

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012970.D
 Acq On : 10 Oct 2019 03:00
 Operator : JC/SP
 Sample : K5260-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0016

Quant Time: Oct 10 06:50:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	175363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	297037	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100884	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	115203	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
35) Dibromofluoromethane	5.48	113	88489	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
50) Toluene-d8	8.71	98	345059	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	11.13	95	116290	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	

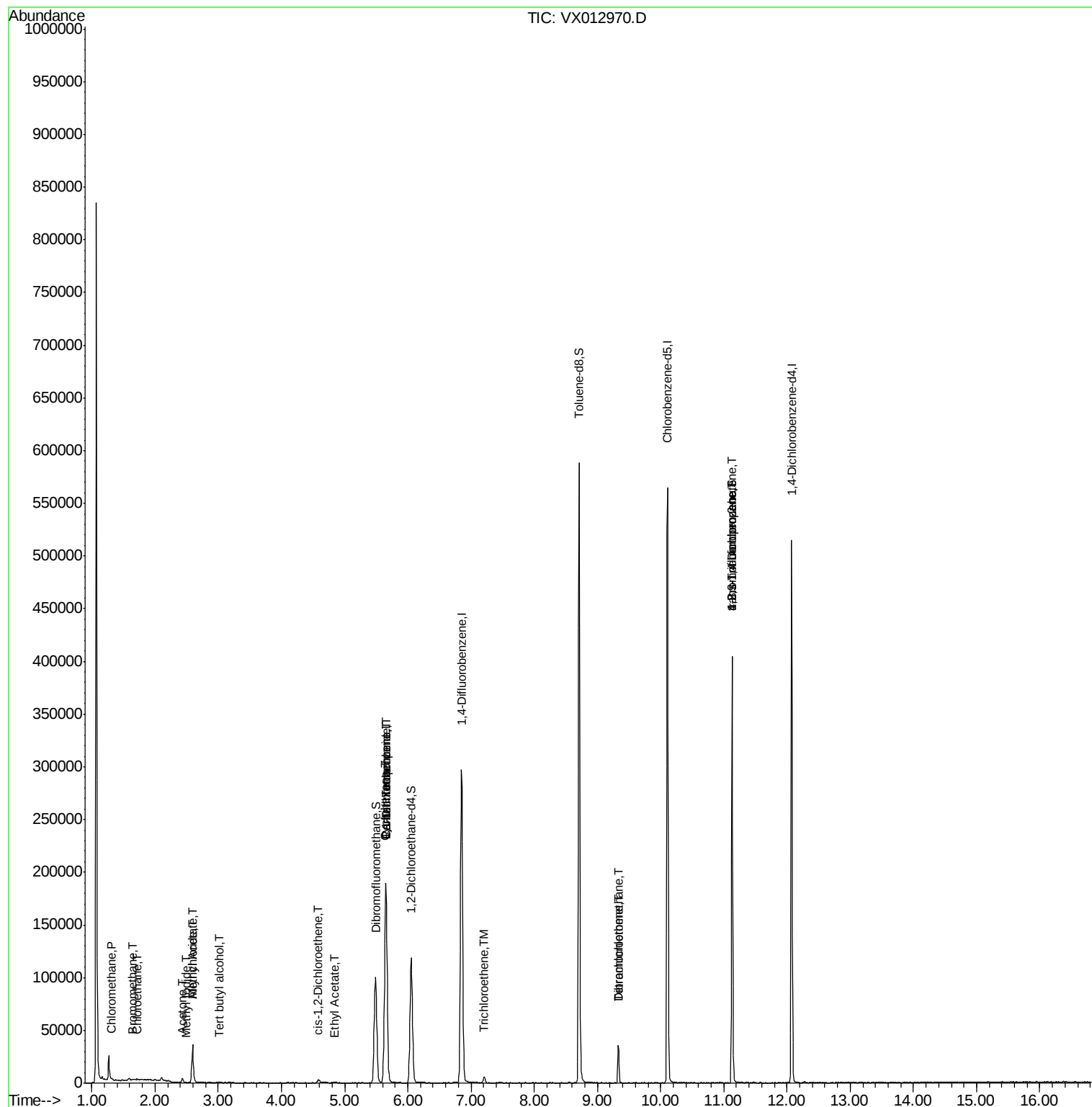
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	565	0.290	ug/l	91
5) Bromomethane	1.65	94	280	0.335	ug/l	98
6) Chloroethane	1.72	64	424	0.711	ug/l #	78
10) Methyl Iodide	2.50	142	19	5.090	ug/l #	40
11) Tert butyl alcohol	3.02	59	914	1.573	ug/l #	72
14) Allyl chloride	2.59	41	3588	1.137	ug/l #	64
16) Acetone	2.43	43	4549	3.937	ug/l	98
18) Methyl Acetate	2.59	43	10228	3.735	ug/l #	51
27) cis-1,2-Dichloroethene	4.58	96	1910	0.872	ug/l	80
31) Cyclohexane	5.64	56	3832	1.205	ug/l #	27
36) 1,1-Dichloropropene	5.65	75	14296	5.474	ug/l #	51
37) Ethyl Acetate	4.84	43	1185	0.406	ug/l #	74
38) Carbon Tetrachloride	5.65	117	18335	7.213	ug/l #	17
44) Trichloroethene	7.22	130	2361	1.104	ug/l	91
60) Dibromochloromethane	9.33	129	6685	4.819	ug/l #	10
64) Tetrachloroethene	9.33	164	6631	3.798	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	59175	26.446	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	59175	66.534	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012970.D

Acq: 10 Oct 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

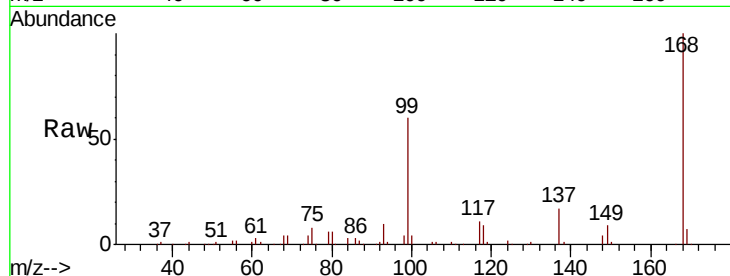
FA19-MMW0016

Tot Ion:168 Resp: 175363

Ion Ratio Lower Upper

168 100

99 60.0 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

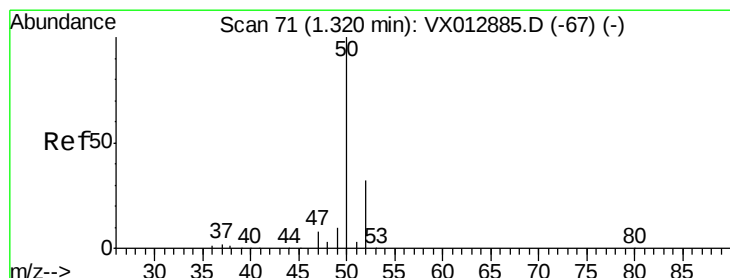
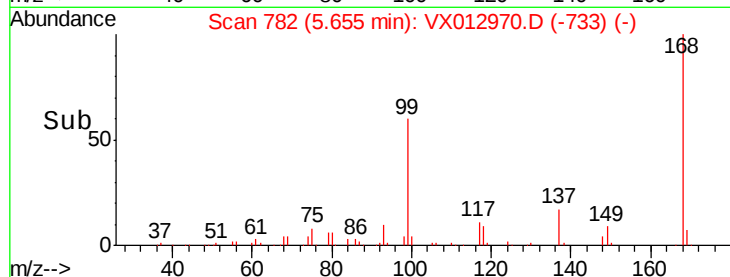
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.290 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012970.D

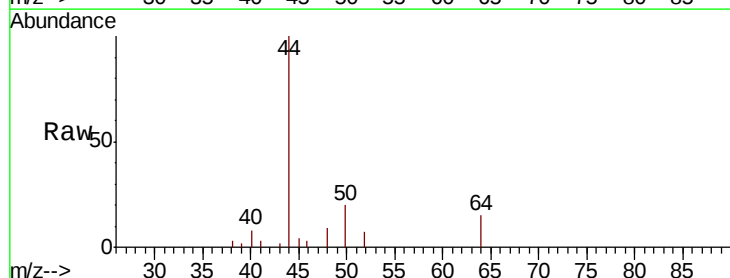
Acq: 10 Oct 2019 03:00

Tgt Ion: 50 Resp: 565

Ion Ratio Lower Upper

50 100

52 36.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

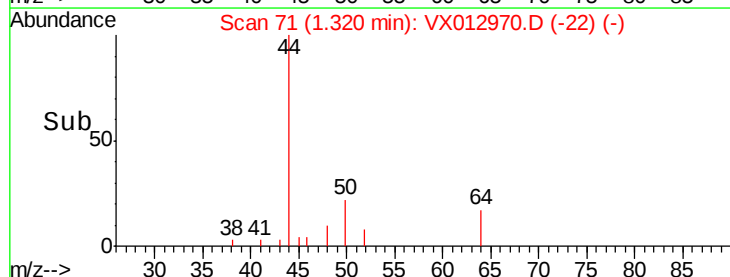
300

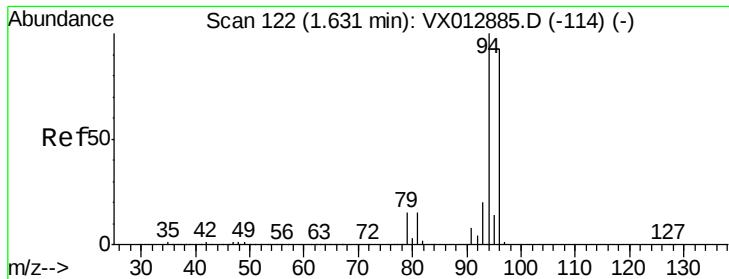
200

100

0

Time--> 1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.335 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012970.D

Acq: 10 Oct 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

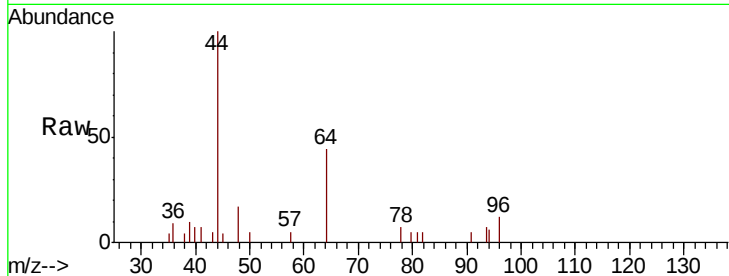
FA19-MMW0016

Tot Ion: 94 Resp: 280

Ion Ratio Lower Upper

94 100

96 95.7 74.7 112.1



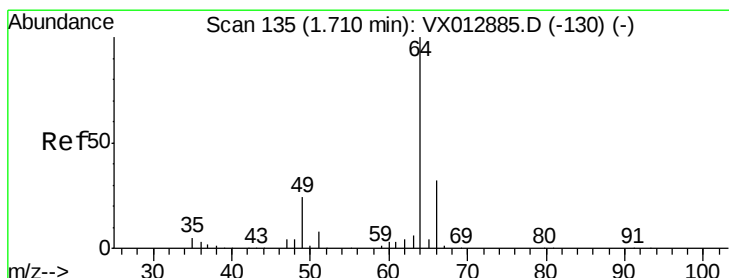
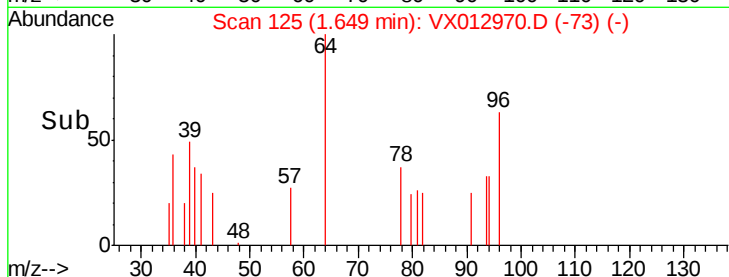
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 0.711 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012970.D

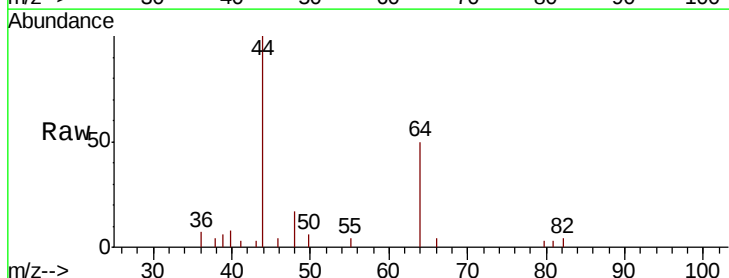
Acq: 10 Oct 2019 03:00

Tgt Ion: 64 Resp: 424

Ion Ratio Lower Upper

64 100

66 19.5 25.6 38.4#



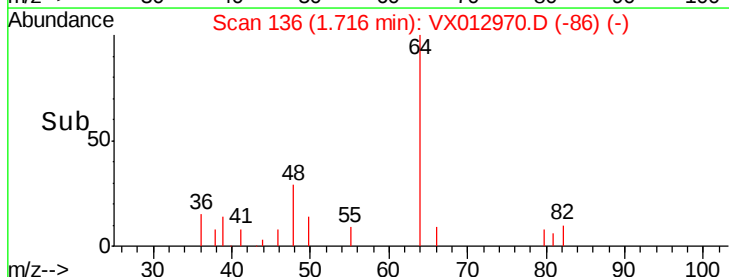
Abundance Ion 63.90 (63.60 to 64.60): VX0

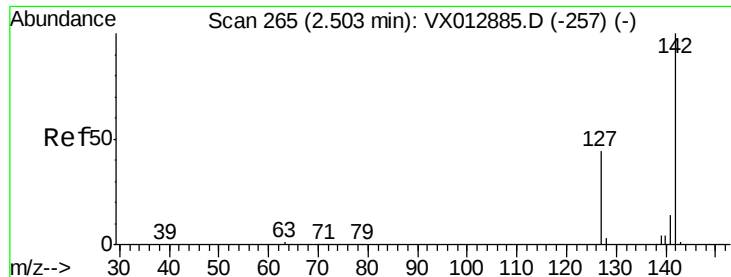
Ion 65.90 (65.60 to 66.60): VX0

1.72

1.70 1.72 1.74 1.76

Time-->

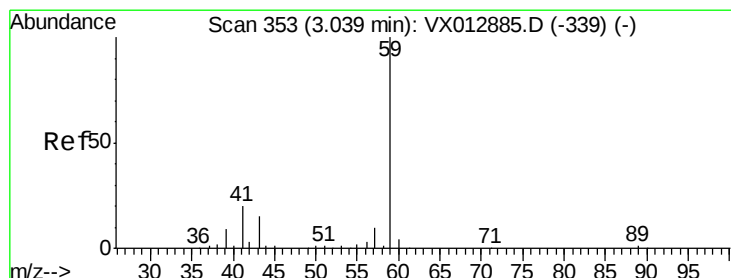
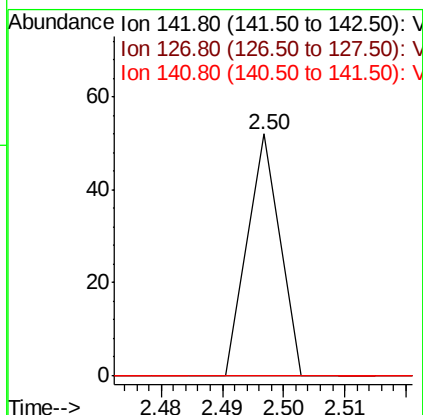
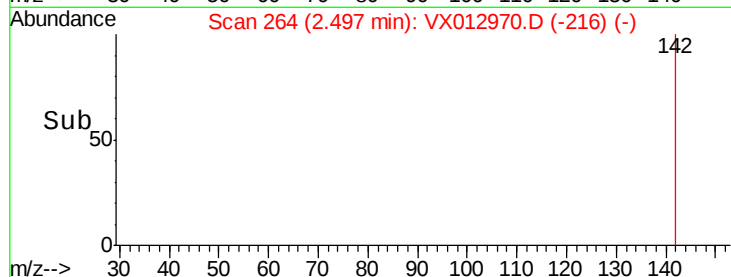
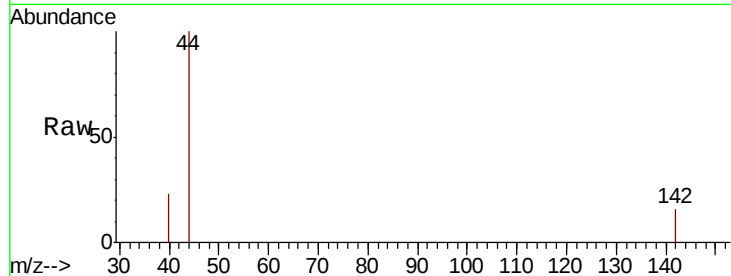




#10
Methyl Iodide
Concen: 5.090 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX012970.D
Acq: 10 Oct 2019 03:00

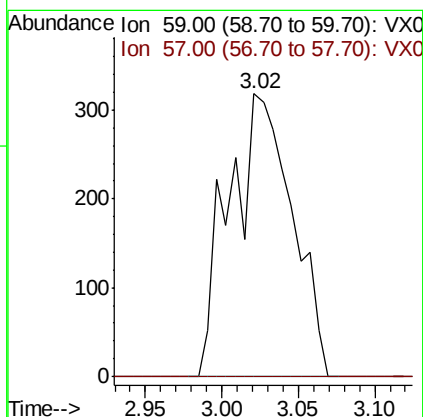
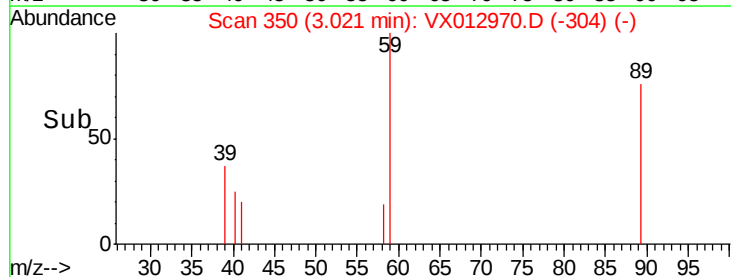
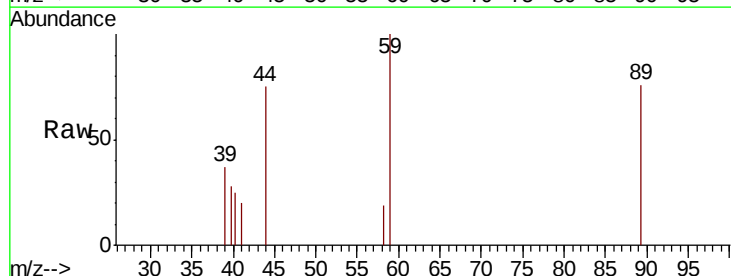
Instrument :
MSVOA_X
ClientSampled :
FA19-MMW0016

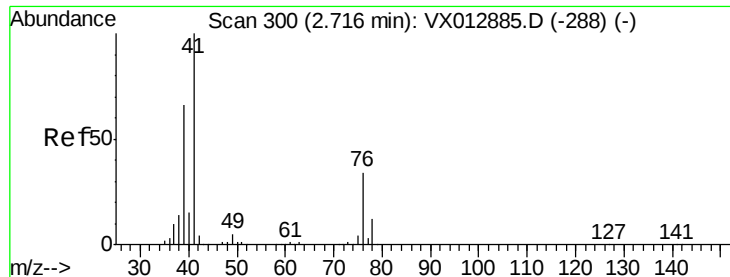
Tot Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.573 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012970.D
Acq: 10 Oct 2019 03:00

Tgt Ion: 59 Resp: 914
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allvl chloride

Concen: 1.137 ug/l

RT: 2.59 min Scan# 279

Delta R.T. -0.13 min

Lab File: VX012970.D

Acq: 10 Oct 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0016

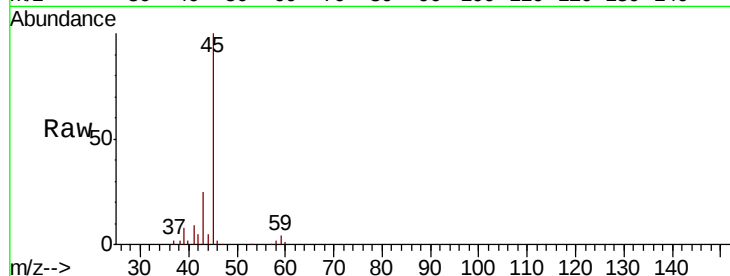
Tot Ion: 41 Resp: 3588

Ion Ratio Lower Upper

41 100

39 82.8 51.0 76.6#

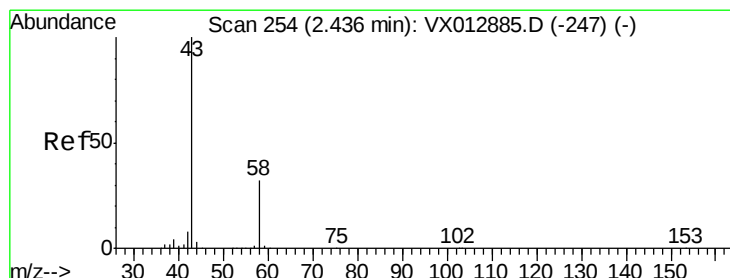
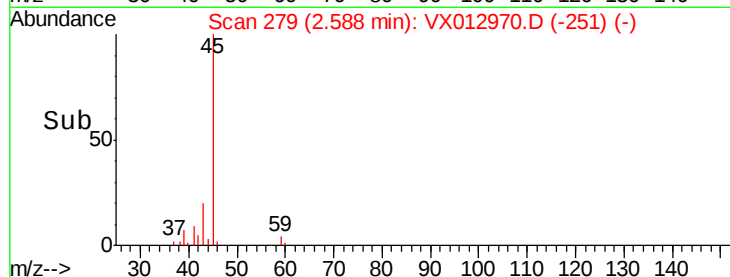
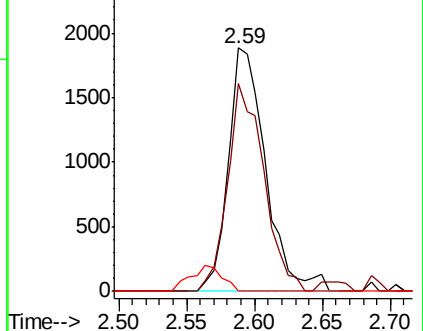
76 0.0 26.2 39.4#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 3.937 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012970.D

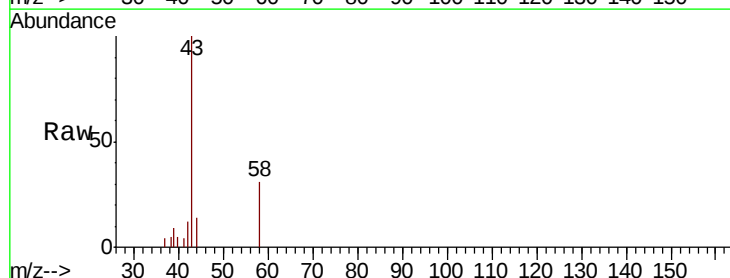
Acq: 10 Oct 2019 03:00

Tgt Ion: 43 Resp: 4549

Ion Ratio Lower Upper

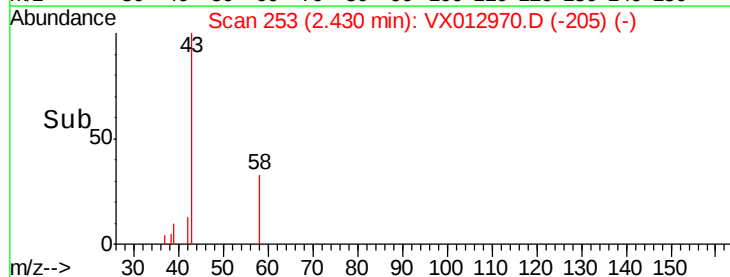
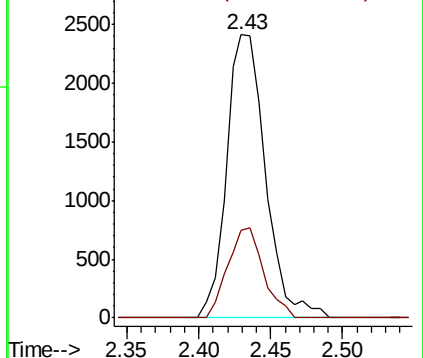
43 100

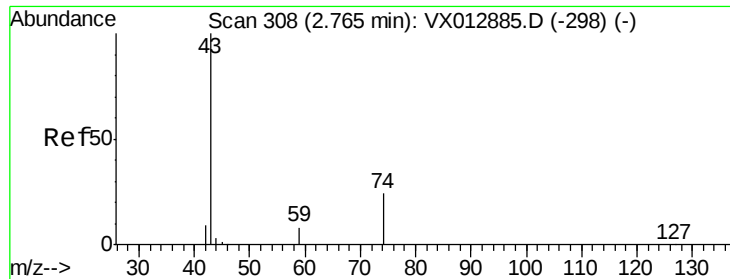
58 30.8 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

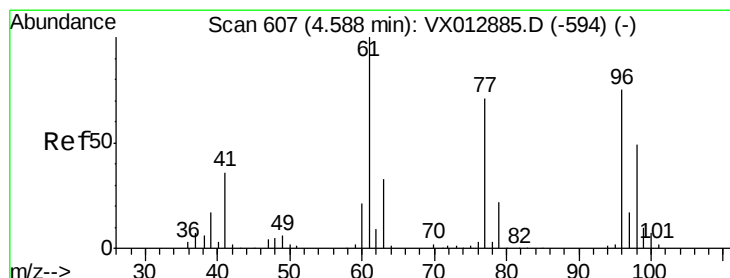
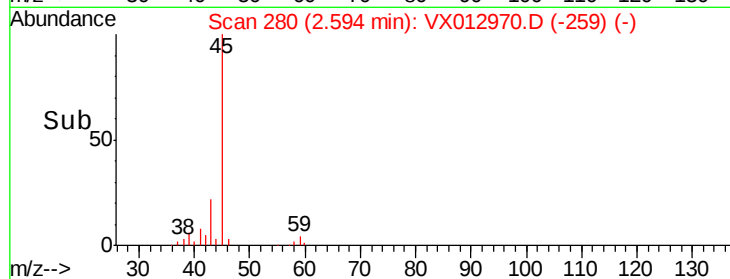
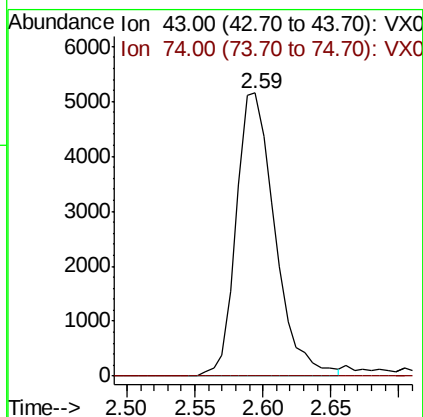
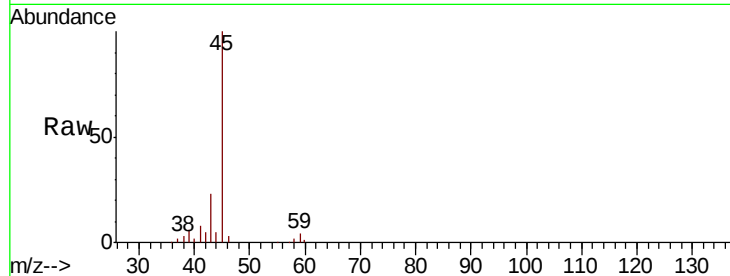




#18
Methvl Acetate
Concen: 3.735 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012970.D
Acq: 10 Oct 2019 03:00

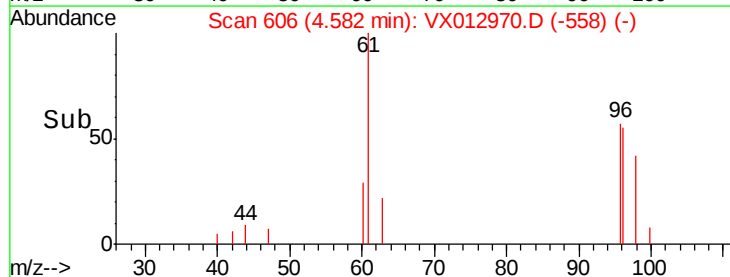
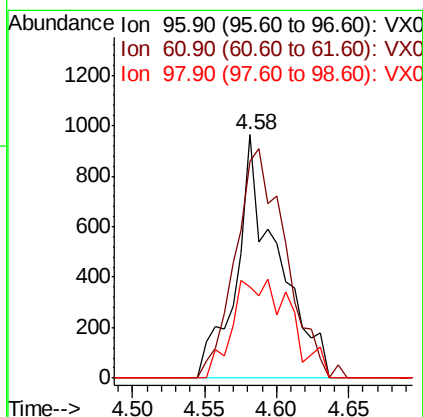
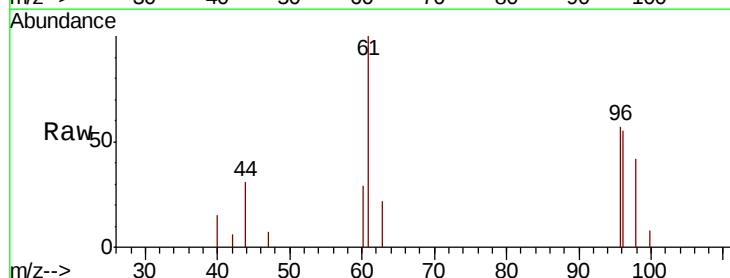
Instrument :
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ClientSampleId :
FA19-MMW0016

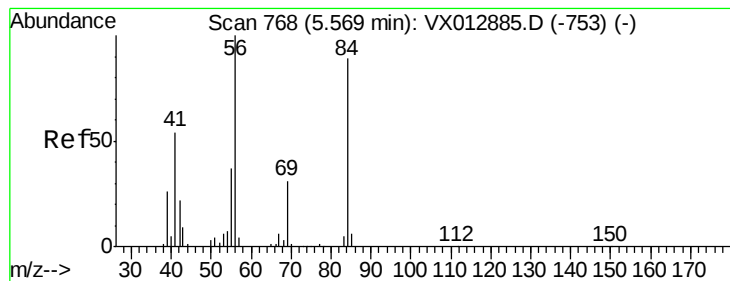
Tot Ion: 43 Resp: 10228
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#27
cis-1,2-Dichloroethene
Concen: 0.872 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012970.D
Acq: 10 Oct 2019 03:00

Tgt Ion: 96 Resp: 1910
Ion Ratio Lower Upper
96 100
61 115.1 0.0 290.6
98 57.4 0.0 128.8





#31

Cyclohexane

Concen: 1.205 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.07 min

Lab File: VX012970.D

Acq: 10 Oct 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0016

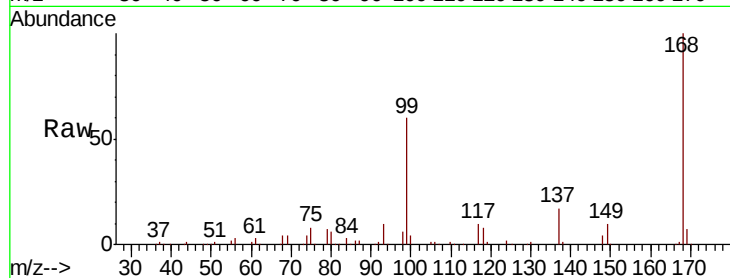
Tot Ion: 56 Resp: 3832

Ion Ratio Lower Upper

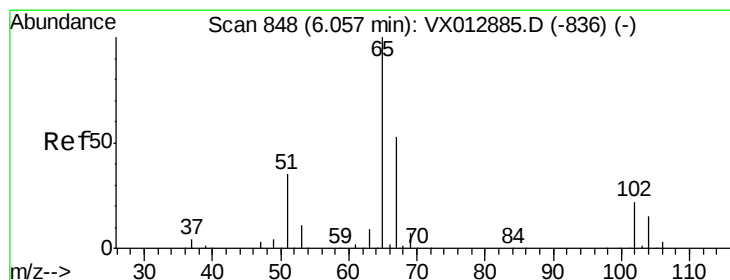
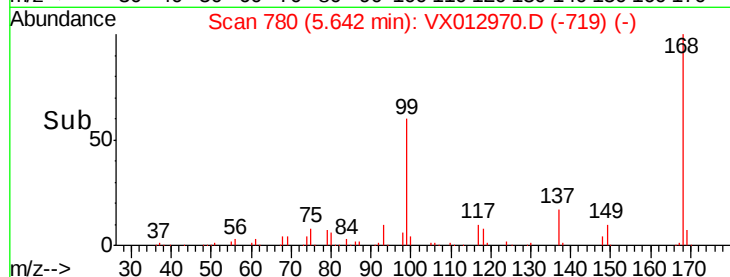
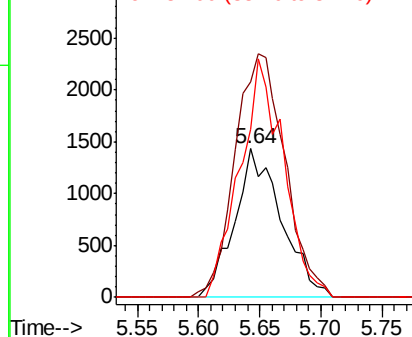
56 100

69 145.4 25.2 37.8#

84 113.0 71.3 106.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.561 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX012970.D

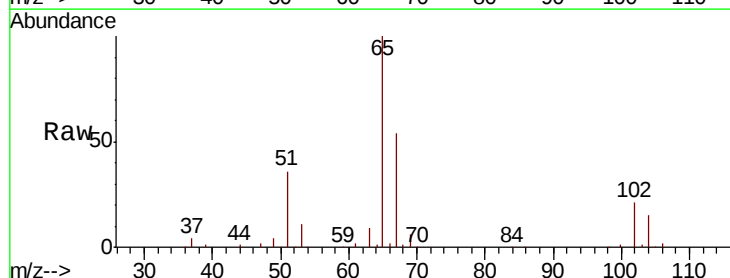
Acq: 10 Oct 2019 03:00

Tgt Ion: 65 Resp: 115203

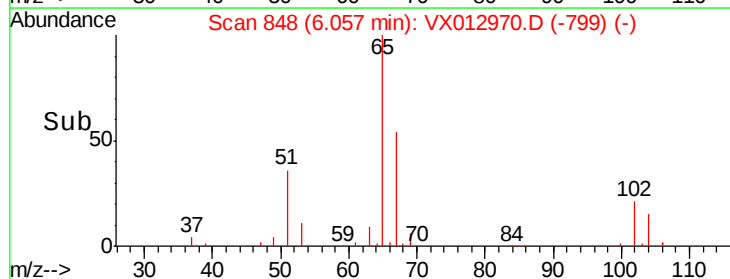
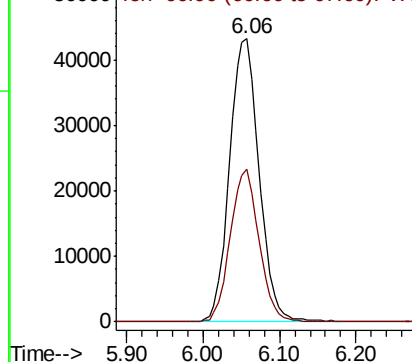
Ion Ratio Lower Upper

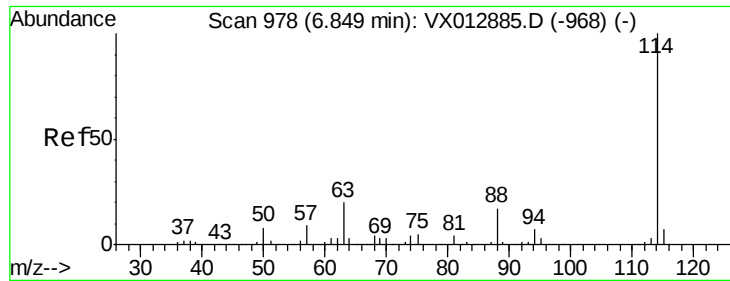
65 100

67 52.4 0.0 104.4



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

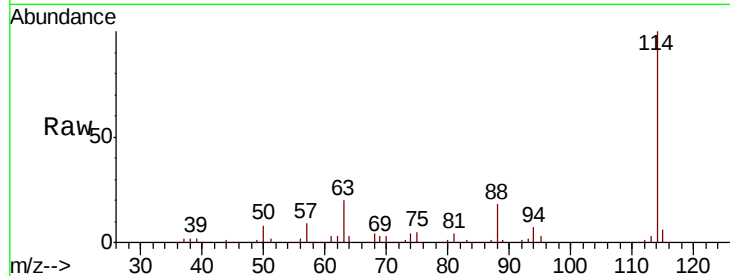




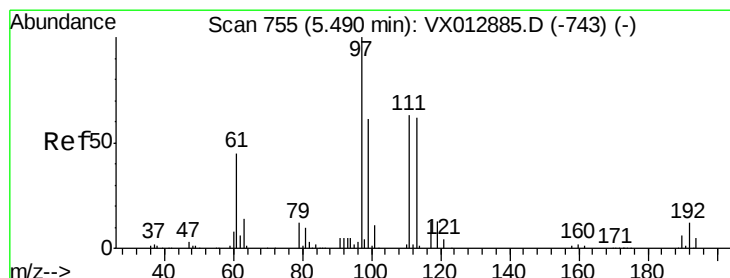
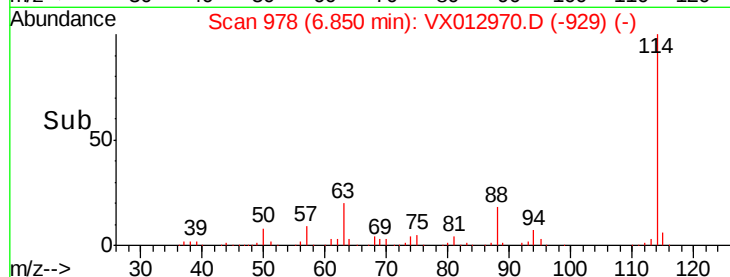
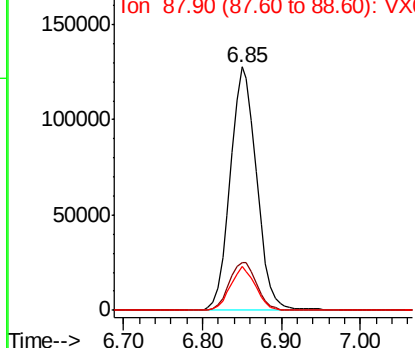
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012970.D
 Acq: 10 Oct 2019 03:00

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0016

Tot Ion:114 Resp: 297037
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.8
 88 17.8 0.0 33.8

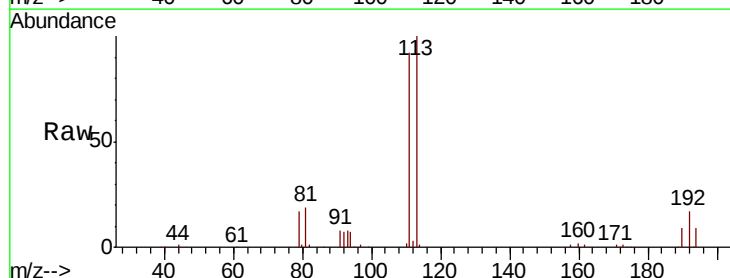


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

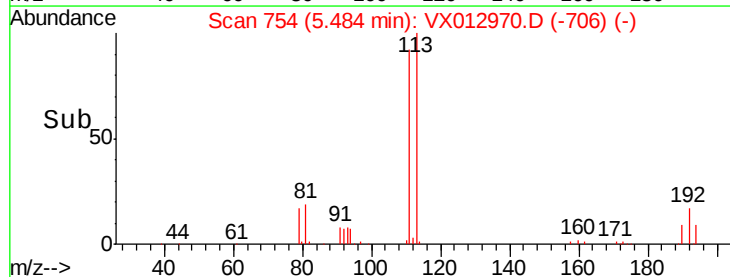
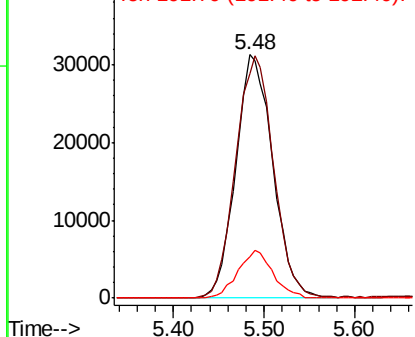


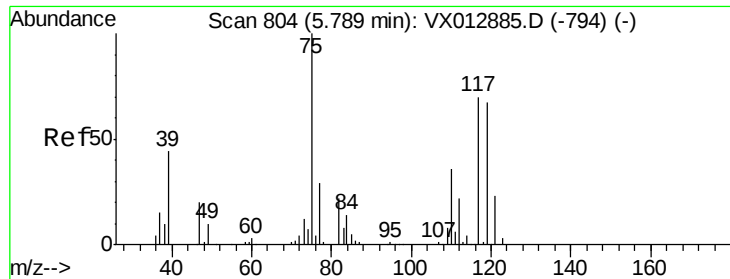
#35
 Dibromofluoromethane
 Concen: 51.905 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012970.D
 Acq: 10 Oct 2019 03:00

Tgt Ion:113 Resp: 88489
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.2 124.8
 192 18.9 15.4 23.2



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

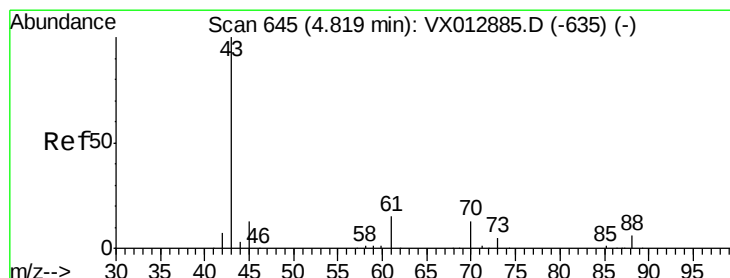
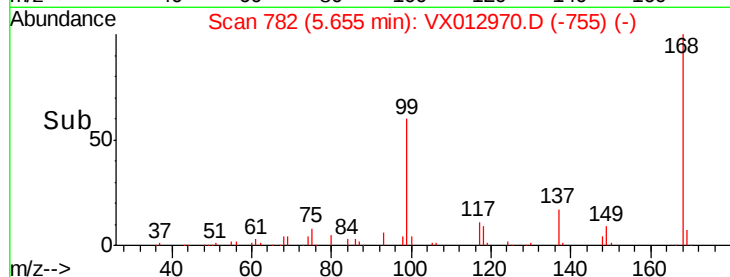
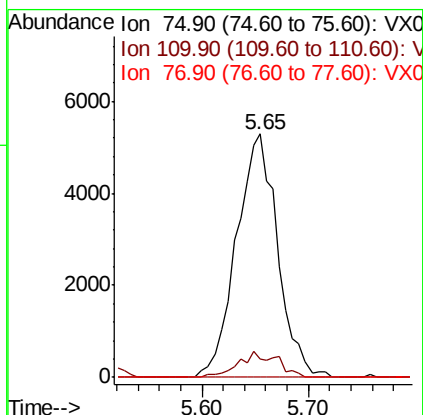
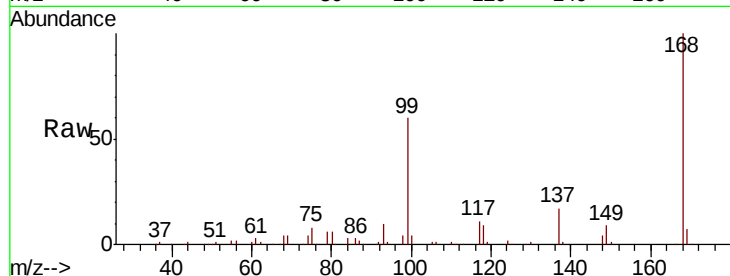




#36
 1,1-Dichloropropene
 Concen: 5.474 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012970.D
 Acq: 10 Oct 2019 03:00

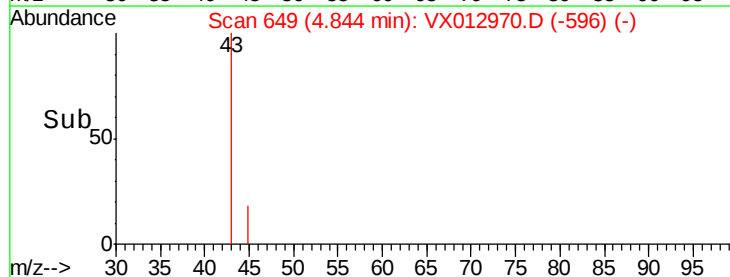
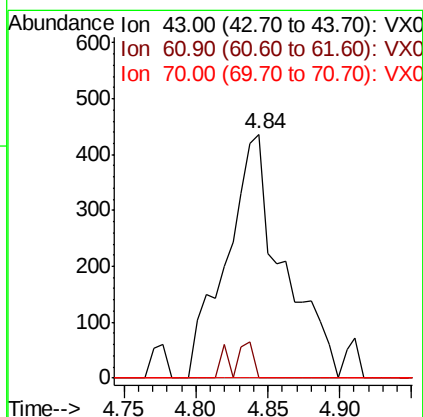
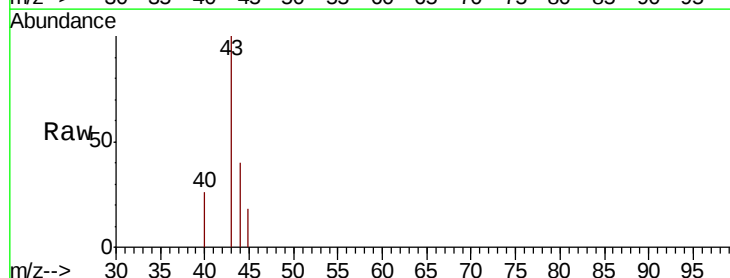
Instrument :
 MSVOA_X
 ClientSampled :
 FA19-MMW0016

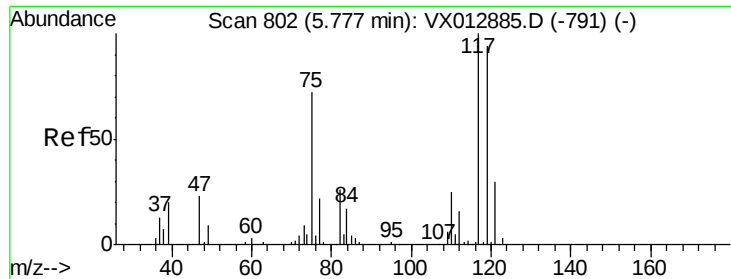
Tot Ion: 75 Resp: 14296
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.6 52.9#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 0.406 ug/l
 RT: 4.84 min Scan# 649
 Delta R.T. 0.02 min
 Lab File: VX012970.D
 Acq: 10 Oct 2019 03:00

Tgt Ion: 43 Resp: 1185
 Ion Ratio Lower Upper
 43 100
 61 5.6 11.4 17.0#
 70 0.0 9.8 14.6#





#38

Carbon Tetrachloride

Concen: 7.213 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012970.D

Acq: 10 Oct 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0016

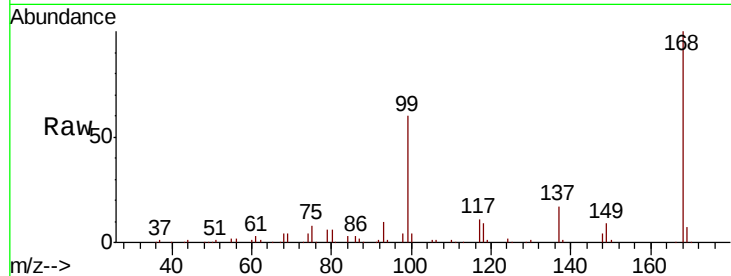
Tot Ion:117 Resp: 18335

Ion Ratio Lower Upper

117 100

119 4.8 74.5 111.7#

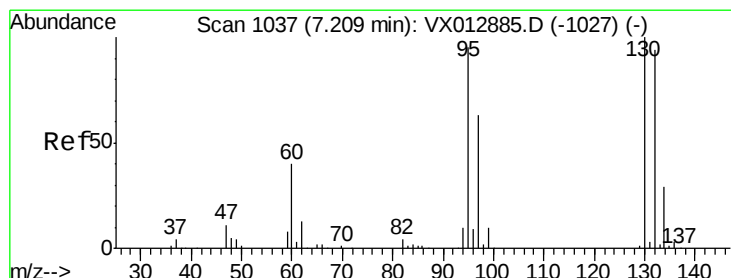
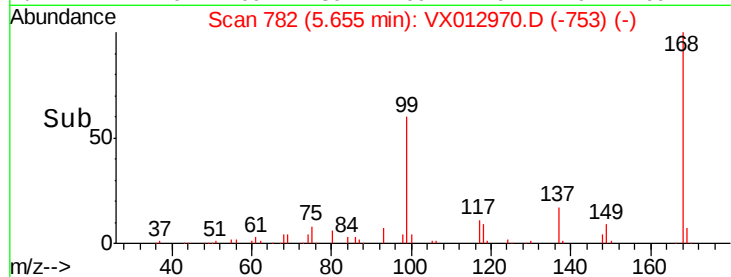
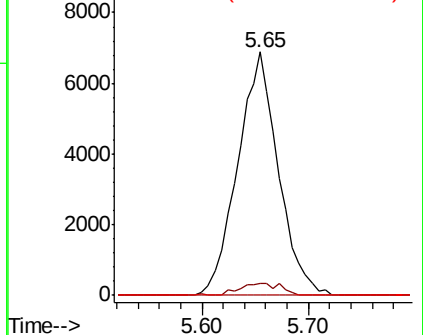
121 0.0 24.2 36.4#



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: 1.104 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX012970.D

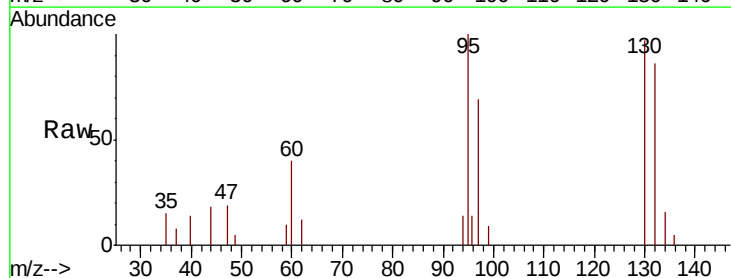
Acq: 10 Oct 2019 03:00

Tgt Ion:130 Resp: 2361

Ion Ratio Lower Upper

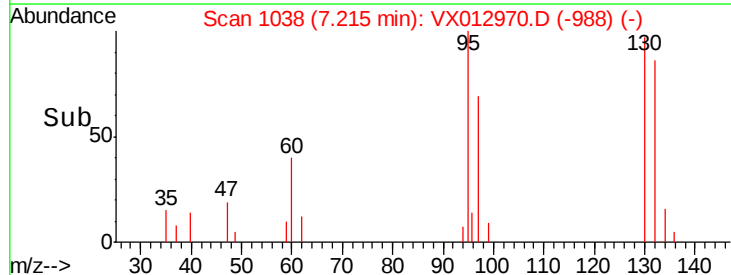
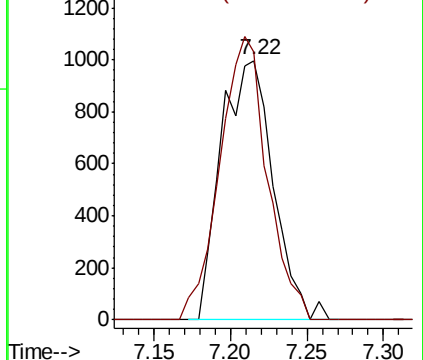
130 100

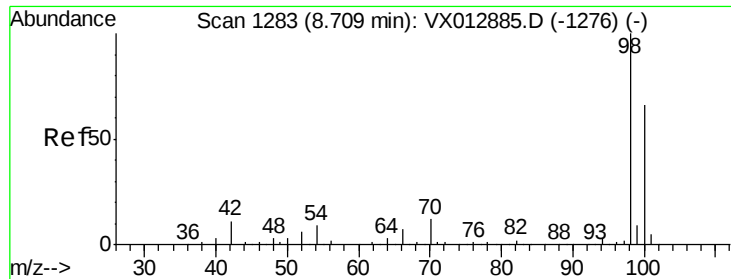
95 103.4 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

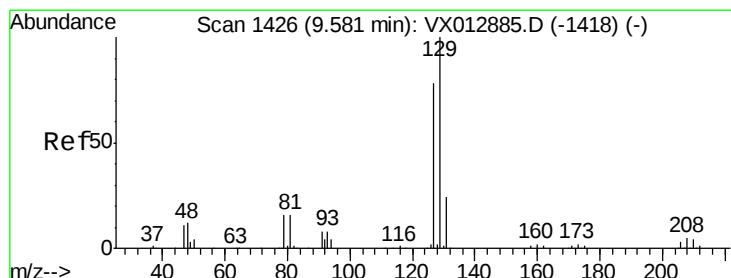
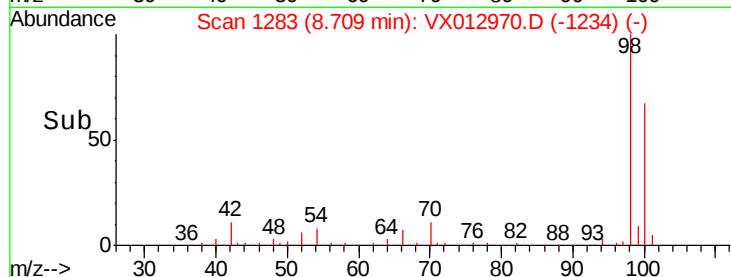
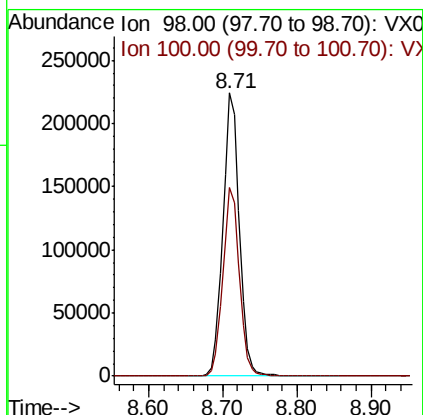
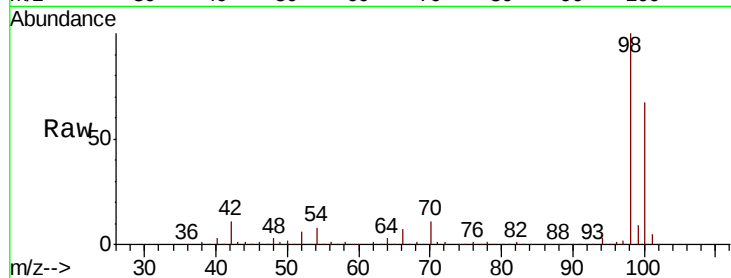




#50
Toluene-d8
Concen: 51.894 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012970.D
Acq: 10 Oct 2019 03:00

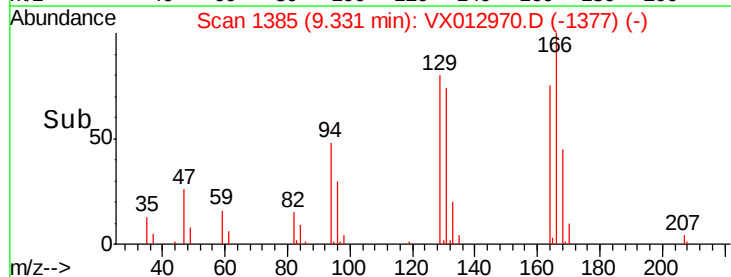
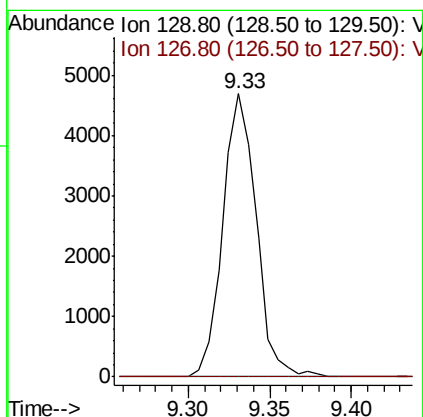
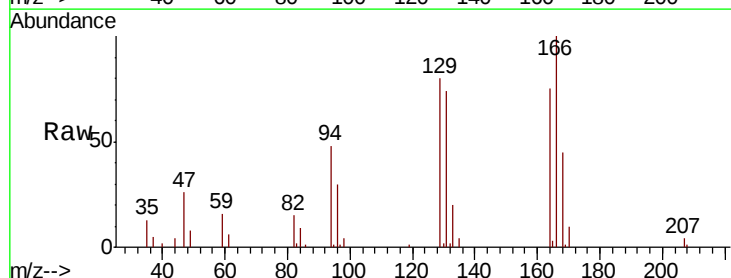
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0016

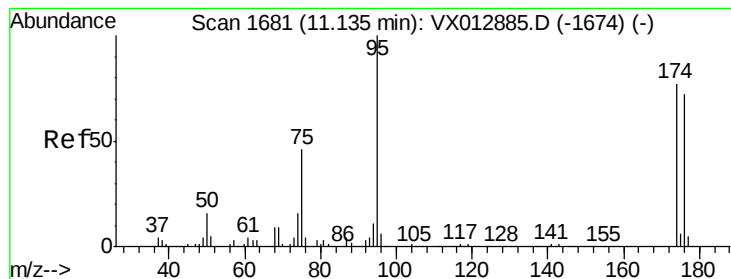
Tot Ion: 98 Resp: 345059
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.2



#60
Dibromochloromethane
Concen: 4.819 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.25 min
Lab File: VX012970.D
Acq: 10 Oct 2019 03:00

Tgt Ion: 129 Resp: 6685
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 45.010 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012970.D

Acq: 10 Oct 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0016

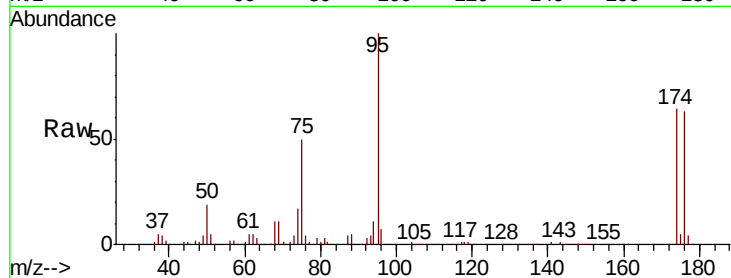
Tot Ion: 95 Resp: 116290

Ion Ratio Lower Upper

95 100

174 71.3 0.0 143.4

176 69.2 0.0 136.0



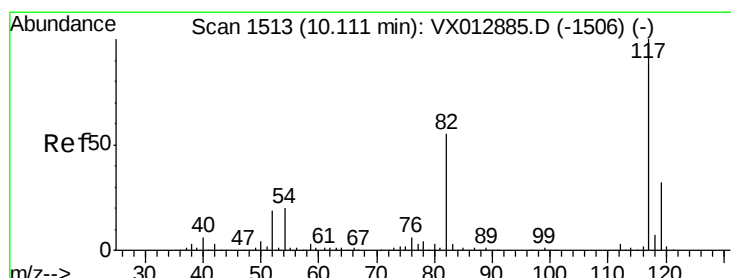
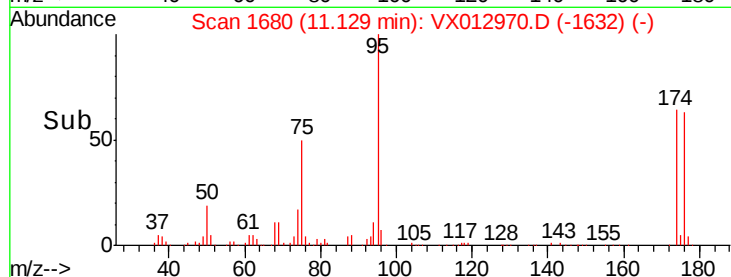
Abundance Ion 94.90 (94.60 to 95.60): VX012885.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012885.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012885.D (-1674) (-)

11.13

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012970.D

Acq: 10 Oct 2019 03:00

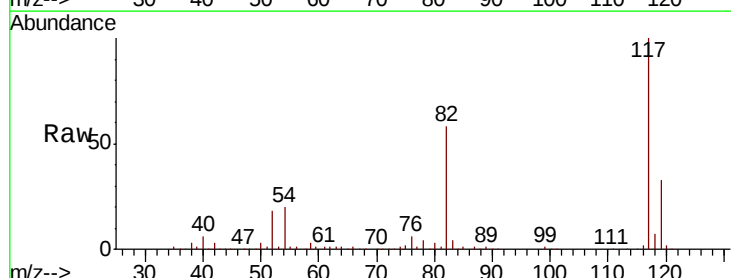
Tgt Ion: 117 Resp: 251744

Ion Ratio Lower Upper

117 100

82 57.9 44.1 66.1

119 32.8 25.8 38.8



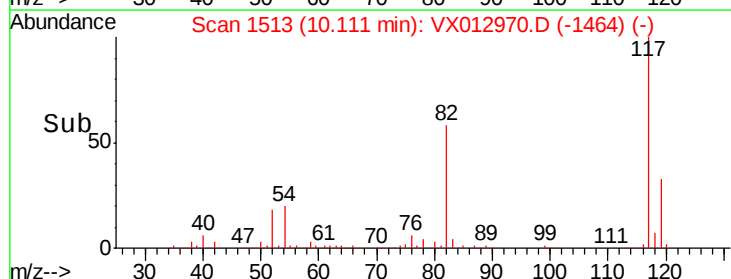
Abundance Ion 116.90 (116.60 to 117.60): VX012885.D (-1506) (-)

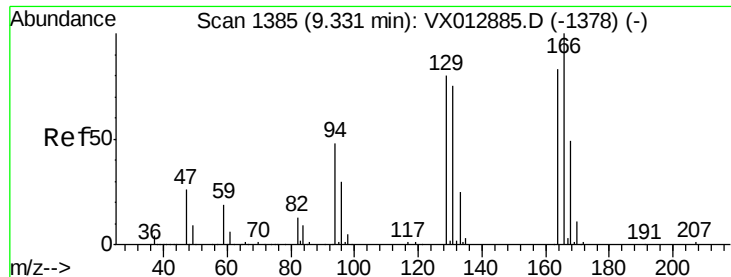
Ion 82.00 (81.70 to 82.70): VX012885.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX012885.D (-1506) (-)

10.11

Time-->





#64

Tetrachloroethene

Concen: 3.798 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012970.D

Acq: 10 Oct 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0016

Tot Ion:164 Resp: 6631

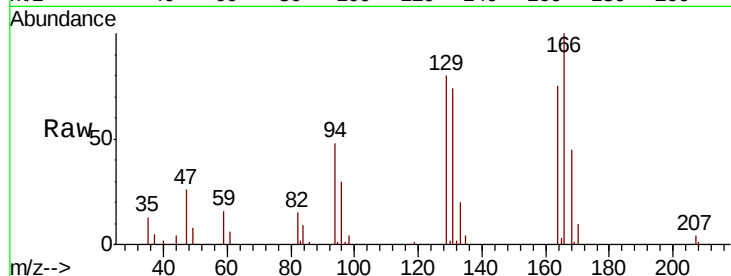
Ion Ratio Lower Upper

164 100

166 133.5 96.9 145.3

129 107.1 77.9 116.9

131 98.5 72.7 109.1



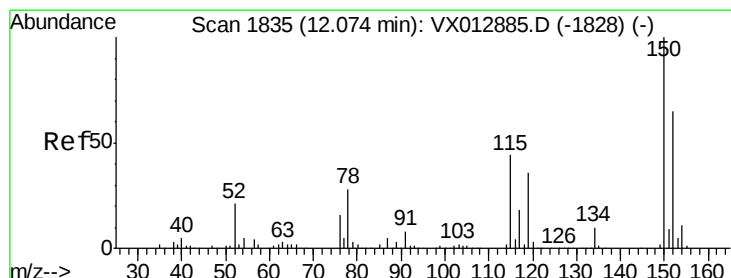
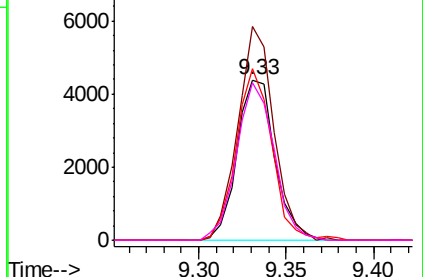
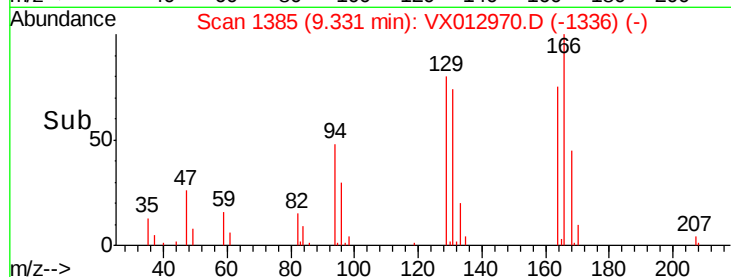
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012970.D

Acq: 10 Oct 2019 03:00

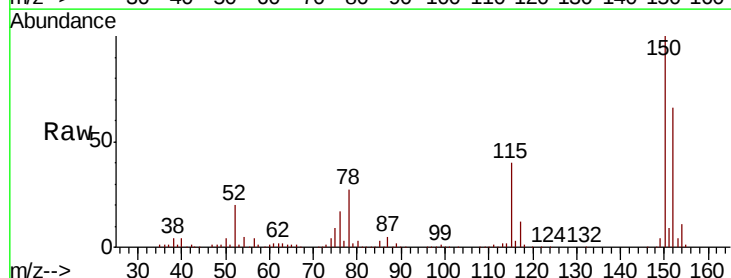
Tgt Ion:152 Resp: 100884

Ion Ratio Lower Upper

152 100

115 63.1 44.5 133.5

150 155.9 0.0 353.4

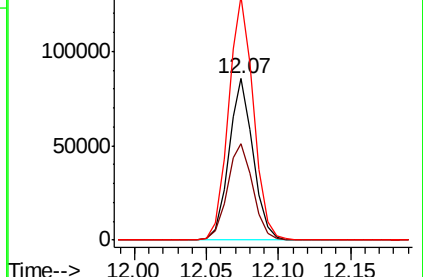
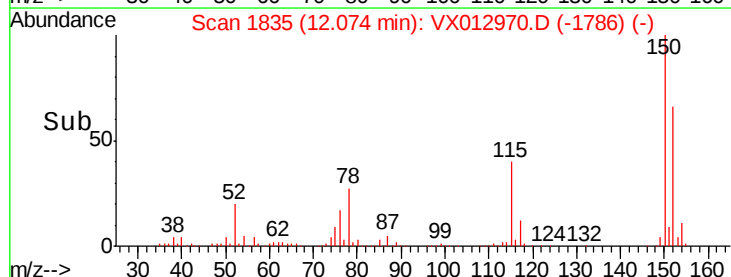


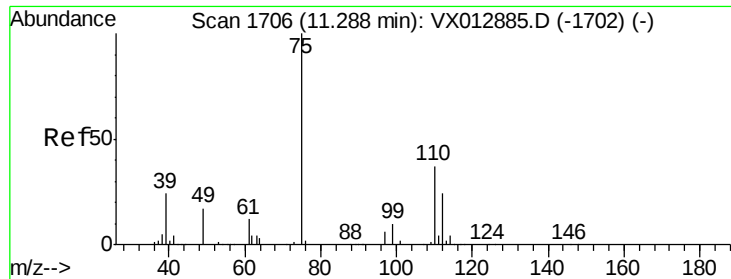
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->





#76

1,2,3-Trichloropropane

Concen: 26.446 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012970.D

Acq: 10 Oct 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

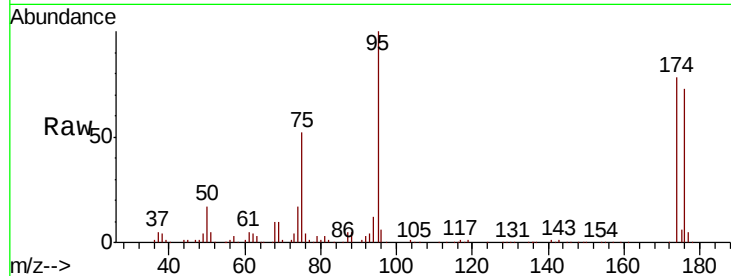
FA19-MMW0016

Tot Ion: 75 Resp: 59175

Ion Ratio Lower Upper

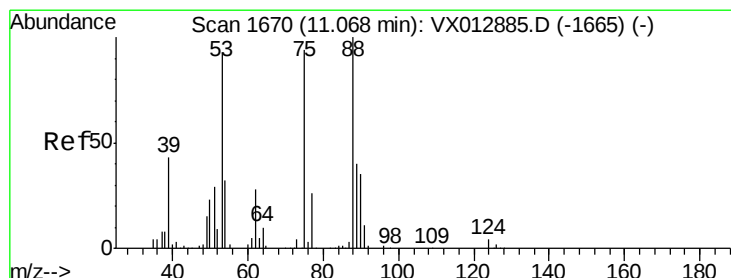
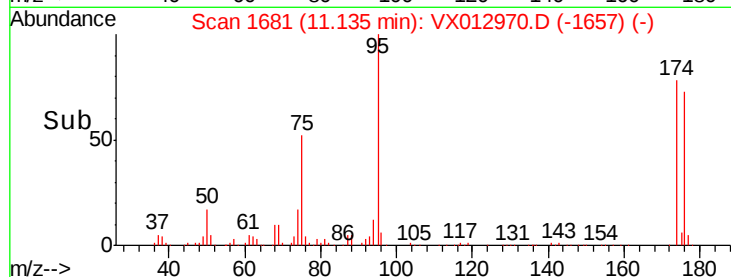
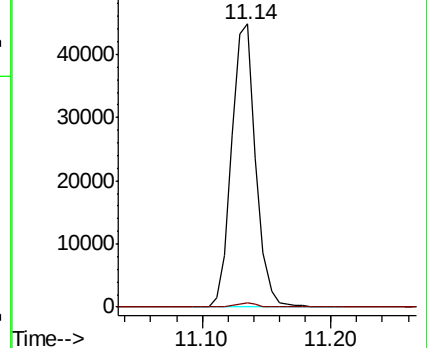
75 100

77 1.2 22.9 68.8#



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: 66.534 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012970.D

Acq: 10 Oct 2019 03:00

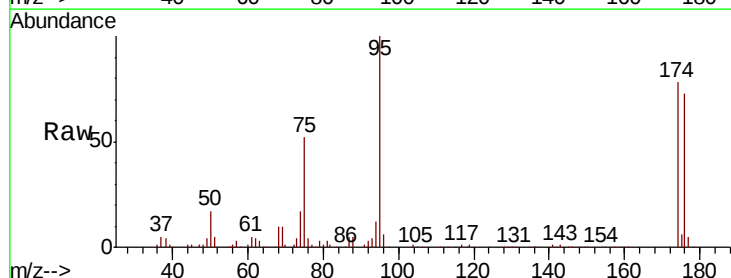
Tgt Ion: 75 Resp: 59175

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



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

