

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO091919\
 Data File : VX012524.D
 Acq On : 19 Sep 2019 13:37
 Operator : JC/SP
 Sample : K4888-02
 Misc : 6.11g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 980-B-1-(24)

Quant Time: Sep 20 04:32:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	178781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283909	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	110021	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	117350	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
35) Dibromofluoromethane	5.49	113	80459	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
50) Toluene-d8	8.71	98	328335	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.14	95	123481	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	

Target Compounds

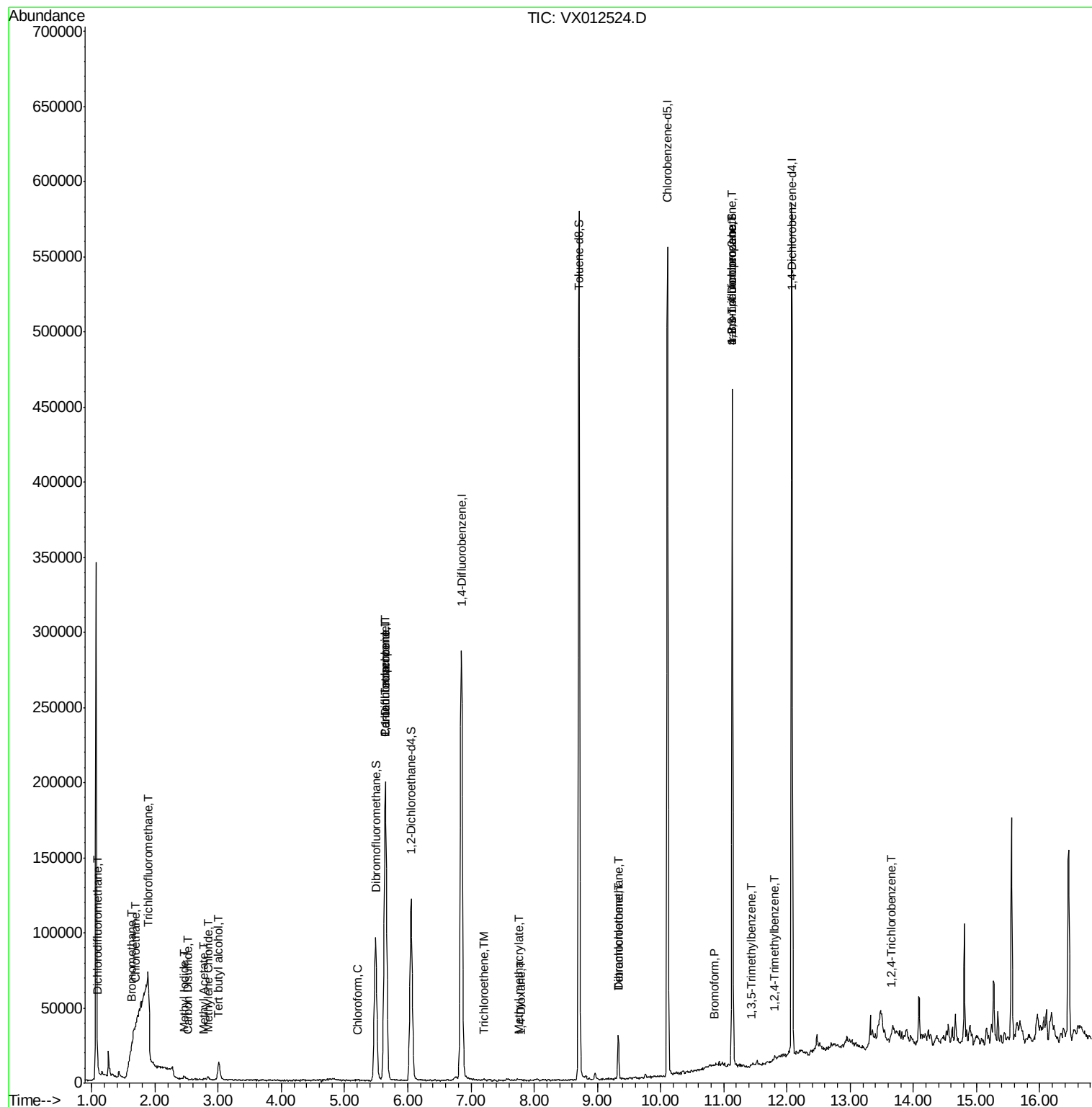
						Qvalue
2) Dichlorodifluoromethane	1.09	85	22	0.409	ug/l #	43
5) Bromomethane	1.62	94	454	1.088	ug/l	92
6) Chloroethane	1.69	64	221	0.266	ug/l	91
7) Trichlorofluoromethane	1.88	101	438	0.225	ug/l #	62
10) Methyl Iodide	2.47	142	671	4.948	ug/l #	92
11) Tert butyl alcohol	3.01	59	7835	6.335	ug/l #	75
13) Acrolein	2.29	56	90	Below Cal	#	1
16) Acetone	2.45	43	195	Below Cal	#	88
17) Carbon Disulfide	2.51	76	226	1.943	ug/l #	1
18) Methyl Acetate	2.78	43	1147	0.430	ug/l	94
20) Methylene Chloride	2.84	84	755	0.487	ug/l #	64
30) Chloroform	5.20	83	778	0.231	ug/l #	69
36) 1,1-Dichloropropene	5.65	75	15527	8.999	ug/l #	52
38) Carbon Tetrachloride	5.64	117	19769	9.212	ug/l #	16
44) Trichloroethene	7.20	130	289	0.200	ug/l	65
48) Methyl methacrylate	7.77	41	475	0.212	ug/l #	16
49) 1,4-Dioxane	7.79	88	22	0.403	ug/l #	1
60) Dibromochloromethane	9.33	129	5416	2.919	ug/l #	11
64) Tetrachloroethene	9.33	164	5174	4.691	ug/l	90
71) Bromoform	10.85	173	367	3.113	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	63043	24.945	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.43	105	1248	0.212	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.14	75	63043	67.339	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.80	105	1734	0.287	ug/l	82
93) 1,2,4-Trichlorobenzene	13.65	180	467	0.219	ug/l	67

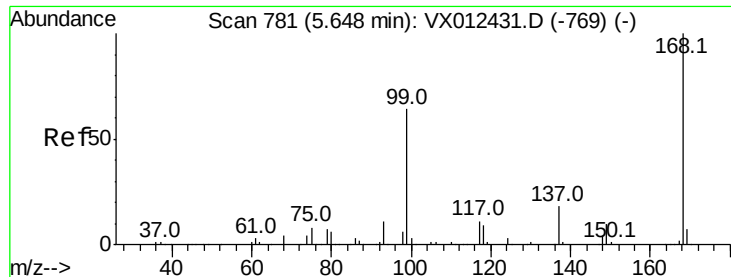
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012524.D
Acq On : 19 Sep 2019 13:37
Operator : JC/SP
Sample : K4888-02
Misc : 6.11g/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
980-B-1-(24)

Quant Time: Sep 20 04:32:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

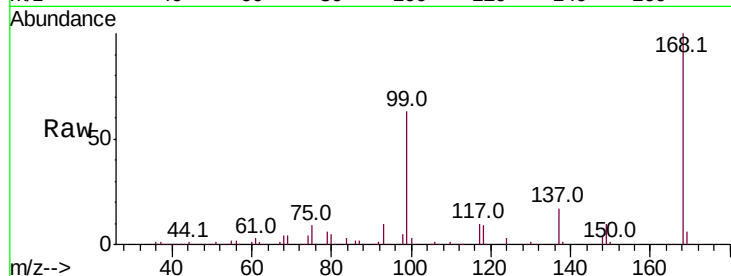
980-B-1-(24)

Tot Ion:168 Resp: 178781

Ion Ratio Lower Upper

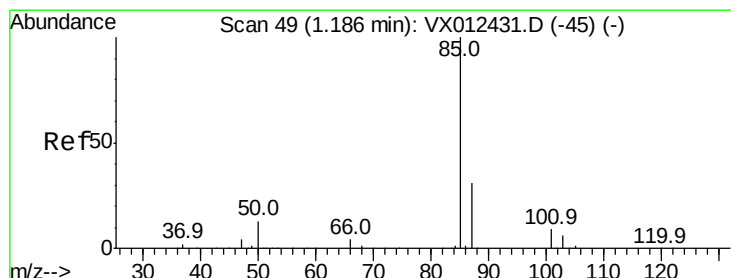
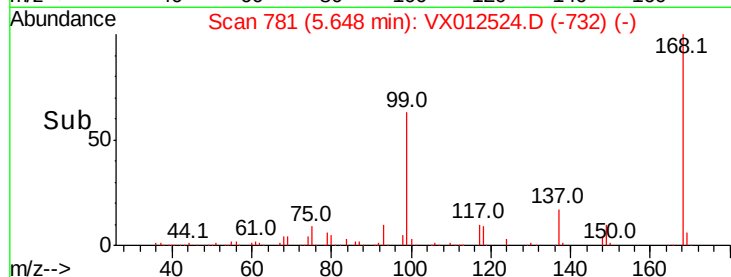
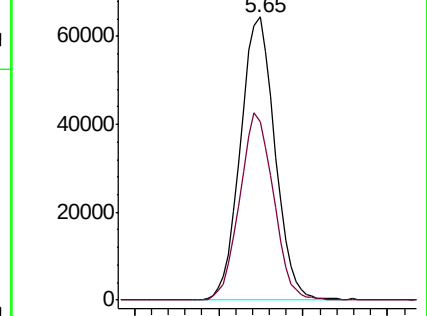
168 100

99 62.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.409 ug/l

RT: 1.09 min Scan# 34

Delta R.T. -0.09 min

Lab File: VX012524.D

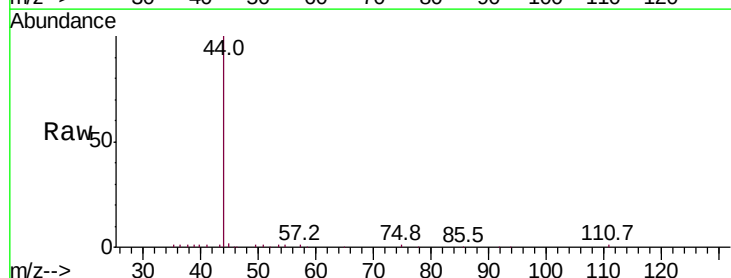
Acq: 19 Sep 2019 13:37

Tgt Ion: 85 Resp: 22

Ion Ratio Lower Upper

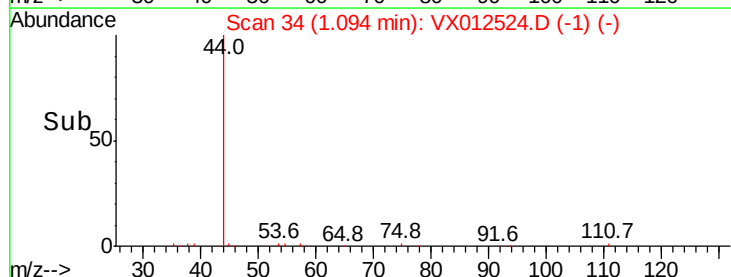
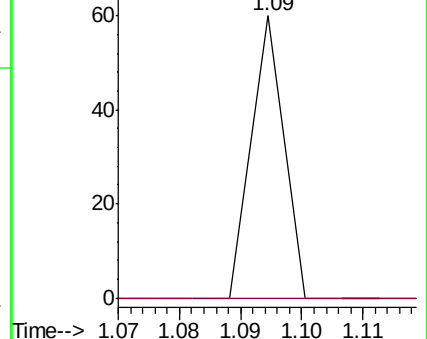
85 100

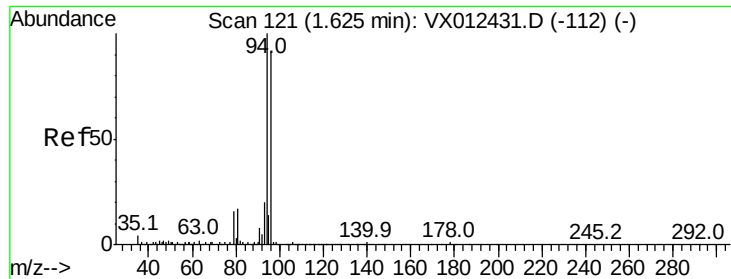
87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 1.088 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

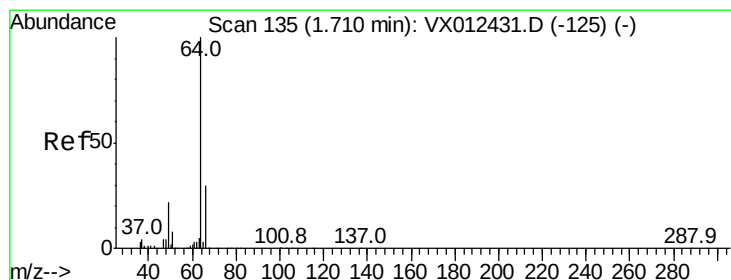
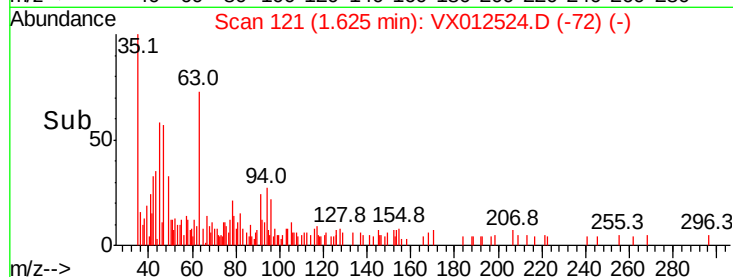
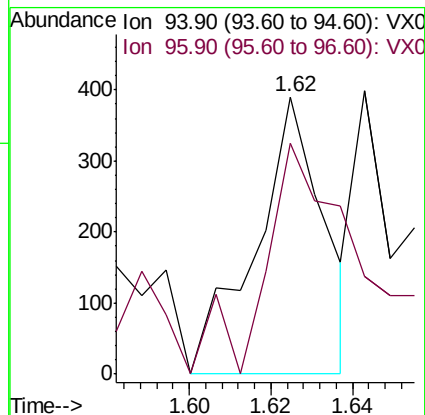
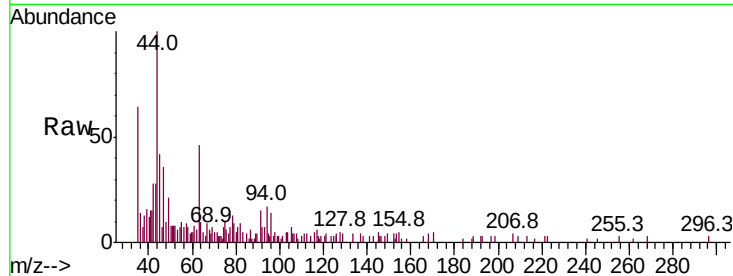
980-B-1-(24)

Tot Ion: 94 Resp: 454

Ion Ratio Lower Upper

94 100

96 83.3 72.8 109.2



#6

Chloroethane

Concen: 0.266 ug/l

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX012524.D

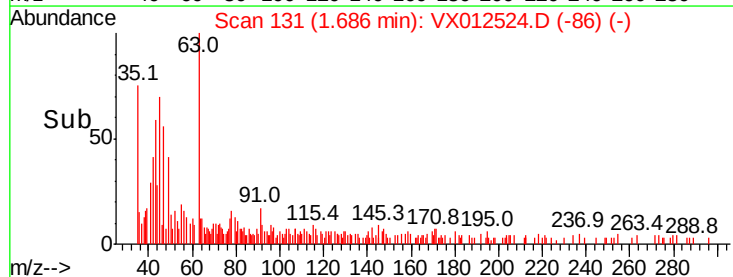
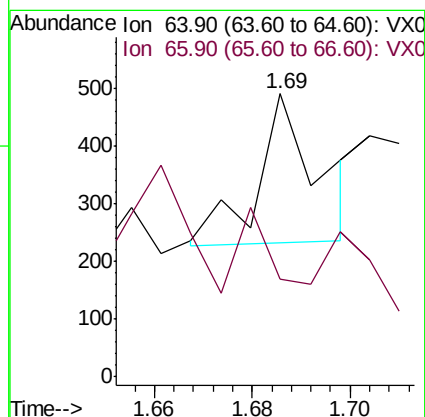
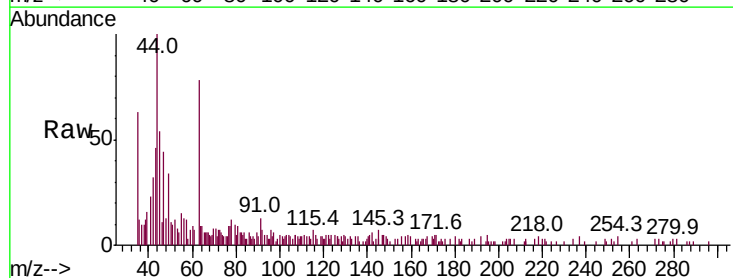
Acq: 19 Sep 2019 13:37

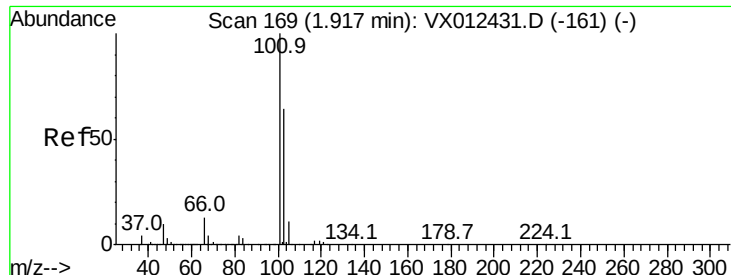
Tgt Ion: 64 Resp: 221

Ion Ratio Lower Upper

64 100

66 34.6 24.0 36.0



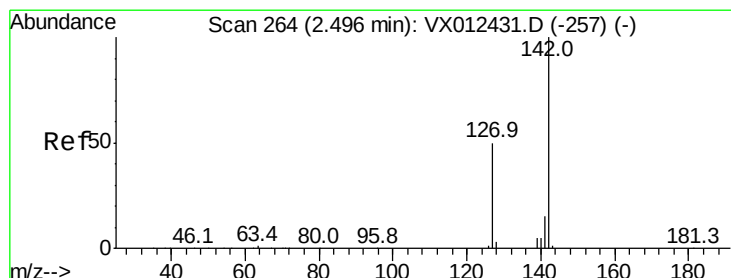
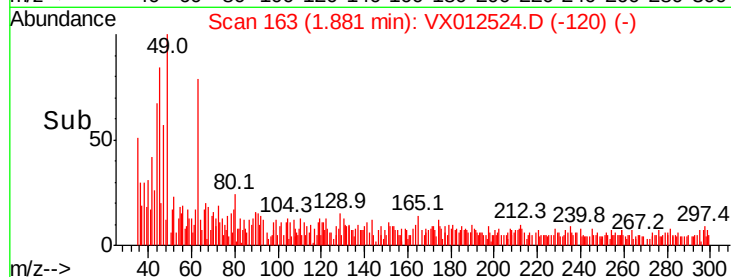
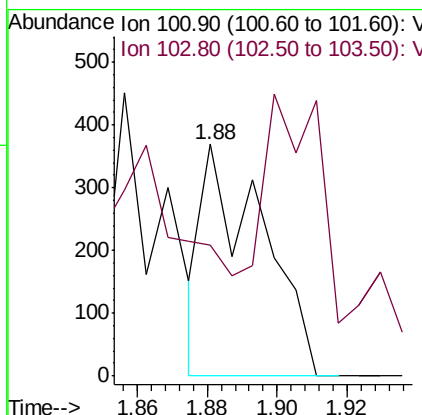
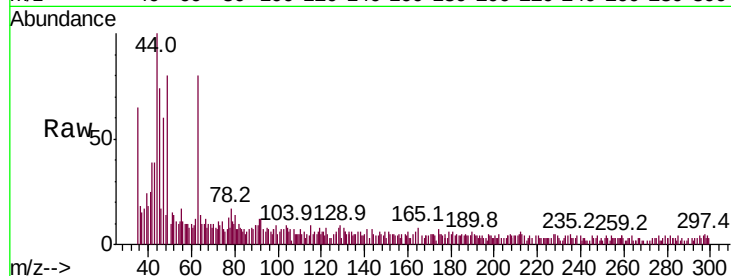


#7

Trichlorofluoromethane
Concen: 0.225 ug/l
RT: 1.88 min Scan# 163
Delta R.T. -0.04 min
Lab File: VX012524.D
Acq: 19 Sep 2019 13:37

Instrument :
MSVOA_X
ClientSampled :
980-B-1-(24)

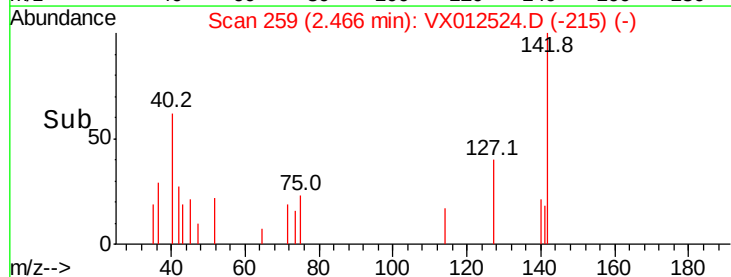
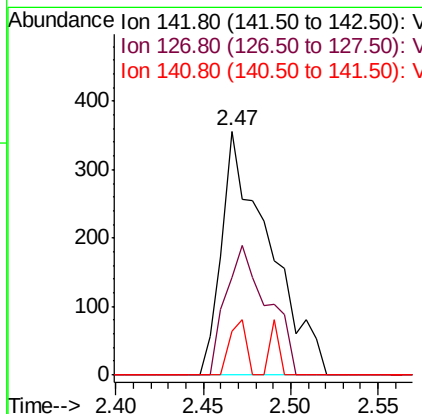
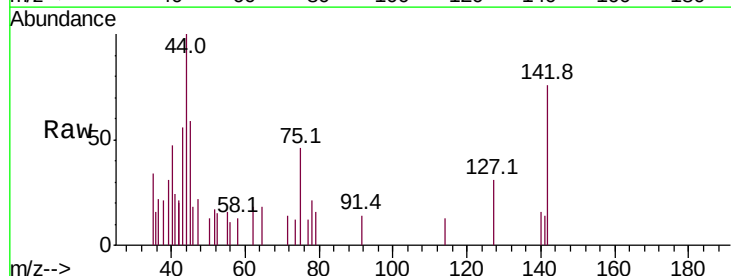
Tot Ion:101 Resp: 438
Ion Ratio Lower Upper
101 100
103 33.9 51.0 76.4#

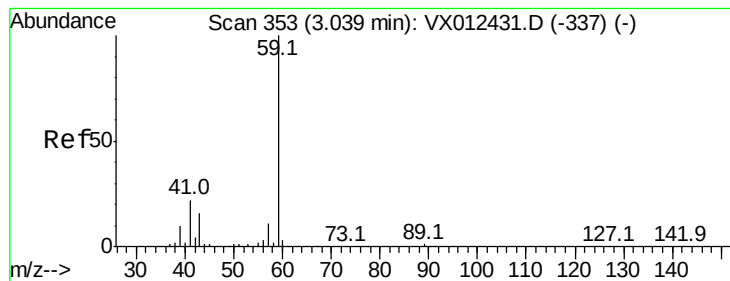


#10

Methyl Iodide
Concen: 4.948 ug/l
RT: 2.47 min Scan# 259
Delta R.T. -0.03 min
Lab File: VX012524.D
Acq: 19 Sep 2019 13:37

Tgt Ion:142 Resp: 671
Ion Ratio Lower Upper
142 100
127 47.1 40.8 61.2
141 7.9 12.1 18.1#



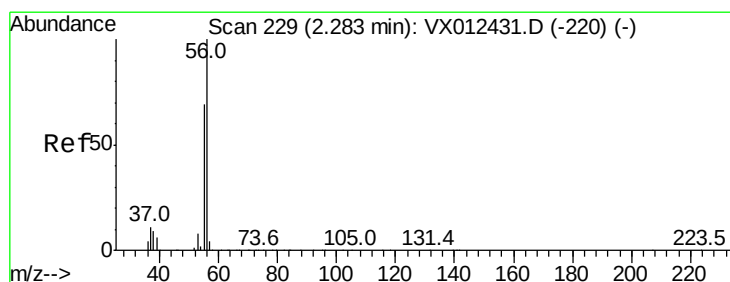
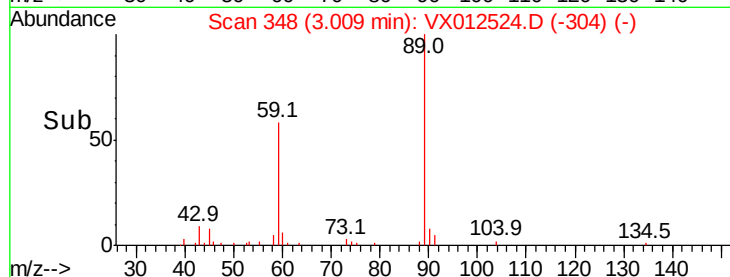
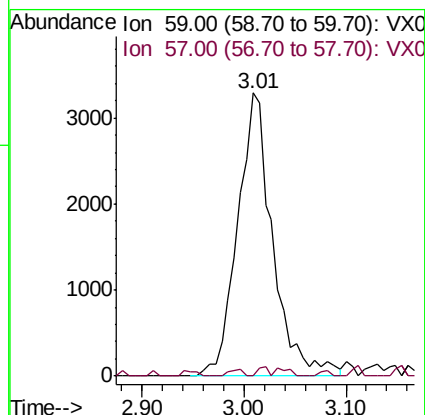
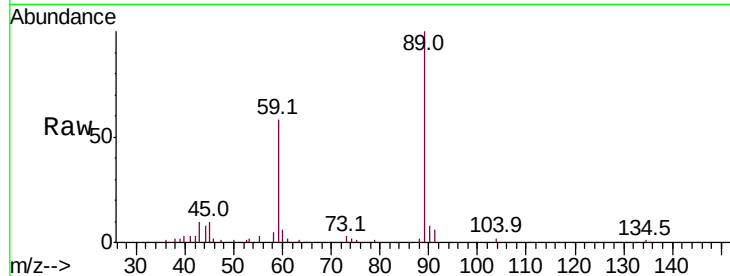


#11

Tert butyl alcohol
 Concen: 6.335 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012524.D
 Acq: 19 Sep 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 980-B-1-(24)

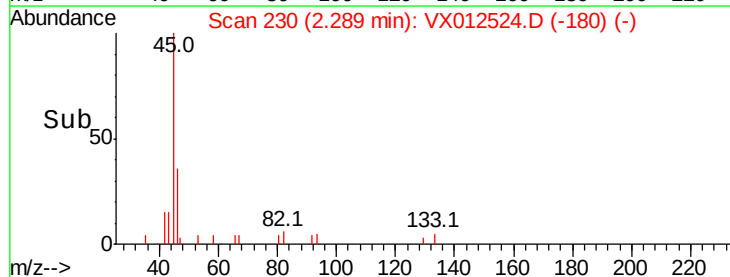
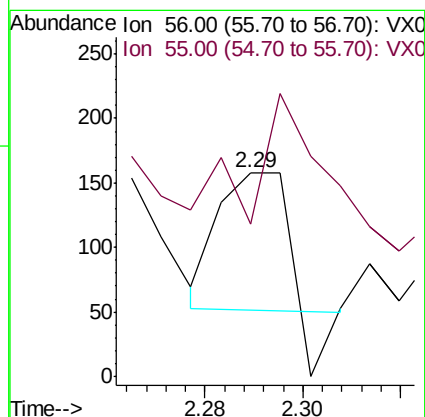
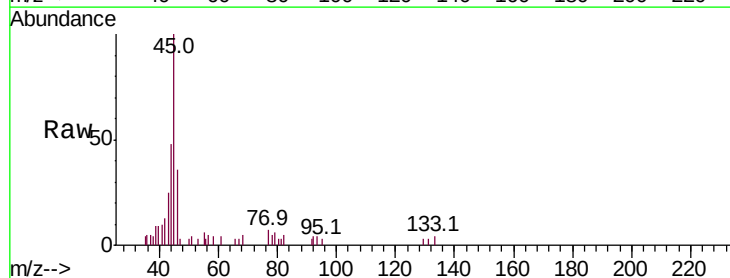
Tot Ion: 59 Resp: 7835
 Ion Ratio Lower Upper
 59 100
 57 1.0 8.3 12.5#

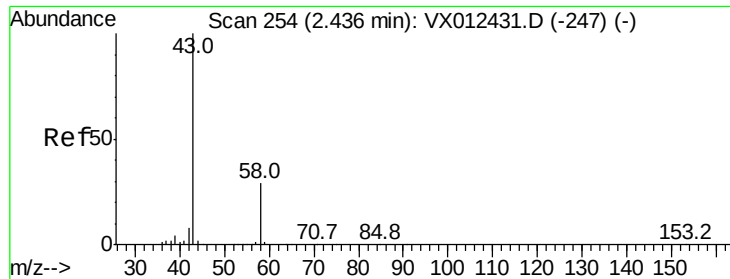


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX012524.D
 Acq: 19 Sep 2019 13:37

Tgt Ion: 56 Resp: 90
 Ion Ratio Lower Upper
 56 100
 55 182.2 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 256

Delta R.T. 0.01 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

Instrument :

MSVOA_X

ClientSampled :

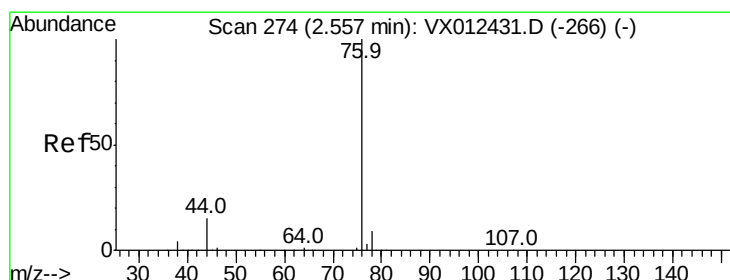
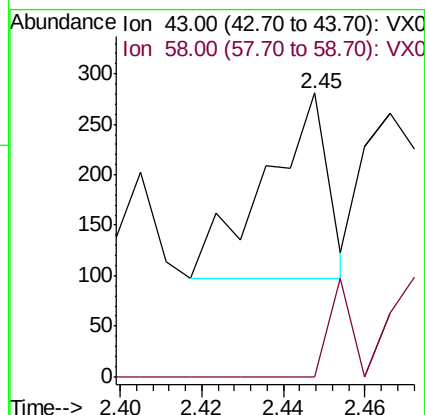
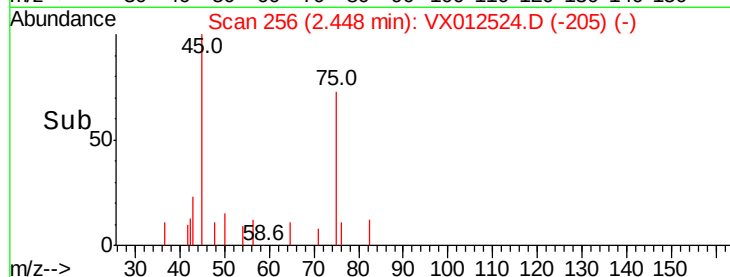
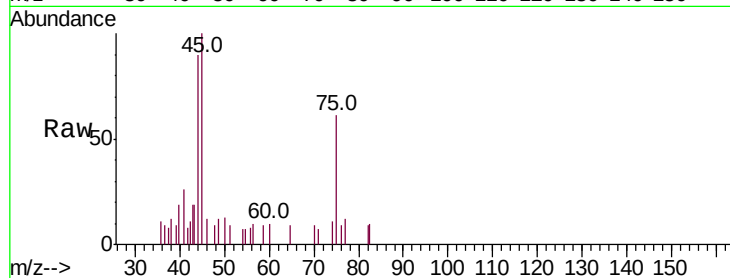
980-B-1-(24)

Tot Ion: 43 Resp: 195

Ion Ratio Lower Upper

43 100

58 35.3 23.3 34.9#



#17

Carbon Disulfide

Concen: 1.943 ug/l

RT: 2.51 min Scan# 266

Delta R.T. -0.05 min

Lab File: VX012524.D

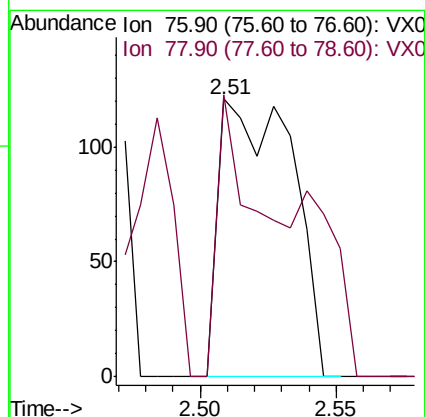
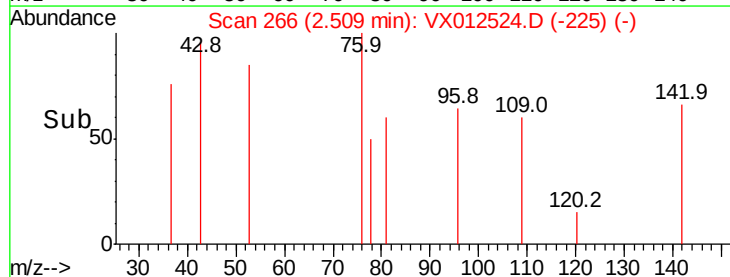
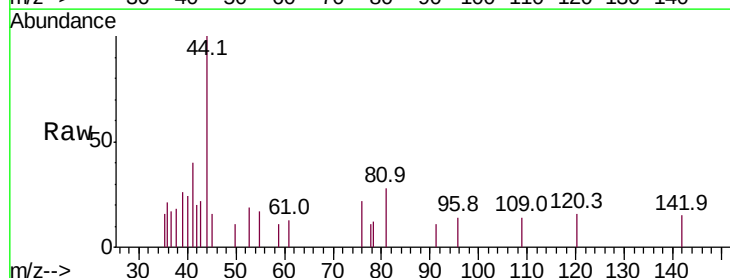
Acq: 19 Sep 2019 13:37

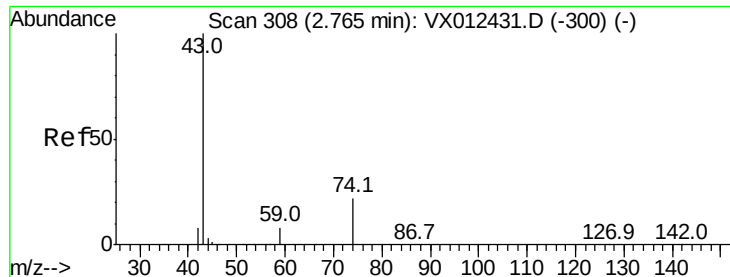
Tgt Ion: 76 Resp: 226

Ion Ratio Lower Upper

76 100

78 101.7 7.3 10.9#

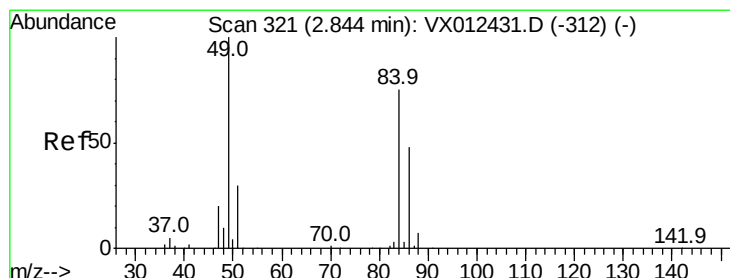
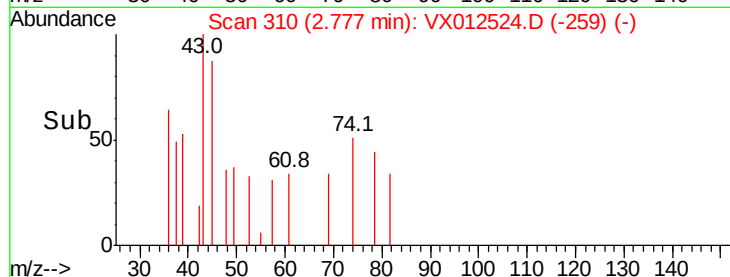
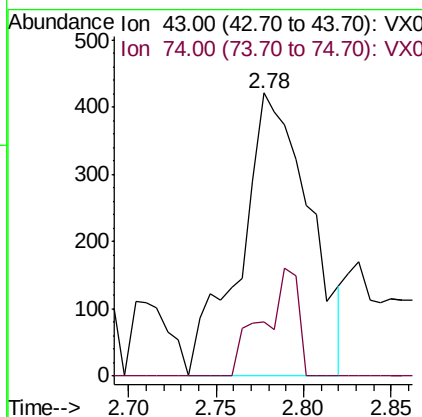
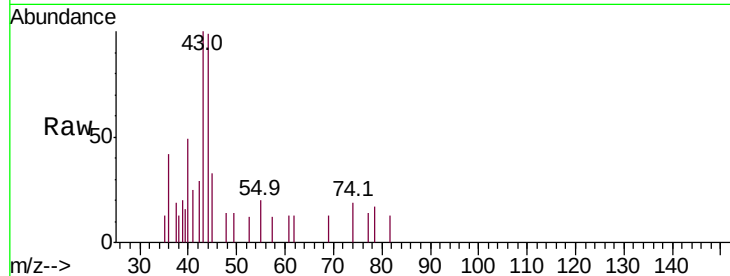




#18
Methvl Acetate
Concen: 0.430 ug/l
RT: 2.78 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX012524.D
Acq: 19 Sep 2019 13:37

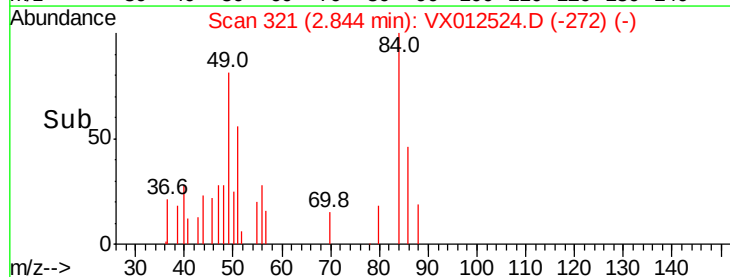
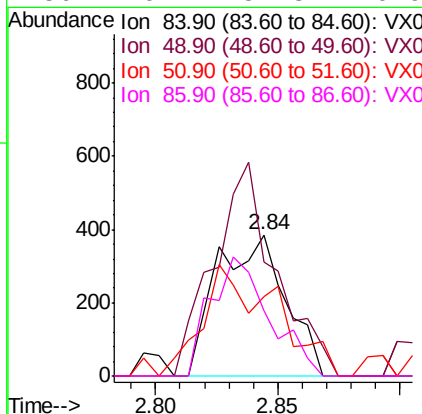
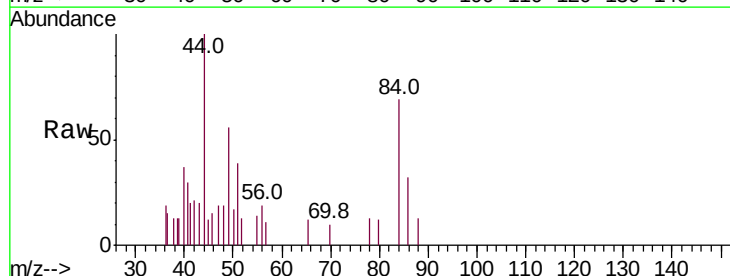
Instrument :
MSVOA_X
ClientSampled :
980-B-1-(24)

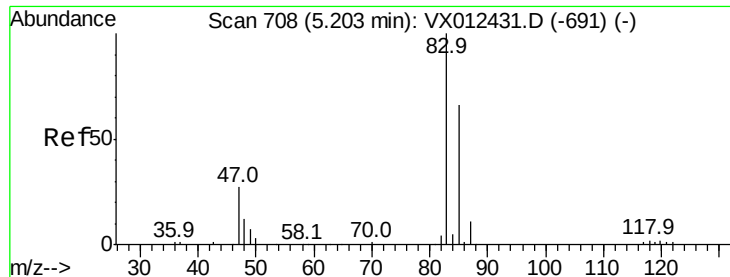
Tot Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
74 19.4 17.7 26.5



#20
Methylene Chloride
Concen: 0.487 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012524.D
Acq: 19 Sep 2019 13:37

Tgt Ion: 84 Resp: 755
Ion Ratio Lower Upper
84 100
49 80.5 106.8 160.2#
51 56.4 32.3 48.5#
86 46.2 51.3 76.9#





#30

Chloroform

Concen: 0.231 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

Instrument :

MSVOA_X

ClientSampled :

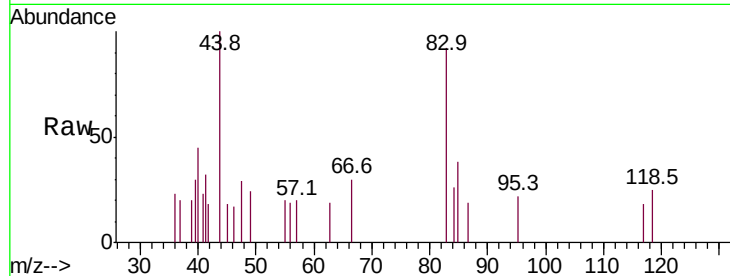
980-B-1-(24)

Tot Ion: 83 Resp: 778

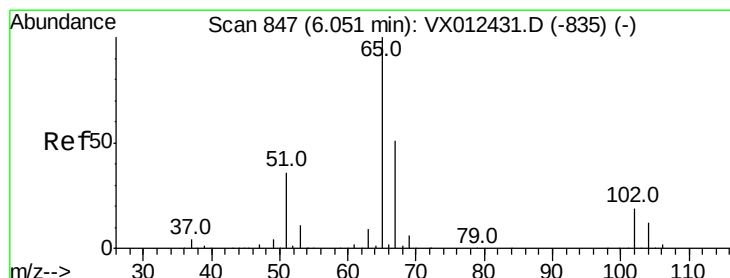
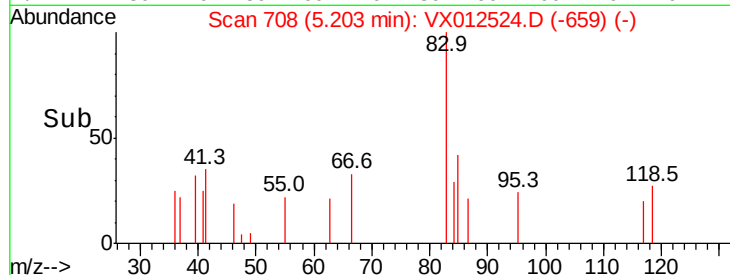
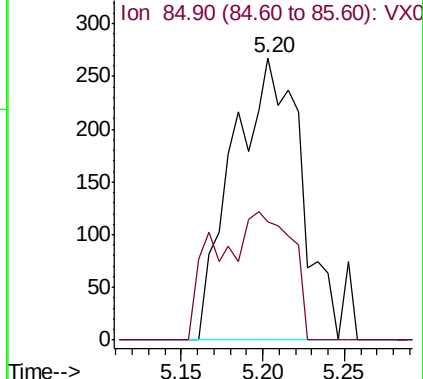
Ion Ratio Lower Upper

83 100

85 41.8 53.0 79.4#



Abundance Ion 82.90 (82.60 to 83.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.799 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012524.D

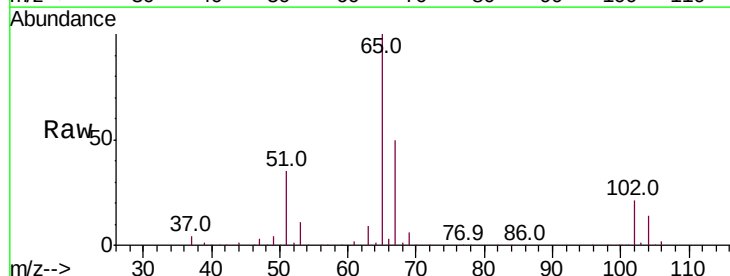
Acq: 19 Sep 2019 13:37

Tgt Ion: 65 Resp: 117350

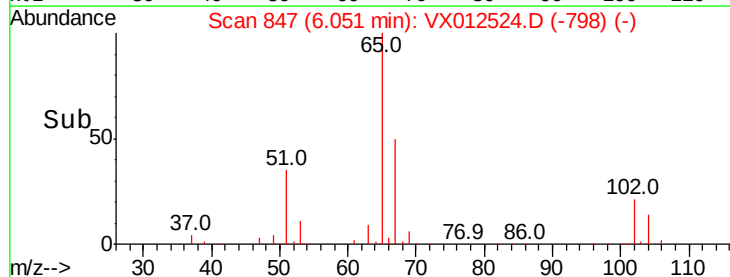
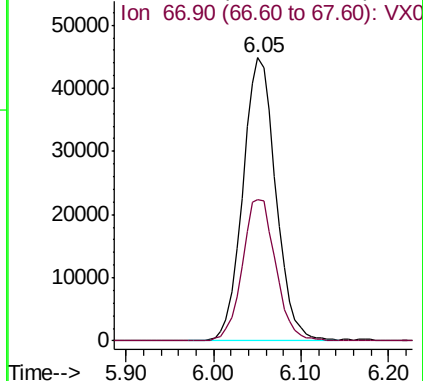
Ion Ratio Lower Upper

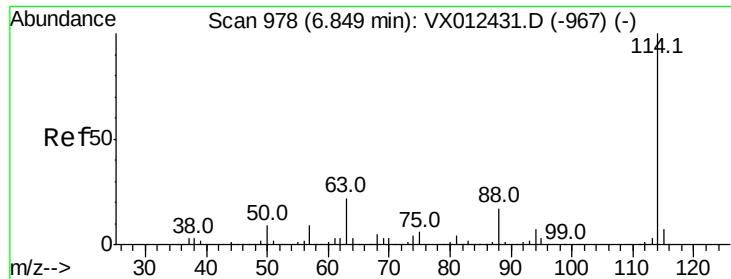
65 100

67 50.4 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

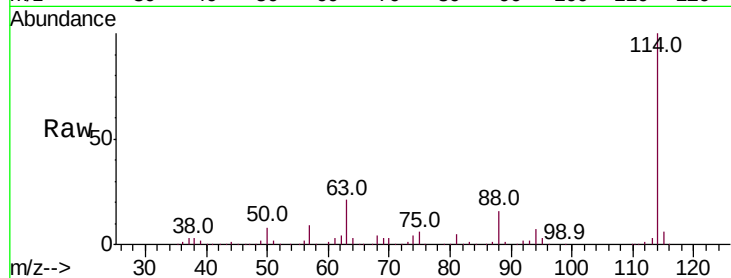




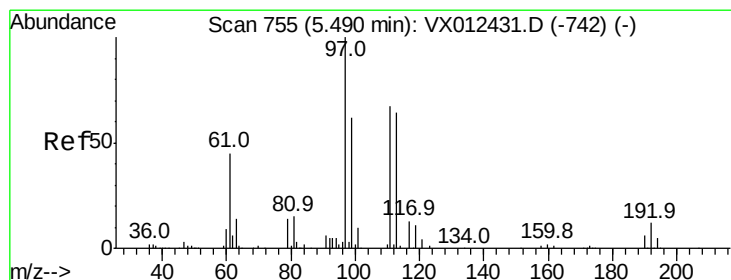
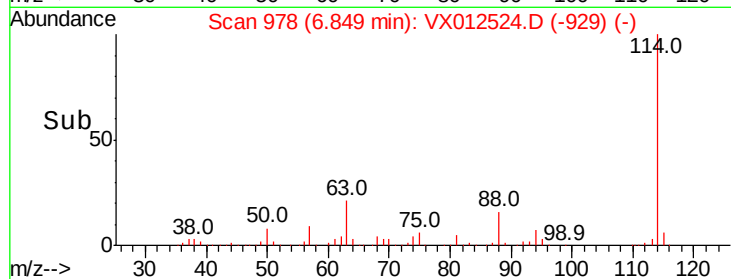
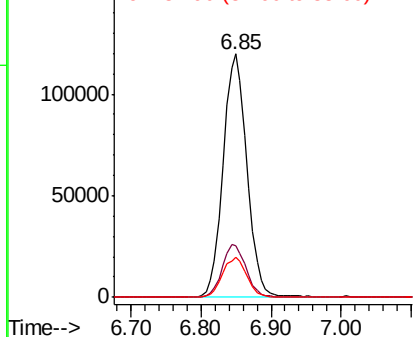
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012524.D
 Acq: 19 Sep 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 980-B-1-(24)

Tot Ion:114 Resp: 283909
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.2
 88 16.4 0.0 33.2

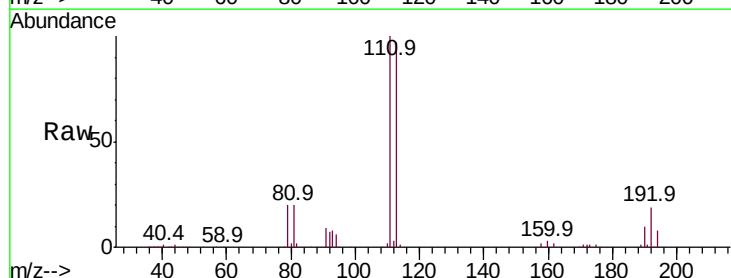


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

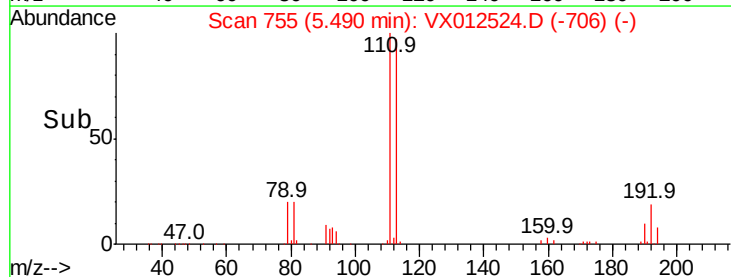
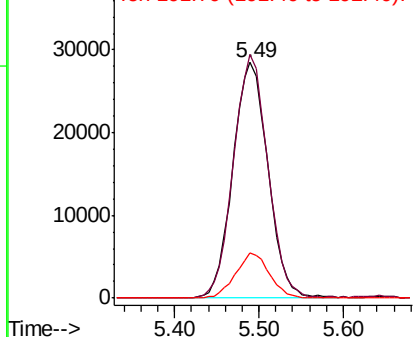


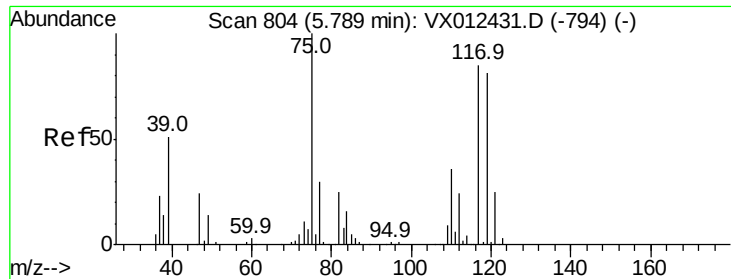
#35
 Dibromofluoromethane
 Concen: 46.822 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012524.D
 Acq: 19 Sep 2019 13:37

Tgt Ion:113 Resp: 80459
 Ion Ratio Lower Upper
 113 100
 111 101.2 83.4 125.2
 192 18.5 14.4 21.6



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





#36

1,1-Dichloropropene

Concen: 8.999 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

980-B-1-(24)

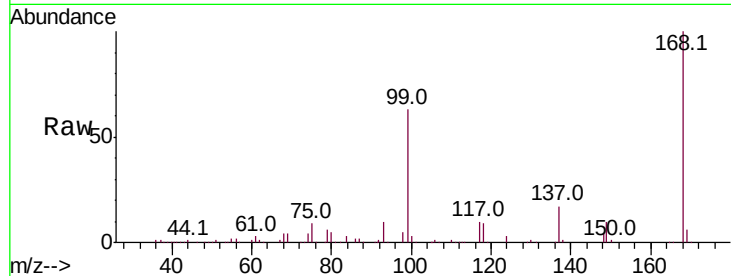
Tot Ion: 75 Resp: 15527

Ion Ratio Lower Upper

75 100

110 9.9 16.7 50.0#

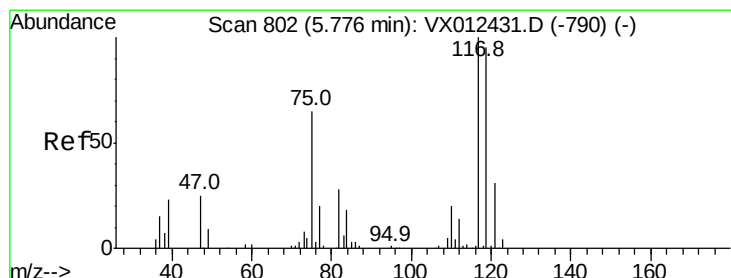
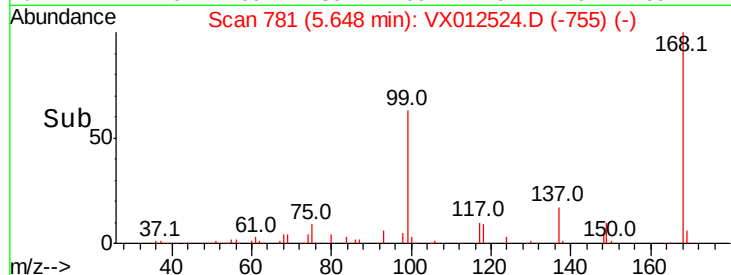
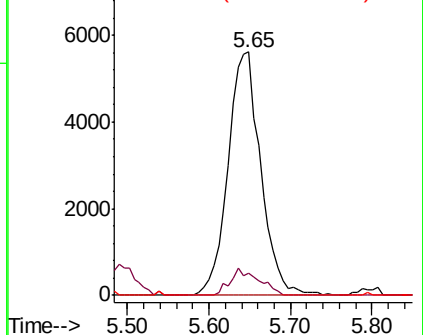
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 9.212 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

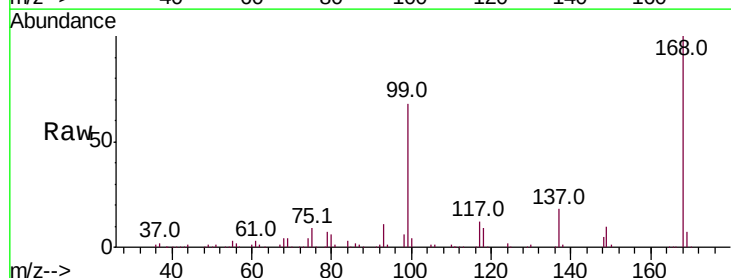
Tgt Ion: 117 Resp: 19769

Ion Ratio Lower Upper

117 100

119 4.2 75.7 113.5#

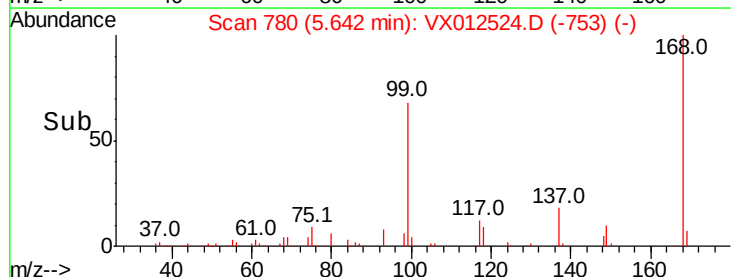
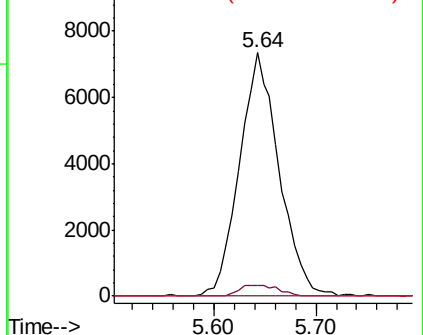
121 0.0 24.2 36.4#

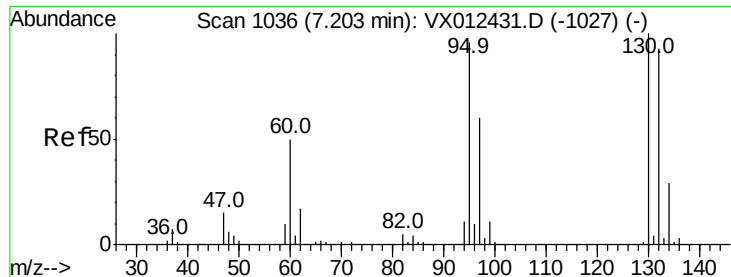


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.200 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

Instrument :

MSVOA_X

ClientSampled :

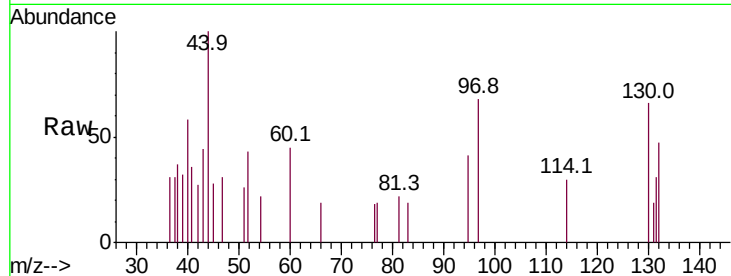
980-B-1-(24)

Tot Ion:130 Resp: 289

Ion Ratio Lower Upper

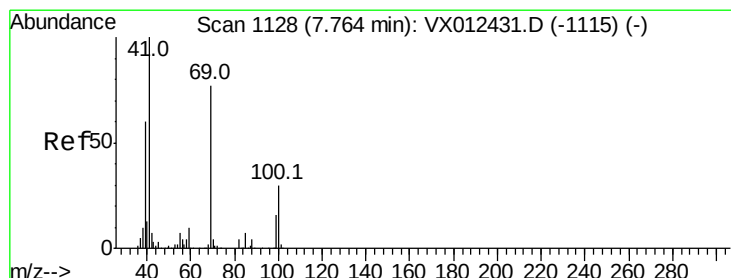
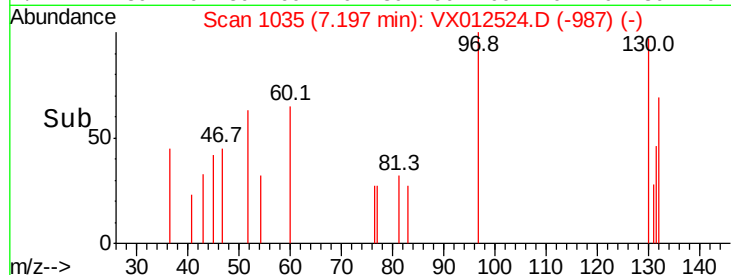
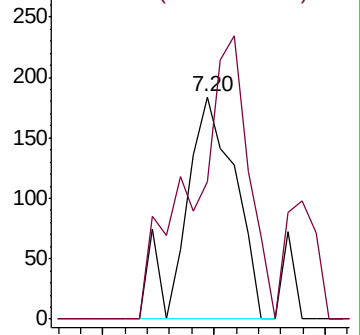
130 100

95 62.0 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#48

Methyl methacrylate

Concen: 0.212 ug/l

RT: 7.77 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

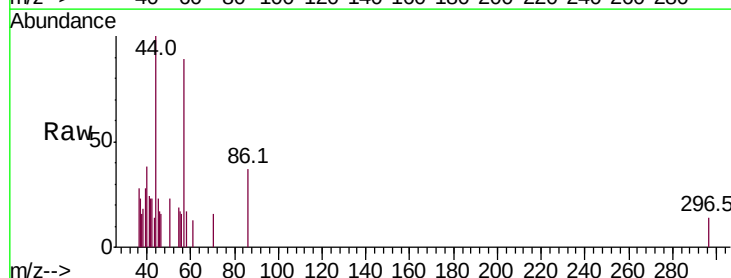
Tgt Ion: 41 Resp: 475

Ion Ratio Lower Upper

41 100

69 0.0 59.9 89.9#

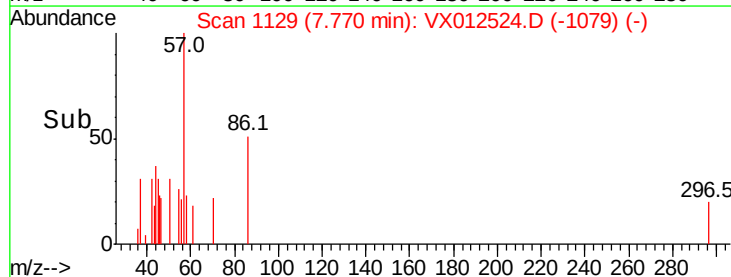
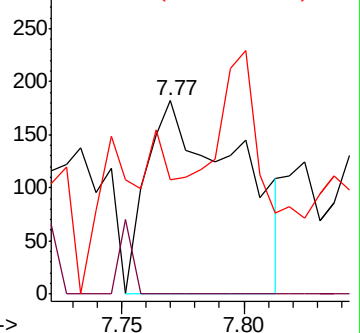
39 0.0 47.8 71.6#

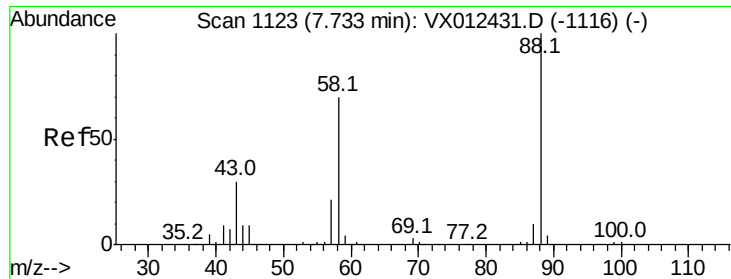


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



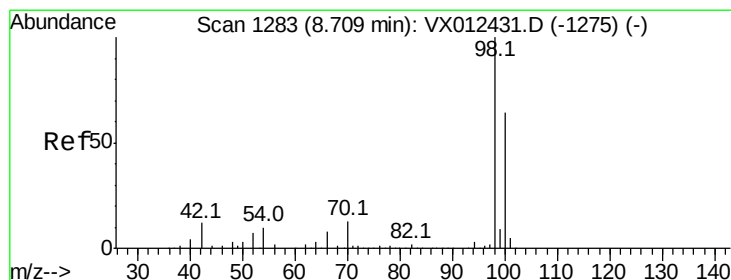
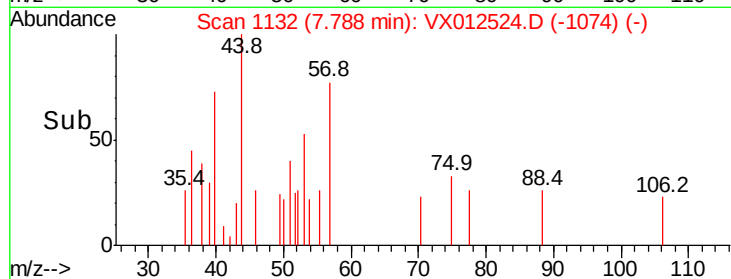
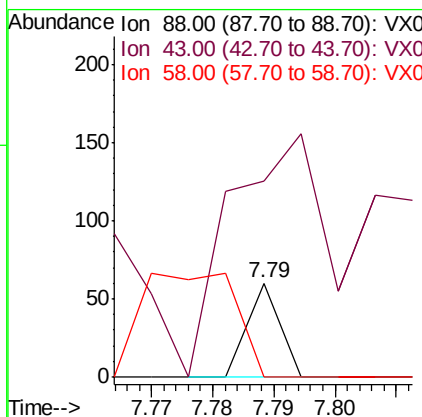
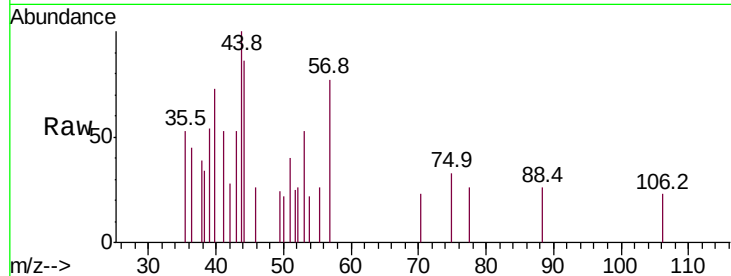


#49
 1,4-Dioxane
 Concen: 0.403 ug/l
 RT: 7.79 min Scan# 1132
 Delta R.T. 0.05 min
 Lab File: VX012524.D
 Acq: 19 Sep 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 980-B-1-(24)

Tot Ion: 88 Resp: 22

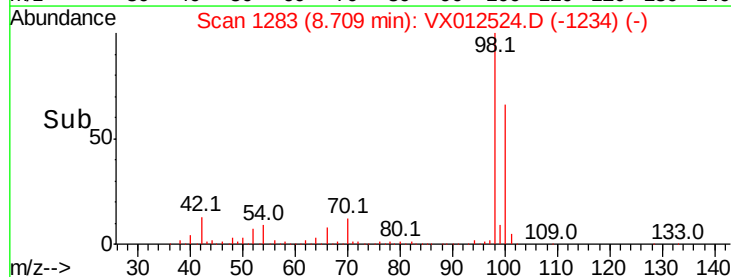
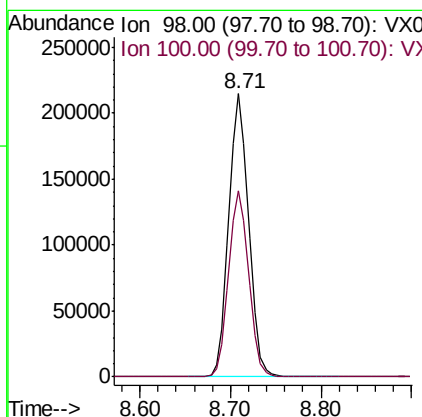
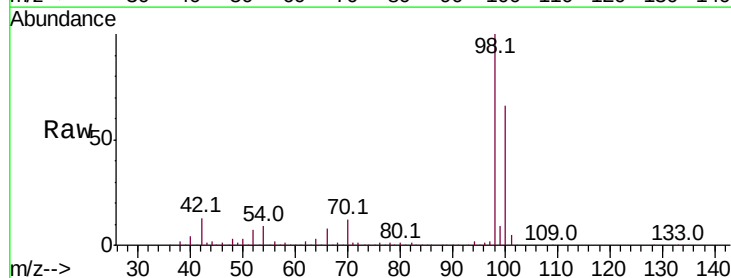
Ion	Ratio	Lower	Upper
88	100		
43	754.5	29.4	44.0#
58	0.0	57.5	86.3#

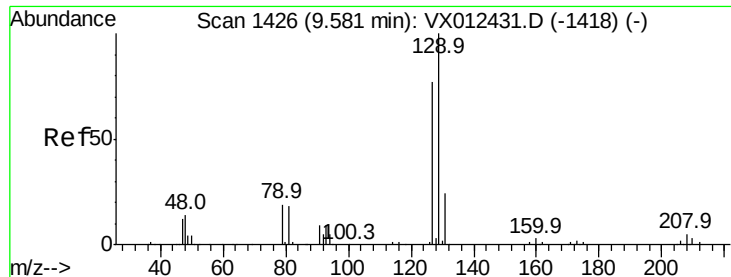


#50
 Toluene-d8
 Concen: 51.621 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012524.D
 Acq: 19 Sep 2019 13:37

Tgt Ion: 98 Resp: 328335

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.4	80.2





#60

Dibromochloromethane

Concen: 2.919 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

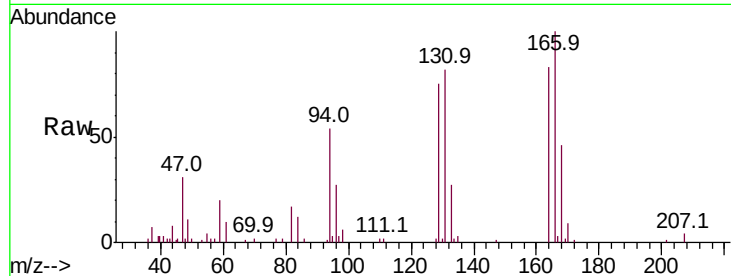
980-B-1-(24)

Tot Ion:129 Resp: 5416

Ion Ratio Lower Upper

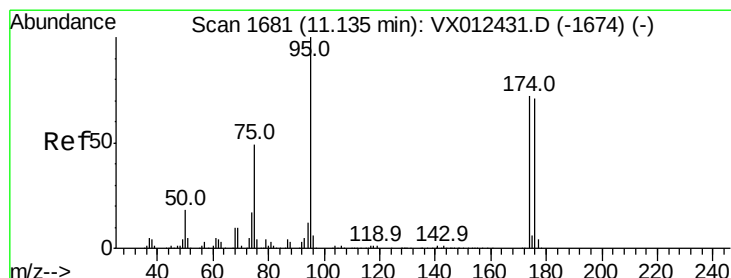
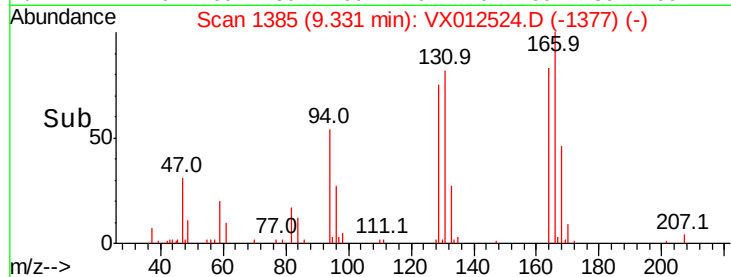
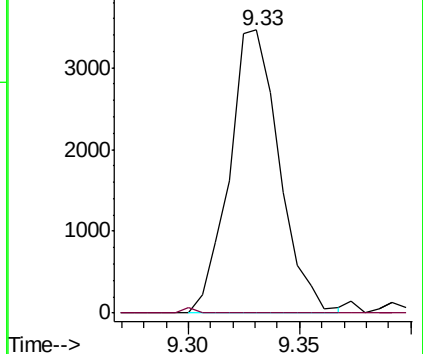
129 100

127 0.0 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.757 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

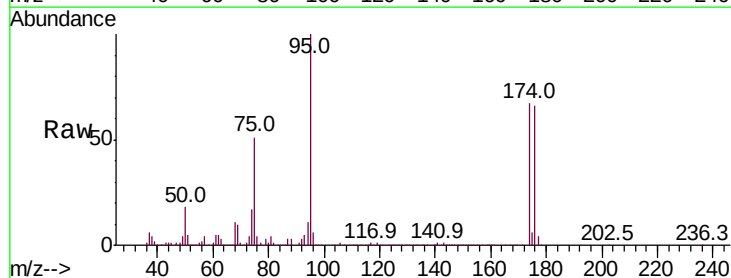
Tgt Ion: 95 Resp: 123481

Ion Ratio Lower Upper

95 100

174 70.4 0.0 140.0

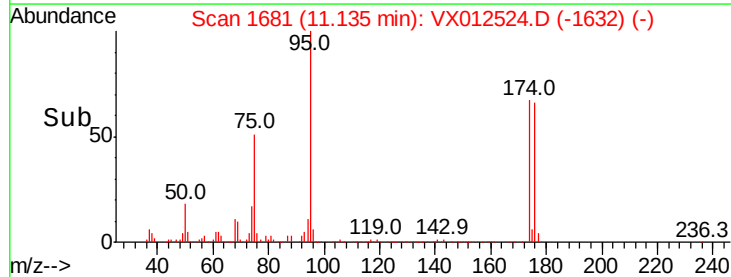
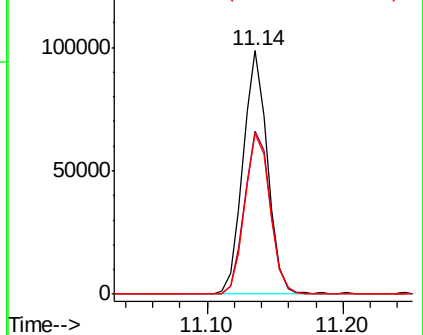
176 68.4 0.0 135.4

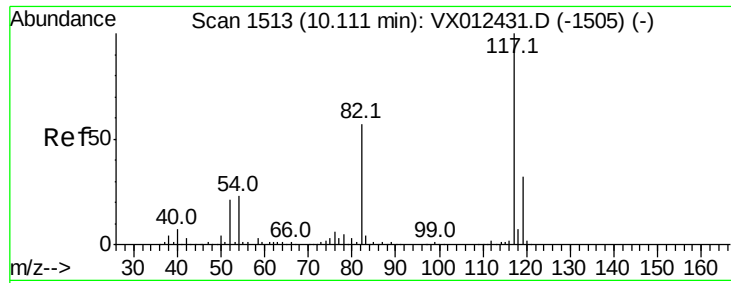


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

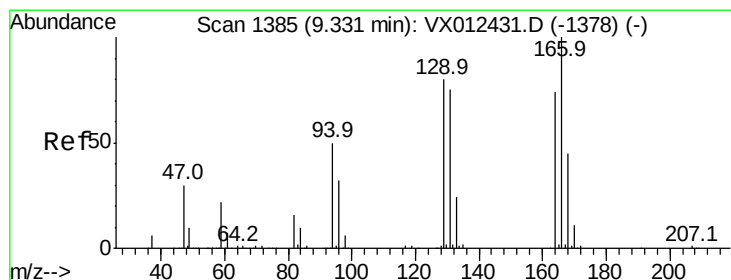
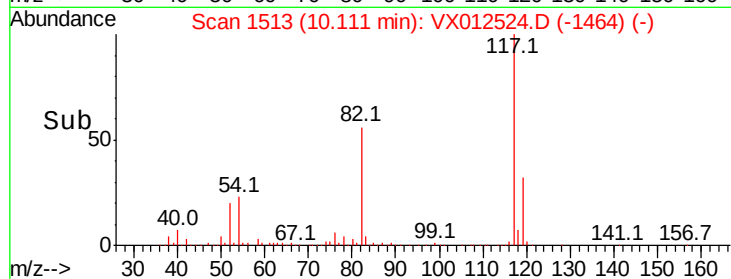
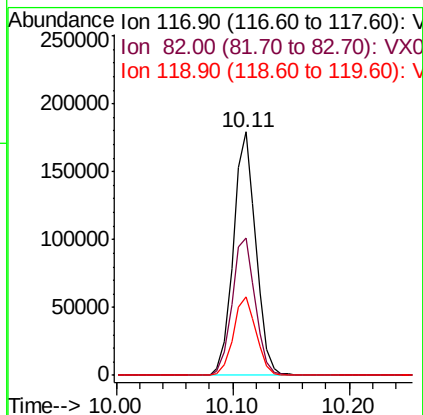
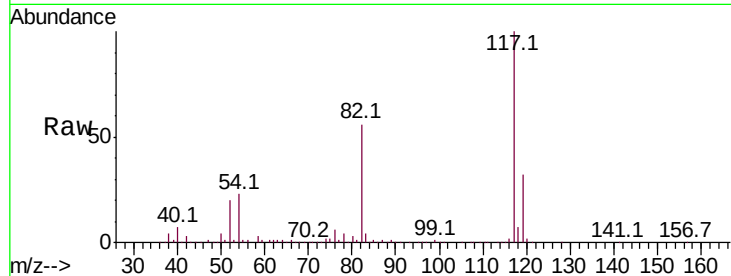




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012524.D
Acq: 19 Sep 2019 13:37

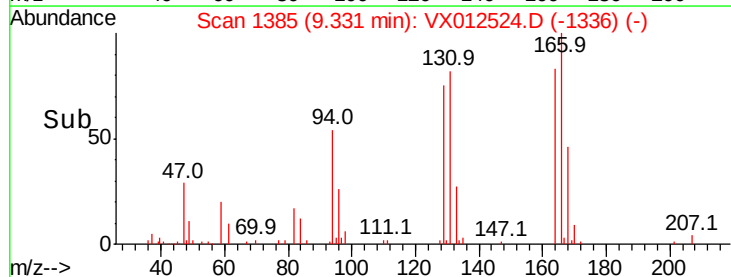
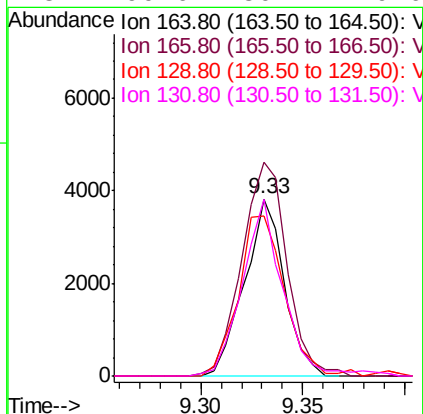
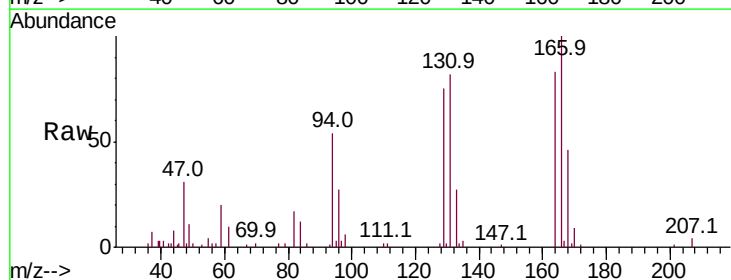
Instrument :
MSVOA_X
ClientSampleId :
980-B-1-(24)

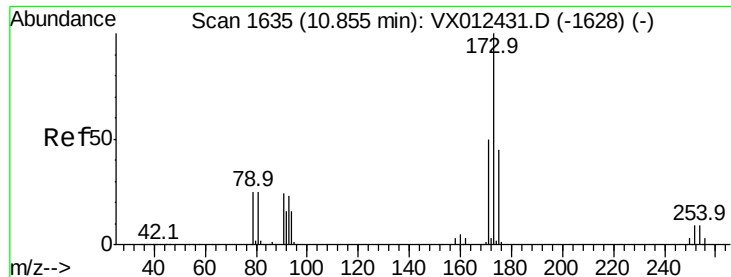
Tot Ion:117 Resp: 240713
Ion Ratio Lower Upper
117 100
82 56.3 45.9 68.9
119 32.4 25.3 37.9



#64
Tetrachloroethene
Concen: 4.691 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012524.D
Acq: 19 Sep 2019 13:37

Tgt Ion:164 Resp: 5174
Ion Ratio Lower Upper
164 100
166 120.9 107.8 161.6
129 90.7 86.2 129.2
131 99.6 80.4 120.6





#71

Bromoform

Concen: 3.113 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

Instrument :

MSVOA_X

ClientSampled :

980-B-1-(24)

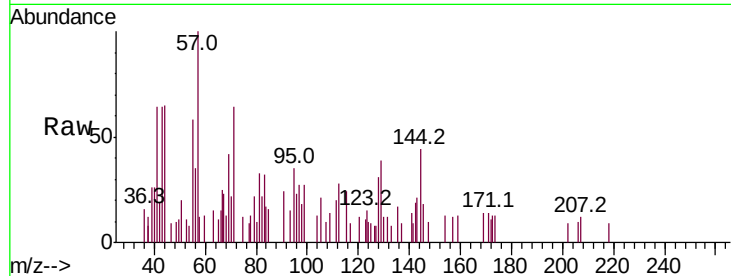
Tot Ion:173 Resp: 367

Ion Ratio Lower Upper

173 100

175 0.0 23.7 71.1#

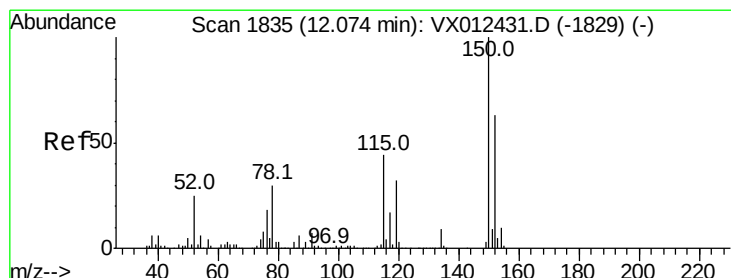
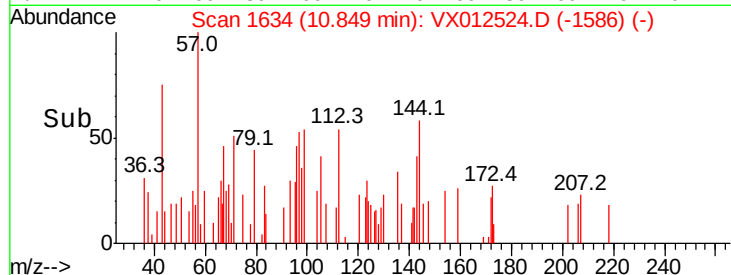
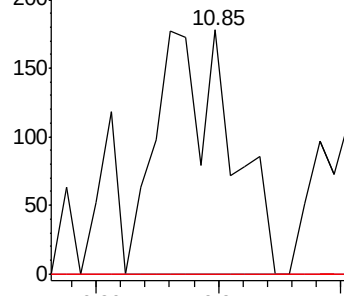
254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

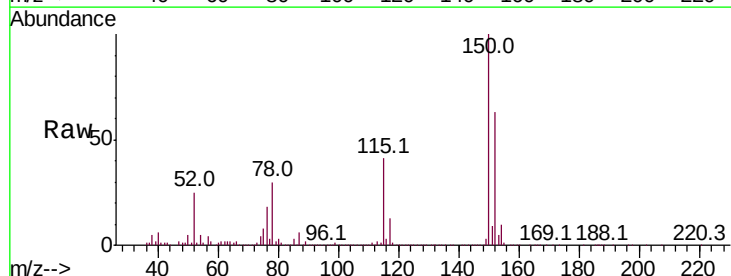
Tgt Ion:152 Resp: 110021

Ion Ratio Lower Upper

152 100

115 62.7 44.1 132.3

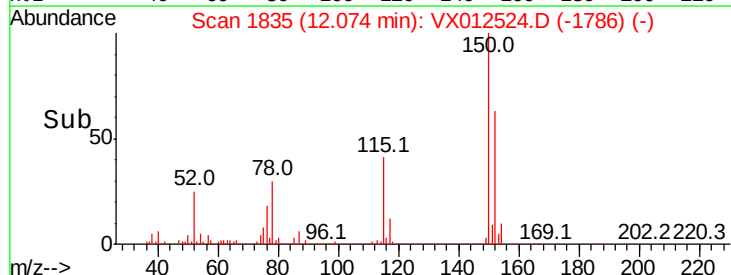
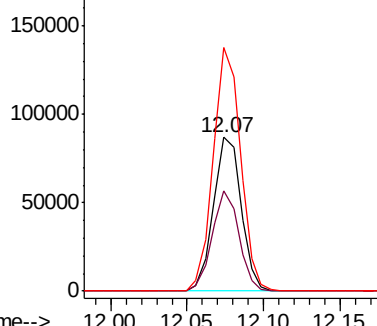
150 156.0 0.0 343.8

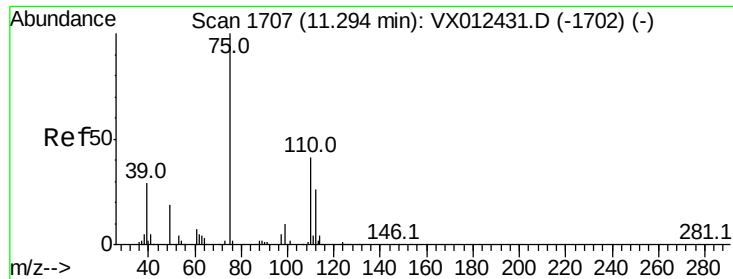


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.945 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

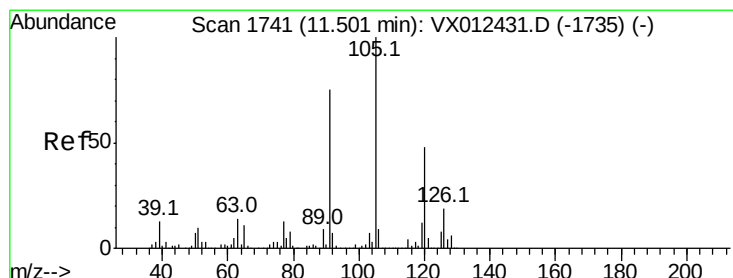
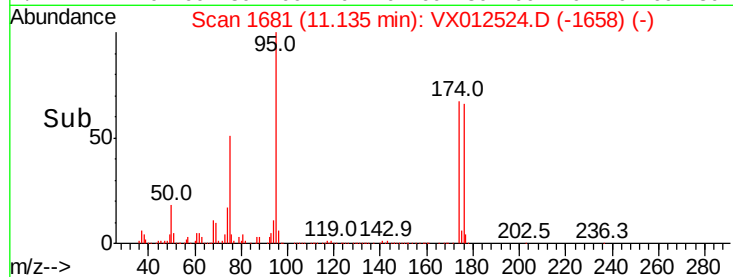
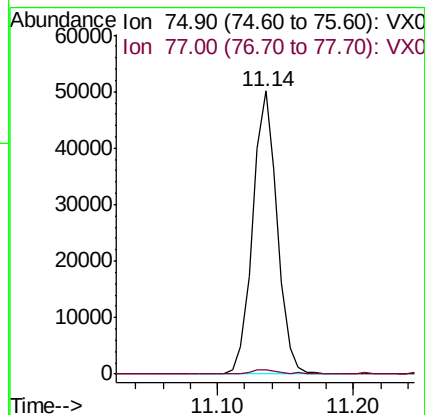
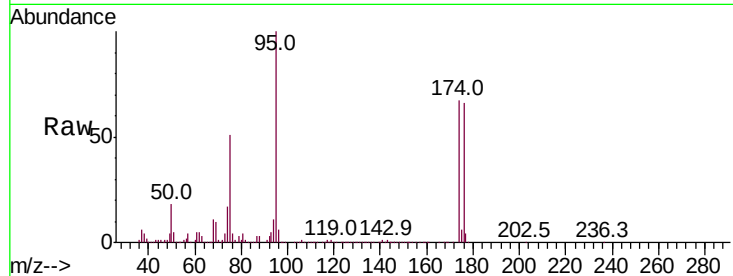
980-B-1-(24)

Tot Ion: 75 Resp: 63043

Ion Ratio Lower Upper

75 100

77 1.6 19.7 59.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.212 ug/l

RT: 11.43 min Scan# 1730

Delta R.T. -0.07 min

Lab File: VX012524.D

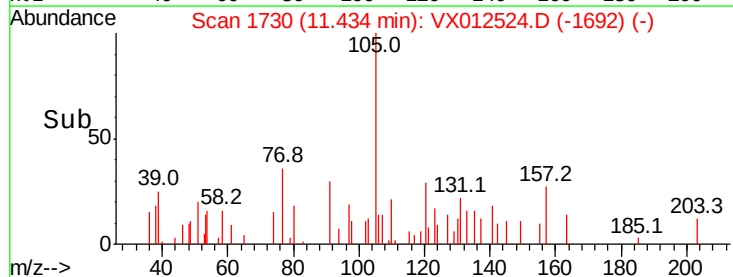
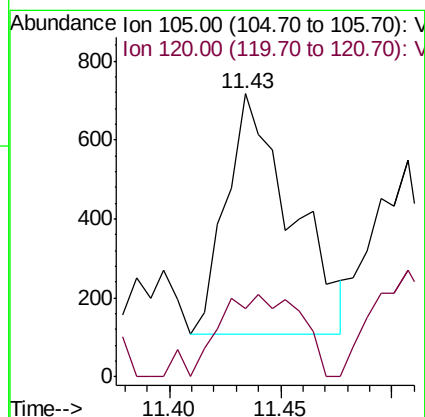
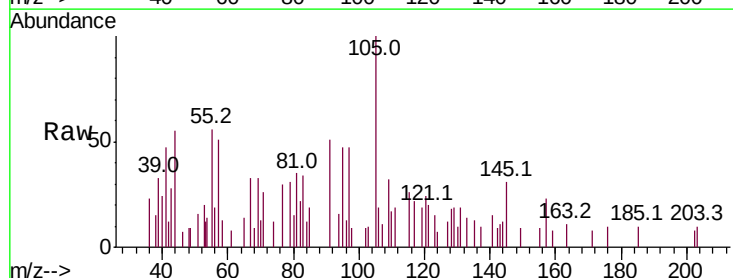
Acq: 19 Sep 2019 13:37

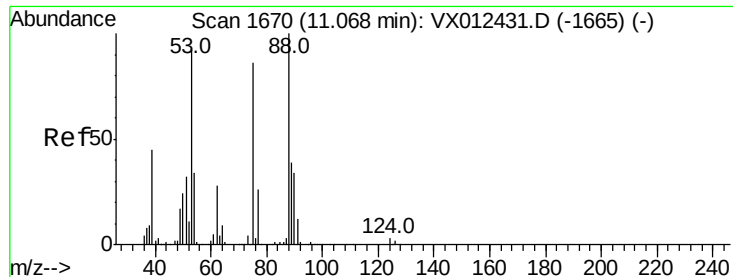
Tgt Ion: 105 Resp: 1248

Ion Ratio Lower Upper

105 100

120 43.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 67.339 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012524.D

Acq: 19 Sep 2019 13:37

Instrument :

MSVOA_X

ClientSampleId :

980-B-1-(24)

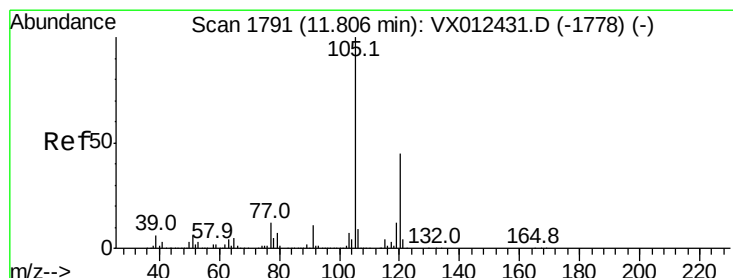
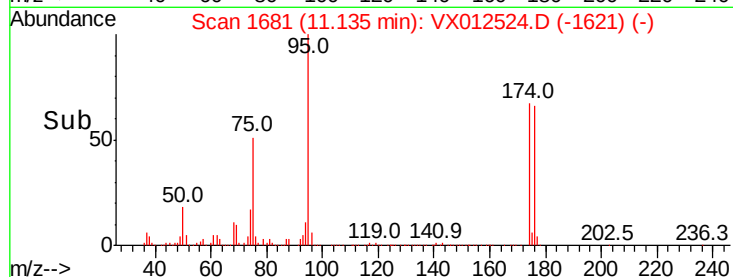
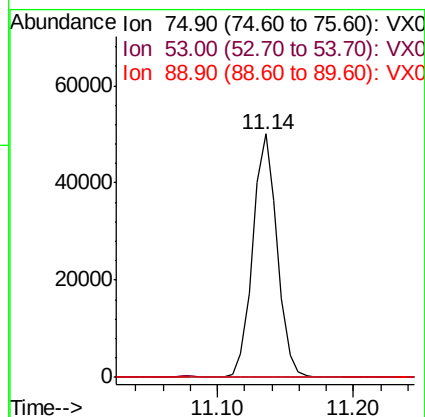
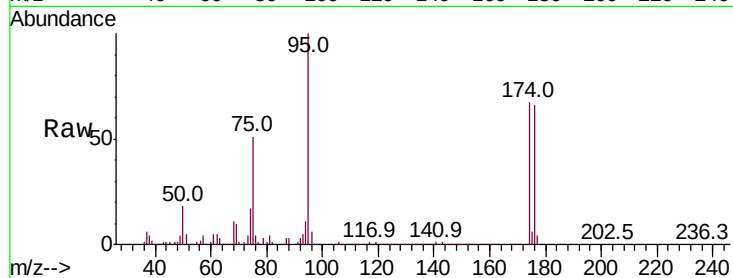
Tot Ion: 75 Resp: 63043

Ion Ratio Lower Upper

75 100

53 0.1 83.6 125.4#

89 0.0 36.3 54.5#



#84

1,2,4-Trimethylbenzene

Concen: 0.287 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX012524.D

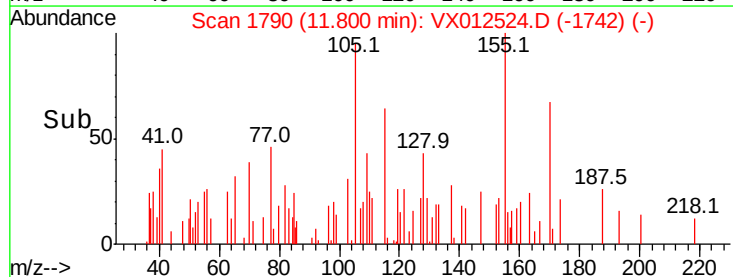
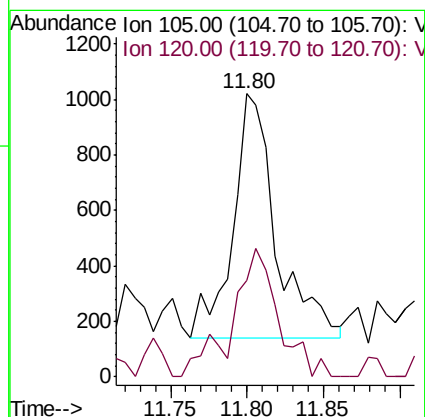
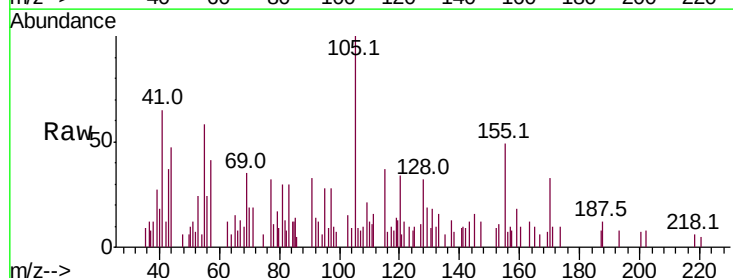
Acq: 19 Sep 2019 13:37

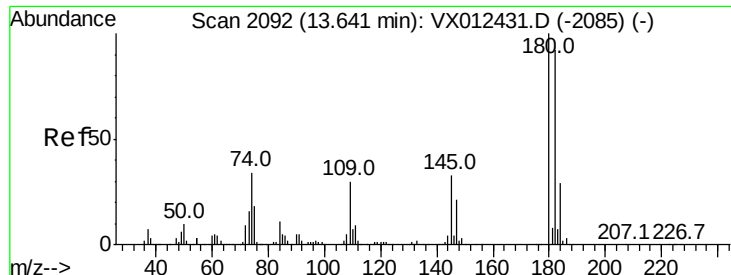
Tgt Ion: 105 Resp: 1734

Ion Ratio Lower Upper

105 100

120 56.1 22.2 66.6





#93
 1,2,4-Trichlorobenzene
 Concen: 0.219 ug/l
 RT: 13.65 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: VX012524.D
 Acq: 19 Sep 2019 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 980-B-1-(24)

Tot Ion	Ratio	Lower	Upper
180	100		
182	56.3	47.0	141.0
145	24.4	16.8	50.4

