

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083118\
 Data File : VD059933.D
 Acq On : 31 Aug 2018 13:59
 Operator : JC/SY
 Sample : J4661-01RE
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WASTE-CLASS-HOT-SPOTRE

Quant Time: Aug 31 14:35:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1058608	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1504262	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1098168	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	382841	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	388258	43.51	ug/l	-0.04
Spiked Amount			Recovery	=	87.02%	
35) Dibromofluoromethane	6.30	113	482502	40.91	ug/l	-0.04
Spiked Amount			Recovery	=	81.82%	
50) Toluene-d8	9.44	98	1189180	36.33	ug/l	-0.03
Spiked Amount			Recovery	=	72.66%	
62) 4-Bromofluorobenzene	12.41	95	381320	28.68	ug/l	-0.03
Spiked Amount			Recovery	=	57.36%	

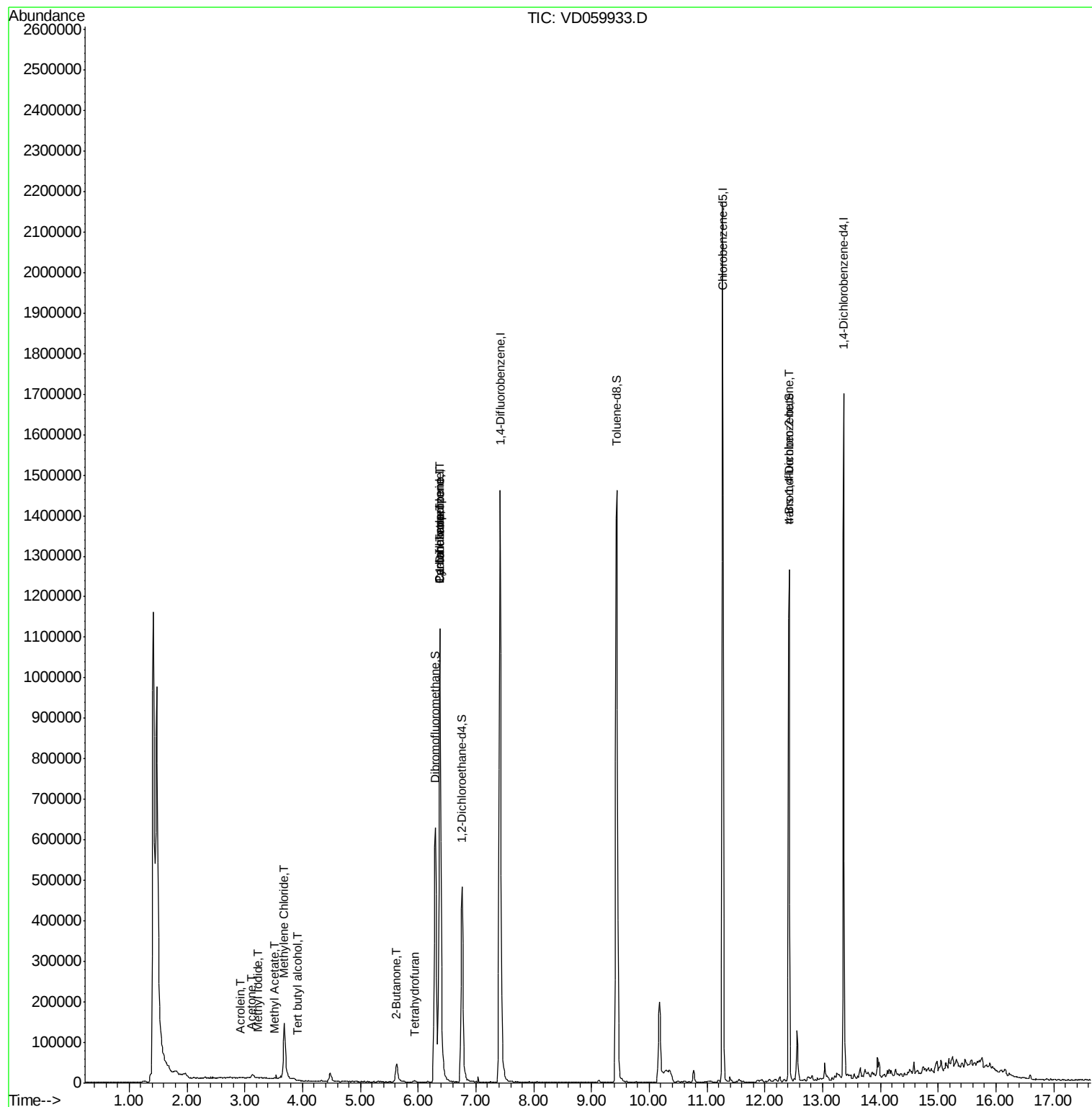
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.24	142	201	3.502	ug/l #	31
11) Tert butyl alcohol	3.93	59	1526	2.241	ug/l #	75
13) Acrolein	2.93	56	451	1.527	ug/l	95
16) Acetone	3.13	43	14359	8.833	ug/l	93
18) Methyl Acetate	3.52	43	4615	1.360	ug/l #	66
20) Methylene Chloride	3.69	84	86750	4.617	ug/l	97
25) 2-Butanone	5.63	43	7489	1.556	ug/l #	63
29) Tetrahydrofuran	5.92	42	2795	1.219	ug/l #	51
31) Cyclohexane	6.38	56	21966	1.293	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	74585	5.470	ug/l #	48
38) Carbon Tetrachloride	6.38	117	85720	6.229	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.41	75	160038	86.465	ug/l #	12
89) n-Butylbenzene	13.64	91	2778	Below Cal		94

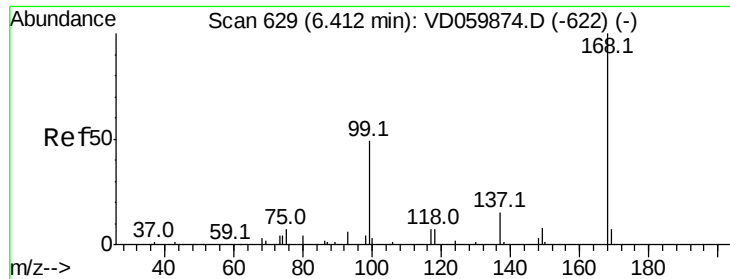
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD059933.D

Acq: 31 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

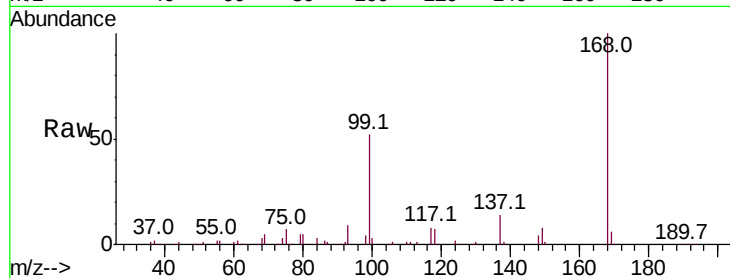
WASTE-CLASS-HOT-SPOTRE

Tot Ion:168 Resp: 1058608

Ion Ratio Lower Upper

168 100

99 51.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.38

400000

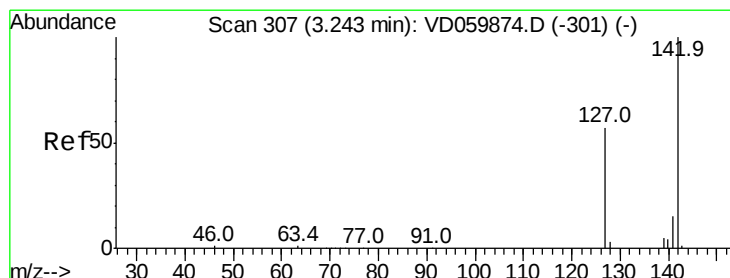
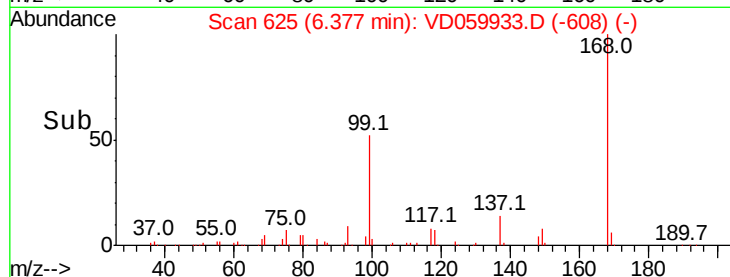
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#10

Methyl Iodide

Concen: 3.502 ug/l

RT: 3.24 min Scan# 306

Delta R.T. -0.01 min

Lab File: VD059933.D

Acq: 31 Aug 2018 13:59

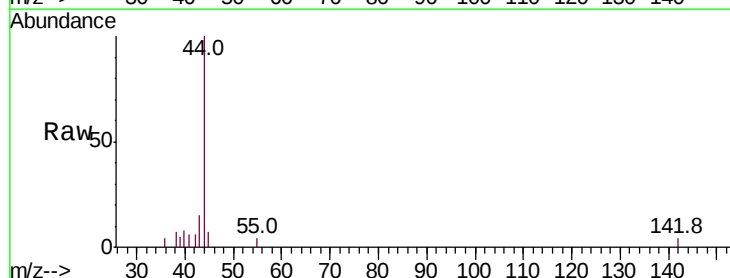
Tgt Ion:142 Resp: 201

Ion Ratio Lower Upper

142 100

127 0.0 45.8 68.6#

141 0.0 11.6 17.4#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.24

400

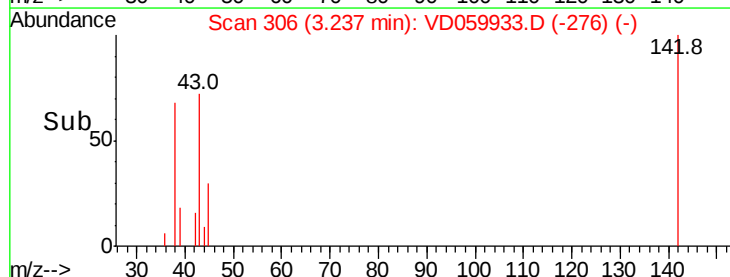
300

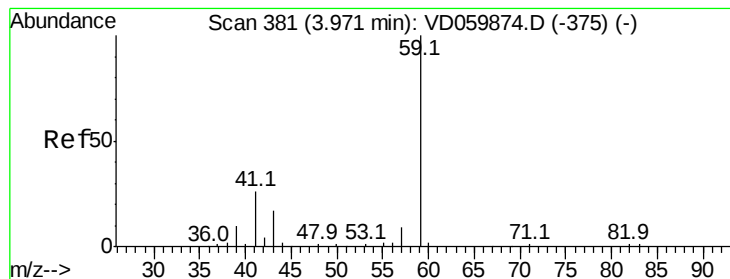
200

100

0

Time--> 3.20 3.22 3.24 3.26



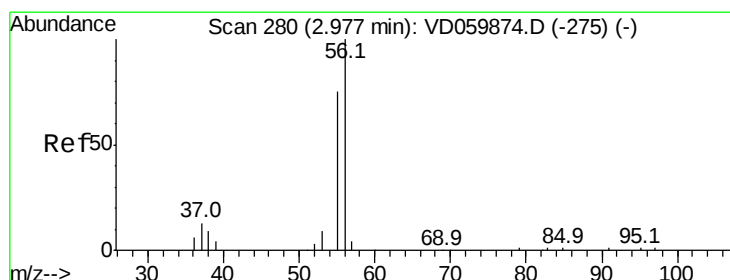
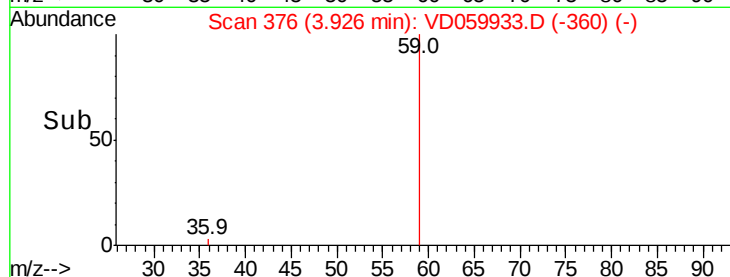
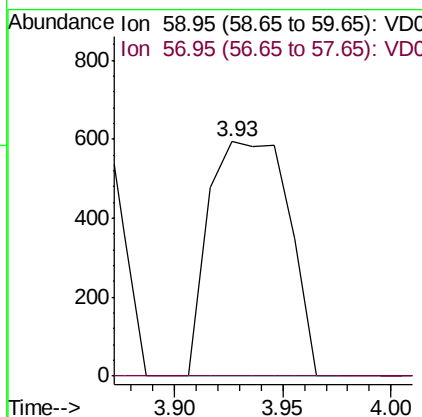
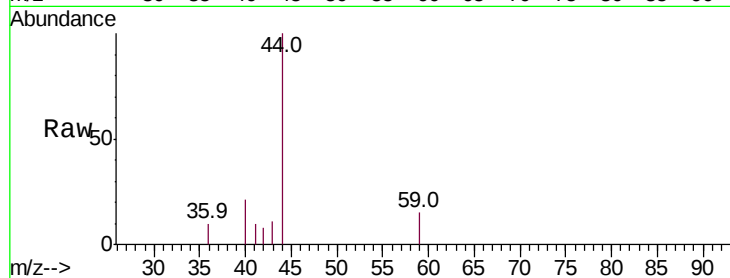


#11

Tert butyl alcohol
 Concen: 2.241 ug/l
 RT: 3.93 min Scan# 376
 Delta R.T. -0.05 min
 Lab File: VD059933.D
 Acq: 31 Aug 2018 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 WASTE-CLASS-HOT-SPOTRE

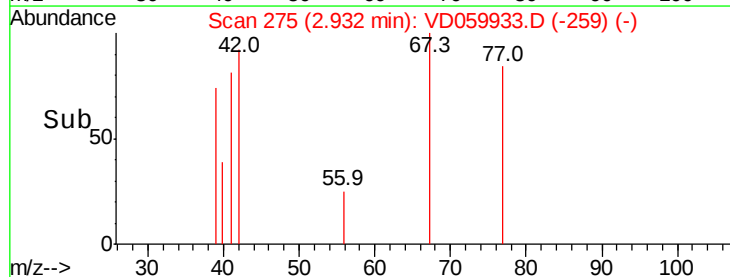
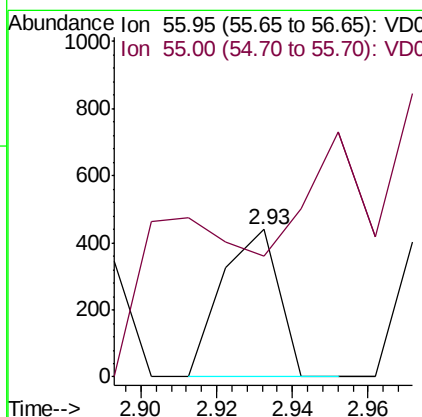
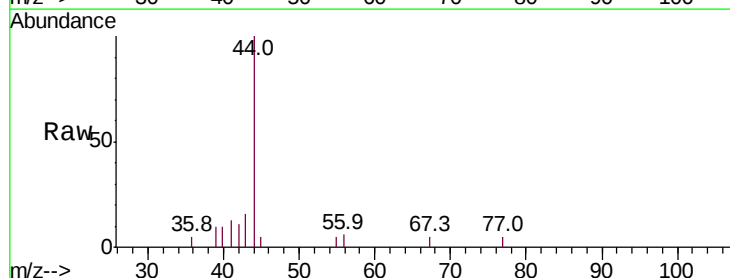
Tot Ion: 59 Resp: 1526
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.0#

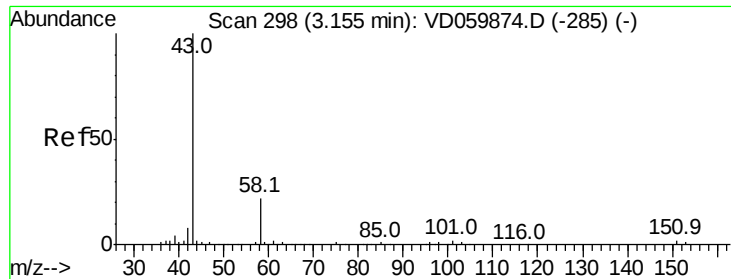


#13

Acrolein
 Concen: 1.527 ug/l
 RT: 2.93 min Scan# 275
 Delta R.T. -0.05 min
 Lab File: VD059933.D
 Acq: 31 Aug 2018 13:59

Tgt Ion: 56 Resp: 451
 Ion Ratio Lower Upper
 56 100
 55 82.0 61.9 92.9





#16

Acetone

Concen: 8.833 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059933.D

Acq: 31 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

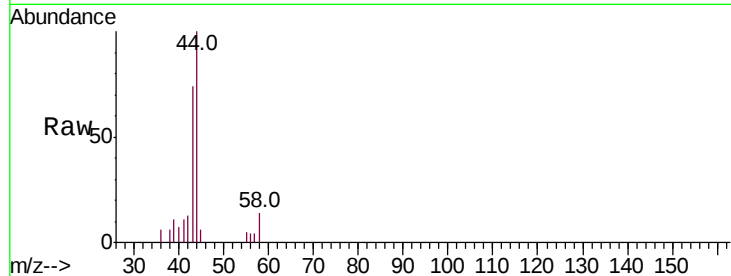
WASTE-CLASS-HOT-SPOTRE

Tot Ion: 43 Resp: 14359

Ion Ratio Lower Upper

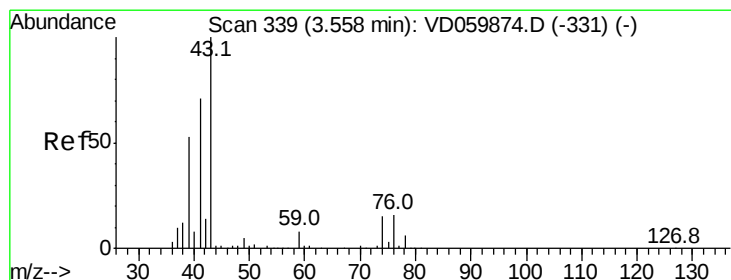
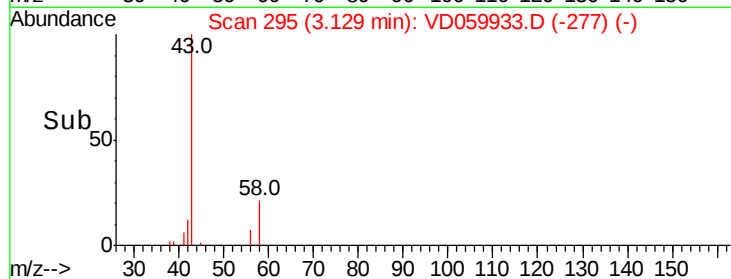
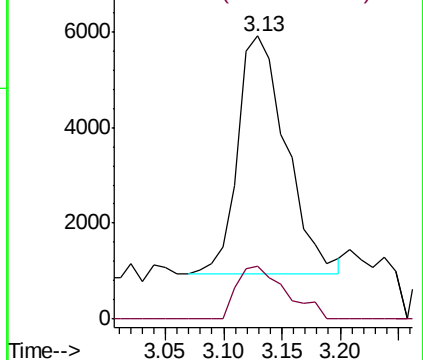
43 100

58 18.8 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.360 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.04 min

Lab File: VD059933.D

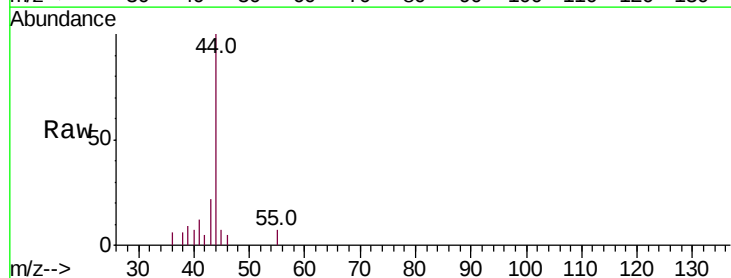
Acq: 31 Aug 2018 13:59

Tgt Ion: 43 Resp: 4615

Ion Ratio Lower Upper

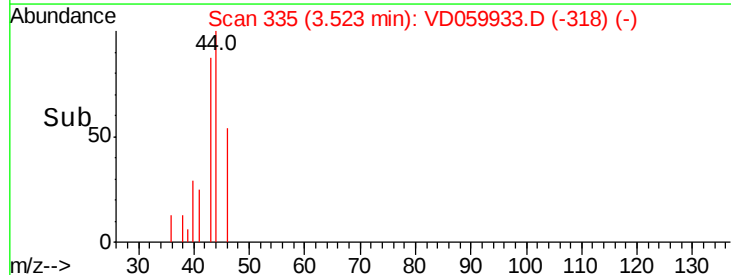
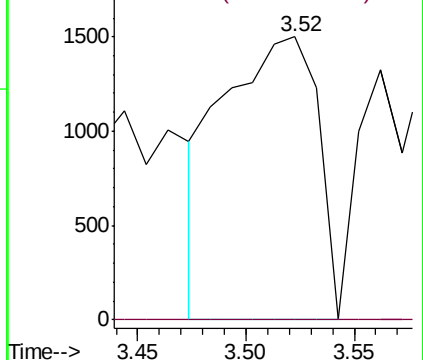
43 100

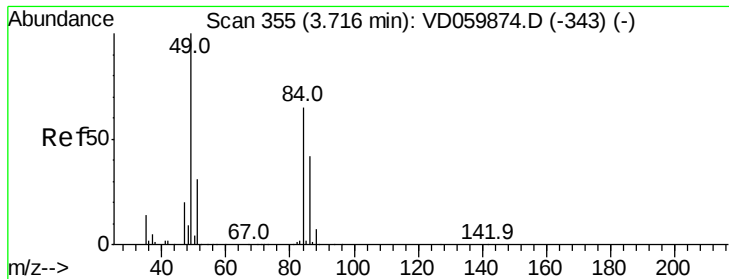
74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

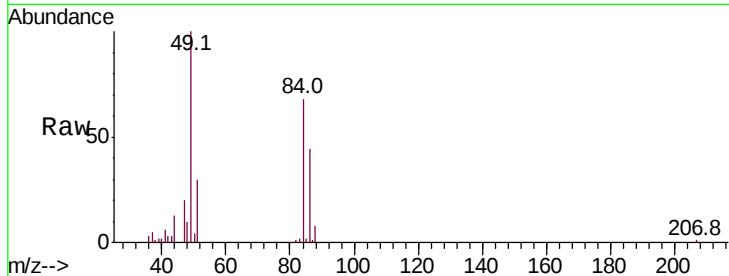




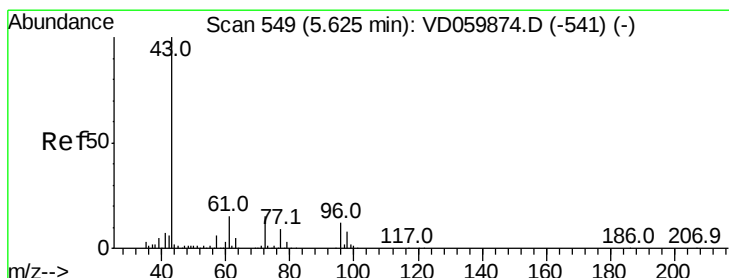
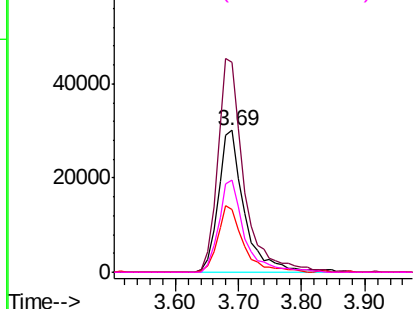
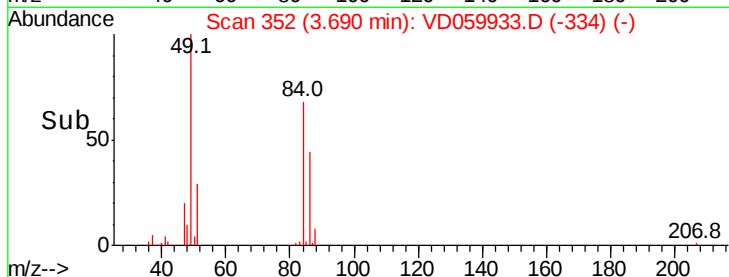
#20
Methvlene Chloride
Concen: 4.617 ug/l
RT: 3.69 min Scan# 352
Delta R.T. -0.02 min
Lab File: VD059933.D
Acq: 31 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampleId :
WASTE-CLASS-HOT-SPOTRE

Tot Ion: 84 Resp: 86750
Ion Ratio Lower Upper
84 100
49 148.1 122.6 183.8
51 44.7 38.4 57.6
86 65.0 51.5 77.3

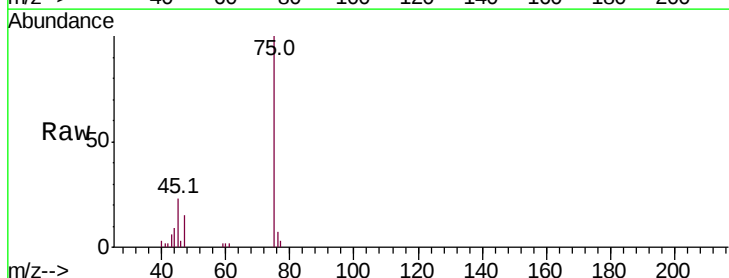


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

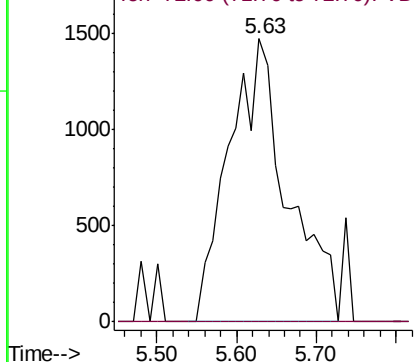
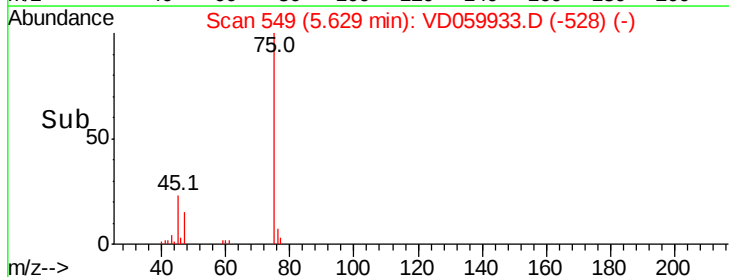


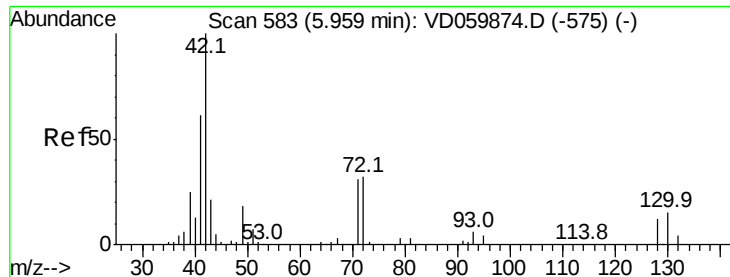
#25
2-Butanone
Concen: 1.556 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.00 min
Lab File: VD059933.D
Acq: 31 Aug 2018 13:59

Tgt Ion: 43 Resp: 7489
Ion Ratio Lower Upper
43 100
72 0.0 12.3 18.5#



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





#29

Tetrahydrofuran

Concen: 1.219 ug/l

RT: 5.92 min Scan# 579

Delta R.T. -0.04 min

Lab File: VD059933.D

Acq: 31 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

WASTE-CLASS-HOT-SPOTRE

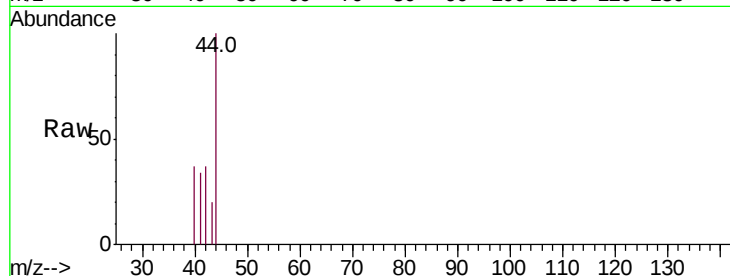
Tot Ion: 42 Resp: 2795

Ion Ratio Lower Upper

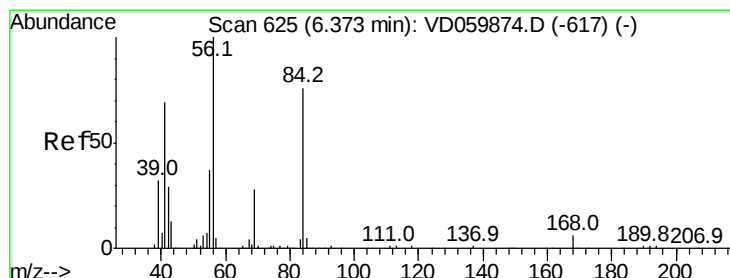
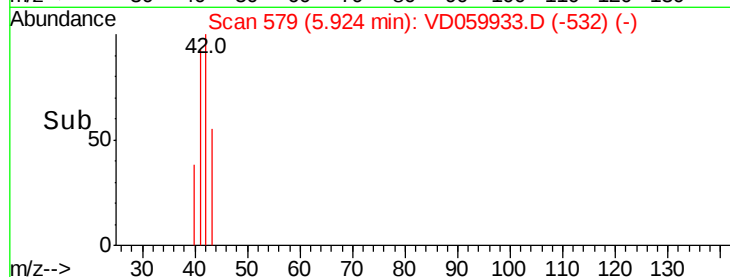
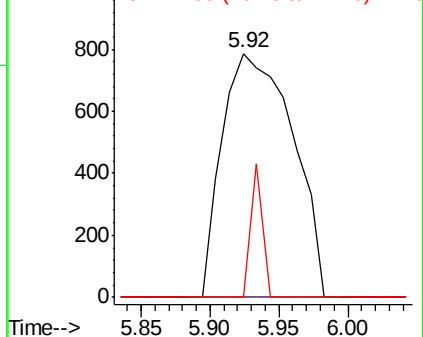
42 100

72 0.0 25.7 38.5#

71 9.1 25.3 37.9#



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: 1.293 ug/l

RT: 6.38 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD059933.D

Acq: 31 Aug 2018 13:59

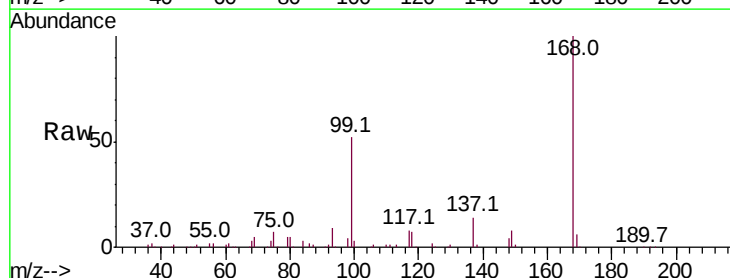
Tgt Ion: 56 Resp: 21966

Ion Ratio Lower Upper

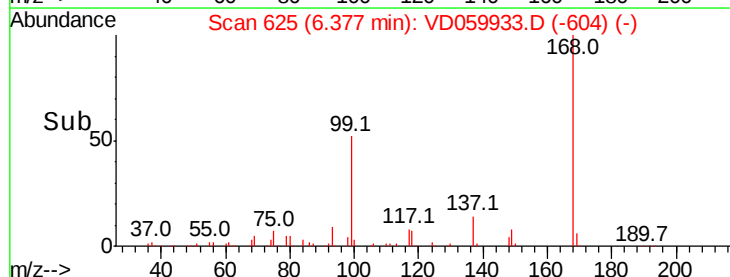
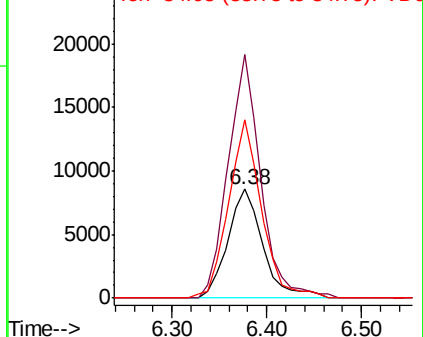
56 100

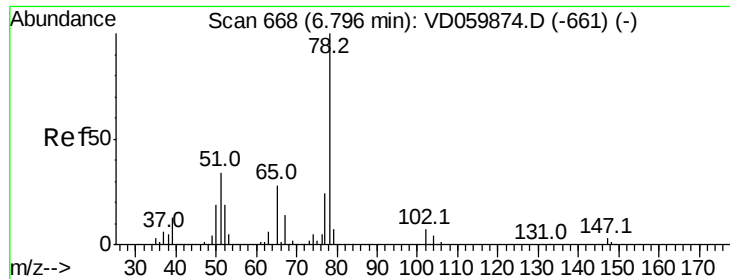
69 223.1 22.4 33.6#

84 163.3 62.1 93.1#



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: N.D. ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.04 min

Lab File: VD059933.D

Acq: 31 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

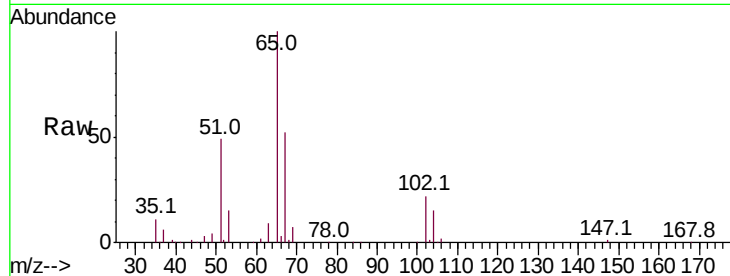
WASTE-CLASS-HOT-SPOTRE

Tot Ion: 65 Resp: 388258

Ion Ratio Lower Upper

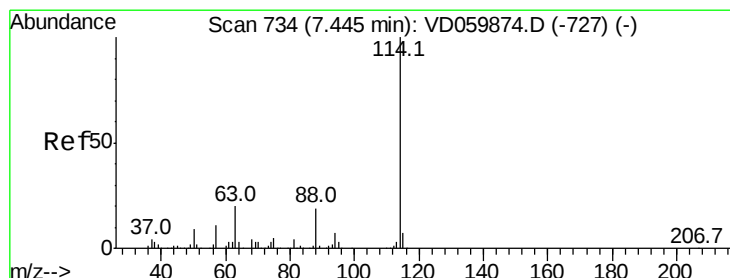
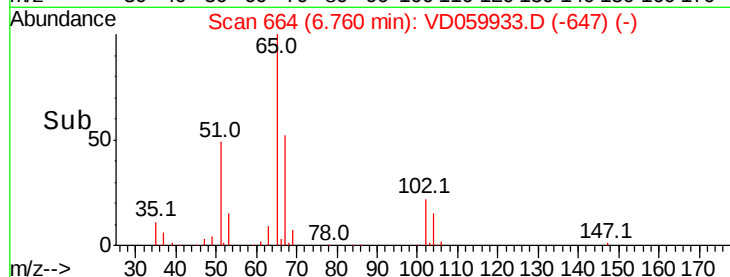
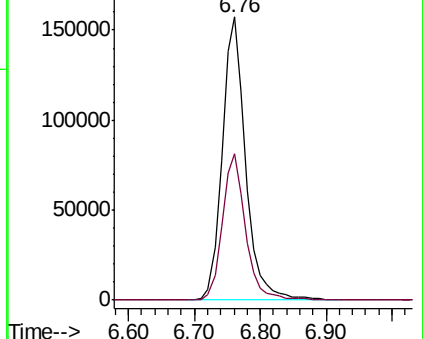
65 100

67 51.7 0.0 103.8



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: 7.42 min Scan# 731

Delta R.T. -0.03 min

Lab File: VD059933.D

Acq: 31 Aug 2018 13:59

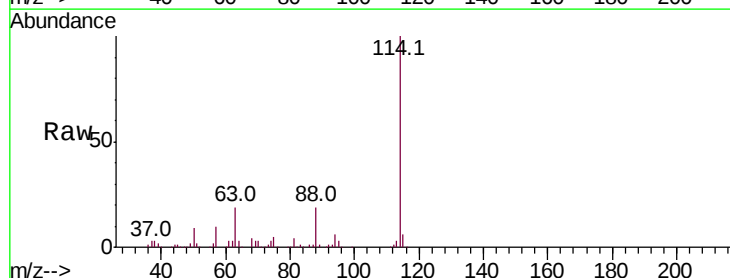
Tgt Ion:114 Resp: 1504262

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.4

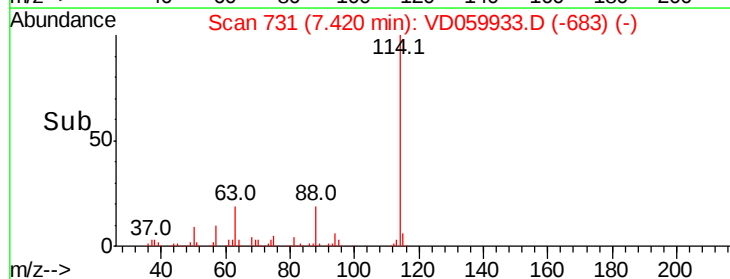
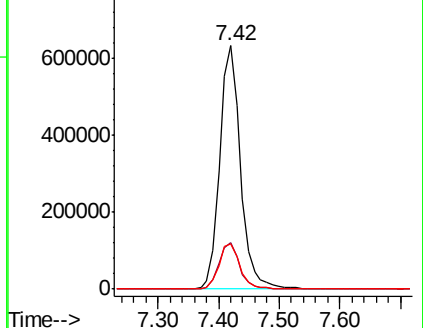
88 18.7 0.0 37.6

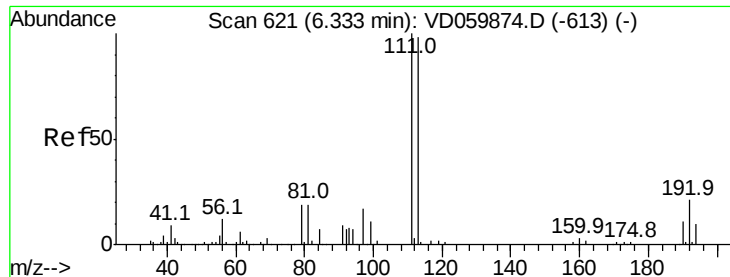


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 617

Delta R.T. -0.04 min

Lab File: VD059933.D

Acq: 31 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

WASTE-CLASS-HOT-SPOTRE

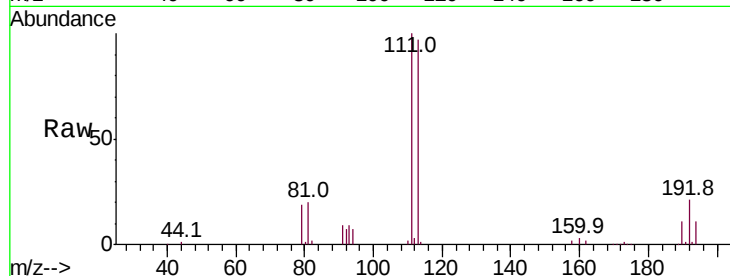
Tot Ion:113 Resp: 482502

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.2

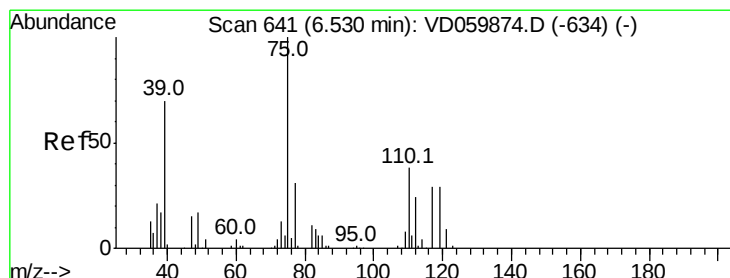
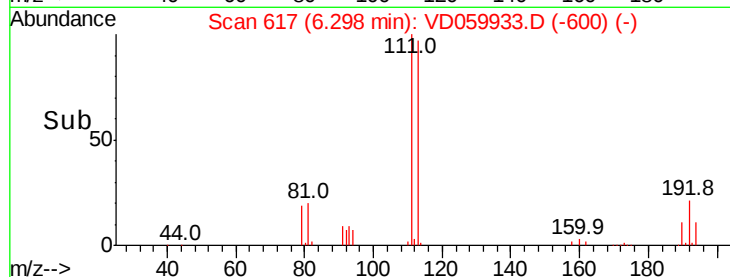
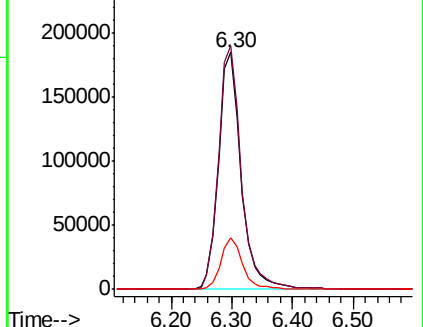
192 21.6 17.0 25.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 5.470 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.15 min

Lab File: VD059933.D

Acq: 31 Aug 2018 13:59

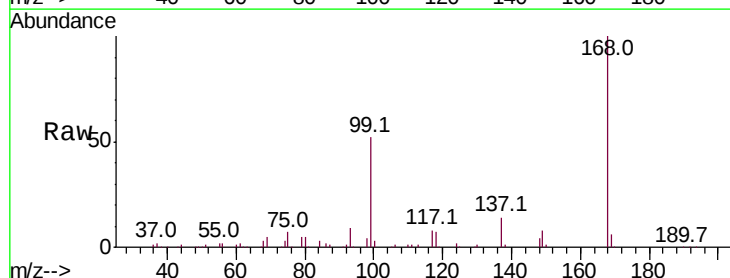
Tgt Ion: 75 Resp: 74585

Ion Ratio Lower Upper

75 100

110 8.2 18.6 56.0#

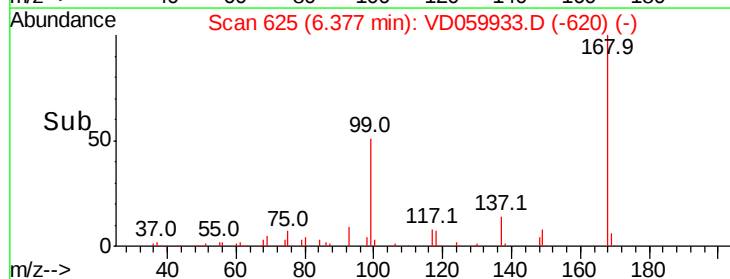
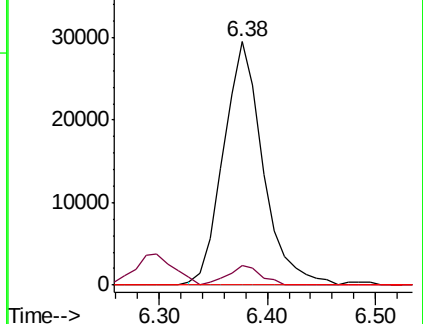
77 0.0 25.1 37.7#

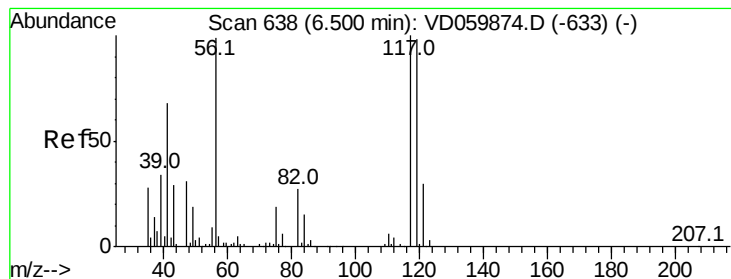


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.229 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.12 min

Lab File: VD059933.D

Acq: 31 Aug 2018 13:59

Instrument :

MSVOA_D

ClientSampleId :

WASTE-CLASS-HOT-SPOTRE

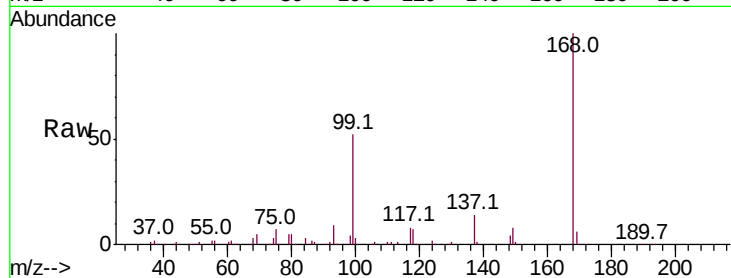
Tot Ion:117 Resp: 85720

Ion Ratio Lower Upper

117 100

119 3.8 77.2 115.8#

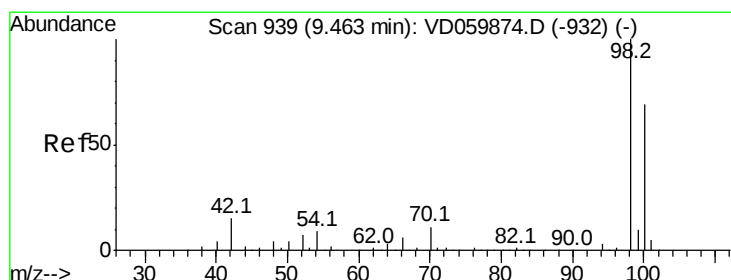
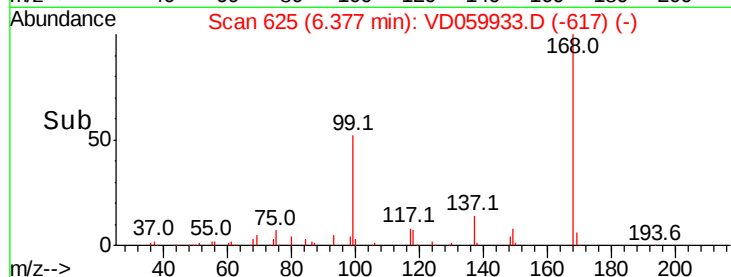
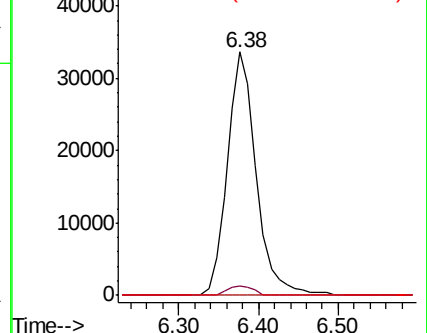
121 0.0 24.0 36.0#



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: N.D. ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059933.D

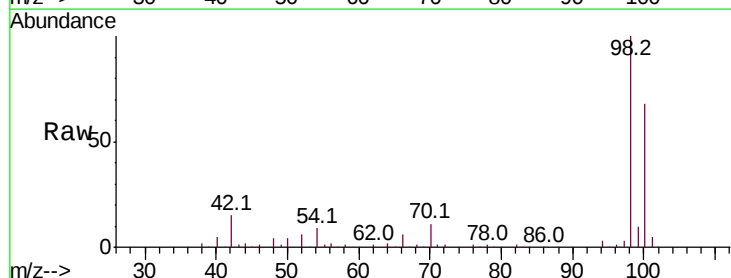
Acq: 31 Aug 2018 13:59

Tgt Ion: 98 Resp: 1189180

Ion Ratio Lower Upper

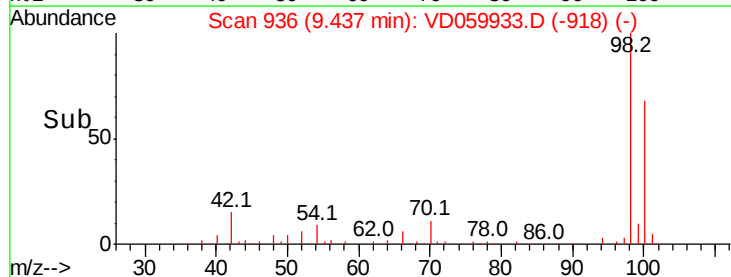
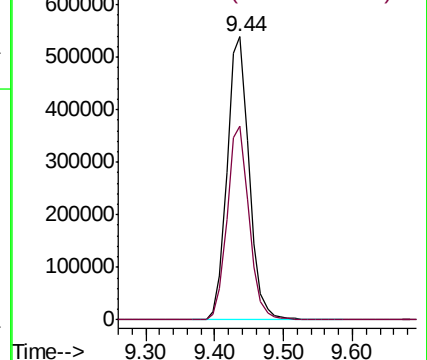
98 100

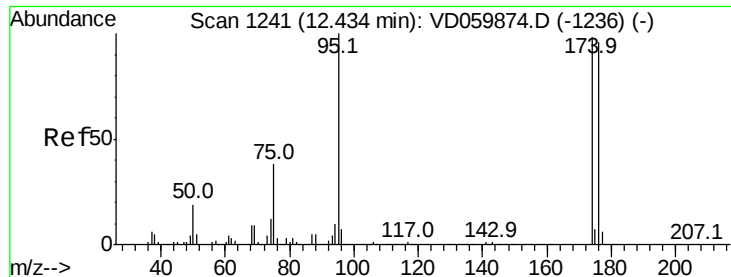
100 68.4 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

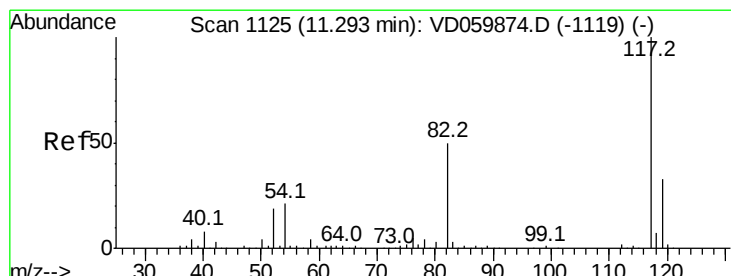
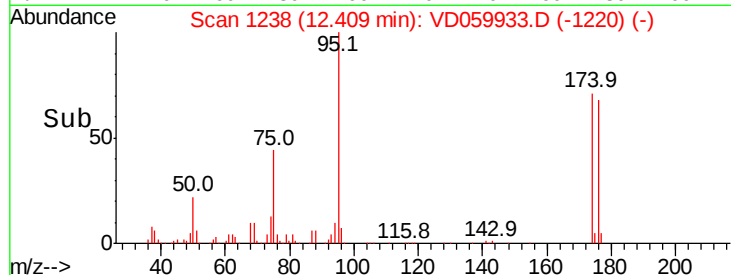
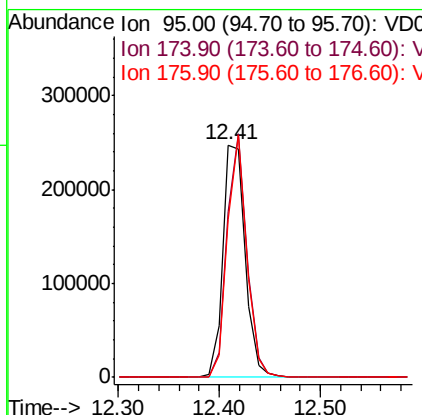
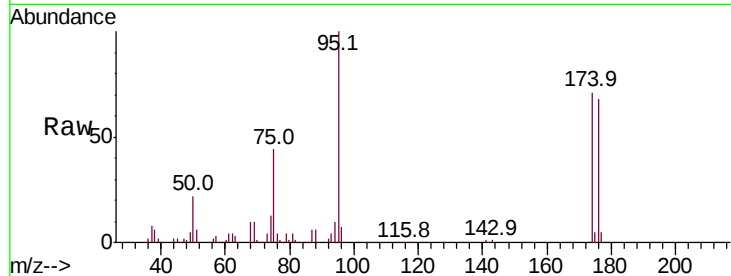




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.41 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VD059933.D
Acq: 31 Aug 2018 13:59

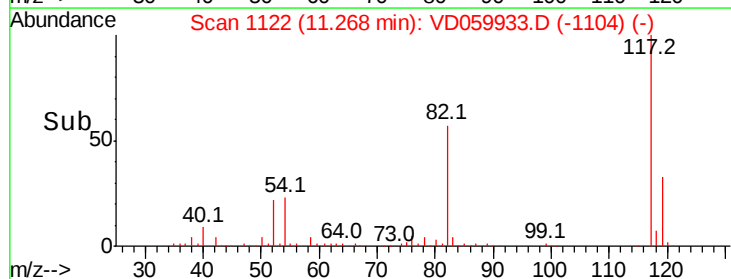
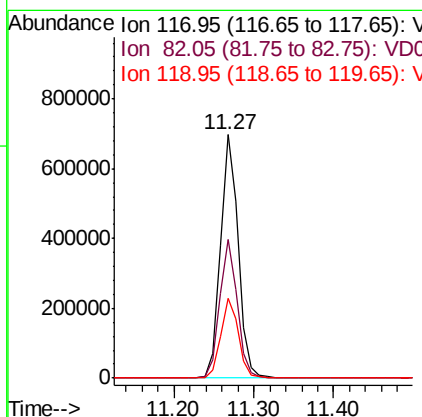
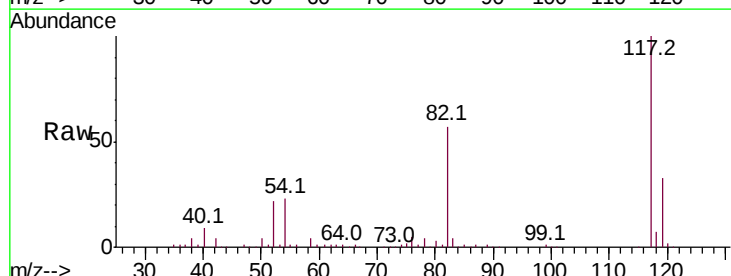
Instrument :
MSVOA_D
ClientSampleId :
WASTE-CLASS-HOT-SPOTRE

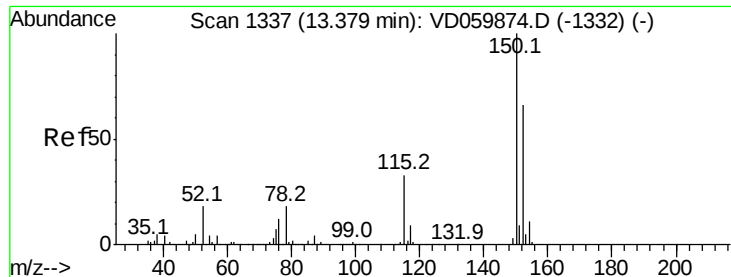
Tot Ion: 95 Resp: 381320
Ion Ratio Lower Upper
95 100
174 71.3 0.0 195.6
176 67.8 0.0 191.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.03 min
Lab File: VD059933.D
Acq: 31 Aug 2018 13:59

Tgt Ion: 117 Resp: 1098168
Ion Ratio Lower Upper
117 100
82 57.2 40.1 60.1
119 33.0 26.7 40.1



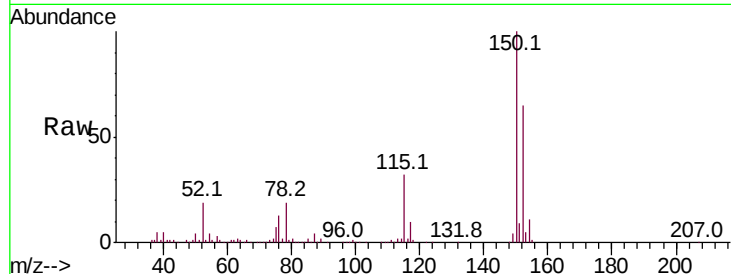


#72

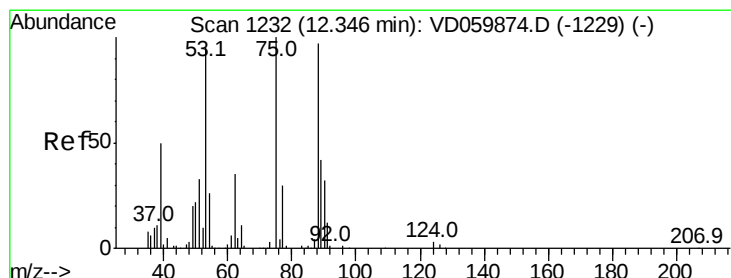
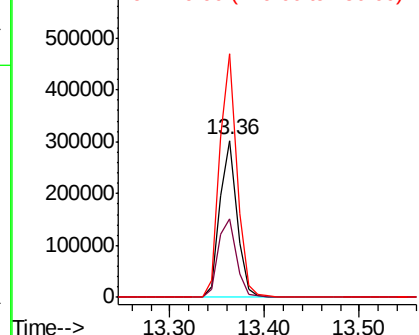
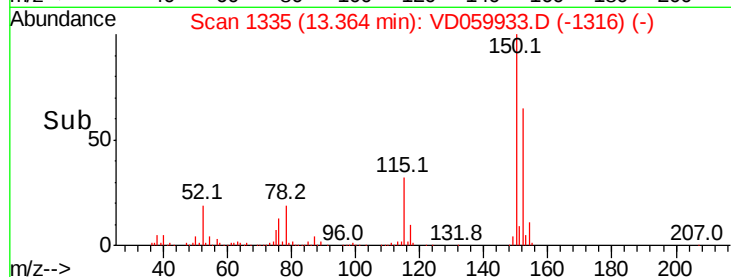
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1335
Delta R.T. -0.02 min
Lab File: VD059933.D
Acq: 31 Aug 2018 13:59

Instrument :
MSVOA_D
ClientSampleId :
WASTE-CLASS-HOT-SPOTRE

Tot Ion:152 Resp: 382841
Ion Ratio Lower Upper
152 100
115 50.1 25.7 77.0
150 154.9 0.0 310.2



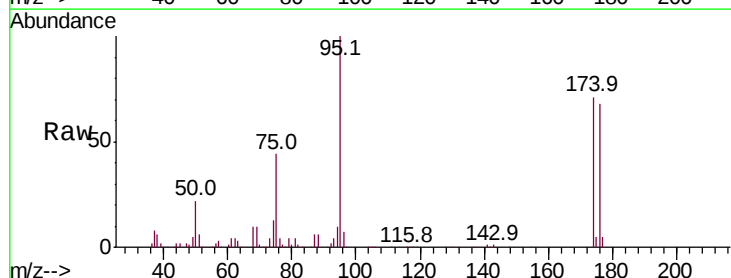
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 86.465 ug/l
RT: 12.41 min Scan# 1238
Delta R.T. 0.06 min
Lab File: VD059933.D
Acq: 31 Aug 2018 13:59

Tgt Ion: 75 Resp: 160038
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.6#
89 0.0 33.6 50.4#



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

