

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021948.D
 Acq On : 13 May 2021 00:19
 Operator : JC/MD
 Sample : M2359-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-2

Quant Time: May 13 06:28:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 13 06:11:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

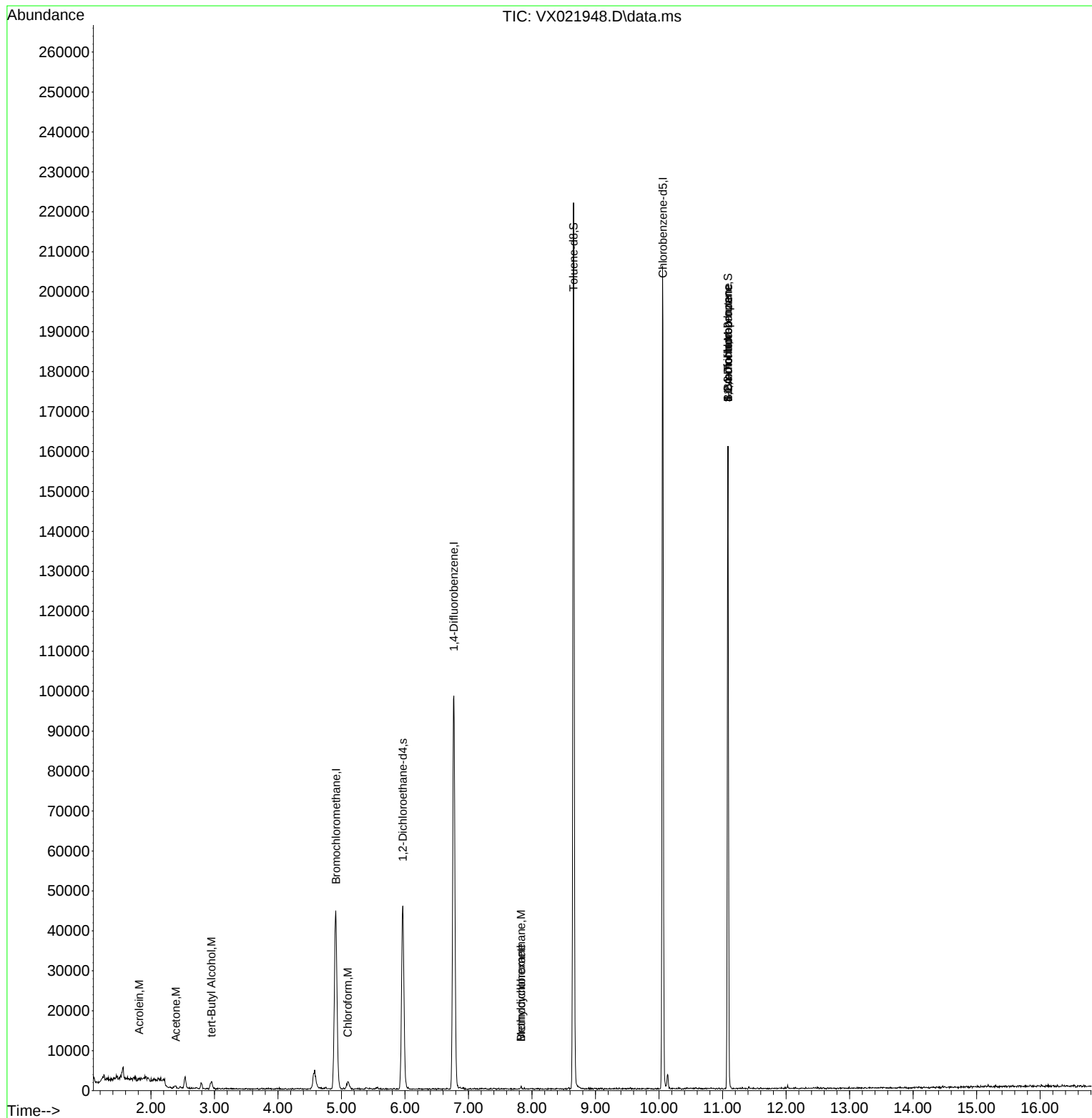
Internal Standards						
1) Bromochloromethane	4.916	128	17773	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	104182	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.061	117	92329	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	42013	30.69	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.30%
60) 4-Bromofluorobenzene	11.085	95	45245	29.53	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.43%
63) Toluene-d8	8.653	98	126414	29.96	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.87%
Target Compounds						
					Qvalue	
13) Acrolein	1.813	56	77	0.34	ug/l	96
15) Acetone	2.392	58	93	0.52	ug/l #	1
23) tert-Butyl Alcohol	2.953	59	1334	4.60	ug/l #	100
25) Chloroform	5.099	83	1880	0.88	ug/l #	74
38) Methylcyclohexane	7.830	83	386	0.21	ug/l #	19
41) Bromodichloromethane	7.830	83	386	0.22	ug/l #	82
56) Bromoform	11.085	173	263	0.34	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	22723	13.79	ug/l	65
77) t-1,4-Dichloro-2-butene	11.085	75	22723	34.02	ug/l #	17

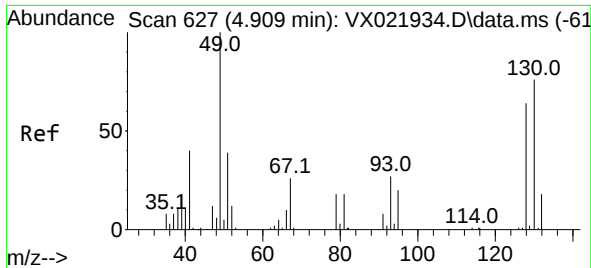
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
14B-2

Quant Time: May 13 06:28:57 2021
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 13 06:11:35 2021
Response via : Initial Calibration

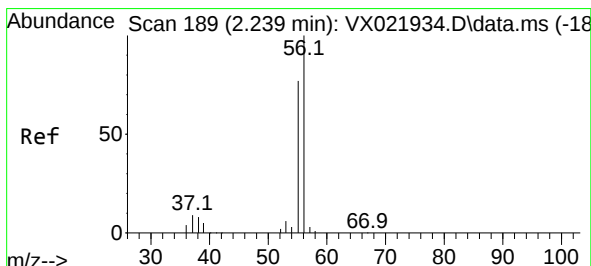
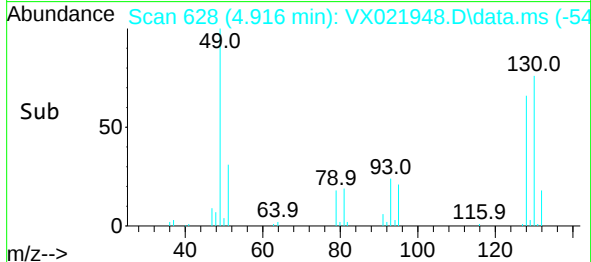
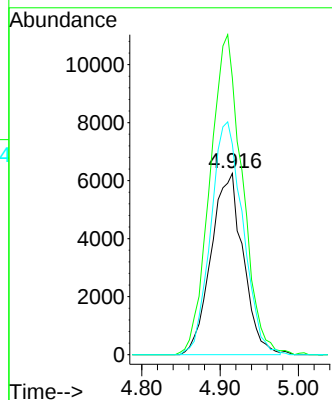
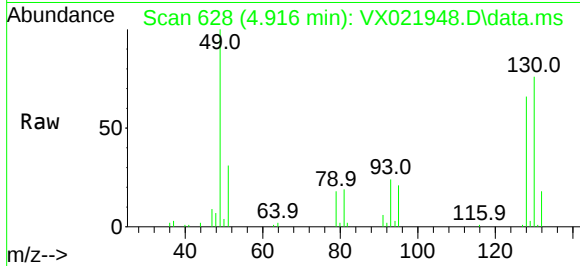




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.007 min
Lab File: VX021948.D
Acq: 13 May 2021 00:19

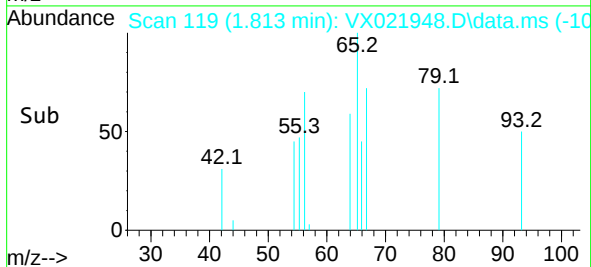
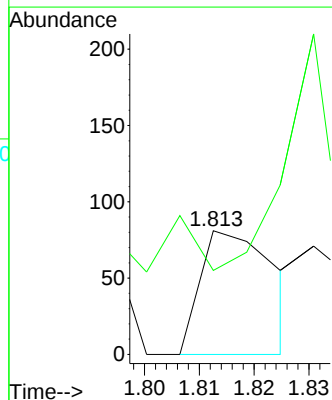
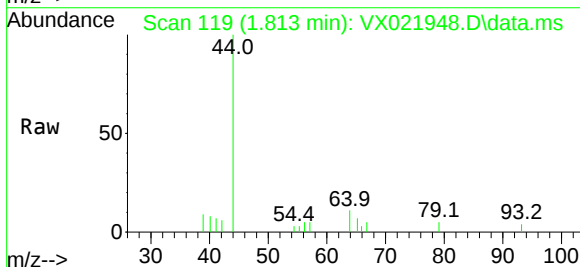
Instrument :
MSVOA_X
ClientSampleId :
14B-2

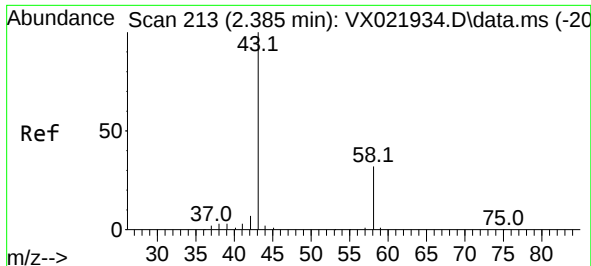
Tgt Ion:128 Resp: 17773
Ion Ratio Lower Upper
128 100
49 177.3 0.0 442.5
130 129.4 0.0 323.3



#13
Acrolein
Concen: 0.34 ug/l
RT: 1.813 min Scan# 119
Delta R.T. -0.426 min
Lab File: VX021948.D
Acq: 13 May 2021 00:19

Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 68.8 57.6 86.4

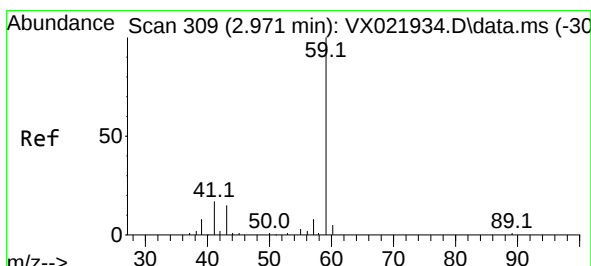
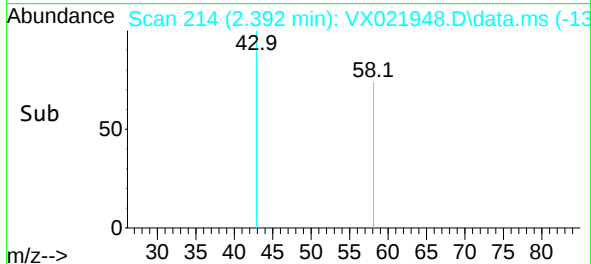
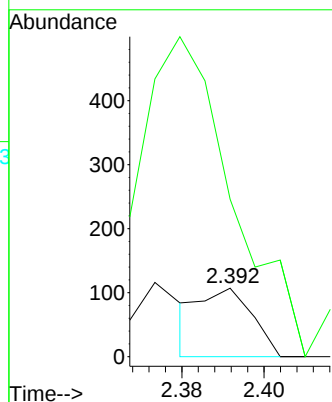
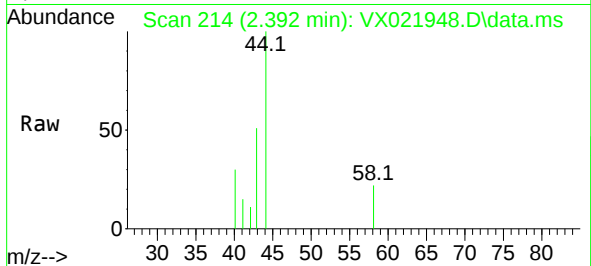




#15
Acetone
Concen: 0.52 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX021948.D
Acq: 13 May 2021 00:19

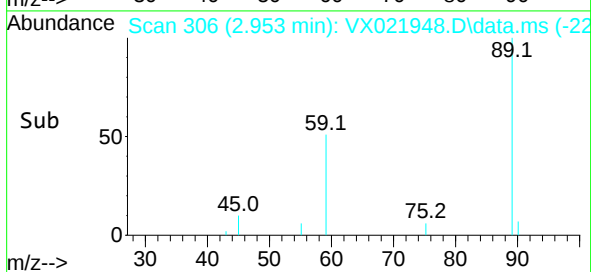
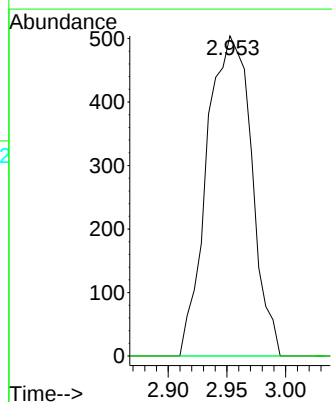
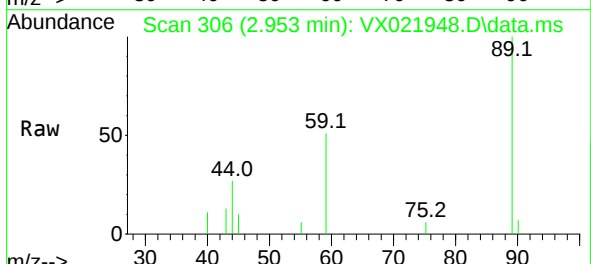
Instrument :
MSVOA_X
ClientSampled :
14B-2

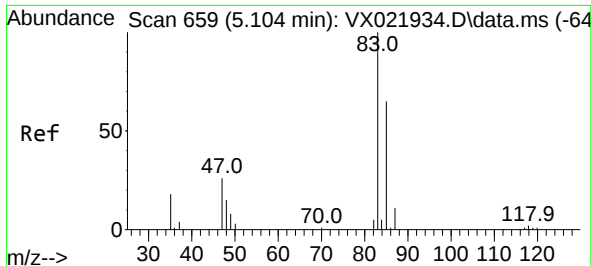
Tgt Ion: 58 Resp: 93
Ion Ratio Lower Upper
58 100
43 88.8 249.5 374.3#



#23
tert-Butyl Alcohol
Concen: 4.60 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX021948.D
Acq: 13 May 2021 00:19

Tgt Ion: 59 Resp: 1334
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#25

Chloroform

Concen: 0.88 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.006 min

Lab File: VX021948.D

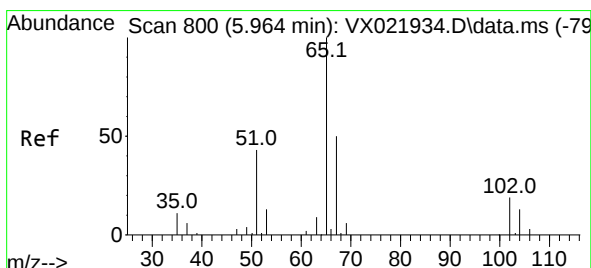
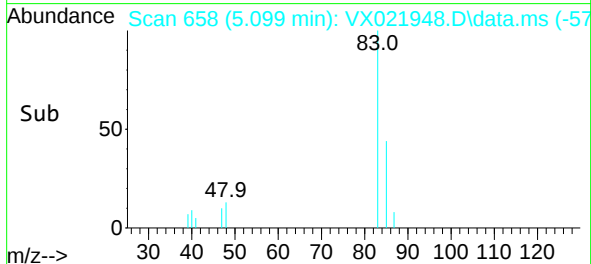
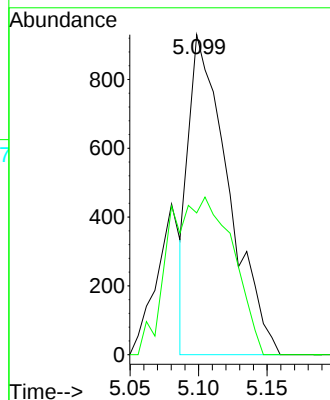
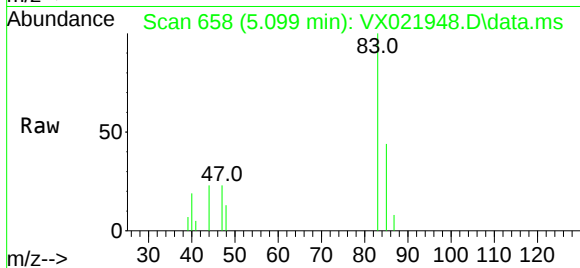
Acq: 13 May 2021 00:19

Tgt Ion: 83 Resp: 1880

Ion Ratio Lower Upper

83 100

85 44.3 51.9 77.9#



#27

1,2-Dichloroethane-d4

Concen: 30.69 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX021948.D

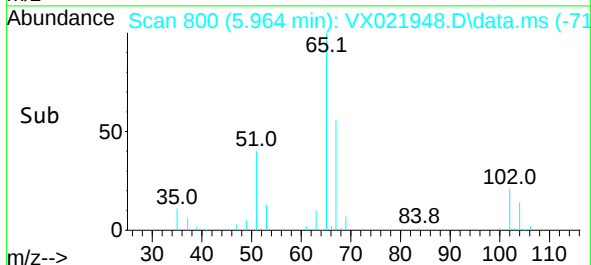
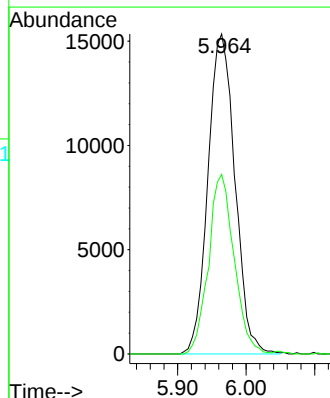
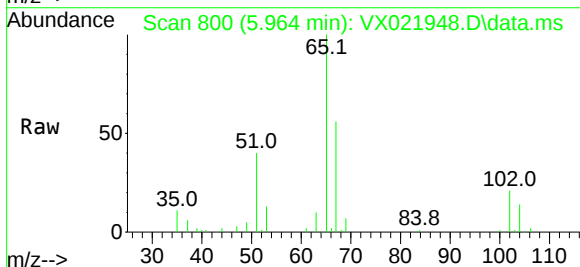
Acq: 13 May 2021 00:19

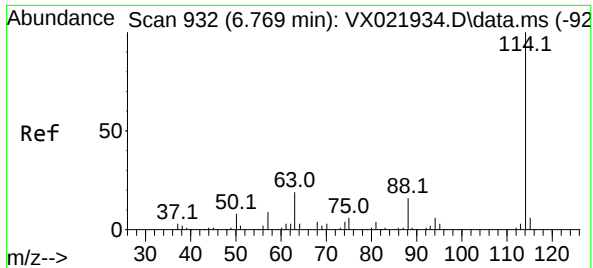
Tgt Ion: 65 Resp: 42013

Ion Ratio Lower Upper

65 100

67 53.2 41.5 62.3

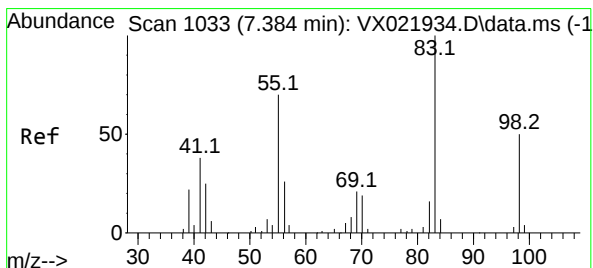
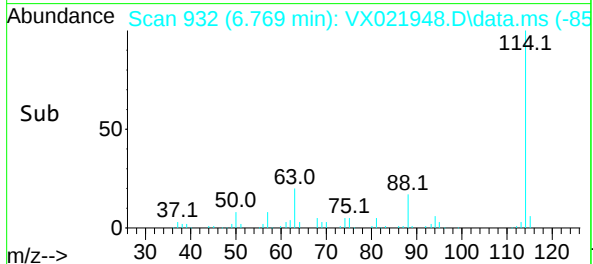
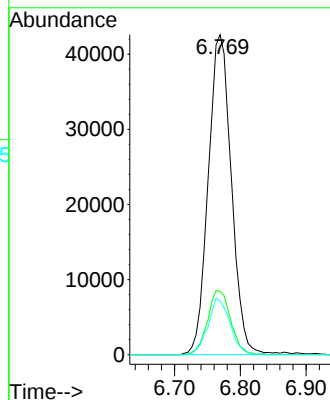
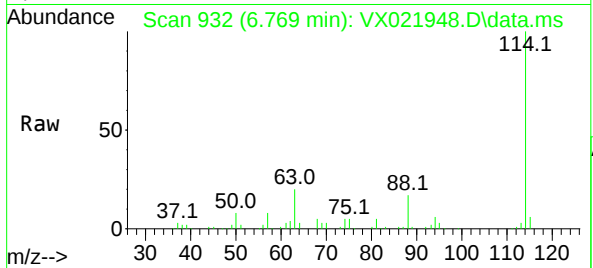




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX021948.D
Acq: 13 May 2021 00:19

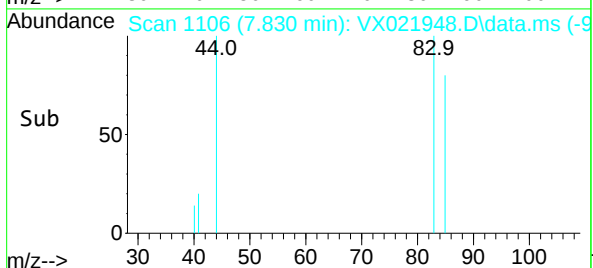
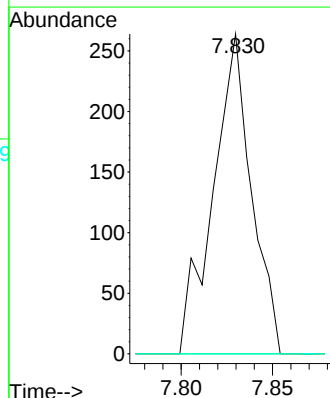
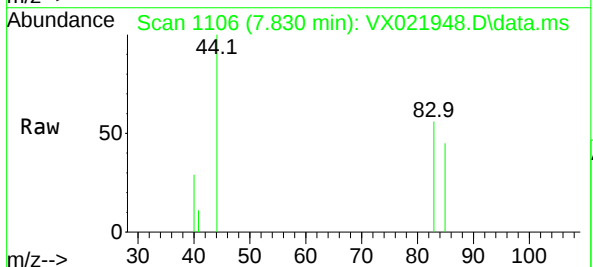
Instrument :
MSVOA_X
ClientSampled :
14B-2

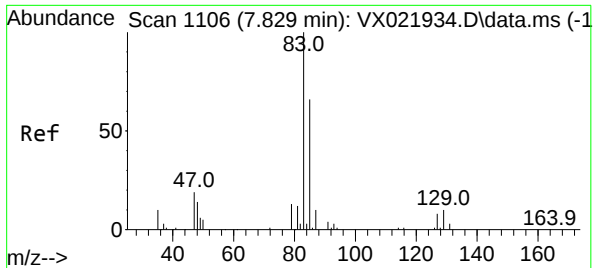
Tgt Ion:114 Resp: 104182
Ion Ratio Lower Upper
114 100
63 20.0 16.6 25.0
88 16.9 13.1 19.7



#38
Methylcyclohexane
Concen: 0.21 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.445 min
Lab File: VX021948.D
Acq: 13 May 2021 00:19

Tgt Ion: 83 Resp: 386
Ion Ratio Lower Upper
83 100
55 0.0 36.4 109.2#
98 0.0 25.3 75.9#

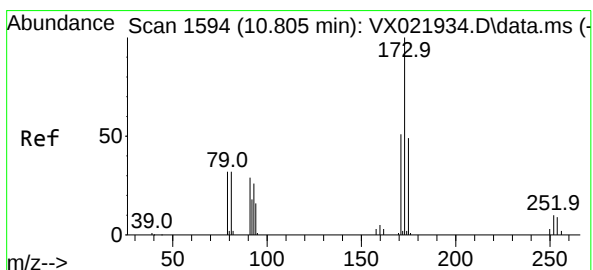
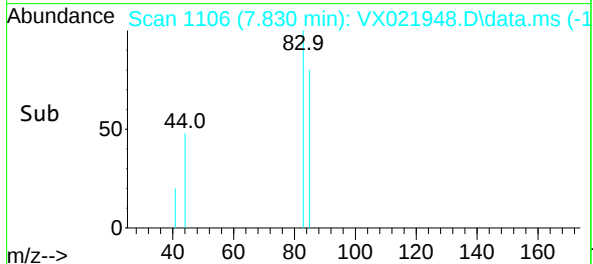
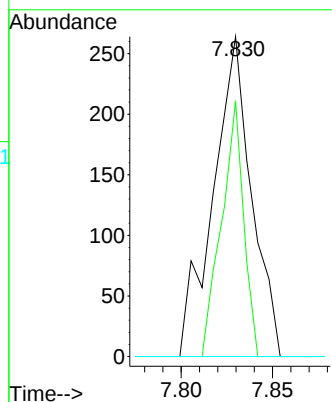
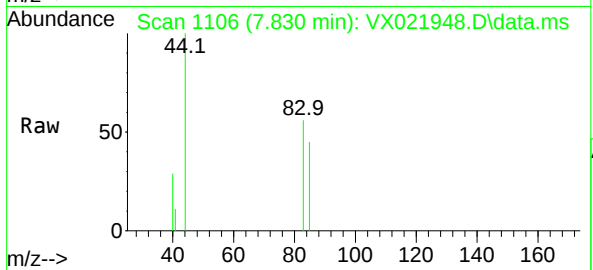




#41
Bromodichloromethane
Concen: 0.22 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VX021948.D
Acq: 13 May 2021 00:19

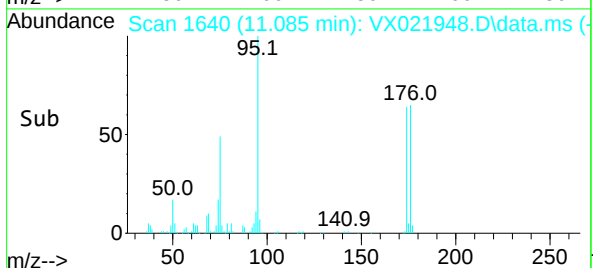
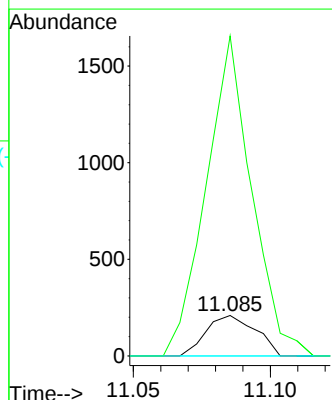
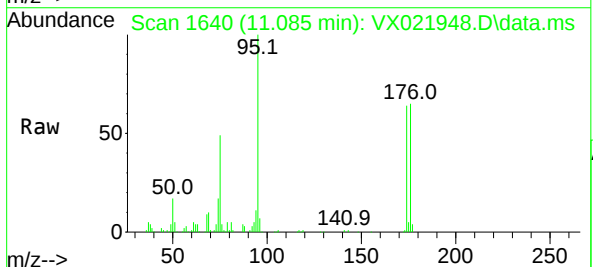
Instrument :
MSVOA_X
ClientSampled :
14B-2

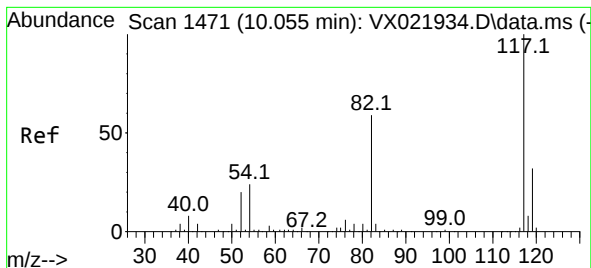
Tgt Ion: 83 Resp: 386
Ion Ratio Lower Upper
83 100
85 79.9 52.6 78.8#
127 0.0 6.1 9.1#



#56
Bromoform
Concen: 0.34 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.281 min
Lab File: VX021948.D
Acq: 13 May 2021 00:19

Tgt Ion: 173 Resp: 263
Ion Ratio Lower Upper
173 100
175 729.7 39.4 59.2#
254 0.0 8.0 12.0#

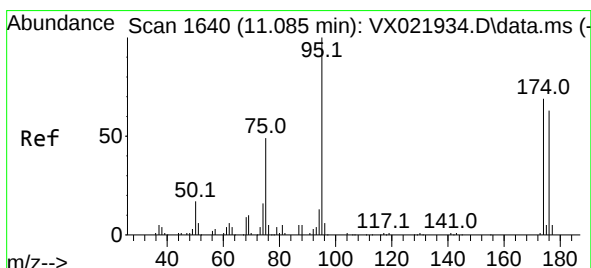
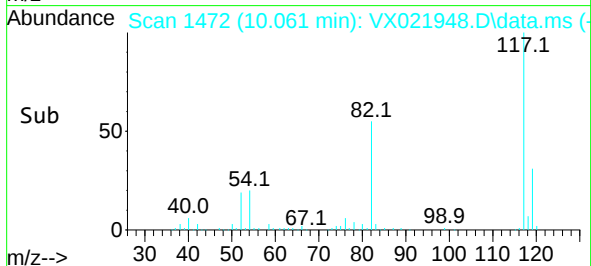
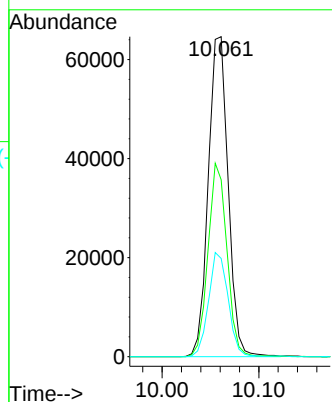
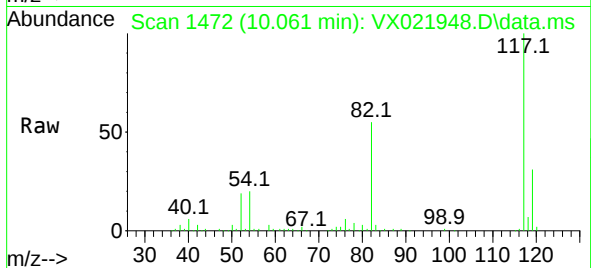




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX021948.D
Acq: 13 May 2021 00:19

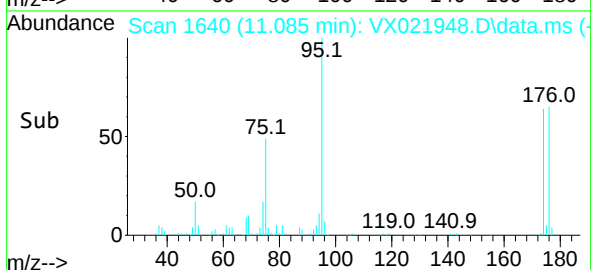
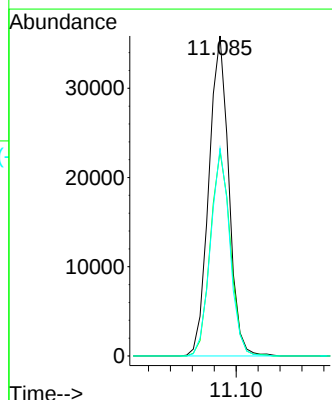
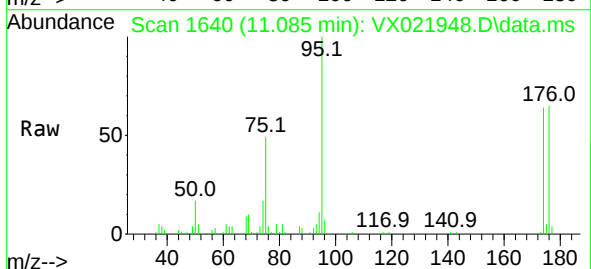
Instrument :
MSVOA_X
ClientSampled :
14B-2

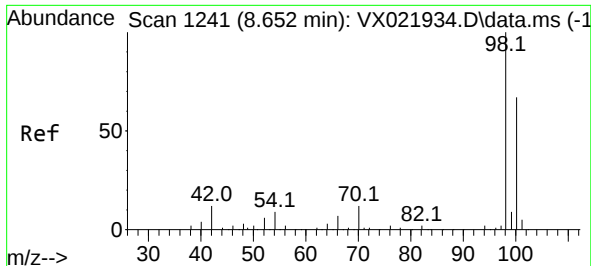
Tgt Ion:117 Resp: 92329
Ion Ratio Lower Upper
117 100
82 57.5 44.9 67.3
119 32.0 25.0 37.6



#60
4-Bromofluorobenzene
Concen: 29.53 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX021948.D
Acq: 13 May 2021 00:19

Tgt Ion: 95 Resp: 45245
Ion Ratio Lower Upper
95 100
174 64.2 52.2 78.2
176 62.9 49.3 73.9

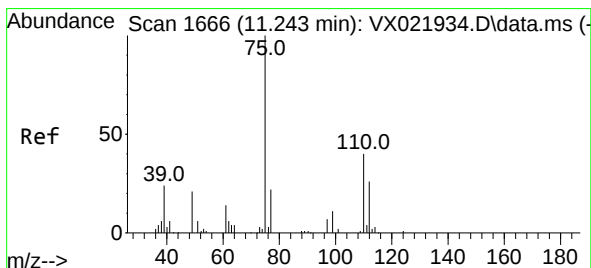
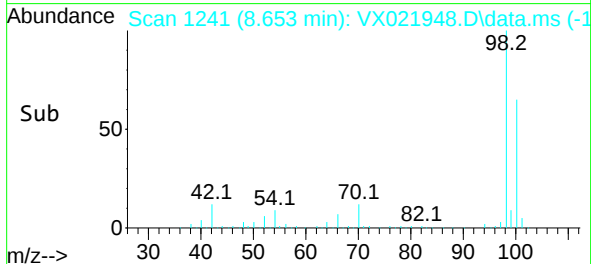
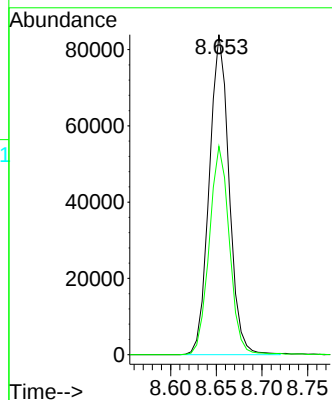
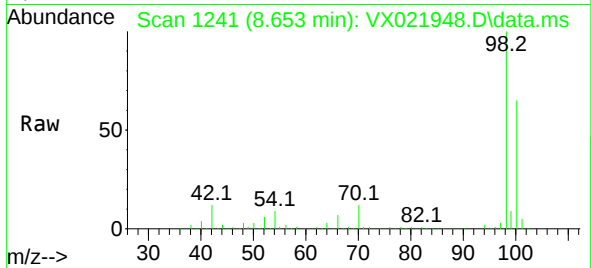




#63
Toluene-d8
Concen: 29.96 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX021948.D
Acq: 13 May 2021 00:19

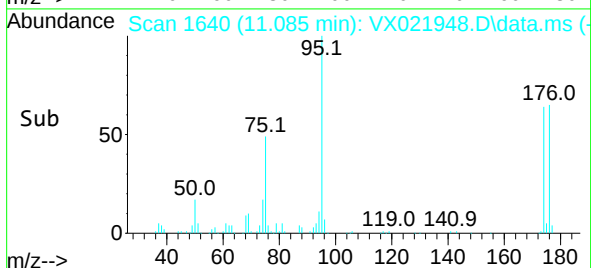
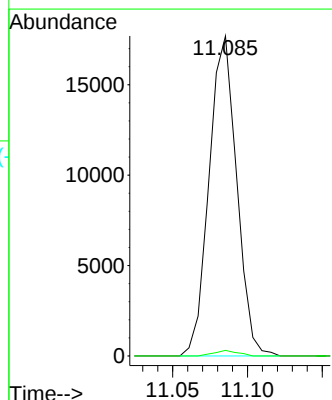
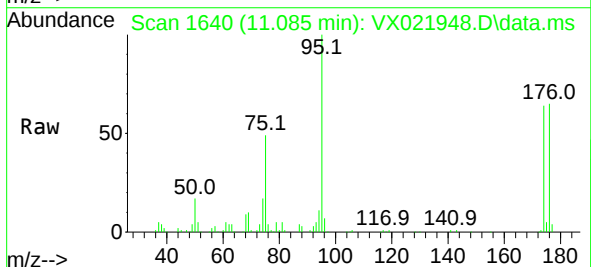
Instrument :
MSVOA_X
ClientSampled :
14B-2

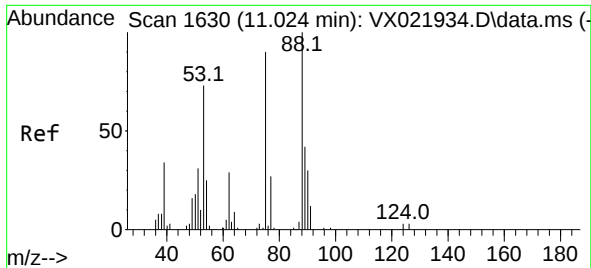
Tgt Ion: 98 Resp: 126414
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#72
1,2,3-Trichloropropane
Concen: 13.79 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX021948.D
Acq: 13 May 2021 00:19

Tgt Ion: 75 Resp: 22723
Ion Ratio Lower Upper
75 100
77 1.5 0.0 33.0





#77
t-1,4-Dichloro-2-butene
Concen: 34.02 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX021948.D
Acq: 13 May 2021 00:19

Tgt Ion: 75 Resp: 22723
Ion Ratio Lower Upper
75 100
53 0.0 40.2 120.6#
89 0.0 23.4 70.0#

Instrument :
MSVOA_X
ClientSampleId :
14B-2

