

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080921\
 Data File : VX023605.D
 Acq On : 09 Aug 2021 11:33
 Operator : JC/MD
 Sample : VX0809WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBL01

Quant Time: Aug 10 03:57:34 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)

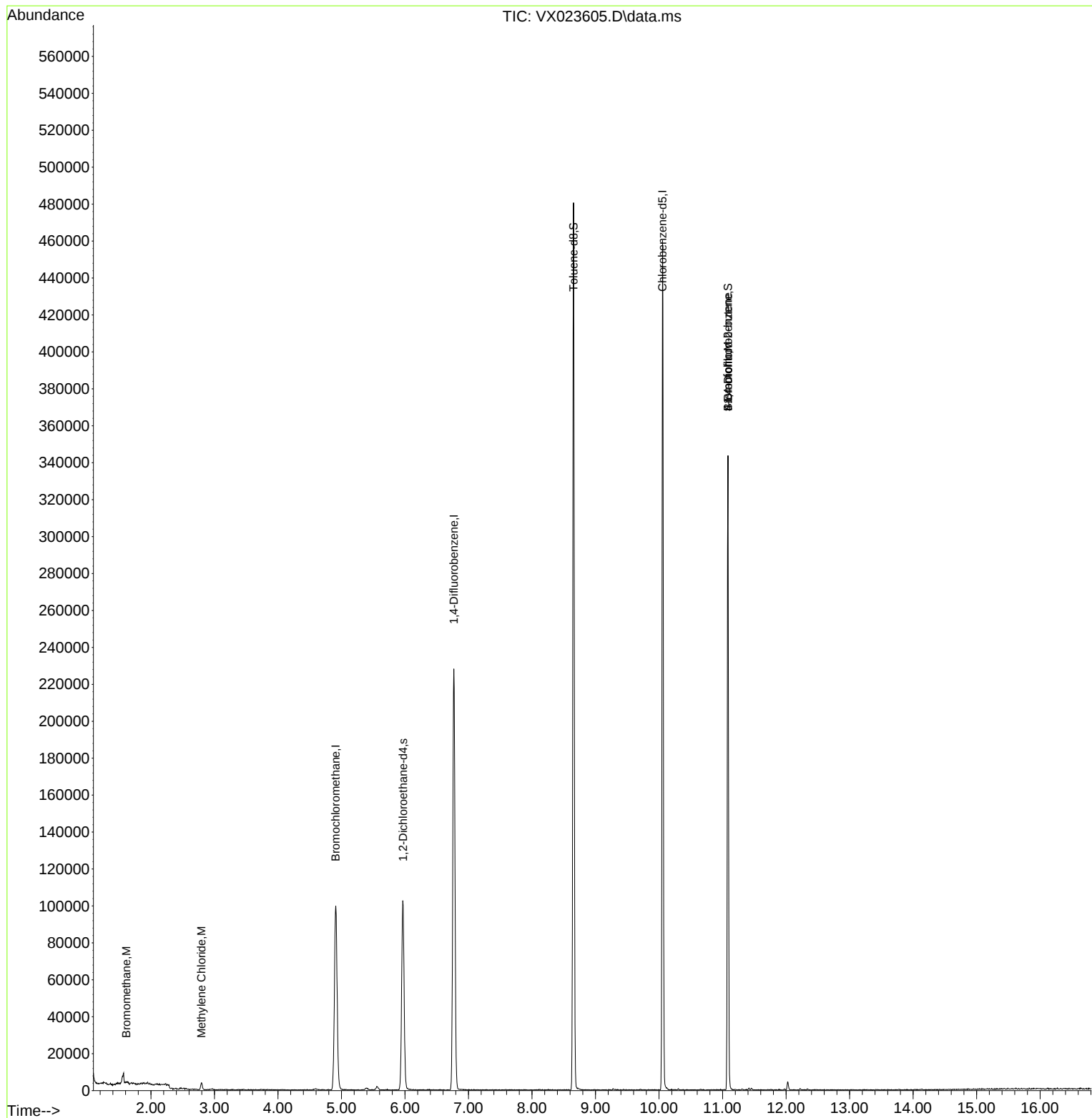
Internal Standards						
1) Bromochloromethane	4.910	128	42714	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	233550	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	200878	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.970	65	100281	30.36	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.20%
60) 4-Bromofluorobenzene	11.085	95	87184	26.50	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.33%
63) Toluene-d8	8.653	98	278255	30.78	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.60%
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	365	0.22	ug/l	95
18) Methylene Chloride	2.794	84	1584	0.54	ug/l	94
56) Bromoform	11.085	173	736	0.35	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.085	75	46344	34.34	ug/l #	7

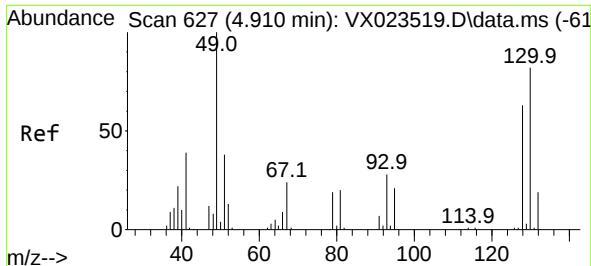
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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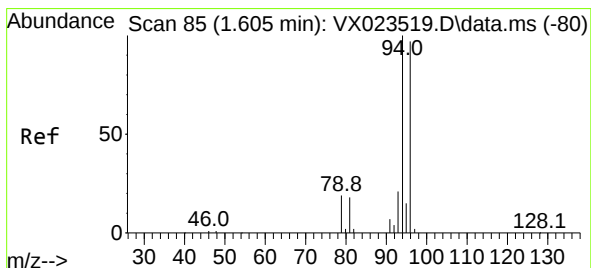
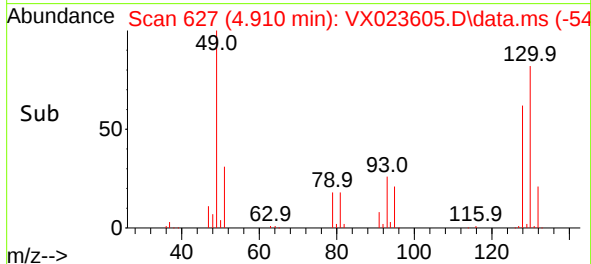
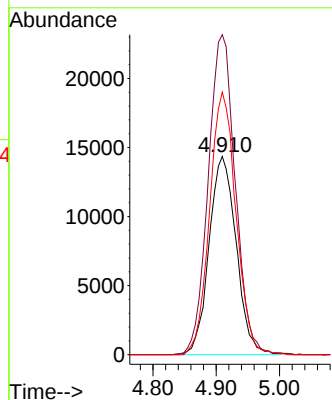
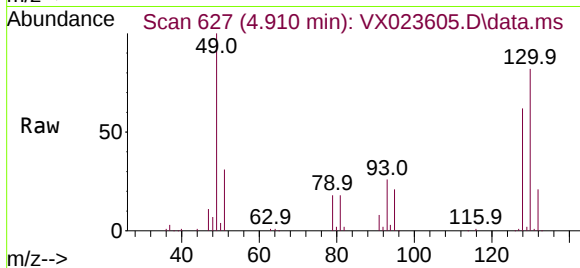




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX023605.D
Acq: 09 Aug 2021 11:33

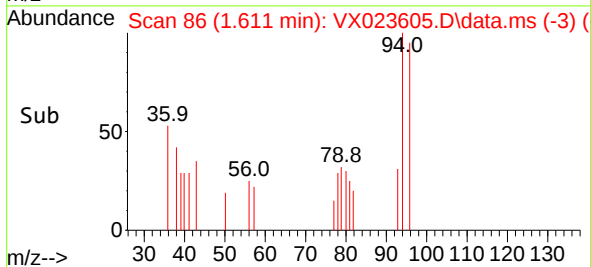
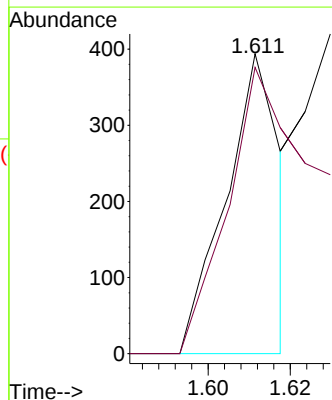
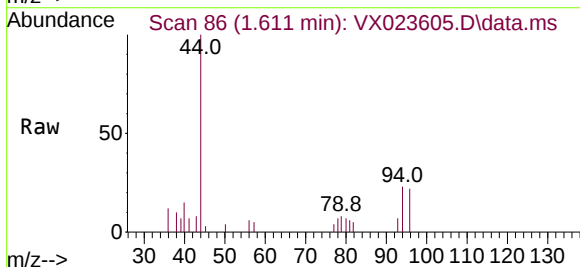
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

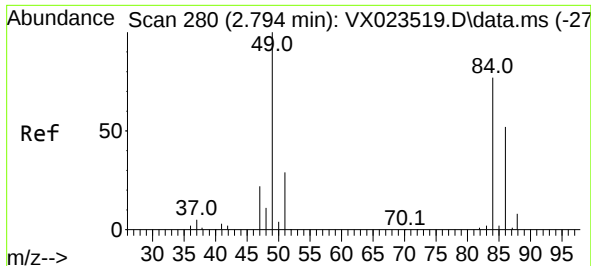
Tgt Ion:128 Resp: 42714
Ion Ratio Lower Upper
128 100
49 160.9 0.0 402.5
130 129.2 0.0 326.5



#5
Bromomethane
Concen: 0.22 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX023605.D
Acq: 09 Aug 2021 11:33

Tgt Ion: 94 Resp: 365
Ion Ratio Lower Upper
94 100
96 95.4 72.8 109.2

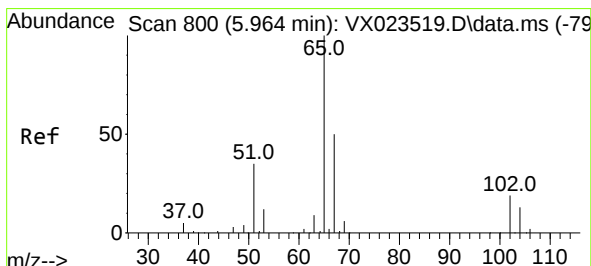
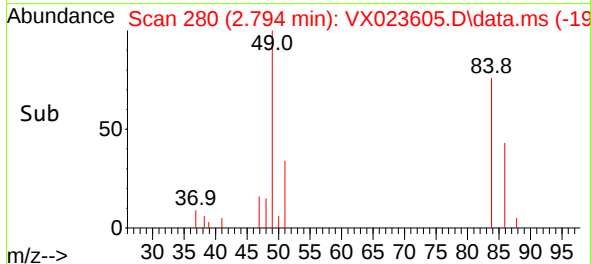
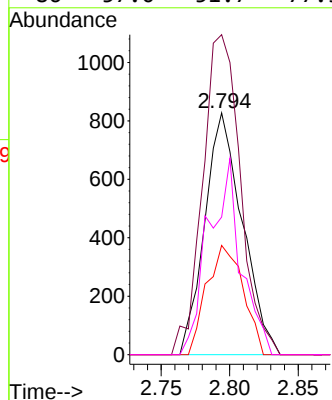
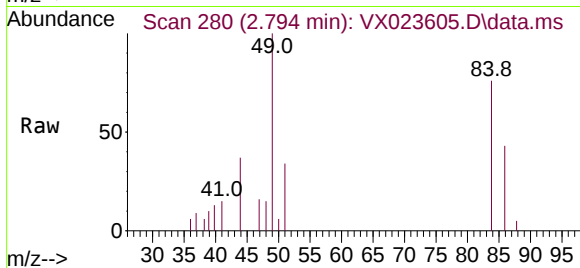




#18
Methylene Chloride
Concen: 0.54 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023605.D
Acq: 09 Aug 2021 11:33

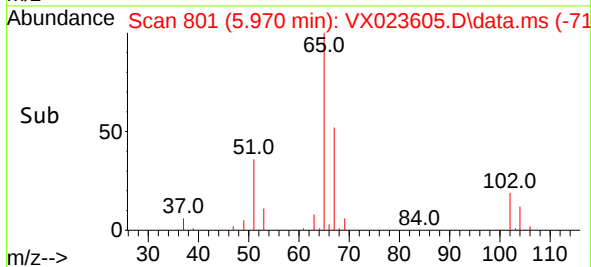
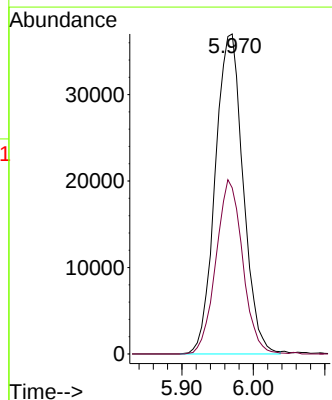
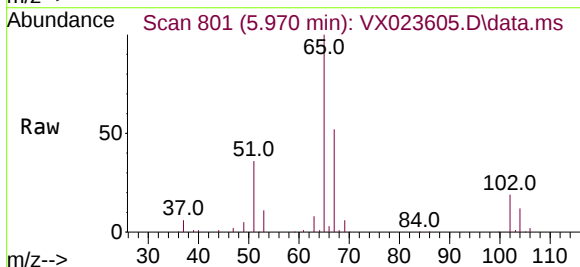
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

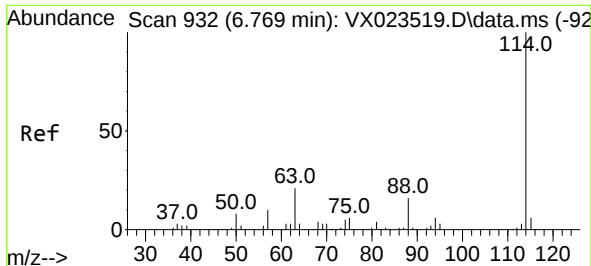
Tgt Ion:	84	Resp:	1584
Ion	Ratio	Lower	Upper
84	100		
49	132.4	104.3	156.5
51	45.2	30.3	45.5
86	57.0	51.7	77.5



#27
1,2-Dichloroethane-d4
Concen: 30.36 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023605.D
Acq: 09 Aug 2021 11:33

Tgt Ion:	65	Resp:	100281
Ion	Ratio	Lower	Upper
65	100		
67	52.0	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: VX023605.D

Acq: 09 Aug 2021 11:33

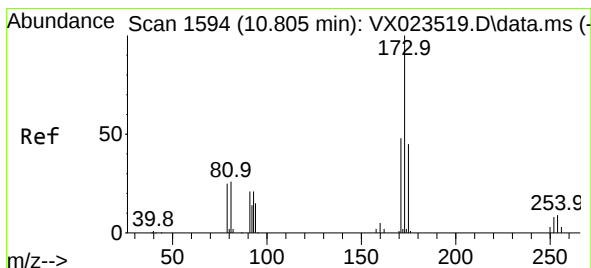
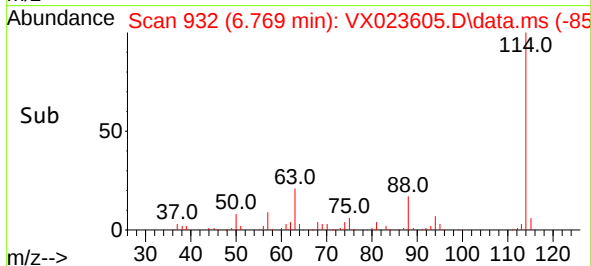
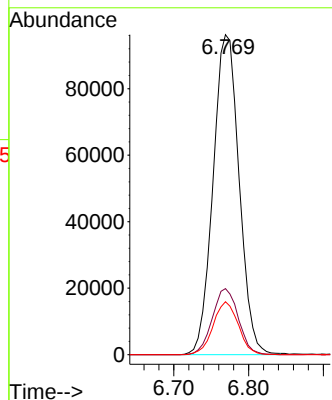
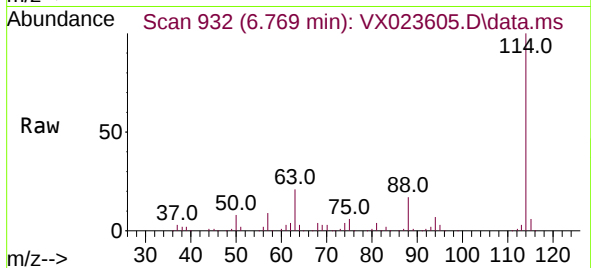
Tgt Ion:114 Resp: 233550

Ion Ratio Lower Upper

114 100

63 20.6 16.4 24.6

88 16.0 12.7 19.1



#56

Bromoform

Concen: 0.35 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.280 min

Lab File: VX023605.D

Acq: 09 Aug 2021 11:33

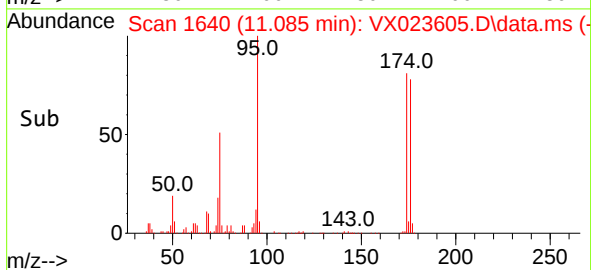
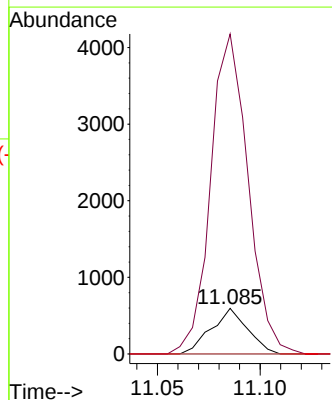
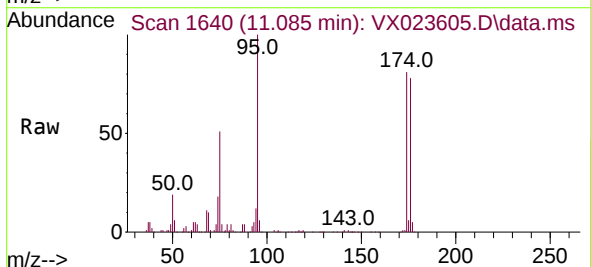
Tgt Ion:173 Resp: 736

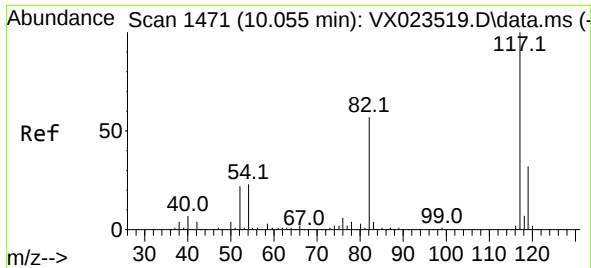
Ion Ratio Lower Upper

173 100

175 720.2 38.4 57.6#

254 0.0 7.3 10.9#



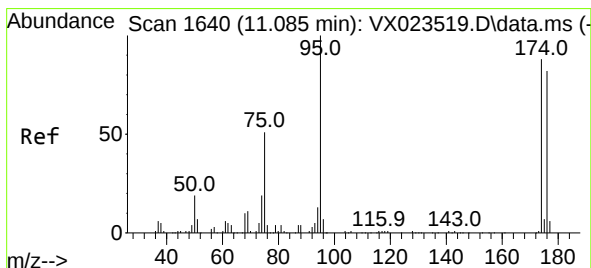
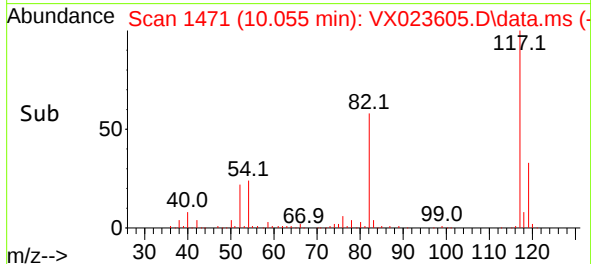
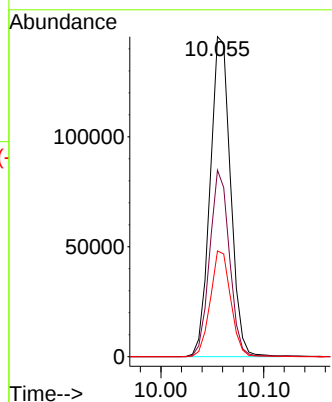
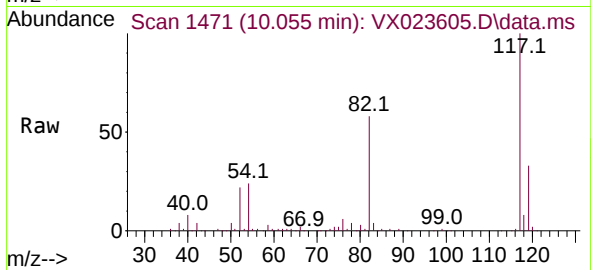


#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023605.D
Acq: 09 Aug 2021 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

Tgt Ion:117 Resp: 200878

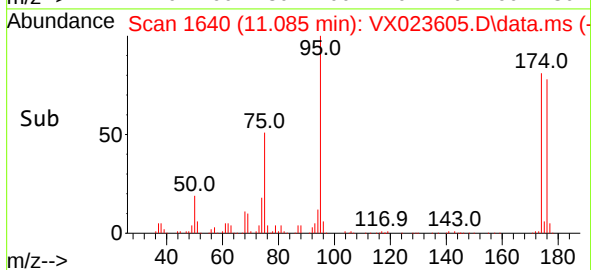
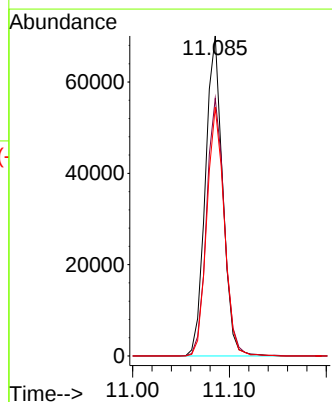
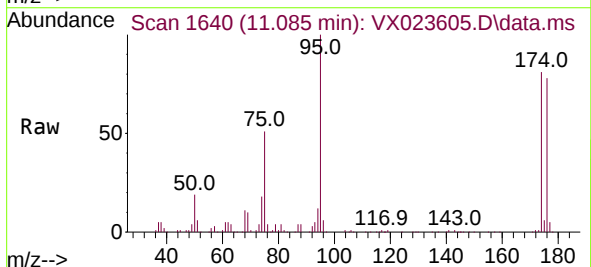
Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.0	67.4
119	32.8	26.2	39.2

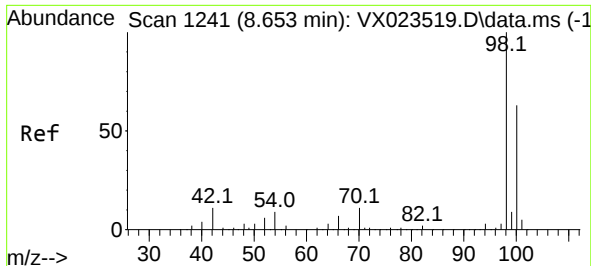


#60
4-Bromofluorobenzene
Concen: 26.50 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023605.D
Acq: 09 Aug 2021 11:33

Tgt Ion: 95 Resp: 87184

Ion	Ratio	Lower	Upper
95	100		
174	82.0	63.5	95.3
176	77.9	63.0	94.4

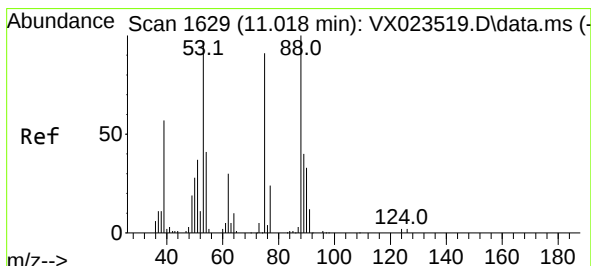
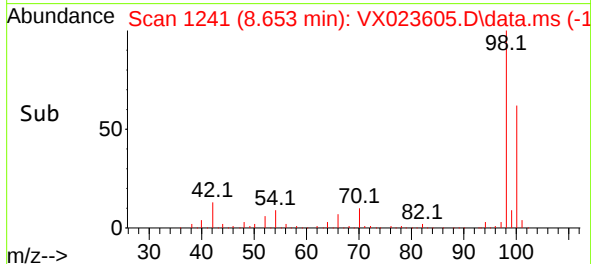
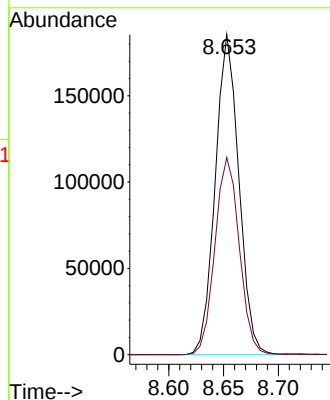
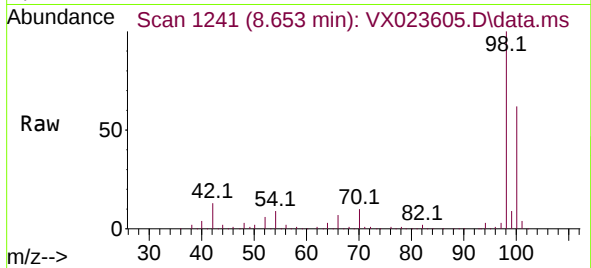




#63
Toluene-d8
Concen: 30.78 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023605.D
Acq: 09 Aug 2021 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

Tgt Ion: 98 Resp: 278255
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.0



#77
t-1,4-Dichloro-2-butene
Concen: 34.34 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX023605.D
Acq: 09 Aug 2021 11:33

Tgt Ion: 75 Resp: 46344
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.9 68.7#

