

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090121\
 Data File : VX024062.D
 Acq On : 01 Sep 2021 13:51
 Operator : JC/MD
 Sample : M3580-02 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 02 07:09:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 Response via : Initial Calibration

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

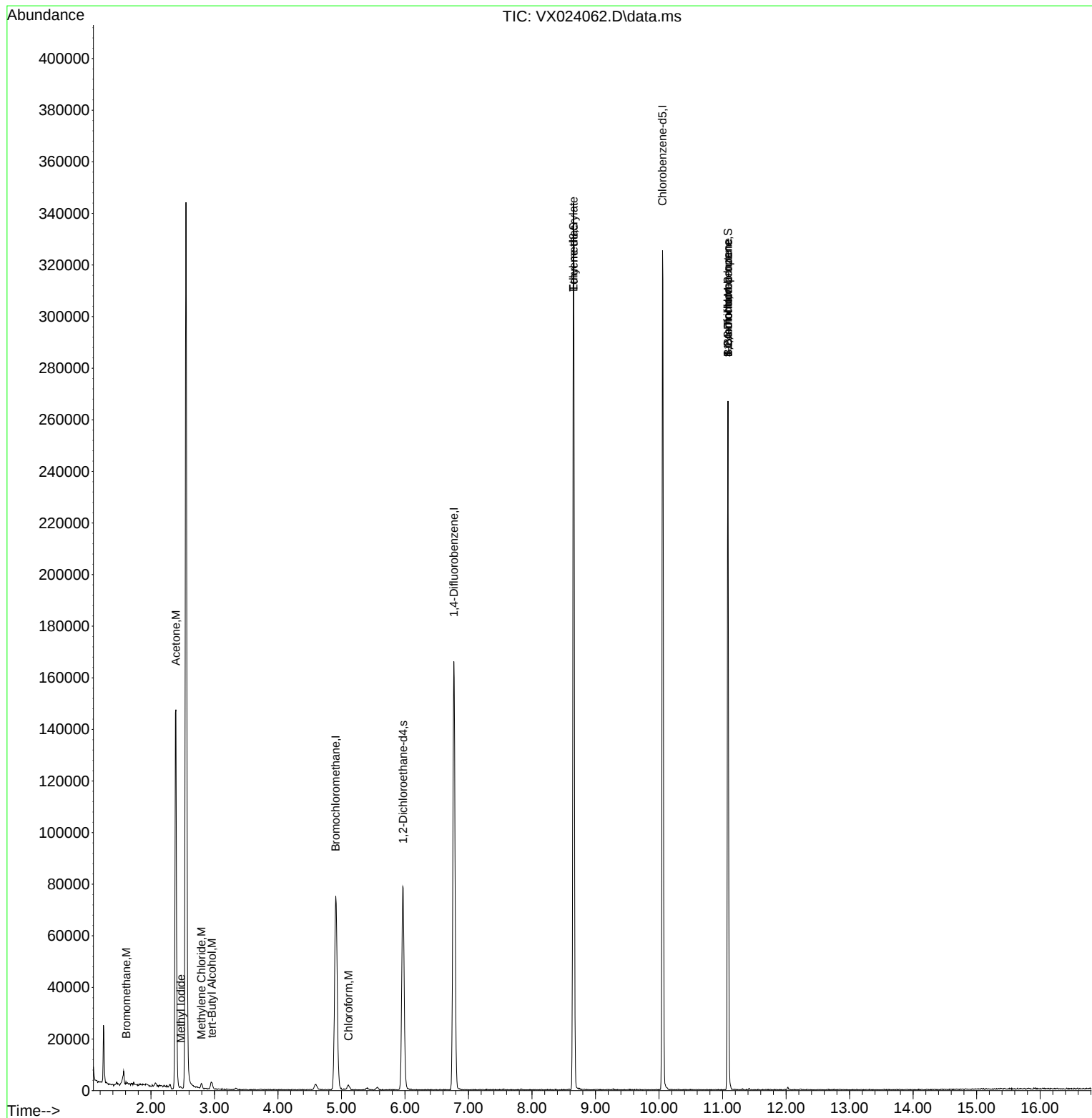
Internal Standards						
1) Bromochloromethane	4.910	128	30970	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	163338	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	145283	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.970	65	79129	33.04	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.13%#
60) 4-Bromofluorobenzene	11.085	95	65621	27.58	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.93%
63) Toluene-d8	8.653	98	195422	29.89	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.63%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	294	0.24	ug/l	85
11) Methyl Iodide	2.471	142	767	0.30	ug/l #	63
15) Acetone	2.392	58	44694	124.58	ug/l	96
18) Methylene Chloride	2.794	84	846	0.40	ug/l #	83
23) tert-Butyl Alcohol	2.959	59	1019	1.90	ug/l #	100
25) Chloroform	5.111	83	1550	0.42	ug/l #	72
51) Ethyl methacrylate	8.653	69	763	0.24	ug/l	93
56) Bromoform	11.085	173	683	0.46	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	35934	13.14	ug/l	38
77) t-1,4-Dichloro-2-butene	11.085	75	35934	36.82	ug/l #	7

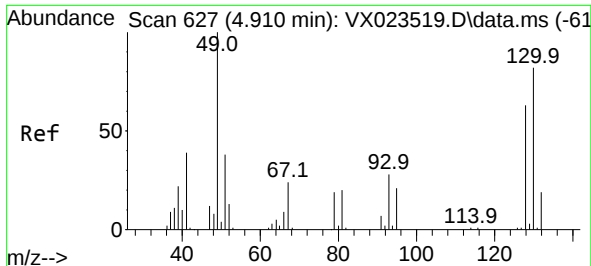
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090121\
Data File : VX024062.D
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 02 07:09:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Aug 03 12:05:42 2021
Response via : Initial Calibration

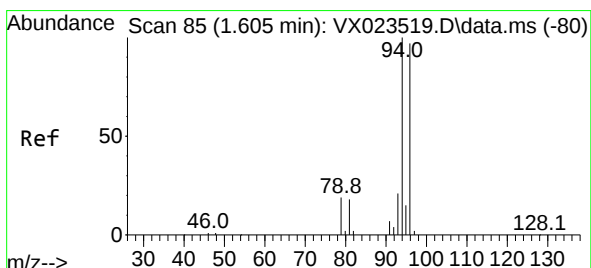
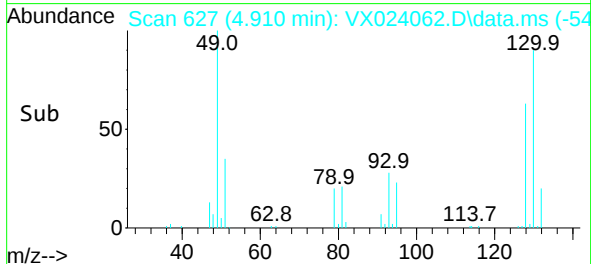
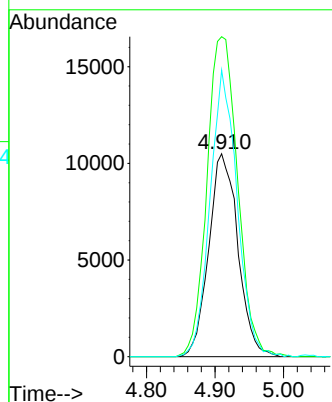
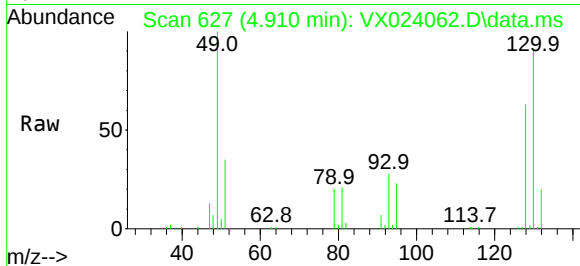




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX024062.D
Acq: 01 Sep 2021 13:51

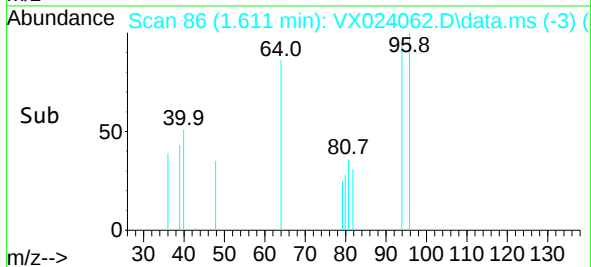
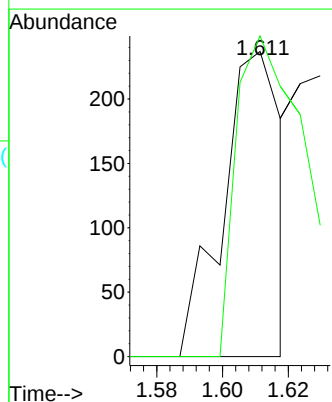
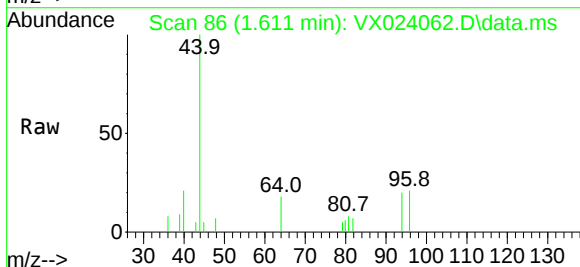
Instrument :
MSVOA_X
ClientSampled :

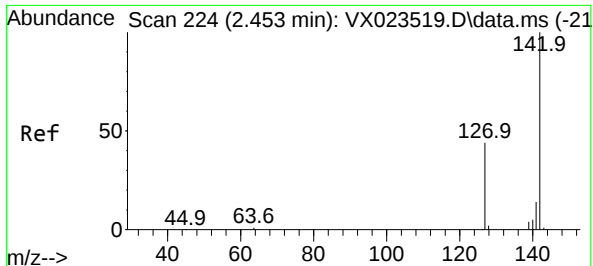
Tgt Ion:128 Resp: 30970
Ion Ratio Lower Upper
128 100
49 165.6 0.0 402.5
130 131.3 0.0 326.5



#5
Bromomethane
Concen: 0.24 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX024062.D
Acq: 01 Sep 2021 13:51

Tgt Ion: 94 Resp: 294
Ion Ratio Lower Upper
94 100
96 105.1 72.8 109.2





#11

Methyl Iodide

Concen: 0.30 ug/l

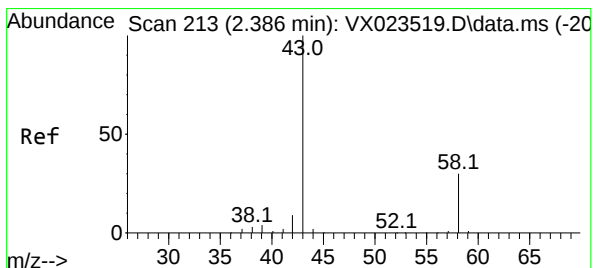
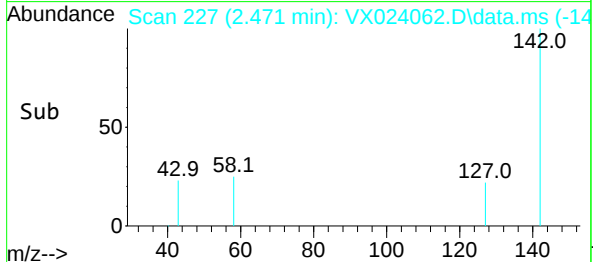
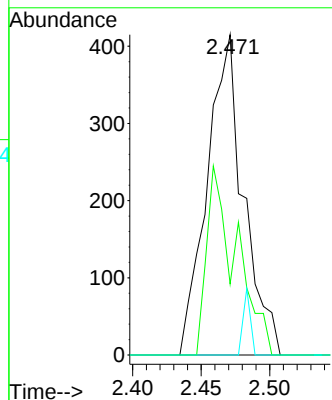
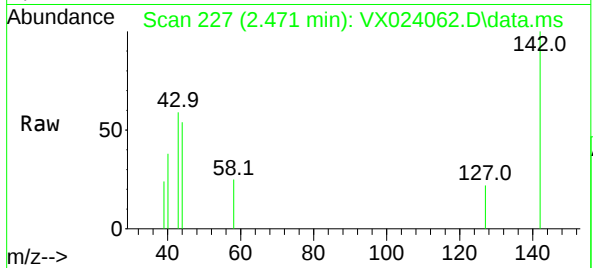
RT: 2.471 min Scan# 227

Delta R.T. 0.018 min

Lab File: VX024062.D

Acq: 01 Sep 2021 13:51

Tgt Ion:142	Resp:	767
Ion	Ratio	Lower Upper
142	100	
127	22.2	23.6 71.0#
141	0.0	7.1 21.3#



#15

Acetone

Concen: 124.58 ug/l

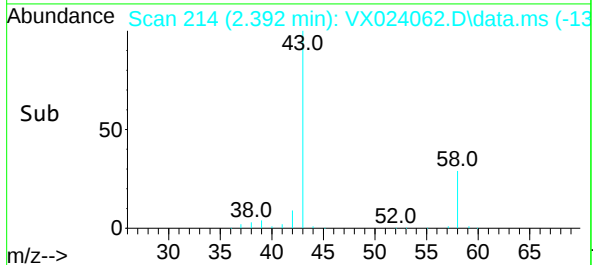
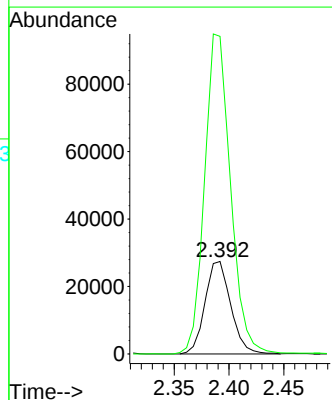
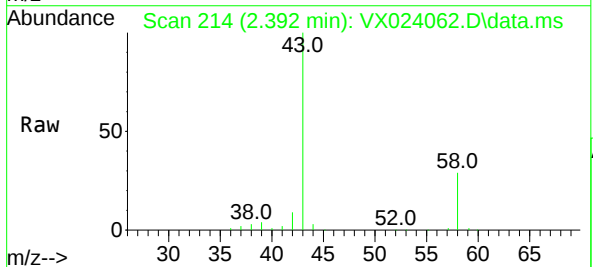
RT: 2.392 min Scan# 214

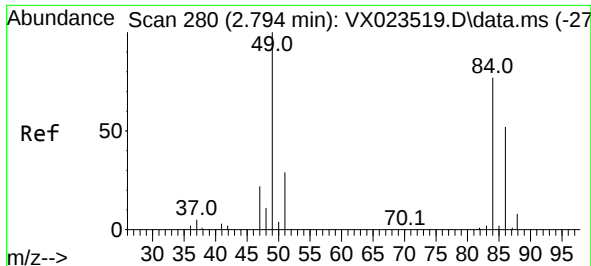
Delta R.T. 0.006 min

Lab File: VX024062.D

Acq: 01 Sep 2021 13:51

Tgt Ion: 58	Resp:	44694
Ion	Ratio	Lower Upper
58	100	
43	342.0	266.6 400.0





#18

Methylene Chloride

Concen: 0.40 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024062.D

Acq: 01 Sep 2021 13:51

Tgt Ion: 84 Resp: 846

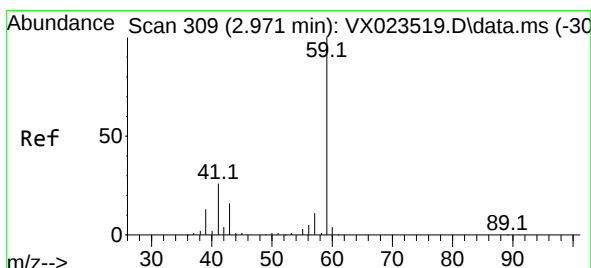
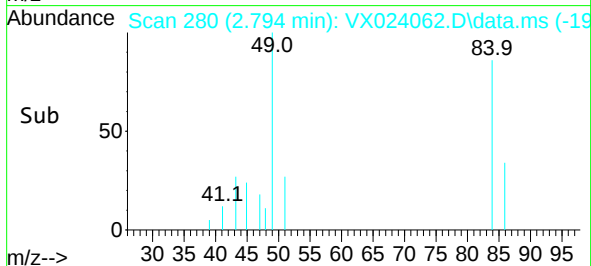
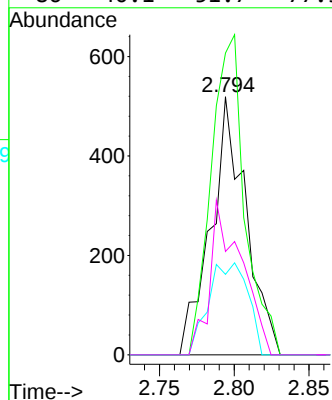
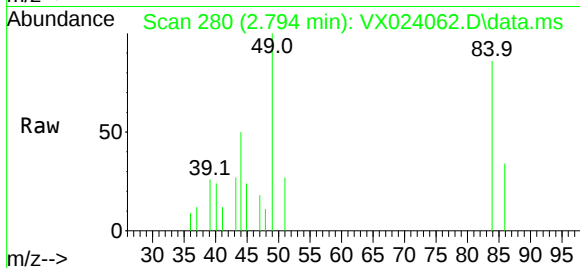
Ion Ratio Lower Upper

84 100

49 117.0 104.3 156.5

51 31.2 30.3 45.5

86 40.1 51.7 77.5#



#23

tert-Butyl Alcohol

Concen: 1.90 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX024062.D

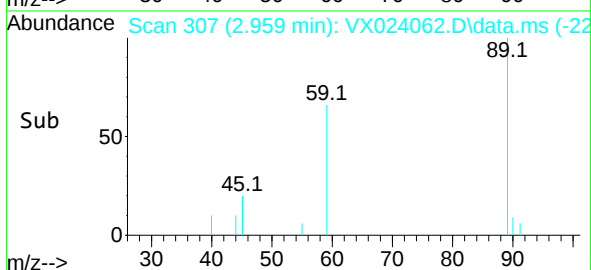
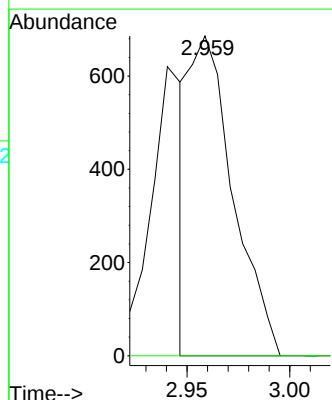
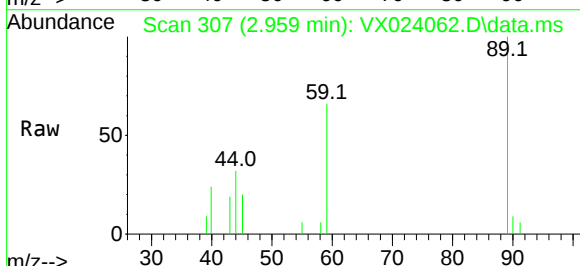
Acq: 01 Sep 2021 13:51

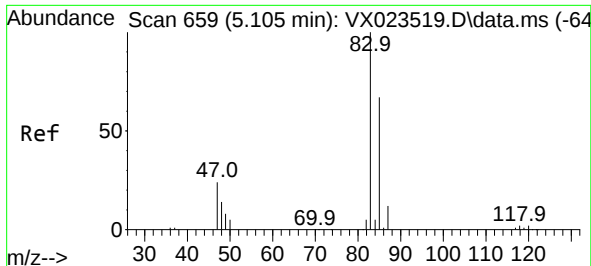
Tgt Ion: 59 Resp: 1019

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#

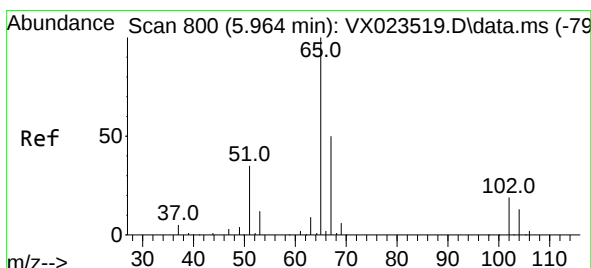
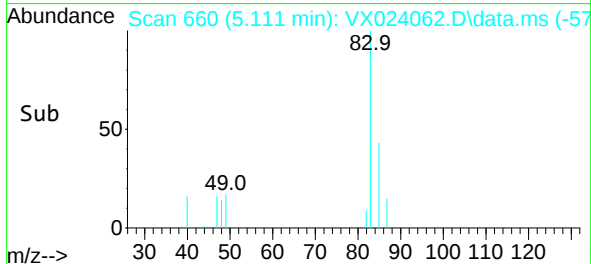
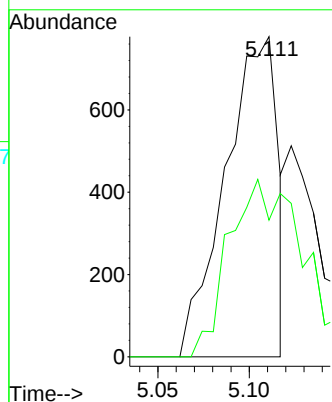
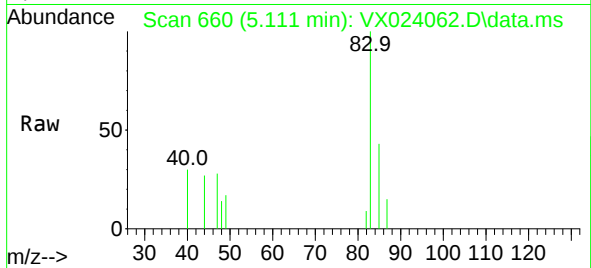




#25
Chloroform
Concen: 0.42 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX024062.D
Acq: 01 Sep 2021 13:51

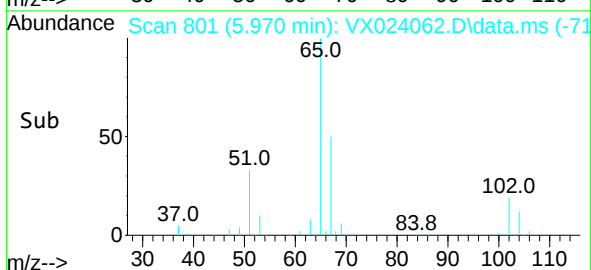
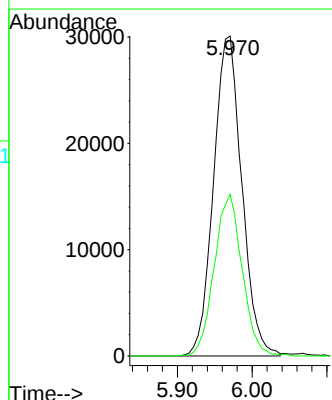
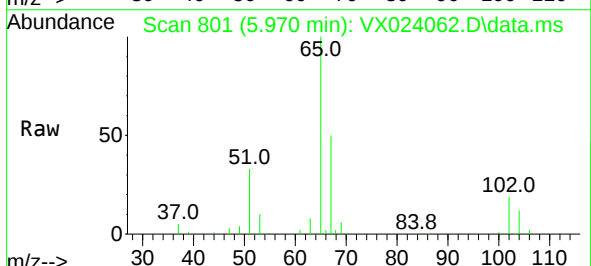
Instrument :
MSVOA_X
ClientSampled :

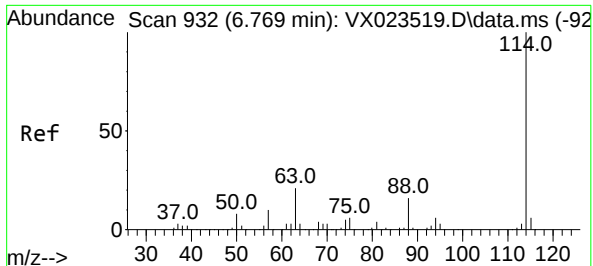
Tgt Ion: 83 Resp: 1550
Ion Ratio Lower Upper
83 100
85 42.7 51.8 77.8#



#27
1,2-Dichloroethane-d4
Concen: 33.04 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX024062.D
Acq: 01 Sep 2021 13:51

Tgt Ion: 65 Resp: 79129
Ion Ratio Lower Upper
65 100
67 49.2 42.4 63.6





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX024062.D

Acq: 01 Sep 2021 13:51

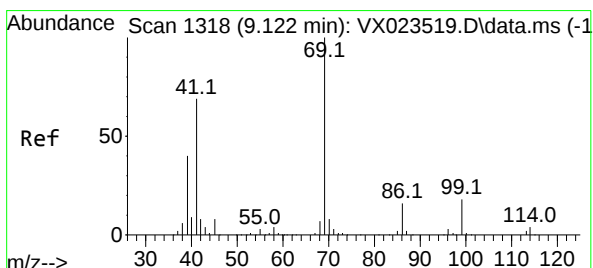
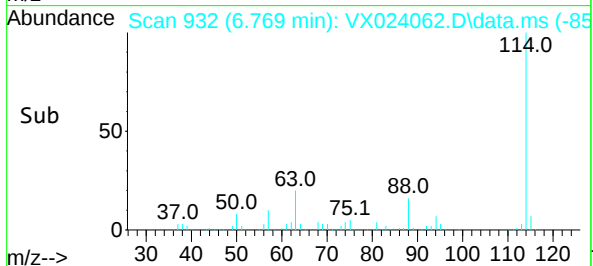
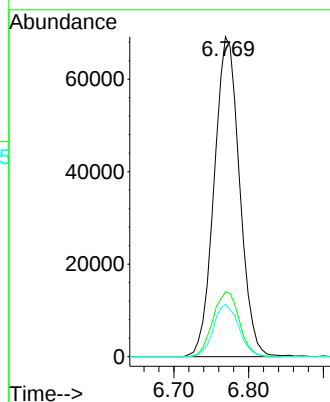
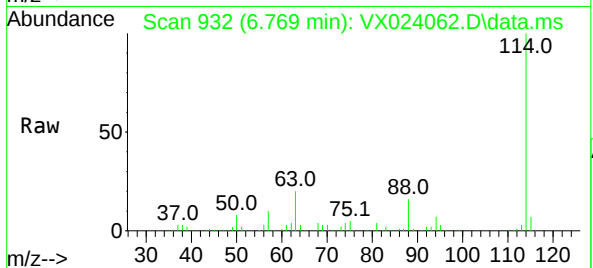
Tgt Ion:114 Resp: 163338

Ion Ratio Lower Upper

114 100

63 21.1 16.4 24.6

88 16.2 12.7 19.1



#51

Ethyl methacrylate

Concen: 0.24 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.469 min

Lab File: VX024062.D

Acq: 01 Sep 2021 13:51

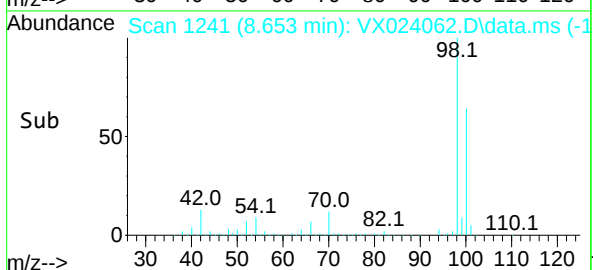
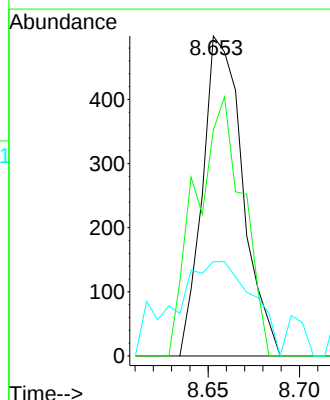
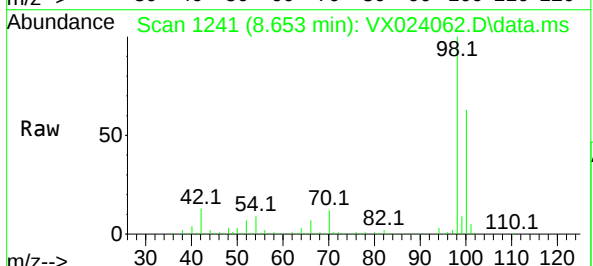
Tgt Ion: 69 Resp: 763

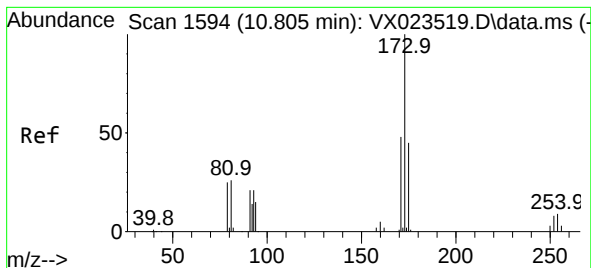
Ion Ratio Lower Upper

69 100

41 70.5 35.8 107.3

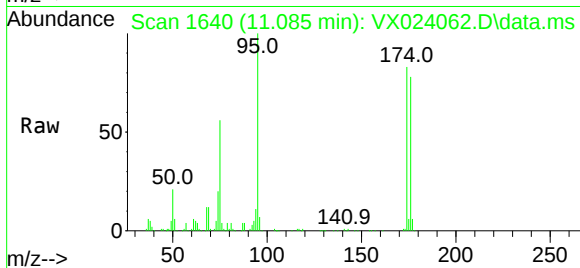
39 29.5 20.3 60.8



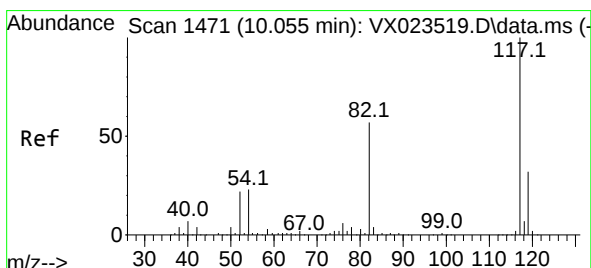
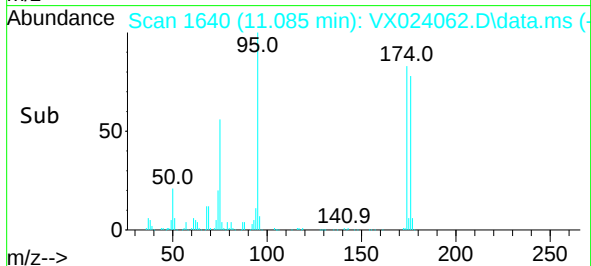
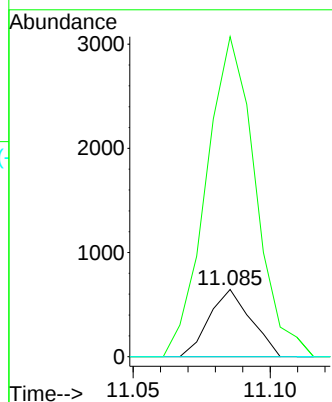


#56
Bromoform
Concen: 0.46 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.280 min
Lab File: VX024062.D
Acq: 01 Sep 2021 13:51

Instrument :
MSVOA_X
ClientSampled :

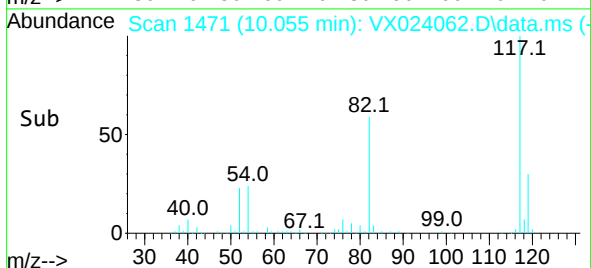
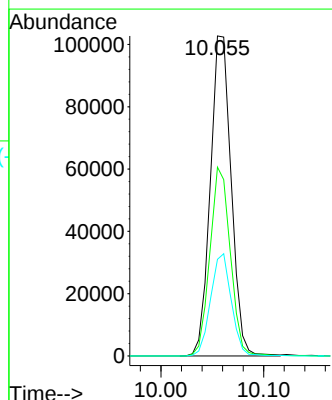
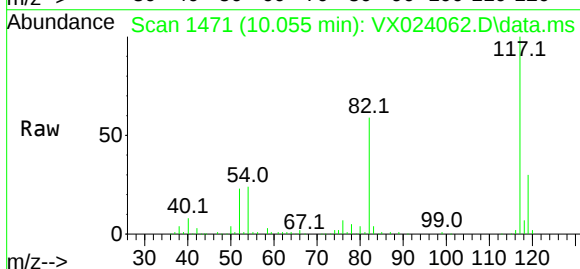


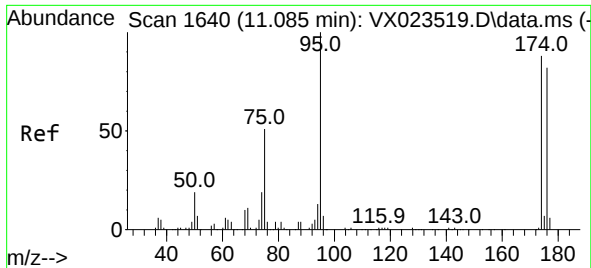
Tgt Ion:173 Resp: 683
Ion Ratio Lower Upper
173 100
175 563.4 38.4 57.6#
254 0.0 7.3 10.9#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024062.D
Acq: 01 Sep 2021 13:51

Tgt Ion:117 Resp: 145283
Ion Ratio Lower Upper
117 100
82 57.7 45.0 67.4
119 31.7 26.2 39.2

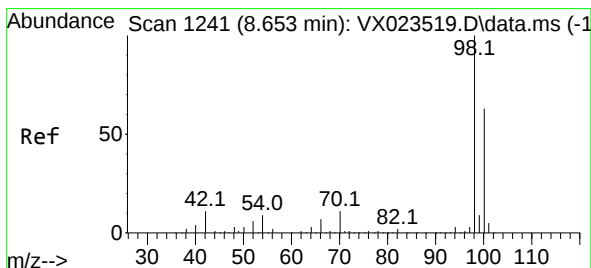
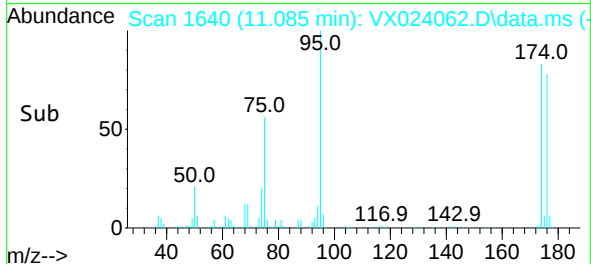
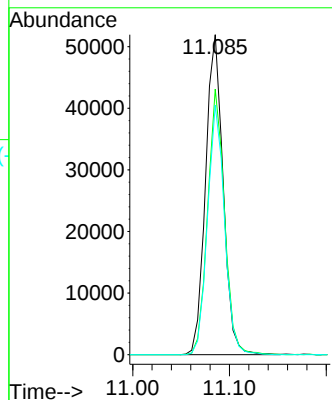
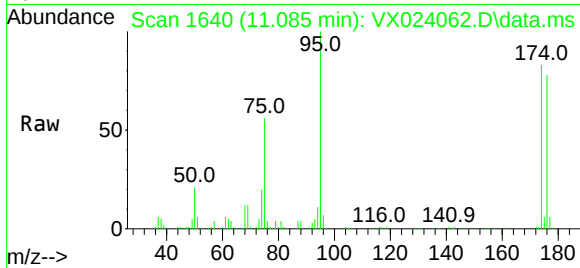




#60
4-Bromofluorobenzene
Concen: 27.58 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024062.D
Acq: 01 Sep 2021 13:51

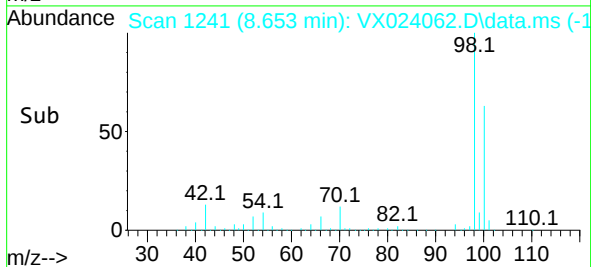
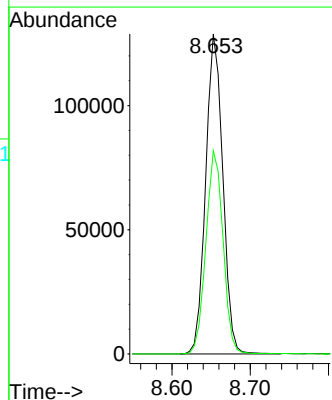
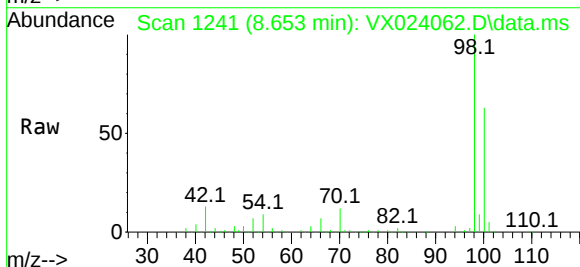
Instrument :
MSVOA_X
ClientSampleId :

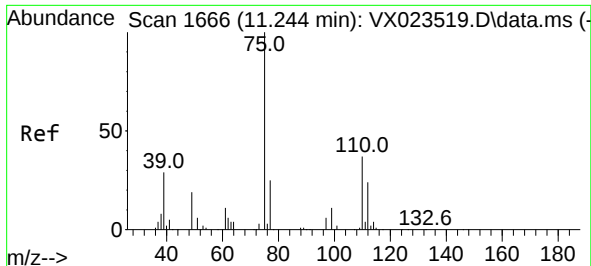
Tgt Ion: 95 Resp: 65621
Ion Ratio Lower Upper
95 100
174 80.0 63.5 95.3
176 75.5 63.0 94.4



#63
Toluene-d8
Concen: 29.89 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX024062.D
Acq: 01 Sep 2021 13:51

Tgt Ion: 98 Resp: 195422
Ion Ratio Lower Upper
98 100
100 63.2 51.4 77.0

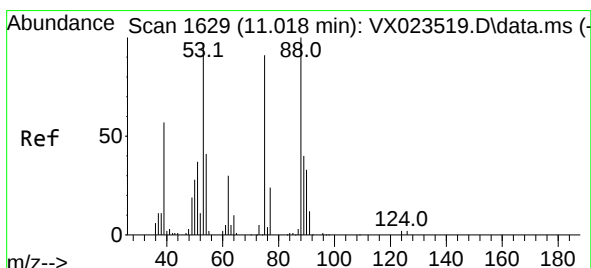
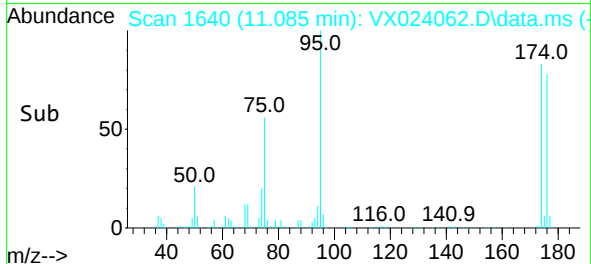
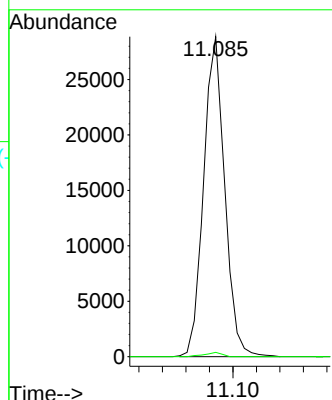
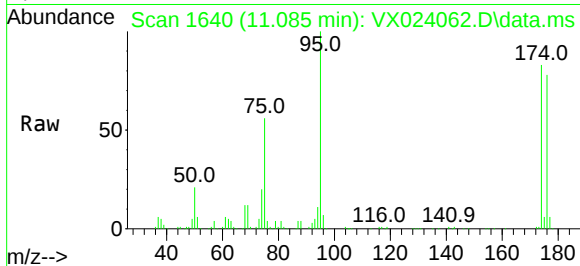




#72
1,2,3-Trichloropropane
Concen: 13.14 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024062.D
Acq: 01 Sep 2021 13:51

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 35934
Ion Ratio Lower Upper
75 100
77 1.1 0.0 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 36.82 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX024062.D
Acq: 01 Sep 2021 13:51

Tgt Ion: 75 Resp: 35934
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.9 68.7#

