

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012962.D
 Acq On : 09 Oct 2019 23:54
 Operator : JC/SP
 Sample : K5260-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010

Quant Time: Oct 10 06:48:11 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	184186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	308136	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103800	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	117672	51.12	ug/l	0.00
Spiked Amount						
			Recovery	=	102.24%	
35) Dibromofluoromethane	5.49	113	90990	51.45	ug/l	0.00
Spiked Amount						
			Recovery	=	102.90%	
50) Toluene-d8	8.71	98	358063	51.91	ug/l	0.00
Spiked Amount						
			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.14	95	123298	46.00	ug/l	0.00
Spiked Amount						
			Recovery	=	92.00%	

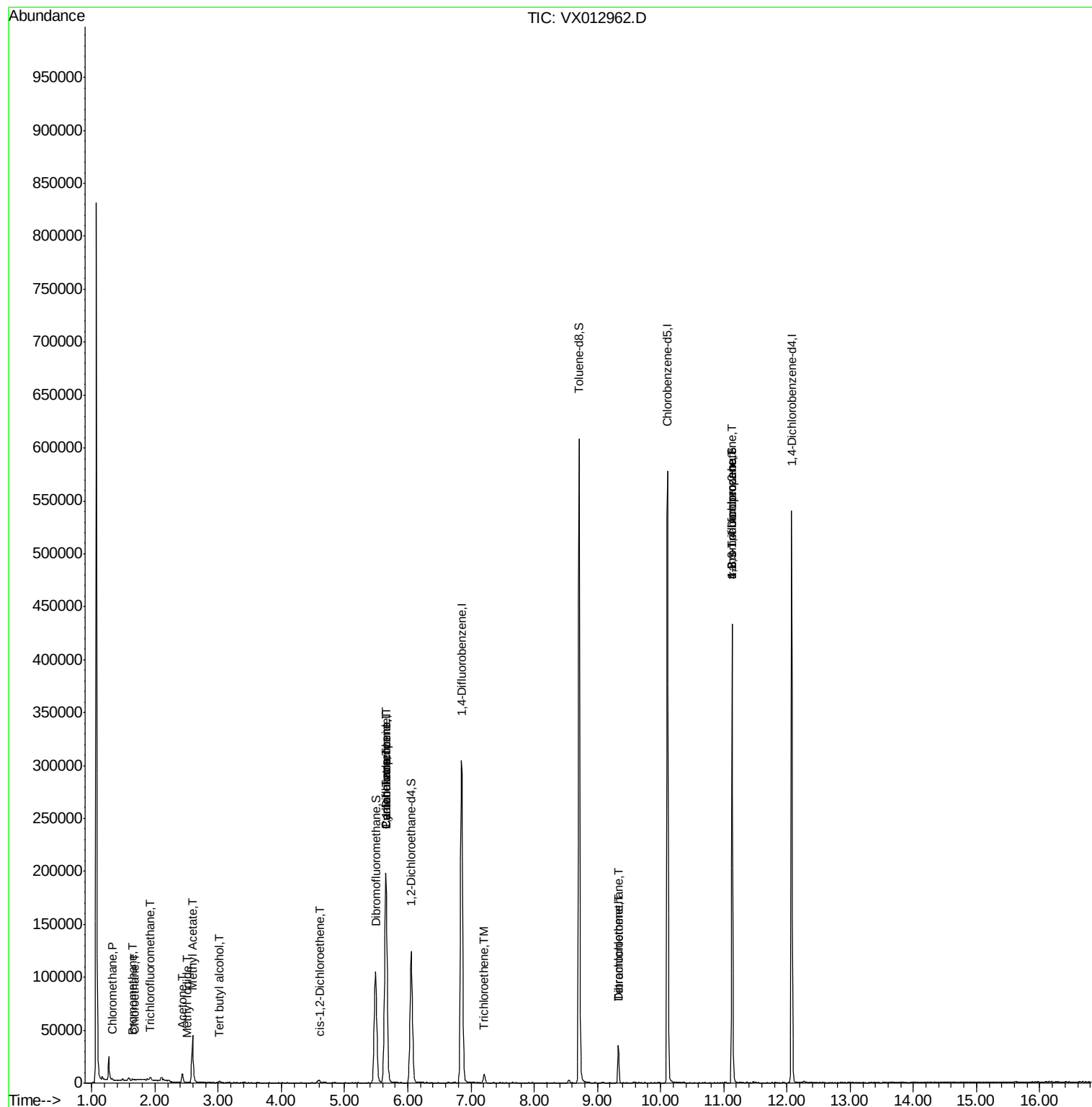
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	776	0.380	ug/l #	81
5) Bromomethane	1.65	94	398	0.454	ug/l	86
6) Chloroethane	1.67	64	203	0.524	ug/l #	78
7) Trichlorofluoromethane	1.92	101	1135	0.399	ug/l #	69
10) Methyl Iodide	2.50	142	321	5.220	ug/l #	72
11) Tert butyl alcohol	3.03	59	1472	2.412	ug/l #	83
16) Acetone	2.44	43	8981	7.401	ug/l	99
18) Methyl Acetate	2.59	43	12422	4.319	ug/l #	51
27) cis-1,2-Dichloroethene	4.60	96	1517	0.660	ug/l	97
31) Cyclohexane	5.65	56	3919	1.173	ug/l #	22
36) 1,1-Dichloropropene	5.65	75	14187	5.237	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19224	7.290	ug/l #	18
44) Trichloroethene	7.20	130	3246	1.463	ug/l	98
60) Dibromochloromethane	9.33	129	6208	4.508	ug/l #	10
64) Tetrachloroethene	9.33	164	6388	3.511	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	60745	26.385	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	60745	66.390	ug/l #	10

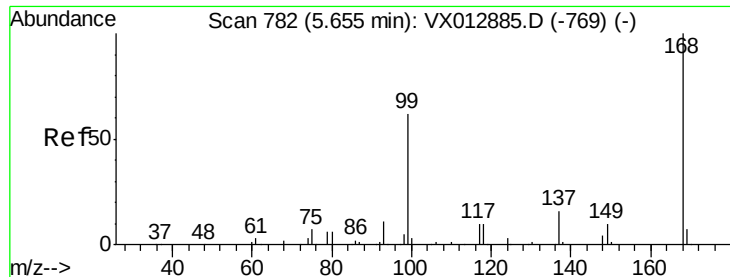
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 781

Delta R.T. -0.01 min

Lab File: VX012962.D

Acq: 09 Oct 2019 23:54

Instrument :

MSVOA_X

ClientSampleId :

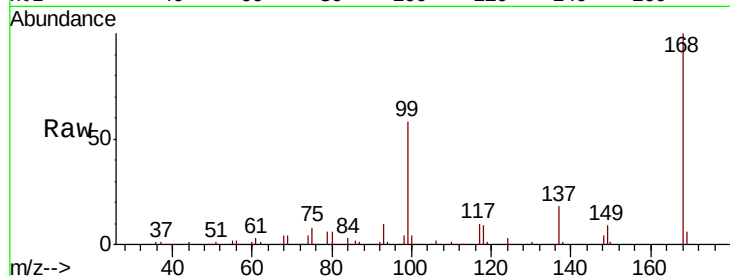
FA19-MMW0010

Tot Ion:168 Resp: 184186

Ion Ratio Lower Upper

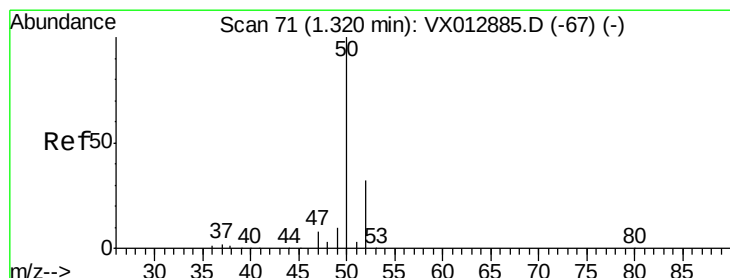
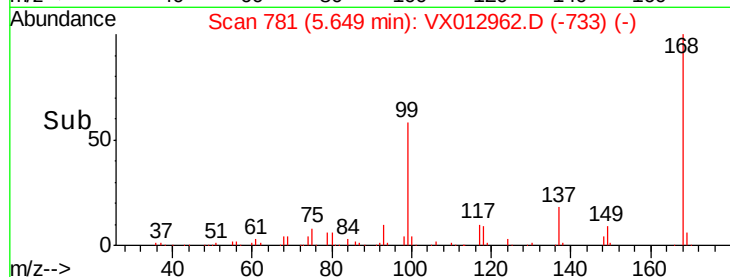
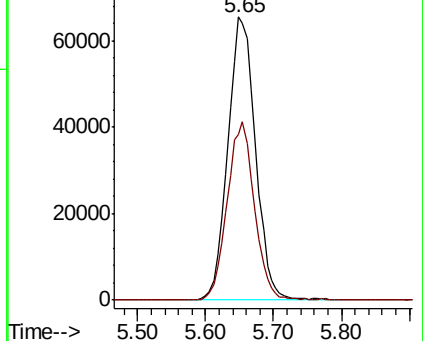
168 100

99 58.4 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.380 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012962.D

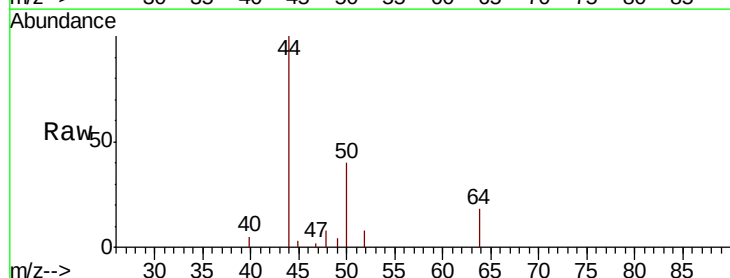
Acq: 09 Oct 2019 23:54

Tgt Ion: 50 Resp: 776

Ion Ratio Lower Upper

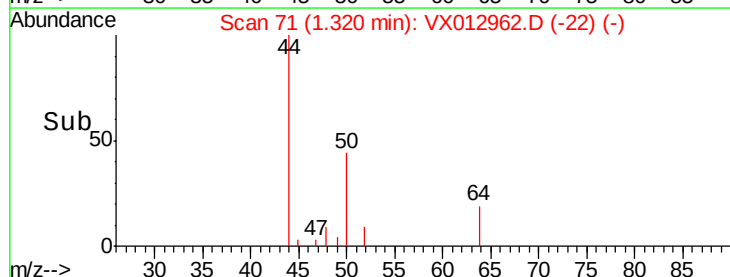
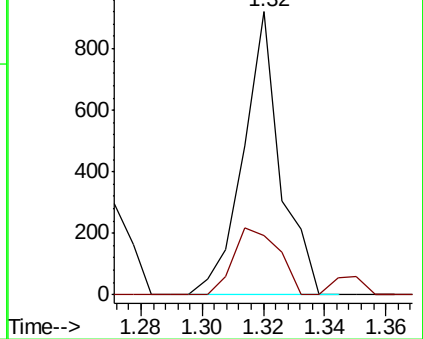
50 100

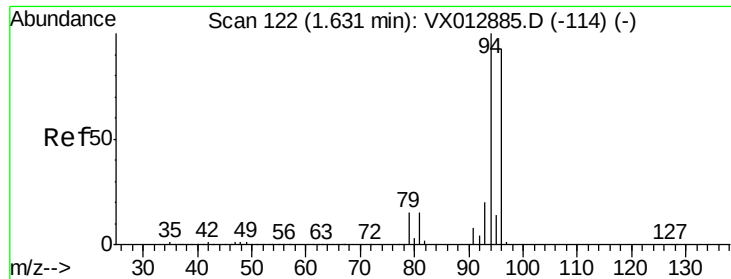
52 21.1 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.454 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012962.D

Acq: 09 Oct 2019 23:54

Instrument :

MSVOA_X

ClientSampled :

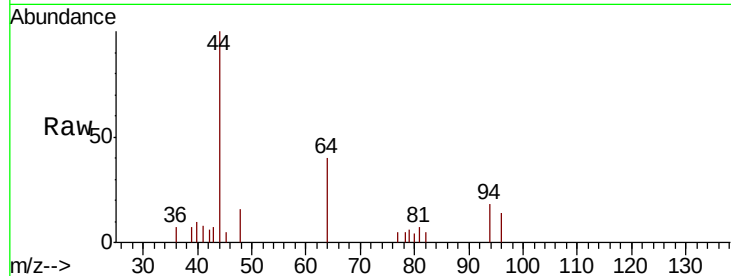
FA19-MMW0010

Tot Ion: 94 Resp: 398

Ion Ratio Lower Upper

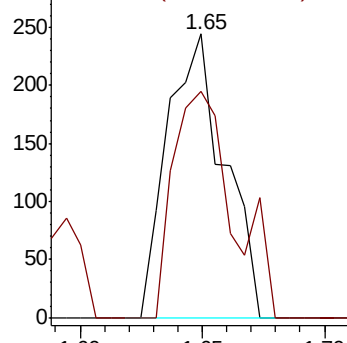
94 100

96 79.9 74.7 112.1

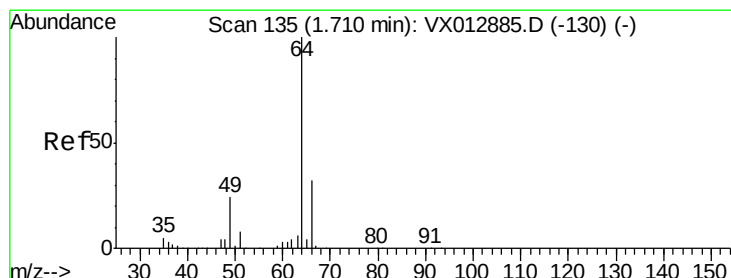
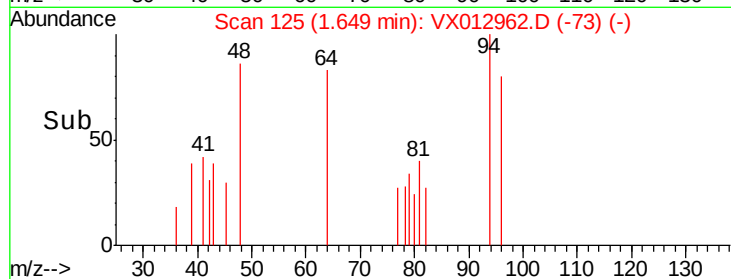


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.524 ug/l

RT: 1.67 min Scan# 128

Delta R.T. -0.04 min

Lab File: VX012962.D

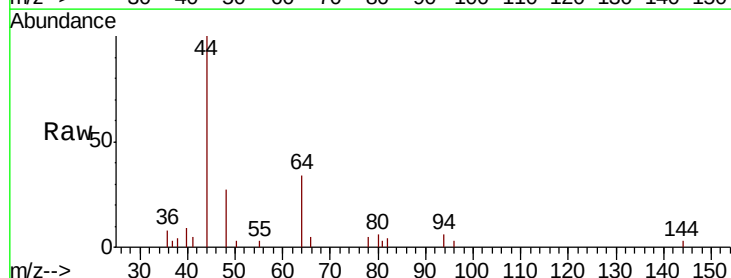
Acq: 09 Oct 2019 23:54

Tgt Ion: 64 Resp: 203

Ion Ratio Lower Upper

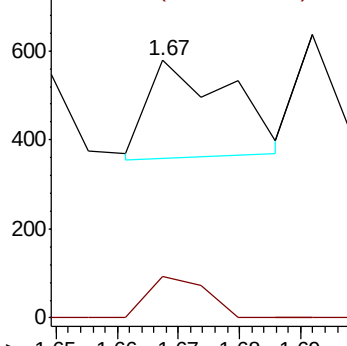
64 100

66 44.0 25.6 38.4#

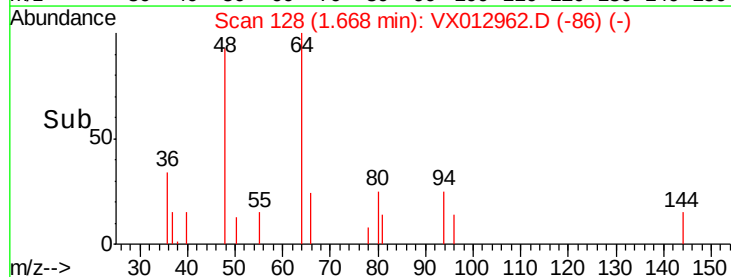


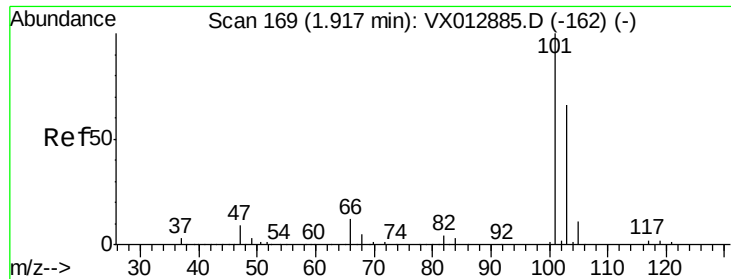
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



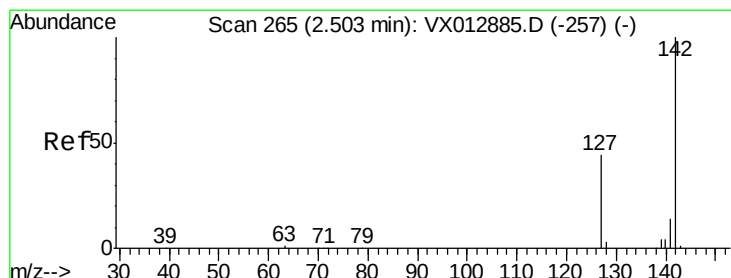
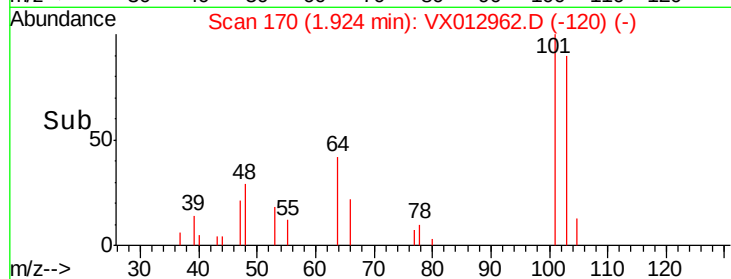
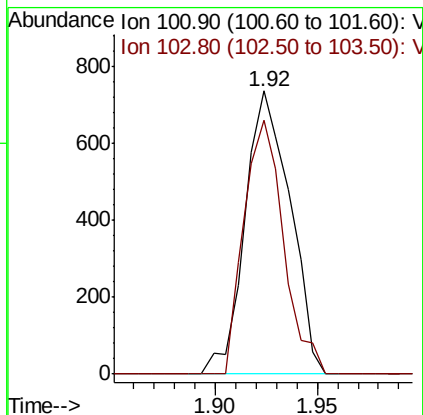
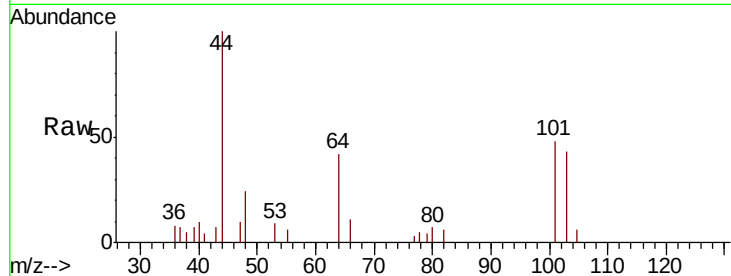


#7

Trichlorofluoromethane
 Concen: 0.399 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX012962.D
 Acq: 09 Oct 2019 23:54

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010

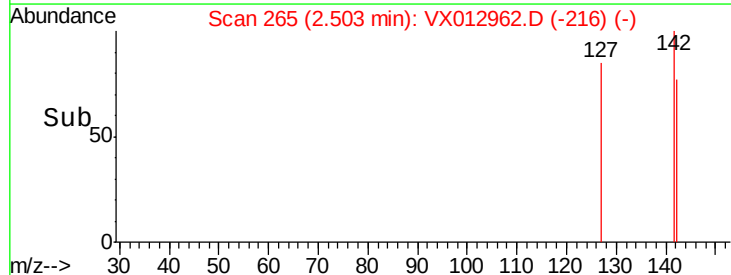
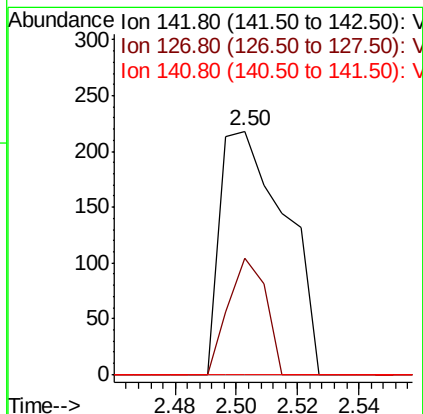
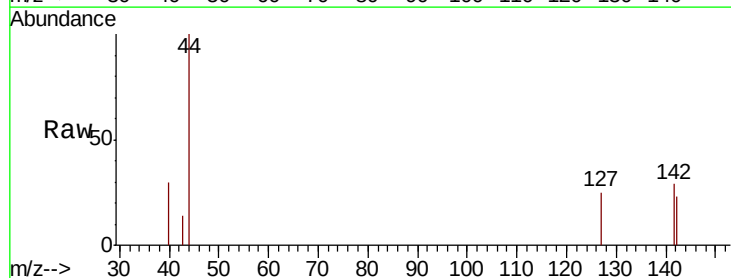
Tot Ion:101 Resp: 1135
 Ion Ratio Lower Upper
 101 100
 103 89.9 52.5 78.7#

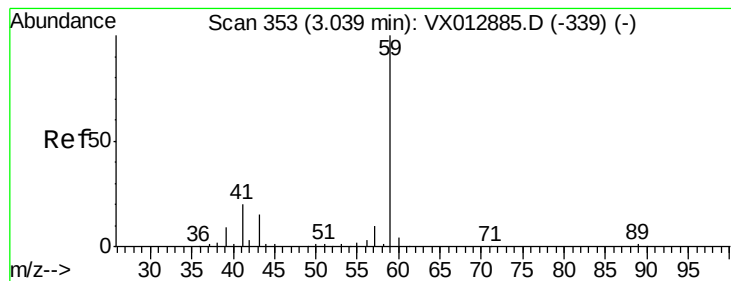


#10

Methyl Iodide
 Concen: 5.220 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.00 min
 Lab File: VX012962.D
 Acq: 09 Oct 2019 23:54

Tgt Ion:142 Resp: 321
 Ion Ratio Lower Upper
 142 100
 127 27.4 34.9 52.3#
 141 0.0 11.6 17.4#



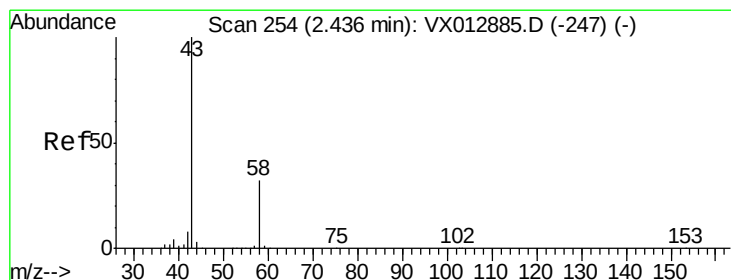
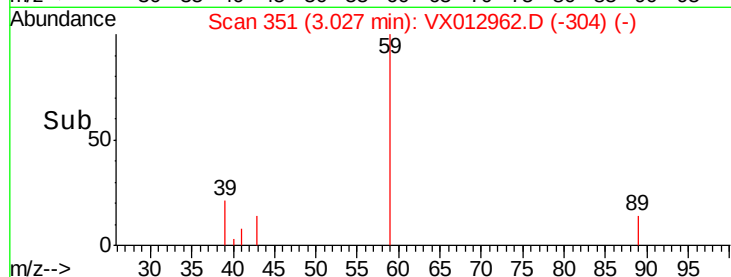
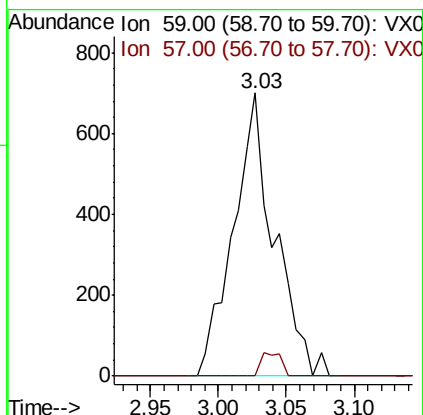
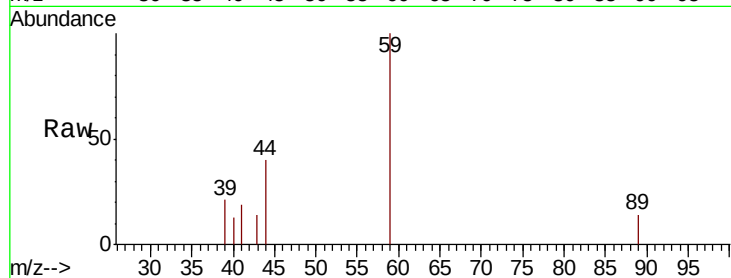


#11

Tert butyl alcohol
 Concen: 2.412 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012962.D
 Acq: 09 Oct 2019 23:54

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010

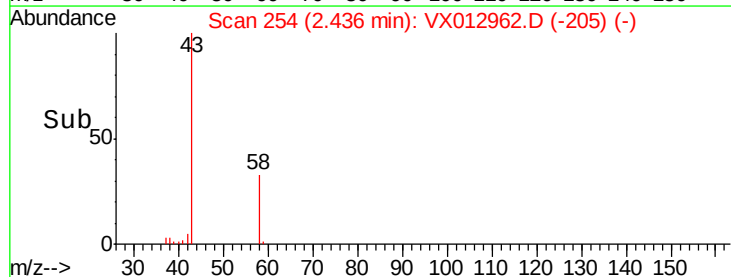
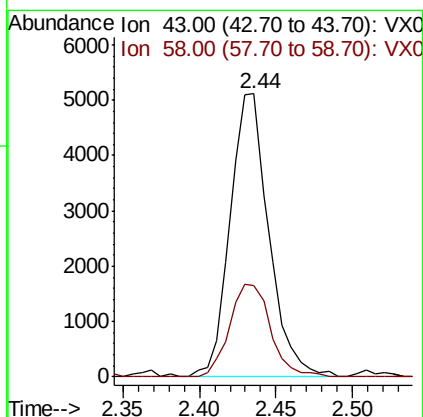
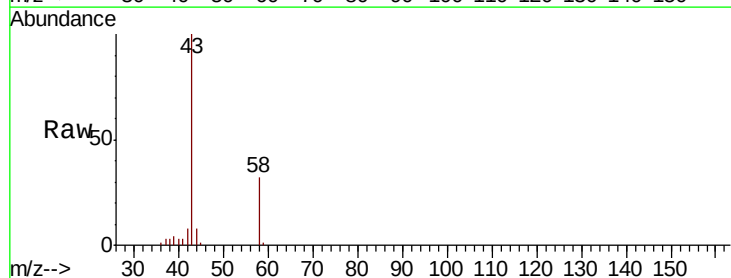
Tot Ion: 59 Resp: 1472
 Ion Ratio Lower Upper
 59 100
 57 4.1 8.3 12.5#

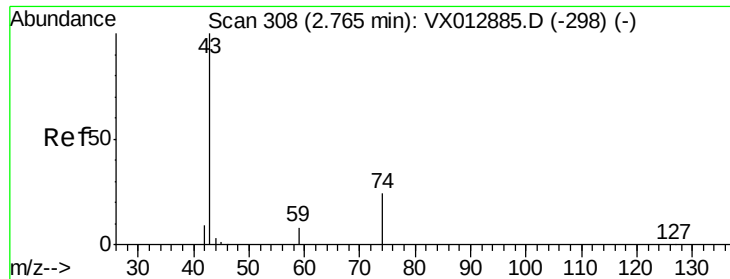


#16

Acetone
 Concen: 7.401 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VX012962.D
 Acq: 09 Oct 2019 23:54

Tgt Ion: 43 Resp: 8981
 Ion Ratio Lower Upper
 43 100
 58 32.3 25.4 38.2

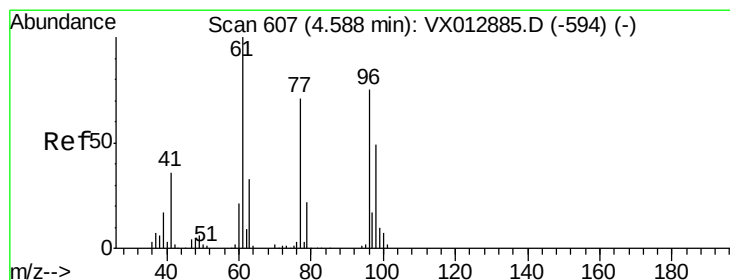
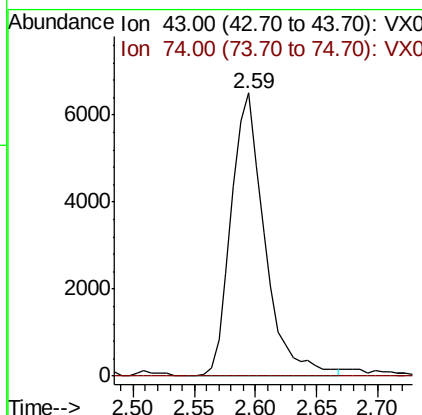
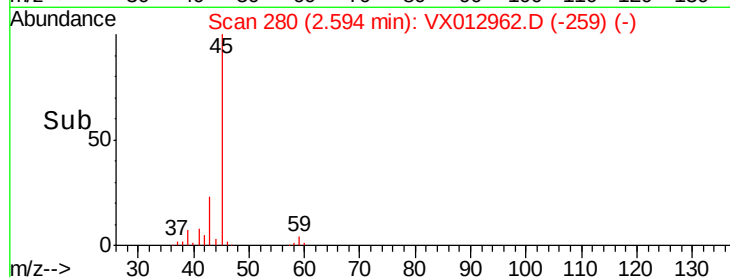
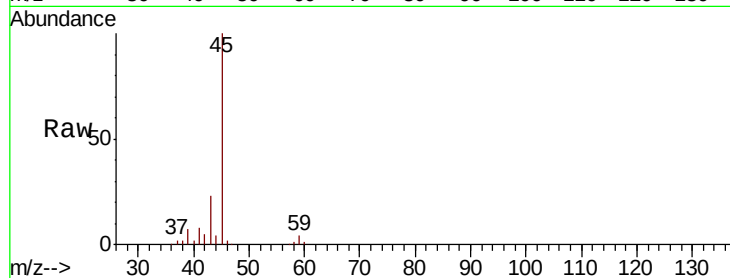




#18
Methvl Acetate
Concen: 4.319 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012962.D
Acq: 09 Oct 2019 23:54

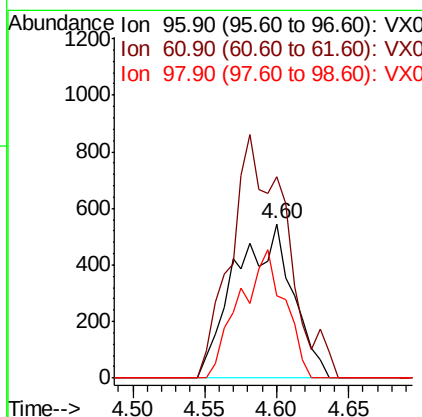
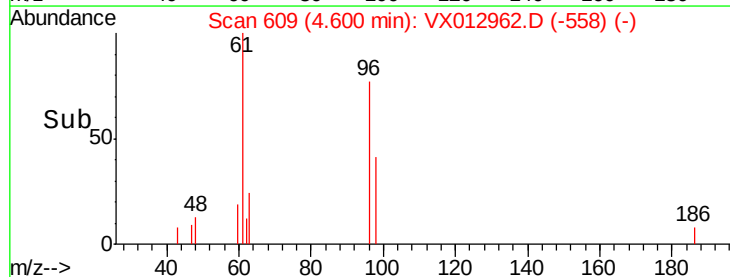
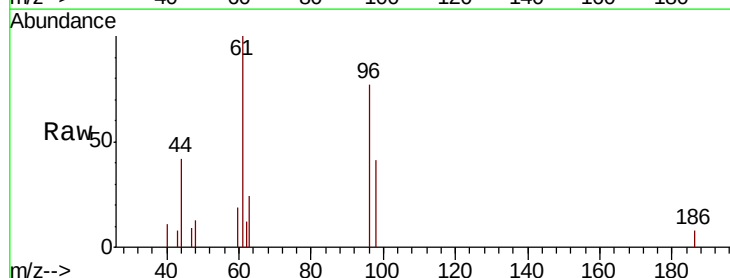
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010

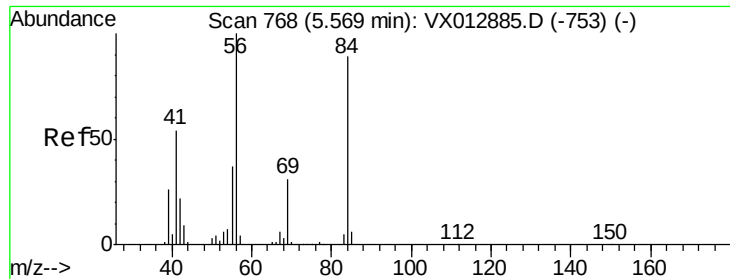
Tot Ion: 43 Resp: 12422
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#27
cis-1,2-Dichloroethene
Concen: 0.660 ug/l
RT: 4.60 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX012962.D
Acq: 09 Oct 2019 23:54

Tgt Ion: 96 Resp: 1517
Ion Ratio Lower Upper
96 100
61 150.6 0.0 290.6
98 65.4 0.0 128.8

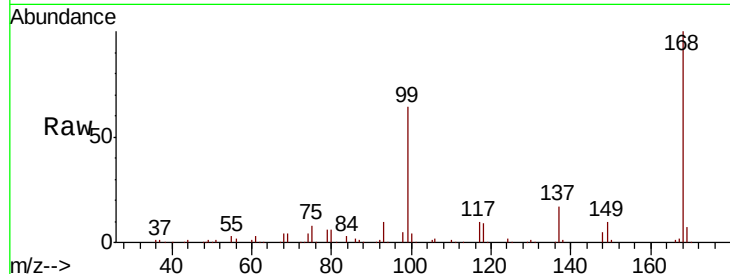




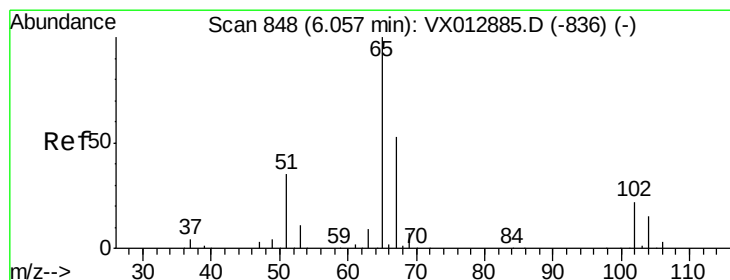
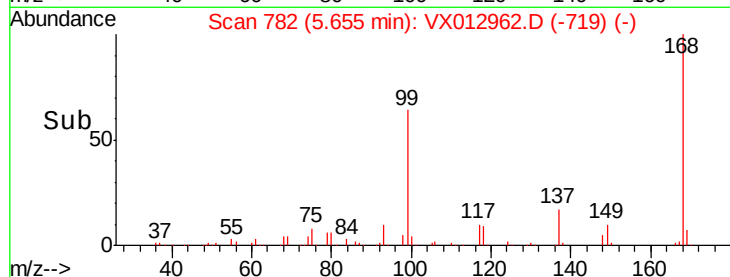
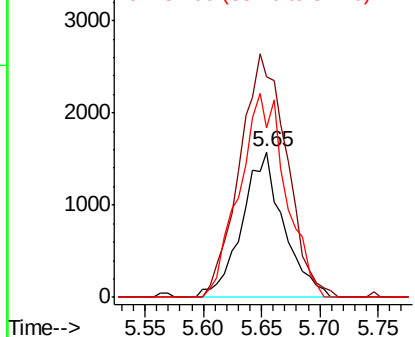
#31
Cyclohexane
Concen: 1.173 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012962.D
Acq: 09 Oct 2019 23:54

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010

Tot Ion: 56 Resp: 3919
Ion Ratio Lower Upper
56 100
69 151.5 25.2 37.8#
84 116.2 71.3 106.9#

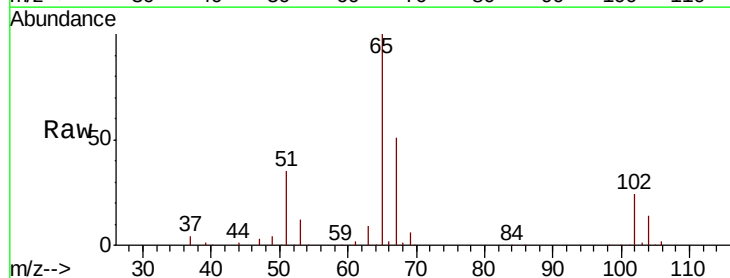


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

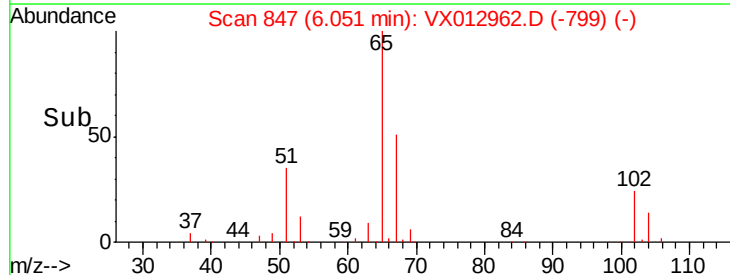
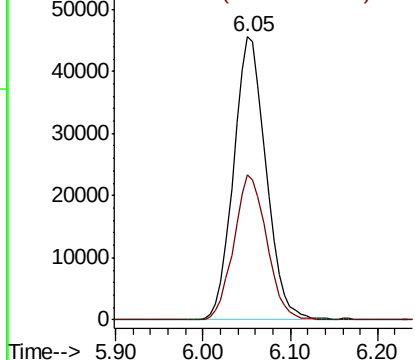


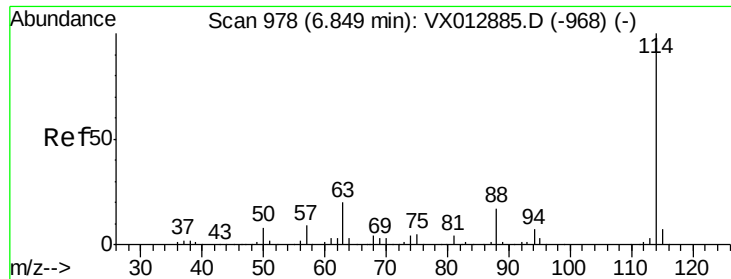
#33
1,2-Dichloroethane-d4
Concen: 51.115 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX012962.D
Acq: 09 Oct 2019 23:54

Tgt Ion: 65 Resp: 117672
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.4



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

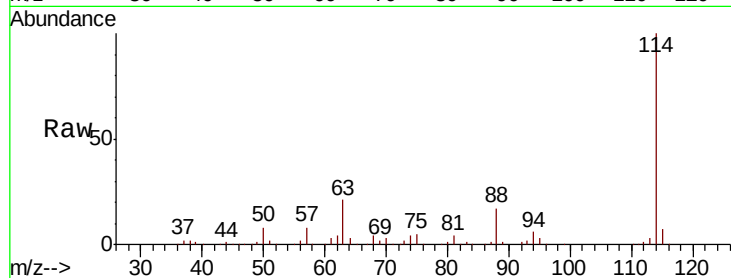




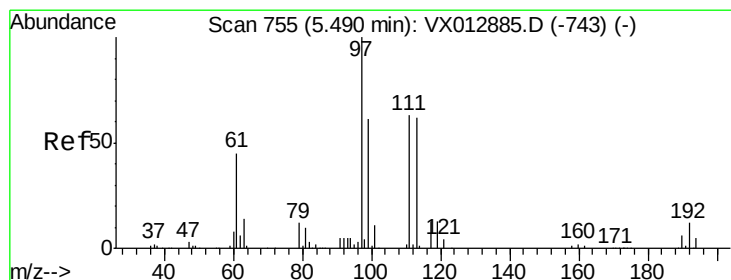
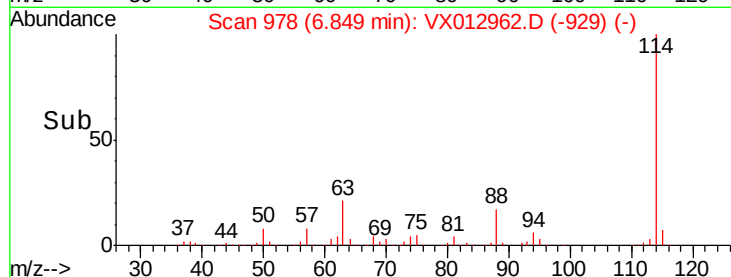
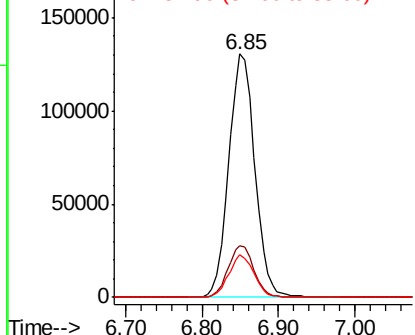
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012962.D
Acq: 09 Oct 2019 23:54

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0010

Tot Ion:114 Resp: 308136
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 17.4 0.0 33.8

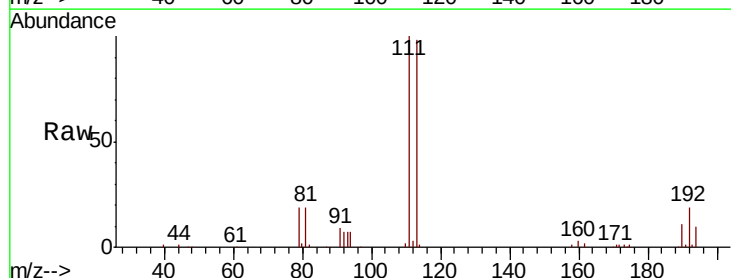


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

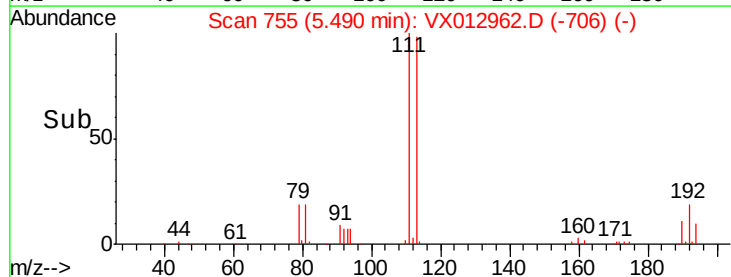
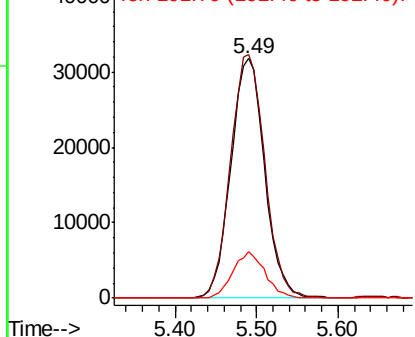


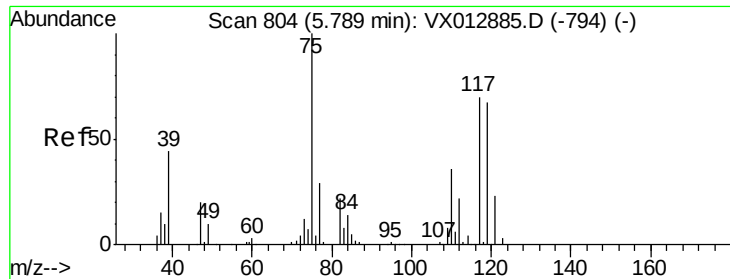
#35
Dibromofluoromethane
Concen: 51.449 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012962.D
Acq: 09 Oct 2019 23:54

Tgt Ion:113 Resp: 90990
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 18.6 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

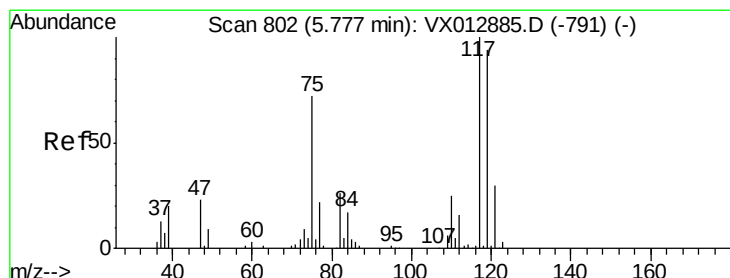
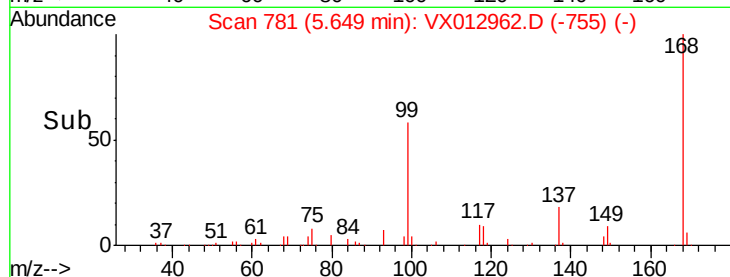
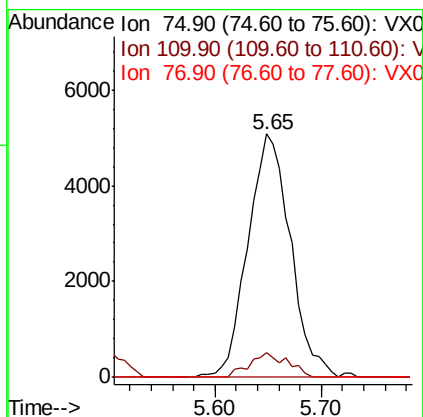
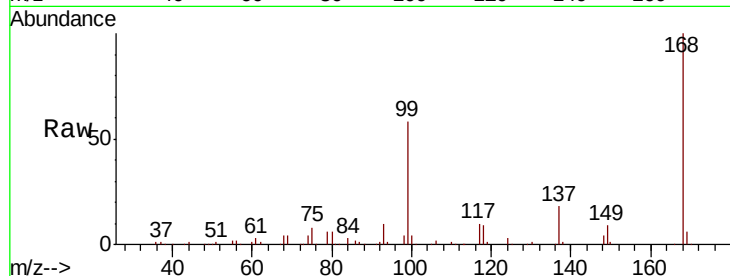




#36
 1,1-Dichloropropene
 Concen: 5.237 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012962.D
 Acq: 09 Oct 2019 23:54

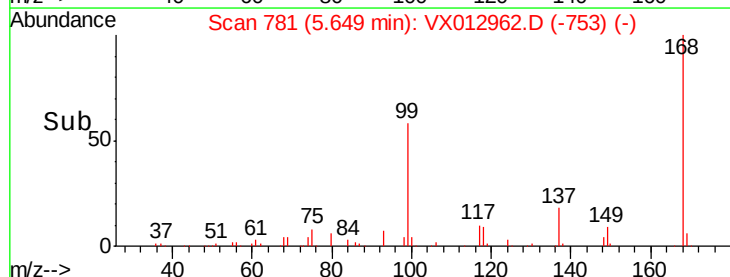
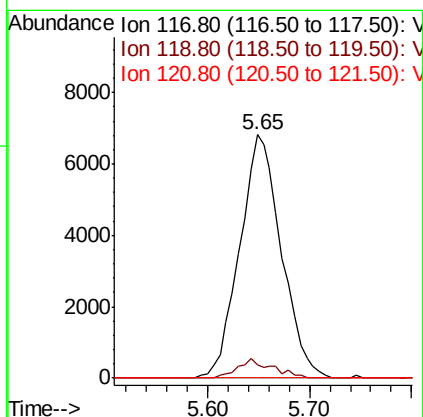
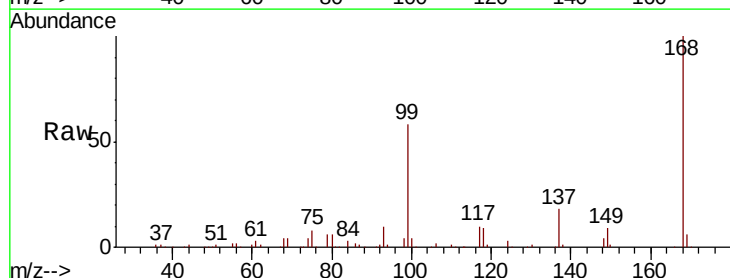
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010

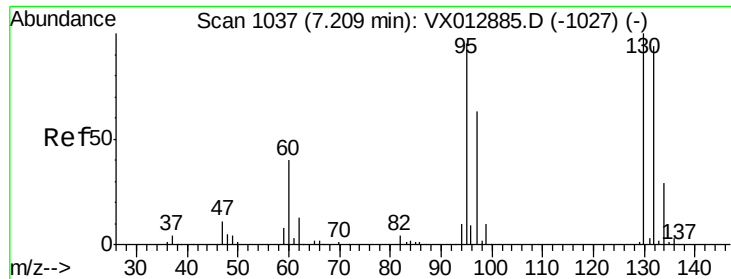
Tot Ion: 75 Resp: 14187
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.6 52.9#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 7.290 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012962.D
 Acq: 09 Oct 2019 23:54

Tgt Ion: 117 Resp: 19224
 Ion Ratio Lower Upper
 117 100
 119 5.7 74.5 111.7#
 121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 1.463 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX012962.D

Acq: 09 Oct 2019 23:54

Instrument :

MSVOA_X

ClientSampleId :

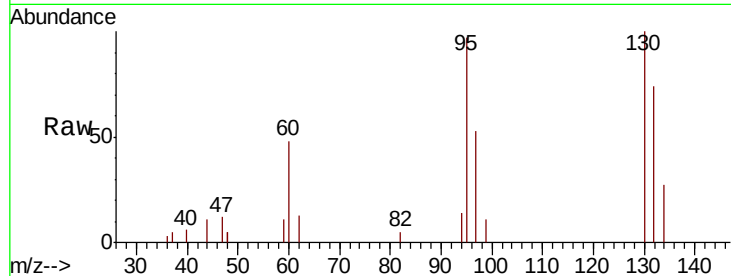
FA19-MMW0010

Tot Ion:130 Resp: 3246

Ion Ratio Lower Upper

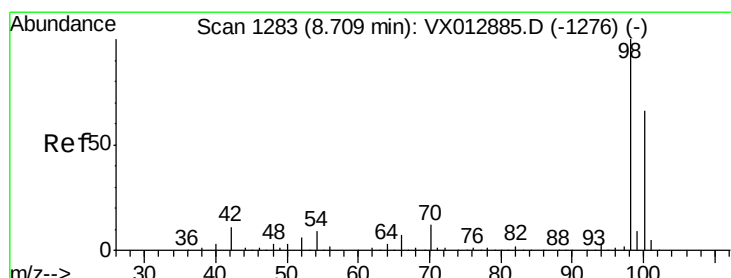
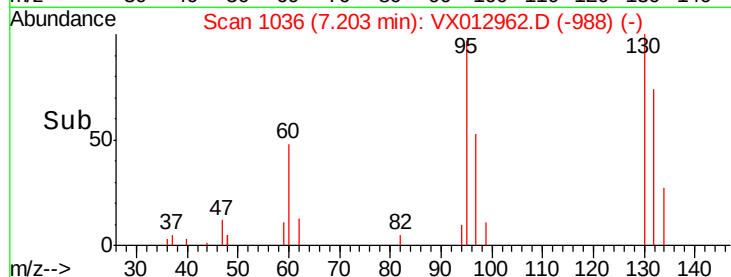
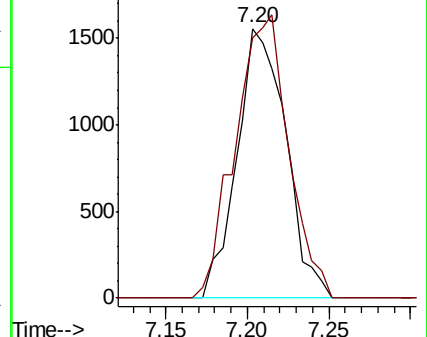
130 100

95 96.6 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VX012885.D (-1027) (-)

Ion 94.90 (94.60 to 95.60): VX012885.D (-1027) (-)



#50

Toluene-d8

Concen: 51.910 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012962.D

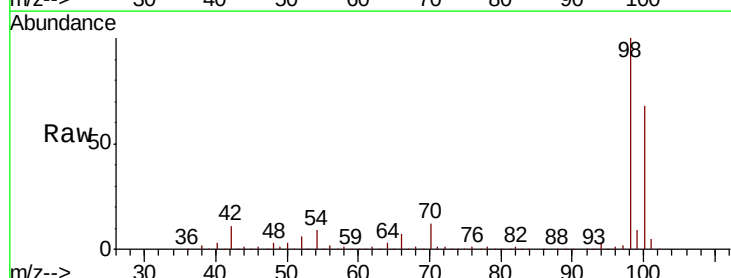
Acq: 09 Oct 2019 23:54

Tgt Ion: 98 Resp: 358063

Ion Ratio Lower Upper

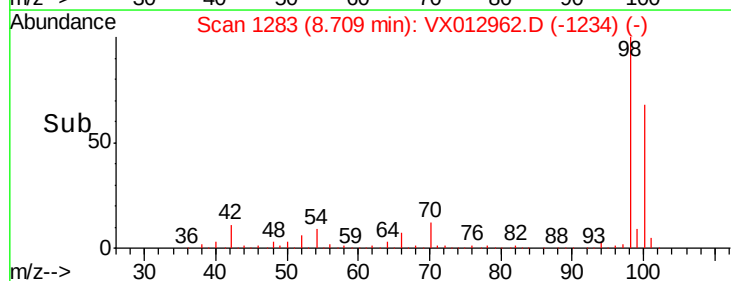
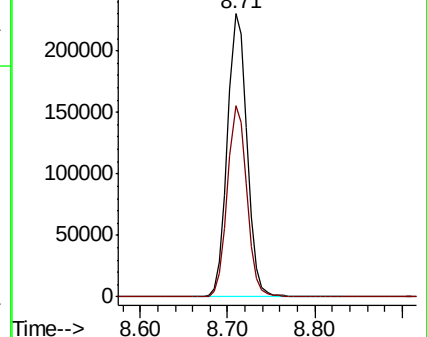
98 100

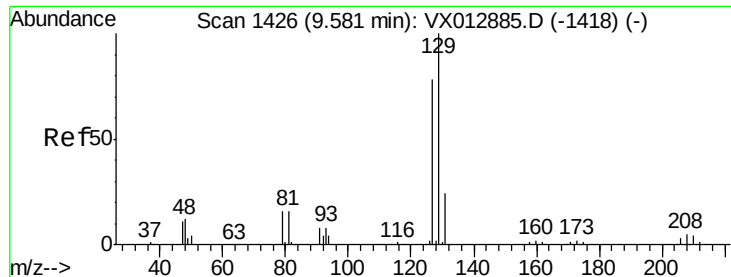
100 66.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX012885.D (-1276) (-)

Ion 100.00 (99.70 to 100.70): VX012885.D (-1276) (-)

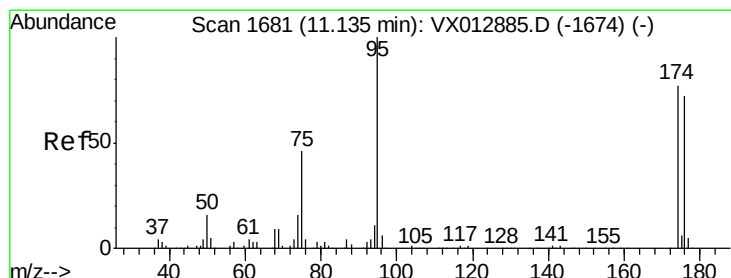
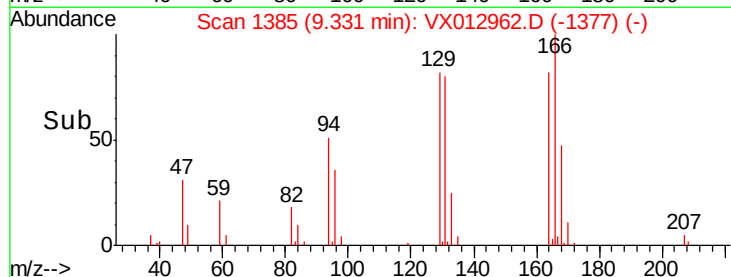
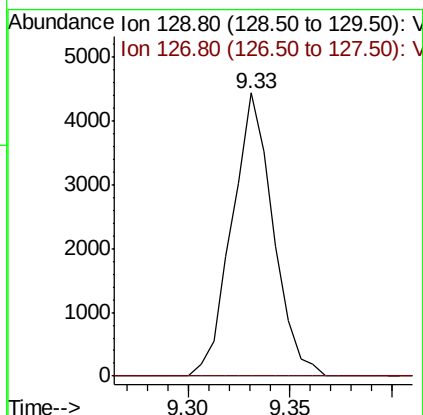
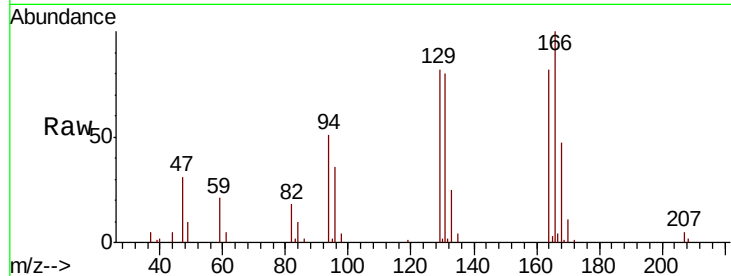




#60
 Dibromochloromethane
 Concen: 4.508 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.25 min
 Lab File: VX012962.D
 Acq: 09 Oct 2019 23:54

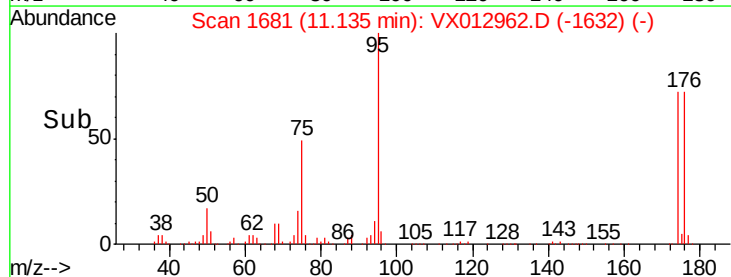
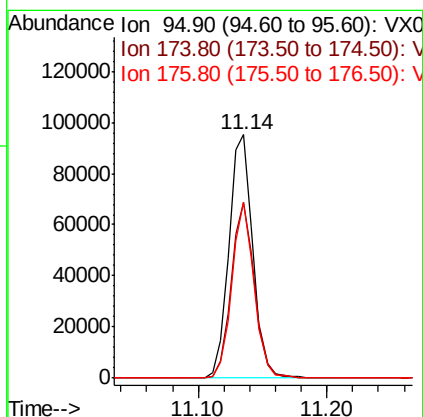
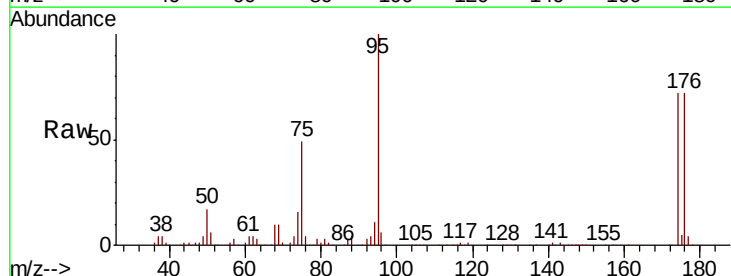
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0010

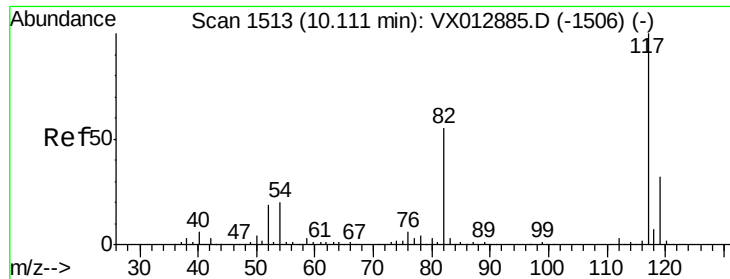
Tot Ion:129 Resp: 6208
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#



#62
 4-Bromofluorobenzene
 Concen: 46.004 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012962.D
 Acq: 09 Oct 2019 23:54

Tgt Ion: 95 Resp: 123298
 Ion Ratio Lower Upper
 95 100
 174 70.7 0.0 143.4
 176 67.5 0.0 136.0

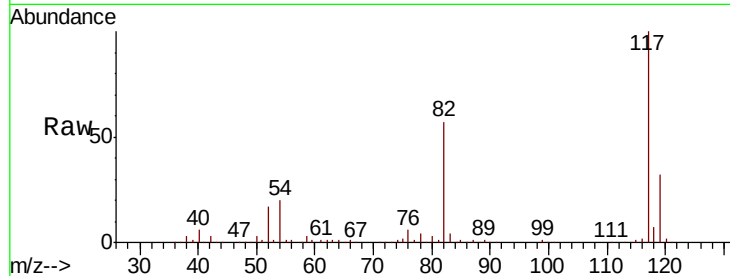




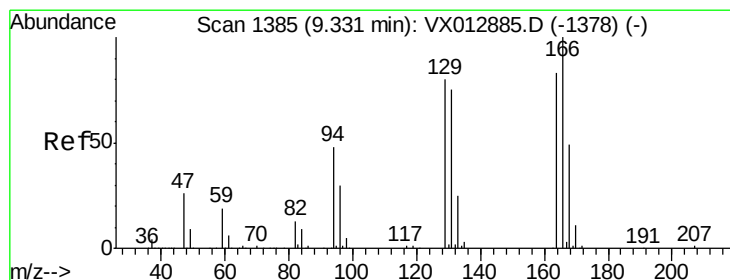
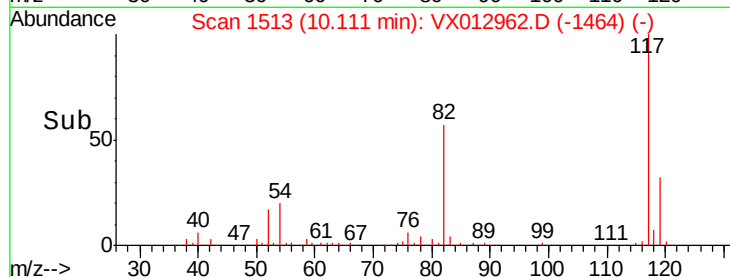
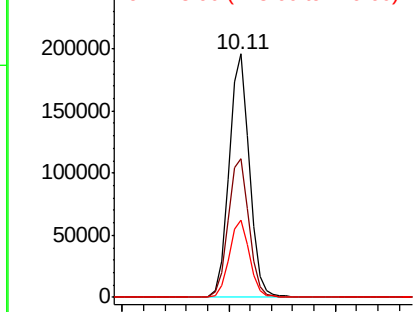
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012962.D
Acq: 09 Oct 2019 23:54

Instrument :
MSVOA_X
ClientSampled :
FA19-MMW0010

Tot Ion:117 Resp: 262292
Ion Ratio Lower Upper
117 100
82 57.2 44.1 66.1
119 31.8 25.8 38.8



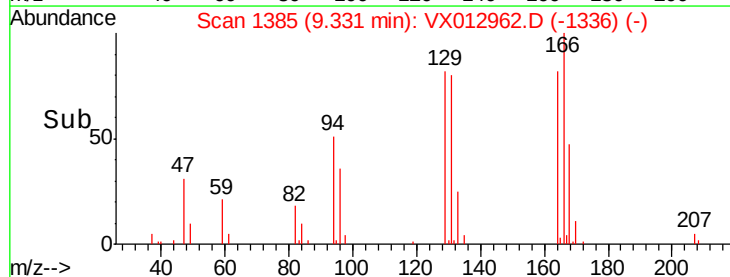
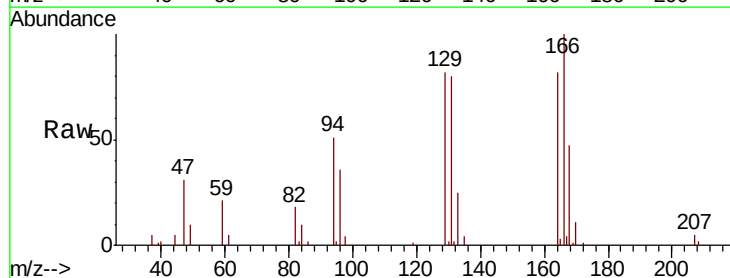
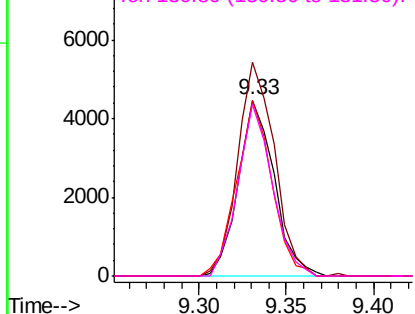
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

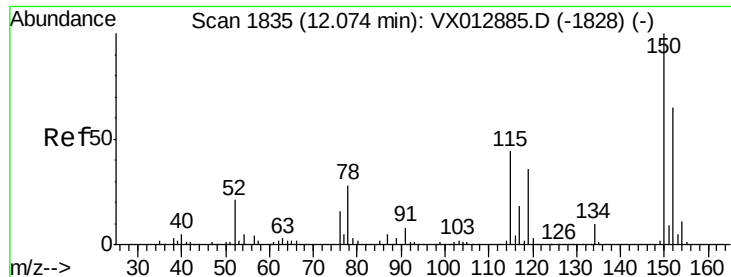


#64
Tetrachloroethene
Concen: 3.511 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012962.D
Acq: 09 Oct 2019 23:54

Tgt Ion:164 Resp: 6388
Ion Ratio Lower Upper
164 100
166 121.8 96.9 145.3
129 99.6 77.9 116.9
131 97.5 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012962.D

Acq: 09 Oct 2019 23:54

Instrument :

MSVOA_X

ClientSampled :

FA19-MMW0010

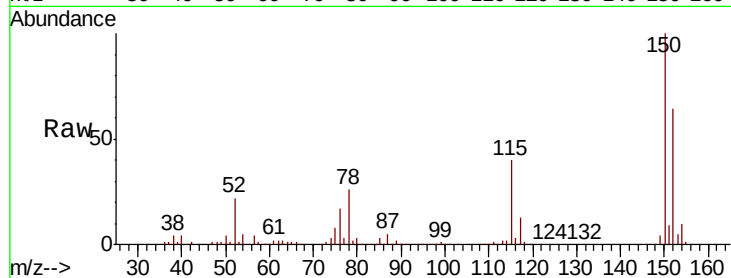
Tot Ion:152 Resp: 103800

Ion Ratio Lower Upper

152 100

115 64.0 44.5 133.5

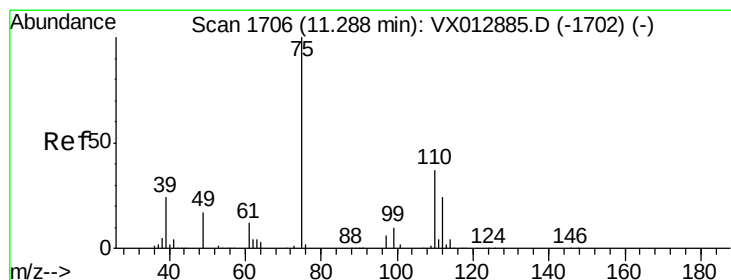
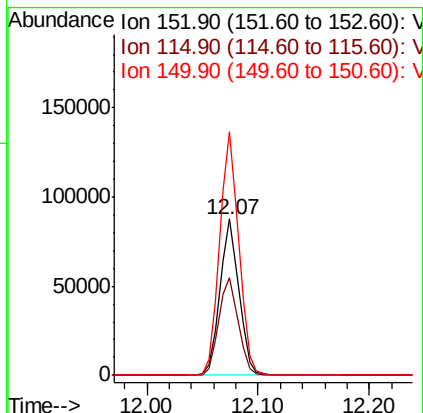
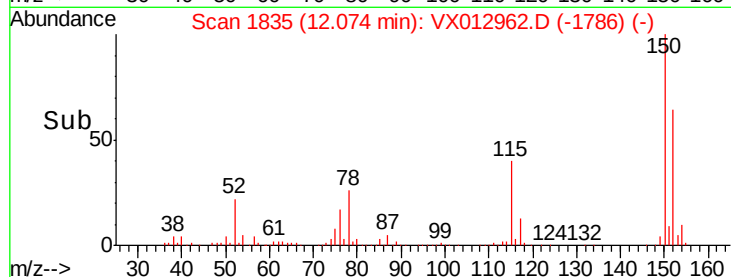
150 157.1 0.0 353.4



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



#76

1,2,3-Trichloropropane

Concen: 26.385 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012962.D

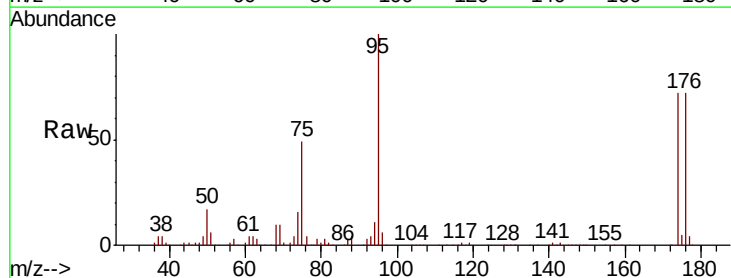
Acq: 09 Oct 2019 23:54

Tgt Ion: 75 Resp: 60745

Ion Ratio Lower Upper

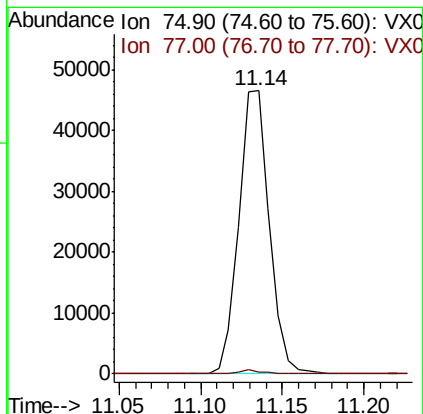
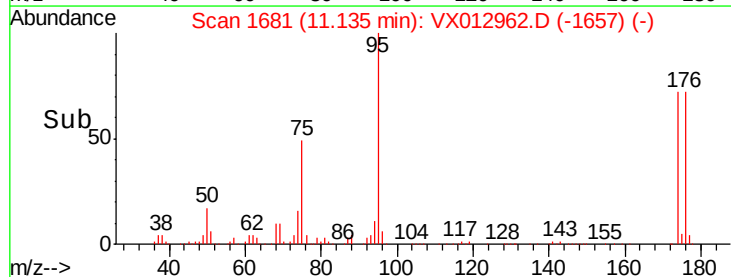
75 100

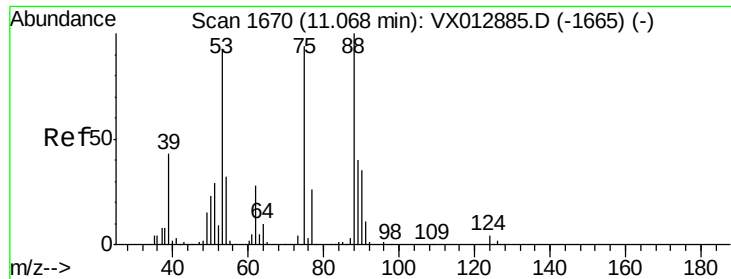
77 1.1 22.9 68.8#



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: 66.390 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012962.D

Acq: 09 Oct 2019 23:54

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0010

Tot Ion: 75 Resp: 60745

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 37.4 56.2#

