

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX012997.D
 Acq On : 10 Oct 2019 15:43
 Operator : JC/SP
 Sample : K5290-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964

Quant Time: Oct 11 04:37:30 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	168617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281696	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86530	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	109969	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
35) Dibromofluoromethane	5.48	113	84436	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
50) Toluene-d8	8.71	98	329476	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	11.14	95	108411	44.25	ug/l	0.00
Spiked Amount			Recovery	=	88.50%	

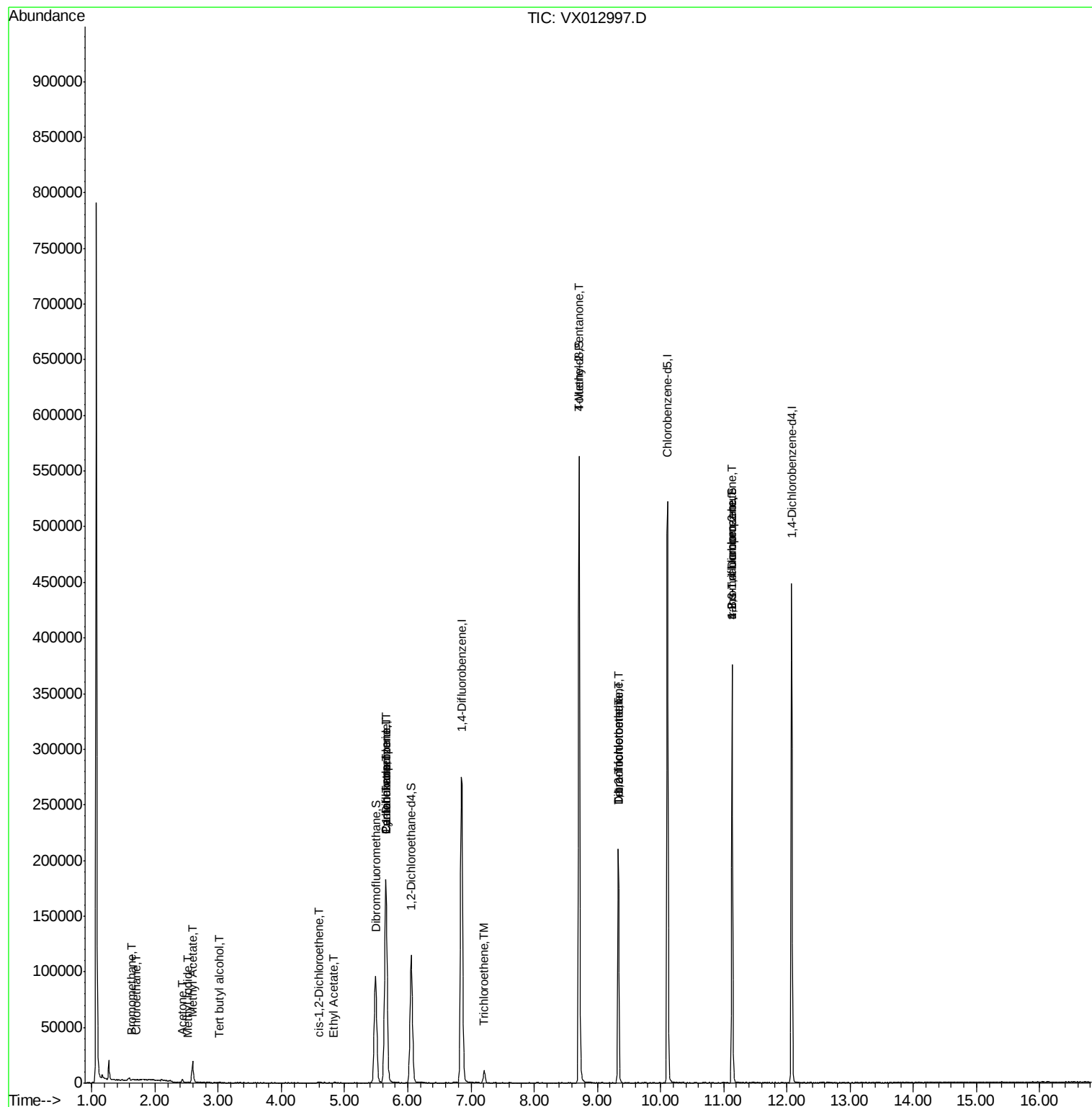
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	172	0.214	ug/l #	31
6) Chloroethane	1.70	64	299	0.619	ug/l #	43
10) Methyl Iodide	2.51	142	21	5.091	ug/l #	40
11) Tert butyl alcohol	3.02	59	449	0.804	ug/l #	72
16) Acetone	2.44	43	3075	2.768	ug/l	93
18) Methyl Acetate	2.59	43	5306	2.015	ug/l #	51
27) cis-1,2-Dichloroethene	4.59	96	445	0.211	ug/l	50
31) Cyclohexane	5.65	56	3788	1.238	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13575	5.481	ug/l #	50
37) Ethyl Acetate	4.83	43	640	0.231	ug/l #	71
38) Carbon Tetrachloride	5.65	117	18040	7.483	ug/l #	17
44) Trichloroethene	7.21	130	4278	2.109	ug/l	84
51) 4-Methyl-2-Pentanone	8.71	43	1395	0.503	ug/l #	1
55) 1,1,2-Trichloroethane	9.33	97	494	0.267	ug/l #	27
60) Dibromochloromethane	9.33	129	39975	20.533	ug/l #	10
64) Tetrachloroethene	9.33	164	39095	23.597	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	54783	28.544	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	54783	71.490	ug/l #	10

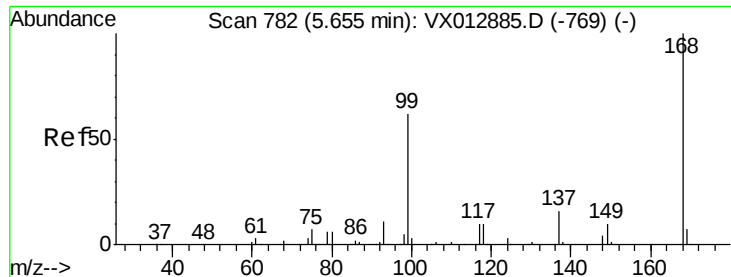
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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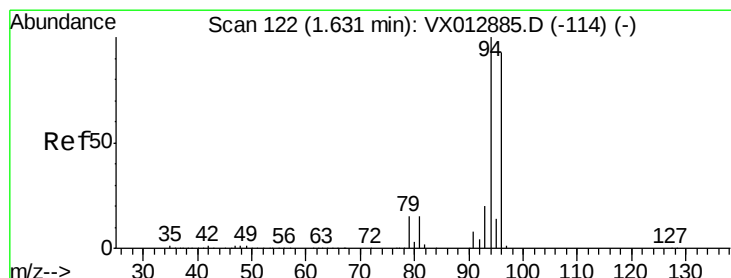
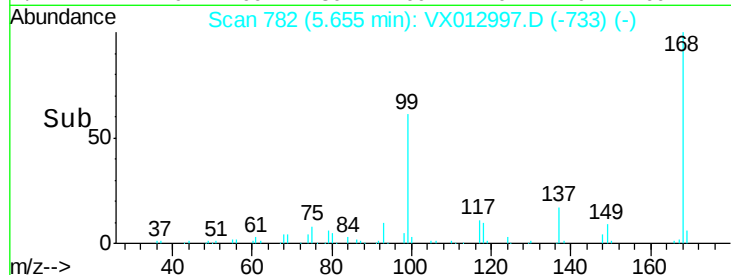
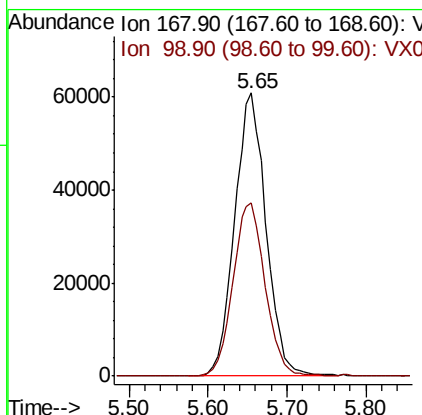
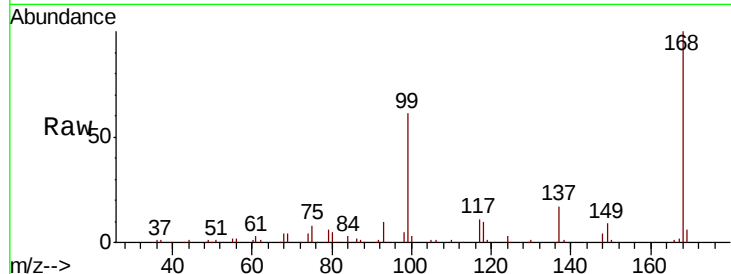




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX012997.D
Acq: 10 Oct 2019 15:43

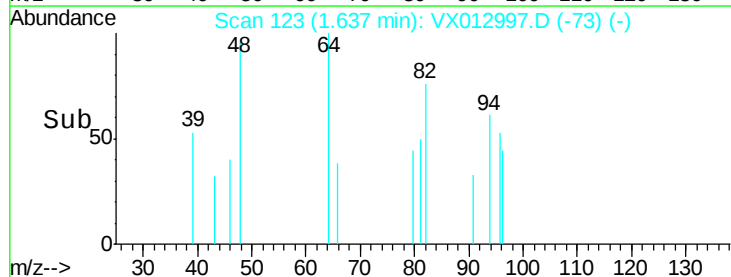
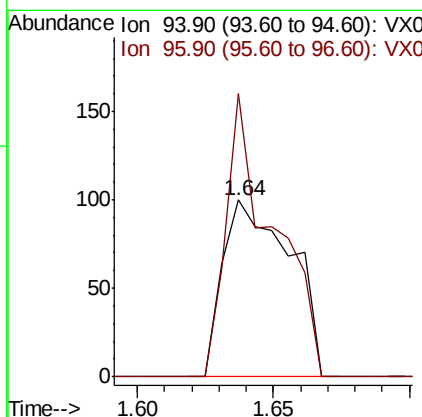
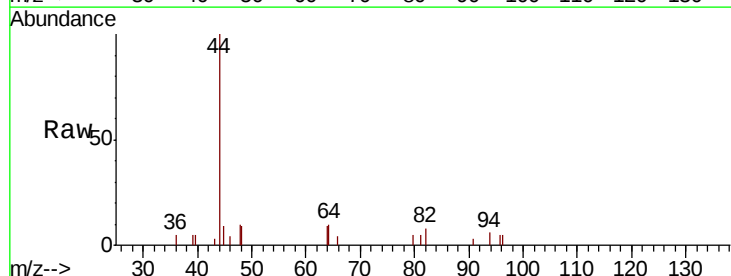
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964

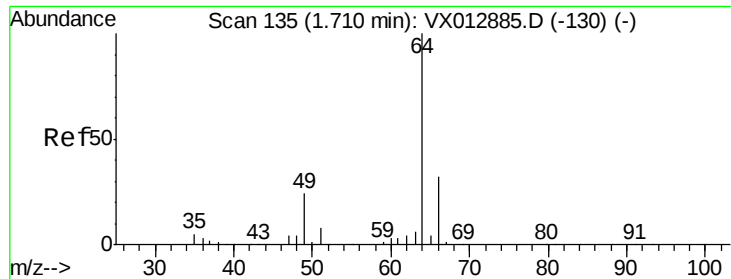
Tot Ion:168 Resp: 168617
Ion Ratio Lower Upper
168 100
99 61.2 49.4 74.0



#5
Bromomethane
Concen: 0.214 ug/l
RT: 1.64 min Scan# 123
Delta R.T. 0.01 min
Lab File: VX012997.D
Acq: 10 Oct 2019 15:43

Tgt Ion: 94 Resp: 172
Ion Ratio Lower Upper
94 100
96 160.0 74.7 112.1#





#6

Chloroethane

Concen: 0.619 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012997.D

Acq: 10 Oct 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

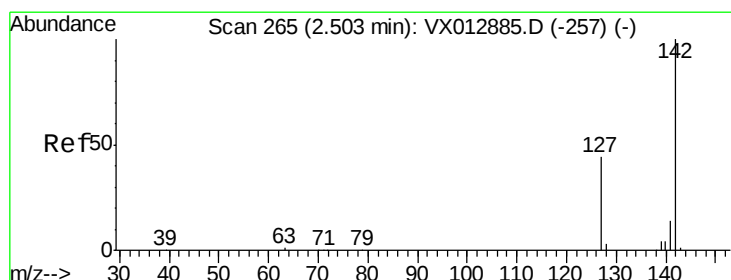
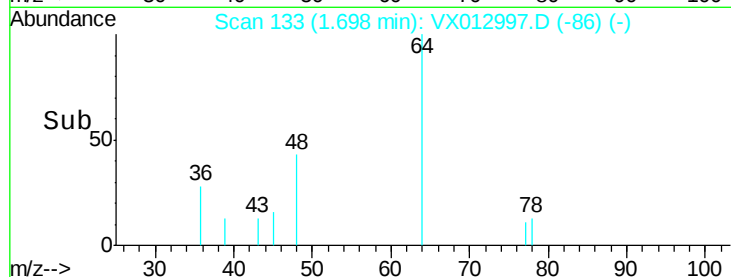
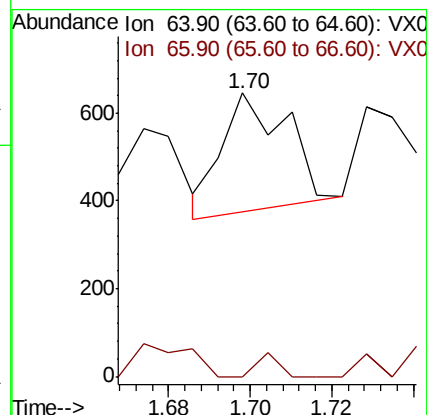
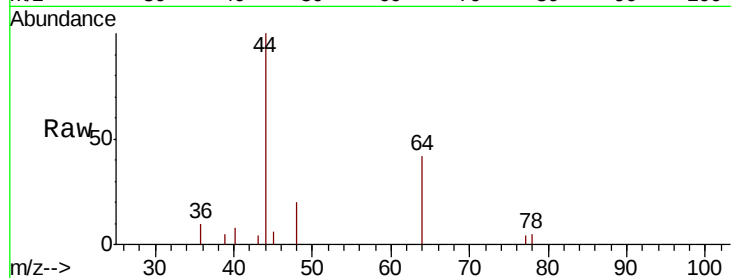
FA19-JMW1964

Tot Ion: 64 Resp: 299

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#10

Methyl Iodide

Concen: 5.091 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012997.D

Acq: 10 Oct 2019 15:43

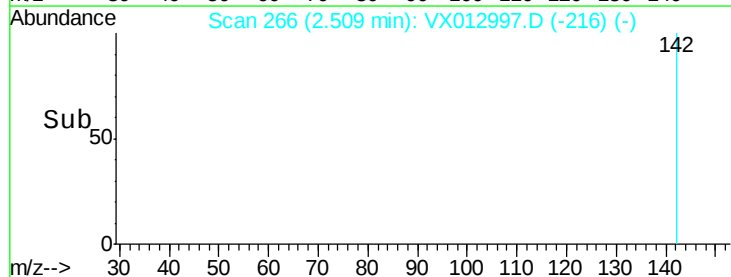
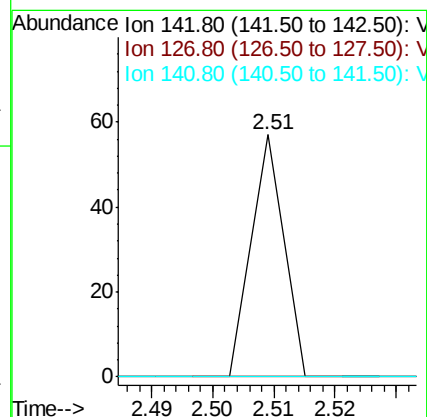
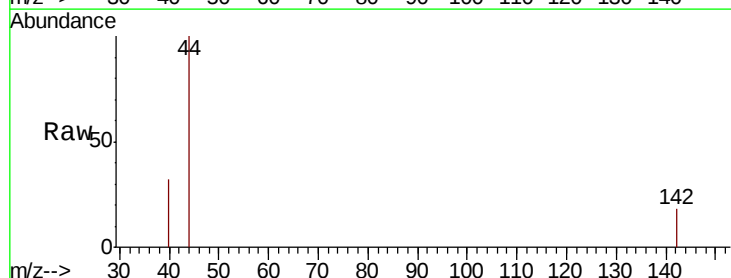
Tgt Ion: 142 Resp: 21

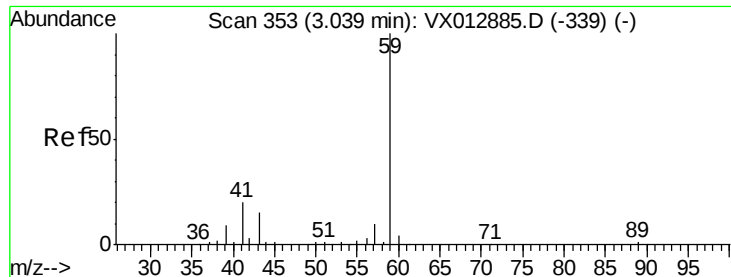
Ion Ratio Lower Upper

142 100

127 0.0 34.9 52.3#

141 0.0 11.6 17.4#



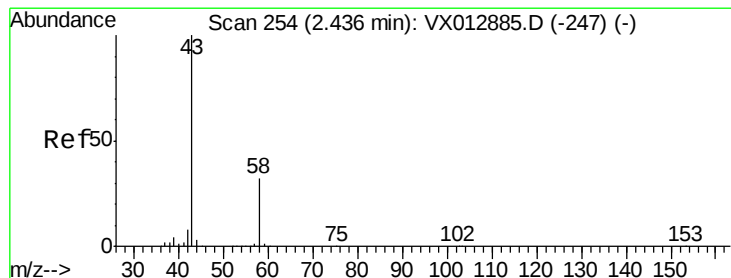
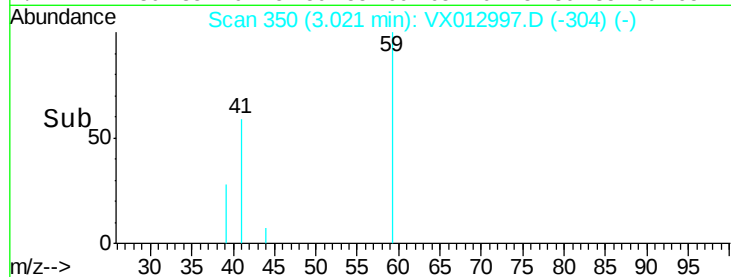
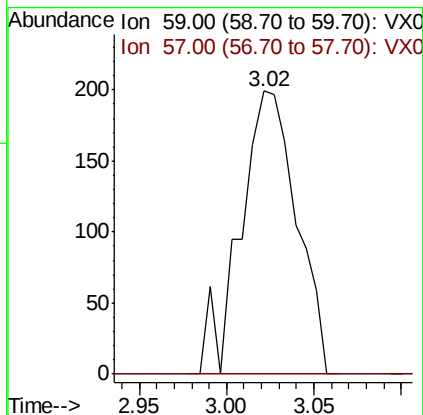
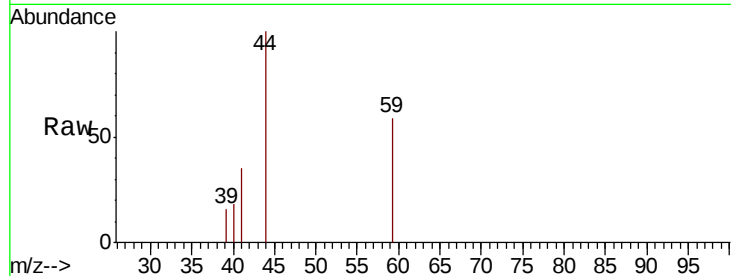


#11

Tert butyl alcohol
 Concen: 0.804 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX012997.D
 Acq: 10 Oct 2019 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964

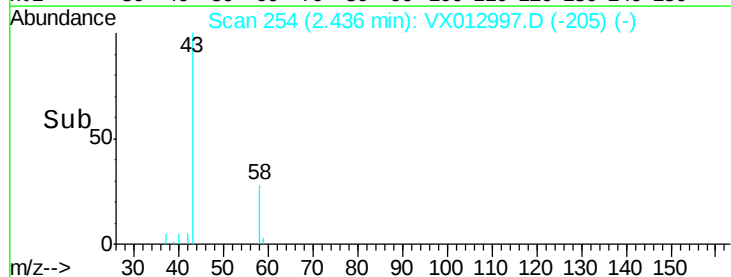
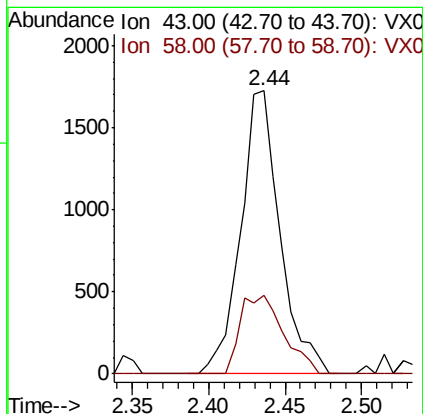
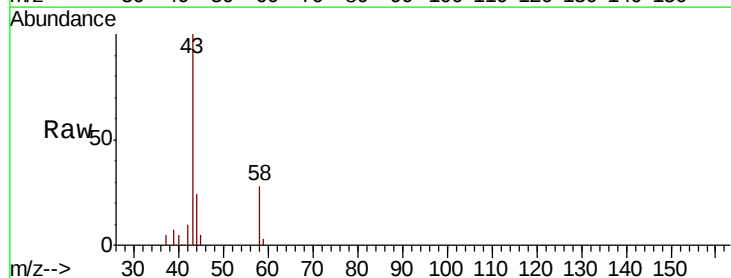
Tot Ion: 59 Resp: 449
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

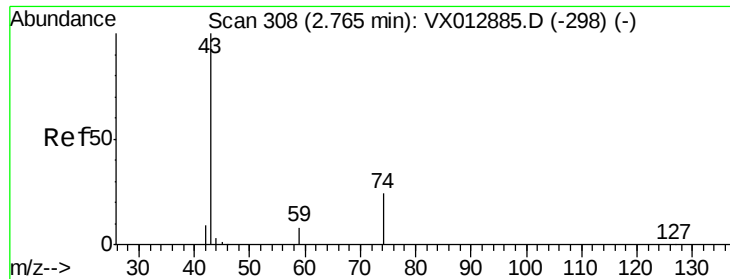


#16

Acetone
 Concen: 2.768 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX012997.D
 Acq: 10 Oct 2019 15:43

Tgt Ion: 43 Resp: 3075
 Ion Ratio Lower Upper
 43 100
 58 27.7 25.4 38.2

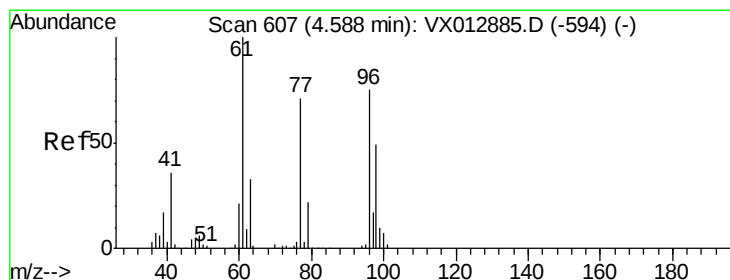
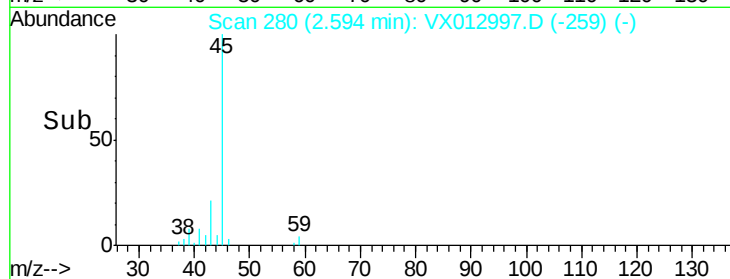
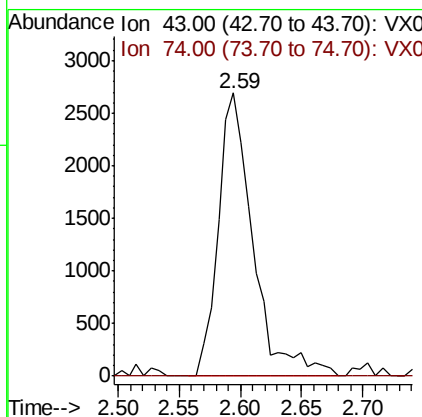
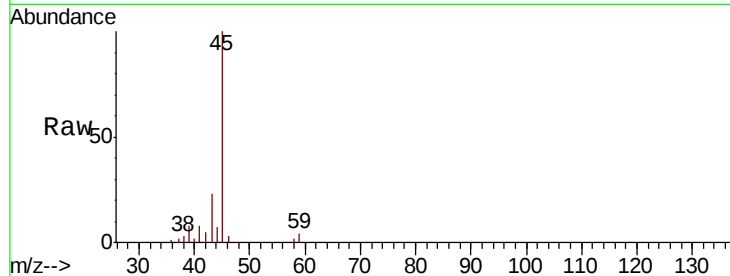




#18
Methyl Acetate
Concen: 2.015 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012997.D
Acq: 10 Oct 2019 15:43

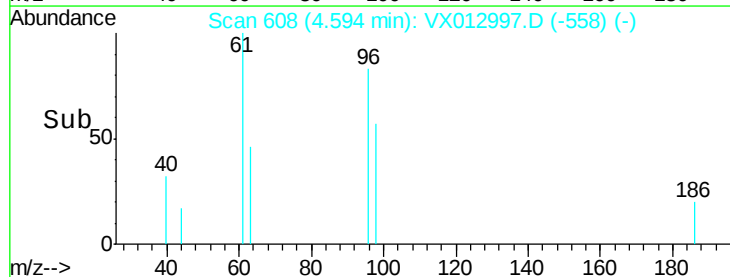
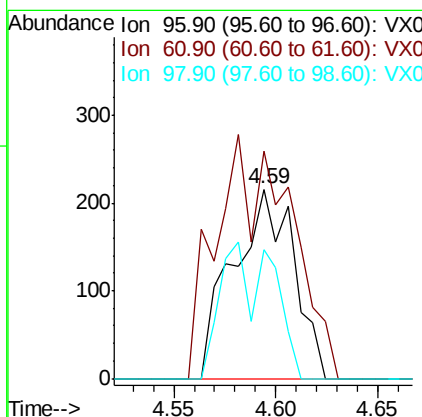
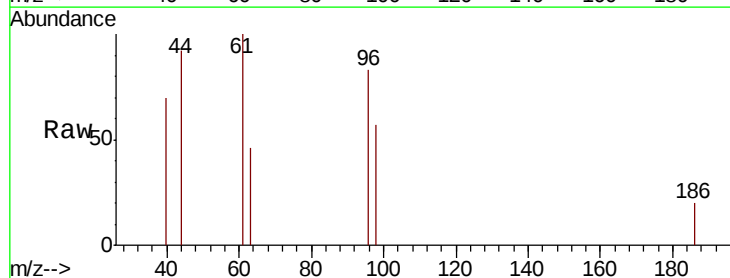
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964

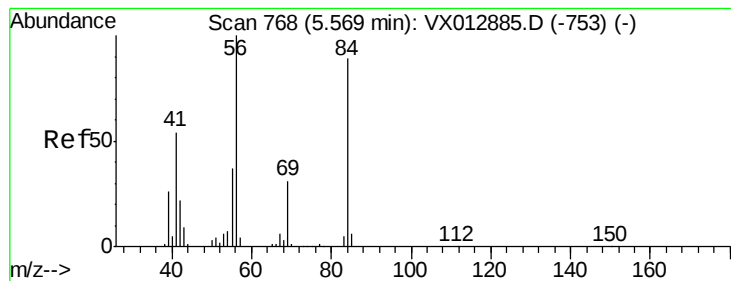
Tot Ion: 43 Resp: 5306
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#27
cis-1,2-Dichloroethene
Concen: 0.211 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX012997.D
Acq: 10 Oct 2019 15:43

Tgt Ion: 96 Resp: 445
Ion Ratio Lower Upper
96 100
61 76.6 0.0 290.6
98 34.4 0.0 128.8





#31

Cyclohexane

Concen: 1.238 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012997.D

Acq: 10 Oct 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964

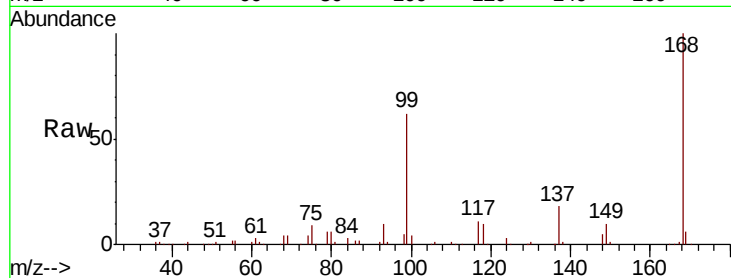
Tot Ion: 56 Resp: 3788

Ion Ratio Lower Upper

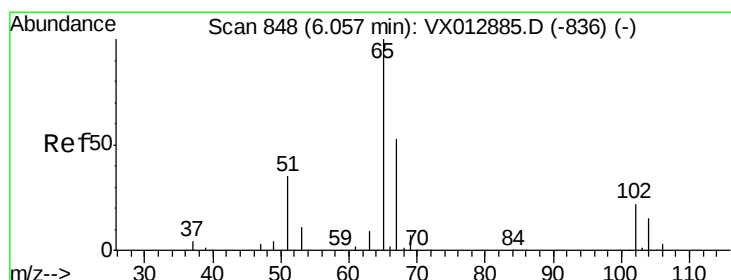
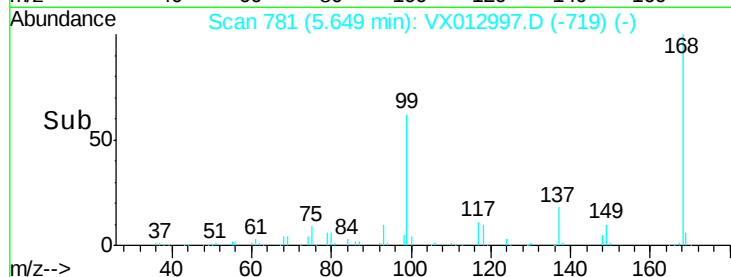
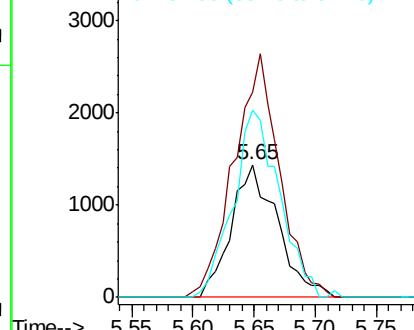
56 100

69 154.7 25.2 37.8#

84 141.2 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: 52.180 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX012997.D

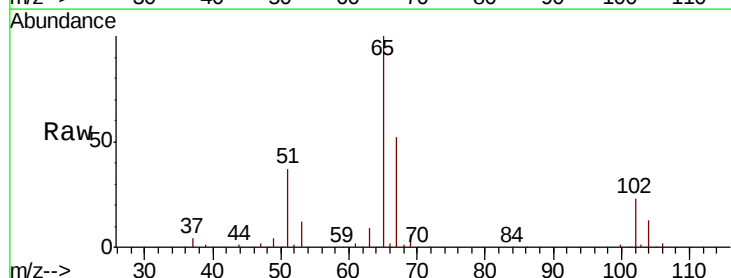
Acq: 10 Oct 2019 15:43

Tgt Ion: 65 Resp: 109969

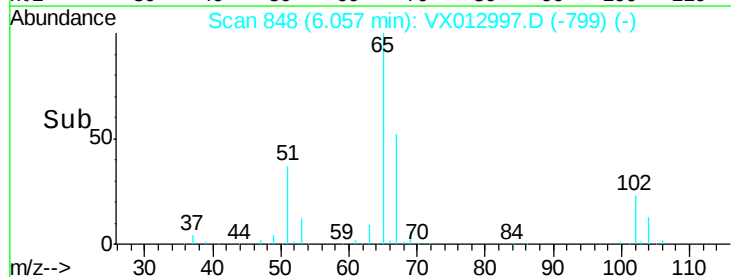
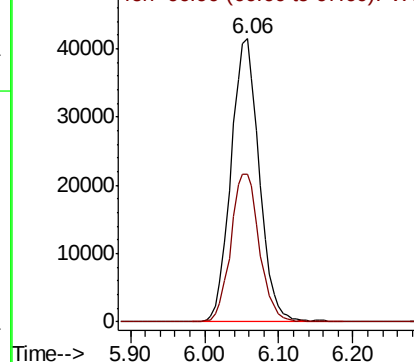
Ion Ratio Lower Upper

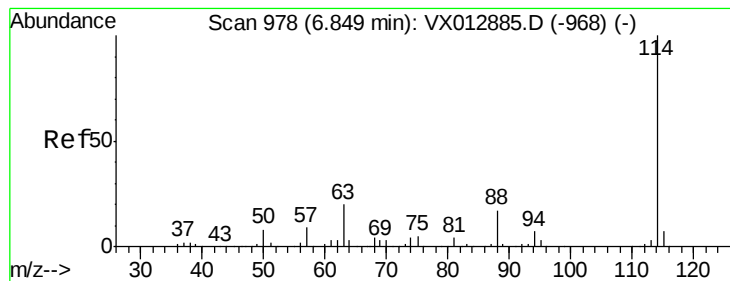
65 100

67 52.7 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: VX012997.D

Acq: 10 Oct 2019 15:43

Instrument :

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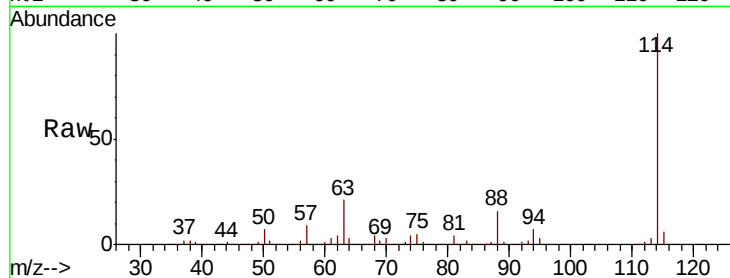
Tot Ion:114 Resp: 281696

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

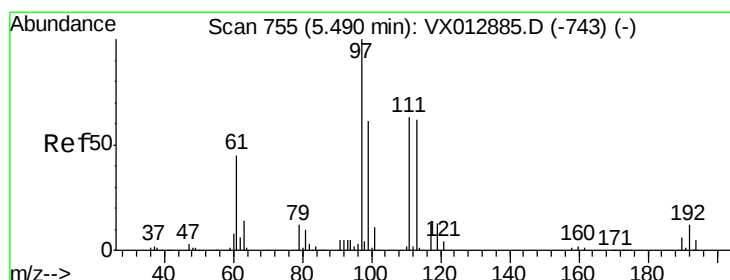
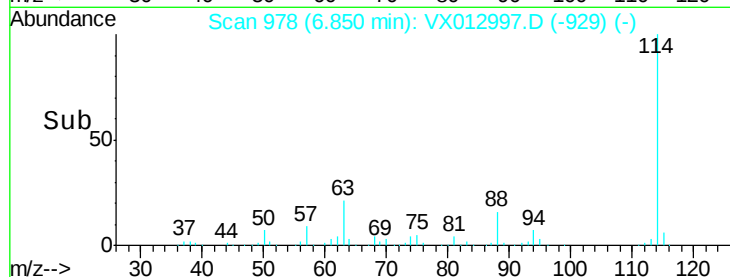
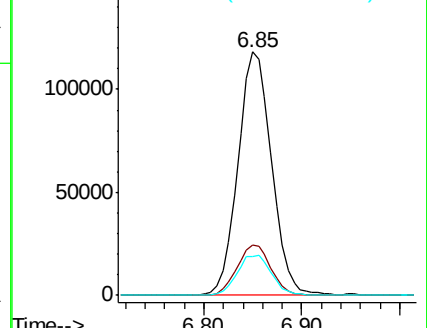
88 16.1 0.0 33.8



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: 52.225 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012997.D

Acq: 10 Oct 2019 15:43

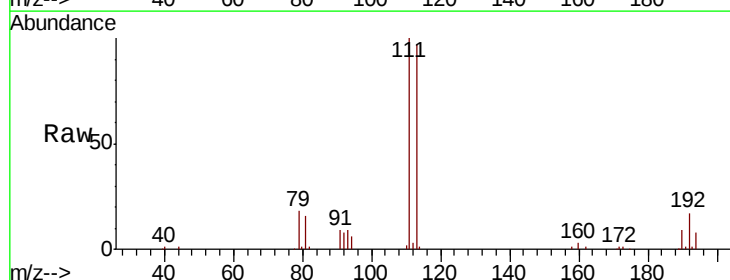
Tgt Ion:113 Resp: 84436

Ion Ratio Lower Upper

113 100

111 101.4 83.2 124.8

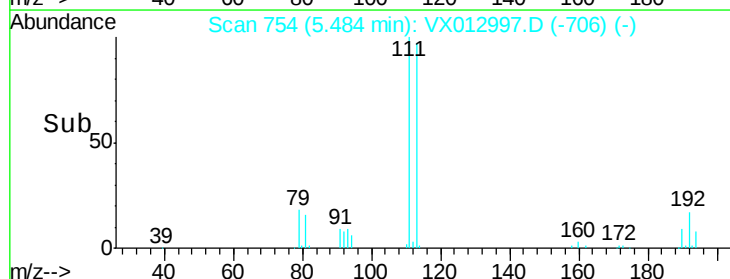
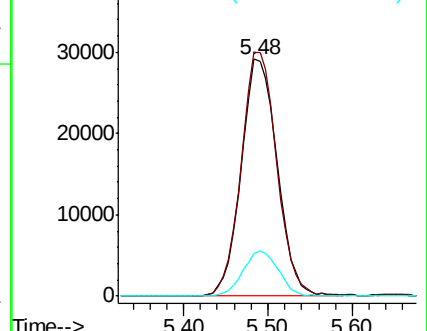
192 18.7 15.4 23.2

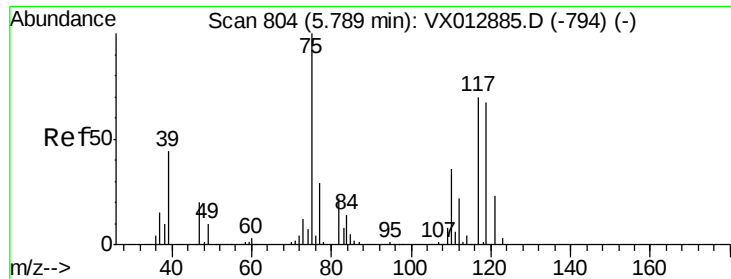


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

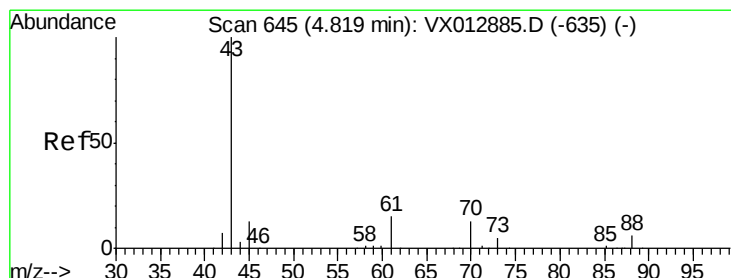
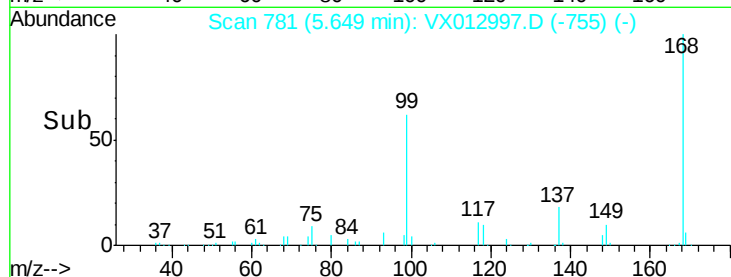
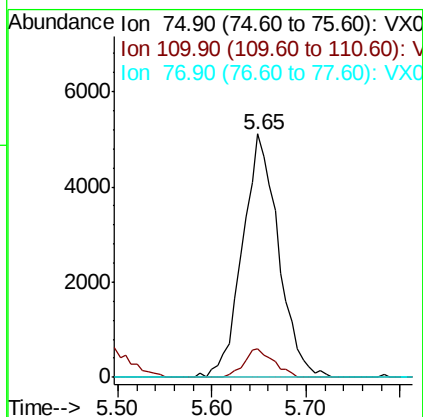
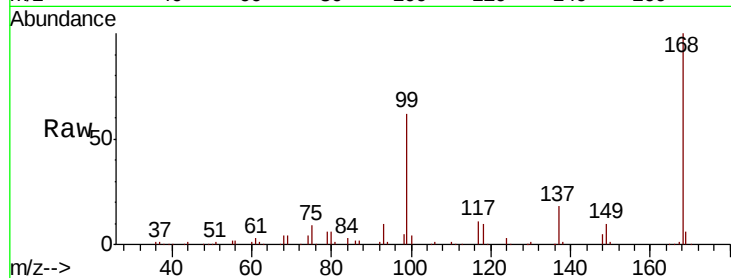




#36
 1,1-Dichloropropene
 Concen: 5.481 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012997.D
 Acq: 10 Oct 2019 15:43

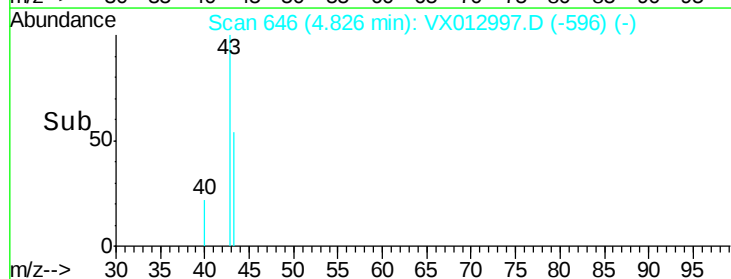
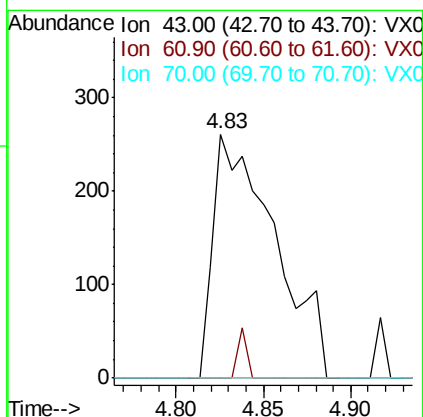
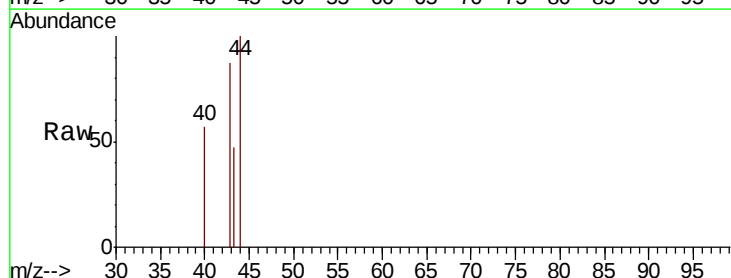
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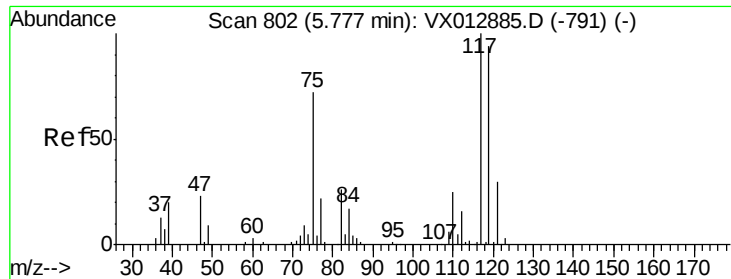
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.6	52.9#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 0.231 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX012997.D
 Acq: 10 Oct 2019 15:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.1	11.4	17.0#
70	0.0	9.8	14.6#





#38

Carbon Tetrachloride

Concen: 7.483 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012997.D

Acq: 10 Oct 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964

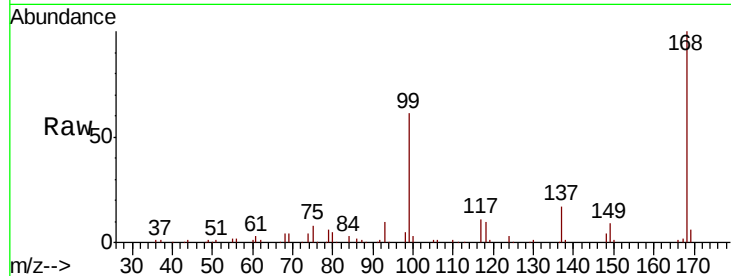
Tot Ion:117 Resp: 18040

Ion Ratio Lower Upper

117 100

119 5.4 74.5 111.7#

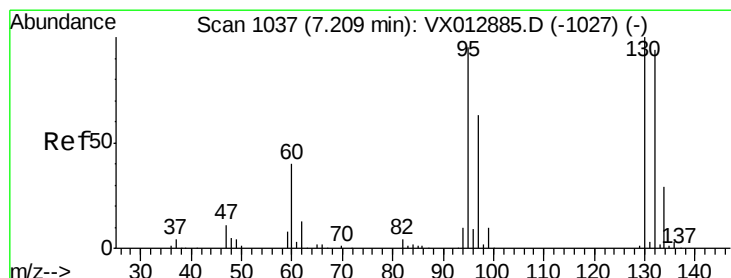
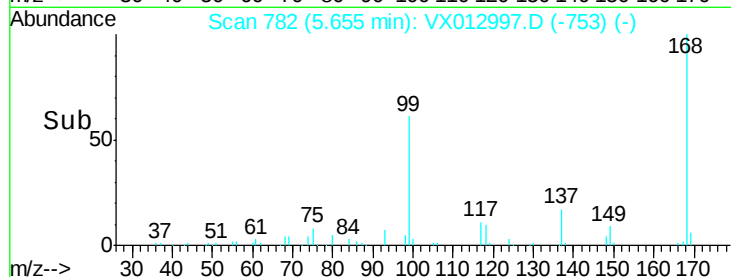
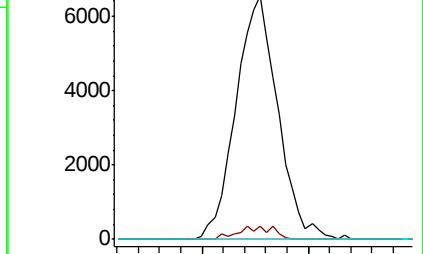
121 0.0 24.2 36.4#



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: 2.109 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX012997.D

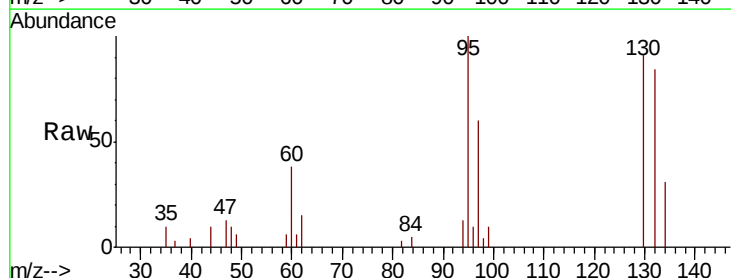
Acq: 10 Oct 2019 15:43

Tgt Ion:130 Resp: 4278

Ion Ratio Lower Upper

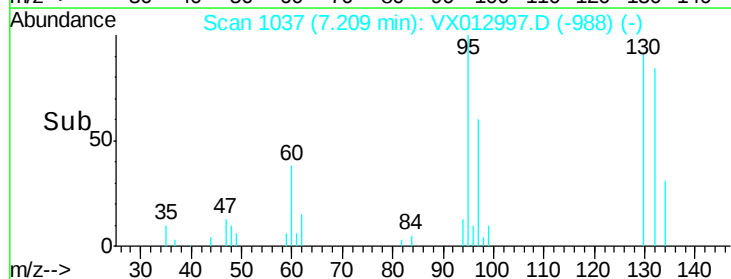
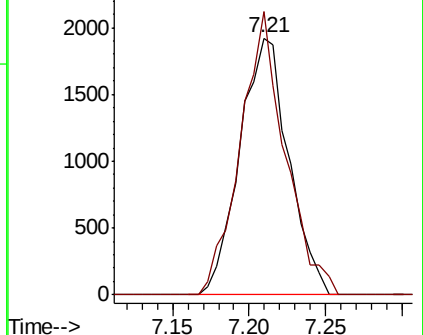
130 100

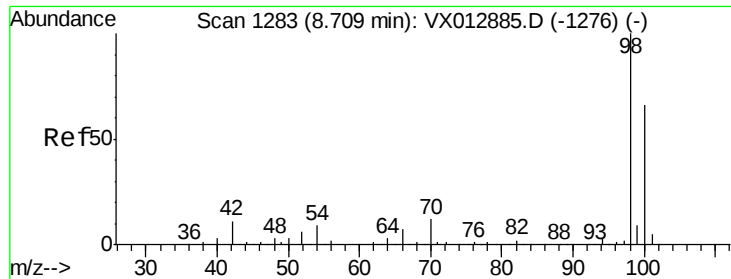
95 110.3 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

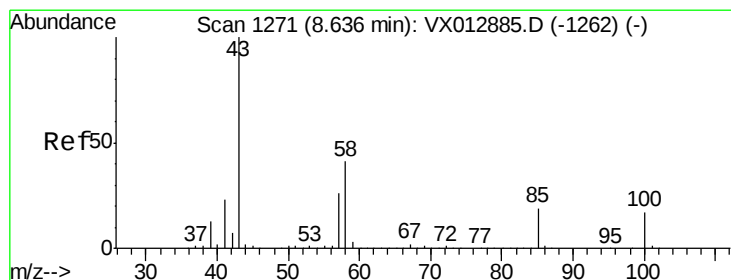
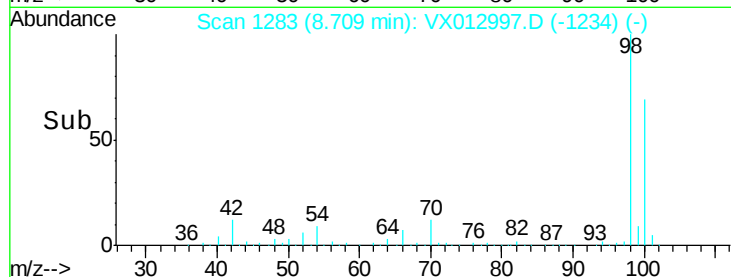
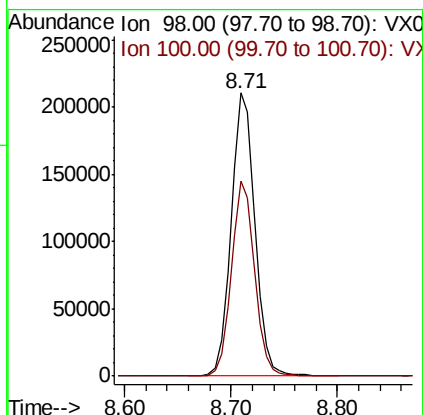
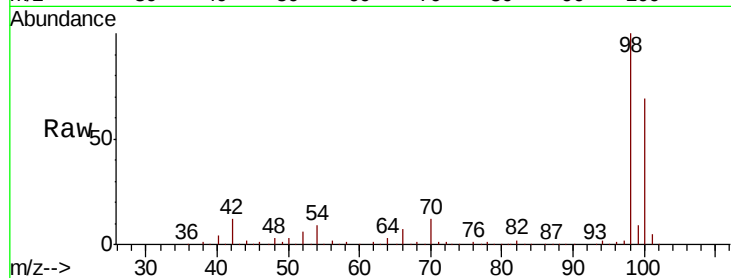




#50
Toluene-d8
Concen: 52.249 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012997.D
Acq: 10 Oct 2019 15:43

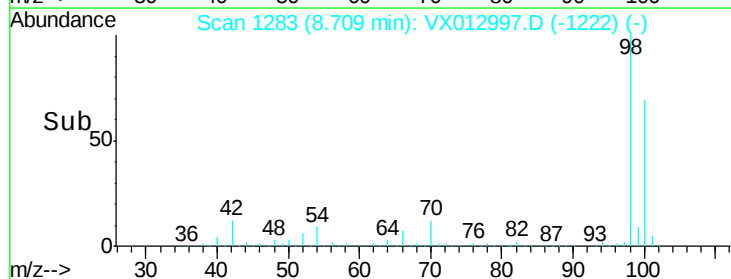
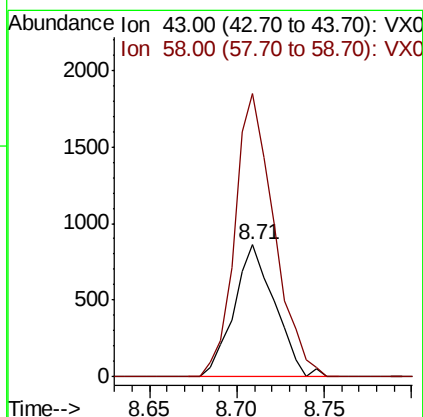
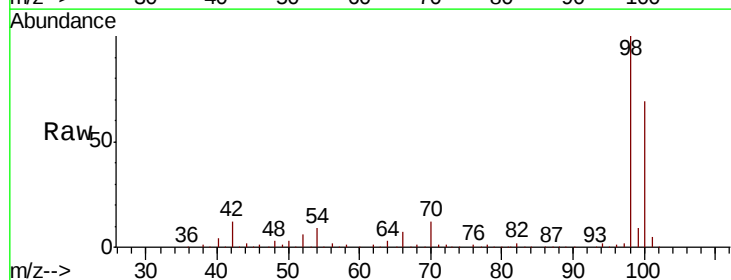
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964

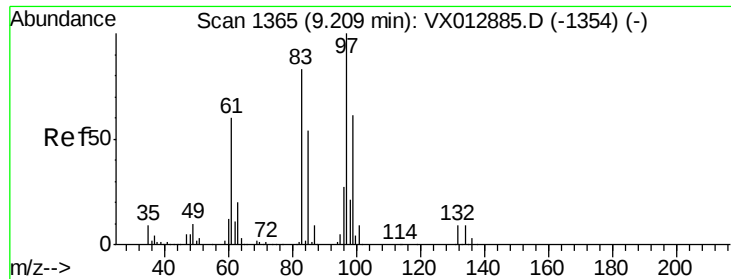
Tot Ion: 98 Resp: 329476
Ion Ratio Lower Upper
98 100
100 67.6 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.503 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012997.D
Acq: 10 Oct 2019 15:43

Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
58 207.0 32.4 48.6#

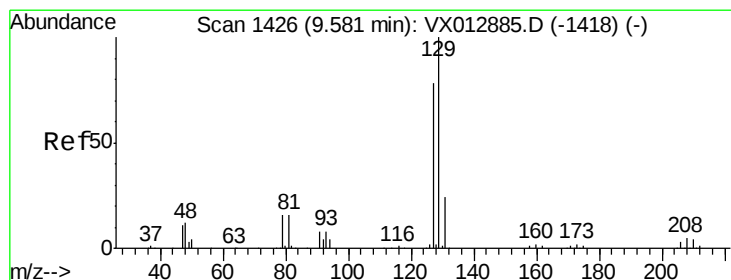
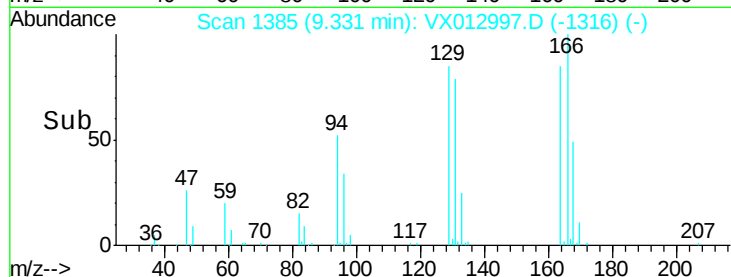
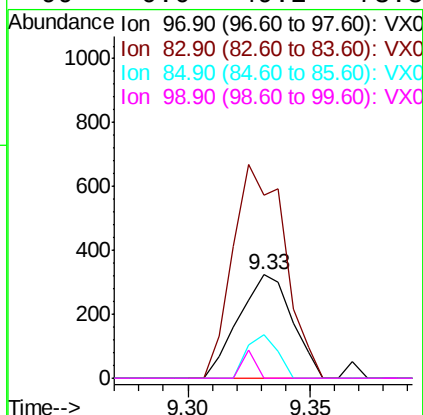
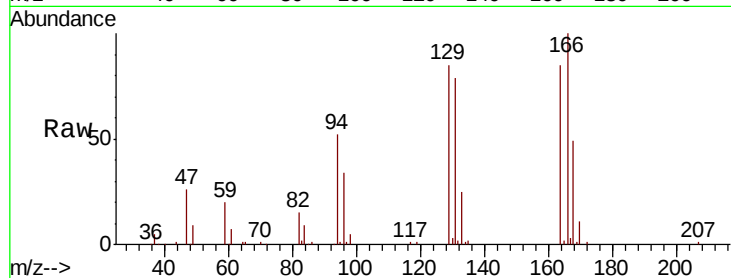




#55
 1,1,2-Trichloroethane
 Concen: 0.267 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.12 min
 Lab File: VX012997.D
 Acq: 10 Oct 2019 15:43

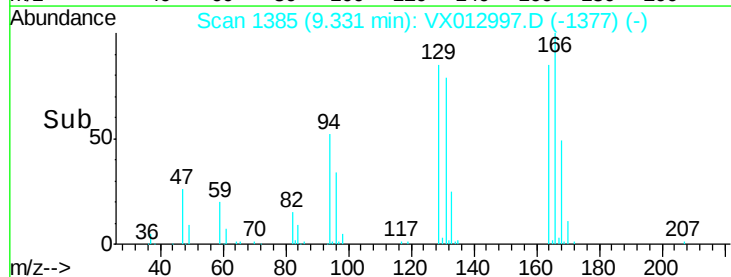
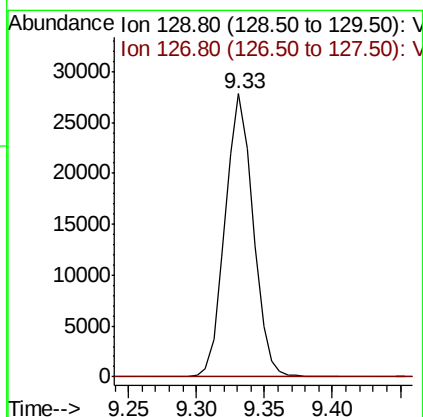
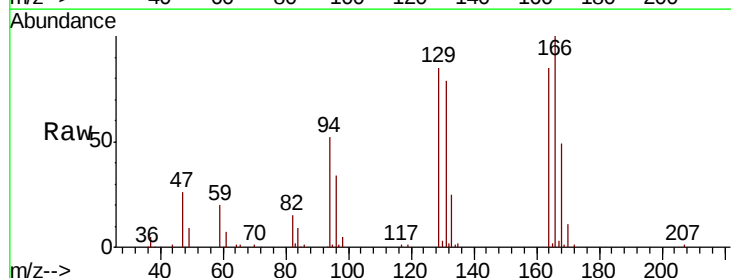
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964

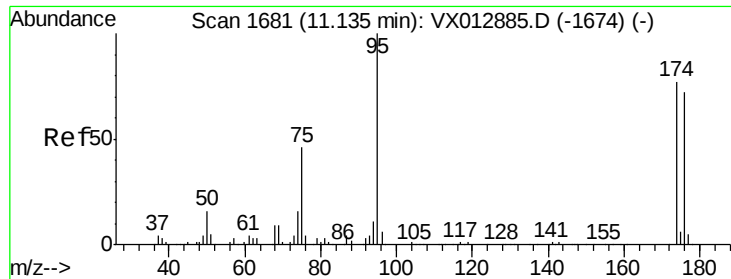
Tot Ion: 97 Resp: 494
 Ion Ratio Lower Upper
 97 100
 83 177.2 66.5 99.7#
 85 42.3 43.1 64.7#
 99 0.0 49.2 73.8#



#60
 Dibromochloromethane
 Concen: 20.533 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.25 min
 Lab File: VX012997.D
 Acq: 10 Oct 2019 15:43

Tgt Ion: 129 Resp: 39975
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#

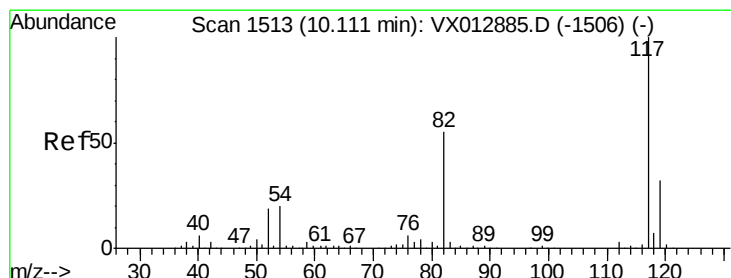
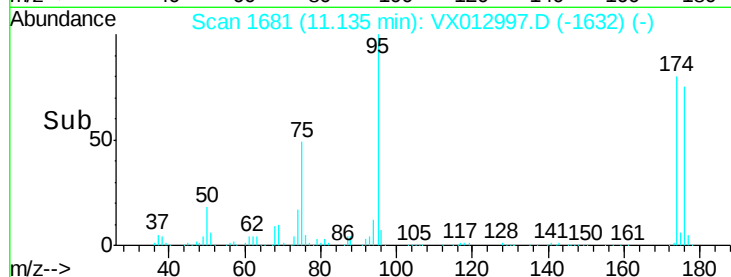
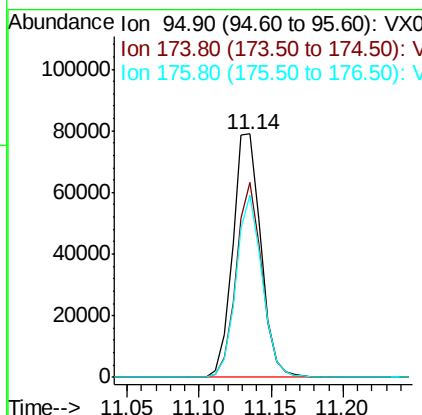
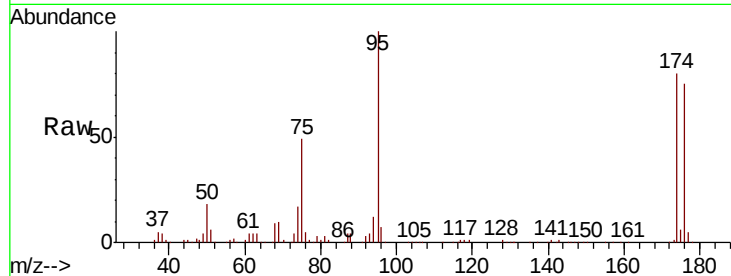




#62
4-Bromofluorobenzene
Concen: 44.246 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012997.D
Acq: 10 Oct 2019 15:43

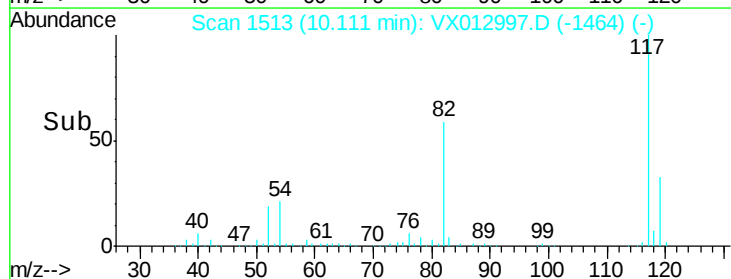
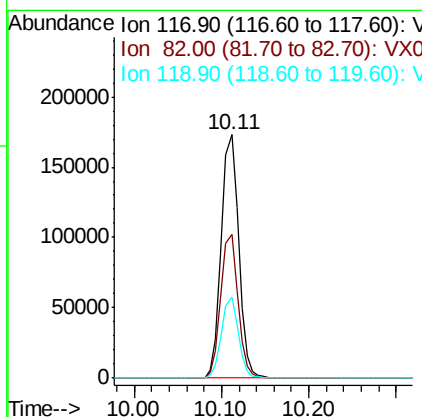
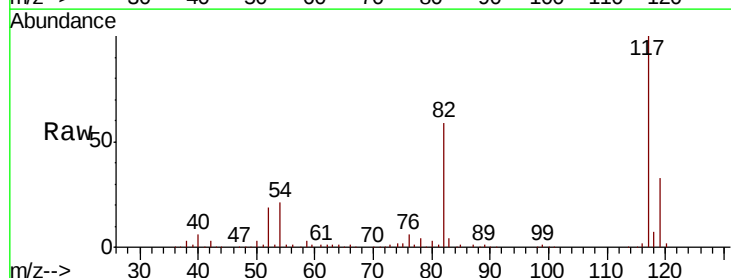
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964

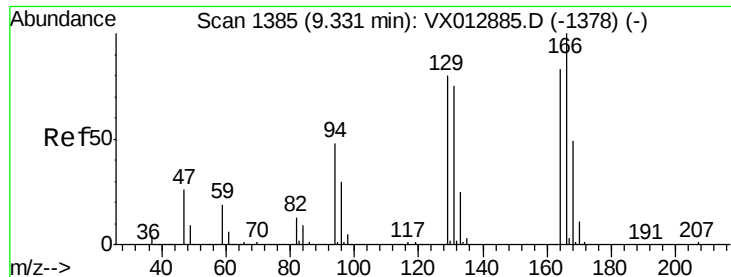
Tot Ion: 95 Resp: 108411
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.4
176 69.2 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012997.D
Acq: 10 Oct 2019 15:43

Tgt Ion: 117 Resp: 238866
Ion Ratio Lower Upper
117 100
82 58.9 44.1 66.1
119 33.1 25.8 38.8

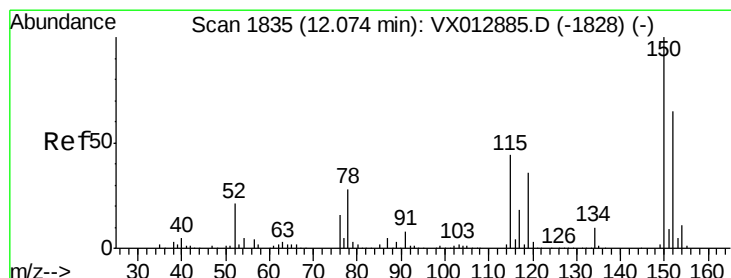
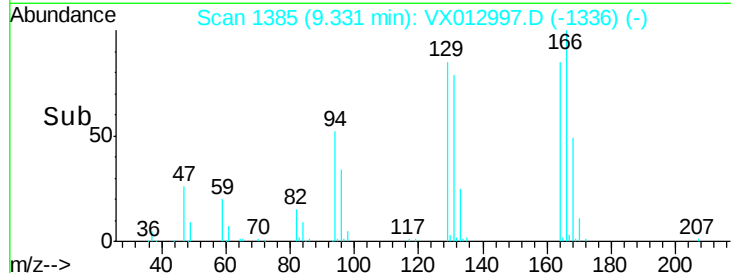
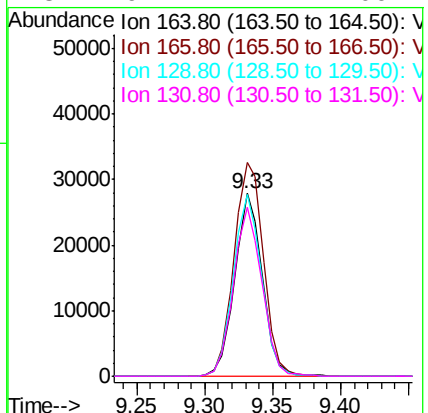
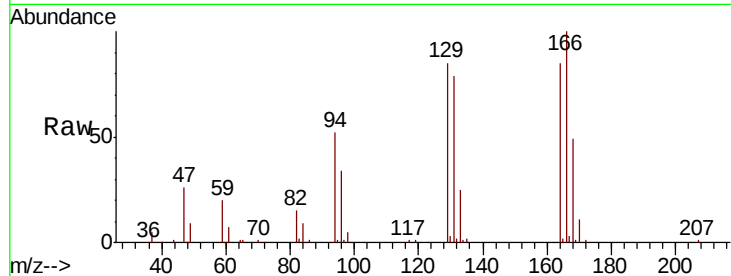




#64
 Tetrachloroethene
 Concen: 23.597 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VX012997.D
 Acq: 10 Oct 2019 15:43

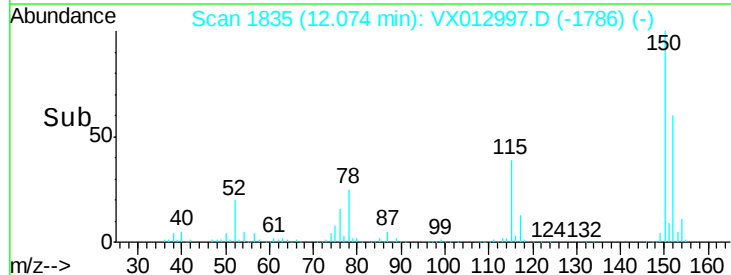
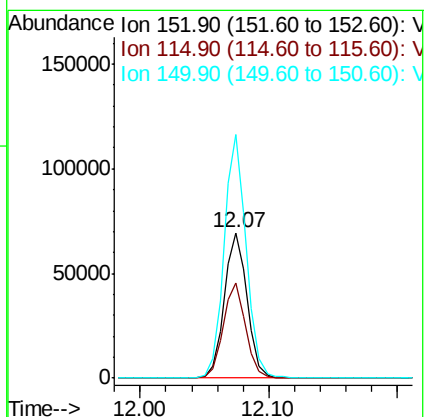
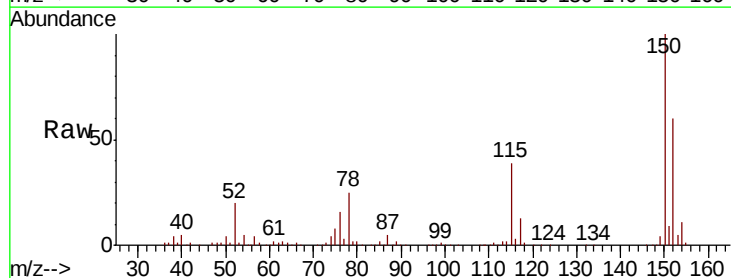
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964

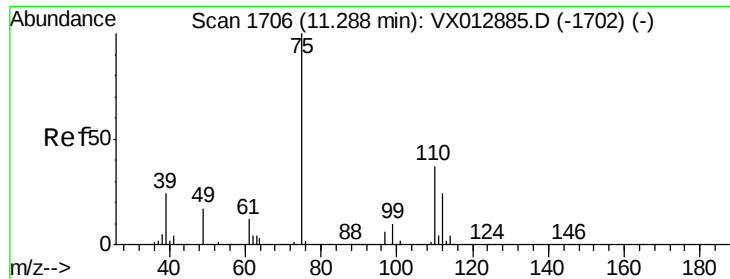
Tot Ion:	164	Resp:	39095
Ion	Ratio	Lower	Upper
164	100		
166	117.0	96.9	145.3
129	99.9	77.9	116.9
131	92.4	72.7	109.1



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012997.D
 Acq: 10 Oct 2019 15:43

Tgt Ion:	152	Resp:	86530
Ion	Ratio	Lower	Upper
152	100		
115	64.4	44.5	133.5
150	161.9	0.0	353.4





#76

1,2,3-Trichloropropane

Concen: 28.544 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012997.D

Acq: 10 Oct 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

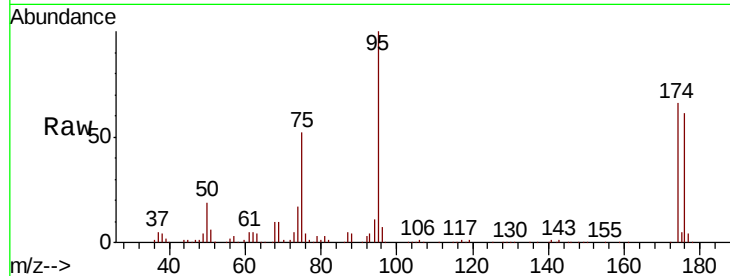
FA19-JMW1964

Tot Ion: 75 Resp: 54783

Ion Ratio Lower Upper

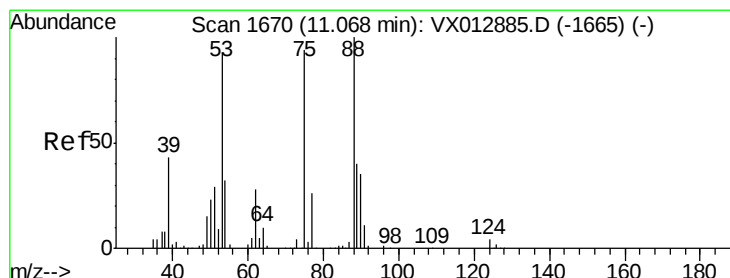
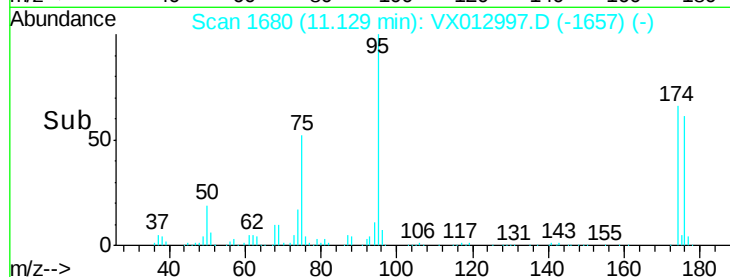
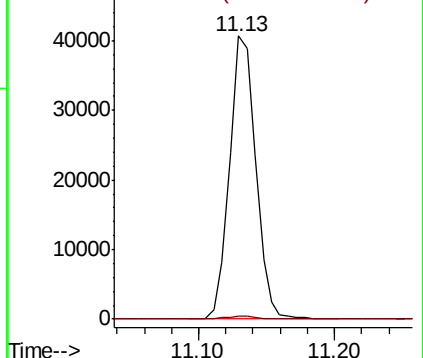
75 100

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: 71.490 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012997.D

Acq: 10 Oct 2019 15:43

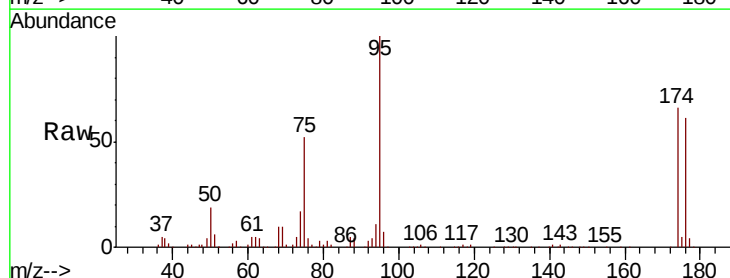
Tgt Ion: 75 Resp: 54783

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

