

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061524.D
 Acq On : 2 Apr 2019 19:48
 Operator : VA/AP
 Sample : K2186-15RE
 Misc : 4.42g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BELT-PARKWAY-STAGING-YARD-2

Quant Time: Apr 03 01:54:59 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	397516	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	722058	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	377842	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	110542	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	227538	67.01	ug/l	0.01
Spiked Amount			Recovery	=	134.02%	
35) Dibromofluoromethane	6.92	113	328691	59.57	ug/l	0.02
Spiked Amount			Recovery	=	119.14%	
50) Toluene-d8	10.41	98	452114	34.16	ug/l	0.02
Spiked Amount			Recovery	=	68.32%	
62) 4-Bromofluorobenzene	13.56	95	164516	32.42	ug/l	0.01
Spiked Amount			Recovery	=	64.84%	

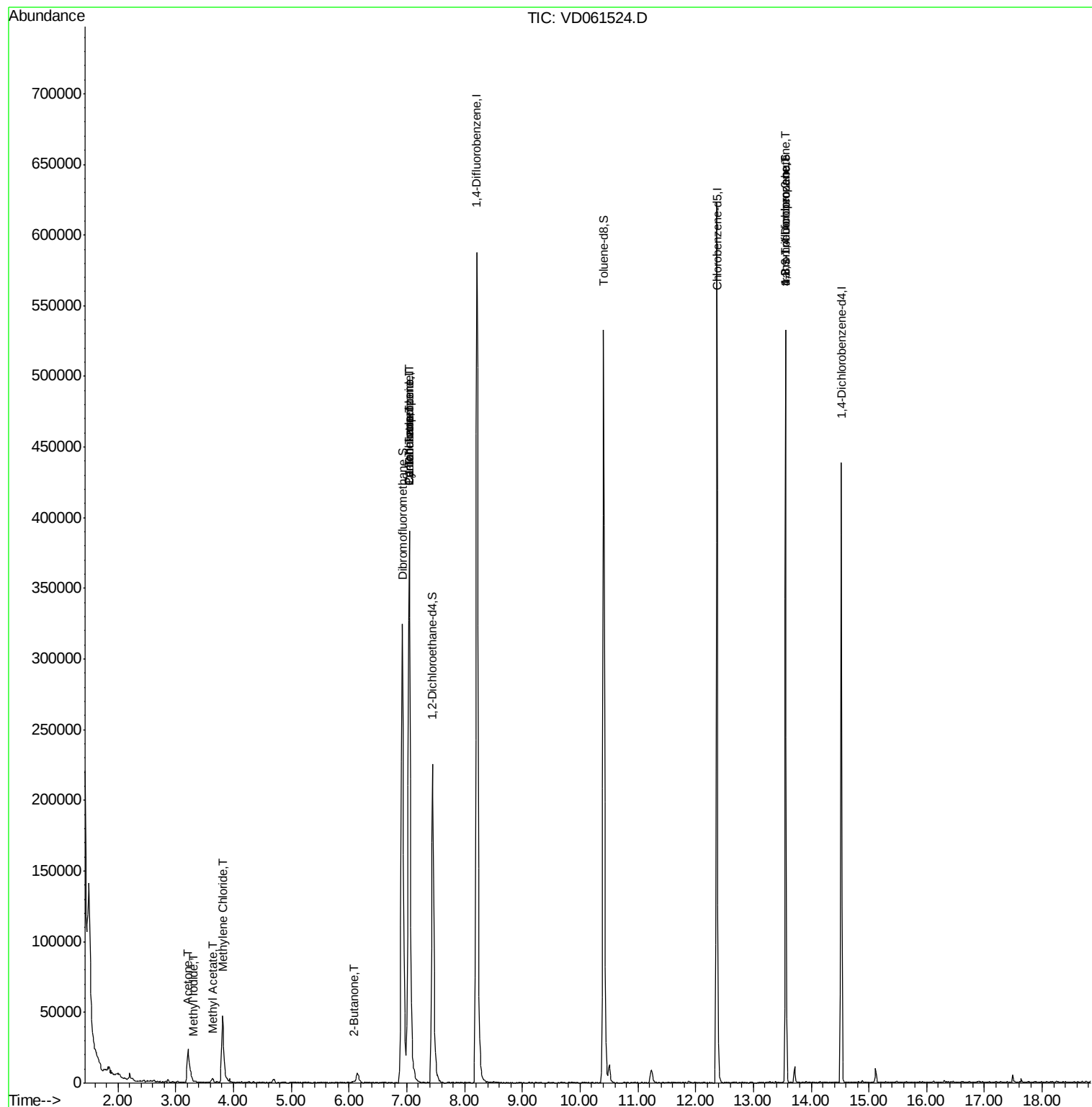
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	180	3.488	ug/l #	38
16) Acetone	3.21	43	48487	55.545	ug/l	98
18) Methyl Acetate	3.64	43	5658	3.083	ug/l	98
20) Methylene Chloride	3.81	84	36626	5.792	ug/l	93
25) 2-Butanone	6.08	43	1795	1.635	ug/l #	54
31) Cyclohexane	7.04	56	6751	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	27795	4.411	ug/l #	44
38) Carbon Tetrachloride	7.04	117	38364	5.298	ug/l #	13
76) 1,2,3-Trichloropropane	13.56	75	56012	35.078	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	60106	123.455	ug/l #	18

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061524.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_D

ClientSampleId :

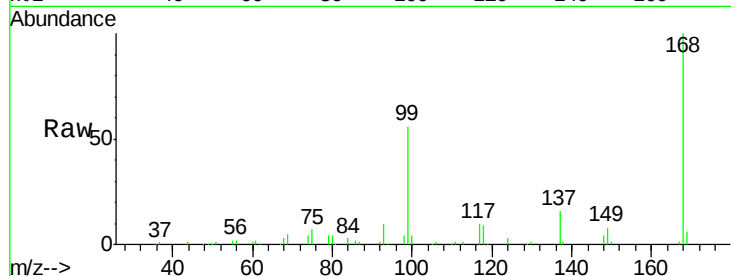
BELT-PARKWAY-STAGING-YARD-2

Tot Ion:168 Resp: 397516

Ion Ratio Lower Upper

168 100

99 56.4 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

150000

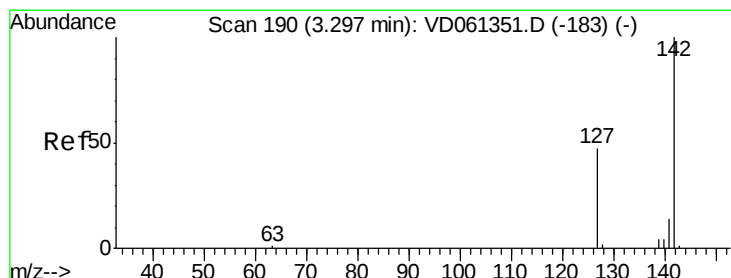
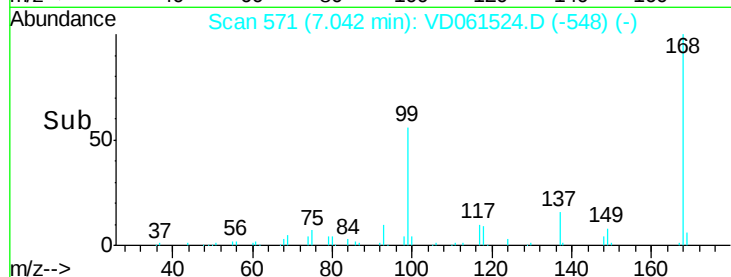
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 3.488 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061524.D

Acq: 2 Apr 2019 19:48

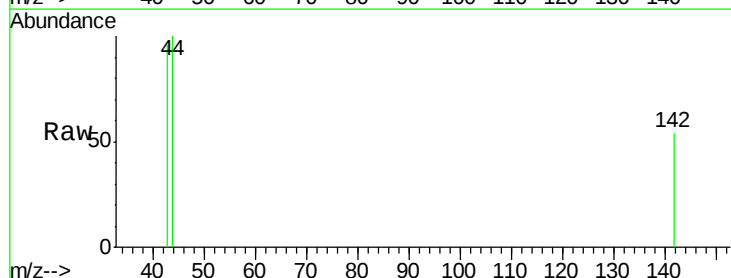
Tgt Ion:142 Resp: 180

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

3.32

400

300

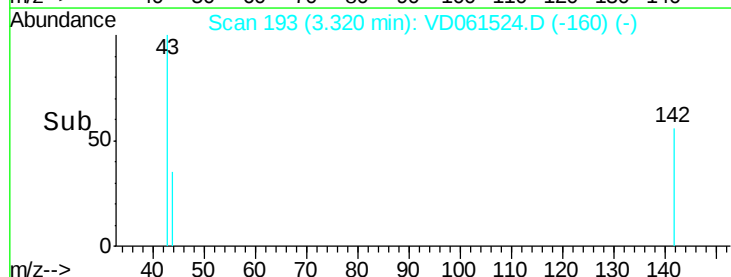
200

100

0

3.30 3.32 3.34

Time-->





#16

Acetone

Concen: 55.545 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061524.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_D

ClientSampleId :

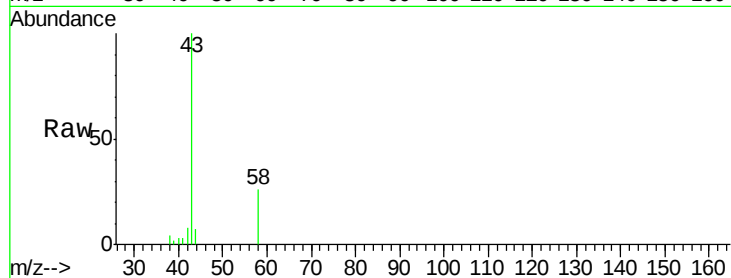
BELT-PARKWAY-STAGING-YARD-2

Tot Ion: 43 Resp: 48487

Ion Ratio Lower Upper

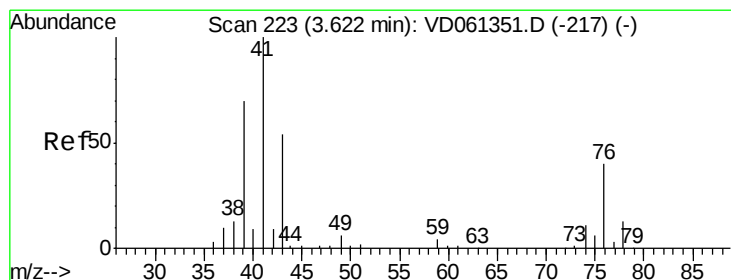
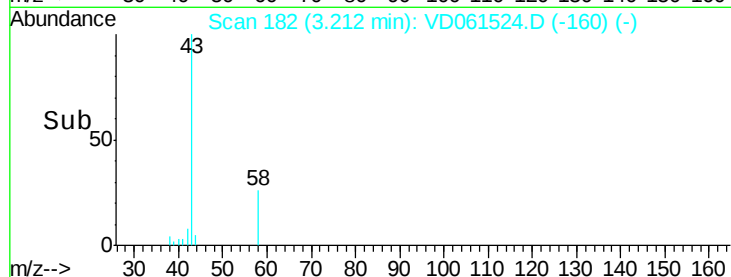
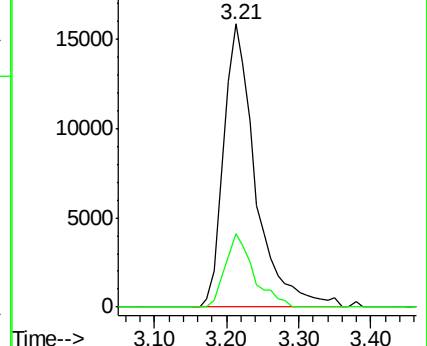
43 100

58 25.9 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 3.083 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061524.D

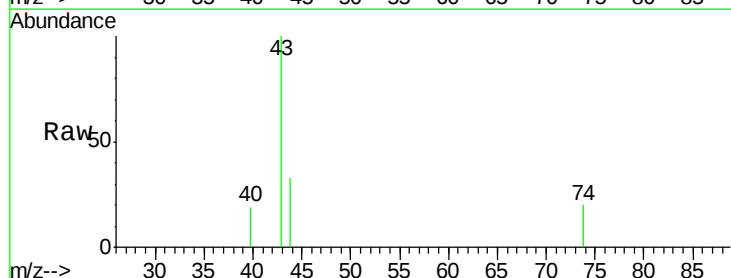
Acq: 2 Apr 2019 19:48

Tgt Ion: 43 Resp: 5658

Ion Ratio Lower Upper

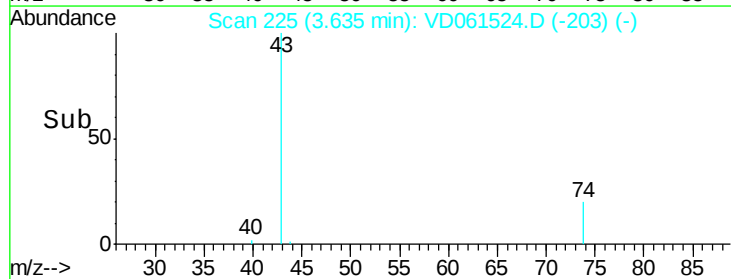
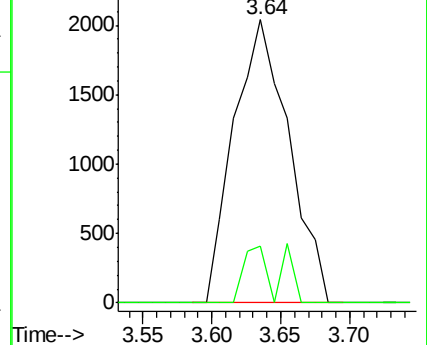
43 100

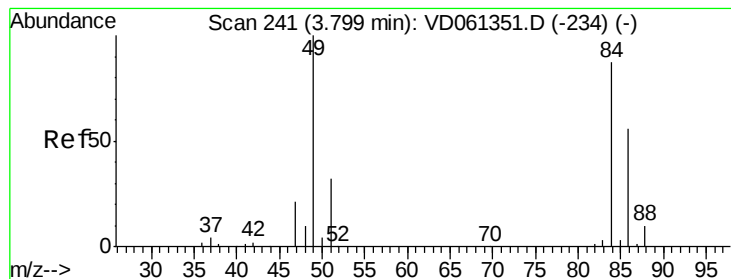
74 20.1 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methvlene Chloride

Concen: 5.792 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD061524.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_D

ClientSampleId :

BELT-PARKWAY-STAGING-YARD-2

Tot Ion: 84 Resp: 36626

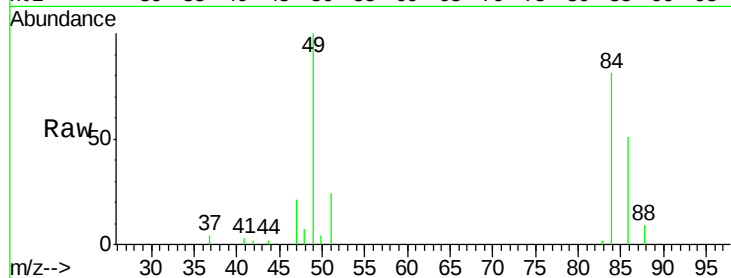
Ion Ratio Lower Upper

84 100

49 123.9 91.8 137.8

51 30.2 29.8 44.8

86 62.7 51.8 77.6

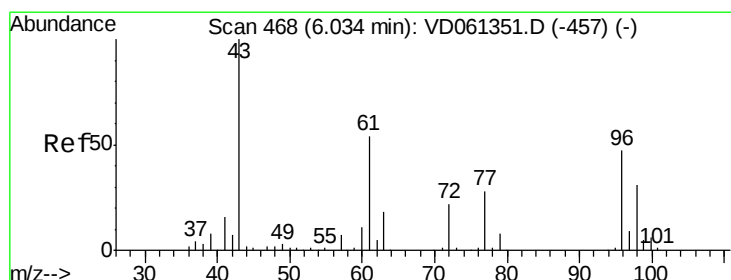
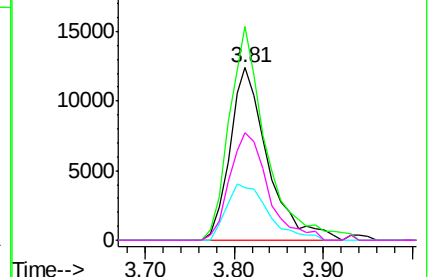
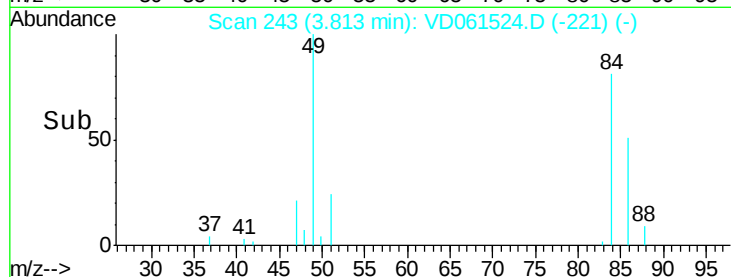


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.635 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD061524.D

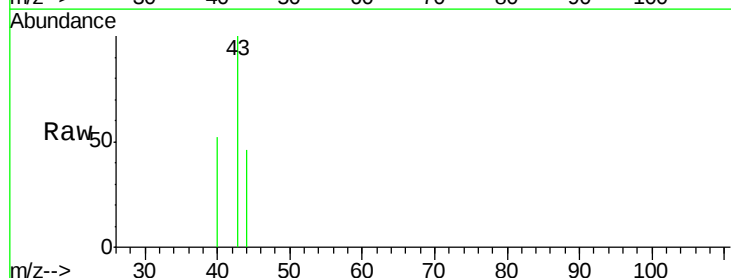
Acq: 2 Apr 2019 19:48

Tgt Ion: 43 Resp: 1795

Ion Ratio Lower Upper

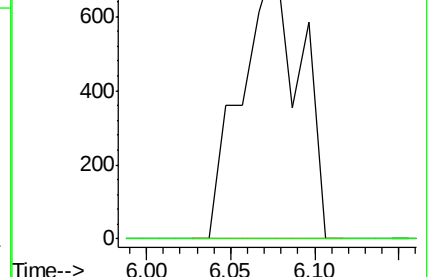
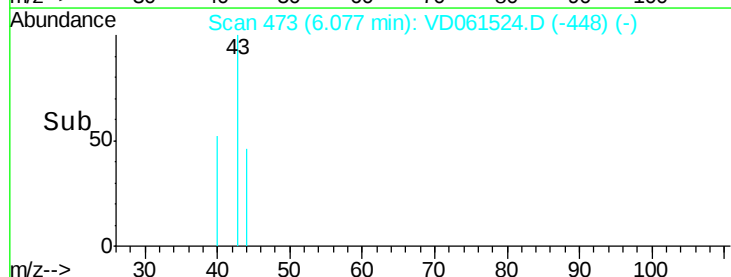
43 100

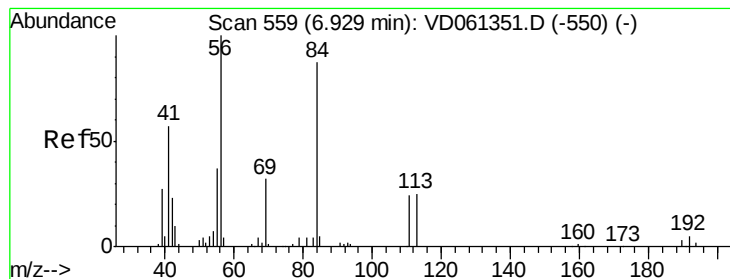
72 0.0 17.2 25.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.154 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD061524.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_D

ClientSampleId :

BELT-PARKWAY-STAGING-YARD-2

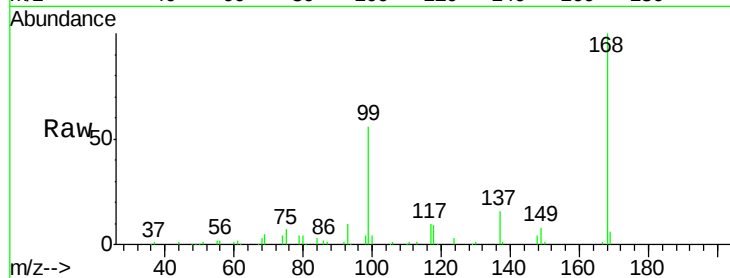
Tot Ion: 56 Resp: 6751

Ion Ratio Lower Upper

56 100

69 250.7 25.7 38.5#

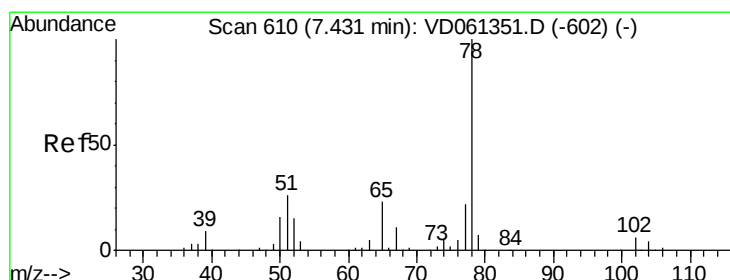
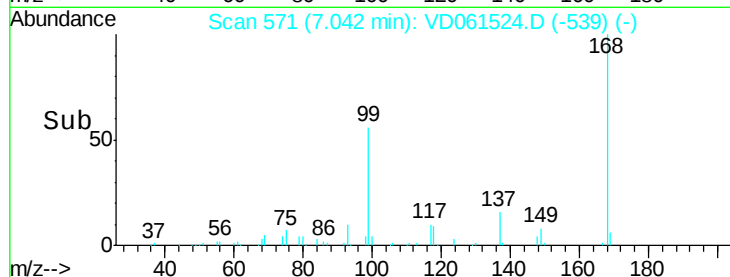
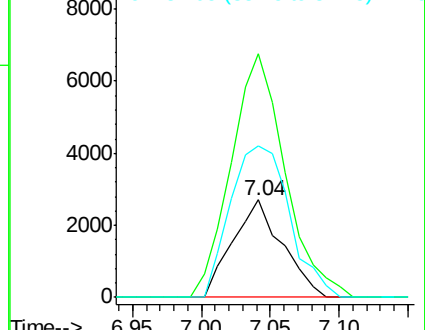
84 156.0 70.6 105.8#



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: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061524.D

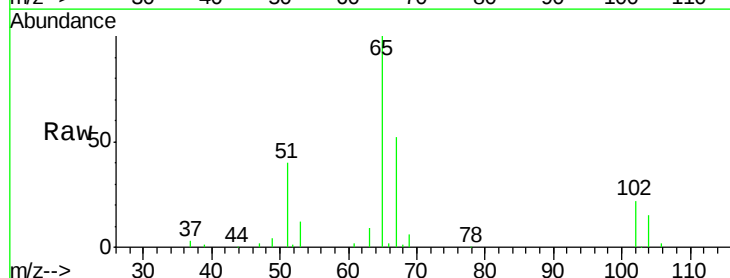
Acq: 2 Apr 2019 19:48

Tgt Ion: 65 Resp: 227538

Ion Ratio Lower Upper

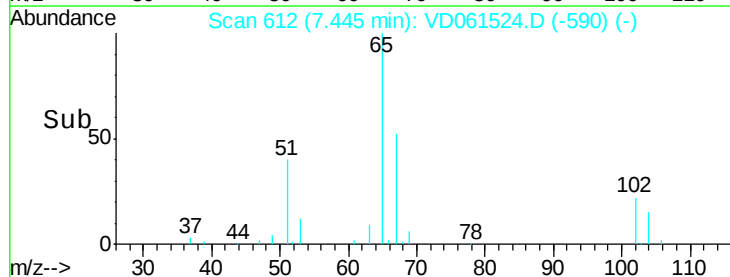
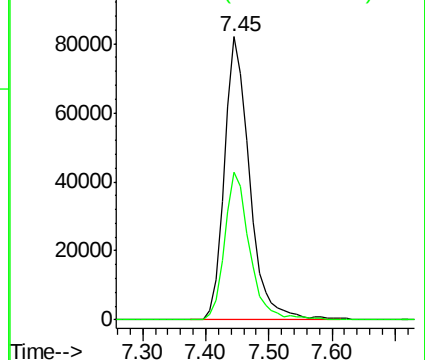
65 100

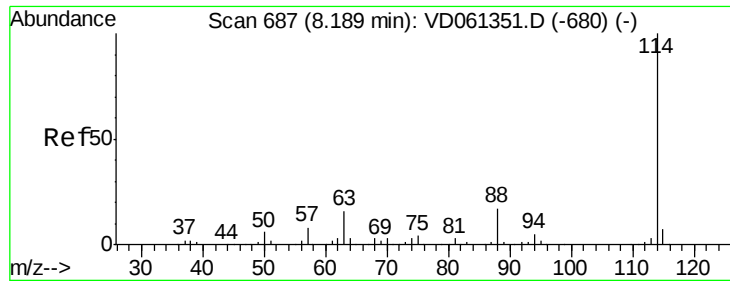
67 52.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

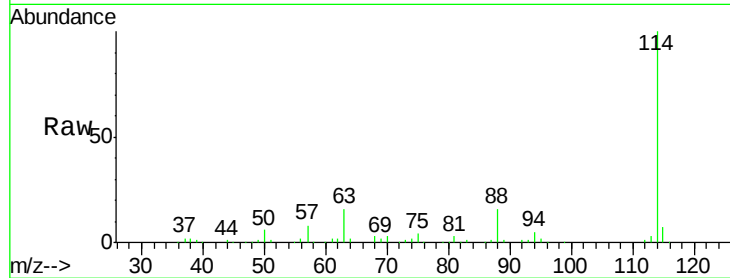




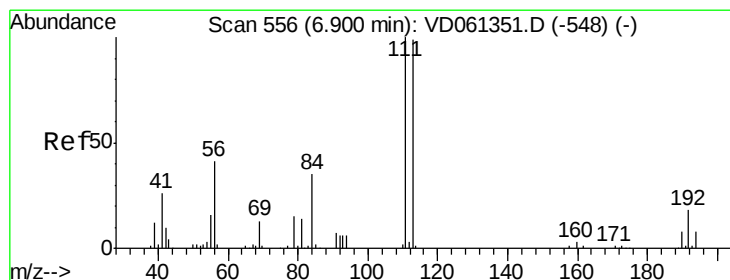
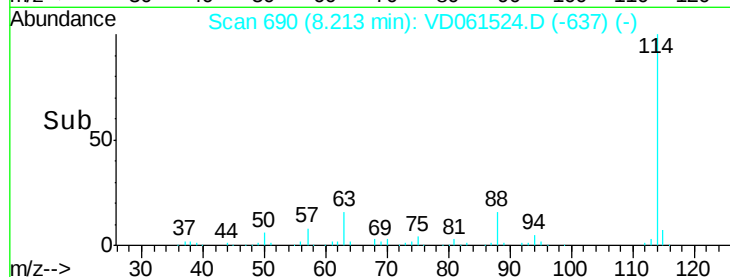
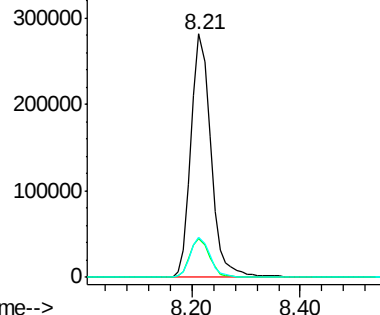
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD061524.D
 Acq: 2 Apr 2019 19:48

Instrument :
 MSVOA_D
 ClientSampleId :
 BELT-PARKWAY-STAGING-YARD-2

Tot Ion:114 Resp: 722058
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.6
 88 16.4 0.0 33.4

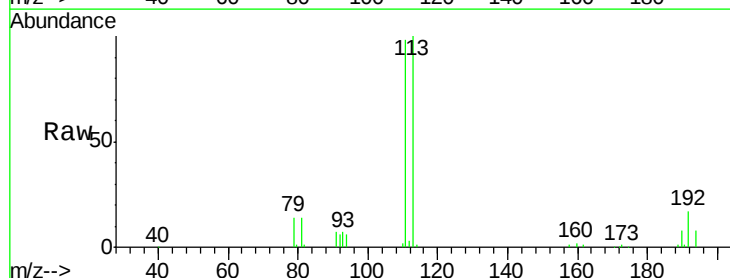


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

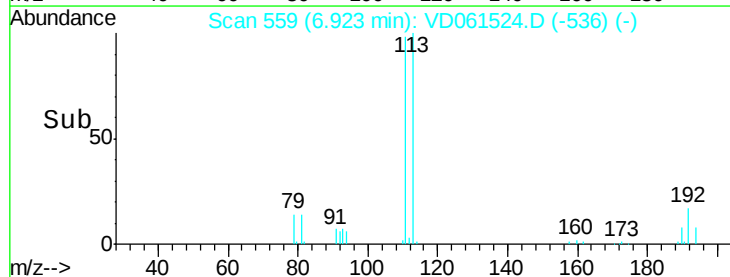
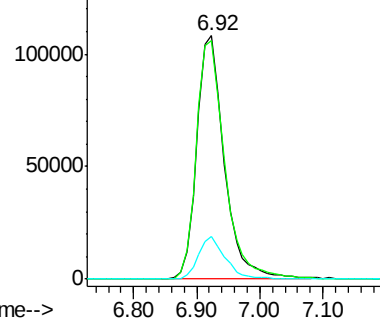


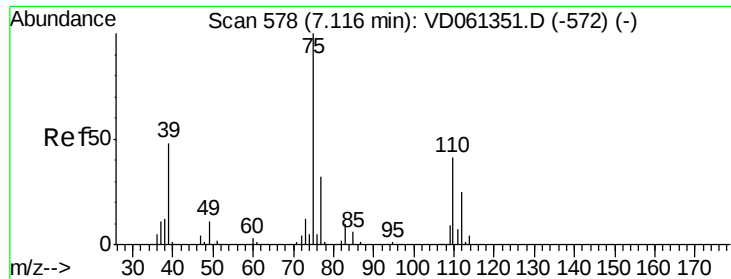
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD061524.D
 Acq: 2 Apr 2019 19:48

Tgt Ion:113 Resp: 328691
 Ion Ratio Lower Upper
 113 100
 111 98.0 81.0 121.6
 192 17.3 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: 4.411 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061524.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_D

ClientSampleId :

BELT-PARKWAY-STAGING-YARD-2

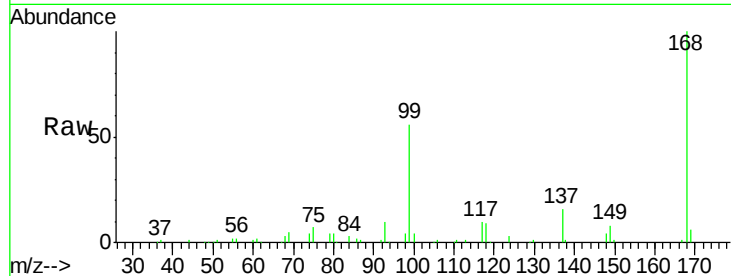
Tot Ion: 75 Resp: 27795

Ion Ratio Lower Upper

75 100

110 6.2 20.4 61.3#

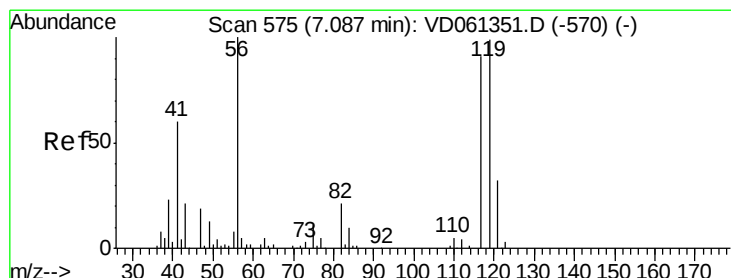
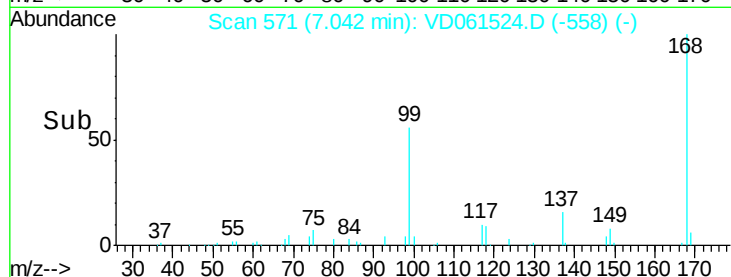
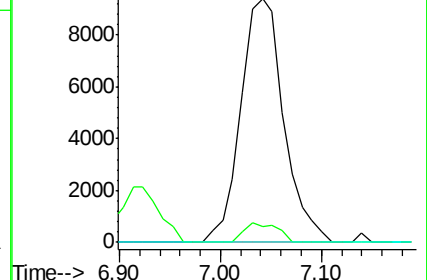
77 0.0 24.9 37.3#



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: 5.298 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD061524.D

Acq: 2 Apr 2019 19:48

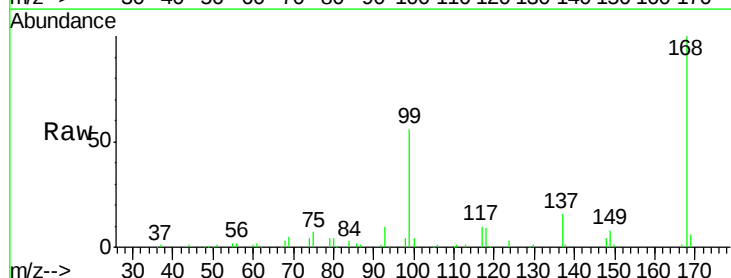
Tgt Ion: 117 Resp: 38364

Ion Ratio Lower Upper

117 100

119 3.6 80.1 120.1#

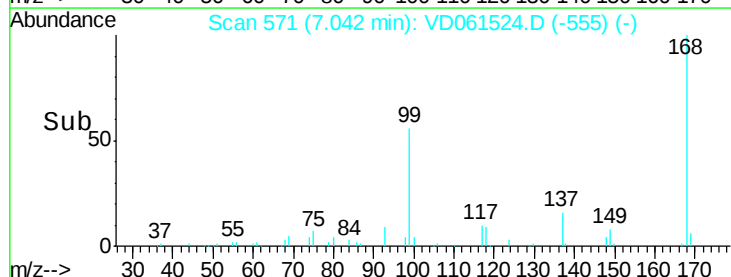
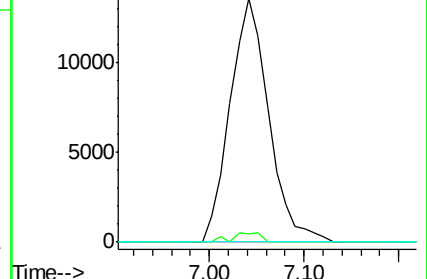
121 0.0 25.6 38.4#

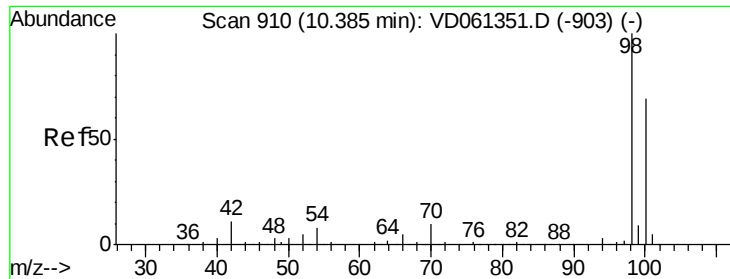


Abundance Ion 116.85 (116.55 to 117.55): V

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: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD061524.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_D

ClientSampleId :

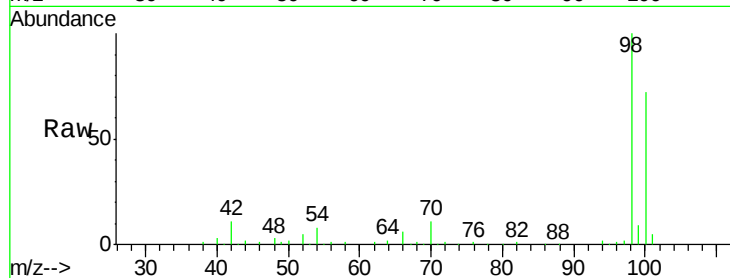
BELT-PARKWAY-STAGING-YARD-2

Tot Ion: 98 Resp: 452114

Ion Ratio Lower Upper

98 100

100 72.1 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)

Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

10.41

200000

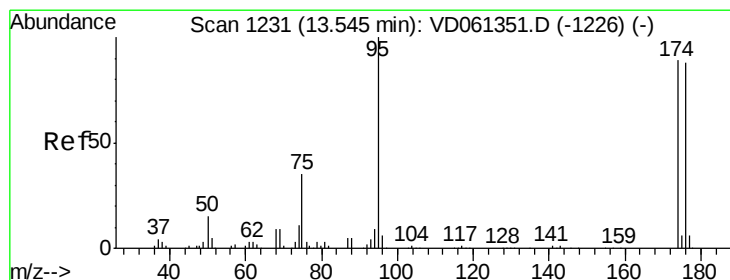
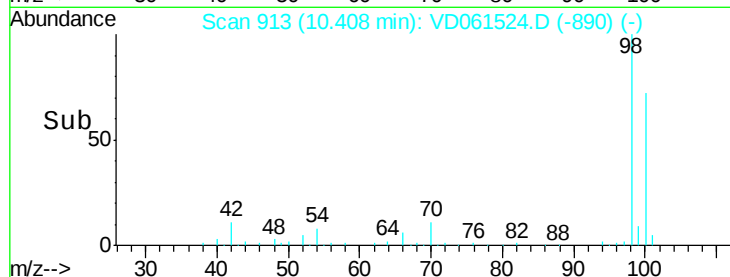
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061524.D

Acq: 2 Apr 2019 19:48

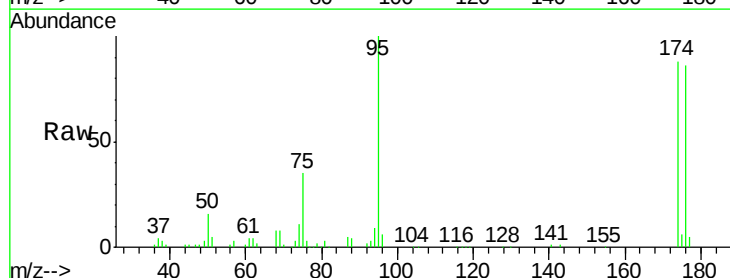
Tgt Ion: 95 Resp: 164516

Ion Ratio Lower Upper

95 100

174 88.0 0.0 178.0

176 86.3 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)

Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)

Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)

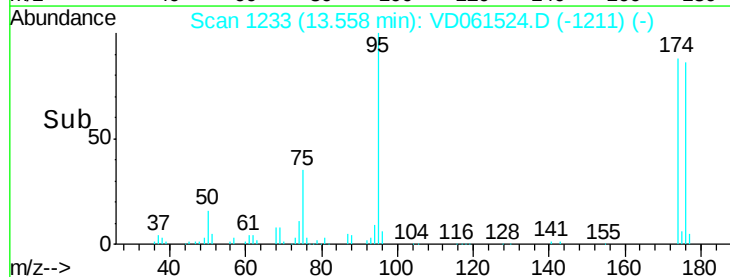
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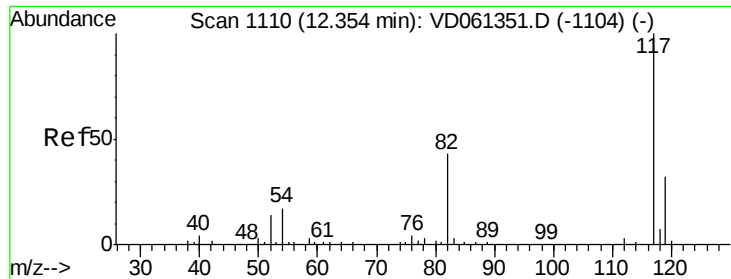
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50000

0

Time-->

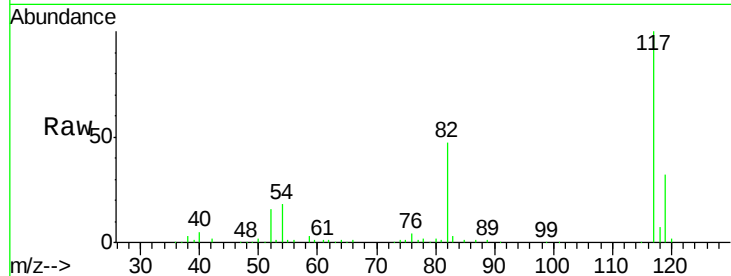




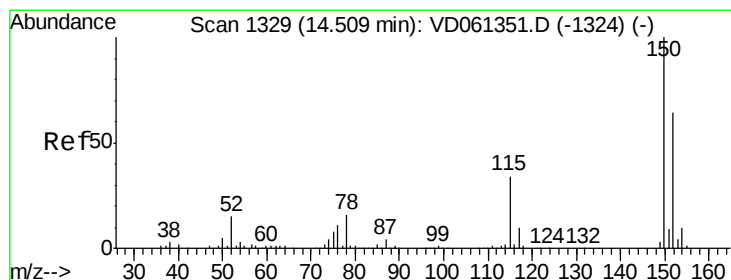
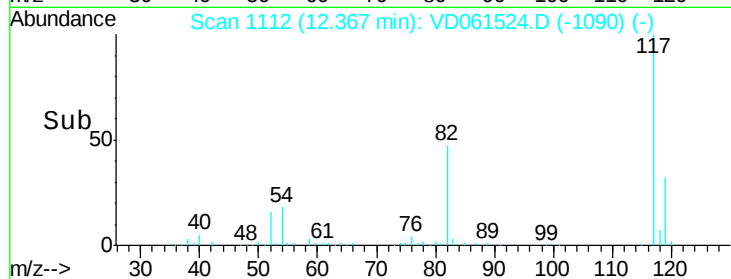
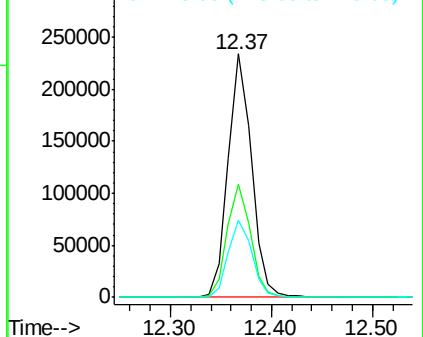
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061524.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_D
ClientSampleId :
BELT-PARKWAY-STAGING-YARD-2

Tot Ion:117 Resp: 377842
Ion Ratio Lower Upper
117 100
82 46.6 34.4 51.6
119 31.7 25.8 38.6

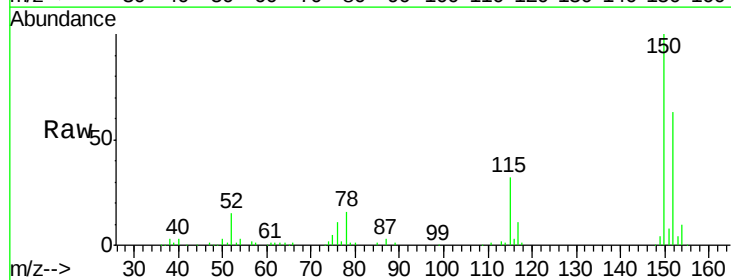


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

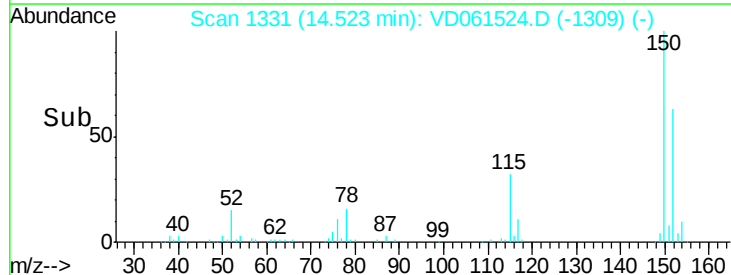
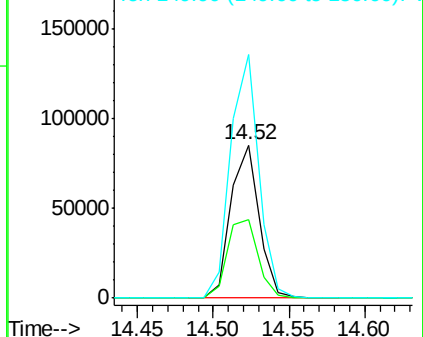


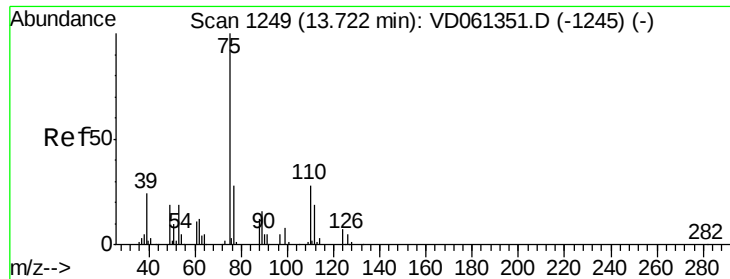
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061524.D
Acq: 2 Apr 2019 19:48

Tgt Ion:152 Resp: 110542
Ion Ratio Lower Upper
152 100
115 51.7 26.9 80.6
150 159.4 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: 35.078 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061524.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_D

ClientSampleId :

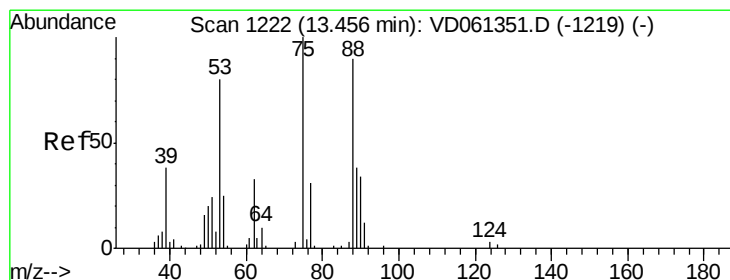
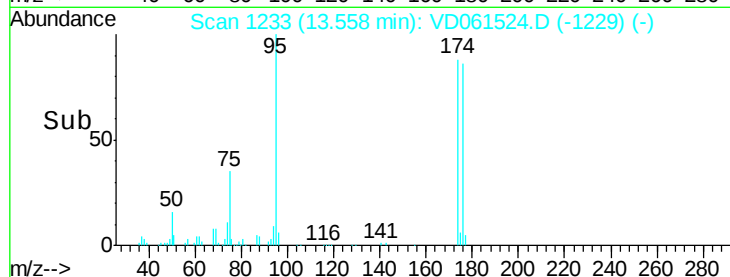
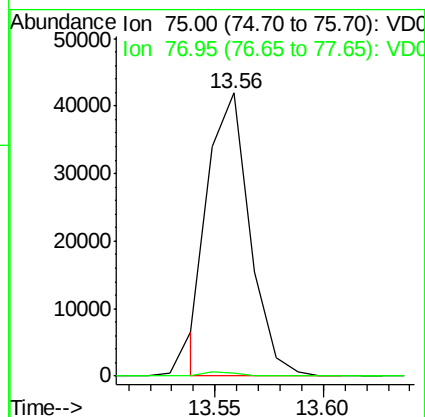
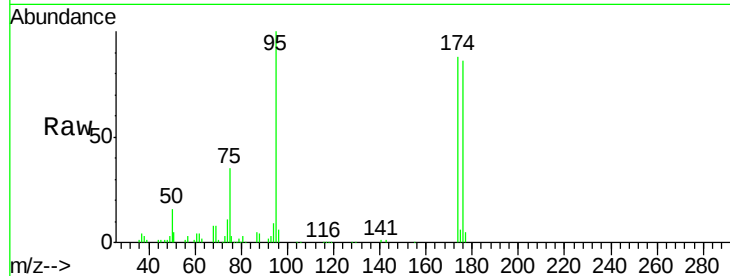
BELT-PARKWAY-STAGING-YARD-2

Tot Ion: 75 Resp: 56012

Ion Ratio Lower Upper

75 100

77 1.3 16.2 48.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.455 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061524.D

Acq: 2 Apr 2019 19:48

Tgt Ion: 75 Resp: 60106

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

