

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090121\
 Data File : VX024065.D
 Acq On : 01 Sep 2021 15:04
 Operator : JC/MD
 Sample : M3580-01 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 02 07:10:05 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)

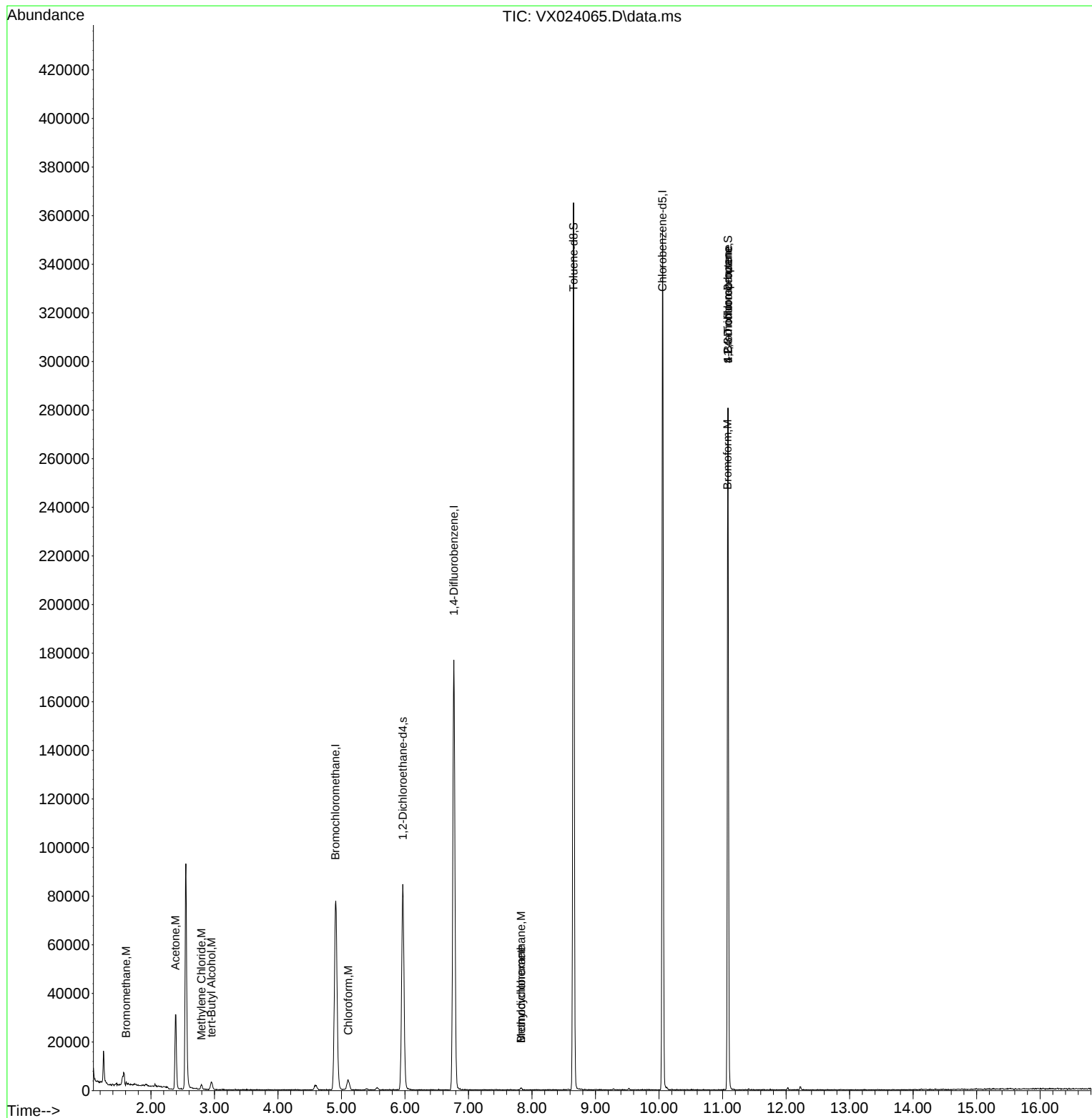
Internal Standards						
1) Bromochloromethane	4.903	128	32347	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	170399	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	151140	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	83958	33.56	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.87%#
60) 4-Bromofluorobenzene	11.085	95	70252	28.38	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.60%
63) Toluene-d8	8.653	98	206522	30.36	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.20%
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	346	0.27	ug/l	84
15) Acetone	2.386	58	9355	24.97	ug/l	92
18) Methylene Chloride	2.794	84	884	0.40	ug/l #	82
23) tert-Butyl Alcohol	2.953	59	2099	3.74	ug/l #	100
25) Chloroform	5.105	83	4756	1.23	ug/l	89
38) Methylcyclohexane	7.830	83	681	0.20	ug/l #	19
41) Bromodichloromethane	7.830	83	681	0.25	ug/l #	74
56) Bromoform	11.079	173	611	0.39	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	38718	13.61	ug/l	38
77) t-1,4-Dichloro-2-butene	11.085	75	38718	38.13	ug/l #	7

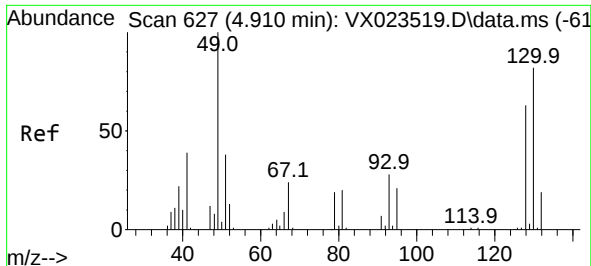
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090121\
Data File : VX024065.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

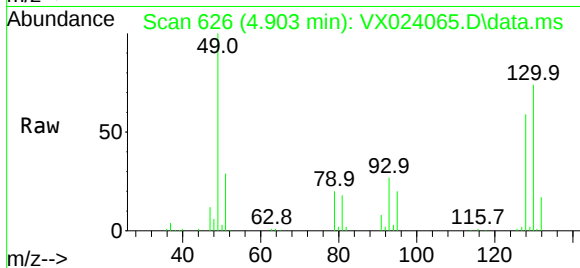
Quant Time: Sep 02 07:10:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Aug 03 12:05:42 2021
Response via : Initial Calibration



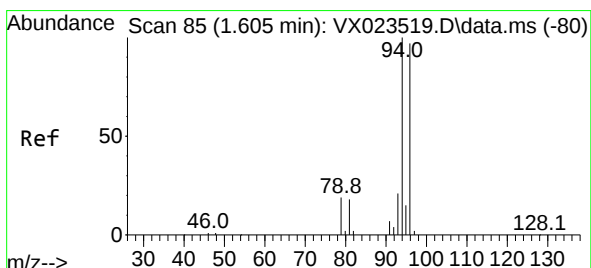
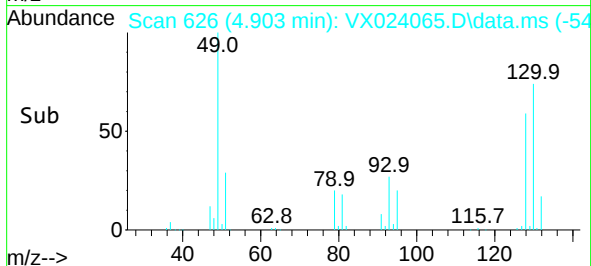
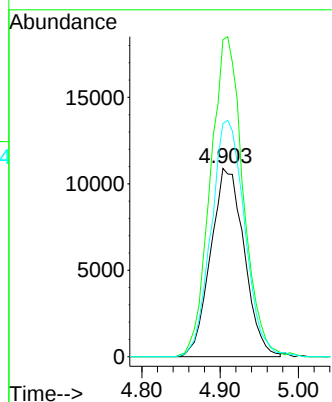


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.007 min
Lab File: VX024065.D
Acq: 01 Sep 2021 15:04

Instrument :
MSVOA_X
ClientSampled :

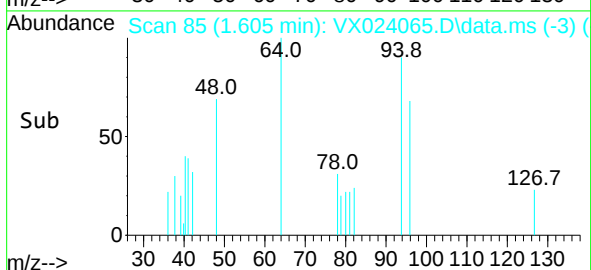
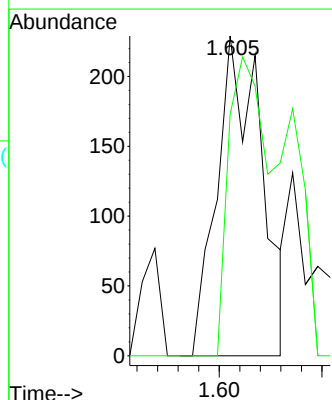
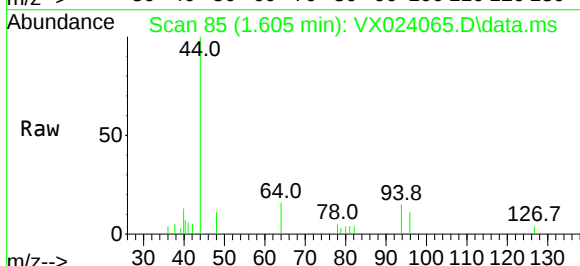


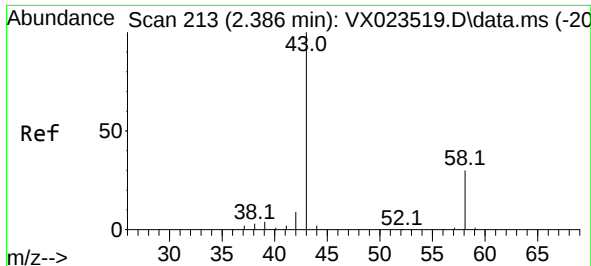
Tgt Ion:	128	Resp:	32347
Ion	Ratio	Lower	Upper
128	100		
49	165.4	0.0	402.5
130	125.7	0.0	326.5



#5
Bromomethane
Concen: 0.27 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.000 min
Lab File: VX024065.D
Acq: 01 Sep 2021 15:04

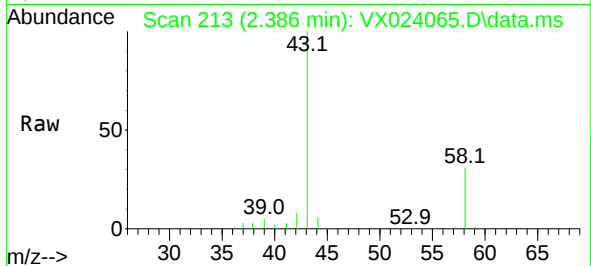
Tgt Ion:	94	Resp:	346
Ion	Ratio	Lower	Upper
94	100		
96	75.5	72.8	109.2



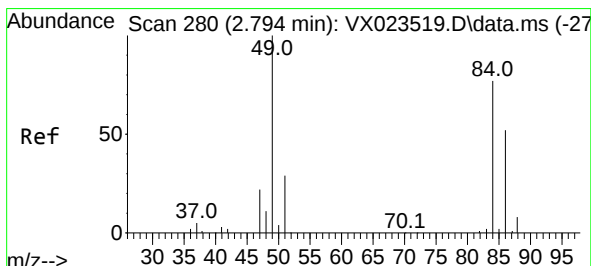
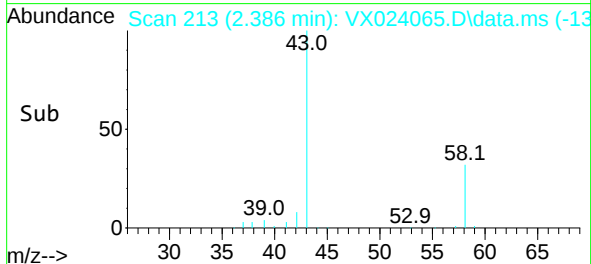
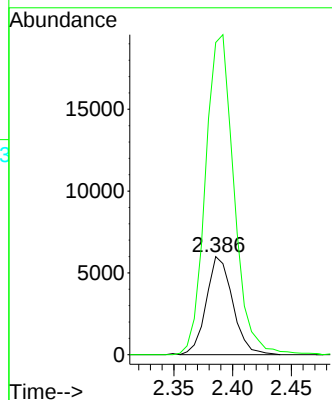


#15
Acetone
Concen: 24.97 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024065.D
Acq: 01 Sep 2021 15:04

Instrument :
MSVOA_X
ClientSampled :

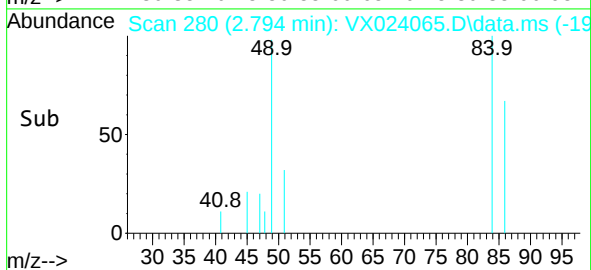
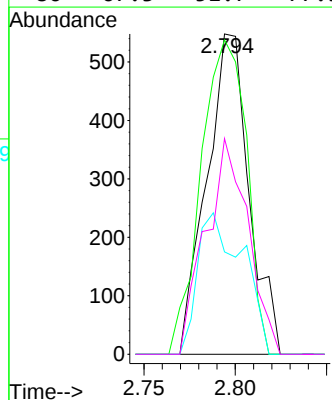
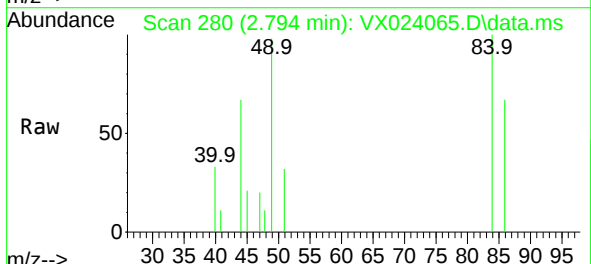


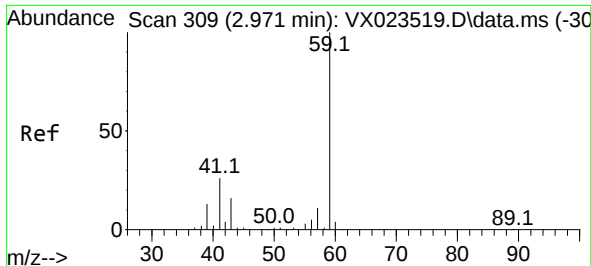
Tgt Ion: 58 Resp: 9355
Ion Ratio Lower Upper
58 100
43 316.8 266.6 400.0



#18
Methylene Chloride
Concen: 0.40 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX024065.D
Acq: 01 Sep 2021 15:04

Tgt Ion: 84 Resp: 884
Ion Ratio Lower Upper
84 100
49 98.2 104.3 156.5#
51 31.9 30.3 45.5
86 67.3 51.7 77.5

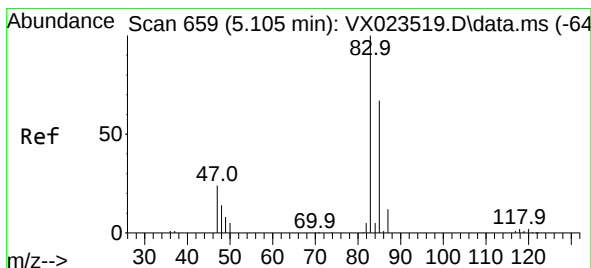
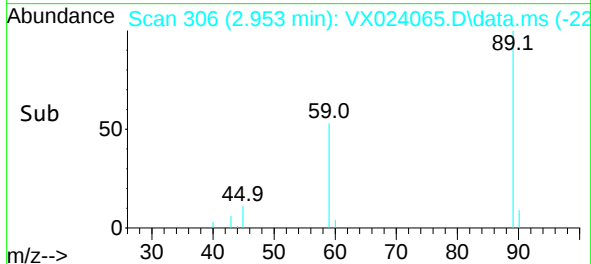
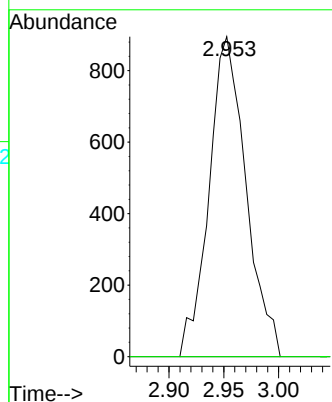
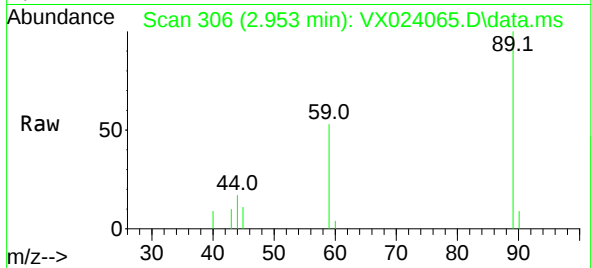




#23
tert-Butyl Alcohol
Concen: 3.74 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX024065.D
Acq: 01 Sep 2021 15:04

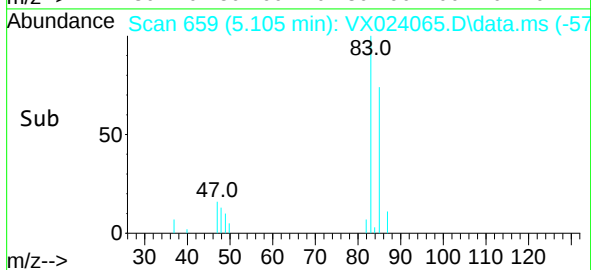
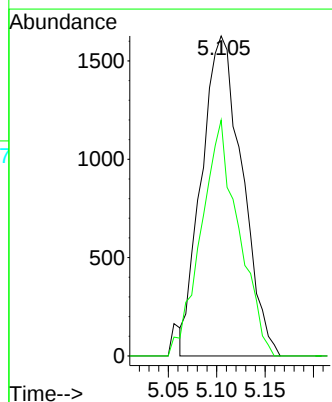
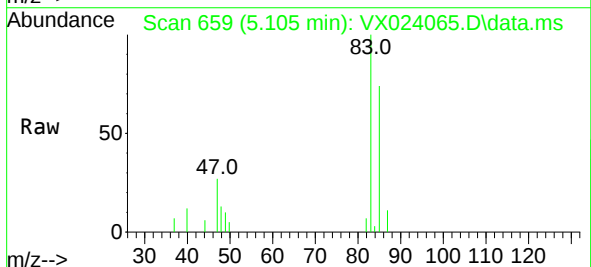
Instrument :
MSVOA_X
ClientSampled :

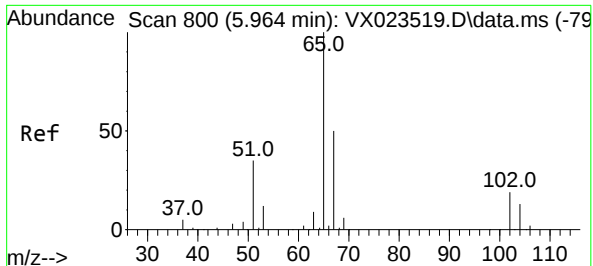
Tgt Ion: 59 Resp: 2099
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#25
Chloroform
Concen: 1.23 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX024065.D
Acq: 01 Sep 2021 15:04

Tgt Ion: 83 Resp: 4756
Ion Ratio Lower Upper
83 100
85 73.7 51.8 77.8





#27

1,2-Dichloroethane-d4

Concen: 33.56 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.000 min

Lab File: VX024065.D

Acq: 01 Sep 2021 15:04

Tgt Ion: 65 Resp: 83958

Ion Ratio Lower Upper

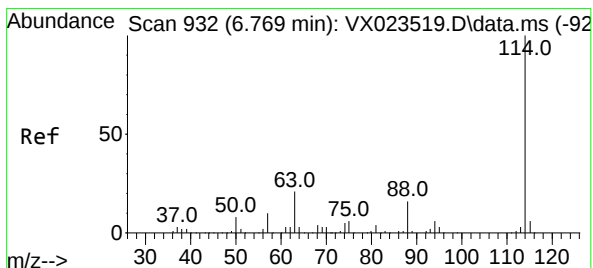
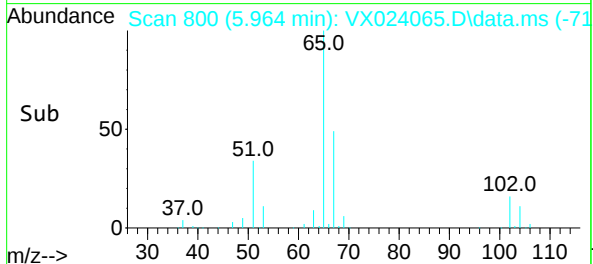
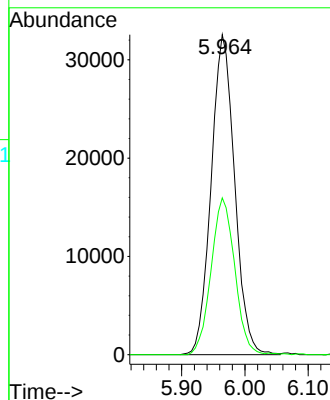
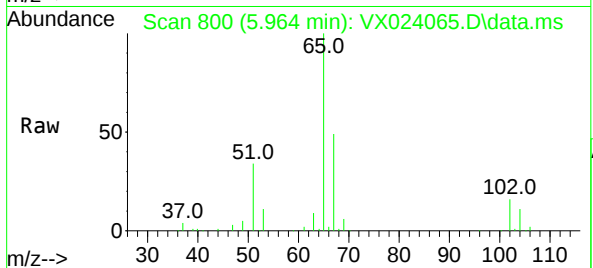
65 100

67 49.1 42.4 63.6

Instrument :

MSVOA_X

ClientSampled :



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX024065.D

Acq: 01 Sep 2021 15:04

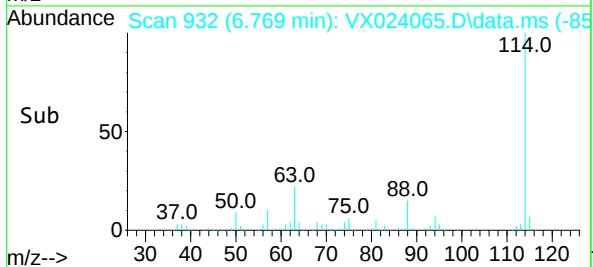
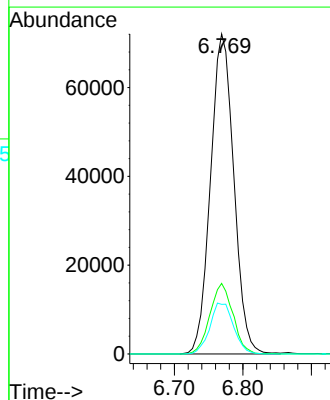
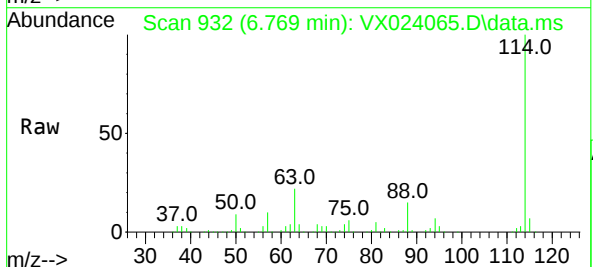
Tgt Ion: 114 Resp: 170399

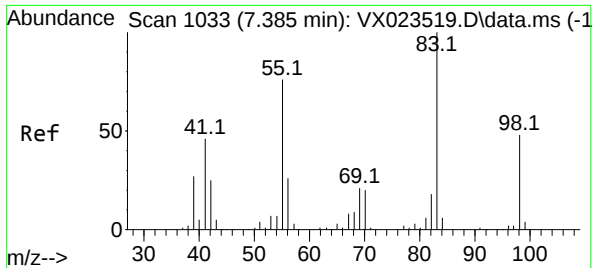
Ion Ratio Lower Upper

114 100

63 21.7 16.4 24.6

88 16.2 12.7 19.1

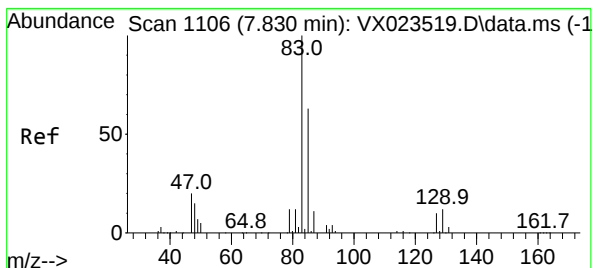
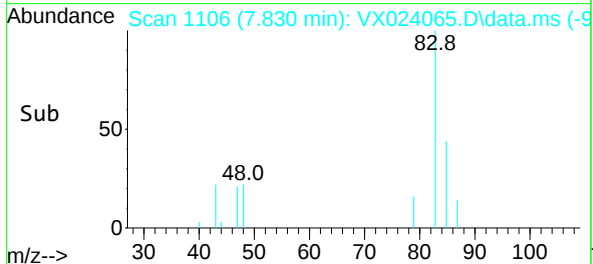
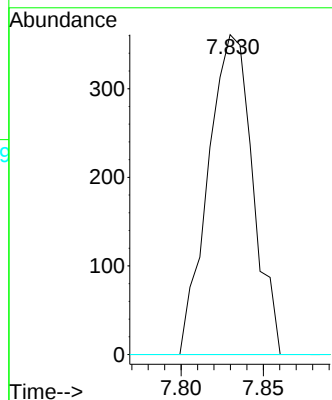
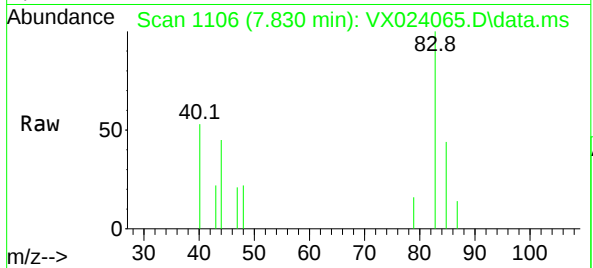




#38
Methylcyclohexane
Concen: 0.20 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.445 min
Lab File: VX024065.D
Acq: 01 Sep 2021 15:04

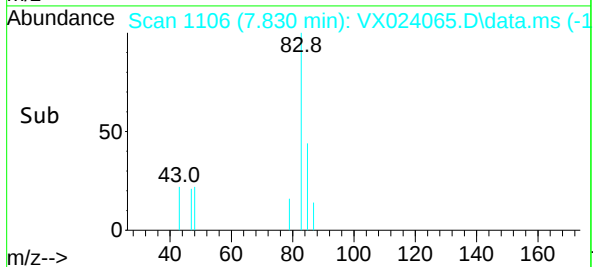
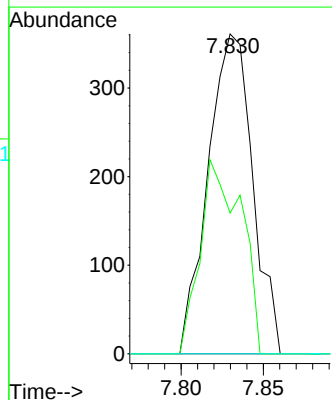
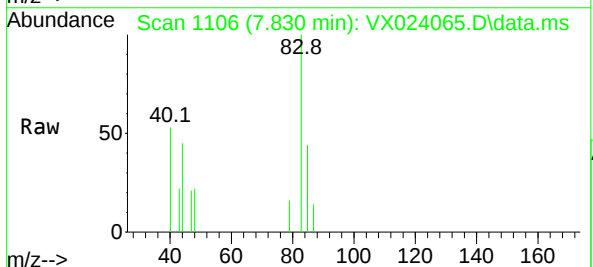
Instrument :
MSVOA_X
ClientSampled :

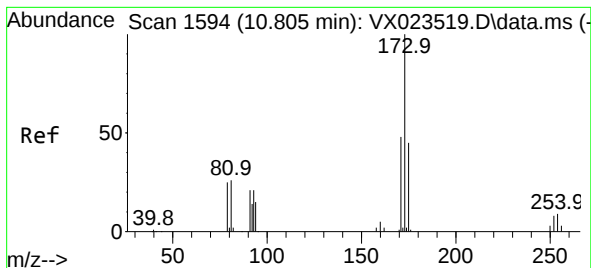
Tgt Ion: 83 Resp: 681
Ion Ratio Lower Upper
83 100
55 0.0 37.8 113.4#
98 0.0 23.4 70.3#



#41
Bromodichloromethane
Concen: 0.25 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VX024065.D
Acq: 01 Sep 2021 15:04

Tgt Ion: 83 Resp: 681
Ion Ratio Lower Upper
83 100
85 44.0 51.7 77.5#
127 0.0 7.4 11.0#





#56

Bromoform

Concen: 0.39 ug/l

RT: 11.079 min Scan# 1639

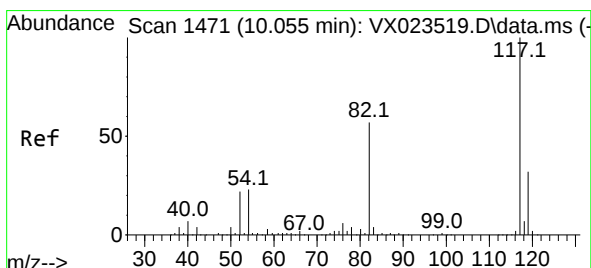
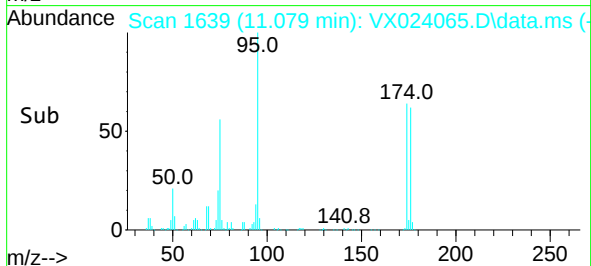
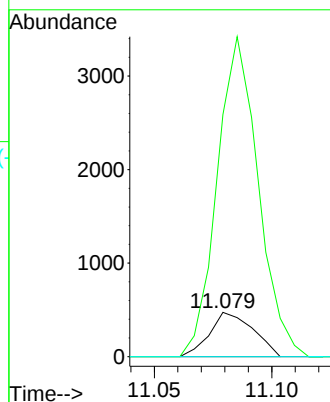
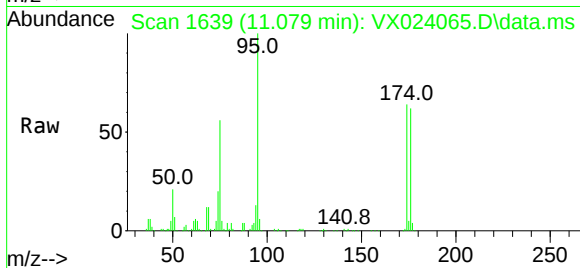
Delta R.T. 0.274 min

Lab File: VX024065.D

Acq: 01 Sep 2021 15:04

Tgt Ion:	173	Resp:	611
Ion Ratio	Lower	Upper	
173	100		
175	682.3	38.4	57.6#
254	0.0	7.3	10.9#

Instrument :
MSVOA_X
ClientSampled :



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

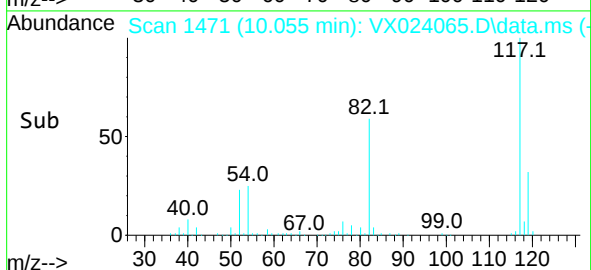
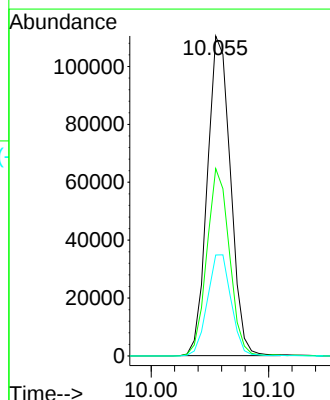
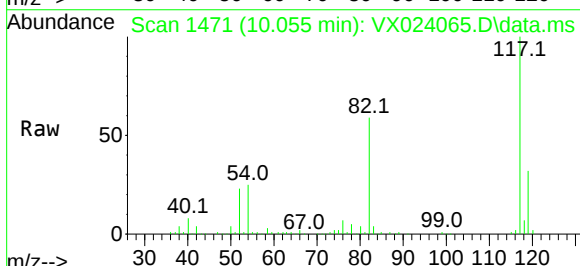
RT: 10.055 min Scan# 1471

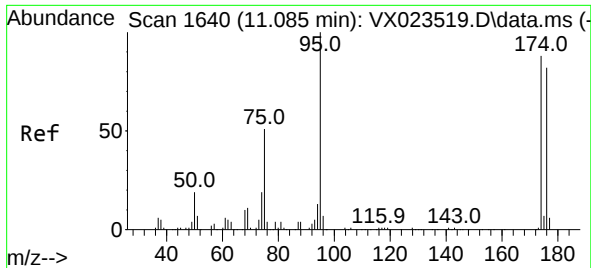
Delta R.T. -0.000 min

Lab File: VX024065.D

Acq: 01 Sep 2021 15:04

Tgt Ion:	117	Resp:	151140
Ion Ratio	Lower	Upper	
117	100		
82	57.1	45.0	67.4
119	32.5	26.2	39.2

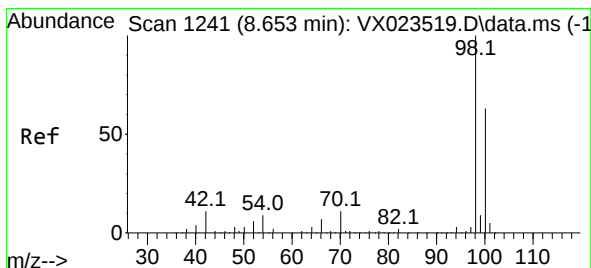
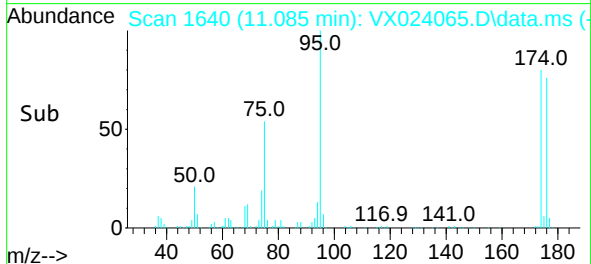
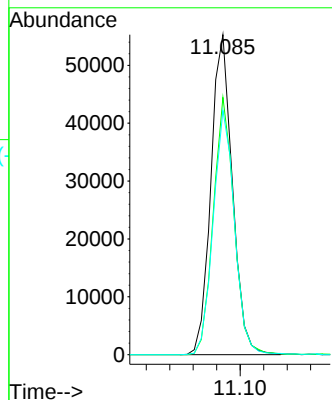
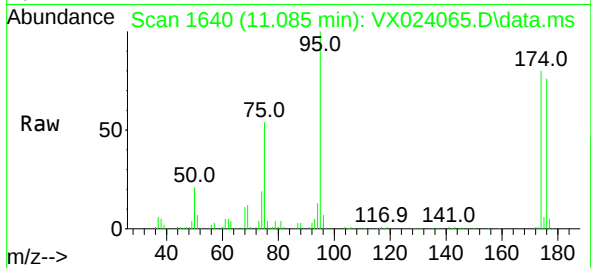




#60
4-Bromofluorobenzene
Concen: 28.38 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX024065.D
Acq: 01 Sep 2021 15:04

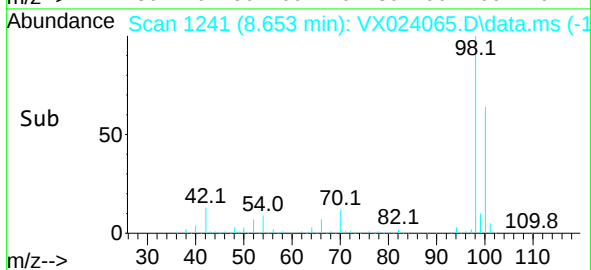
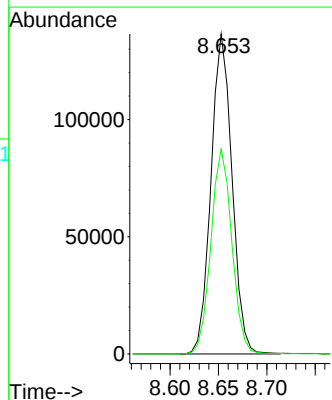
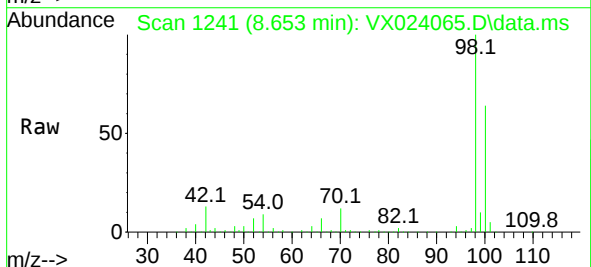
Instrument :
MSVOA_X
ClientSampled :

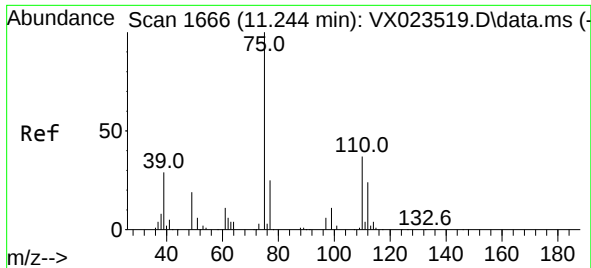
Tgt Ion: 95 Resp: 70252
Ion Ratio Lower Upper
95 100
174 78.0 63.5 95.3
176 75.6 63.0 94.4



#63
Toluene-d8
Concen: 30.36 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024065.D
Acq: 01 Sep 2021 15:04

Tgt Ion: 98 Resp: 206522
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0

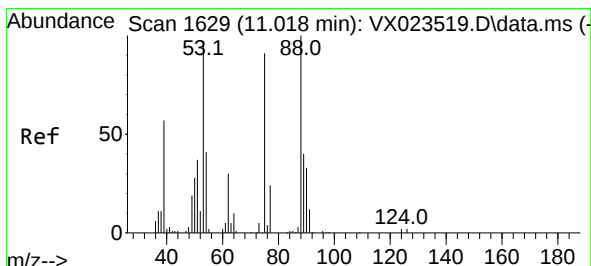
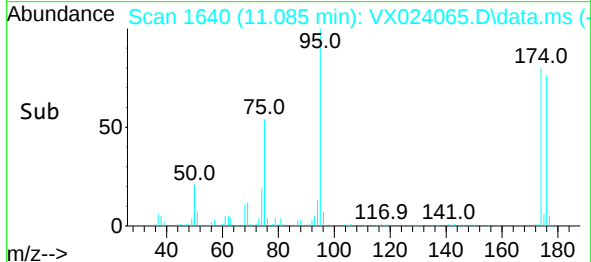
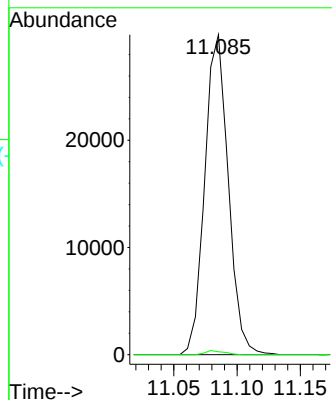
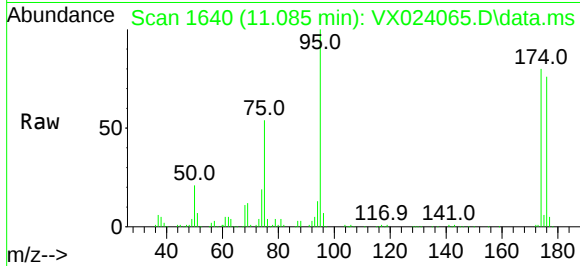




#72
1,2,3-Trichloropropane
Concen: 13.61 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024065.D
Acq: 01 Sep 2021 15:04

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 38718
Ion Ratio Lower Upper
75 100
77 1.0 0.0 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 38.13 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX024065.D
Acq: 01 Sep 2021 15:04

Tgt Ion: 75 Resp: 38718
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.9 68.7#

