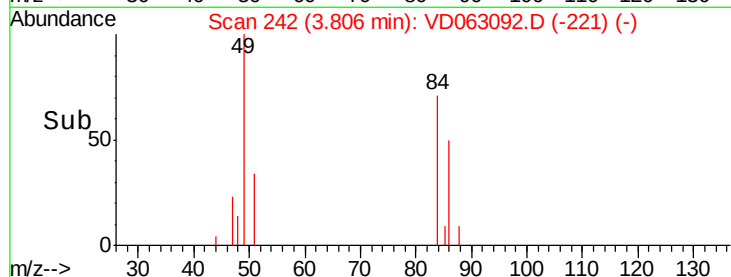
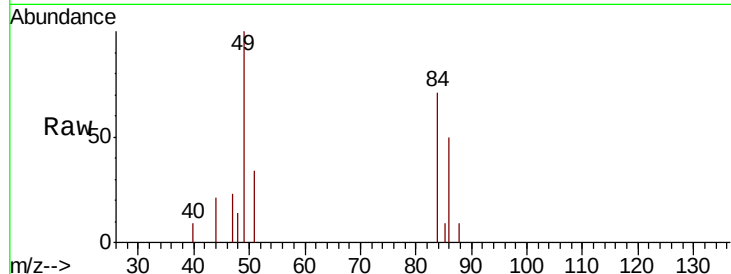




#20
Methylene Chloride
Concen: 2.993 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD063092.D
Acq: 15 Jul 2019 20:32

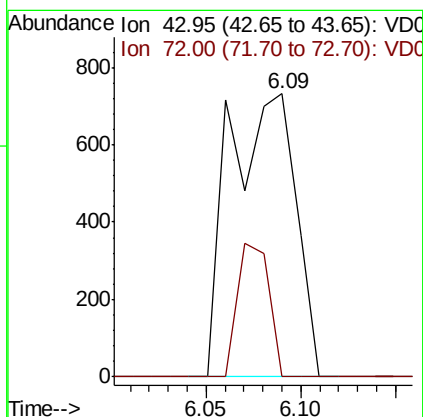
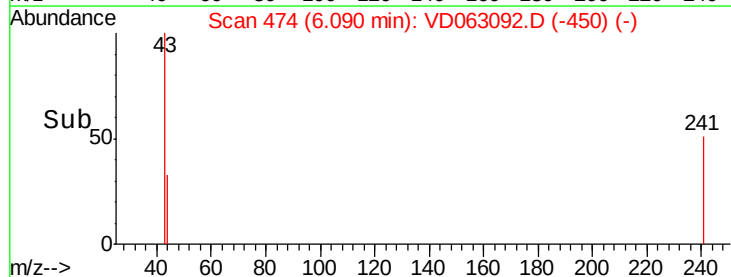
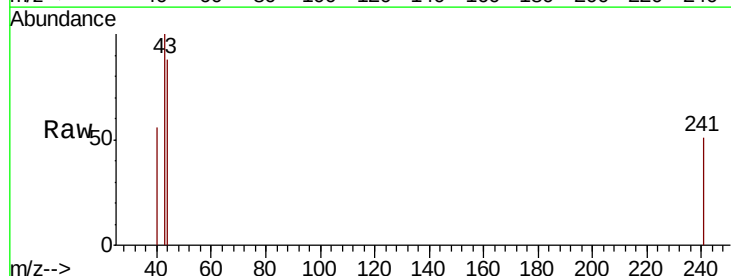
Instrument :
MSVOA_D
ClientSampleId :
D-3X-ROLL-OFF-DUMPSTER-3

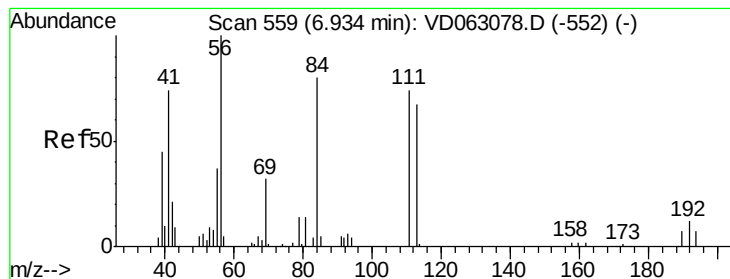
Tot Ion: 84 Resp: 12044
Ion Ratio Lower Upper
84 100
49 140.1 110.5 165.7
51 47.1 34.6 51.8
86 70.8 51.6 77.4



#25
2-Butanone
Concen: 1.739 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.03 min
Lab File: VD063092.D
Acq: 15 Jul 2019 20:32

Tgt Ion: 43 Resp: 1769
Ion Ratio Lower Upper
43 100
72 0.0 13.4 20.0#





#31

Cyclohexane

Concen: 1.740 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.08 min

Lab File: VD063092.D

Acq: 15 Jul 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

D-3X-ROLL-OFF-DUMPSTER-3

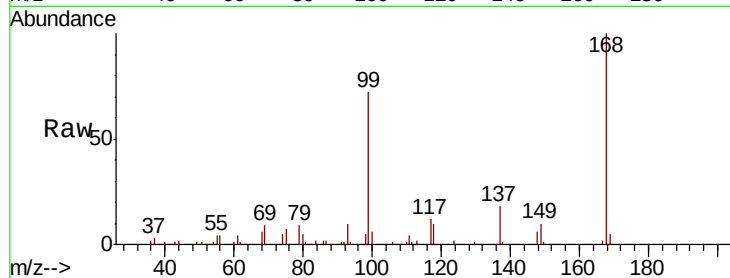
Tot Ion: 56 Resp: 7304

Ion Ratio Lower Upper

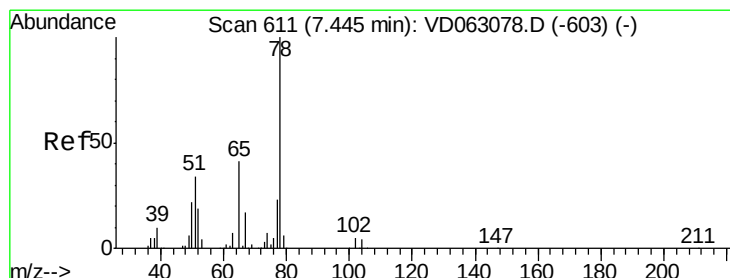
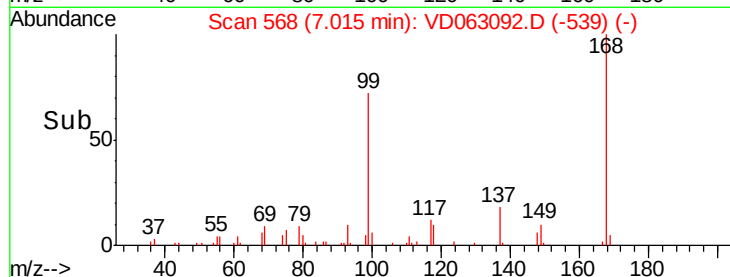
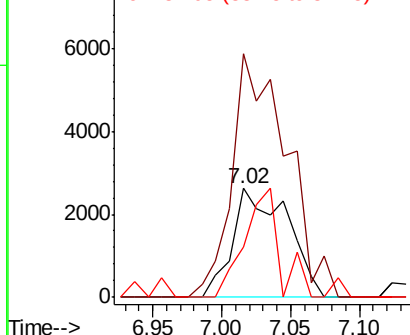
56 100

69 224.0 25.3 37.9#

84 45.9 64.2 96.4#



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: 62.100 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD063092.D

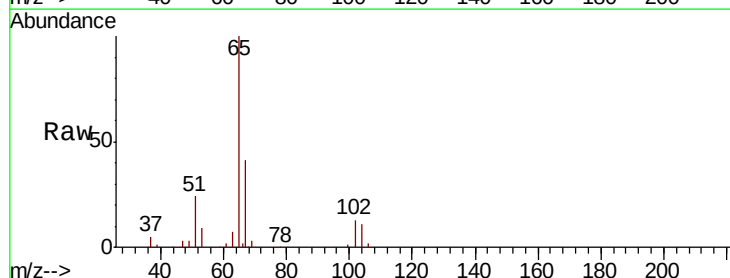
Acq: 15 Jul 2019 20:32

Tgt Ion: 65 Resp: 273828

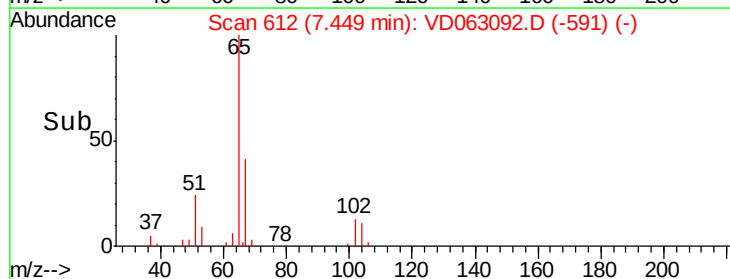
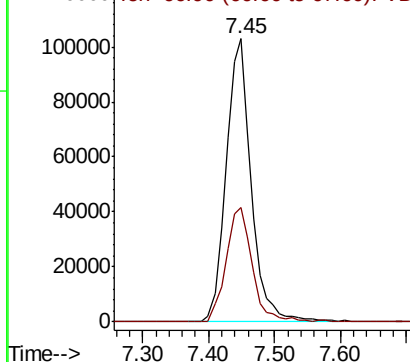
Ion Ratio Lower Upper

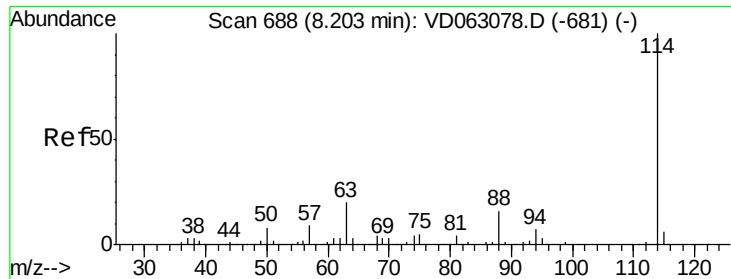
65 100

67 40.6 0.0 86.0



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

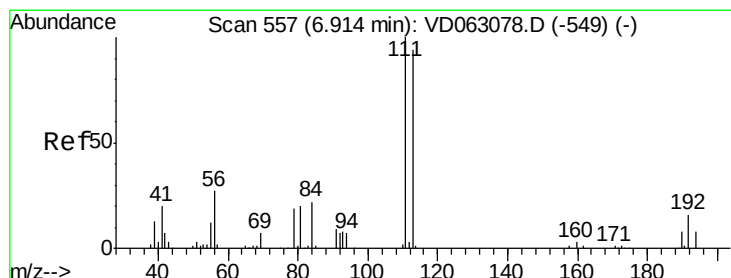
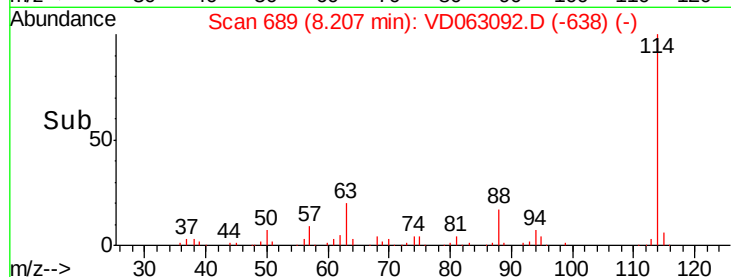
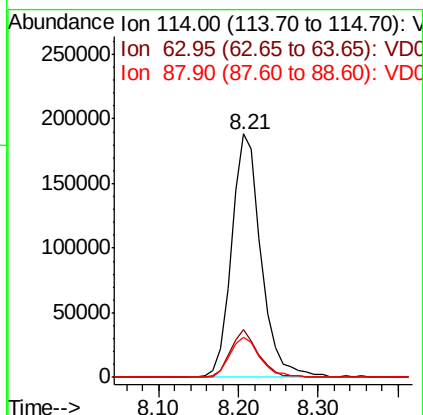
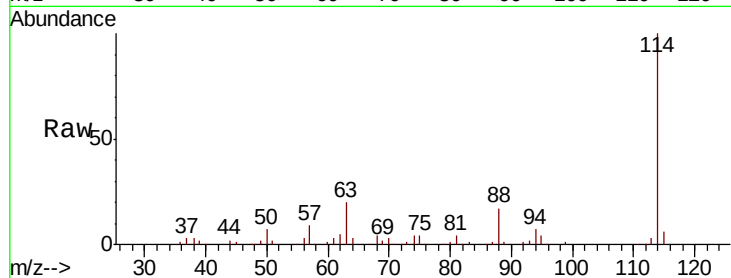




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063092.D
 Acq: 15 Jul 2019 20:32

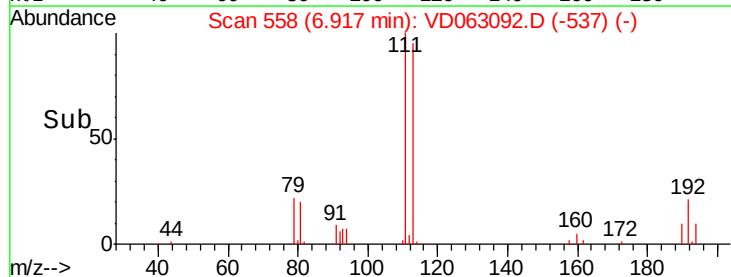
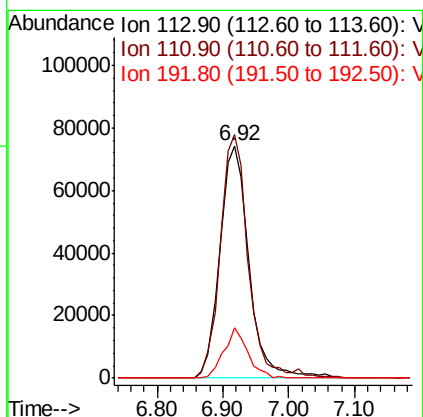
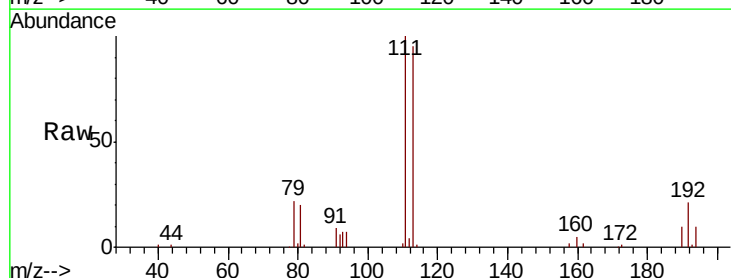
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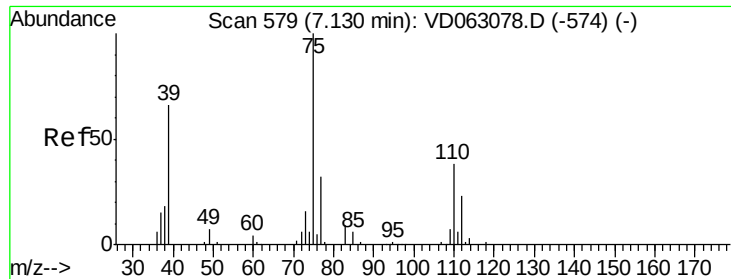
Tot Ion:114 Resp: 485107
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.6
 88 16.6 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 47.407 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD063092.D
 Acq: 15 Jul 2019 20:32

Tgt Ion:113 Resp: 229058
 Ion Ratio Lower Upper
 113 100
 111 104.7 84.8 127.2
 192 21.8 13.4 20.0#

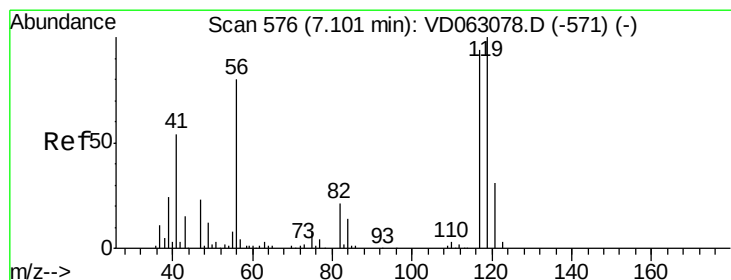
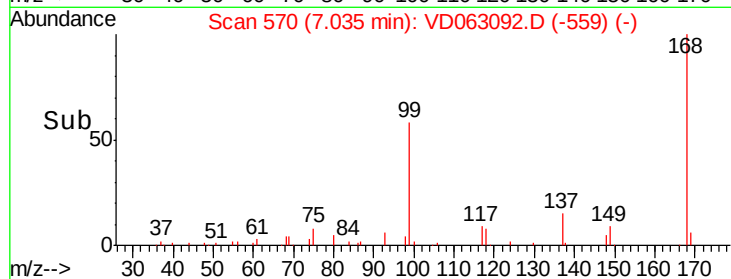
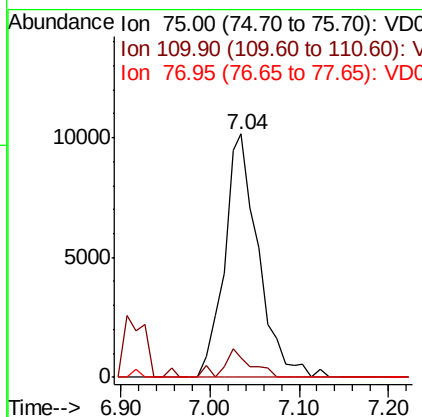
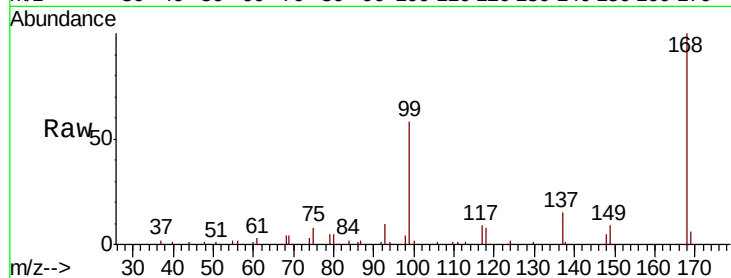




#36
 1,1-Dichloropropene
 Concen: 4.941 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD063092.D
 Acq: 15 Jul 2019 20:32

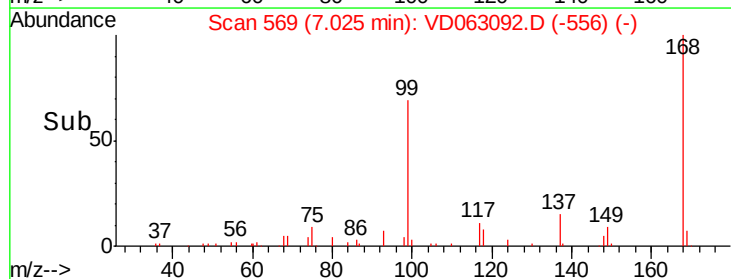
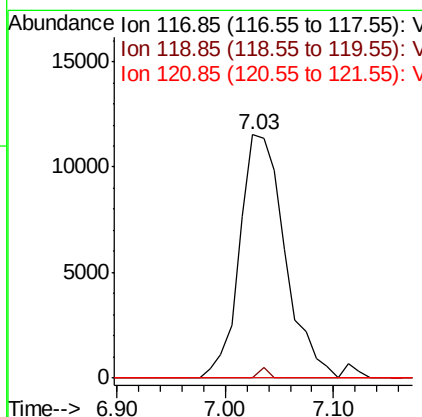
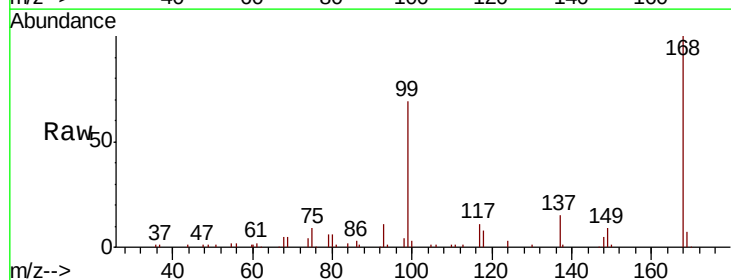
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 D-3X-ROLL-OFF-DUMPSTER-3

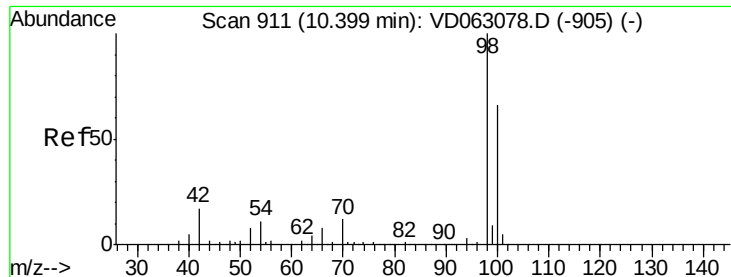
Tot Ion	75	110	77	Resp	Lower	Upper
75	100			26959		
110	7.8	18.9		56.5#		
77	0.0	25.2		37.8#		



#38
 Carbon Tetrachloride
 Concen: 4.064 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.08 min
 Lab File: VD063092.D
 Acq: 15 Jul 2019 20:32

Tgt Ion	117	119	121	Resp	Lower	Upper
117	100			33691		
119	0.0	80.0		120.0#		
121	0.0	25.0		37.4#		





#50

Toluene-d8

Concen: 44.091 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063092.D

Acq: 15 Jul 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

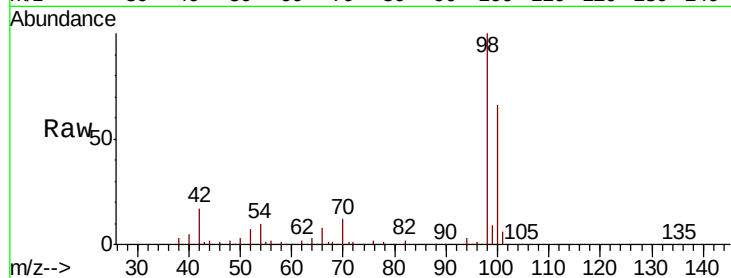
D-3X-ROLL-OFF-DUMPSTER-3

Tot Ion: 98 Resp: 457612

Ion Ratio Lower Upper

98 100

100 66.0 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VD063078.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD063078.D (-905) (-)

10.40

200000

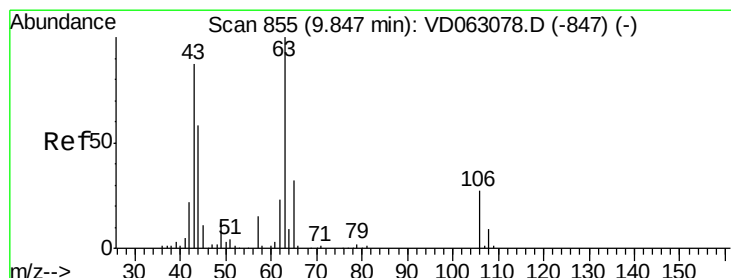
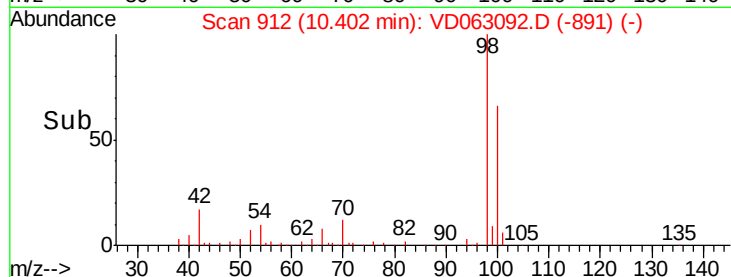
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.944 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD063092.D

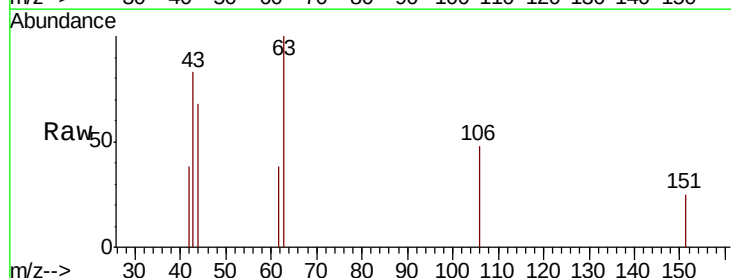
Acq: 15 Jul 2019 20:32

Tgt Ion: 63 Resp: 3189

Ion Ratio Lower Upper

63 100

106 48.0 21.3 31.9#



Abundance Ion 62.95 (62.65 to 63.65): VD063078.D (-847) (-)

Ion 105.95 (105.65 to 106.65): VD063078.D (-847) (-)

9.85

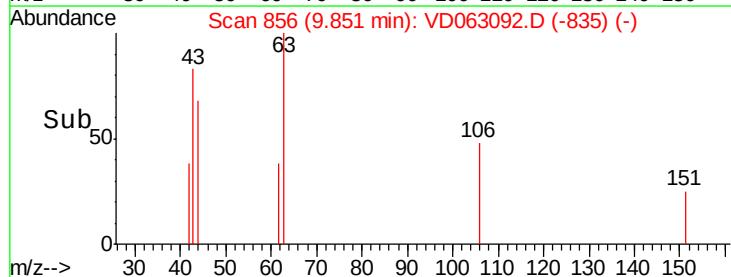
1500

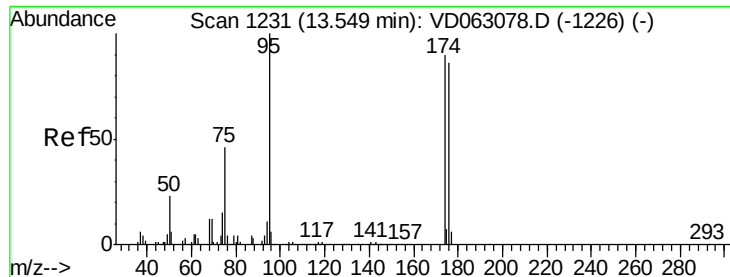
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 39.209 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063092.D

Acq: 15 Jul 2019 20:32

Instrument :

MSVOA_D

ClientSampleId :

D-3X-ROLL-OFF-DUMPSTER-3

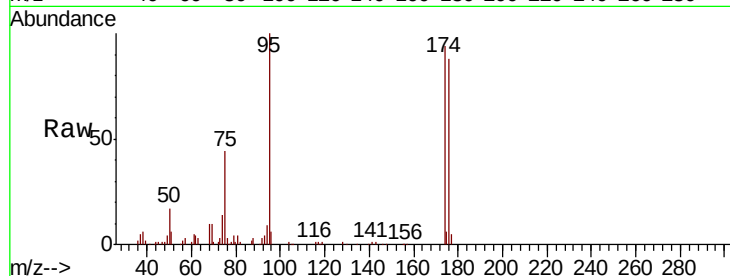
Tot Ion: 95 Resp: 188264

Ion Ratio Lower Upper

95 100

174 94.0 0.0 180.6

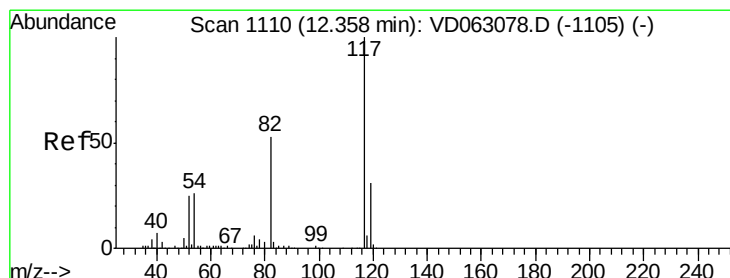
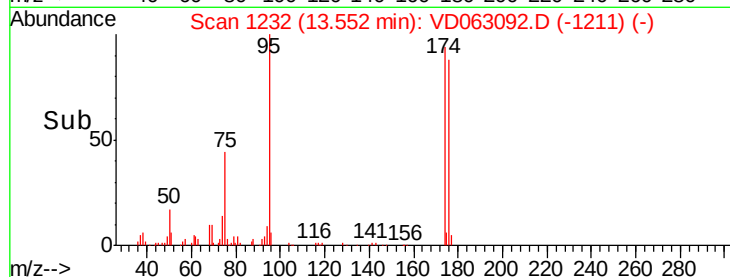
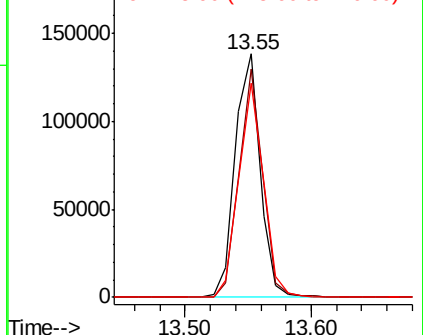
176 87.8 0.0 172.2



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: VD063092.D

Acq: 15 Jul 2019 20:32

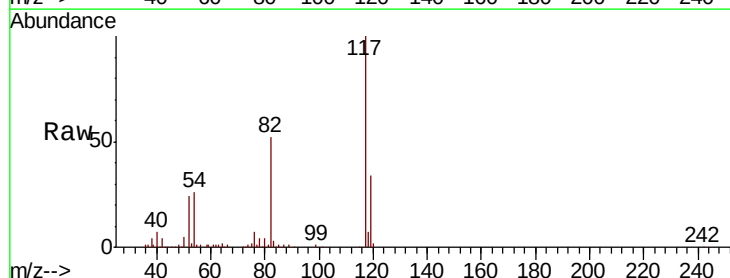
Tgt Ion: 117 Resp: 365004

Ion Ratio Lower Upper

117 100

82 52.0 42.3 63.5

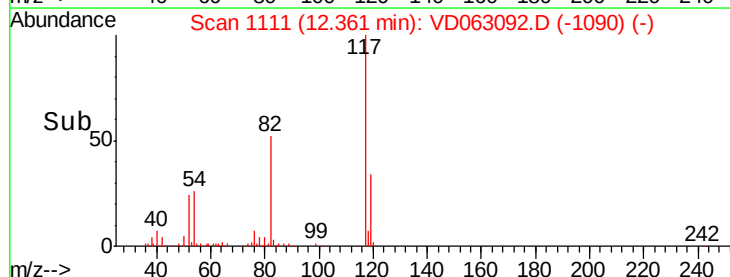
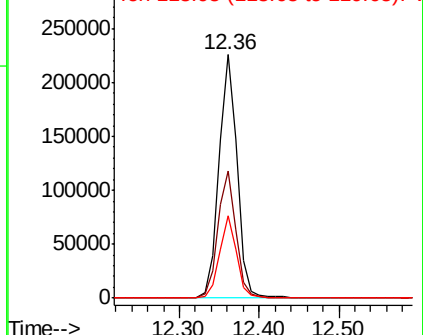
119 33.7 25.2 37.8

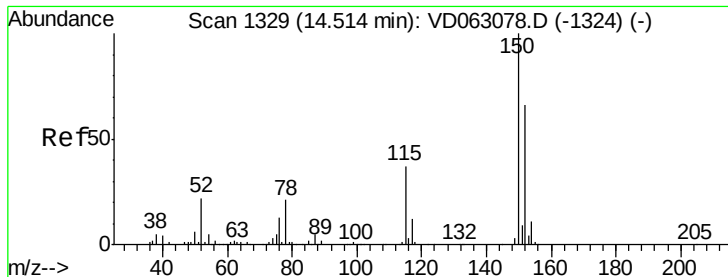


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

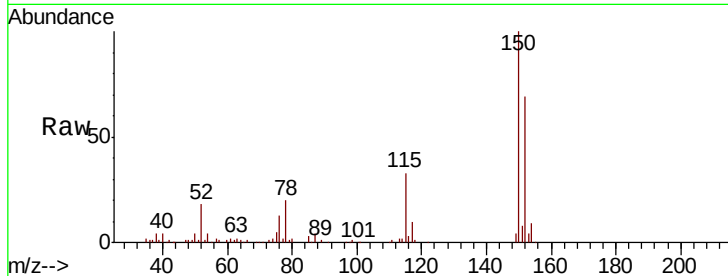




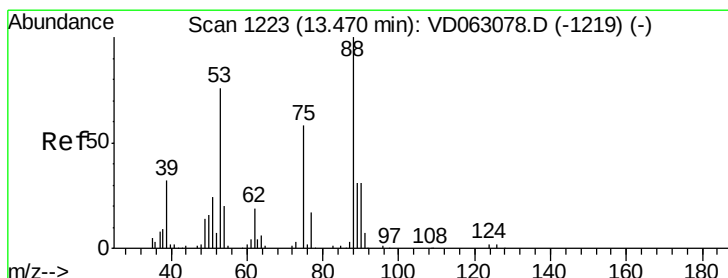
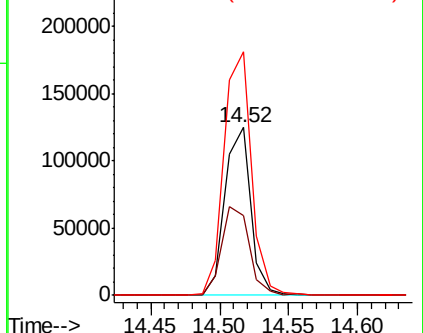
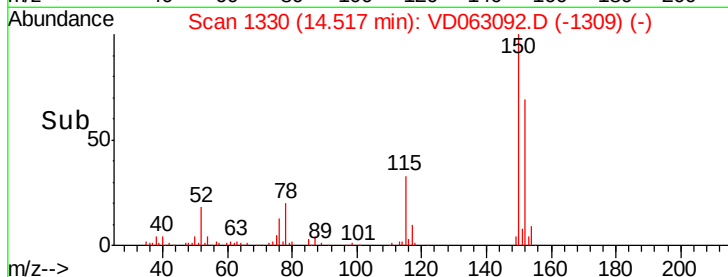
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD063092.D
 Acq: 15 Jul 2019 20:32

Instrument :
 MSVOA_D
 ClientSampleId :
 D-3X-ROLL-OFF-DUMPSTER-3

Tot Ion:152 Resp: 162203
 Ion Ratio Lower Upper
 152 100
 115 48.0 28.9 86.8
 150 145.3 0.0 313.8

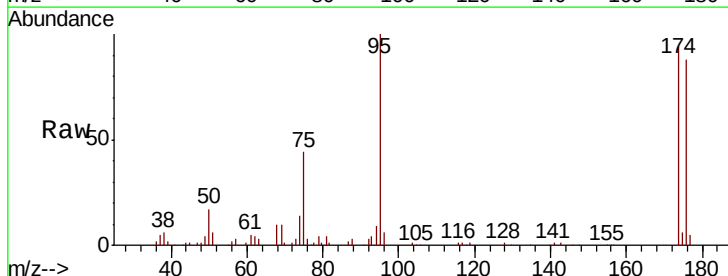


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

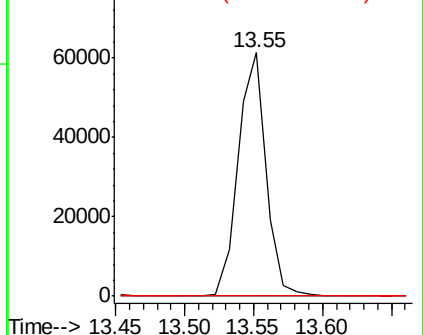
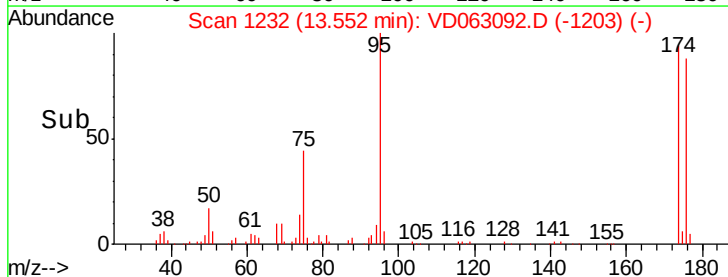


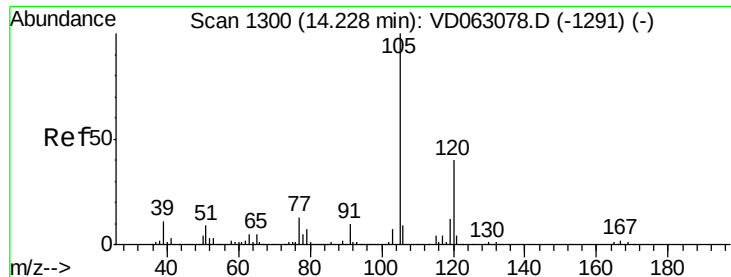
#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.229 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD063092.D
 Acq: 15 Jul 2019 20:32

Tgt Ion: 75 Resp: 86226
 Ion Ratio Lower Upper
 75 100
 53 0.0 104.4 156.6#
 89 0.0 43.1 64.7#



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

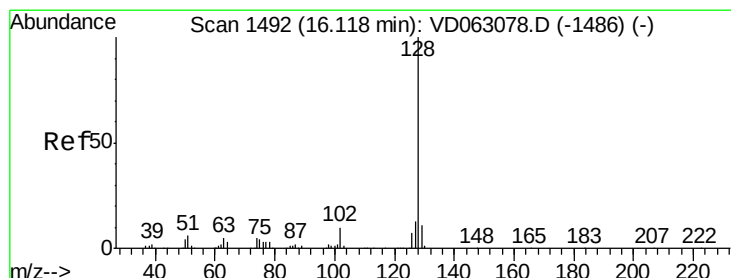
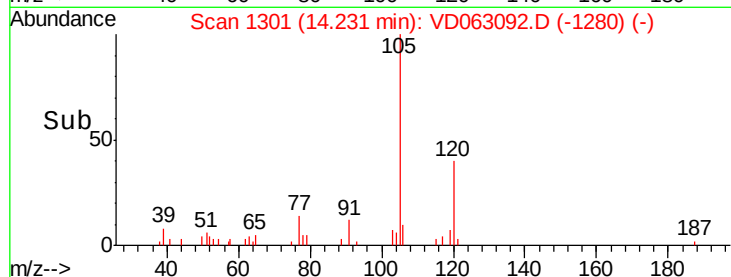
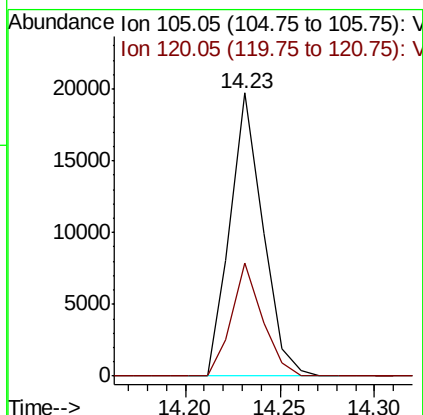
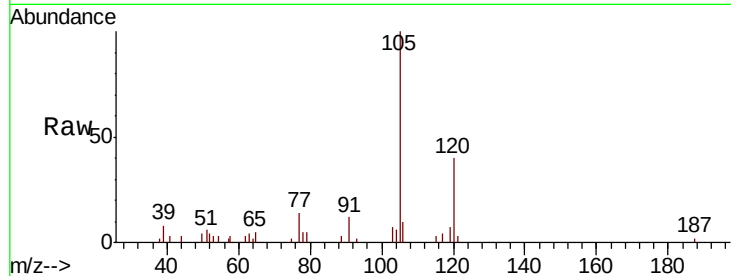




#84
 1,2,4-Trimethylbenzene
 Concen: 2.170 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063092.D
 Acq: 15 Jul 2019 20:32

Instrument :
 MSVOA_D
 ClientSampleId :
 D-3X-ROLL-OFF-DUMPSTER-3

Tot Ion:105 Resp: 23617
 Ion Ratio Lower Upper
 105 100
 120 40.0 20.2 60.6



#95
 Naphthalene
 Concen: 3.269 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD063092.D
 Acq: 15 Jul 2019 20:32

Tgt Ion:128 Resp: 20294
 Ion Ratio Lower Upper
 128 100
 127 11.6 10.7 16.1
 129 12.1 8.7 13.1

