

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010548.D
 Acq On : 28 Jun 2019 20:28
 Operator : JC/SP
 Sample : K3521-38
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-101

Quant Time: Jun 29 04:42:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382251	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	348726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162999	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	117740	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
35) Dibromofluoromethane	5.50	113	114449	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	8.71	98	452178	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.13	95	153392	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	

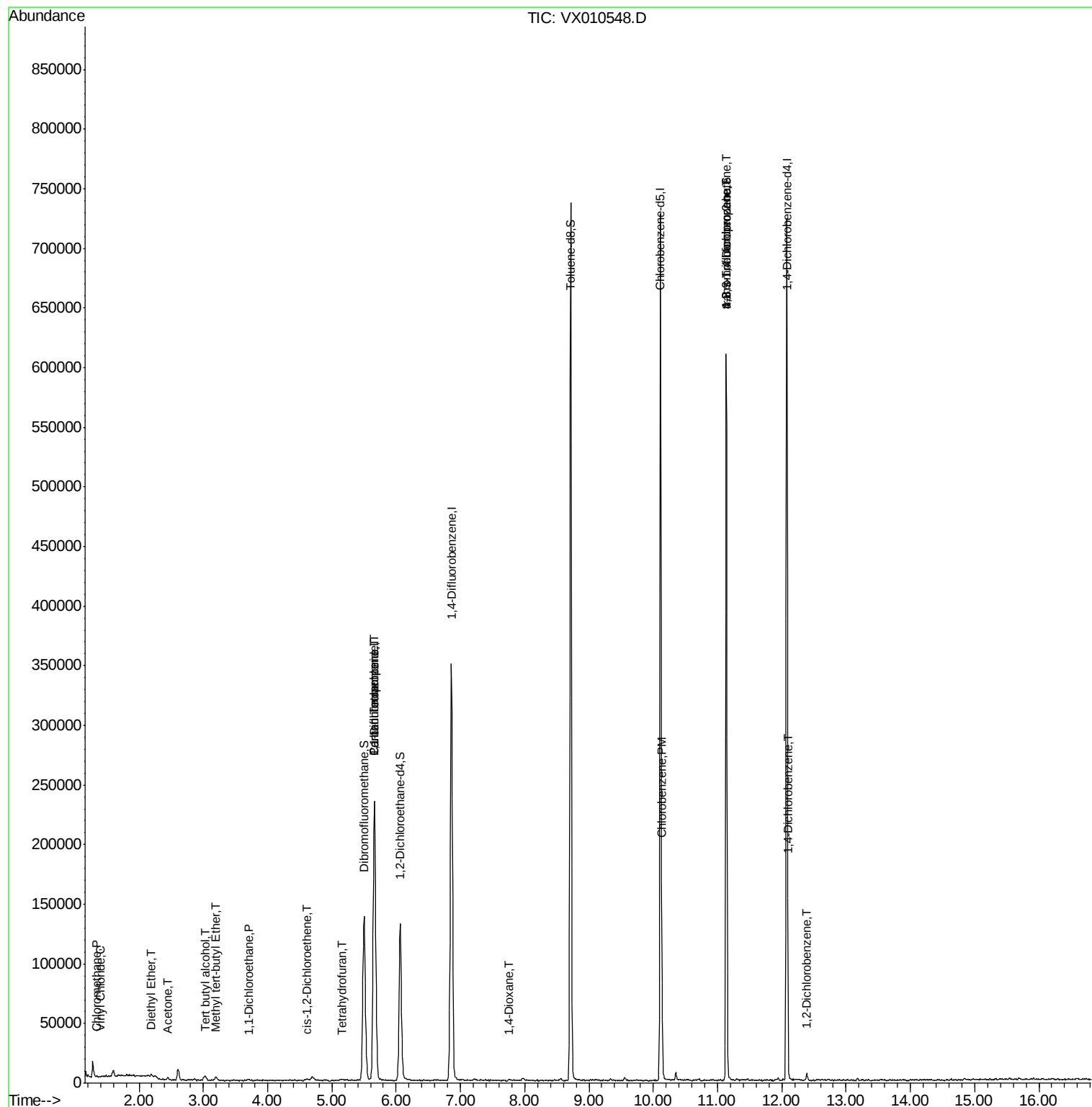
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	473	0.237	ug/l #	33
4) Vinyl Chloride	1.40	62	455	0.208	ug/l #	45
8) Diethyl Ether	2.19	74	539	0.434	ug/l	73
11) Tert butyl alcohol	3.02	59	3430	5.668	ug/l #	89
16) Acetone	2.45	43	2228	1.922	ug/l #	87
19) Methyl tert-butyl Ether	3.20	73	3463	0.515	ug/l	94
24) 1,1-Dichloroethane	3.70	63	1029	0.281	ug/l #	81
27) cis-1,2-Dichloroethene	4.60	96	688	0.259	ug/l	74
29) Tetrahydrofuran	5.15	42	922	0.876	ug/l #	43
36) 1,1-Dichloropropene	5.66	75	15345	5.052	ug/l #	48
38) Carbon Tetrachloride	5.67	117	21371	6.497	ug/l #	15
49) 1,4-Dioxane	7.75	88	617	8.912	ug/l #	68
65) Chlorobenzene	10.13	112	22234	3.140	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	73854	24.864	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73854	58.006	ug/l #	16
88) 1,4-Dichlorobenzene	12.10	146	4686	0.855	ug/l #	65
91) 1,2-Dichlorobenzene	12.39	146	1630	0.305	ug/l	83

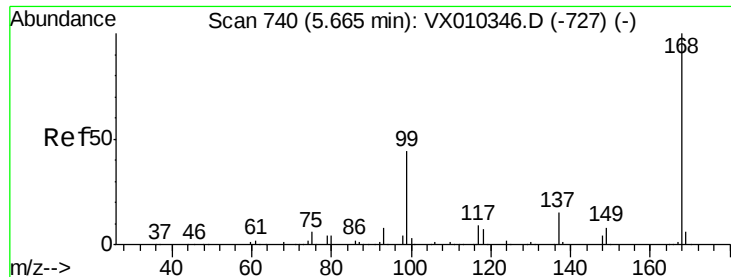
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

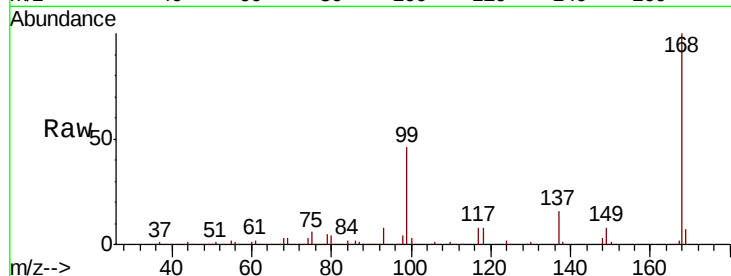
PK-10I

Tot Ion:168 Resp: 246651

Ion Ratio Lower Upper

168 100

99 45.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

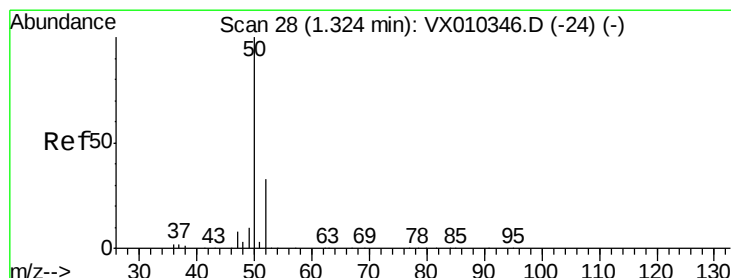
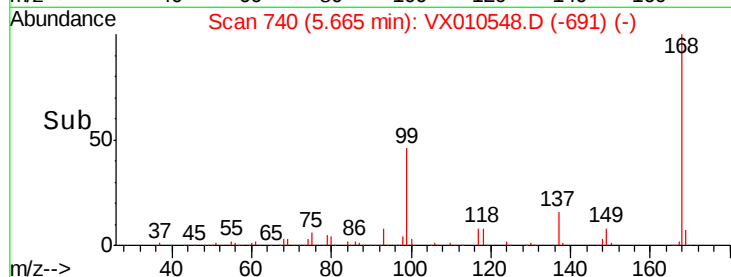
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.237 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010548.D

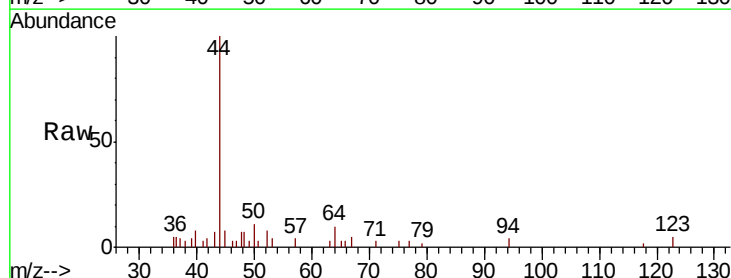
Acq: 28 Jun 2019 20:28

Tgt Ion: 50 Resp: 473

Ion Ratio Lower Upper

50 100

52 70.8 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

300

250

200

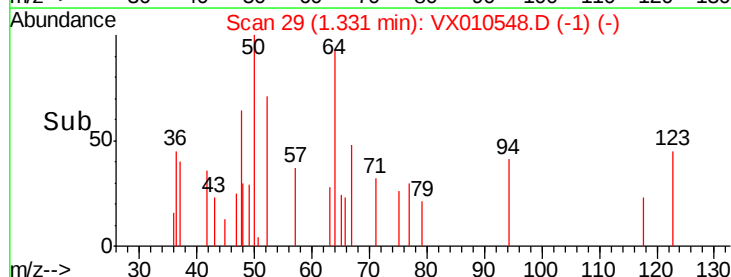
150

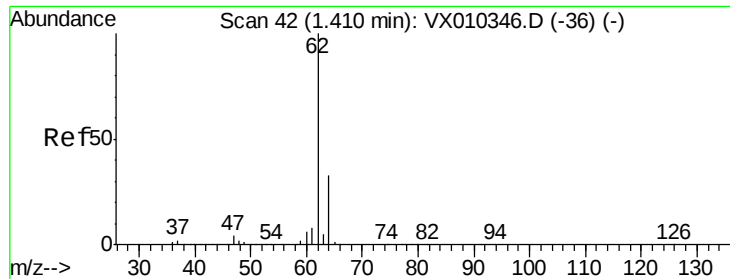
100

50

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 0.208 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampled :

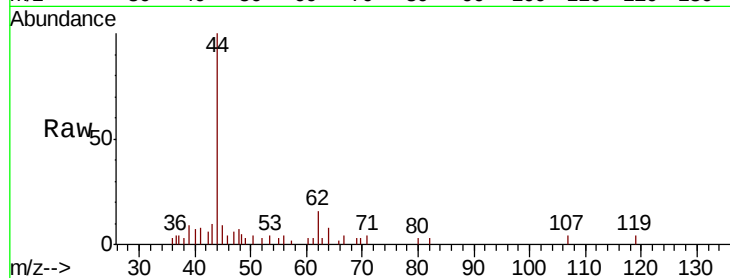
PK-10I

Tot Ion: 62 Resp: 455

Ion Ratio Lower Upper

62 100

64 2.0 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

300

200

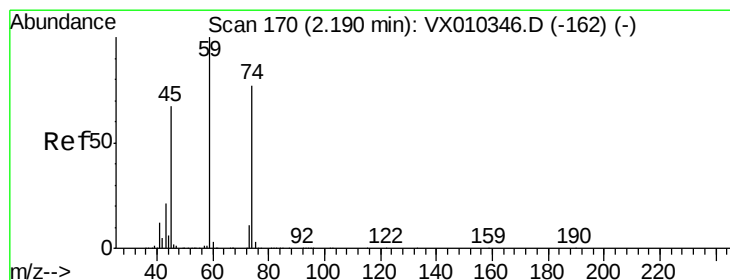
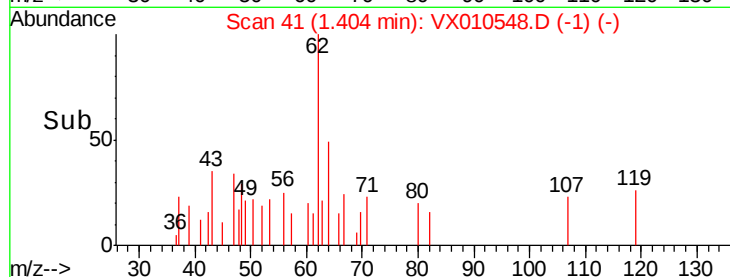
100

0

1.40

1.45

Time-->



#8

Diethyl Ether

Concen: 0.434 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX010548.D

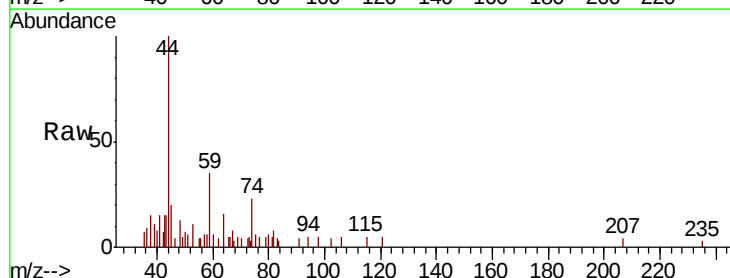
Acq: 28 Jun 2019 20:28

Tgt Ion: 74 Resp: 539

Ion Ratio Lower Upper

74 100

45 64.6 44.8 134.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

400

300

200

100

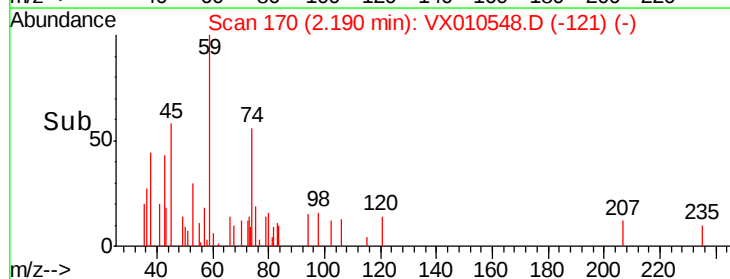
0

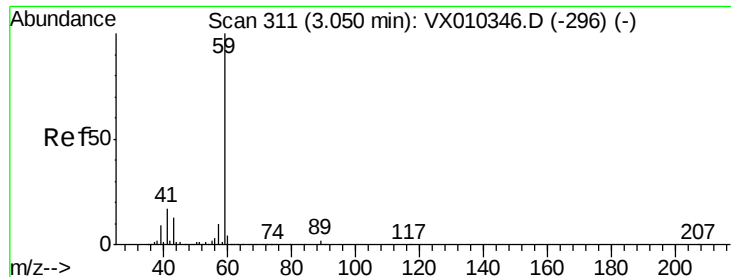
2.15

2.20

2.25

Time-->



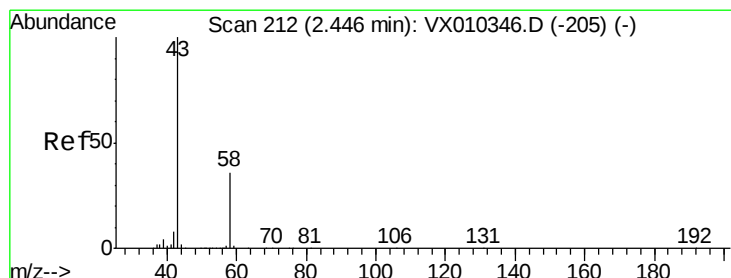
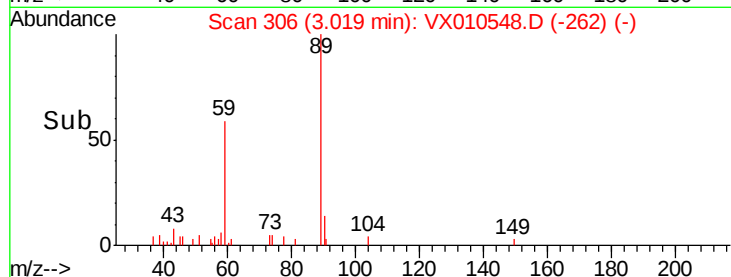
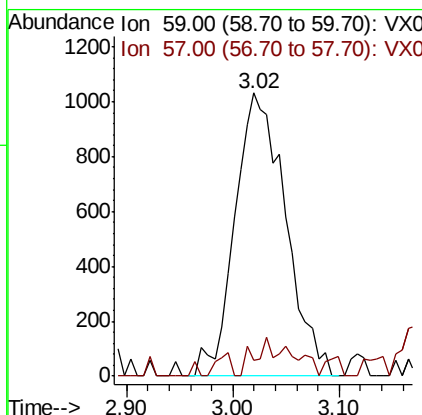
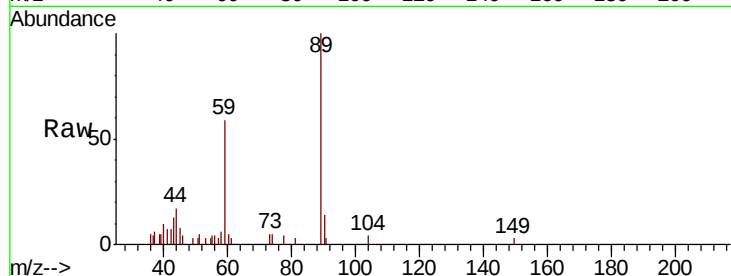


#11

Tert butyl alcohol
 Concen: 5.668 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010548.D
 Acq: 28 Jun 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-101

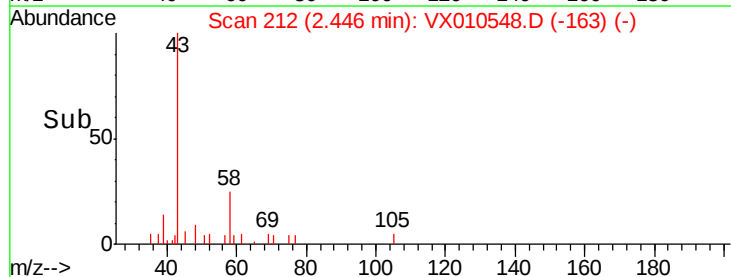
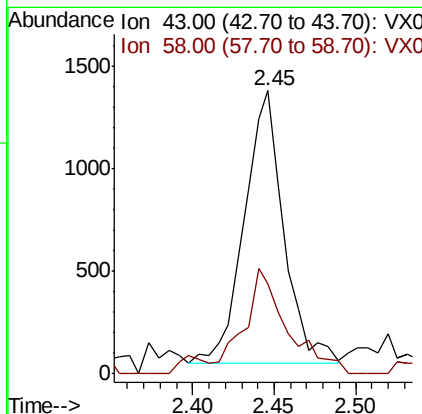
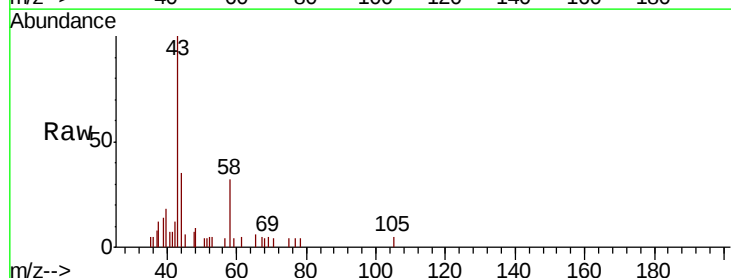
Tot Ion: 59 Resp: 3430
 Ion Ratio Lower Upper
 59 100
 57 5.6 7.7 11.5#

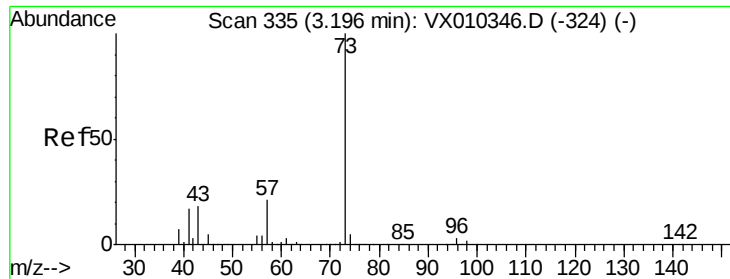


#16

Acetone
 Concen: 1.922 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX010548.D
 Acq: 28 Jun 2019 20:28

Tgt Ion: 43 Resp: 2228
 Ion Ratio Lower Upper
 43 100
 58 28.3 28.9 43.3#

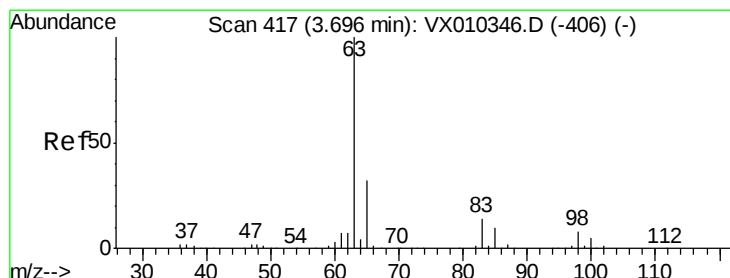
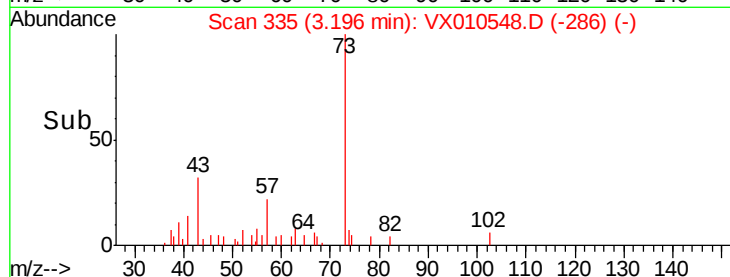
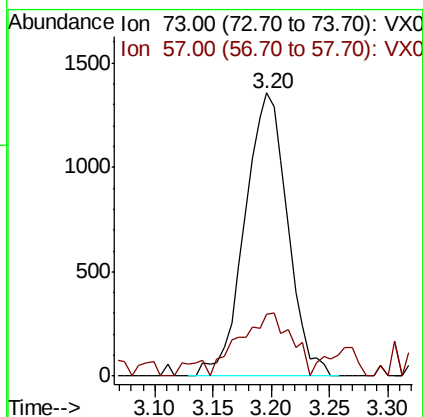
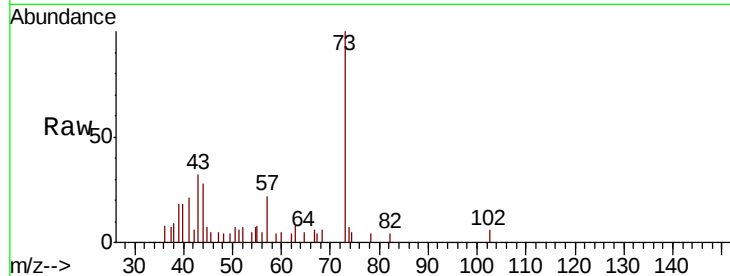




#19
Methvl tert-butvl Ether
Concen: 0.515 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010548.D
Acq: 28 Jun 2019 20:28

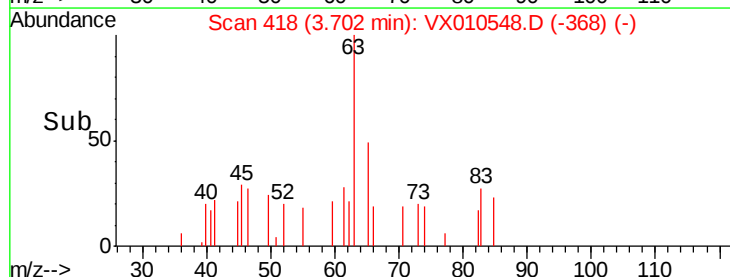
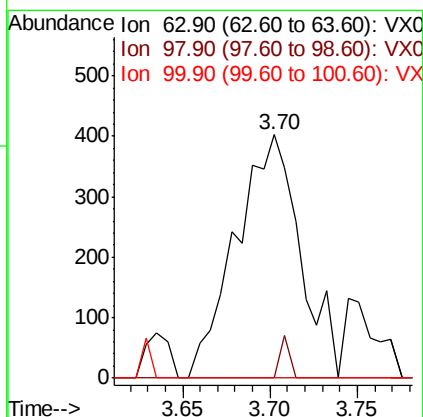
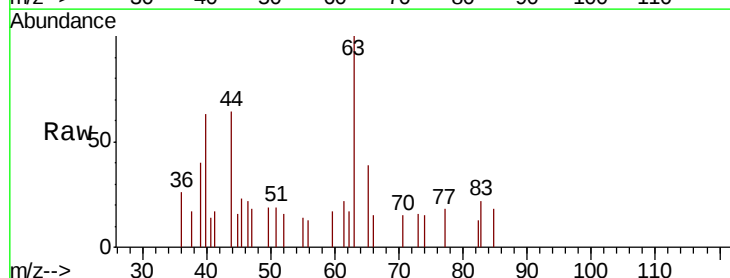
Instrument :
MSVOA_X
ClientSampled :
PK-10I

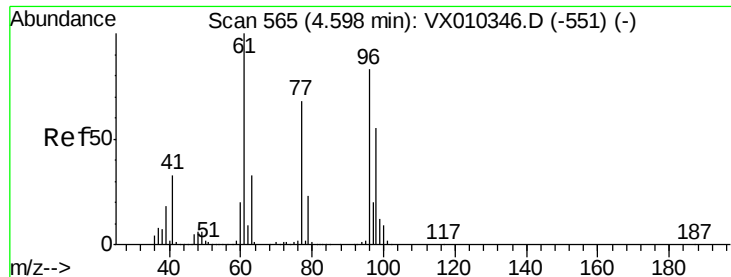
Tot Ion: 73 Resp: 3463
Ion Ratio Lower Upper
73 100
57 17.6 16.4 24.6



#24
1,1-Dichloroethane
Concen: 0.281 ug/l
RT: 3.70 min Scan# 418
Delta R.T. 0.01 min
Lab File: VX010548.D
Acq: 28 Jun 2019 20:28

Tgt Ion: 63 Resp: 1029
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.4 7.1#



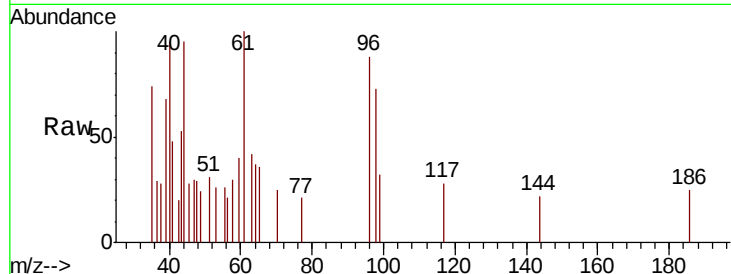


#27

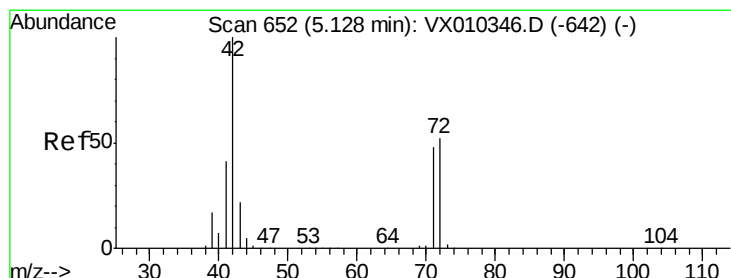
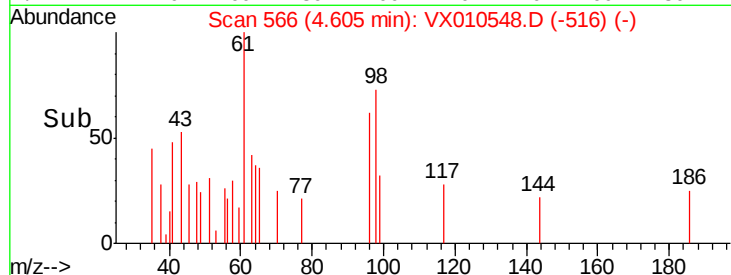
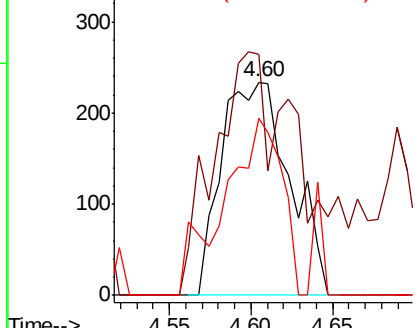
cis-1,2-Dichloroethene
 Concen: 0.259 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX010548.D
 Acq: 28 Jun 2019 20:28

Instrument :
 MSVOA_X
 ClientSampled :
 PK-10I

Tot Ion: 96 Resp: 688
 Ion Ratio Lower Upper
 96 100
 61 84.4 0.0 251.8
 98 70.1 0.0 129.4



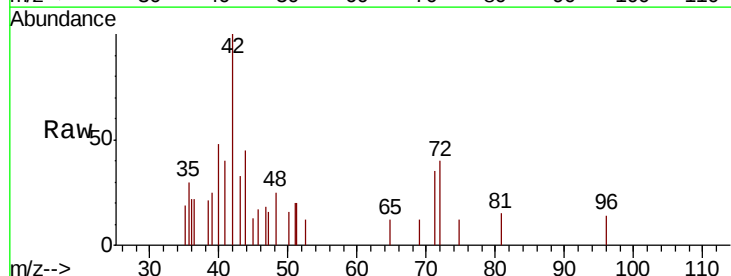
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



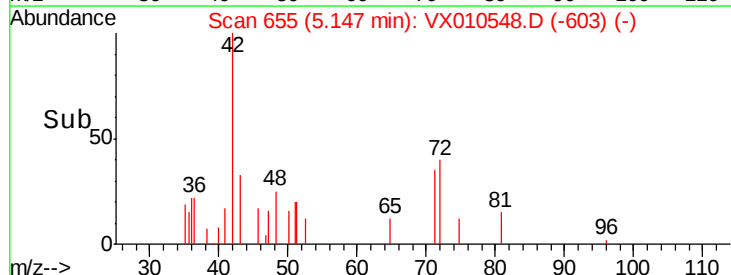
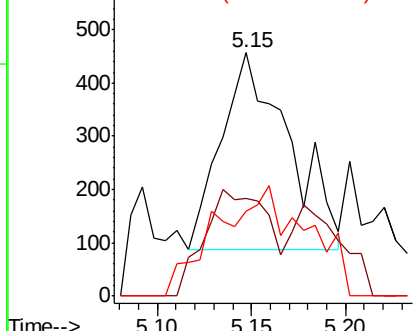
#29

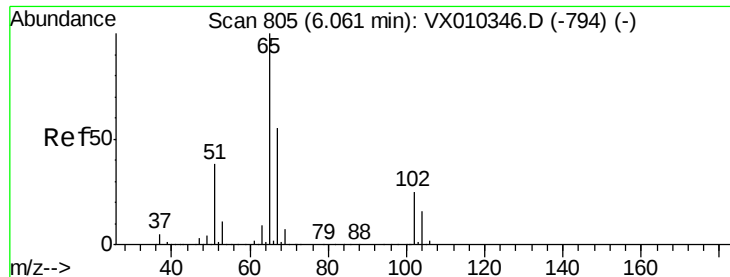
Tetrahydrofuran
 Concen: 0.876 ug/l
 RT: 5.15 min Scan# 655
 Delta R.T. 0.02 min
 Lab File: VX010548.D
 Acq: 28 Jun 2019 20:28

Tgt Ion: 42 Resp: 922
 Ion Ratio Lower Upper
 42 100
 72 0.0 40.6 60.8#
 71 74.5 37.8 56.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.912 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

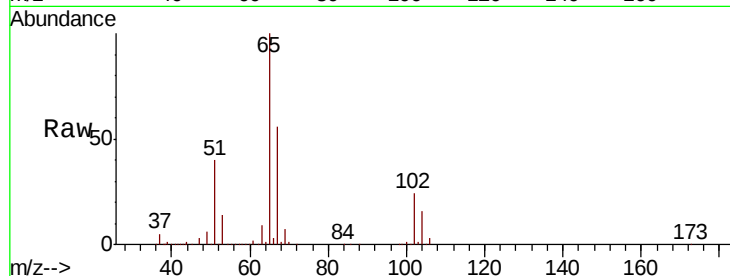
PK-10I

Tot Ion: 65 Resp: 117740

Ion Ratio Lower Upper

65 100

67 56.0 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

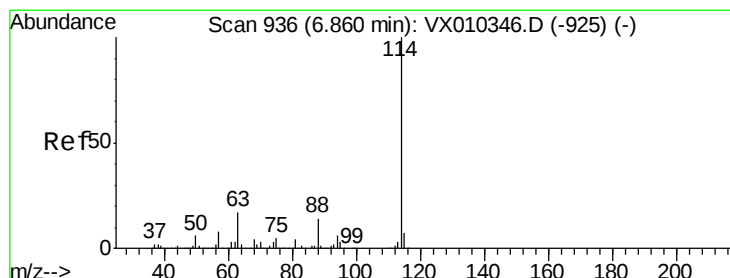
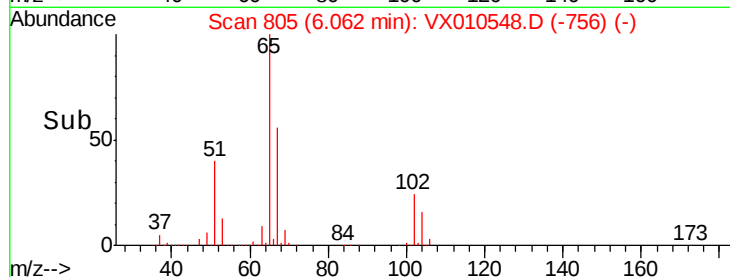
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

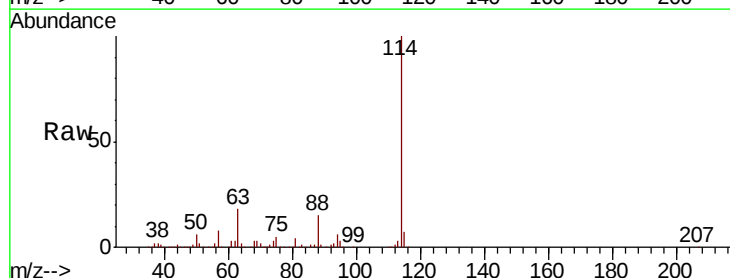
Tgt Ion:114 Resp: 382251

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

88 14.6 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

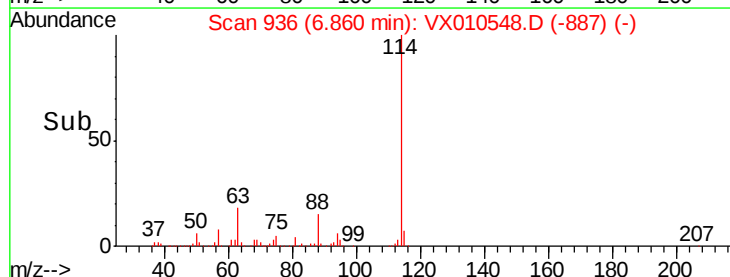
150000

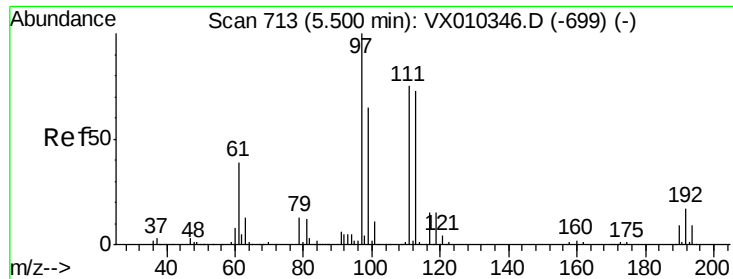
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

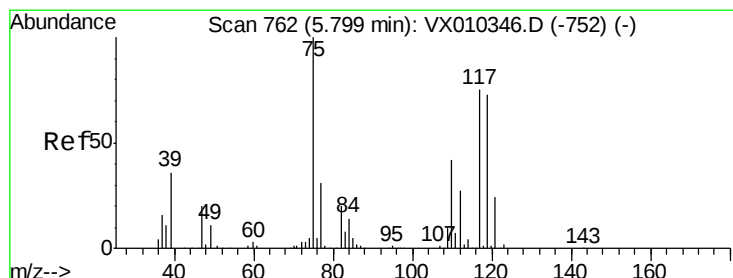
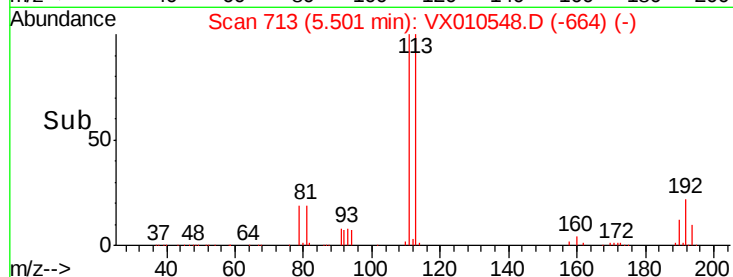
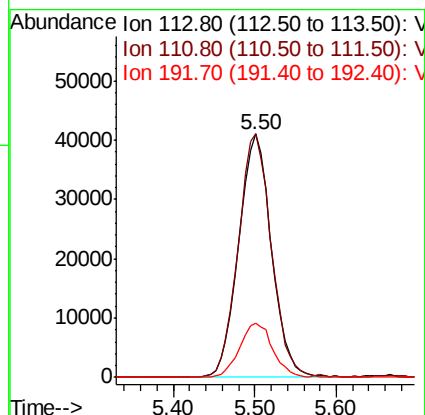
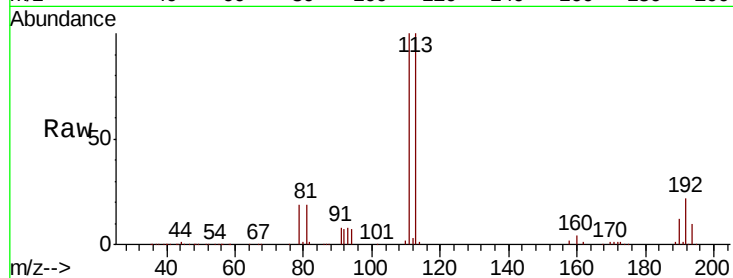




#35
 Dibromofluoromethane
 Concen: 48.936 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010548.D
 Acq: 28 Jun 2019 20:28

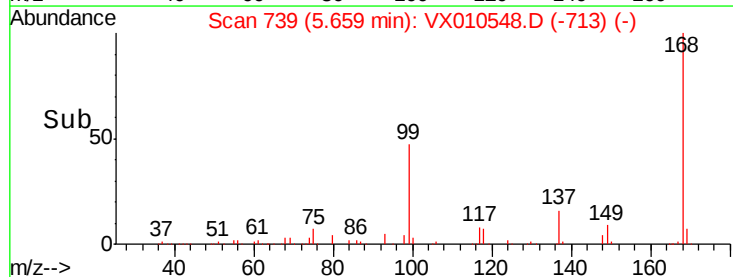
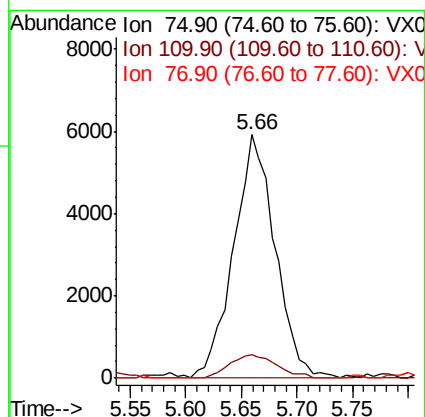
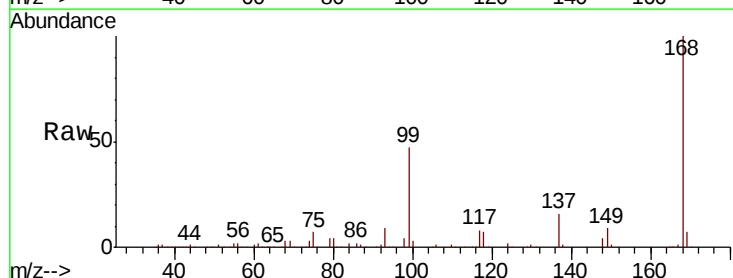
Instrument :
 MSVOA_X
 ClientSampled :
 PK-101

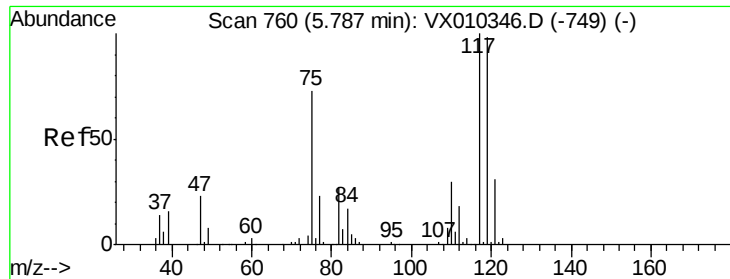
Tot Ion:113 Resp: 114449
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.2 121.8
 192 22.6 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.052 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010548.D
 Acq: 28 Jun 2019 20:28

Tgt Ion: 75 Resp: 15345
 Ion Ratio Lower Upper
 75 100
 110 10.8 20.8 62.2#
 77 0.0 25.4 38.0#

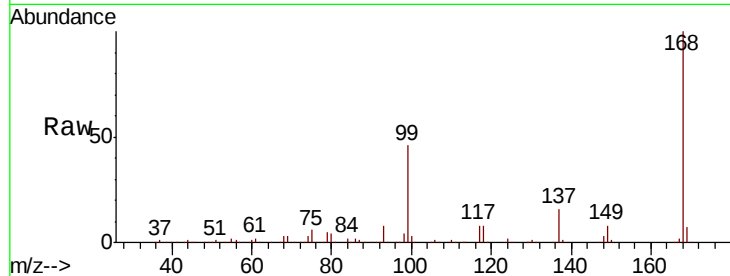




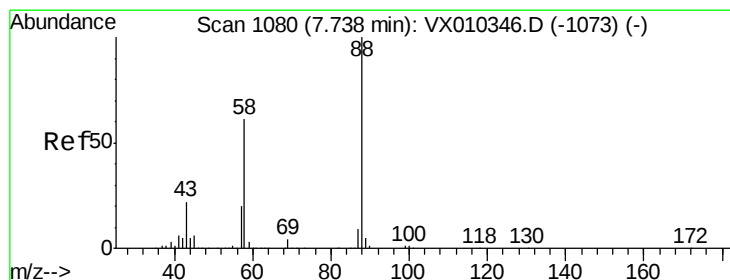
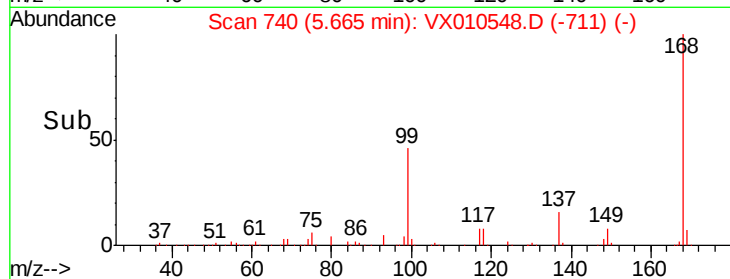
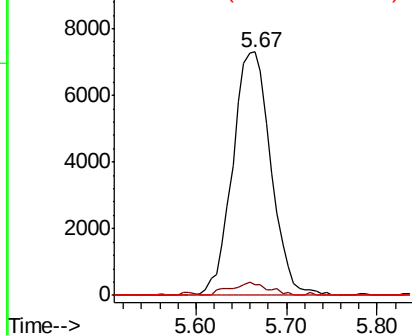
#38
Carbon Tetrachloride
Concen: 6.497 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010548.D
Acq: 28 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
PK-10I

Tot Ion:117 Resp: 21371
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.4#
121 0.0 24.7 37.1#

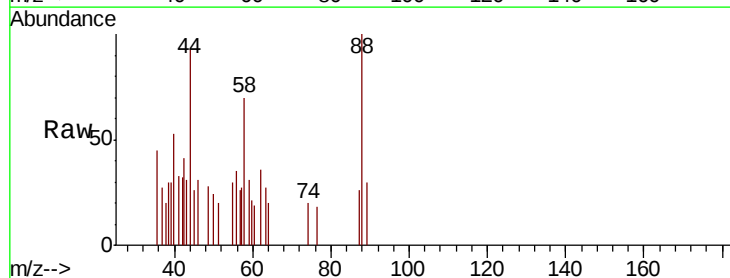


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

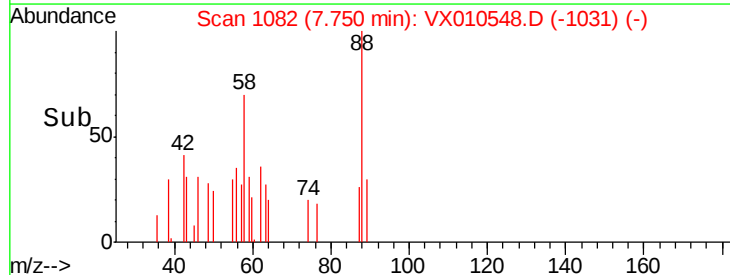
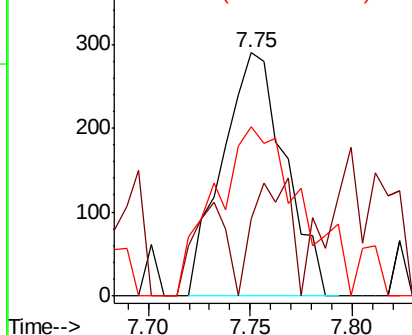


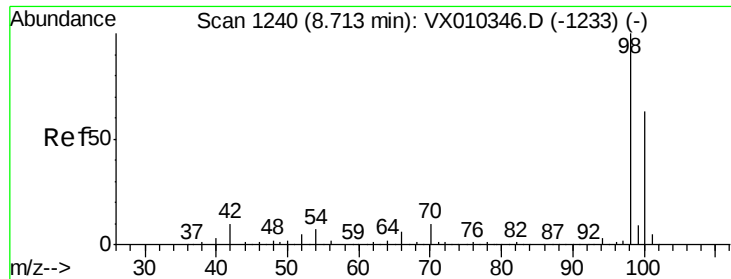
#49
1,4-Dioxane
Concen: 8.912 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX010548.D
Acq: 28 Jun 2019 20:28

Tgt Ion: 88 Resp: 617
Ion Ratio Lower Upper
88 100
43 28.2 20.2 30.2
58 95.1 49.5 74.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.536 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

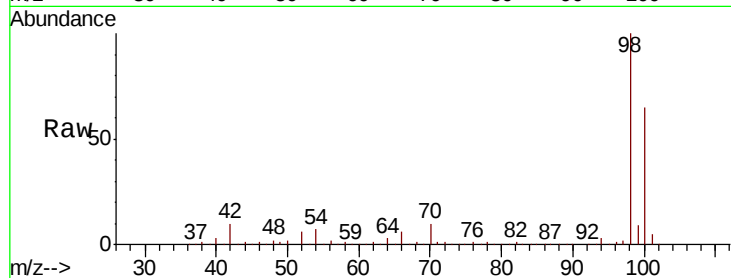
PK-10I

Tot Ion: 98 Resp: 452178

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

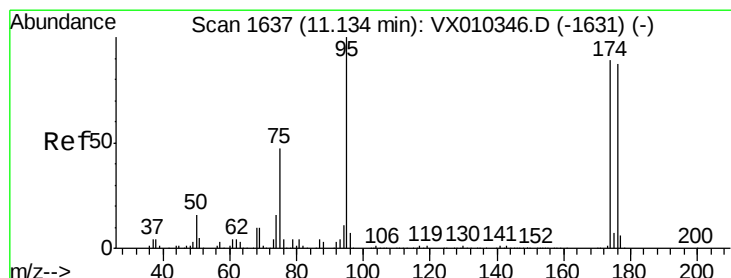
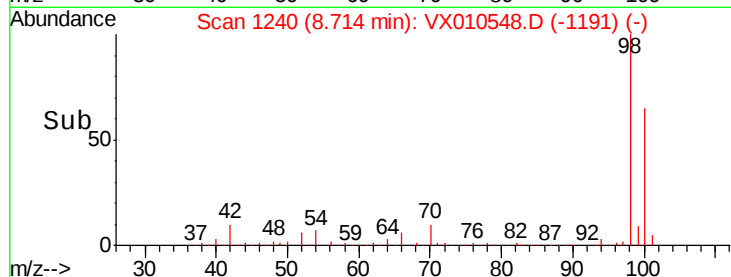
200000

100000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 47.485 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

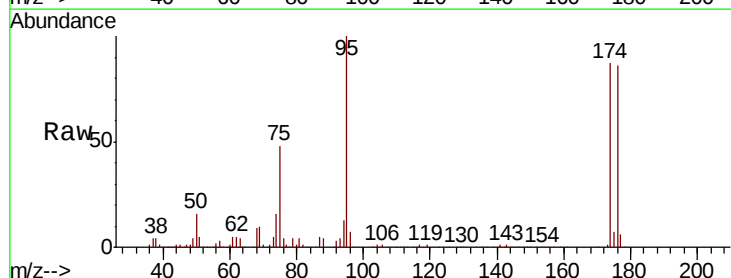
Tgt Ion: 95 Resp: 153392

Ion Ratio Lower Upper

95 100

174 93.4 0.0 187.6

176 91.6 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

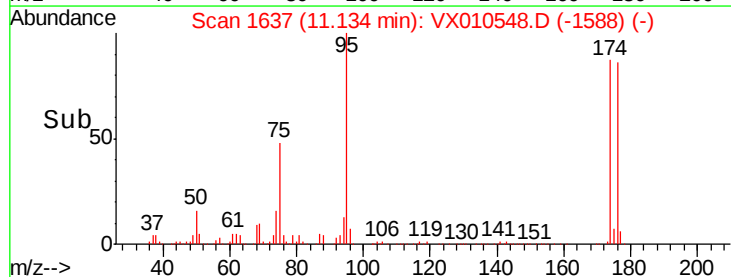
100000

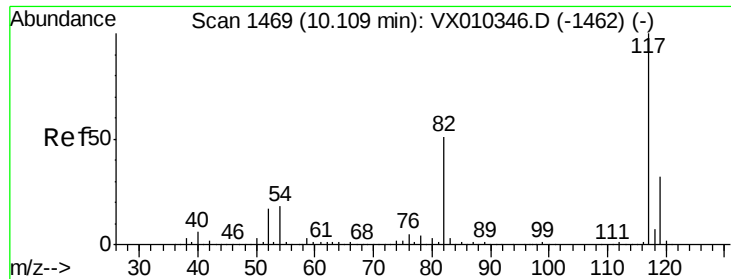
50000

0

11.10 11.20

Time-->

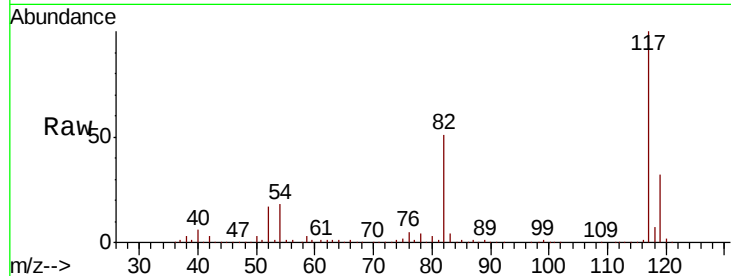




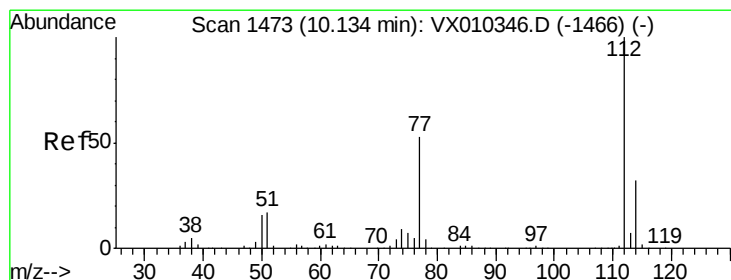
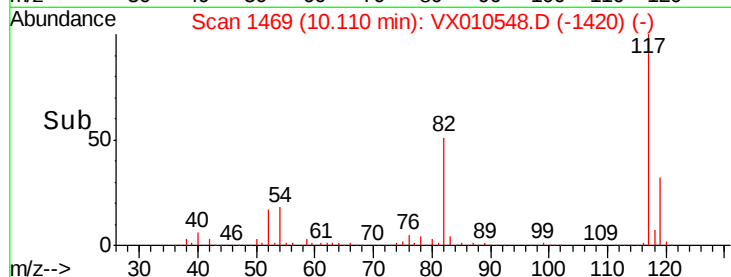
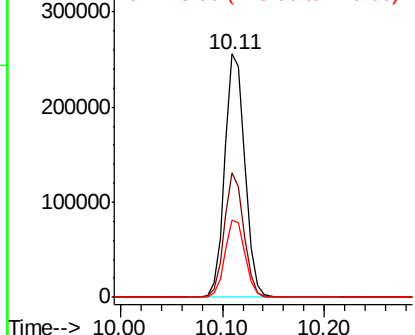
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010548.D
Acq: 28 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
PK-101

Tot Ion:117 Resp: 348726
Ion Ratio Lower Upper
117 100
82 51.1 41.2 61.8
119 31.8 25.5 38.3

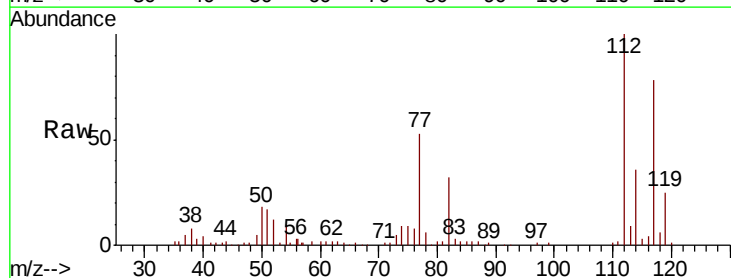


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

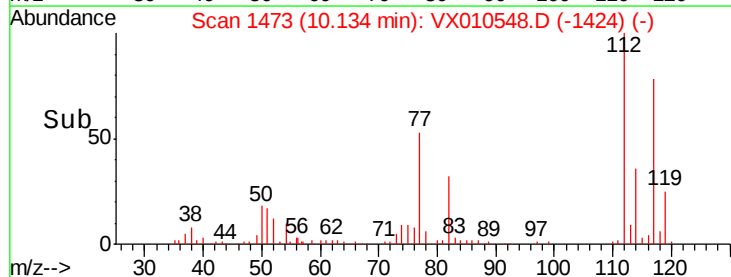
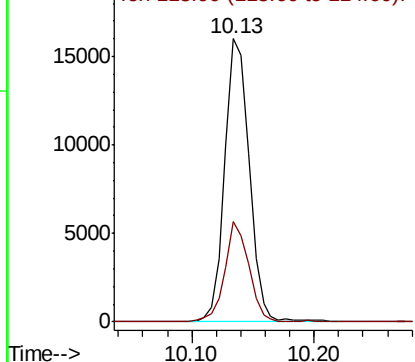


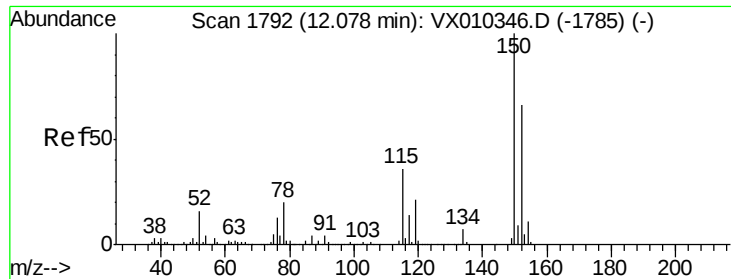
#65
Chlorobenzene
Concen: 3.140 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010548.D
Acq: 28 Jun 2019 20:28

Tgt Ion:112 Resp: 22234
Ion Ratio Lower Upper
112 100
114 35.6 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010548.D

Acq: 28 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

PK-10I

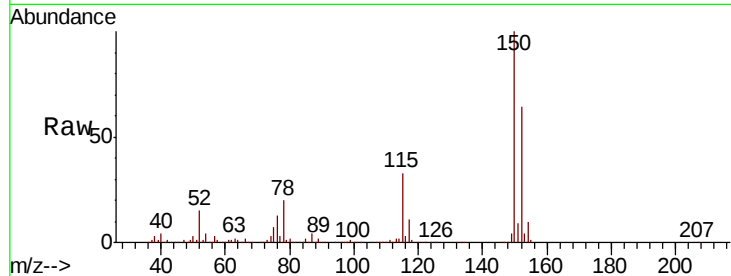
Tot Ion:152 Resp: 162999

Ion Ratio Lower Upper

152 100

115 54.3 38.6 115.7

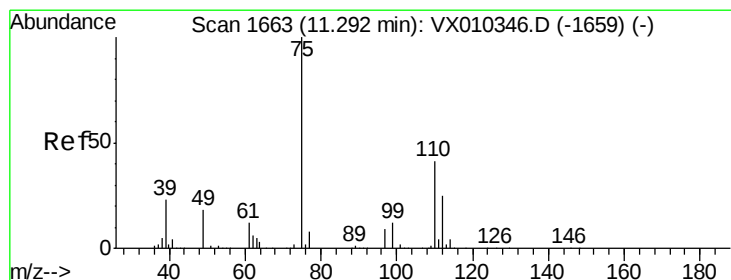
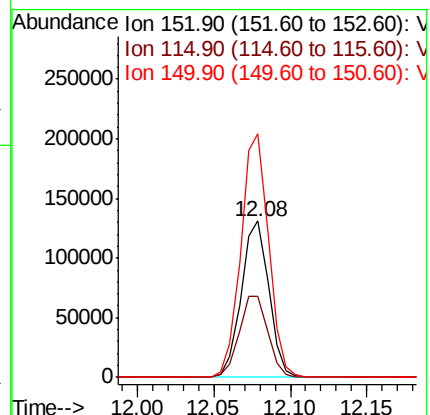
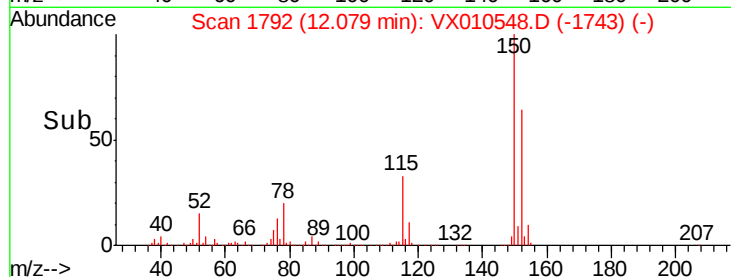
150 157.3 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.864 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010548.D

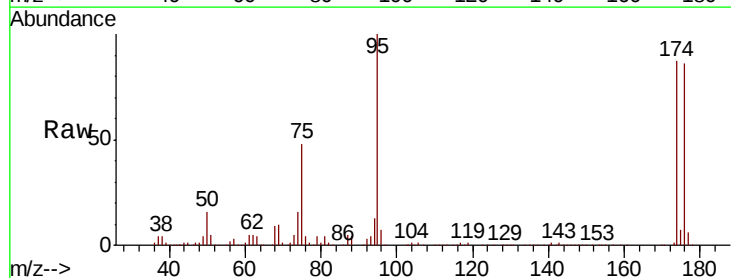
Acq: 28 Jun 2019 20:28

Tgt Ion: 75 Resp: 73854

Ion Ratio Lower Upper

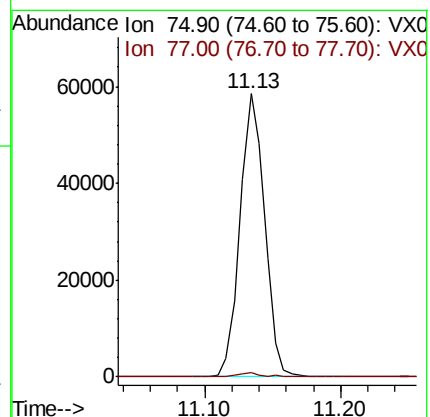
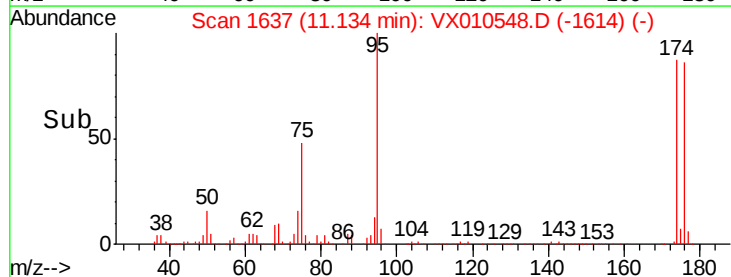
75 100

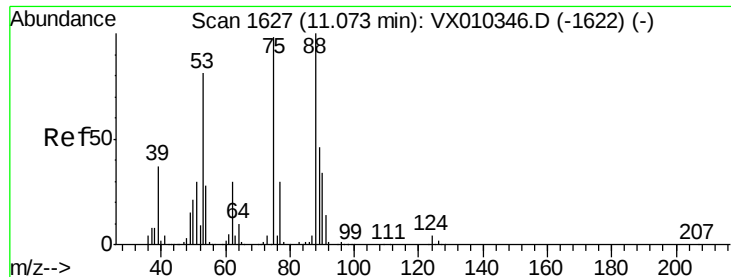
77 1.5 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

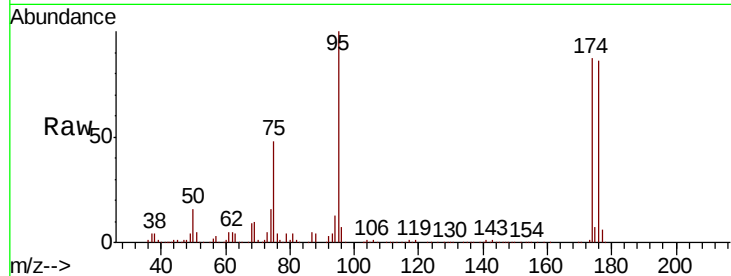




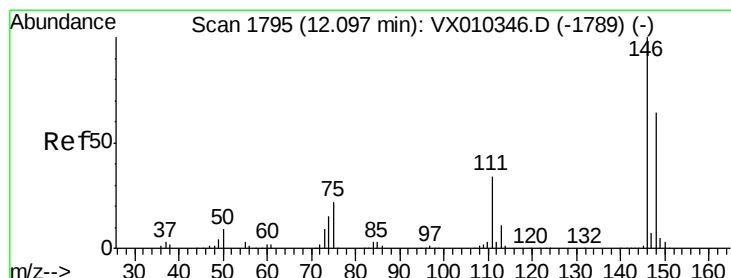
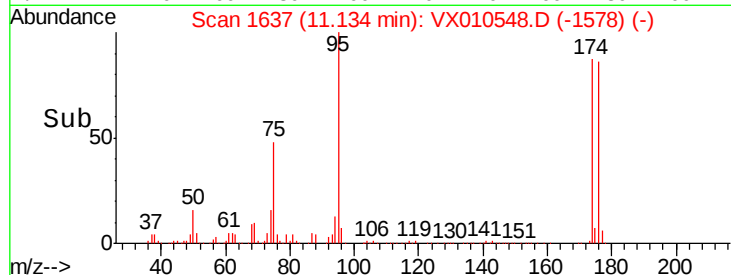
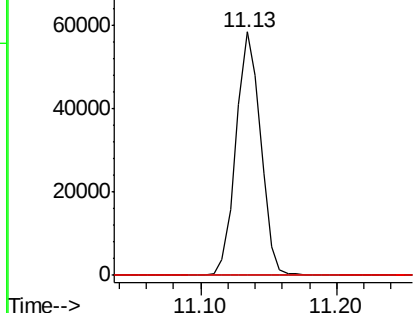
#81
trans-1,4-Dichloro-2-butene
Concen: 58.006 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010548.D
Acq: 28 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
PK-101

Tot Ion: 75 Resp: 73854
Ion Ratio Lower Upper
75 100
53 0.2 66.1 99.1#
89 0.0 37.8 56.6#

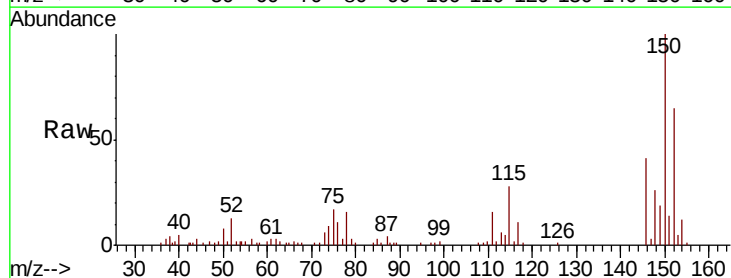


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

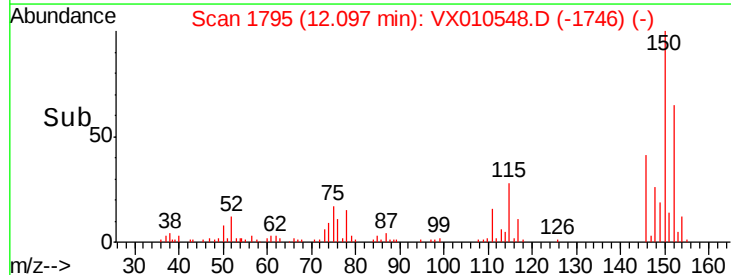
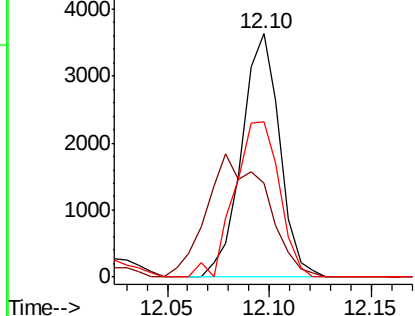


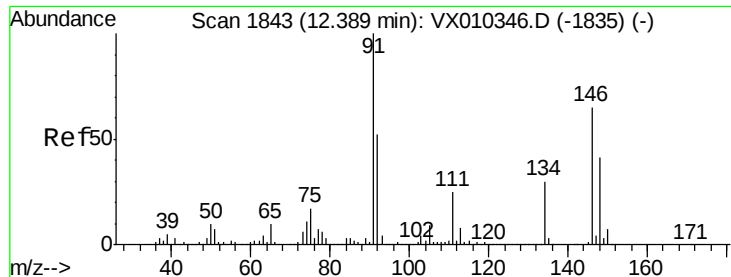
#88
1,4-Dichlorobenzene
Concen: 0.855 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VX010548.D
Acq: 28 Jun 2019 20:28

Tgt Ion: 146 Resp: 4686
Ion Ratio Lower Upper
146 100
111 79.4 18.1 54.3#
148 75.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#91
 1,2-Dichlorobenzene
 Concen: 0.305 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010548.D
 Acq: 28 Jun 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-101

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.9	19.2	57.6
148	74.5	32.0	96.0

