

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020520\
 Data File : VX014813.D
 Acq On : 05 Feb 2020 11:16
 Operator : JC/SP
 Sample : VX0205WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 06 03:03:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	70928	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	374840	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	335522	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	159441	31.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.60%
60) 4-Bromofluorobenzene	11.13	95	140440	26.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.20%
63) Toluene-d8	8.71	98	447957	29.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.53%

Target Compounds

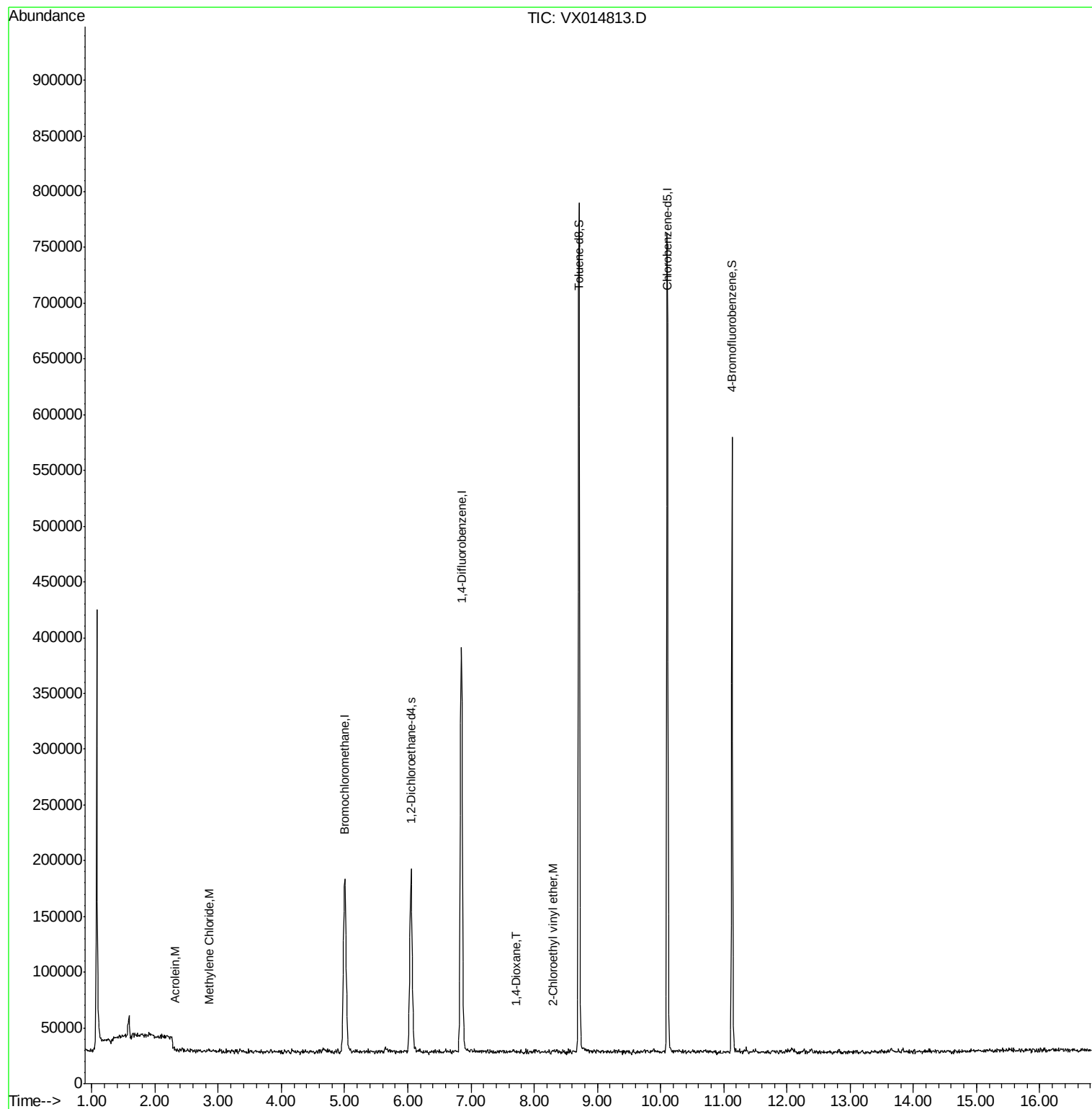
					Ovalue
13) Acrolein	2.31	56	160	0.215 ug/l	96
18) Methylene Chloride	2.85	84	1176	0.256 ug/l #	75
45) 1,4-Dioxane	7.72	88	107	1.052 ug/l #	1
55) 2-Chloroethyl vinyl ether	8.30	63	671	0.217 ug/l #	40

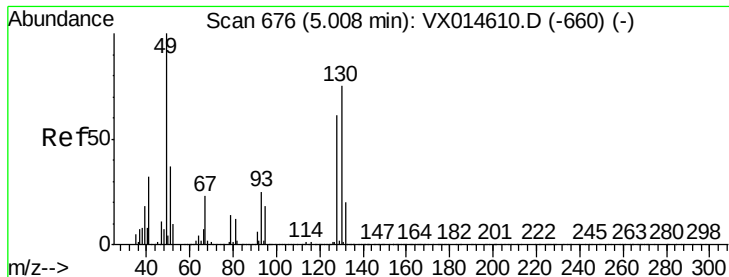
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX014813.D

Acq: 05 Feb 2020 11:16

Instrument :
MSVOA_X
ClientSampled :

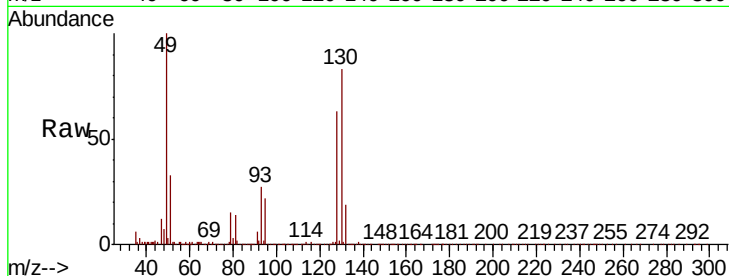
Tot Ion:128 Resp: 70928

Ion Ratio Lower Upper

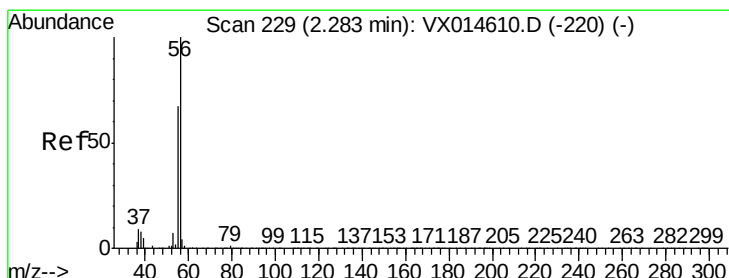
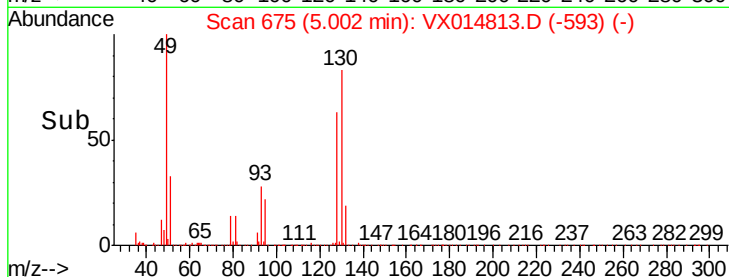
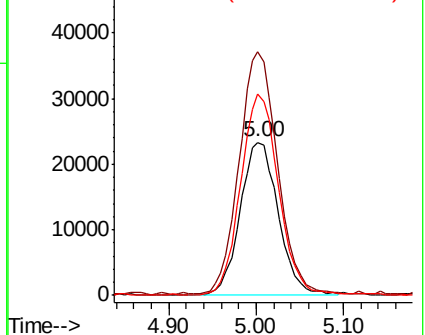
128 100

49 160.1 0.0 405.0

130 130.3 0.0 321.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



#13

Acrolein

Concen: 0.215 ug/l

RT: 2.31 min Scan# 234

Delta R.T. 0.03 min

Lab File: VX014813.D

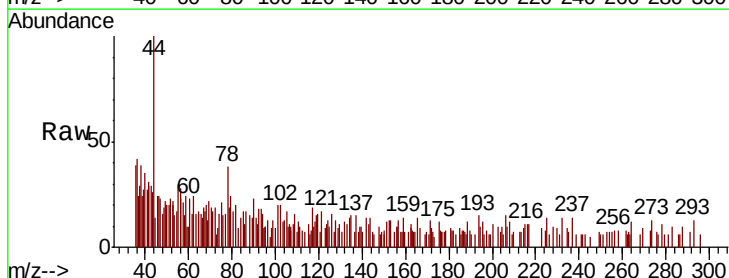
Acq: 05 Feb 2020 11:16

Tgt Ion: 56 Resp: 160

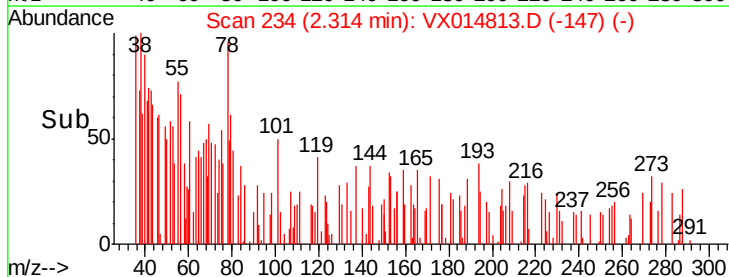
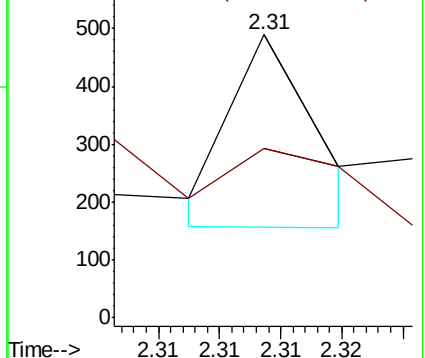
Ion Ratio Lower Upper

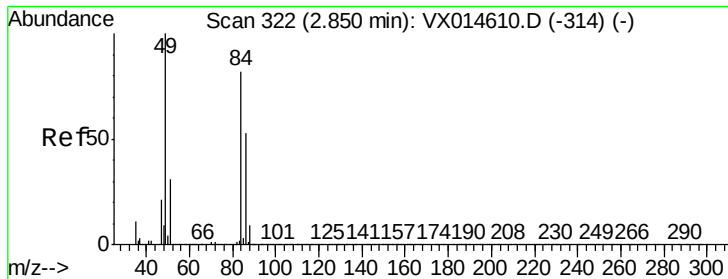
56 100

55 65.0 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0

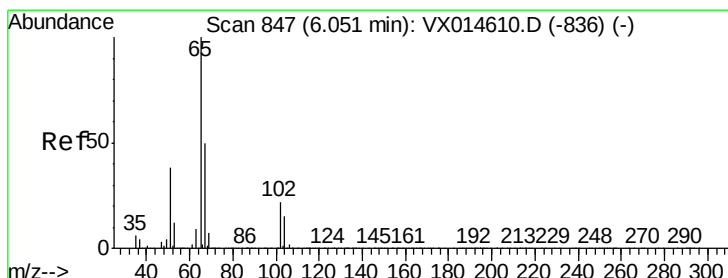
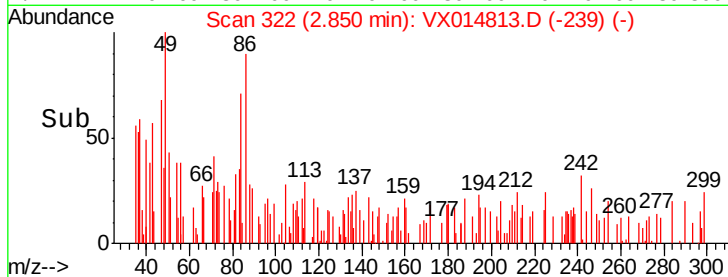
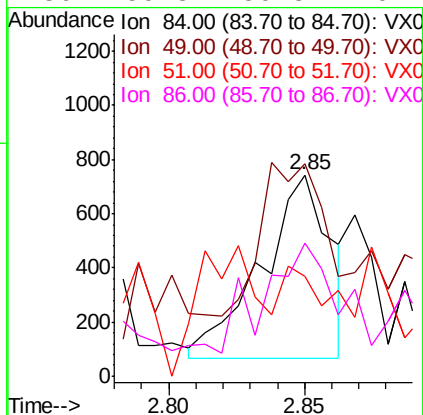
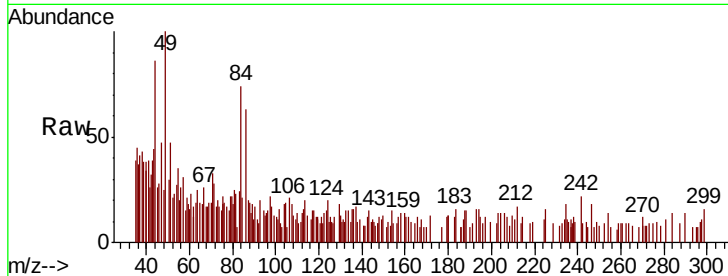




#18
Methylene Chloride
Concen: 0.256 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014813.D
Acq: 05 Feb 2020 11:16

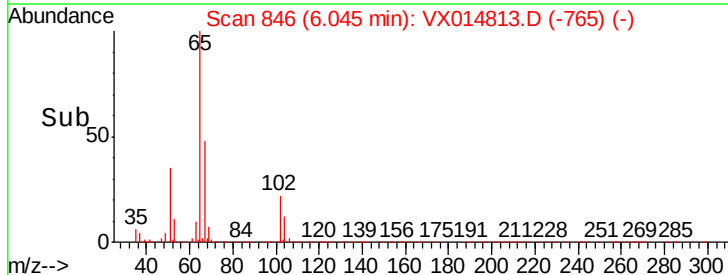
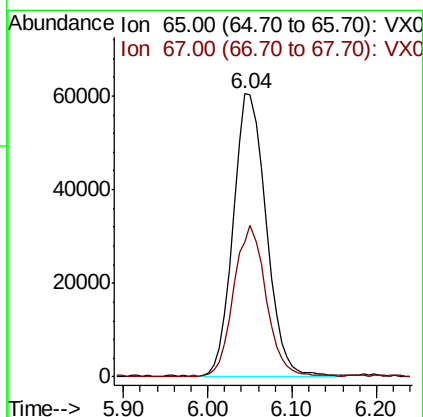
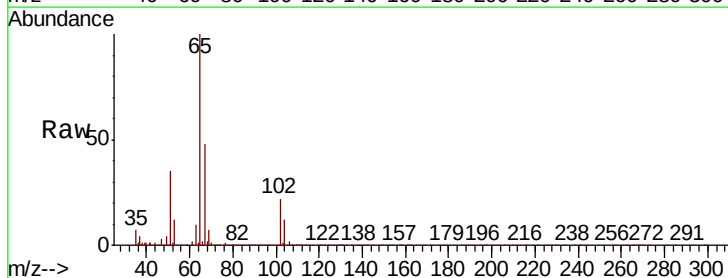
Instrument :
MSVOA_X
ClientSampleId :

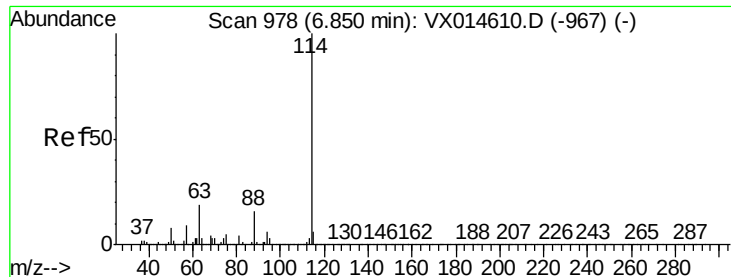
Tot Ion: 84 Resp: 1176
Ion Ratio Lower Upper
84 100
49 86.6 102.2 153.2#
51 27.4 31.4 47.0#
86 59.3 50.8 76.2



#27
1,2-Dichloroethane-d4
Concen: 31.981 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX014813.D
Acq: 05 Feb 2020 11:16

Tgt Ion: 65 Resp: 159441
Ion Ratio Lower Upper
65 100
67 52.5 43.1 64.7

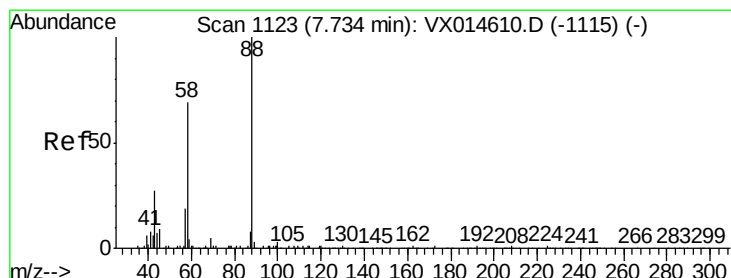
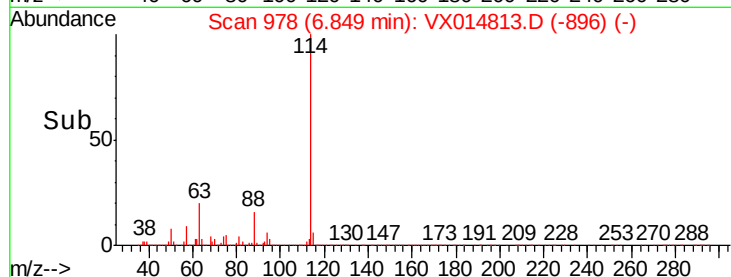
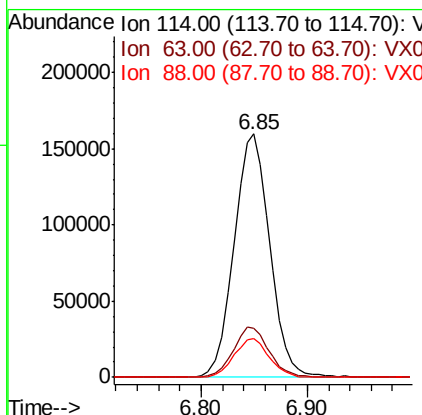
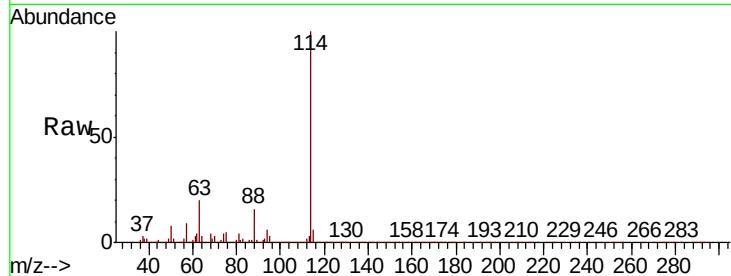




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014813.D
 Acq: 05 Feb 2020 11:16

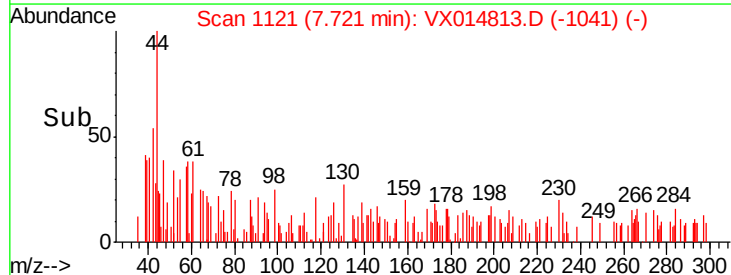
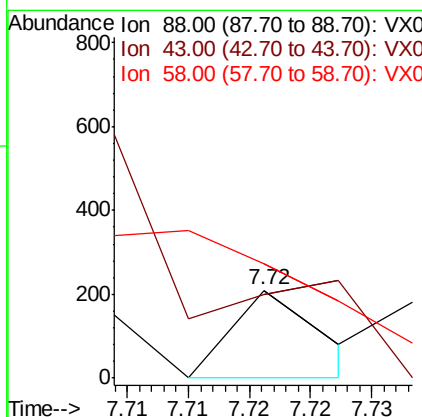
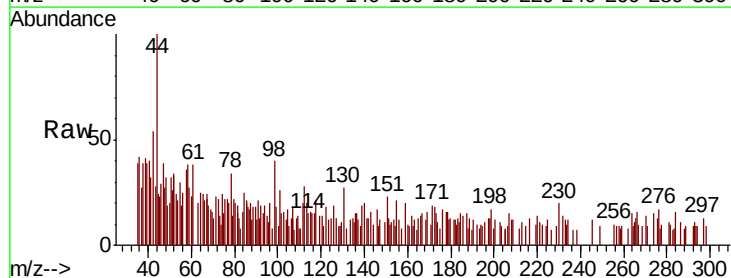
Instrument :
 MSVOA_X
 ClientSampleId :

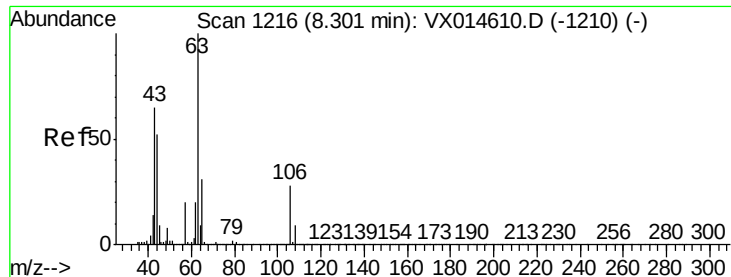
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	16.1	24.1
88	15.6	12.5	18.7



#45
 1,4-Dioxane
 Concen: 1.052 ug/l
 RT: 7.72 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: VX014813.D
 Acq: 05 Feb 2020 11:16

Tgt Ion	Ratio	Lower	Upper
88	100		
43	147.7	25.4	38.2#
58	421.5	56.5	84.7#

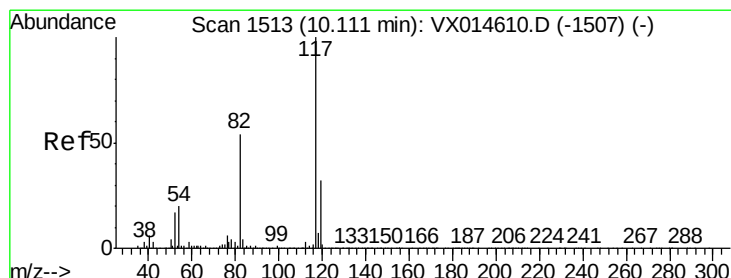
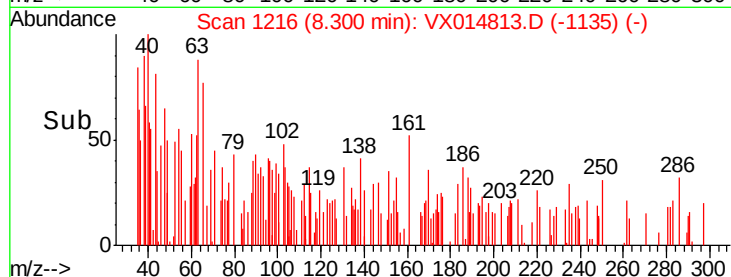
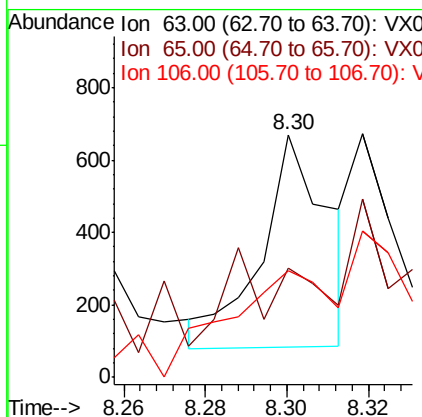
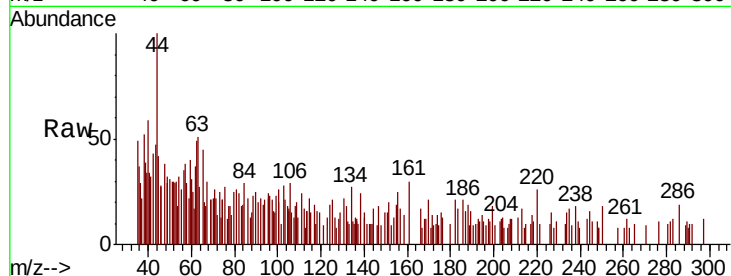




#55
2-Chloroethyl vinyl ether
Concen: 0.217 ug/l
RT: 8.30 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VX014813.D
Acq: 05 Feb 2020 11:16

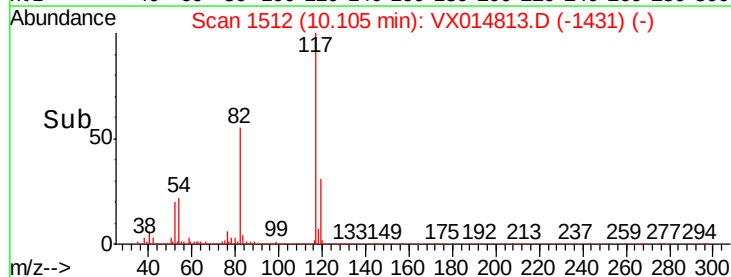
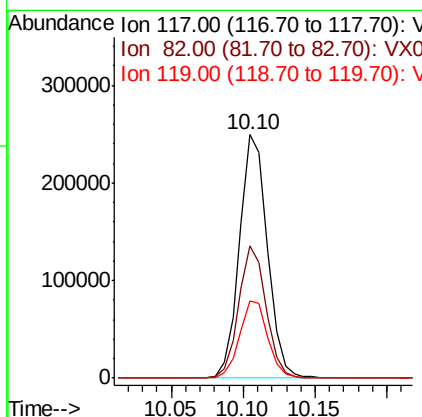
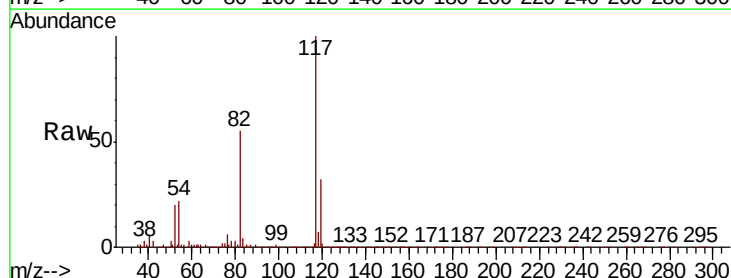
Instrument :
MSVOA_X
ClientSampled :

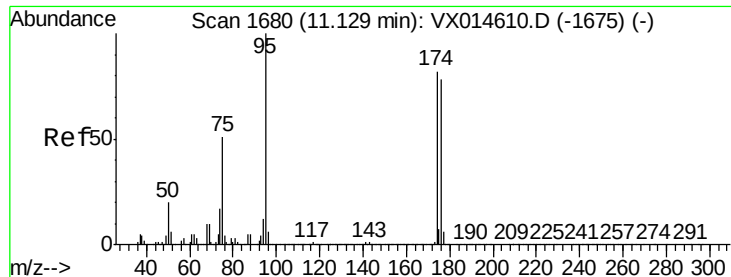
Tot Ion	Ratio	Lower	Upper
63	100		
65	15.1	25.8	38.6#
106	78.4	22.9	34.3#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014813.D
Acq: 05 Feb 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.8	65.6
119	31.7	25.8	38.6

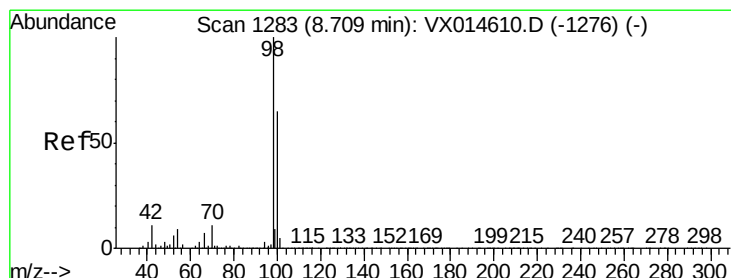
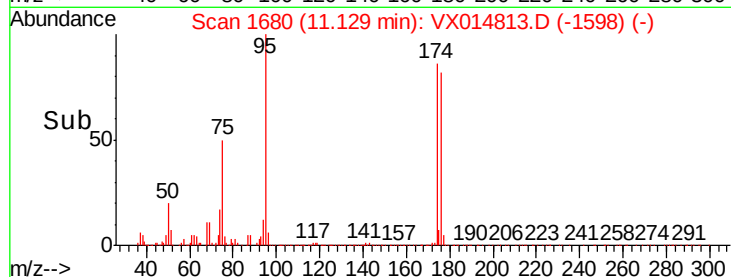
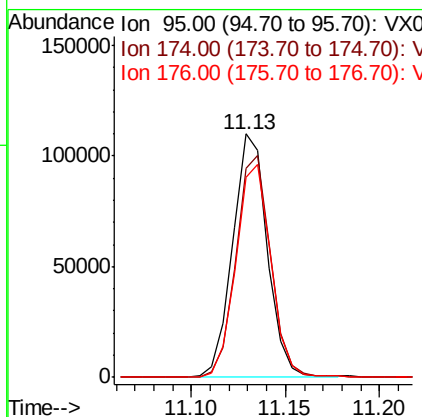
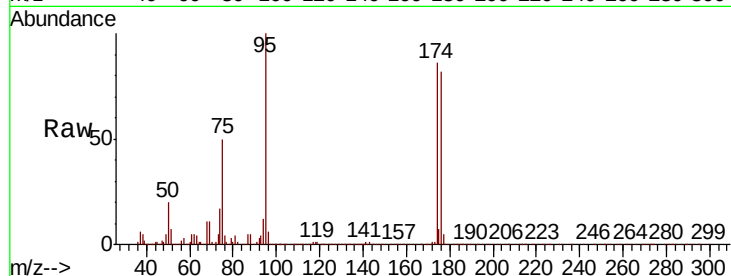




#60
4-Bromofluorobenzene
Concen: 26.157 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014813.D
Acq: 05 Feb 2020 11:16

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	95	Resp	140440
Ion Ratio	Lower	Upper	
95	100		
174	90.9	70.2	105.2
176	87.3	68.3	102.5



#63
Toluene-d8
Concen: 29.558 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014813.D
Acq: 05 Feb 2020 11:16

Tgt Ion	98	Resp	447957
Ion Ratio	Lower	Upper	
98	100		
100	65.2	52.2	78.2

