

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081919\
 Data File : VX011624.D
 Acq On : 19 Aug 2019 12:11
 Operator : JC/SP
 Sample : K4223-12
 Misc : 4.85g/5mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-6

Quant Time: Aug 20 09:37:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	415474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	563917	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	499432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	269394	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	191149	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
35) Dibromofluoromethane	5.49	113	159661	43.29	ug/l	0.00
Spiked Amount			Recovery	=	86.58%	
50) Toluene-d8	8.71	98	642863	55.94	ug/l	0.00
Spiked Amount			Recovery	=	111.88%	
62) 4-Bromofluorobenzene	11.13	95	226191	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	

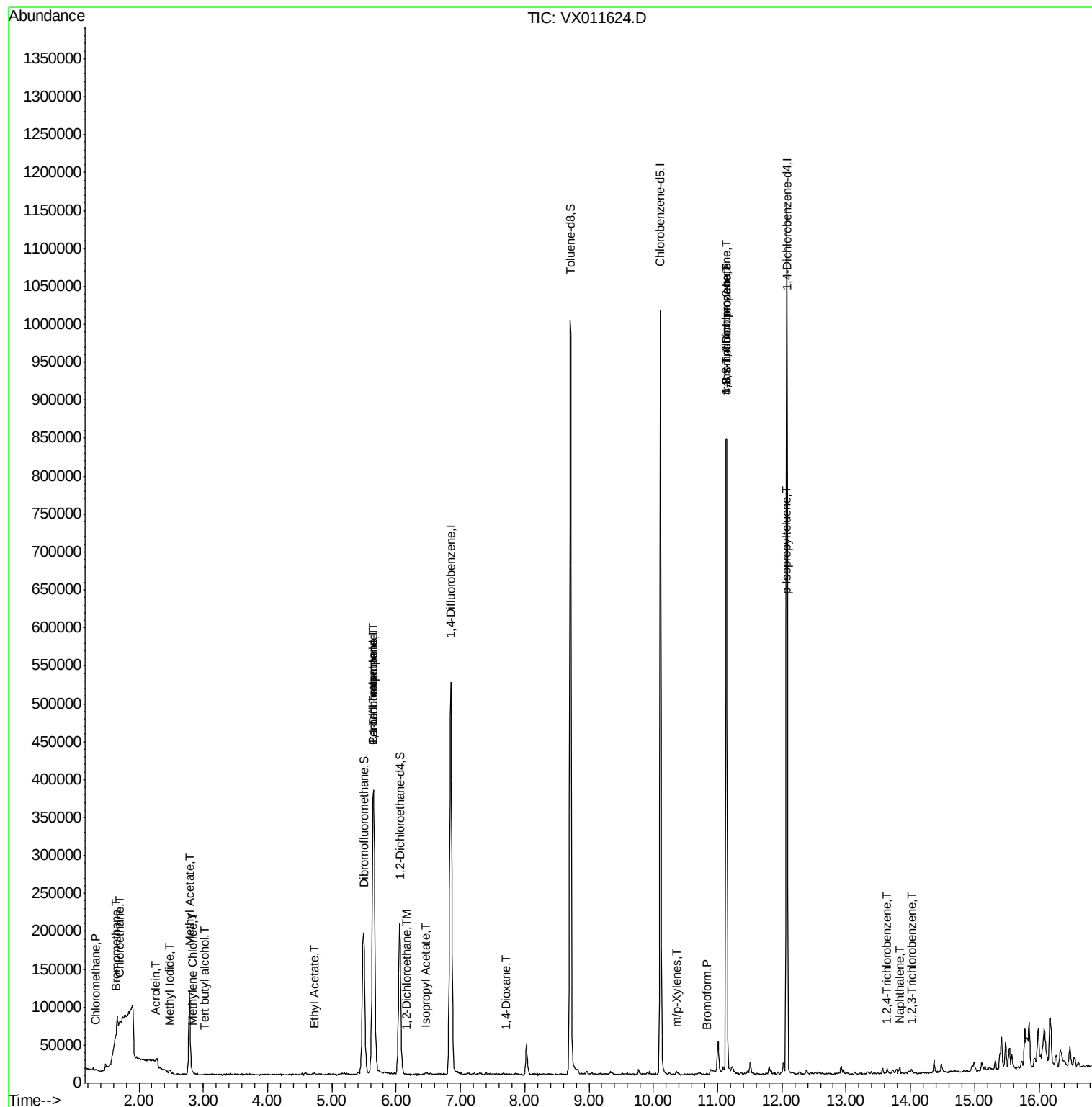
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	927	0.219	ug/l #	47
5) Bromomethane	1.63	94	1436	0.836	ug/l	94
6) Chloroethane	1.70	64	672	0.371	ug/l #	1
10) Methyl Iodide	2.47	142	3282	0.628	ug/l #	83
11) Tert butyl alcohol	3.01	59	421	0.445	ug/l #	74
13) Acrolein	2.26	56	612	14.186	ug/l	84
18) Methyl Acetate	2.78	43	130318	21.689	ug/l	98
20) Methylene Chloride	2.83	84	1972	0.485	ug/l #	61
36) 1,1-Dichloropropene	5.64	75	23202	4.812	ug/l #	51
37) Ethyl Acetate	4.73	43	5235	0.944	ug/l #	84
38) Carbon Tetrachloride	5.65	117	34564	6.507	ug/l #	16
42) 1,2-Dichloroethane	6.17	62	1096	0.211	ug/l #	74
43) Isopropyl Acetate	6.46	43	1799	0.208	ug/l #	93
49) 1,4-Dioxane	7.71	88	238	2.088	ug/l #	79
68) m/p-Xylenes	10.36	106	1639	0.240	ug/l	88
71) Bromoform	10.84	173	83	3.312	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	109004	21.338	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	109004	57.104	ug/l #	11
86) p-Isopropyltoluene	12.06	119	5656	0.356	ug/l #	79
93) 1,2,4-Trichlorobenzene	13.65	180	1451	0.217	ug/l #	91
95) Naphthalene	13.83	128	5360	0.284	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.02	180	1463	0.217	ug/l #	87

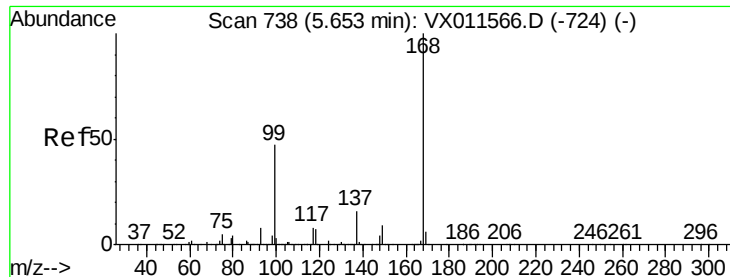
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081919\
Data File : VX011624.D
Acq On : 19 Aug 2019 12:11
Operator : JC/SP
Sample : K4223-12
Misc : 4.85g/5mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SP-6

Quant Time: Aug 20 09:37:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

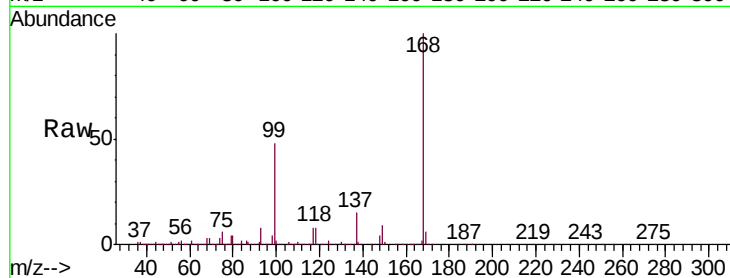
SP-6

Tgt Ion:168 Resp: 415474

Ion Ratio Lower Upper

168 100

99 48.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

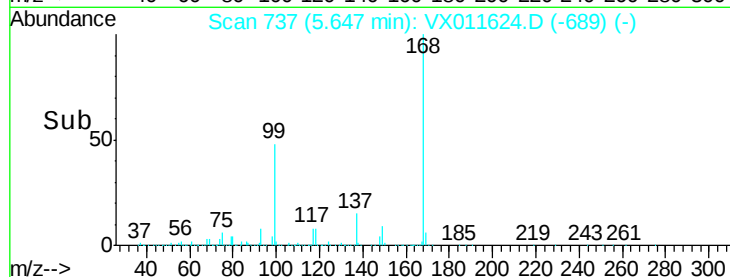
150000

100000

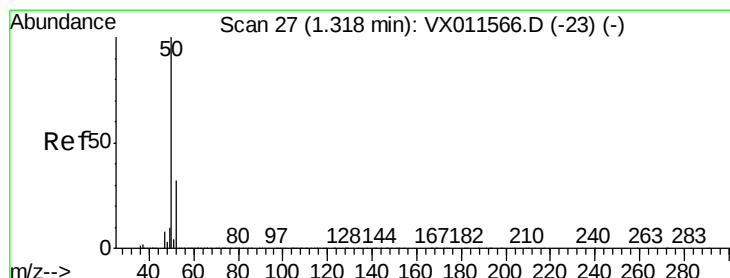
50000

0

5.50 5.60 5.70 5.80



Time-->



#3

Chloromethane

Concen: 0.219 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011624.D

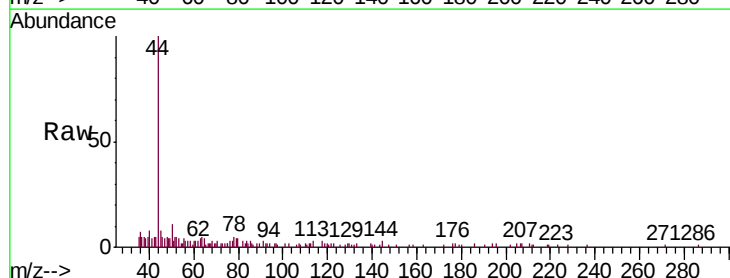
Acq: 19 Aug 2019 12:11

Tgt Ion: 50 Resp: 927

Ion Ratio Lower Upper

50 100

52 62.1 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

500

400

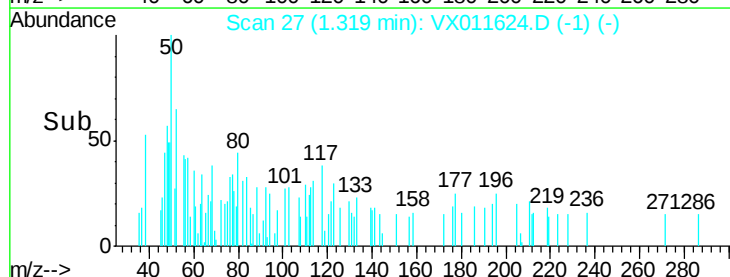
300

200

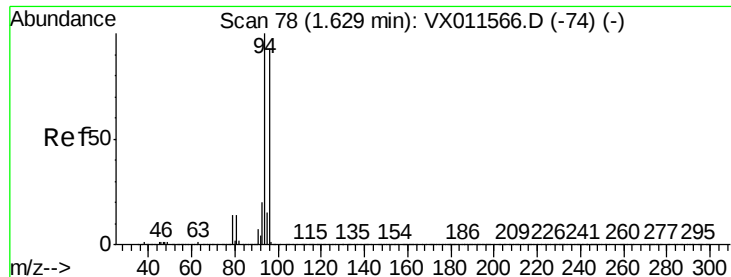
100

0

1.28 1.30 1.32 1.34 1.36



Time-->



#5

Bromomethane

Concen: 0.836 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

Instrument :

MSVOA_X

ClientSampled :

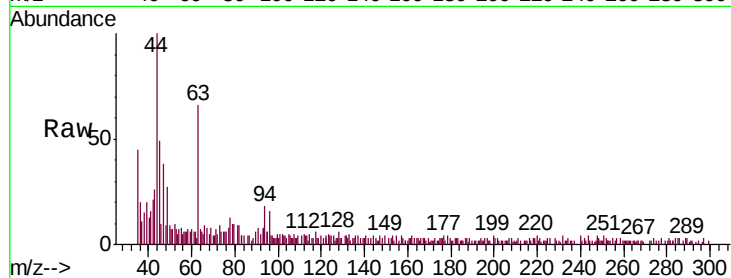
SP-6

Tgt Ion: 94 Resp: 1436

Ion Ratio Lower Upper

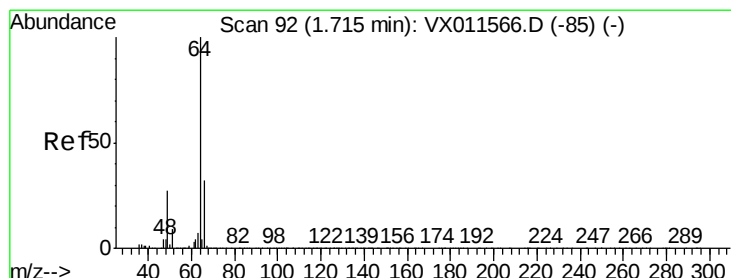
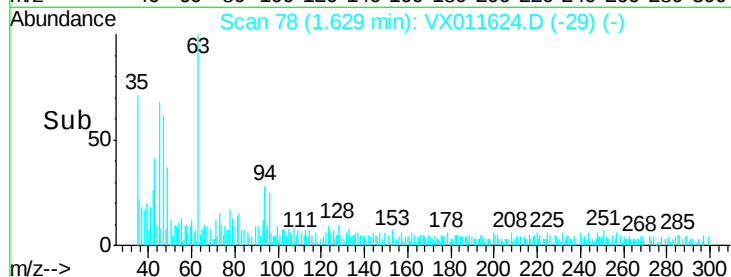
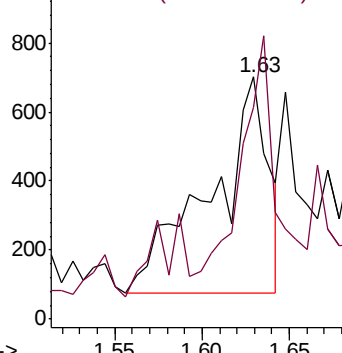
94 100

96 87.5 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.371 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011624.D

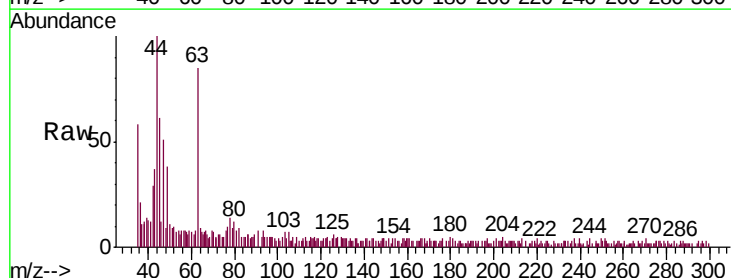
Acq: 19 Aug 2019 12:11

Tgt Ion: 64 Resp: 672

Ion Ratio Lower Upper

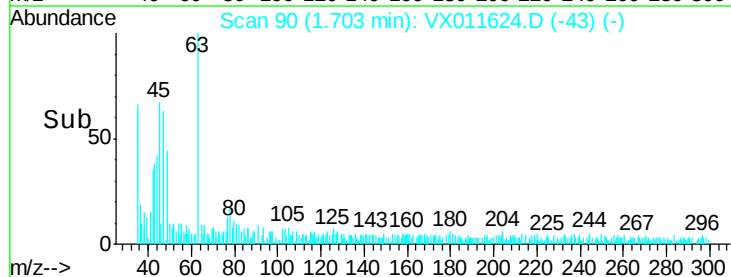
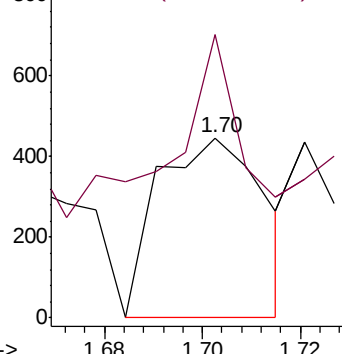
64 100

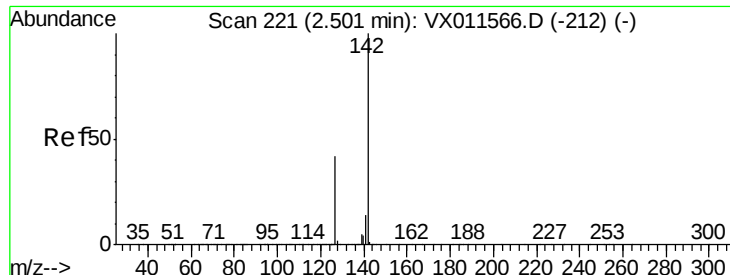
66 89.9 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

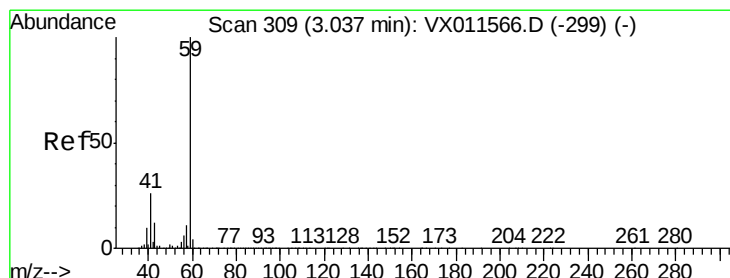
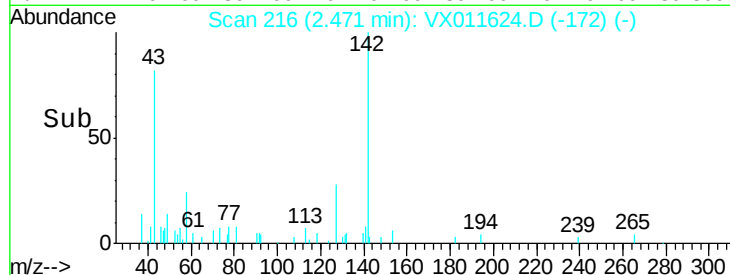
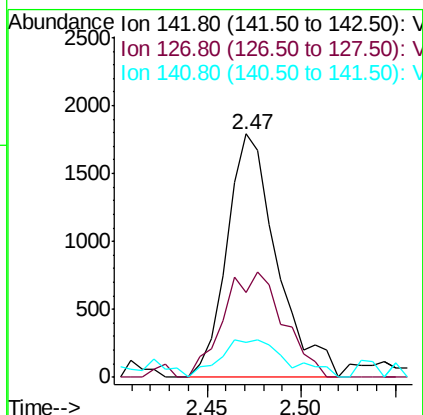
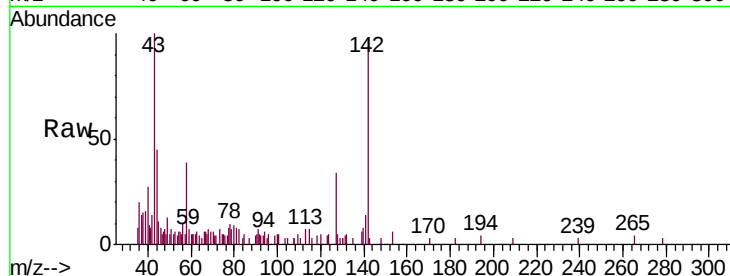




#10
Methyl Iodide
Concen: 0.628 ug/l
RT: 2.47 min Scan# 216
Delta R.T. -0.03 min
Lab File: VX011624.D
Acq: 19 Aug 2019 12:11

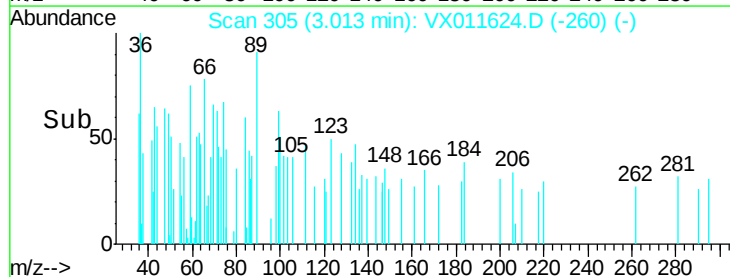
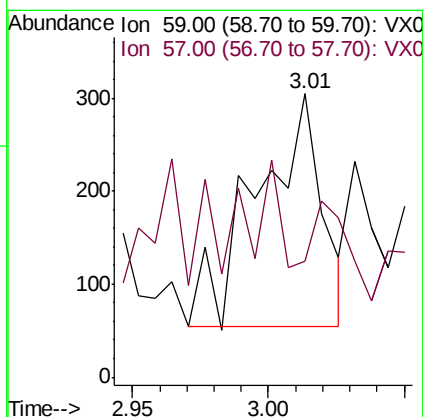
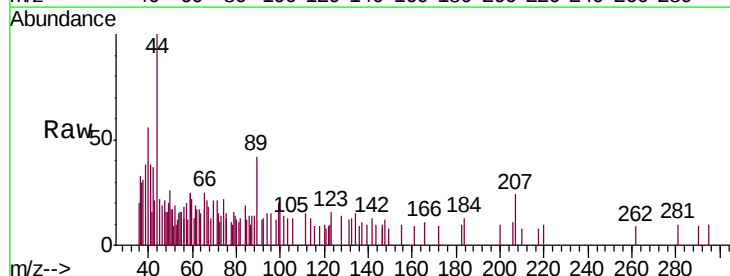
Instrument :
MSVOA_X
ClientSampleId :
SP-6

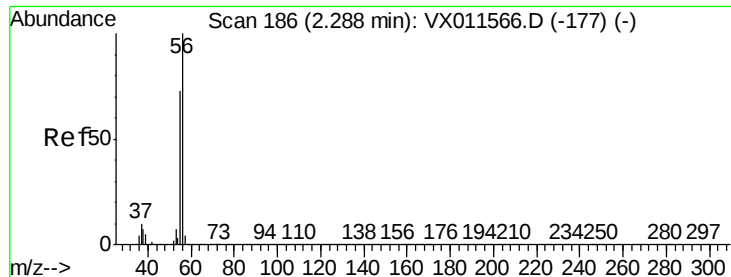
Tgt Ion: 142 Resp: 3282
Ion Ratio Lower Upper
142 100
127 51.8 32.8 49.2#
141 20.8 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.445 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011624.D
Acq: 19 Aug 2019 12:11

Tgt Ion: 59 Resp: 421
Ion Ratio Lower Upper
59 100
57 20.9 8.7 13.1#





#13

Acrolein

Concen: 14.186 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

Instrument :

MSVOA_X

ClientSampled :

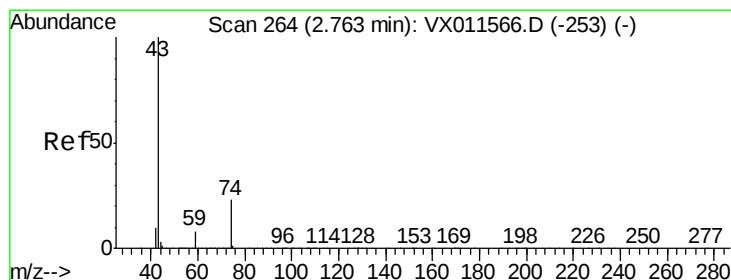
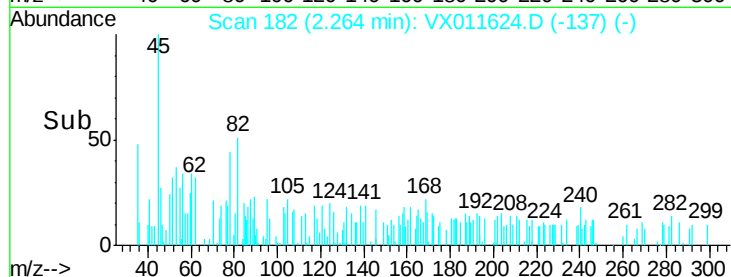
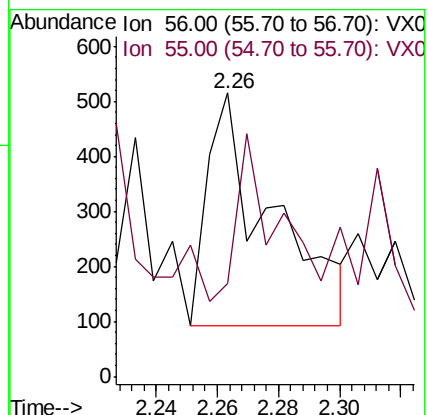
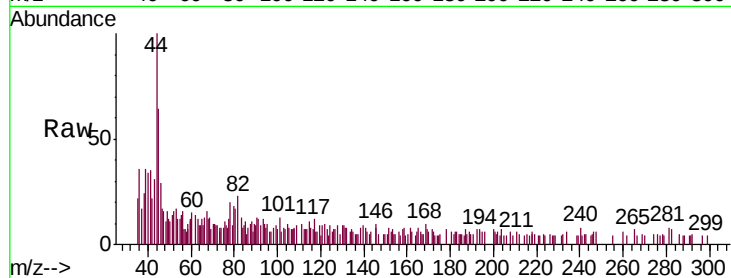
SP-6

Tgt Ion: 56 Resp: 612

Ion Ratio Lower Upper

56 100

55 56.2 55.5 83.3



#18

Methyl Acetate

Concen: 21.689 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX011624.D

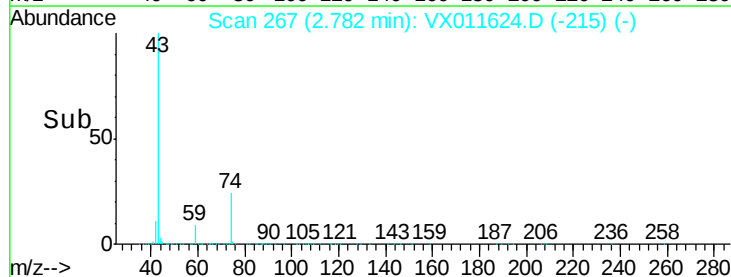
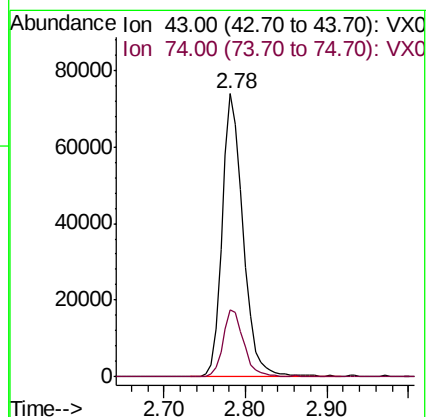
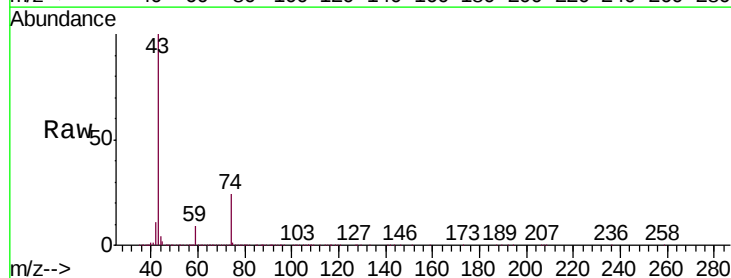
Acq: 19 Aug 2019 12:11

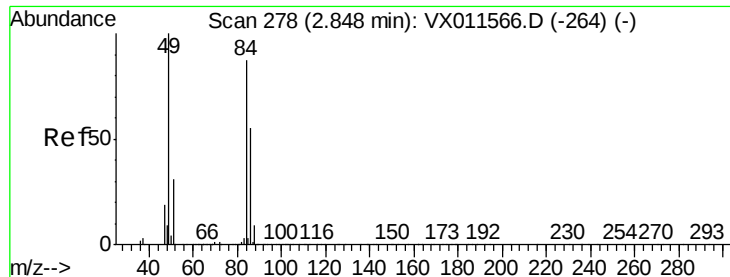
Tgt Ion: 43 Resp: 130318

Ion Ratio Lower Upper

43 100

74 23.7 19.7 29.5

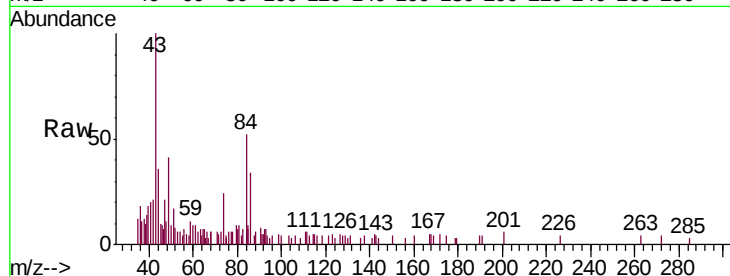




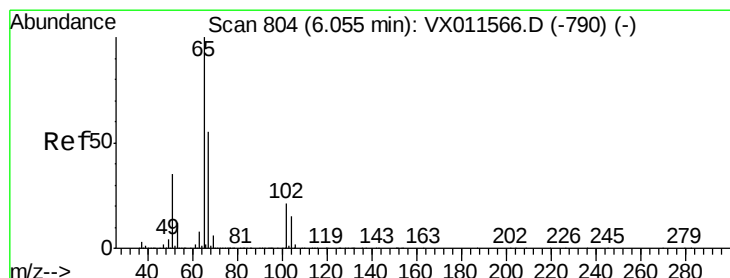
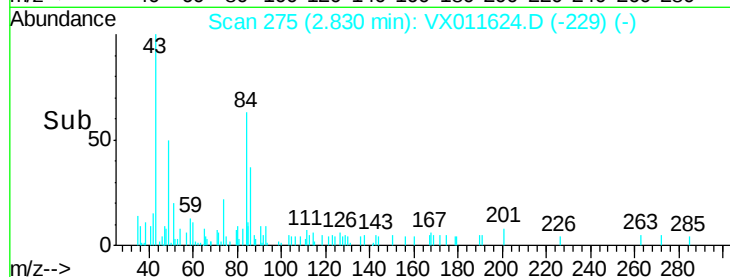
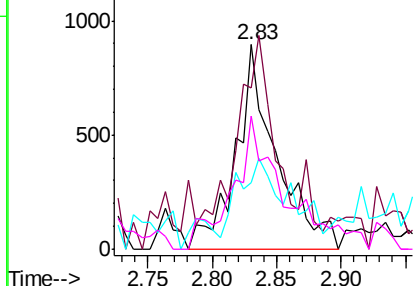
#20
Methylene Chloride
Concen: 0.485 ug/l
RT: 2.83 min Scan# 275
Delta R.T. -0.02 min
Lab File: VX011624.D
Acq: 19 Aug 2019 12:11

Instrument :
MSVOA_X
ClientSampled :
SP-6

Tgt Ion:	84	Resp:	1972
Ion	Ratio	Lower	Upper
84	100		
49	57.2	92.4	138.6#
51	21.3	28.5	42.7#
86	46.7	51.0	76.6#

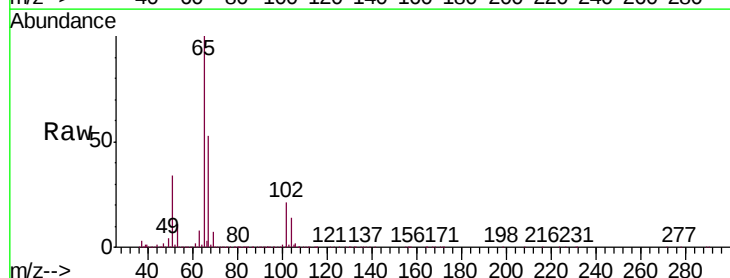


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

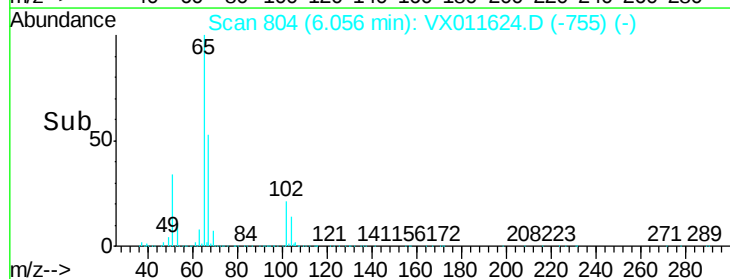
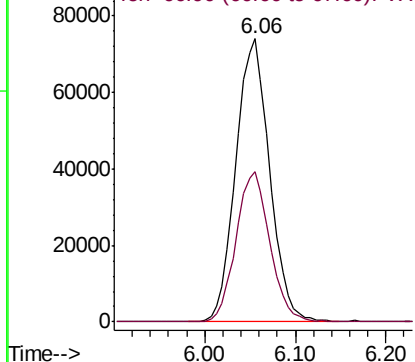


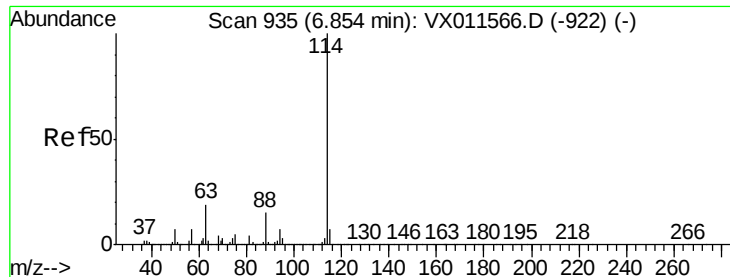
#33
1,2-Dichloroethane-d4
Concen: 49.611 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011624.D
Acq: 19 Aug 2019 12:11

Tgt Ion:	65	Resp:	191149
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	107.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. -0.01 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

SP-6

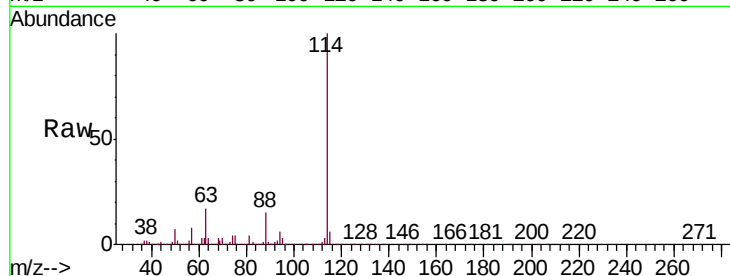
Tgt Ion:114 Resp: 563917

Ion Ratio Lower Upper

114 100

63 17.2 0.0 37.8

88 14.8 0.0 30.2



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

300000

250000

200000

150000

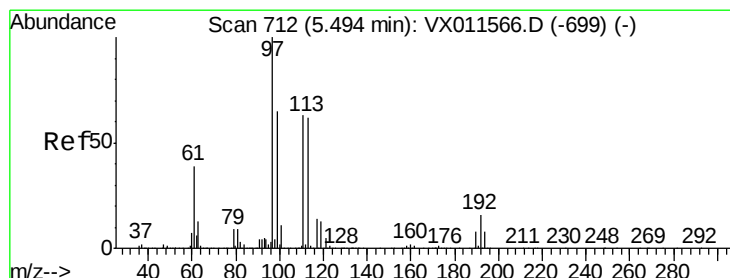
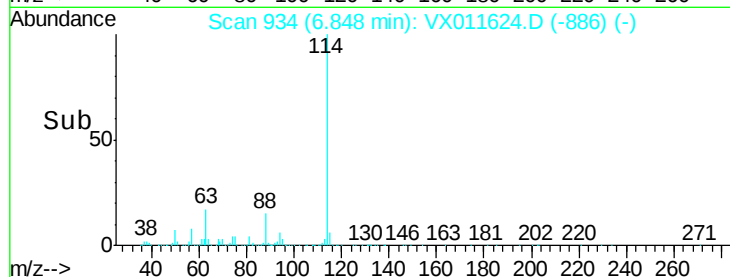
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 43.288 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

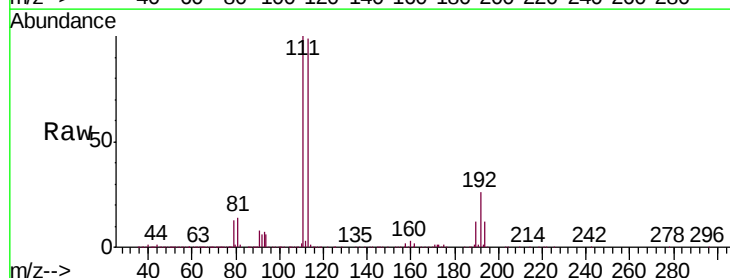
Tgt Ion:113 Resp: 159661

Ion Ratio Lower Upper

113 100

111 103.3 81.1 121.7

192 26.1 20.8 31.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

80000

60000

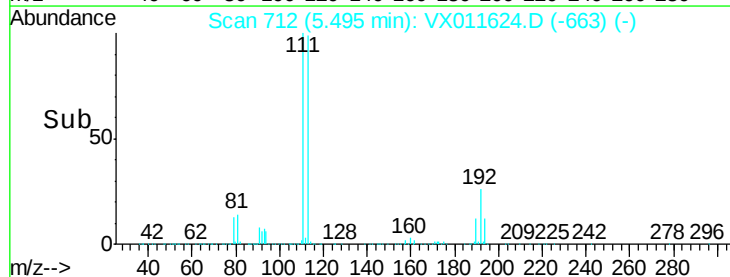
40000

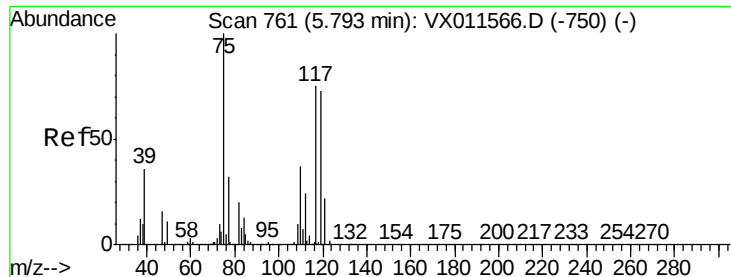
20000

0

5.30 5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 4.812 ug/l

RT: 5.64 min Scan# 736

Delta R.T. -0.15 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

Instrument :

MSVOA_X

ClientSampled :

SP-6

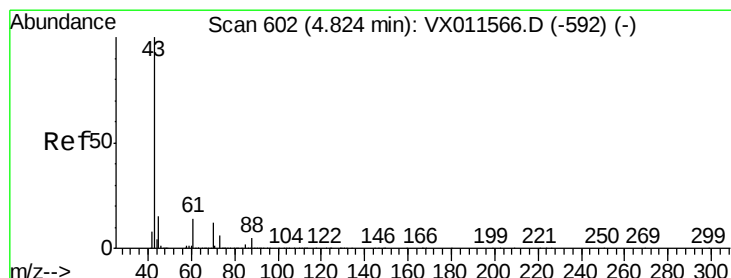
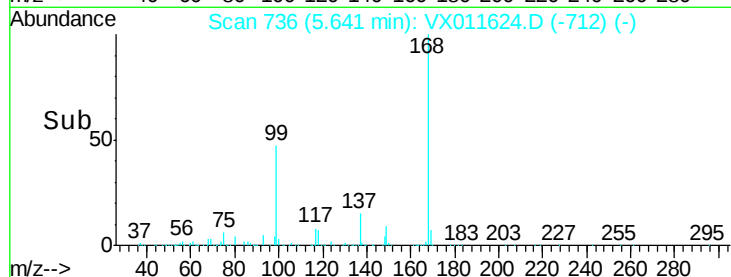
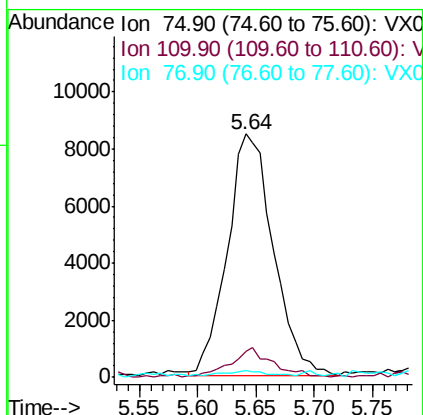
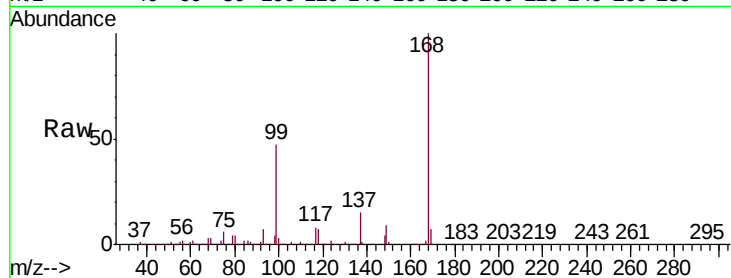
Tgt Ion: 75 Resp: 23202

Ion Ratio Lower Upper

75 100

110 11.4 19.4 58.1#

77 1.3 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.944 ug/l

RT: 4.73 min Scan# 586

Delta R.T. -0.10 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

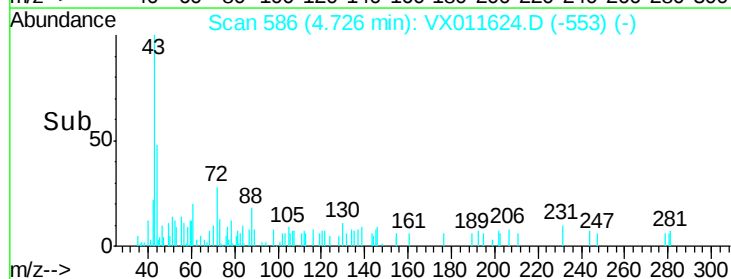
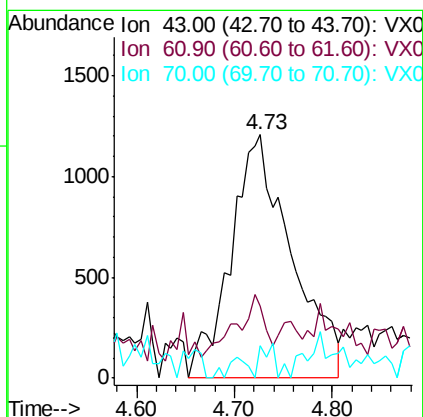
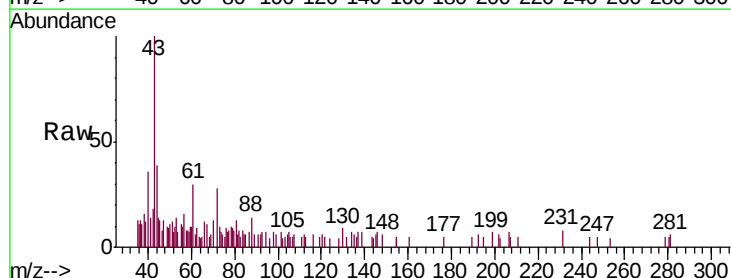
Tgt Ion: 43 Resp: 5235

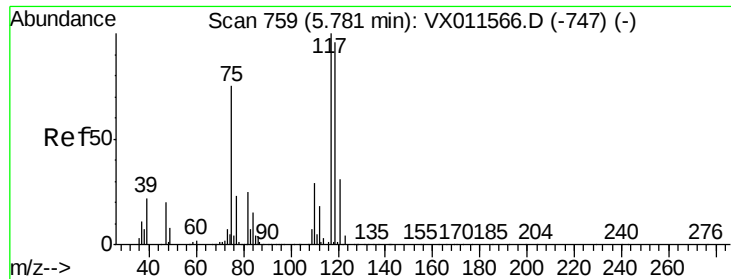
Ion Ratio Lower Upper

43 100

61 11.9 11.4 17.0

70 0.0 9.0 13.6#

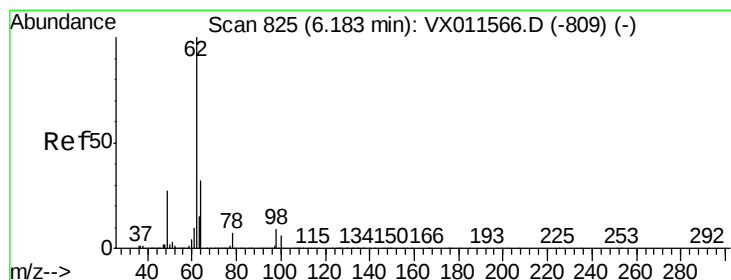
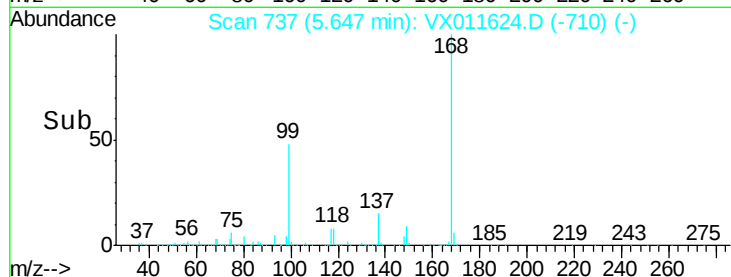
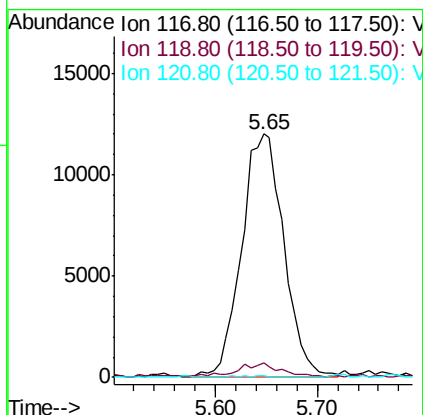
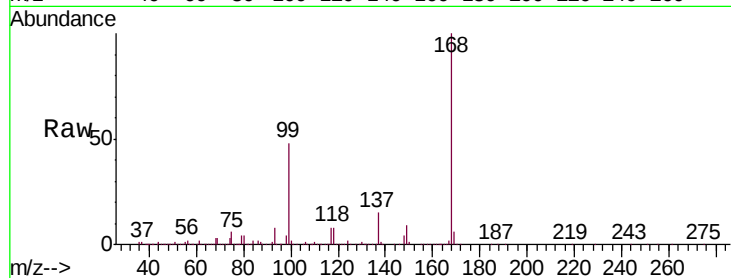




#38
Carbon Tetrachloride
Concen: 6.507 ug/l
RT: 5.65 min Scan# 737
Delta R.T. -0.13 min
Lab File: VX011624.D
Acq: 19 Aug 2019 12:11

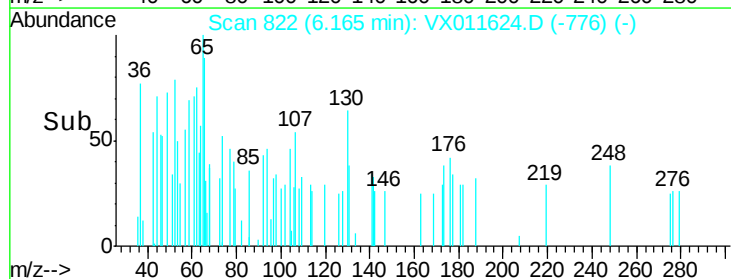
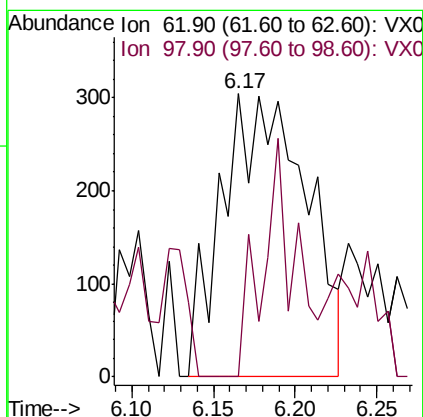
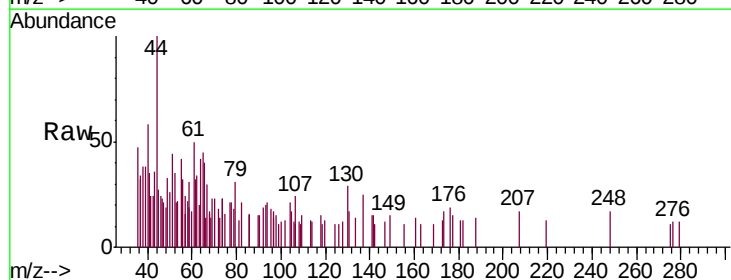
Instrument :
MSVOA_X
ClientSampleId :
SP-6

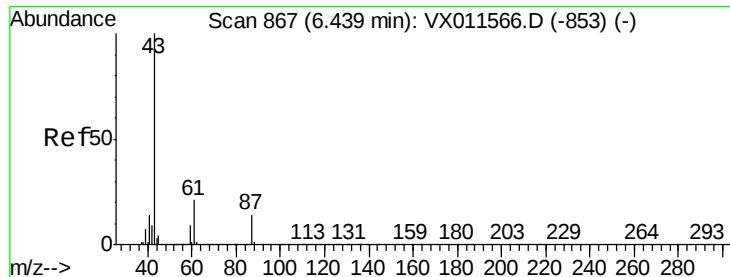
Tgt Ion:117 Resp: 34564
Ion Ratio Lower Upper
117 100
119 5.3 76.9 115.3#
121 0.0 24.8 37.2#



#42
1,2-Dichloroethane
Concen: 0.211 ug/l
RT: 6.17 min Scan# 822
Delta R.T. -0.02 min
Lab File: VX011624.D
Acq: 19 Aug 2019 12:11

Tgt Ion: 62 Resp: 1096
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 0.208 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.02 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

Instrument :

MSVOA_X

ClientSampled :

SP-6

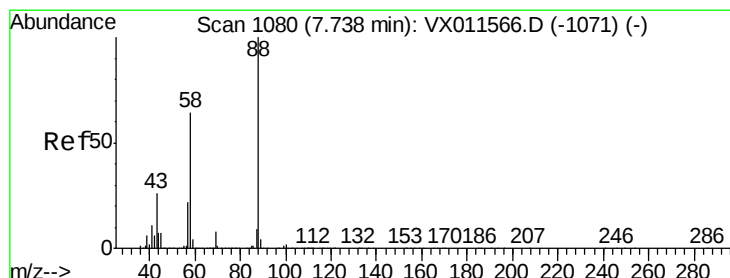
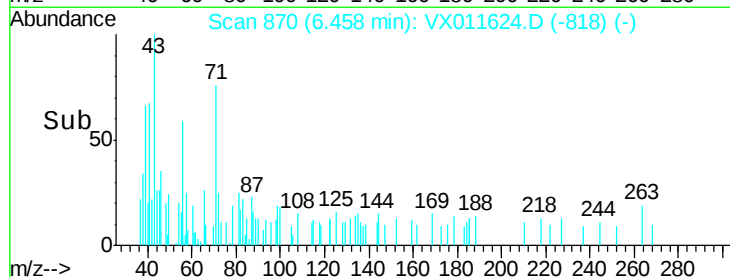
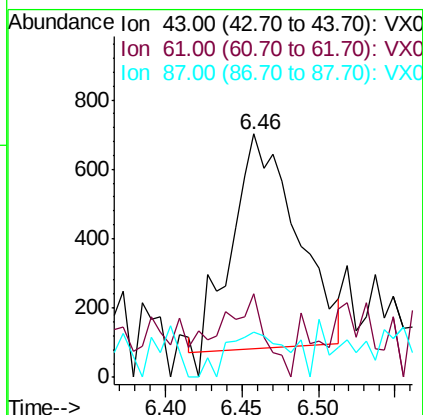
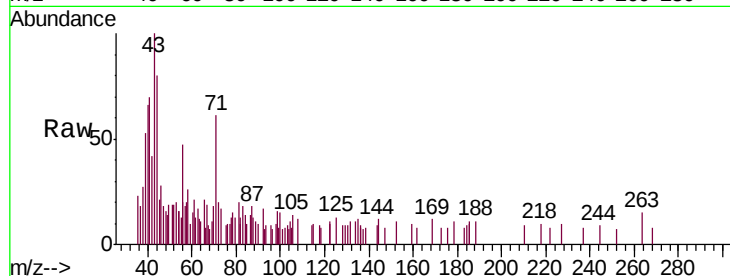
Tgt Ion: 43 Resp: 1799

Ion Ratio Lower Upper

43 100

61 23.2 16.6 24.8

87 18.0 11.4 17.2#



#49

1,4-Dioxane

Concen: 2.088 ug/l

RT: 7.71 min Scan# 1075

Delta R.T. -0.03 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

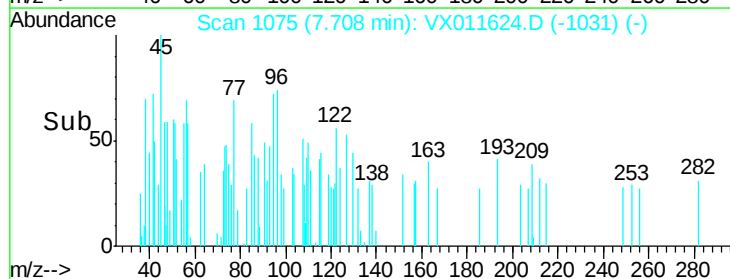
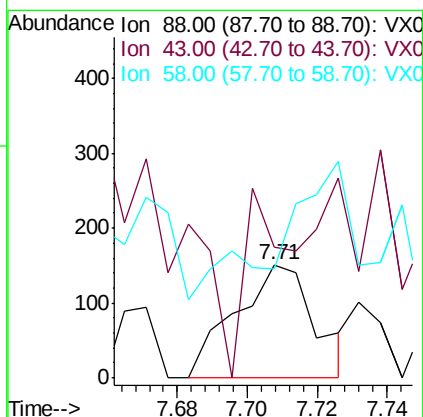
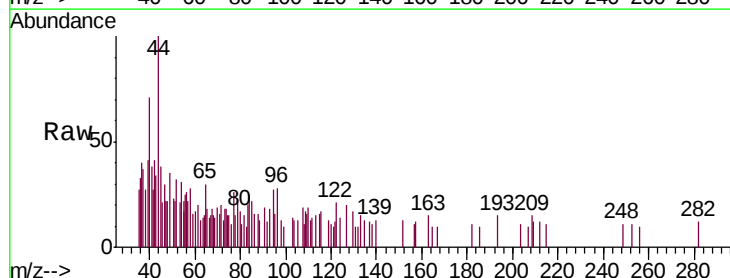
Tgt Ion: 88 Resp: 238

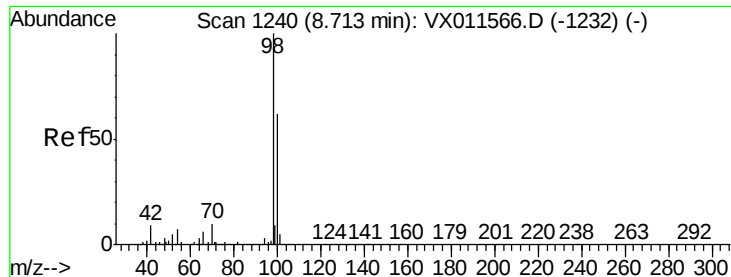
Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.0#

58 63.0 54.3 81.5





#50

Toluene-d8

Concen: 55.938 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

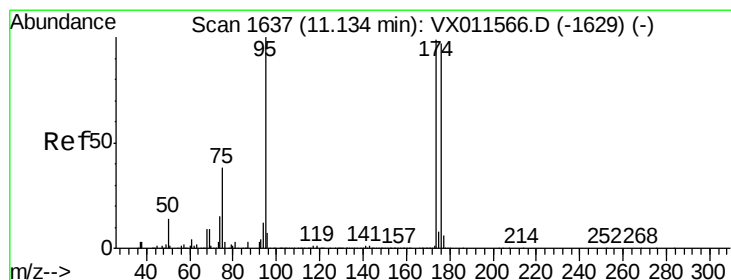
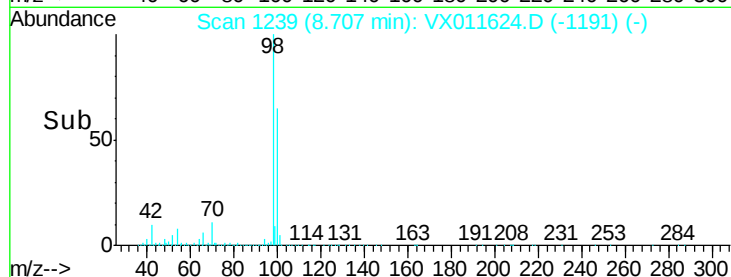
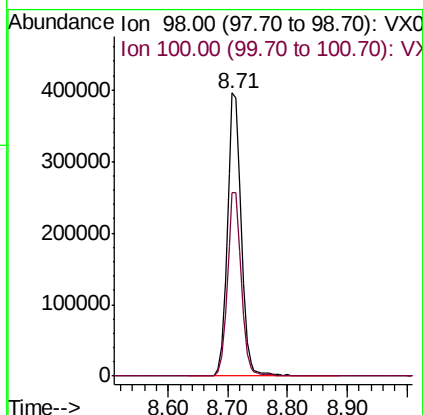
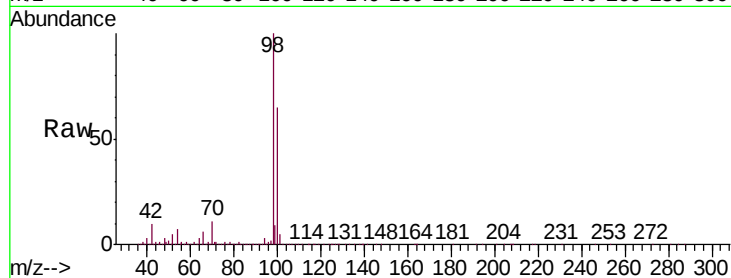
SP-6

Tgt Ion: 98 Resp: 642863

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.630 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

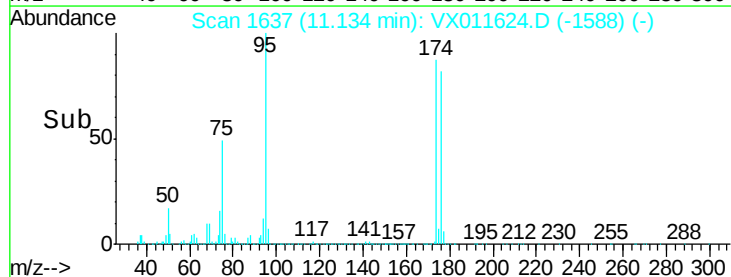
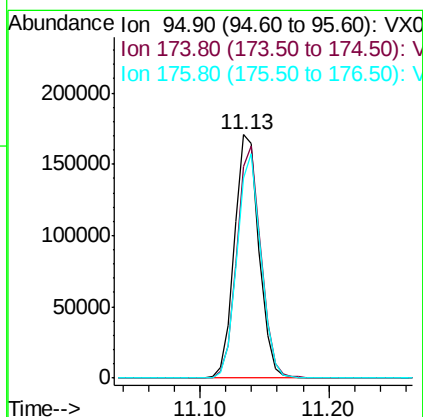
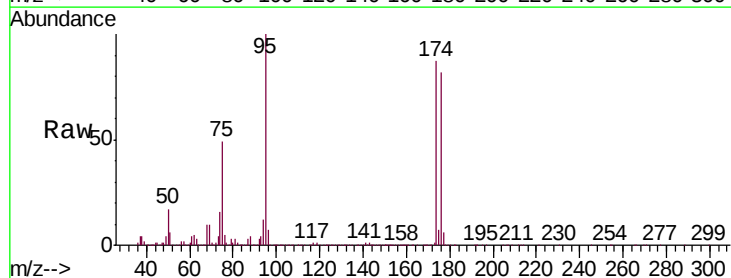
Tgt Ion: 95 Resp: 226191

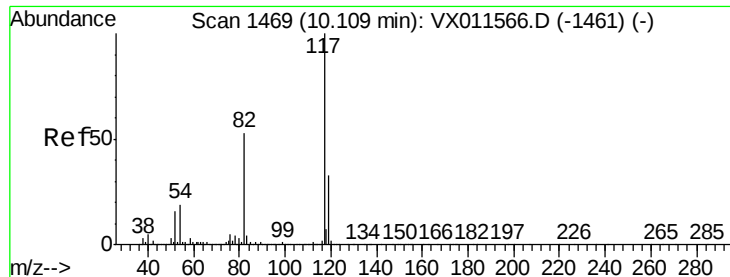
Ion Ratio Lower Upper

95 100

174 93.6 0.0 200.6

176 90.3 0.0 196.6

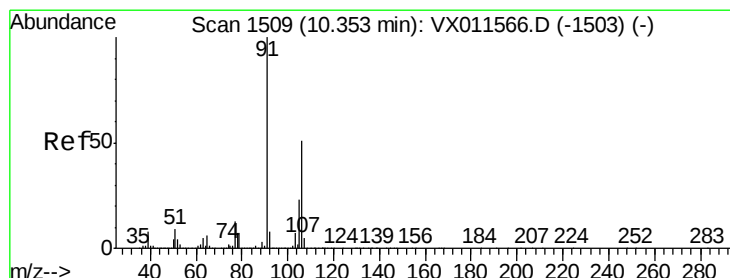
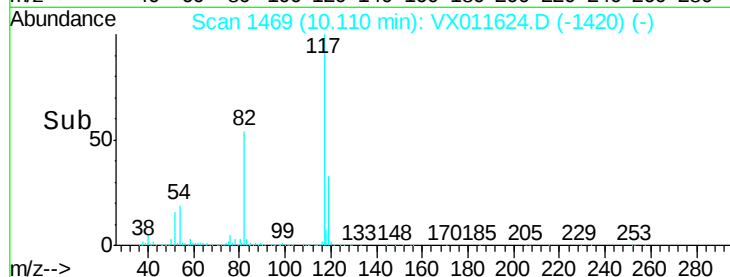
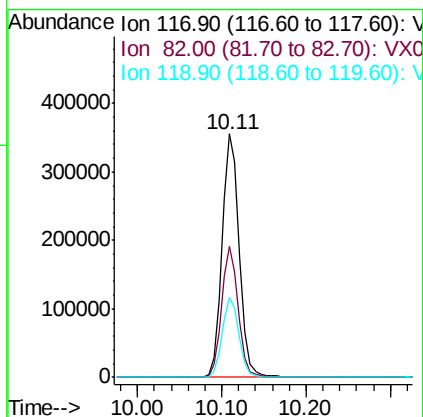
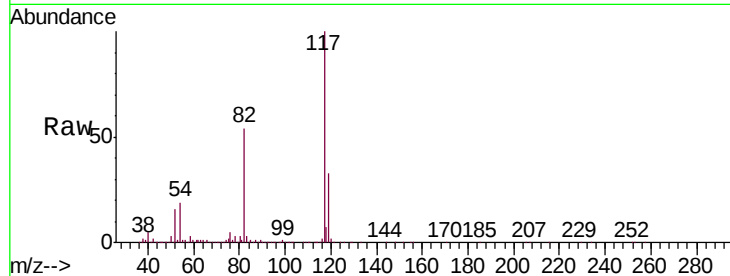




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011624.D
Acq: 19 Aug 2019 12:11

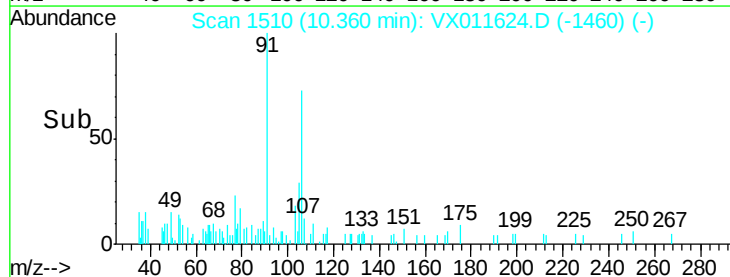
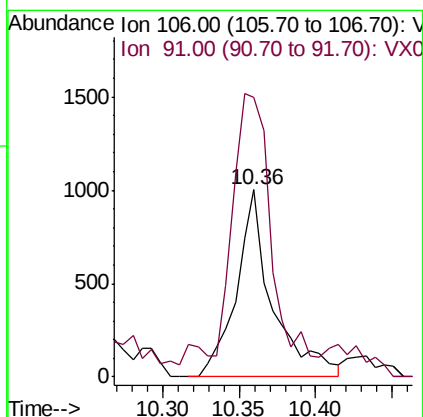
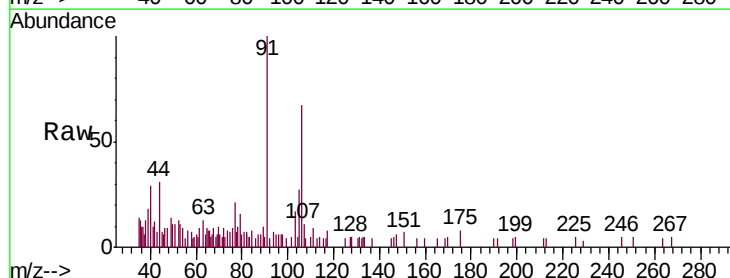
Instrument :
MSVOA_X
ClientSampled :
SP-6

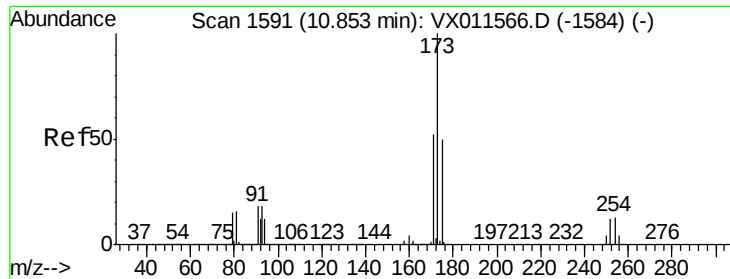
Tgt Ion:117 Resp: 499432
Ion Ratio Lower Upper
117 100
82 53.7 42.0 63.0
119 33.0 26.5 39.7



#68
m/p-Xylenes
Concen: 0.240 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VX011624.D
Acq: 19 Aug 2019 12:11

Tgt Ion:106 Resp: 1639
Ion Ratio Lower Upper
106 100
91 177.9 156.0 234.0

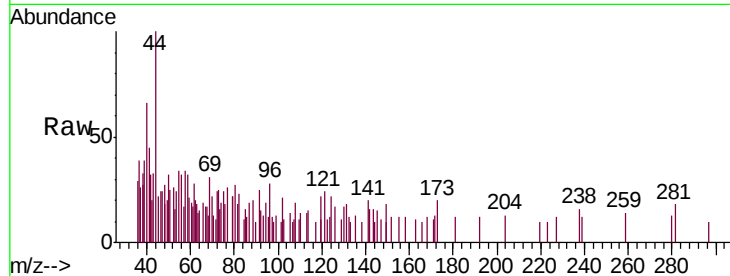




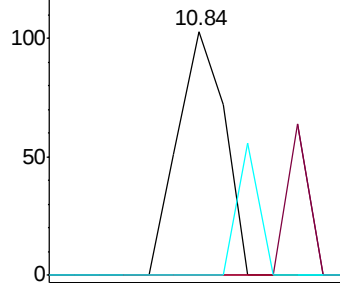
#71
Bromoform
Concen: 3.312 ug/l
RT: 10.84 min Scan# 1589
Delta R.T. -0.01 min
Lab File: VX011624.D
Acq: 19 Aug 2019 12:11

Instrument :
MSVOA_X
ClientSampled :
SP-6

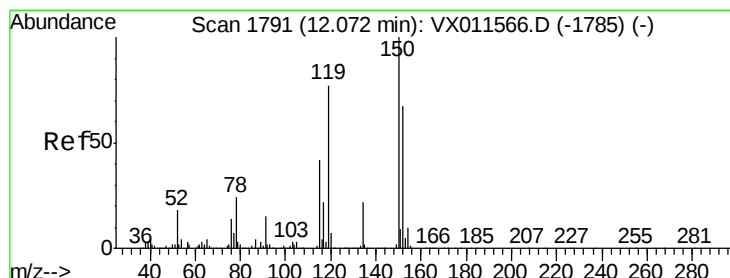
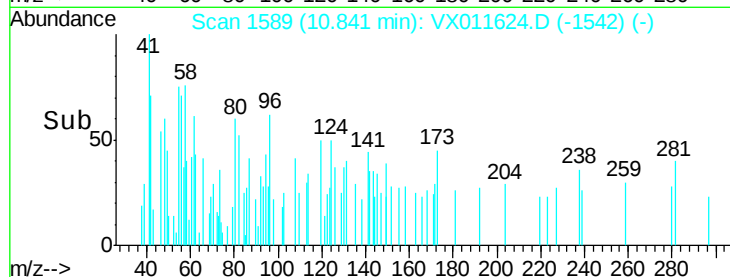
Tgt Ion:173 Resp: 83
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 24.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

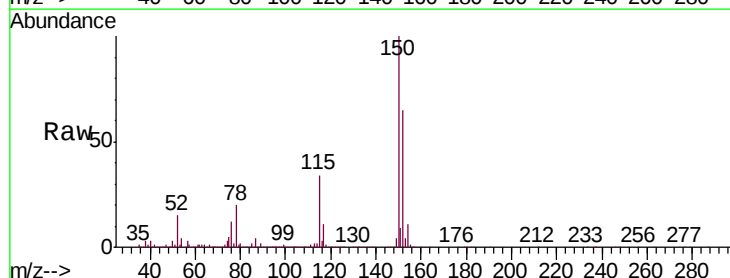


Time-->

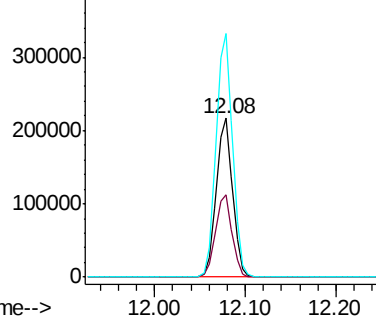


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011624.D
Acq: 19 Aug 2019 12:11

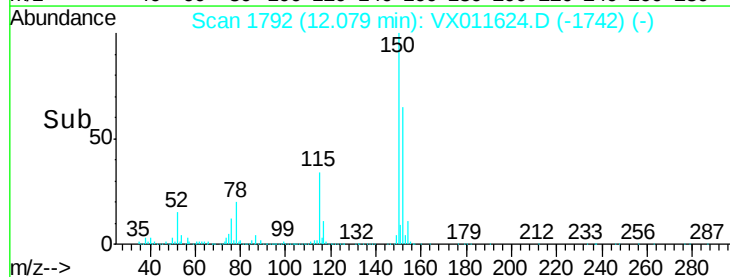
Tgt Ion:152 Resp: 269394
Ion Ratio Lower Upper
152 100
115 52.5 37.3 111.9
150 154.7 0.0 346.2

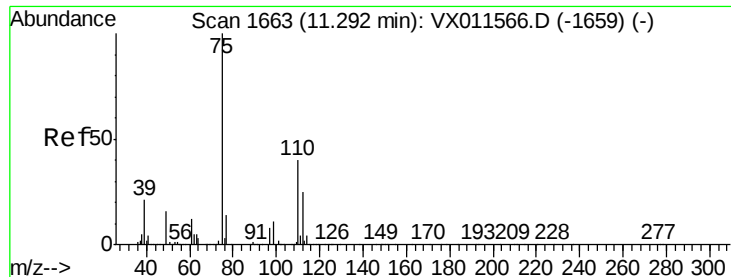


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 21.338 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

Instrument :

MSVOA_X

ClientSampled :

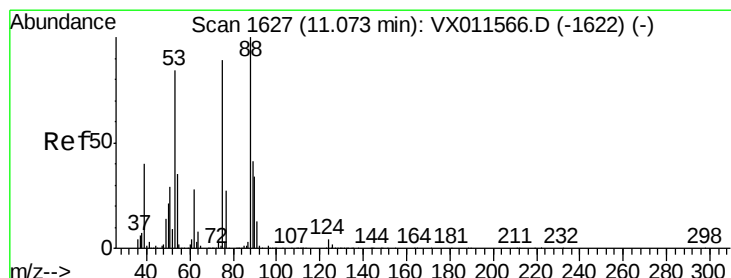
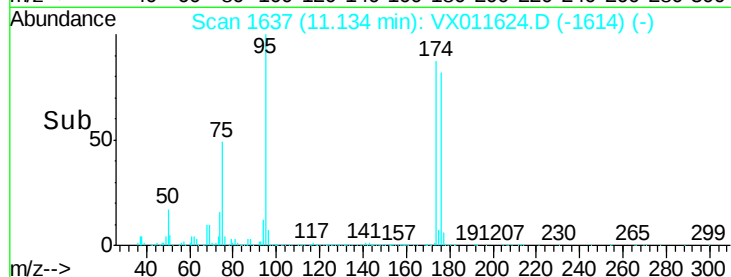
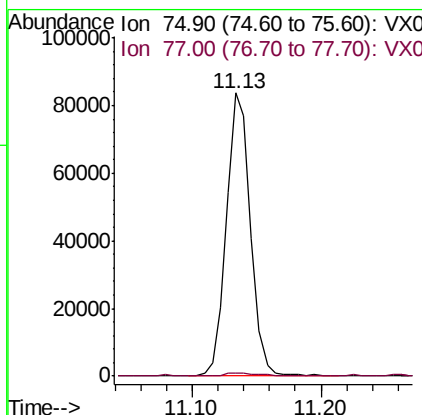
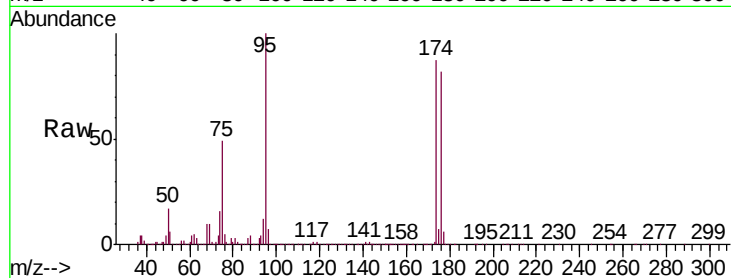
SP-6

Tgt Ion: 75 Resp: 109004

Ion Ratio Lower Upper

75 100

77 1.4 20.9 62.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.104 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

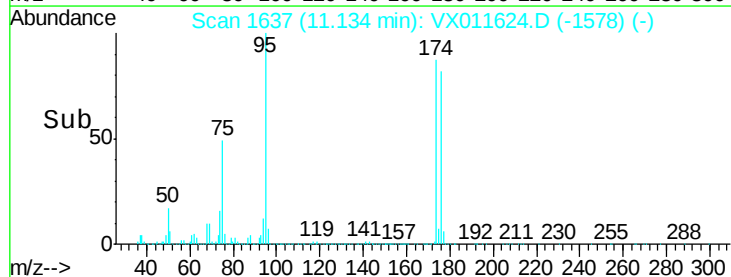
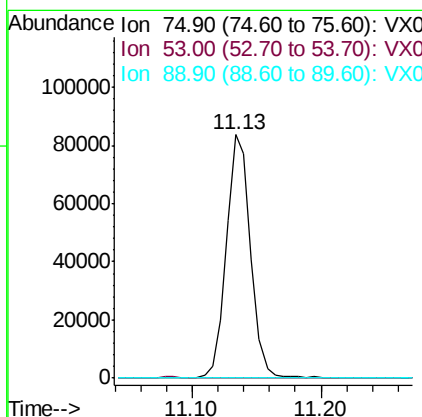
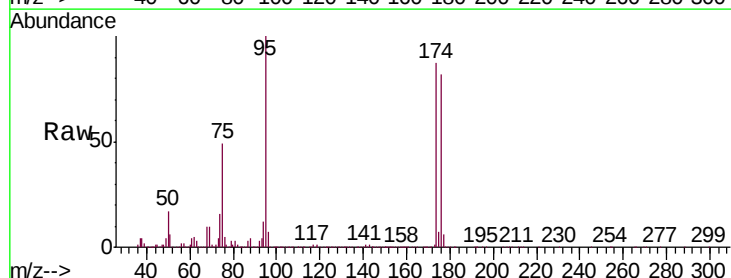
Tgt Ion: 75 Resp: 109004

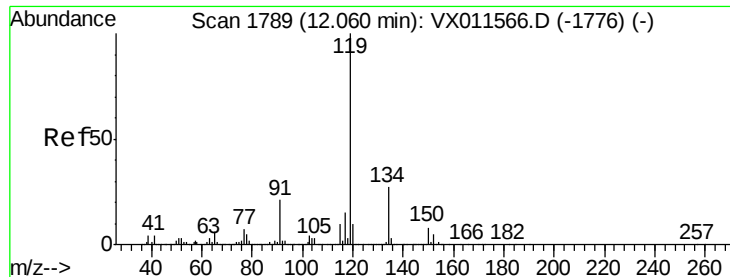
Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 37.3 55.9#





#86

p-Isopropyltoluene

Concen: 0.356 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

SP-6

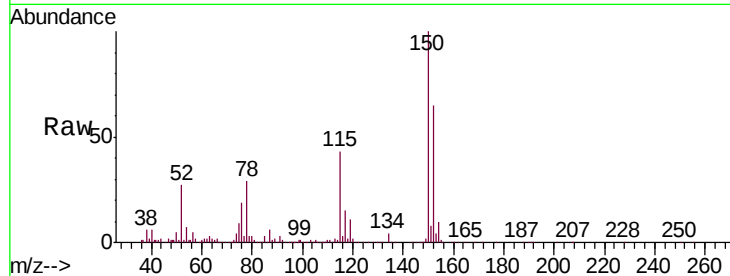
Tgt Ion:119 Resp: 5656

Ion Ratio Lower Upper

119 100

134 35.4 13.6 40.8

91 35.3 10.9 32.9#

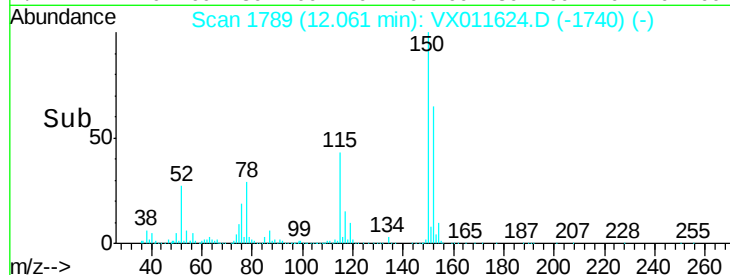


Abundance Ion 119.00 (118.70 to 119.70): V

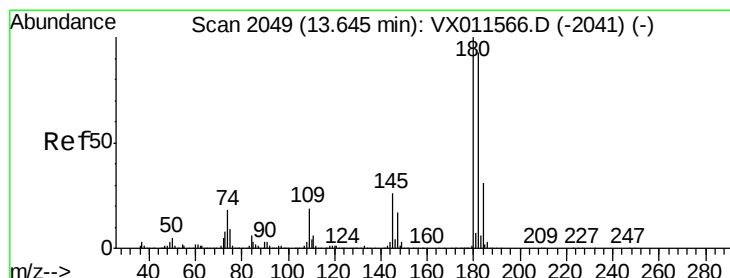
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.217 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

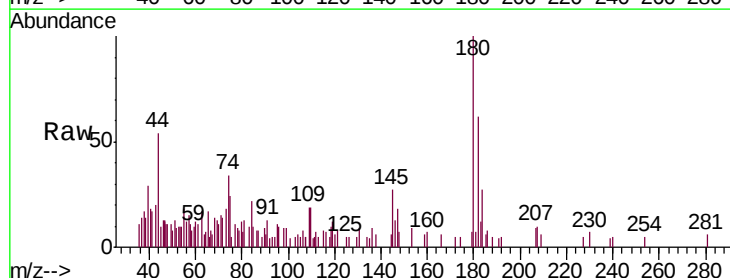
Tgt Ion:180 Resp: 1451

Ion Ratio Lower Upper

180 100

182 97.9 47.3 142.0

145 41.8 13.6 40.8#

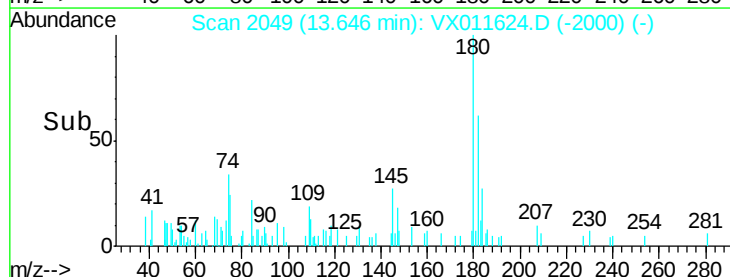


Abundance Ion 179.80 (179.50 to 180.50): V

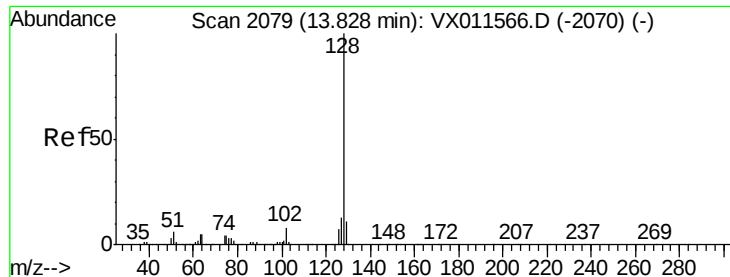
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

Time-->



Time-->



#95

Naphthalene

Concen: 0.284 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

SP-6

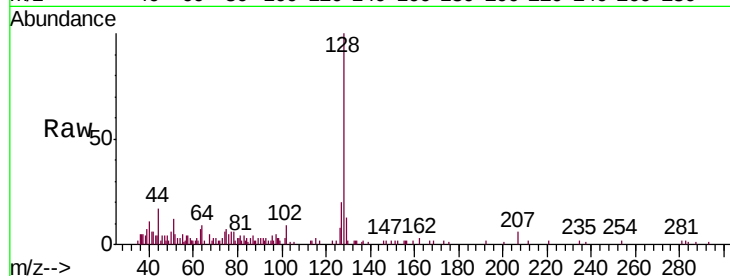
Tgt Ion:128 Resp: 5360

Ion Ratio Lower Upper

128 100

127 17.6 10.3 15.5#

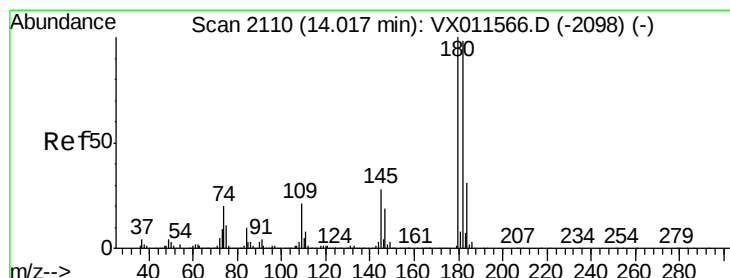
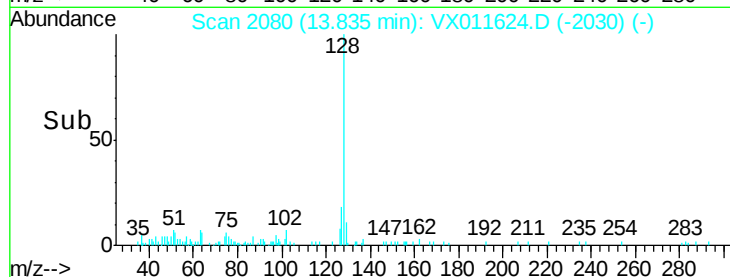
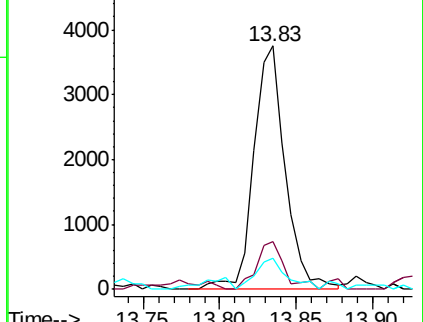
129 12.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.217 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011624.D

Acq: 19 Aug 2019 12:11

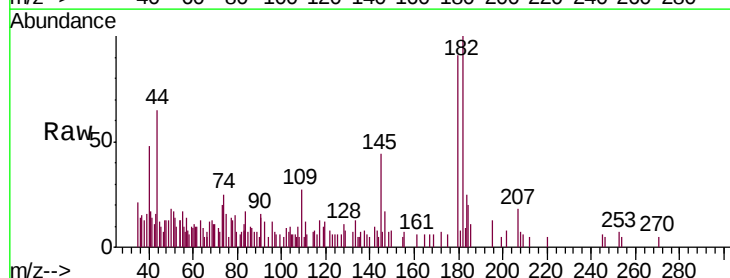
Tgt Ion:180 Resp: 1463

Ion Ratio Lower Upper

180 100

182 89.3 48.0 144.0

145 47.2 14.6 43.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

