

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD071219\
 Data File : VD063071.D
 Acq On : 12 Jul 2019 15:26
 Operator : VA/AP
 Sample : K3775-01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jul 12 15:49:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	810049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1050496	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	811989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	330602	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	444752	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.02%		
35) Dibromofluoromethane	6.94	113	469285	52.98	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.96%		
50) Toluene-d8	10.42	98	928358	48.16	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.32%		
62) 4-Bromofluorobenzene	13.56	95	326887	37.29	ug/l	0.00
Spiked Amount 50.000			Recovery =	74.58%		

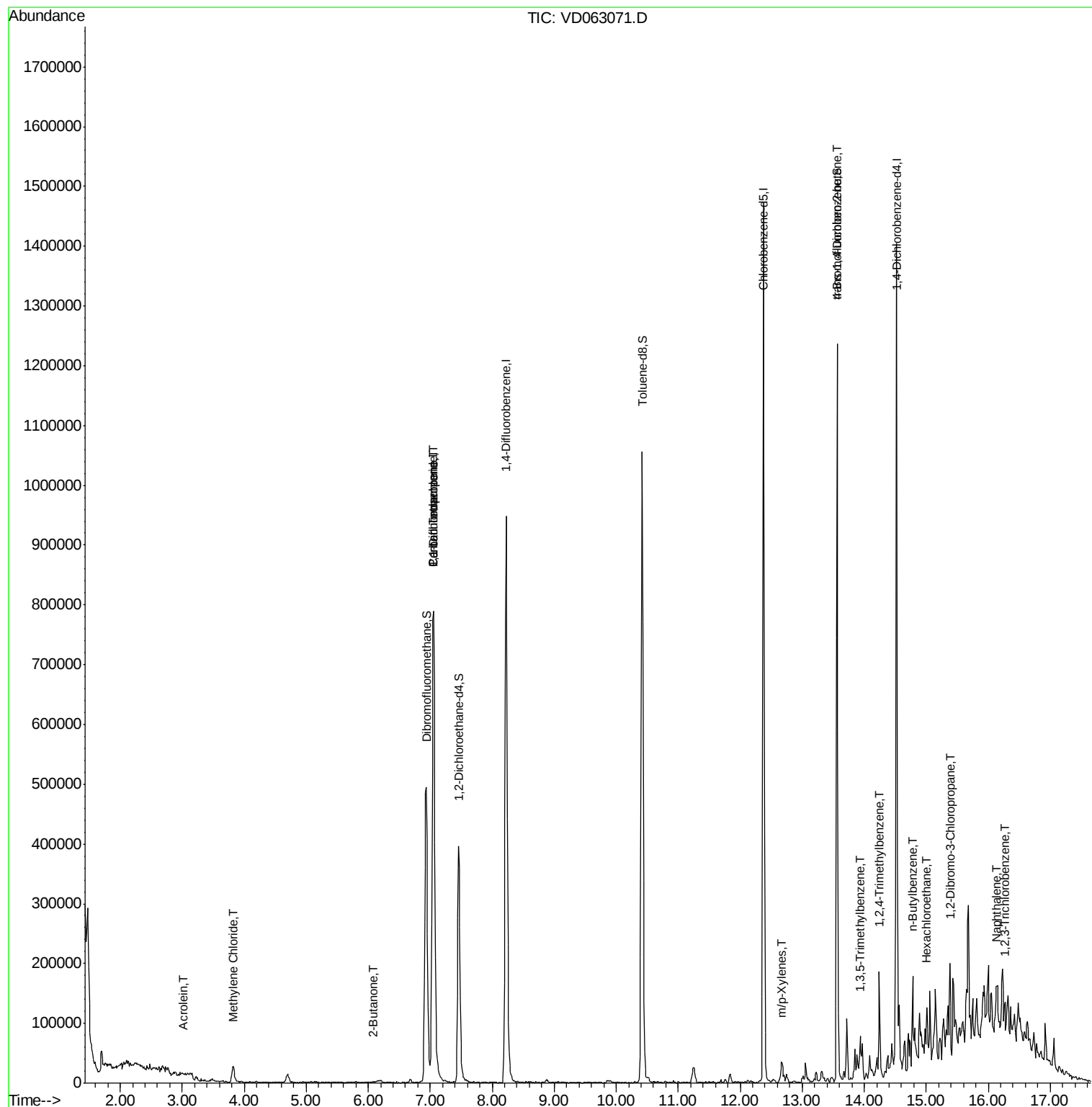
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.03	56	500	1.221	ug/l #	15
16) Acetone	3.23	43	11598	Below Cal	#	84
20) Methylene Chloride	3.83	84	16624	2.476	ug/l #	85
25) 2-Butanone	6.07	43	2195	1.333	ug/l #	64
36) 1,1-Dichloropropene	7.05	75	60641	6.098	ug/l #	53
37) Ethyl Acetate	6.20	43	246	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	79406	5.309	ug/l #	16
68) m/p-Xylenes	12.68	106	10216	1.084	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	25288	1.420	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.56	75	149761	149.722	ug/l #	2
84) 1,2,4-Trimethylbenzene	14.24	105	65352	3.581	ug/l	92
89) n-Butylbenzene	14.78	91	20332	1.101	ug/l #	1
90) Hexachloroethane	15.01	117	6089	1.148	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	15.38	75	1392	2.065	ug/l #	14
95) Naphthalene	16.13	128	37560	3.923	ug/l #	91
96) 1,2,3-Trichlorobenzene	16.28	180	5282	1.006	ug/l #	7

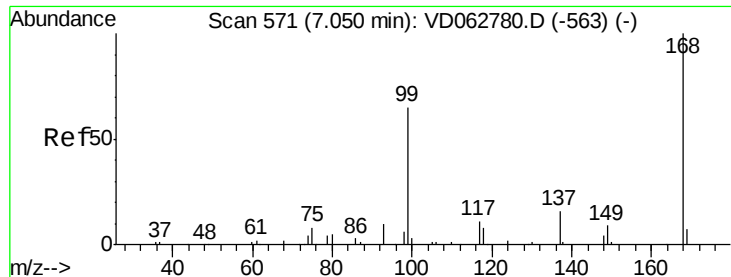
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063071.D

Acq: 12 Jul 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

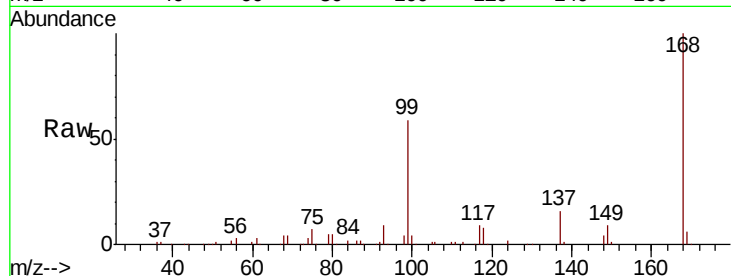
D-3X-ROLL-OFF-DUMPSTER-3

Tgt Ion:168 Resp: 810049

Ion Ratio Lower Upper

168 100

99 59.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

250000

200000

150000

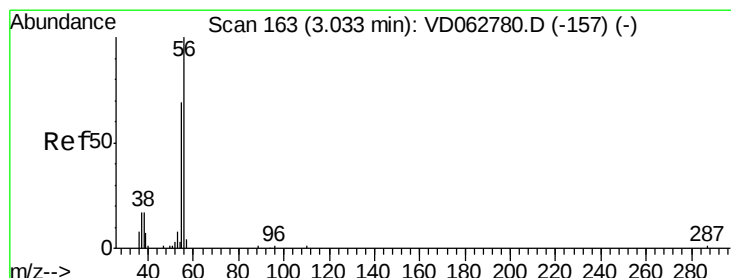
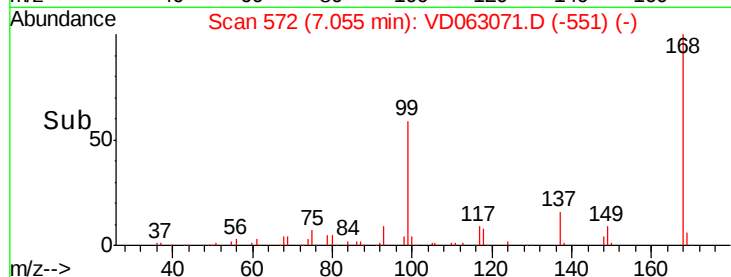
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#13

Acrolein

Concen: 1.221 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063071.D

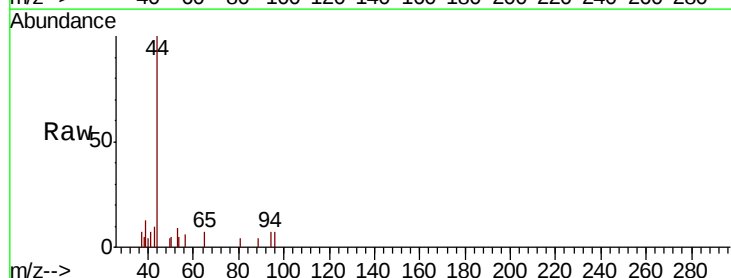
Acq: 12 Jul 2019 15:26

Tgt Ion: 56 Resp: 500

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

800

600

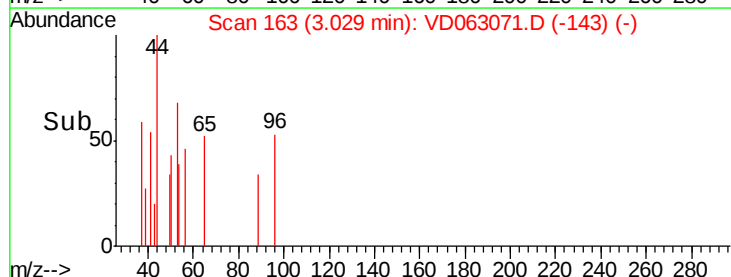
400

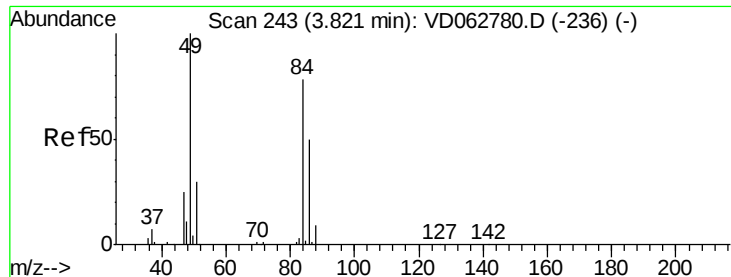
200

0

Time-->

3.00 3.02 3.04 3.06

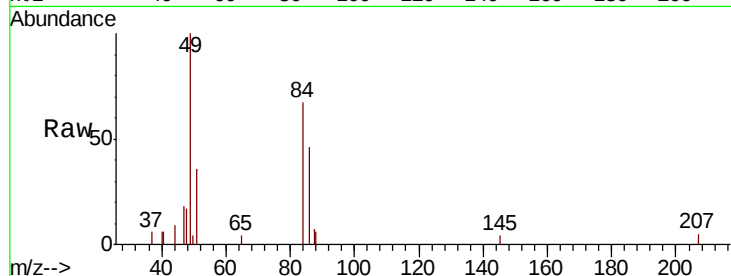




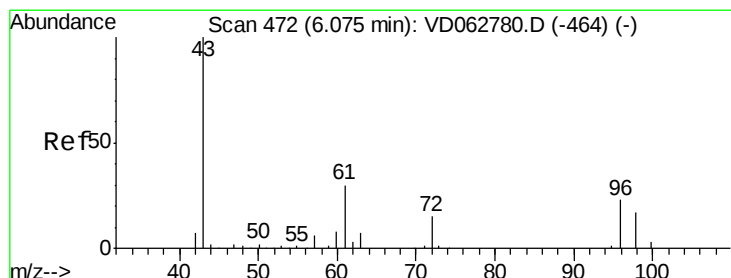
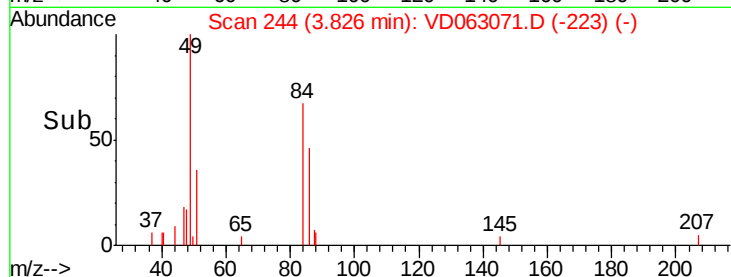
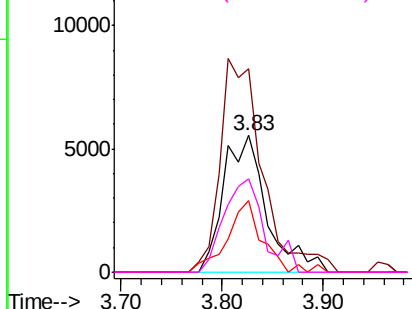
#20
Methylene Chloride
Concen: 2.476 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD063071.D
Acq: 12 Jul 2019 15:26

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

Tgt Ion: 84 Resp: 16624
Ion Ratio Lower Upper
84 100
49 148.4 102.9 154.3
51 52.7 31.2 46.8#
86 68.0 51.4 77.2

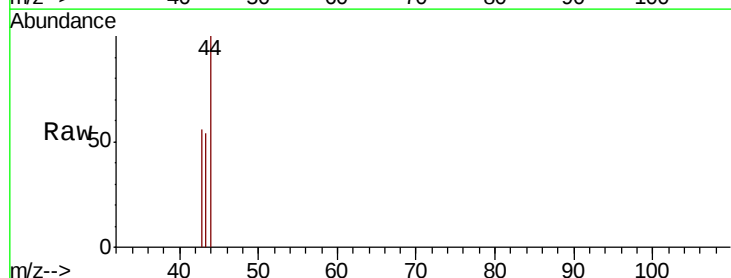


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

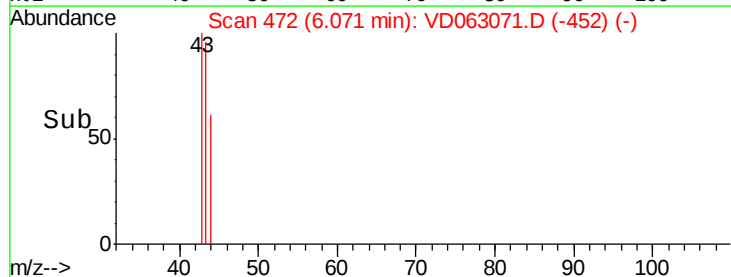
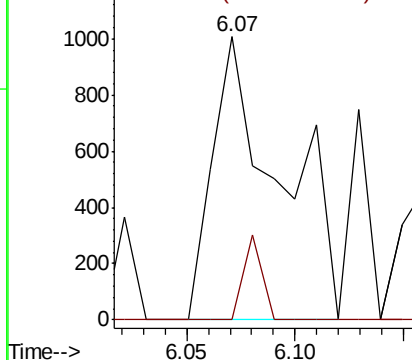


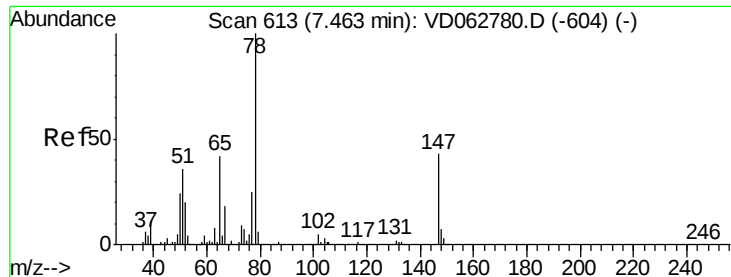
#25
2-Butanone
Concen: 1.333 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.00 min
Lab File: VD063071.D
Acq: 12 Jul 2019 15:26

Tgt Ion: 43 Resp: 2195
Ion Ratio Lower Upper
43 100
72 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.511 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063071.D

Acq: 12 Jul 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

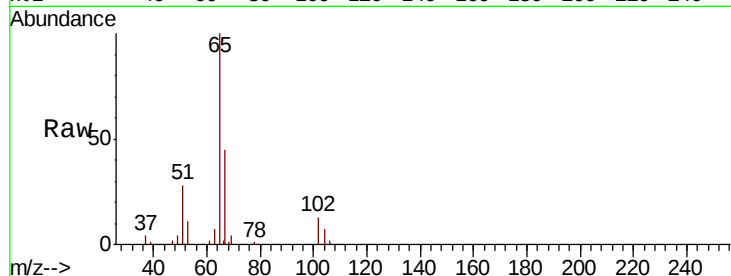
D-3X-ROLL-OFF-DUMPSTER-3

Tgt Ion: 65 Resp: 444752

Ion Ratio Lower Upper

65 100

67 44.7 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

150000

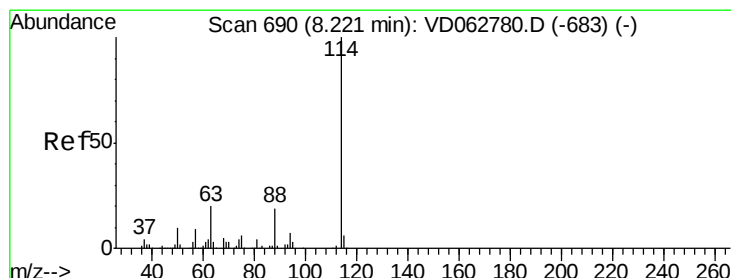
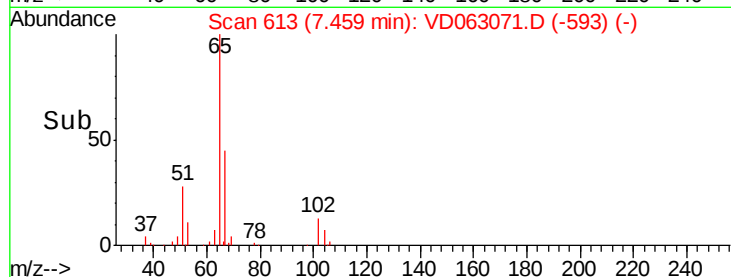
100000

50000

0

Time-->

7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD063071.D

Acq: 12 Jul 2019 15:26

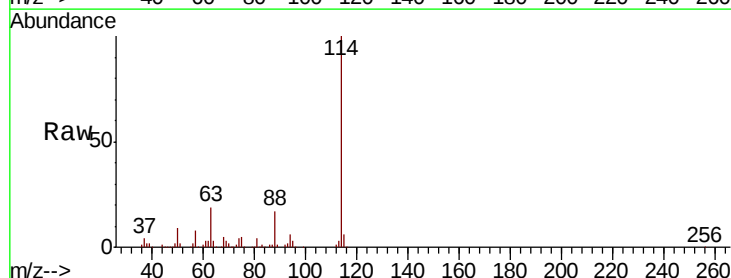
Tgt Ion: 114 Resp: 1050496

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 17.0 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

500000

400000

300000

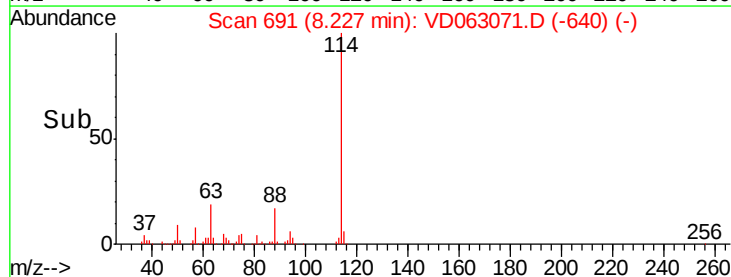
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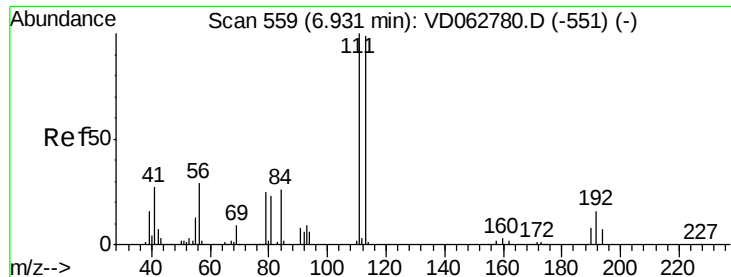
100000

0

Time-->

8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 52.980 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD063071.D

Acq: 12 Jul 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

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

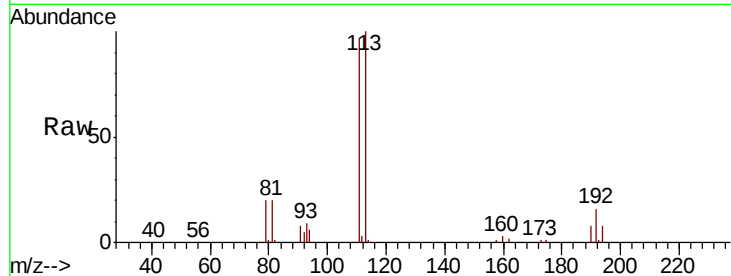
Tgt Ion:113 Resp: 469285

Ion Ratio Lower Upper

113 100

111 97.3 81.2 121.8

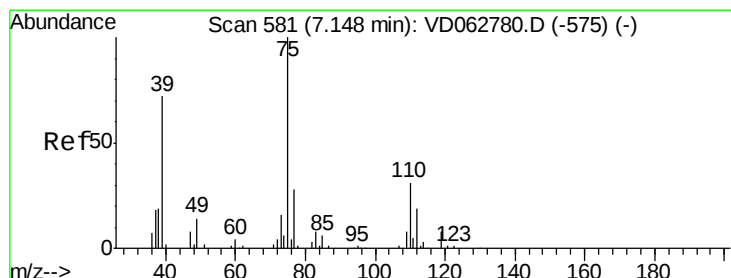
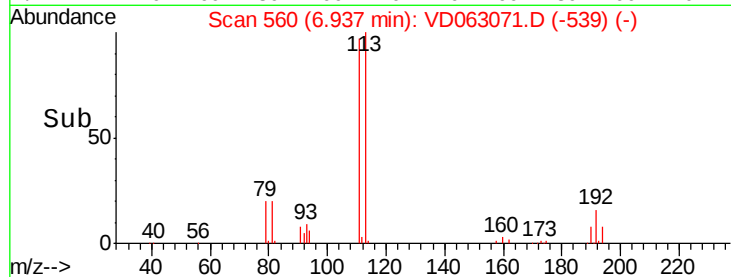
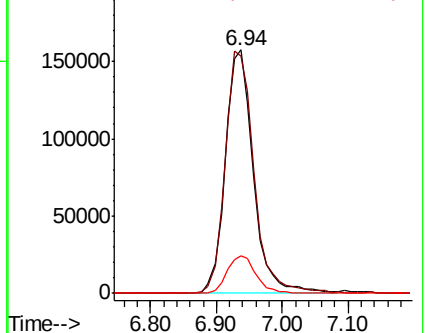
192 15.6 12.9 19.3



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: 6.098 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD063071.D

Acq: 12 Jul 2019 15:26

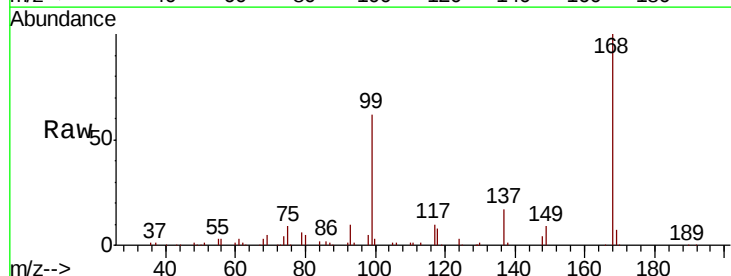
Tgt Ion: 75 Resp: 60641

Ion Ratio Lower Upper

75 100

110 7.4 15.0 45.1#

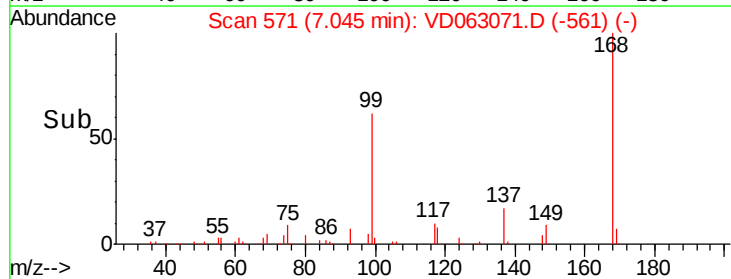
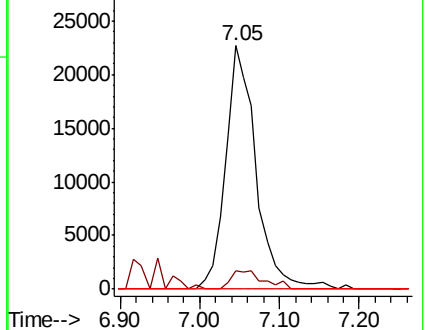
77 0.0 22.2 33.2#

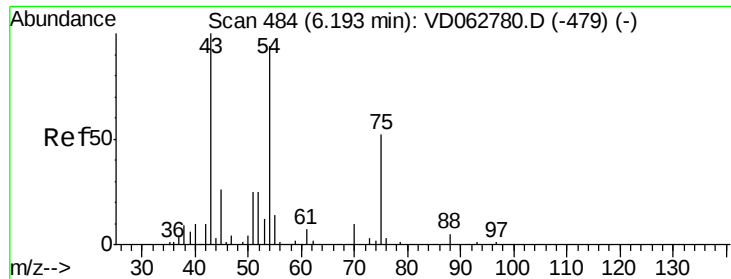


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

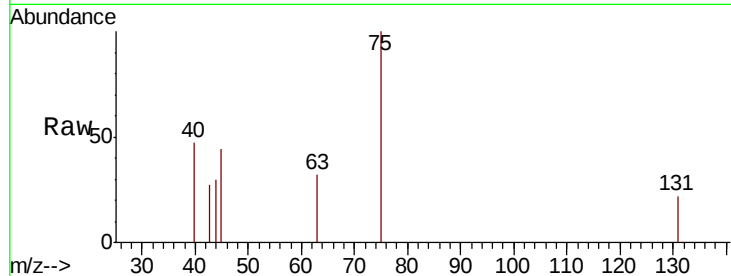




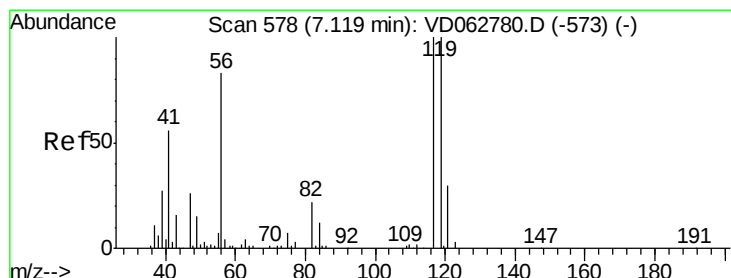
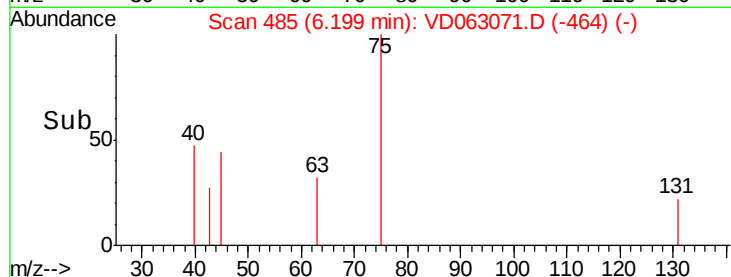
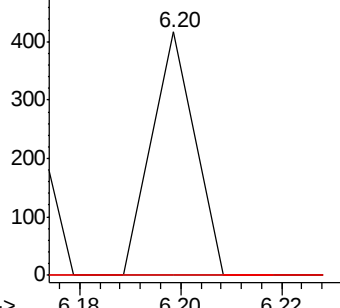
#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 6.20 min Scan# 485
 Delta R.T. 0.01 min
 Lab File: VD063071.D
 Acq: 12 Jul 2019 15:26

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

Tgt Ion: 43 Resp: 246
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.6 17.4#
 70 0.0 6.4 9.6#

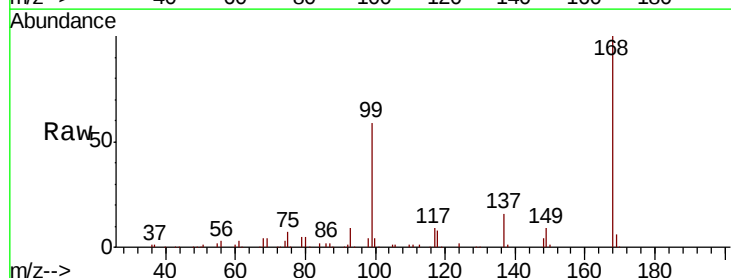


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

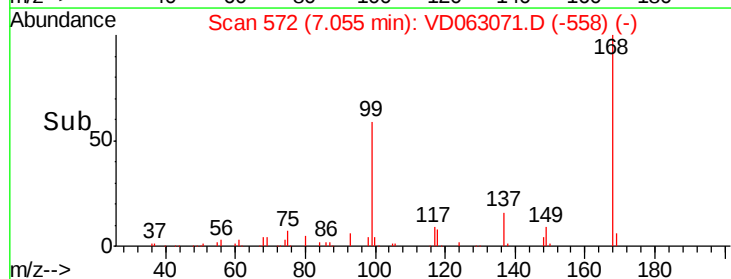
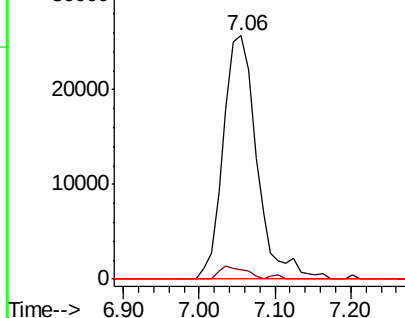


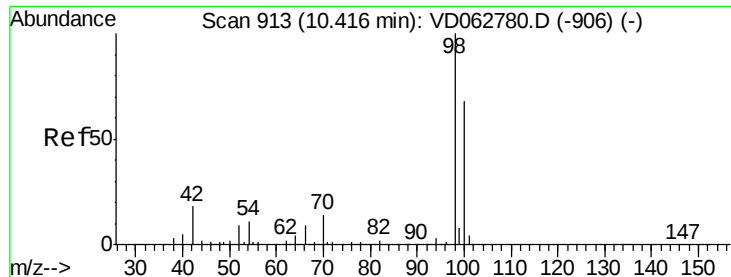
#38
 Carbon Tetrachloride
 Concen: 5.309 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD063071.D
 Acq: 12 Jul 2019 15:26

Tgt Ion: 117 Resp: 79406
 Ion Ratio Lower Upper
 117 100
 119 4.1 75.4 113.2#
 121 0.0 22.3 33.5#



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

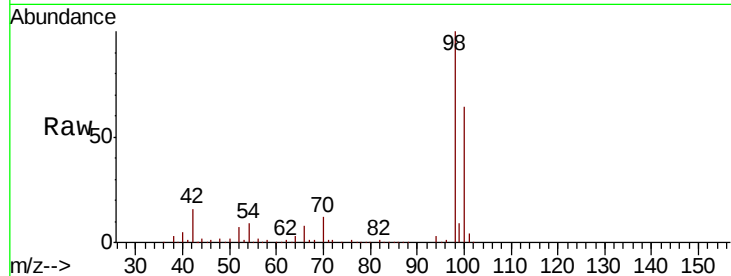




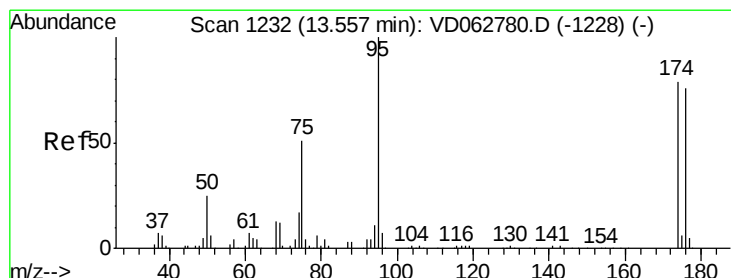
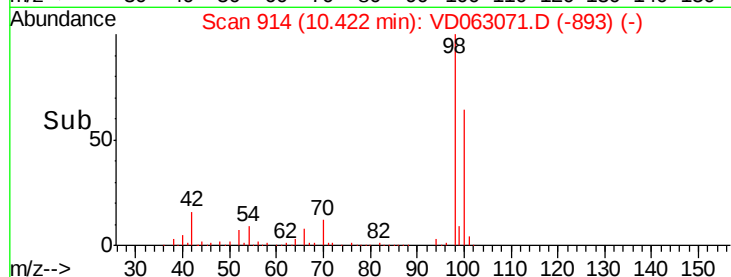
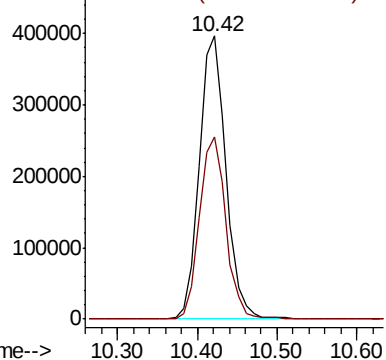
#50
Toluene-d8
Concen: 48.155 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD063071.D
Acq: 12 Jul 2019 15:26

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

Tgt Ion: 98 Resp: 928358
Ion Ratio Lower Upper
98 100
100 64.5 54.7 82.1

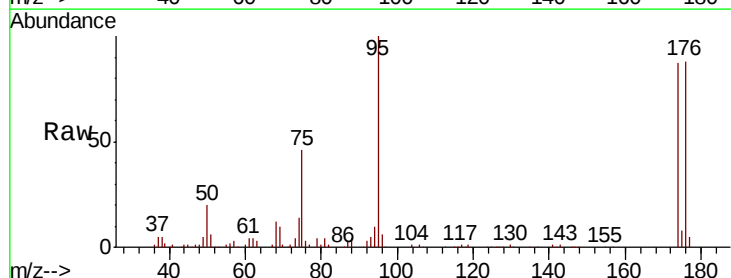


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

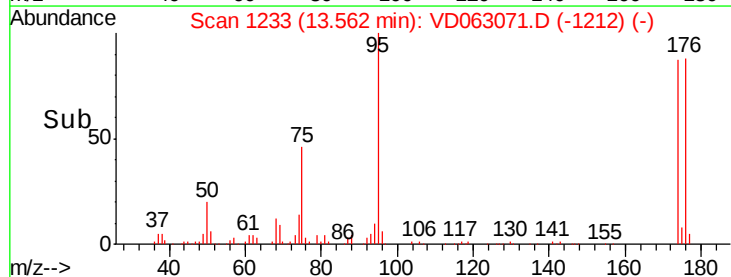
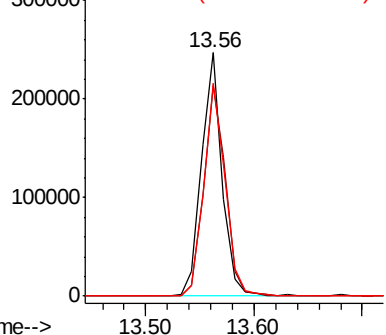


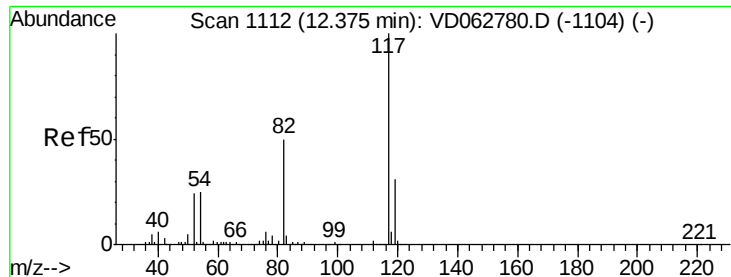
#62
4-Bromofluorobenzene
Concen: 37.290 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063071.D
Acq: 12 Jul 2019 15:26

Tgt Ion: 95 Resp: 326887
Ion Ratio Lower Upper
95 100
174 86.5 0.0 158.0
176 87.5 0.0 151.6



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

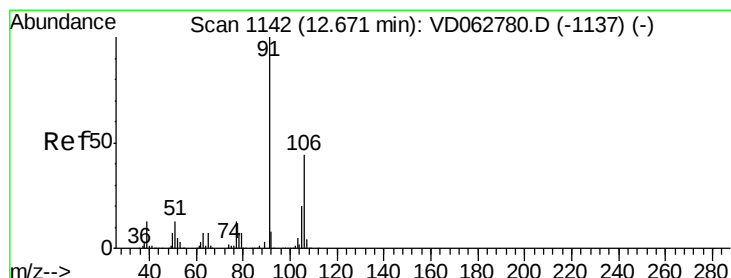
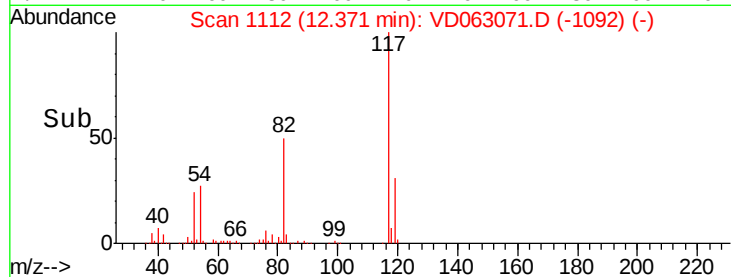
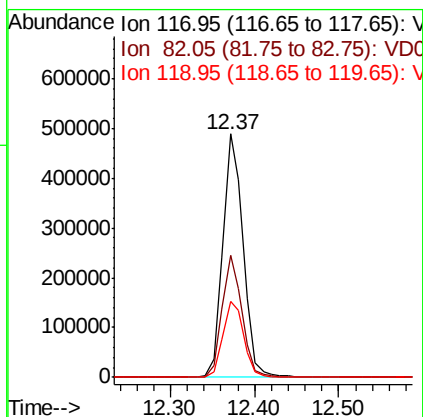
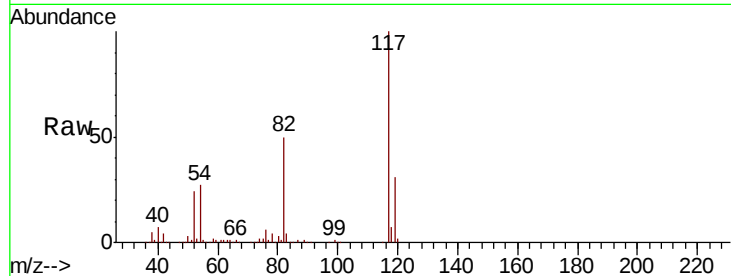




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063071.D
Acq: 12 Jul 2019 15:26

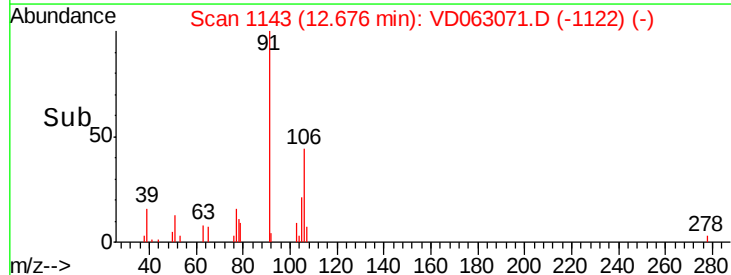
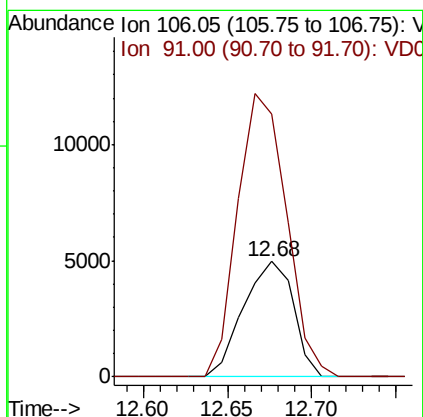
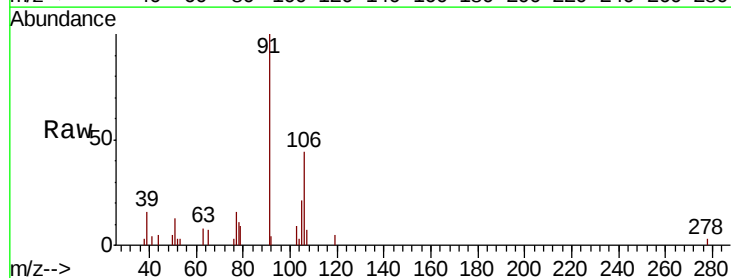
Instrument :
MSVOA_D
ClientSampleId :
D-3X-ROLL-OFF-DUMPSTER-3

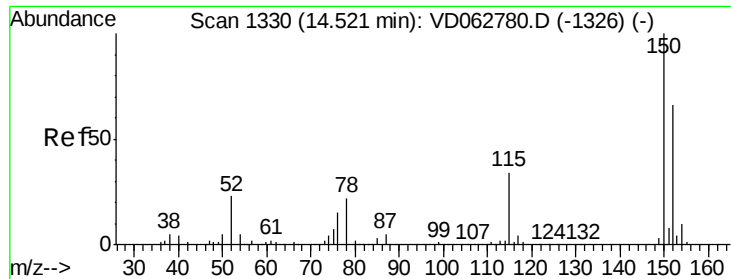
Tgt Ion:117 Resp: 811989
Ion Ratio Lower Upper
117 100
82 50.1 40.4 60.6
119 31.1 25.2 37.8



#68
m/p-Xylenes
Concen: 1.084 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD063071.D
Acq: 12 Jul 2019 15:26

Tgt Ion:106 Resp: 10216
Ion Ratio Lower Upper
106 100
91 227.4 183.0 274.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063071.D

Acq: 12 Jul 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

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

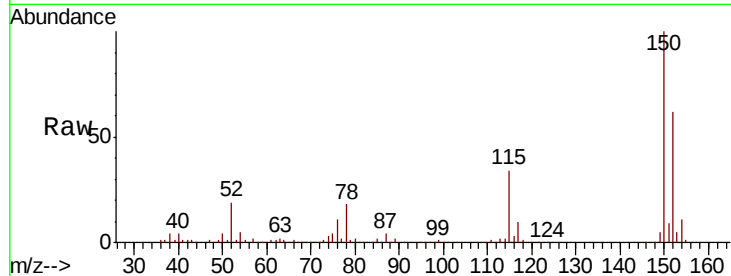
Tgt Ion:152 Resp: 330602

Ion Ratio Lower Upper

152 100

115 54.6 29.2 87.6

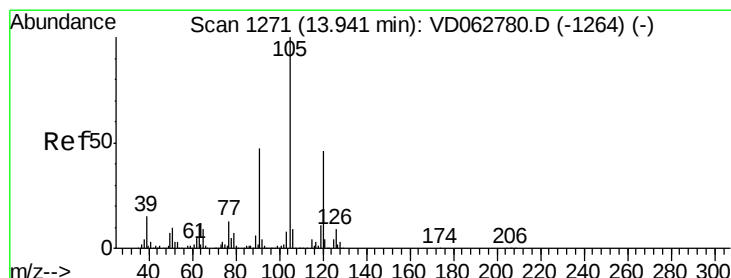
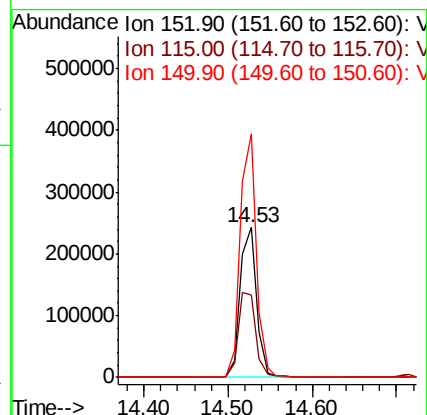
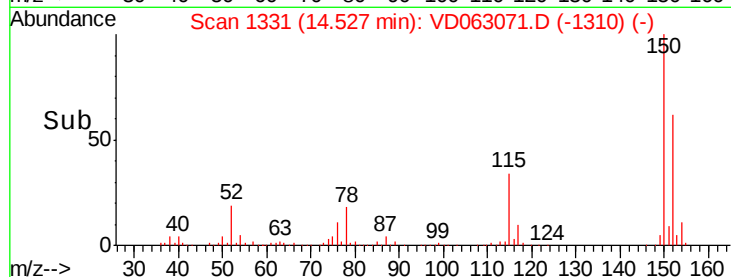
150 162.4 0.0 305.8



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



#80

1,3,5-Trimethylbenzene

Concen: 1.420 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063071.D

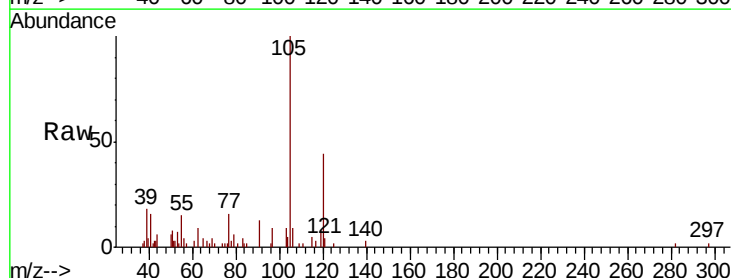
Acq: 12 Jul 2019 15:26

Tgt Ion:105 Resp: 25288

Ion Ratio Lower Upper

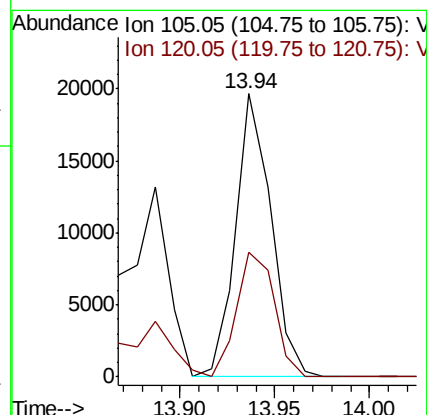
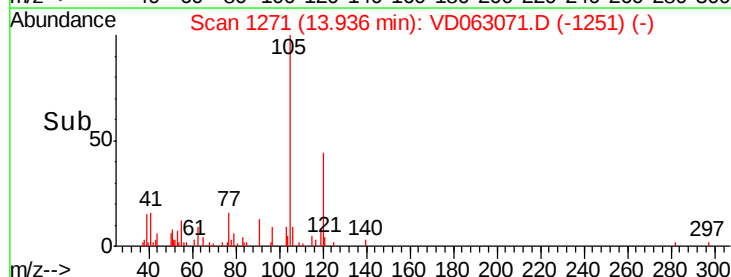
105 100

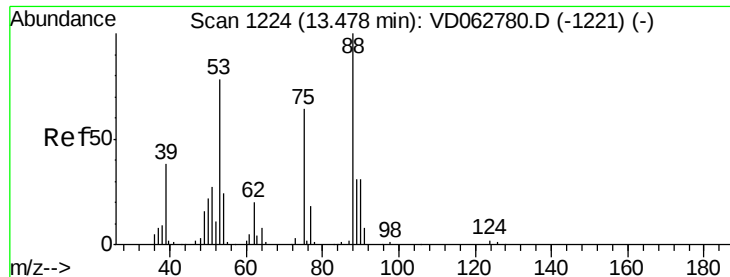
120 43.9 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

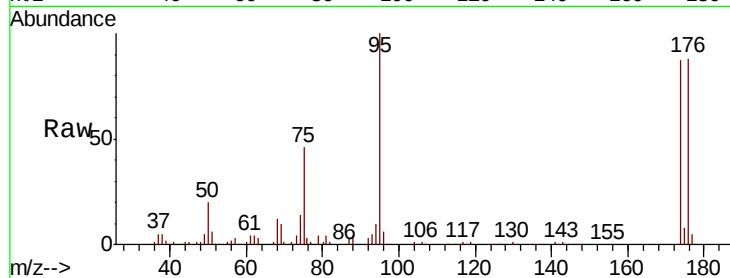




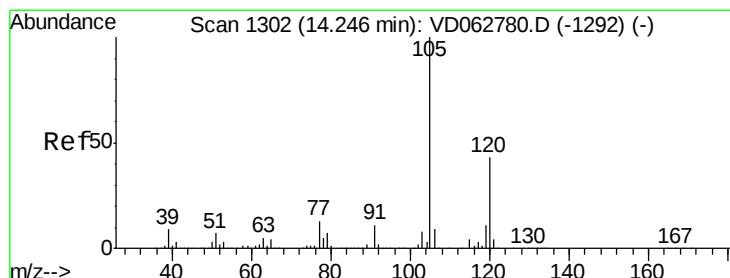
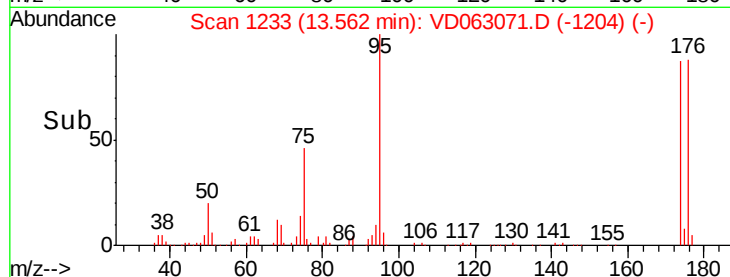
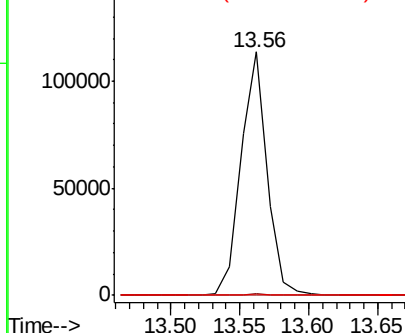
#81
 trans-1,4-Dichloro-2-butene
 Concen: 149.722 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.08 min
 Lab File: VD063071.D
 Acq: 12 Jul 2019 15:26

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

Tgt Ion: 75 Resp: 149761
 Ion Ratio Lower Upper
 75 100
 53 0.6 97.8 146.8#
 89 0.0 39.4 59.2#

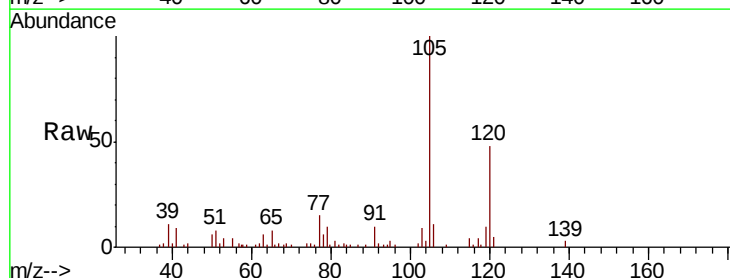


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 53.00 (52.70 to 53.70): VDC
 Ion 89.00 (88.70 to 89.70): VDC

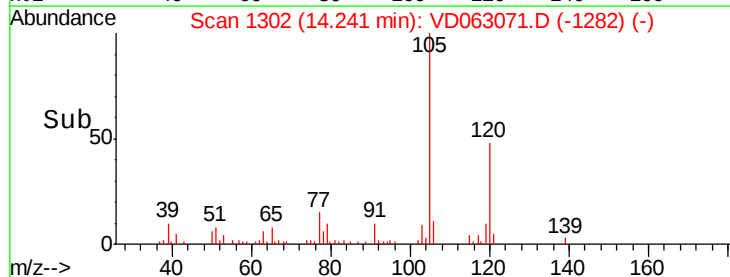
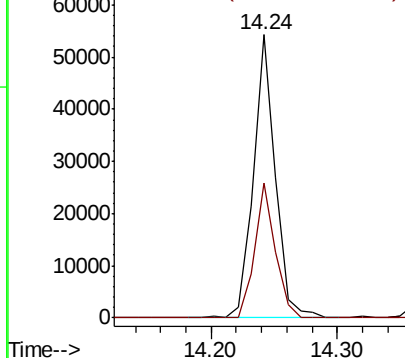


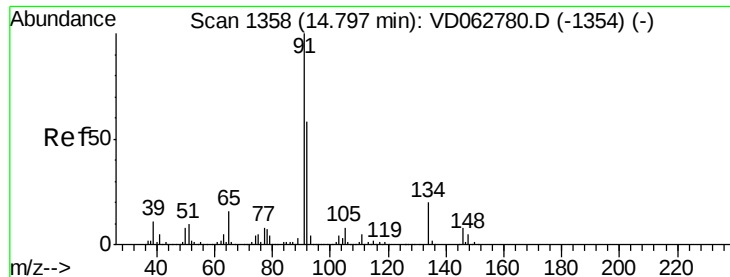
#84
 1,2,4-Trimethylbenzene
 Concen: 3.581 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD063071.D
 Acq: 12 Jul 2019 15:26

Tgt Ion: 105 Resp: 65352
 Ion Ratio Lower Upper
 105 100
 120 47.8 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#89

n-Butylbenzene

Concen: 1.101 ug/l

RT: 14.78 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD063071.D

Acq: 12 Jul 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

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

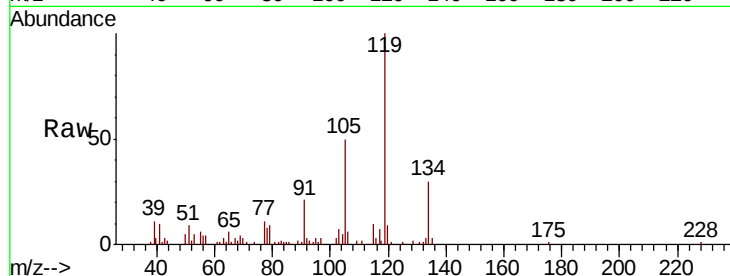
Tgt Ion: 91 Resp: 20332

Ion Ratio Lower Upper

91 100

92 14.3 28.9 86.7#

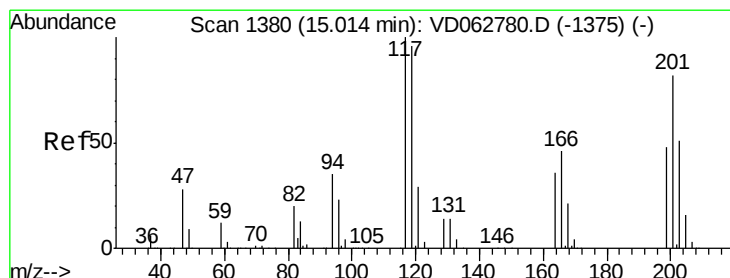
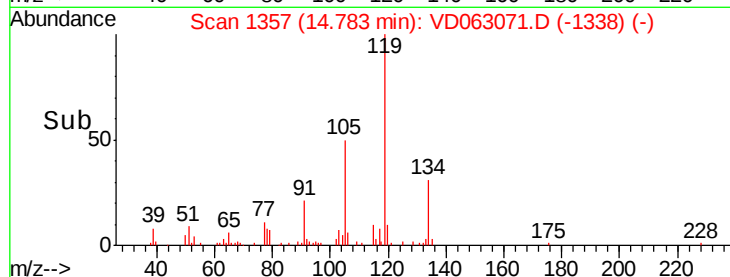
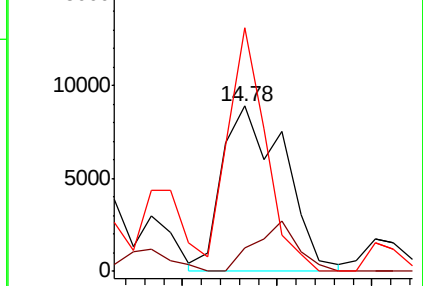
134 147.5 10.1 30.3#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 1.148 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063071.D

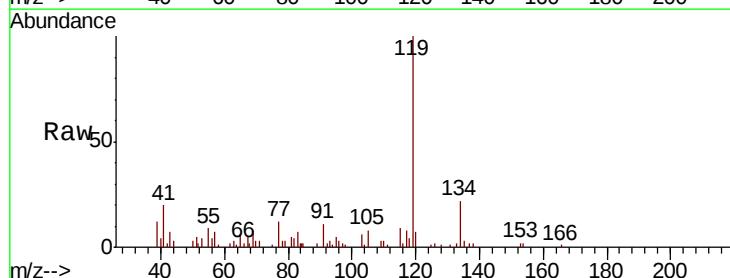
Acq: 12 Jul 2019 15:26

Tgt Ion: 117 Resp: 6089

Ion Ratio Lower Upper

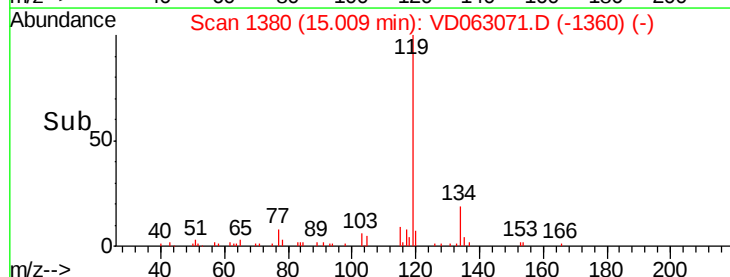
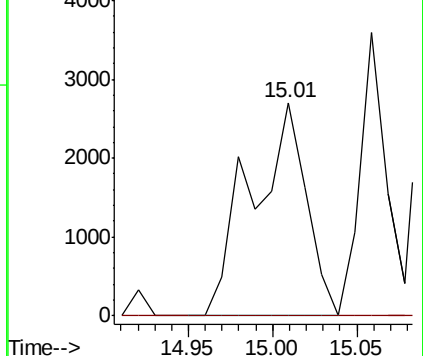
117 100

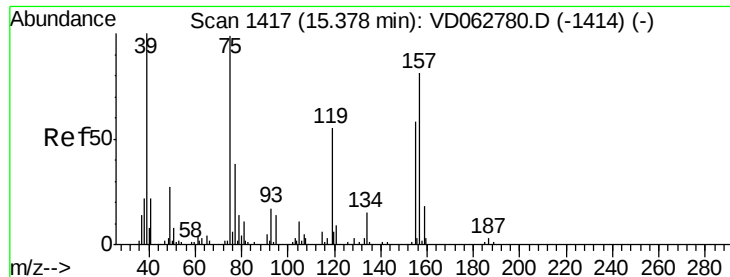
201 0.0 40.8 122.2#



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

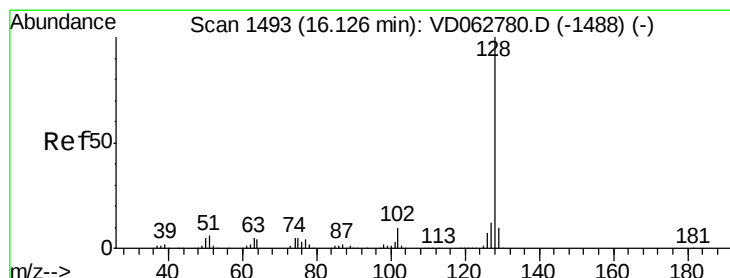
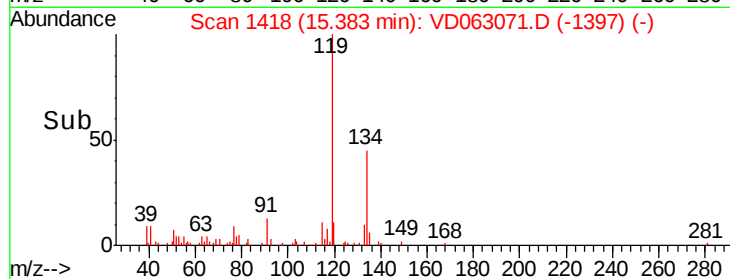
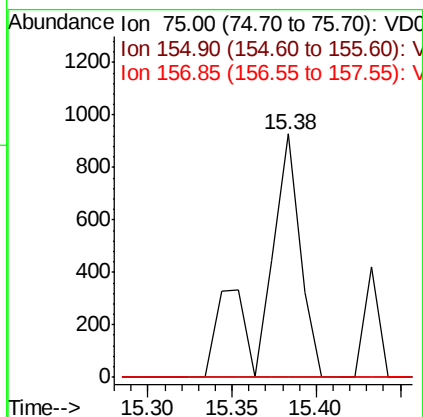
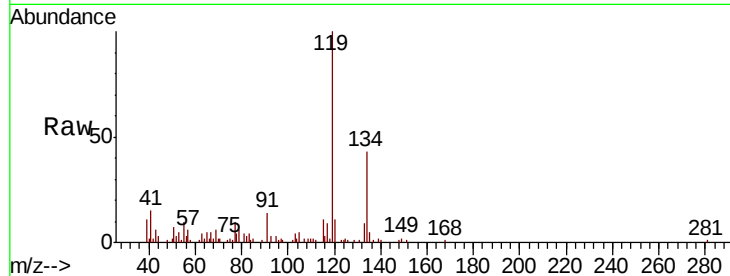




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.065 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063071.D
 Acq: 12 Jul 2019 15:26

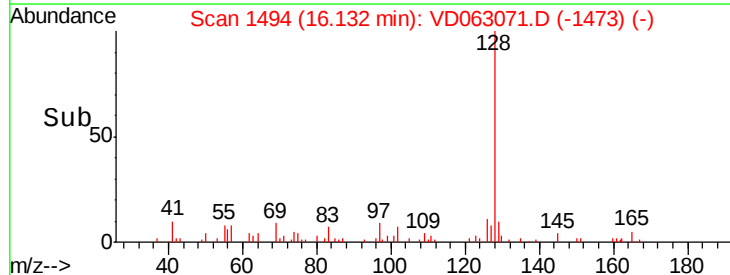
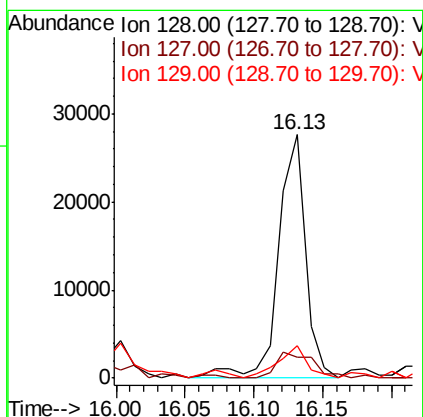
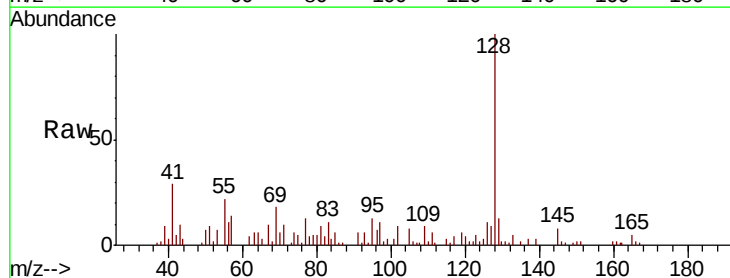
Instrument :
 MSVOA_D
 ClientSampleId :
 D-3X-ROLL-OFF-DUMPSTER-3

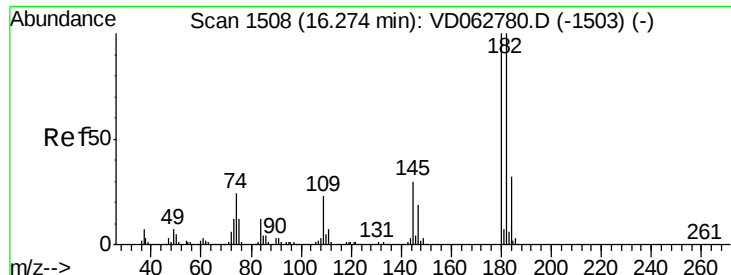
Tgt Ion: 75 Resp: 1392
 Ion Ratio Lower Upper
 75 100
 155 0.0 29.3 87.8#
 157 0.0 41.3 123.7#



#95
 Naphthalene
 Concen: 3.923 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VD063071.D
 Acq: 12 Jul 2019 15:26

Tgt Ion: 128 Resp: 37560
 Ion Ratio Lower Upper
 128 100
 127 8.6 9.7 14.5#
 129 13.4 8.3 12.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.006 ug/l
 RT: 16.28 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VD063071.D
 Acq: 12 Jul 2019 15:26

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

Tgt Ion:180 Resp: 5282
 Ion Ratio Lower Upper
 180 100
 182 64.7 49.9 149.6
 145 185.4 15.2 45.5#

