

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061523.D
 Acq On : 2 Apr 2019 19:20
 Operator : VA/AP
 Sample : K2186-11RE
 Misc : 5.50g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BELT-PARKWAY-STAGING-YARD-1

Quant Time: Apr 03 01:54:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	238795	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	428040	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	335033	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	118041	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	152825	74.92	ug/l	0.01
Spiked Amount 50.000			Recovery =	149.84%		
35) Dibromofluoromethane	6.91	113	187174	57.22	ug/l	0.01
Spiked Amount 50.000			Recovery =	114.44%		
50) Toluene-d8	10.40	98	280855	35.80	ug/l	0.01
Spiked Amount 50.000			Recovery =	71.60%		
62) 4-Bromofluorobenzene	13.55	95	131340	43.66	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.32%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.30	142	330	3.534	ug/l #	38
11) Tert butyl alcohol	4.07	59	1458	11.477	ug/l #	76
16) Acetone	3.21	43	102980	196.382	ug/l	98
18) Methyl Acetate	3.64	43	19914	18.062	ug/l	96
20) Methylene Chloride	3.80	84	17880	4.333	ug/l	98
25) 2-Butanone	6.07	43	6602	10.009	ug/l	94
36) 1,1-Dichloropropene	7.03	75	17043	4.562	ug/l #	46
37) Ethyl Acetate	6.07	43	6602	4.132	ug/l #	65
38) Carbon Tetrachloride	7.04	117	22989	5.355	ug/l #	10
58) 2-Chloroethyl Vinyl ether	9.86	63	1252	1.196	ug/l #	47
76) 1,2,3-Trichloropropane	13.55	75	40113	23.525	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	49391	95.002	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

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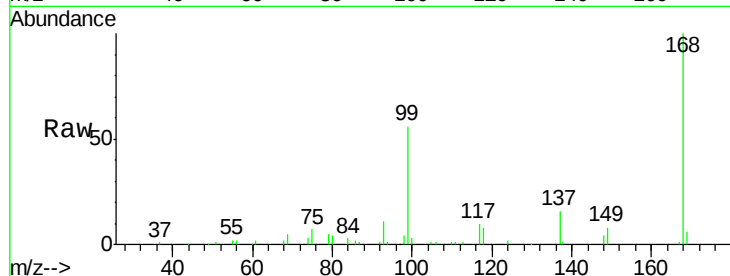
BELT-PARKWAY-STAGING-YARD-1

Tot Ion:168 Resp: 238795

Ion Ratio Lower Upper

168 100

99 55.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

80000

60000

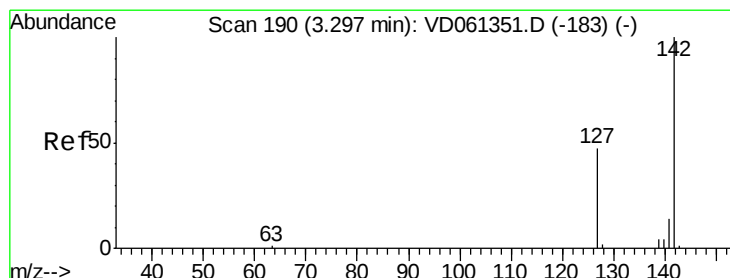
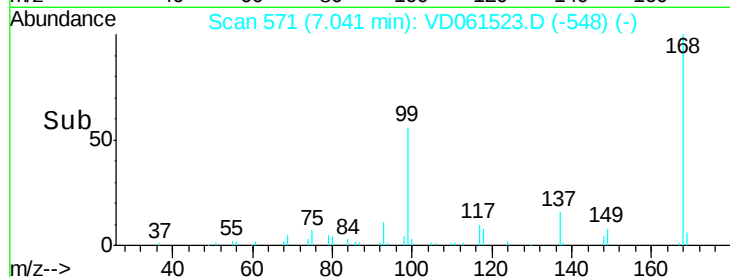
40000

20000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 3.534 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD061523.D

Acq: 2 Apr 2019 19:20

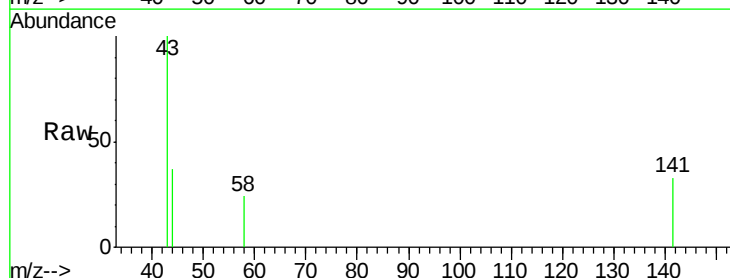
Tgt Ion:142 Resp: 330

Ion Ratio Lower Upper

142 100

127 0.0 37.7 56.5#

141 0.0 11.5 17.3#



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

3.30

600

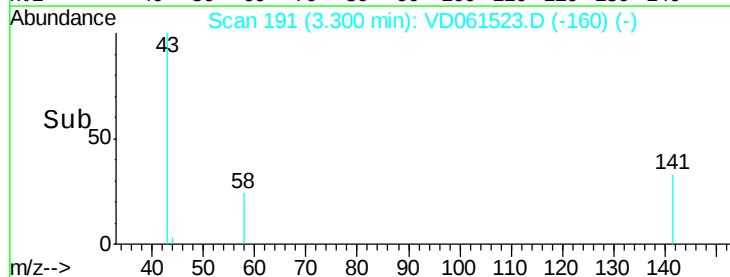
400

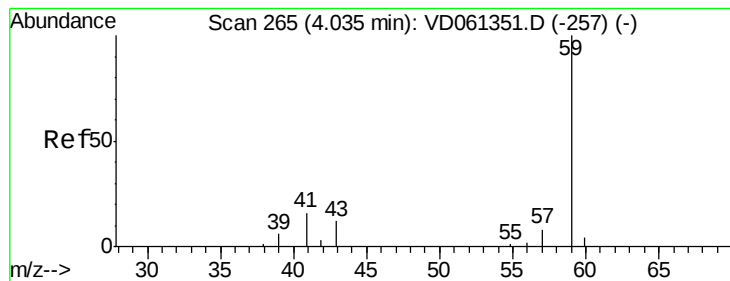
200

0

3.28 3.30 3.32

Time-->



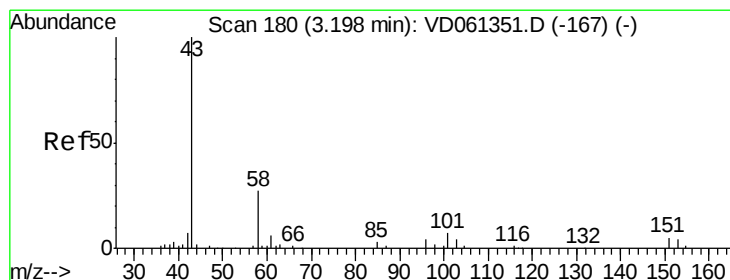
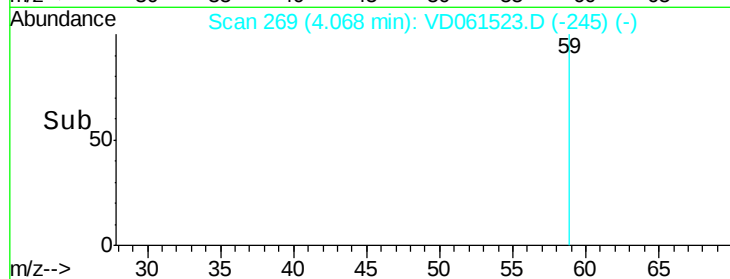
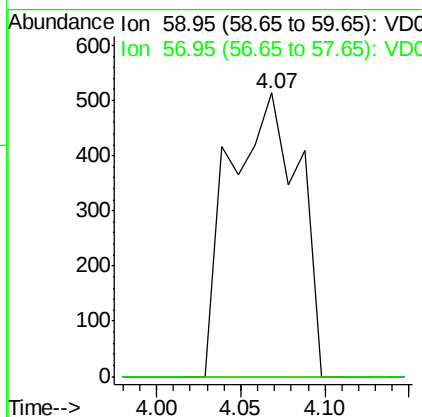
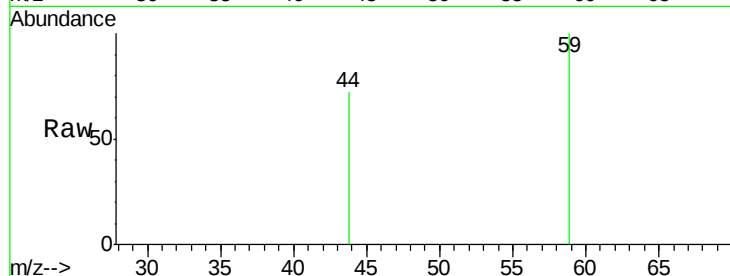


#11

Tert butyl alcohol
 Concen: 11.477 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.03 min
 Lab File: VD061523.D
 Acq: 2 Apr 2019 19:20

Instrument :
 MSVOA_D
 ClientSampleId :
 BELT-PARKWAY-STAGING-YARD-1

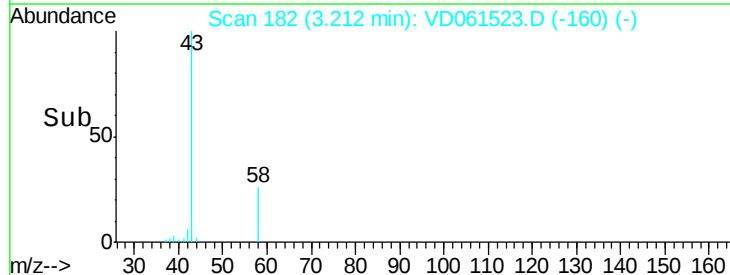
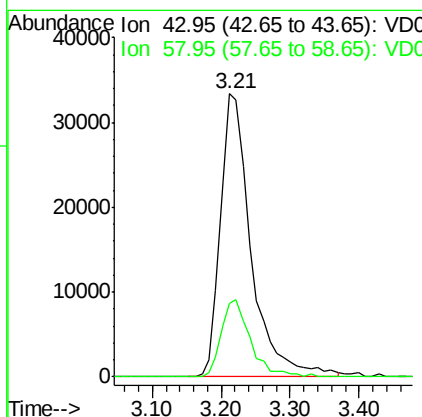
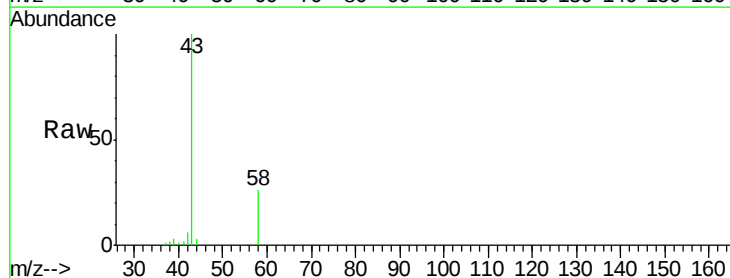
Tot Ion: 59 Resp: 1458
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

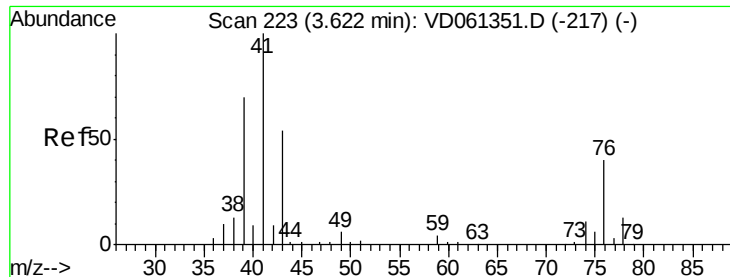


#16

Acetone
 Concen: 196.382 ug/l
 RT: 3.21 min Scan# 182
 Delta R.T. 0.01 min
 Lab File: VD061523.D
 Acq: 2 Apr 2019 19:20

Tgt Ion: 43 Resp: 102980
 Ion Ratio Lower Upper
 43 100
 58 25.8 21.5 32.3

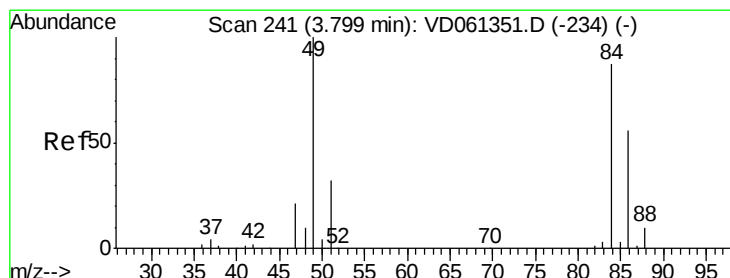
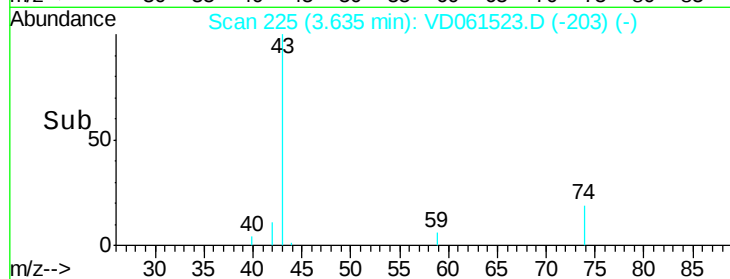
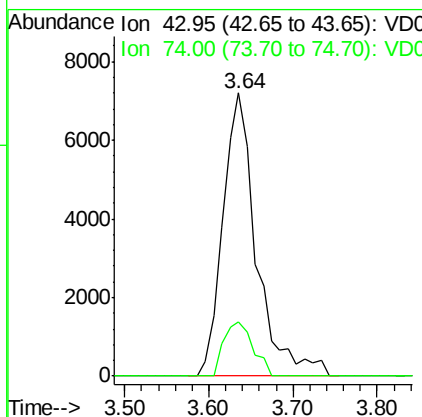
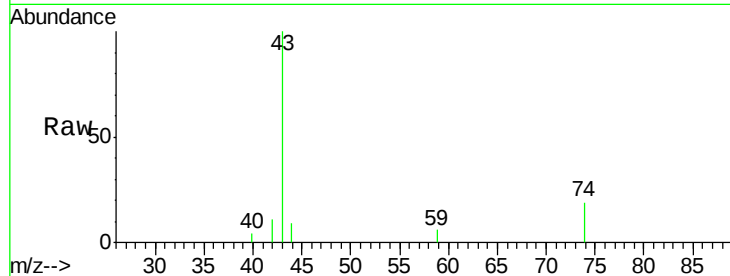




#18
Methyl Acetate
Concen: 18.062 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061523.D
Acq: 2 Apr 2019 19:20

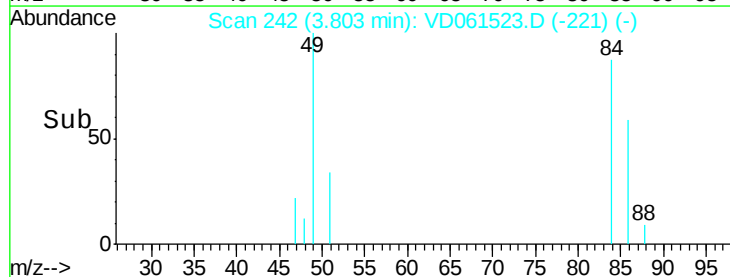
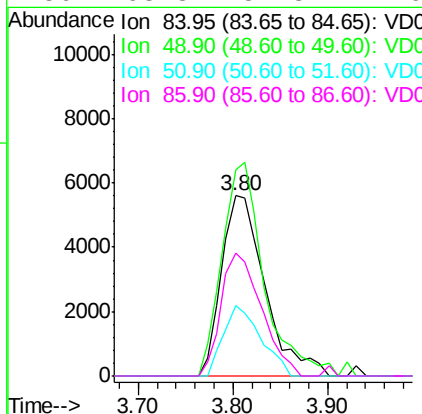
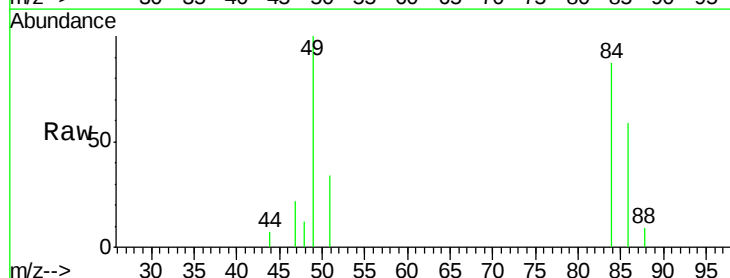
Instrument :
MSVOA_D
ClientSampleId :
BELT-PARKWAY-STAGING-YARD-1

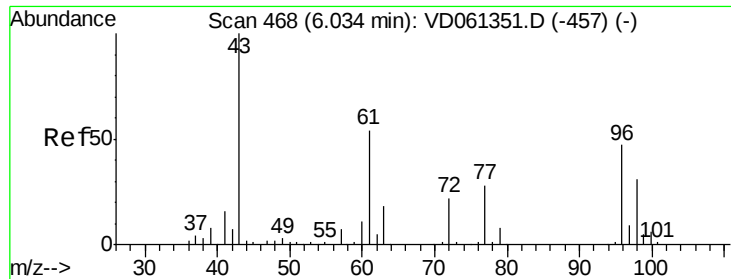
Tot Ion: 43 Resp: 19914
Ion Ratio Lower Upper
43 100
74 19.0 16.7 25.1



#20
Methylene Chloride
Concen: 4.333 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061523.D
Acq: 2 Apr 2019 19:20

Tgt Ion: 84 Resp: 17880
Ion Ratio Lower Upper
84 100
49 114.9 91.8 137.8
51 39.0 29.8 44.8
86 68.3 51.8 77.6

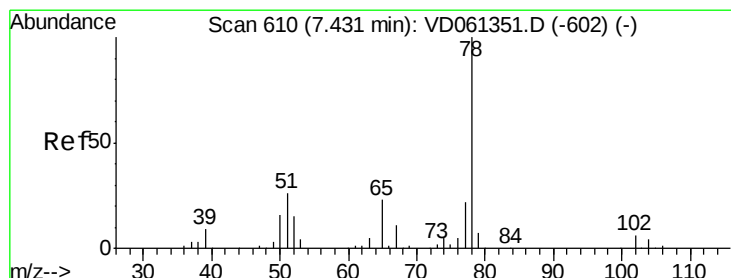
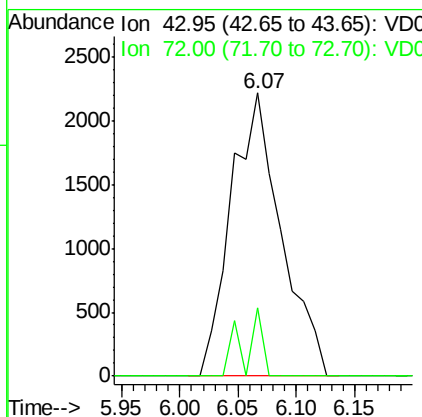
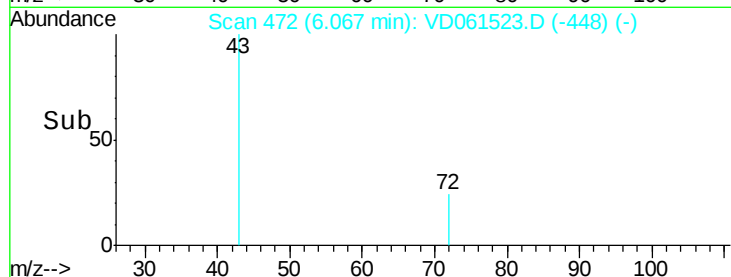
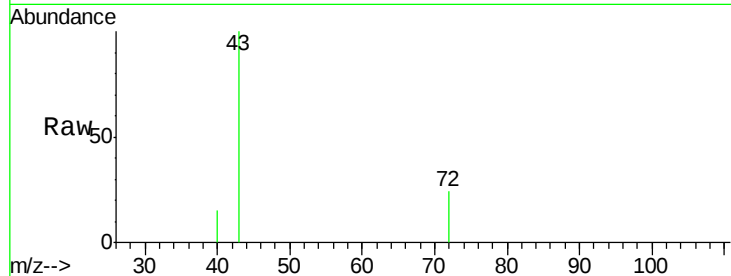




#25
2-Butanone
Concen: 10.009 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.03 min
Lab File: VD061523.D
Acq: 2 Apr 2019 19:20

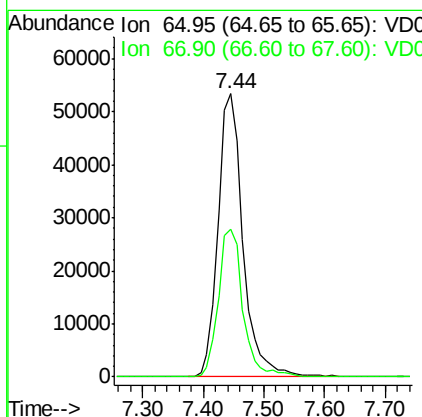
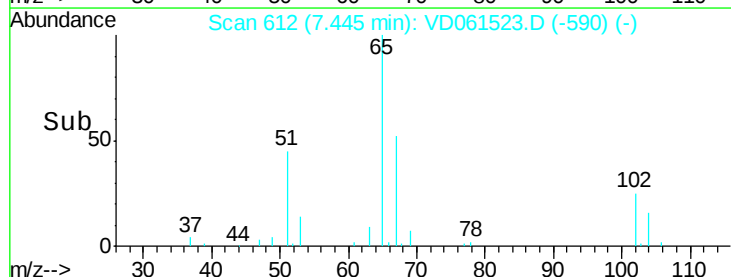
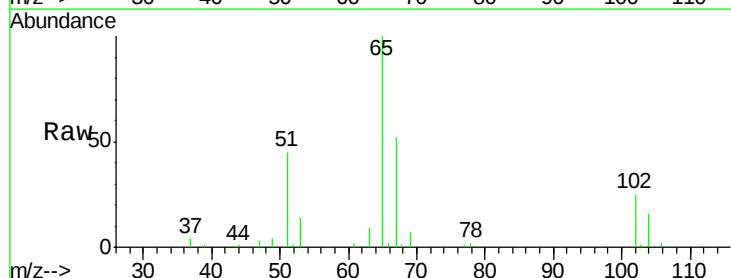
Instrument :
MSVOA_D
ClientSampleId :
BELT-PARKWAY-STAGING-YARD-1

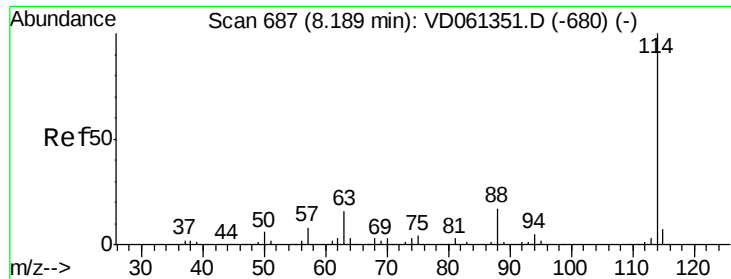
Tot Ion: 43 Resp: 6602
Ion Ratio Lower Upper
43 100
72 24.3 17.2 25.8



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD061523.D
Acq: 2 Apr 2019 19:20

Tgt Ion: 65 Resp: 152825
Ion Ratio Lower Upper
65 100
67 52.3 0.0 99.8

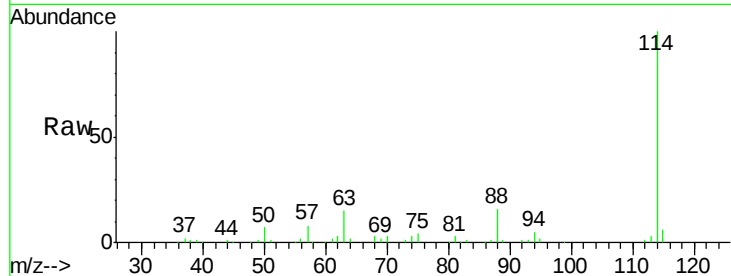




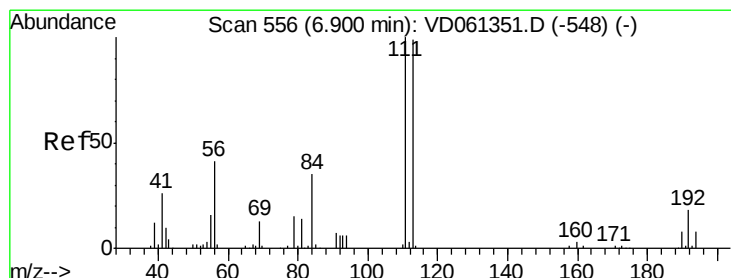
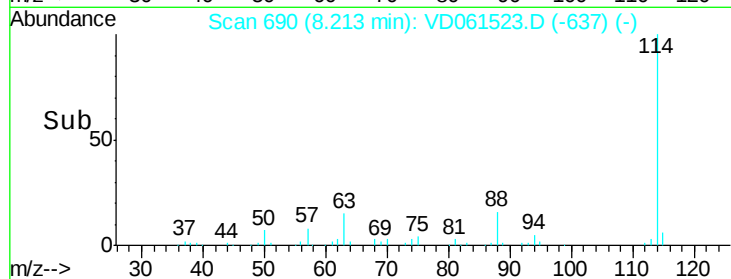
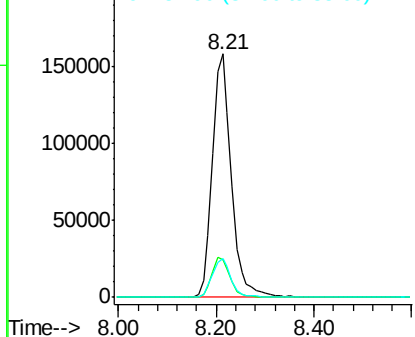
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD061523.D
 Acq: 2 Apr 2019 19:20

Instrument :
 MSVOA_D
 ClientSampleId :
 BELT-PARKWAY-STAGING-YARD-1

Tot Ion:114 Resp: 428040
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 31.6
 88 16.2 0.0 33.4

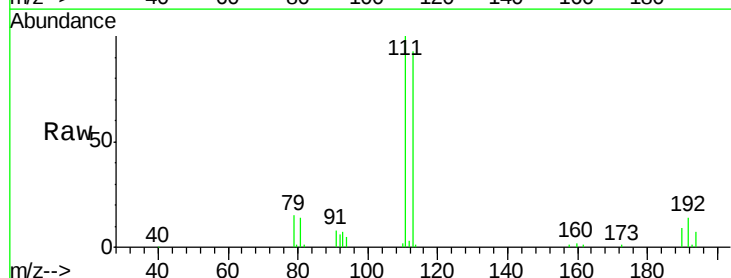


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

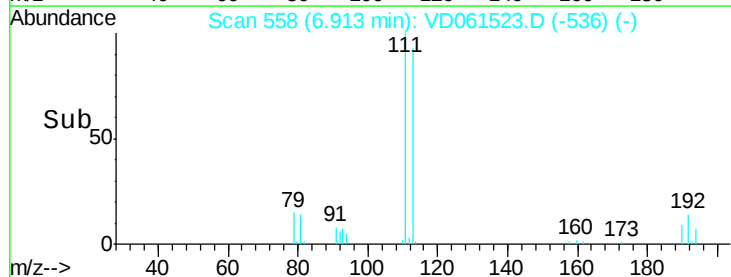
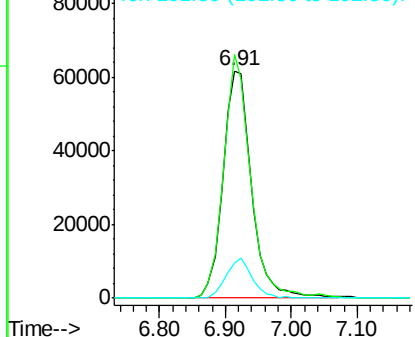


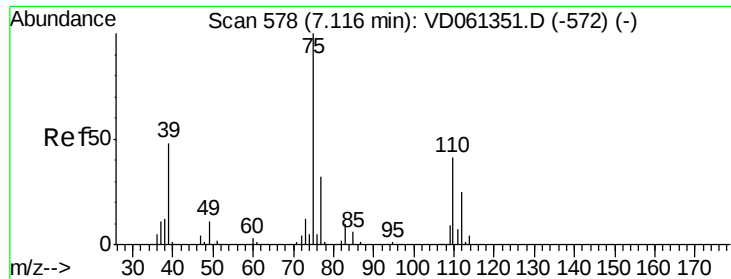
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD061523.D
 Acq: 2 Apr 2019 19:20

Tgt Ion:113 Resp: 187174
 Ion Ratio Lower Upper
 113 100
 111 107.2 81.0 121.6
 192 15.5 14.4 21.6



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: 4.562 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061523.D

Acq: 2 Apr 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

BELT-PARKWAY-STAGING-YARD-1

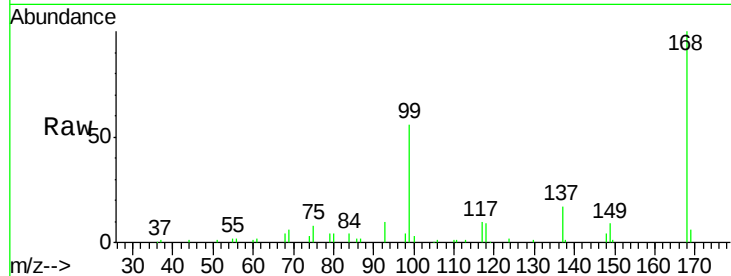
Tot Ion: 75 Resp: 17043

Ion Ratio Lower Upper

75 100

110 8.1 20.4 61.3#

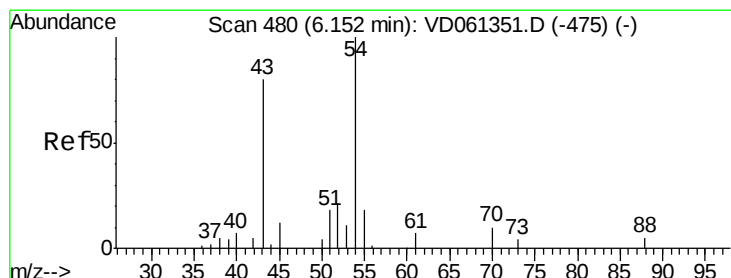
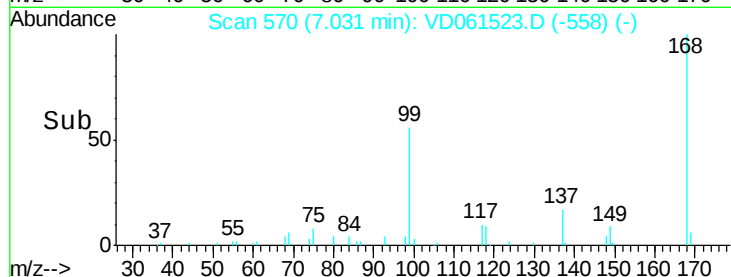
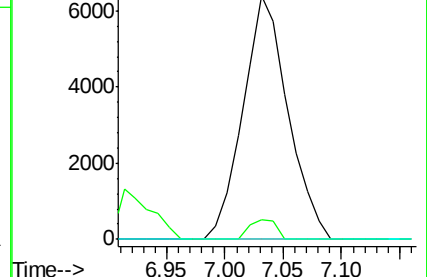
77 0.0 24.9 37.3#



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: 4.132 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.08 min

Lab File: VD061523.D

Acq: 2 Apr 2019 19:20

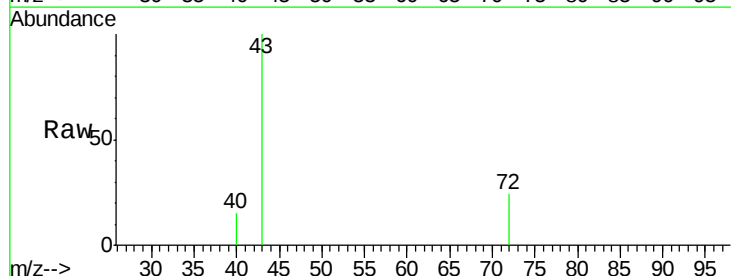
Tgt Ion: 43 Resp: 6602

Ion Ratio Lower Upper

43 100

61 0.0 13.8 20.8#

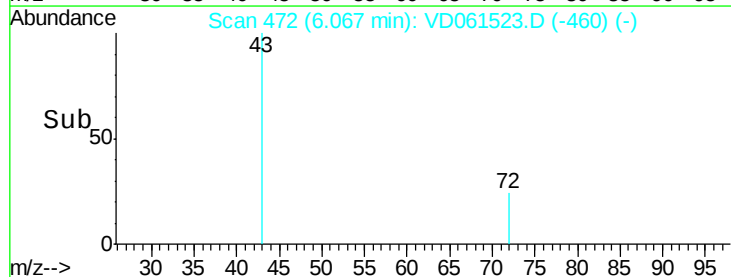
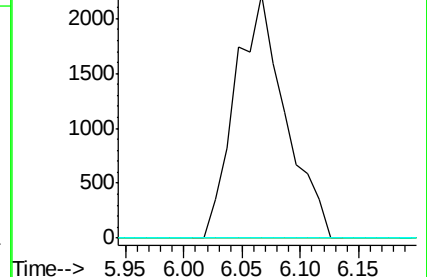
70 0.0 7.8 11.8#

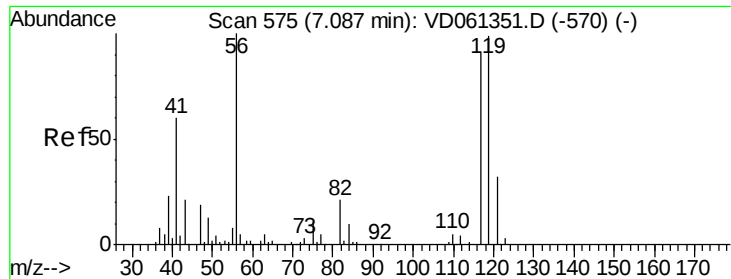


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.355 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD061523.D

Acq: 2 Apr 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

BELT-PARKWAY-STAGING-YARD-1

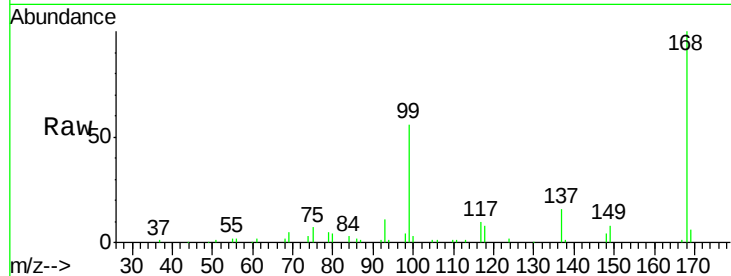
Tot Ion:117 Resp: 22989

Ion Ratio Lower Upper

117 100

119 0.0 80.1 120.1#

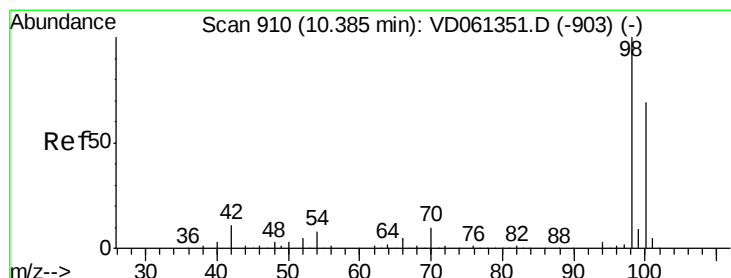
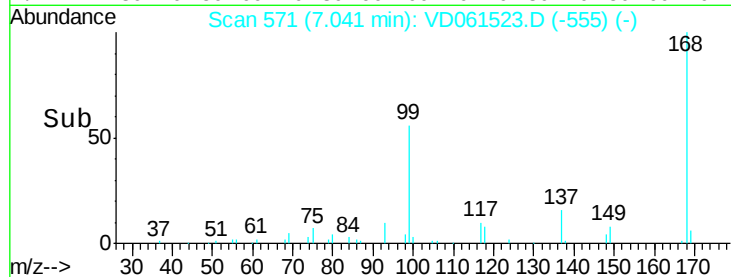
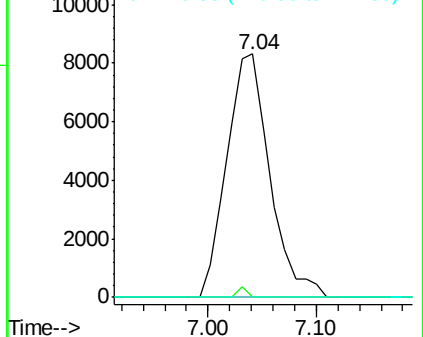
121 0.0 25.6 38.4#



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: 10.40 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD061523.D

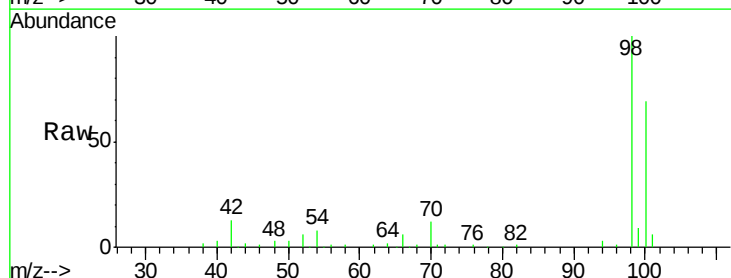
Acq: 2 Apr 2019 19:20

Tgt Ion: 98 Resp: 280855

Ion Ratio Lower Upper

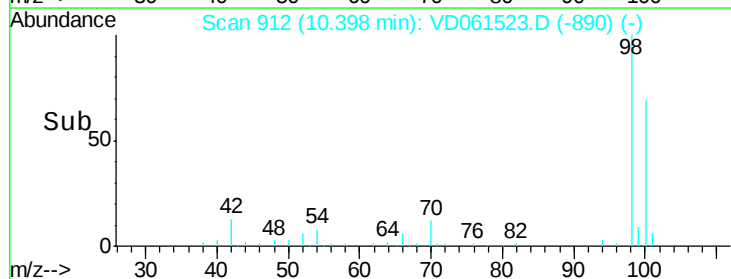
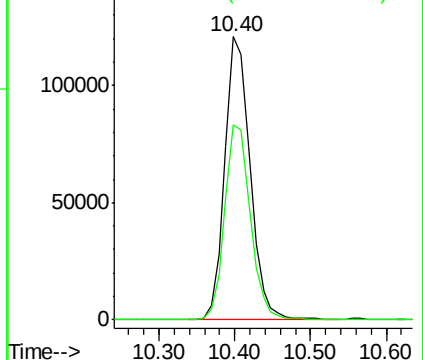
98 100

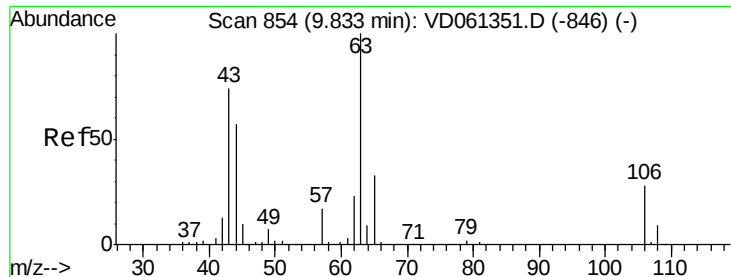
100 68.7 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

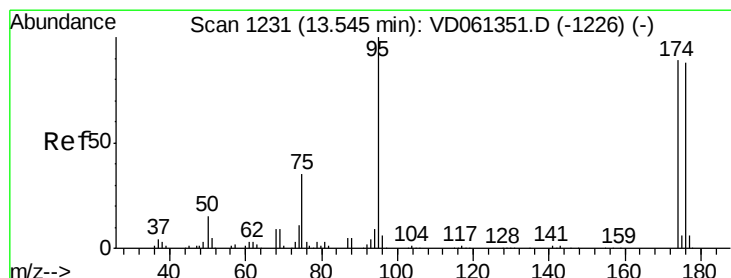
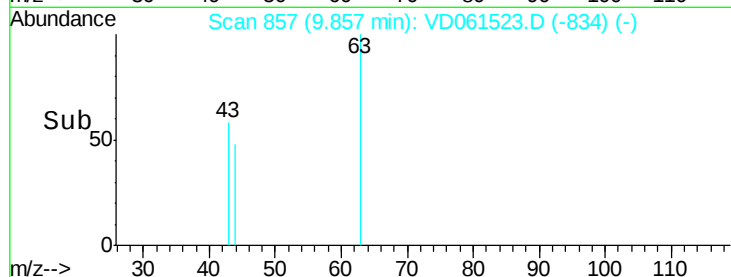
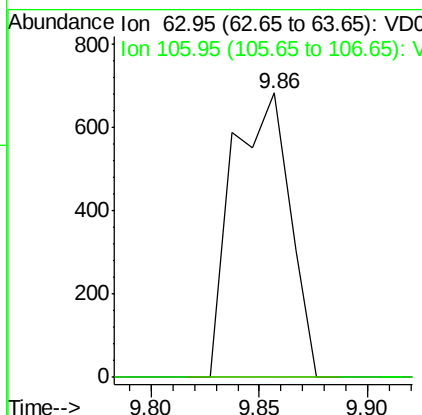
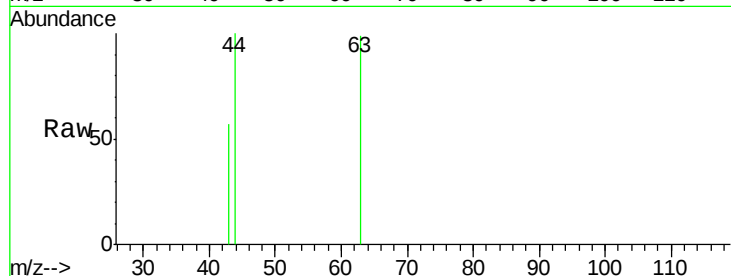




#58
2-Chloroethyl Vinyl ether
Concen: 1.196 ug/l
RT: 9.86 min Scan# 857
Delta R.T. 0.02 min
Lab File: VD061523.D
Acq: 2 Apr 2019 19:20

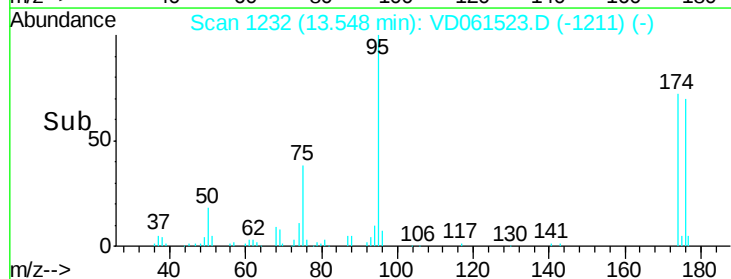
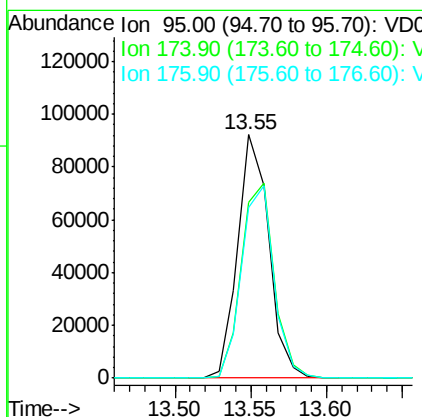
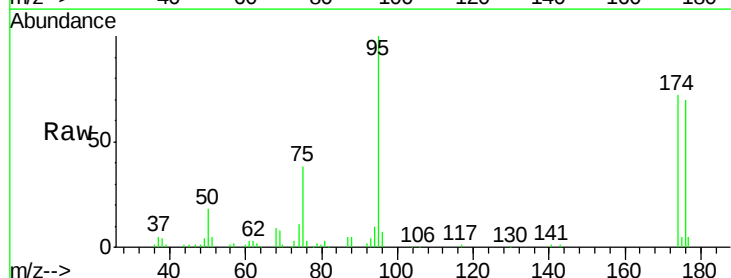
Instrument :
MSVOA_D
ClientSampleId :
BELT-PARKWAY-STAGING-YARD-1

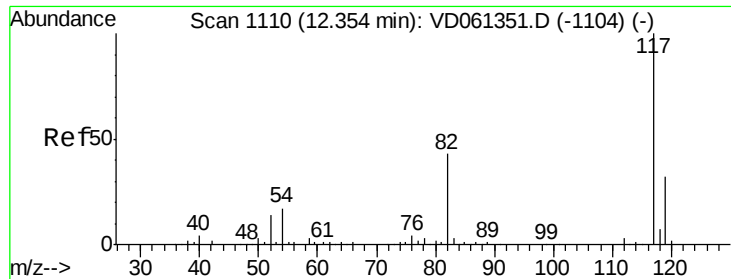
Tot Ion: 63 Resp: 1252
Ion Ratio Lower Upper
63 100
106 0.0 22.4 33.6#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061523.D
Acq: 2 Apr 2019 19:20

Tgt Ion: 95 Resp: 131340
Ion Ratio Lower Upper
95 100
174 72.2 0.0 178.0
176 70.3 0.0 175.0

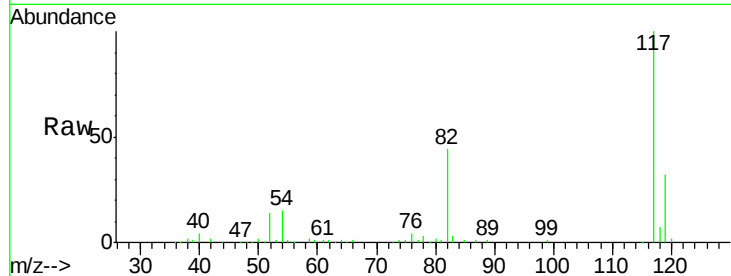




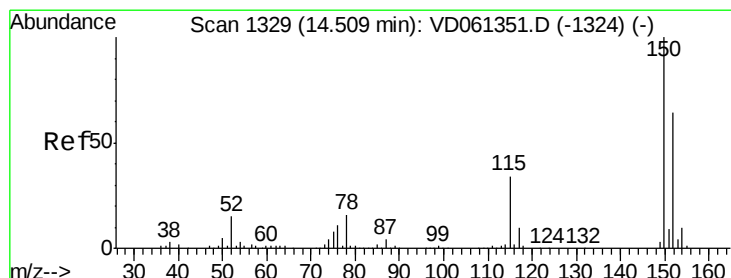
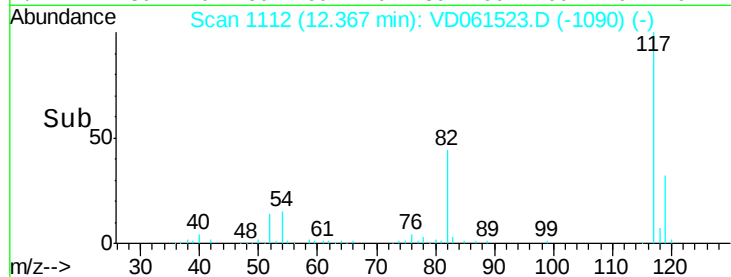
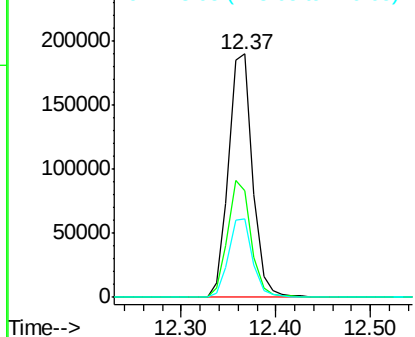
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061523.D
Acq: 2 Apr 2019 19:20

Instrument :
MSVOA_D
ClientSampleId :
BELT-PARKWAY-STAGING-YARD-1

Tot Ion:117 Resp: 335033
Ion Ratio Lower Upper
117 100
82 43.8 34.4 51.6
119 32.4 25.8 38.6

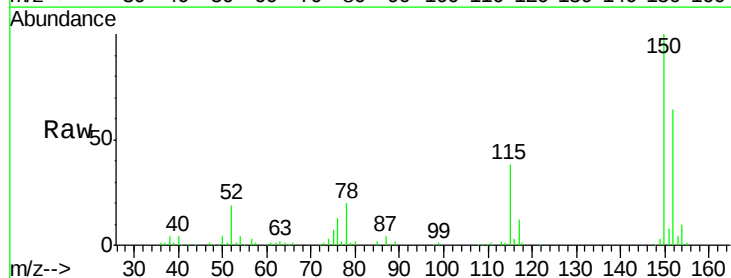


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

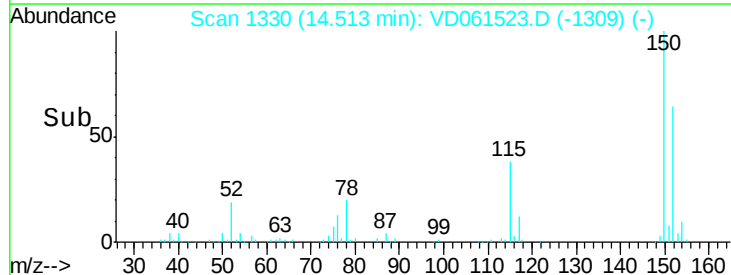
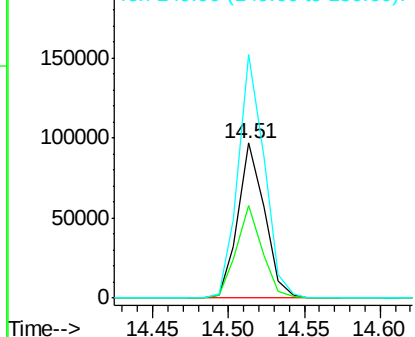


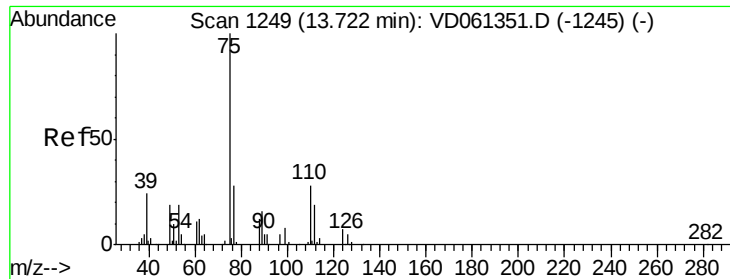
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061523.D
Acq: 2 Apr 2019 19:20

Tgt Ion:152 Resp: 118041
Ion Ratio Lower Upper
152 100
115 59.4 26.9 80.6
150 157.0 0.0 318.0



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





#76

1,2,3-Trichloropropane

Concen: 23.525 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061523.D

Acq: 2 Apr 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

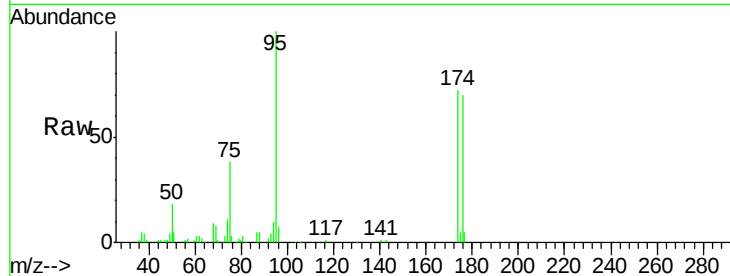
BELT-PARKWAY-STAGING-YARD-1

Tot Ion: 75 Resp: 40113

Ion Ratio Lower Upper

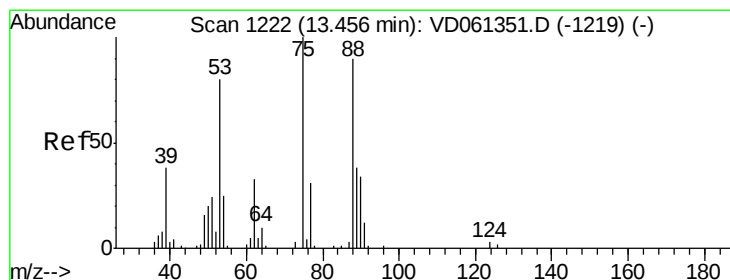
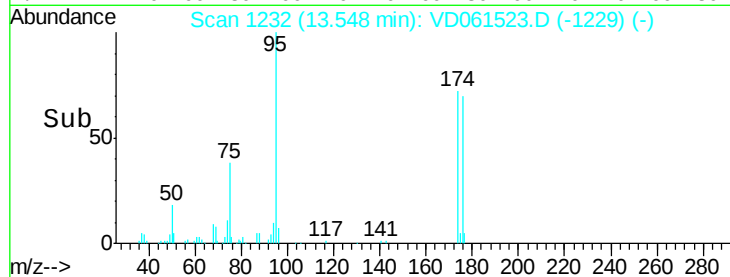
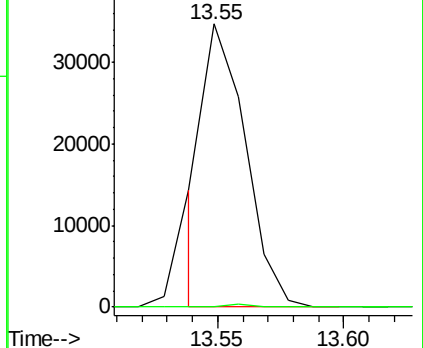
75 100

77 0.0 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 95.002 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061523.D

Acq: 2 Apr 2019 19:20

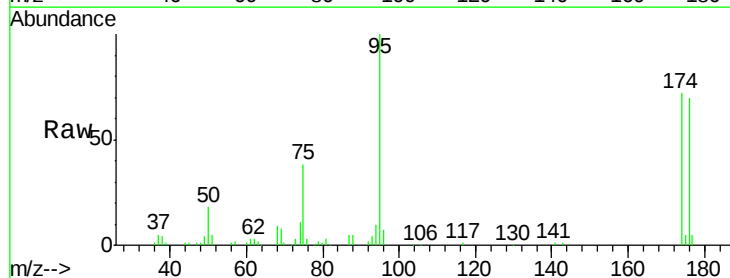
Tgt Ion: 75 Resp: 49391

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

