

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080421\
 Data File : VX023539.D
 Acq On : 04 Aug 2021 13:34
 Operator : JC/MD
 Sample : M3283-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 05 05:18:32 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)

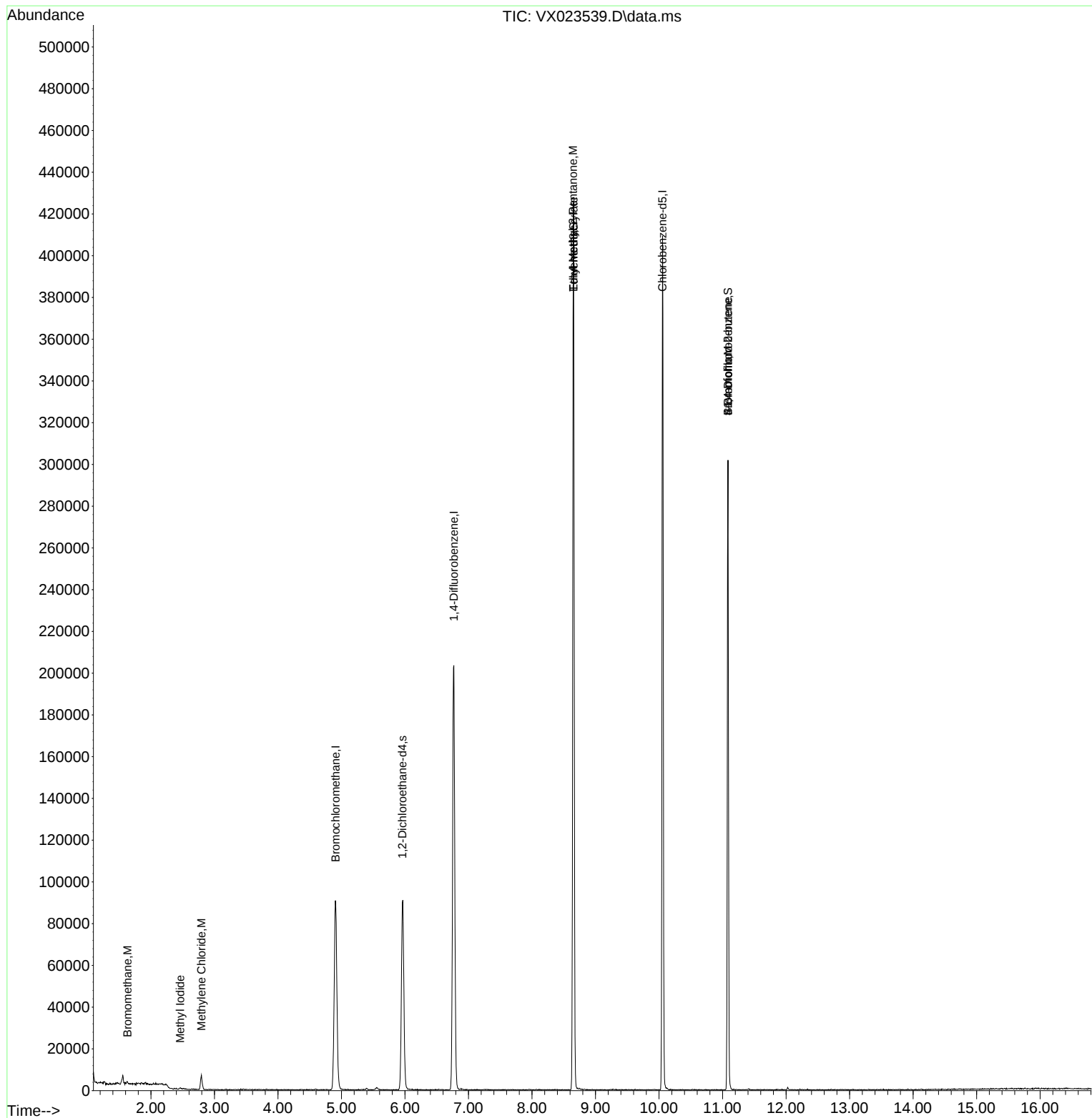
Internal Standards						
1) Bromochloromethane	4.910	128	38690	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	208070	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	182521	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	88298	29.511	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.367%
60) 4-Bromofluorobenzene	11.085	95	76954	25.741	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.800%
63) Toluene-d8	8.653	98	247265	30.101	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.333%
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	534	0.353	ug/l	97
11) Methyl Iodide	2.459	142	663	0.211	ug/l #	77
18) Methylene Chloride	2.794	84	2904	1.102	ug/l #	87
51) Ethyl methacrylate	8.653	69	899	0.218	ug/l #	51
56) Bromoform	11.085	173	658	0.348	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	1109	0.282	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.085	75	39898	32.539	ug/l #	7

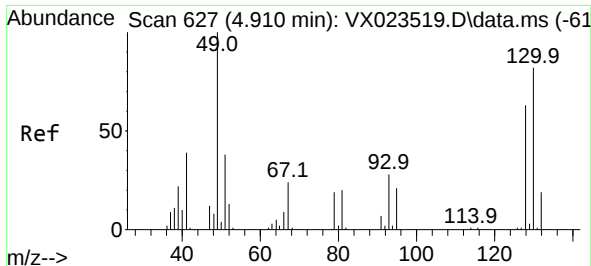
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 03 12:05:42 2021
Response via : Initial Calibration

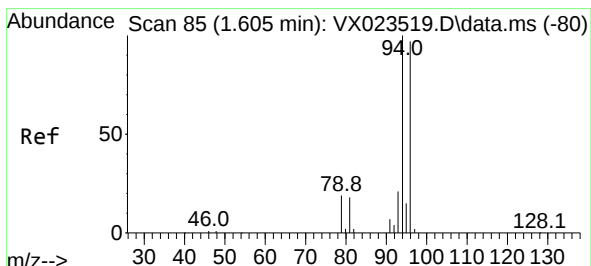
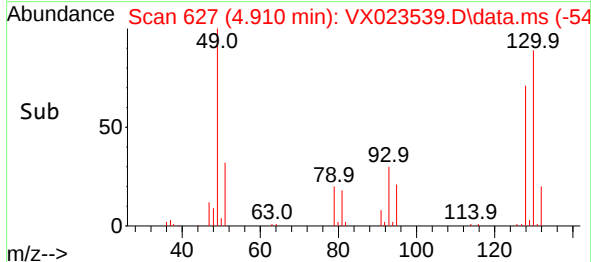
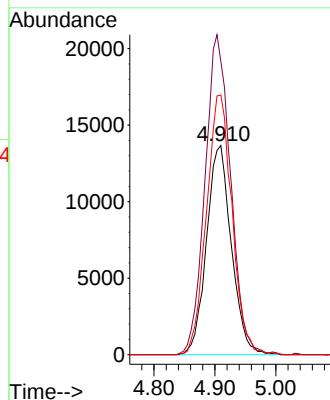
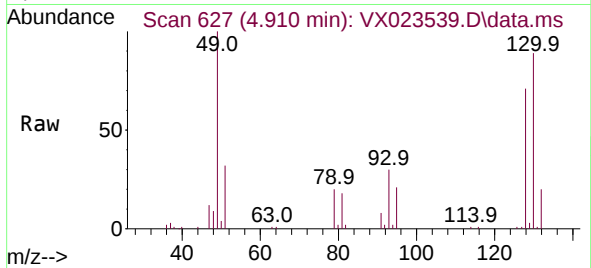




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX023539.D
Acq: 04 Aug 2021 13:34

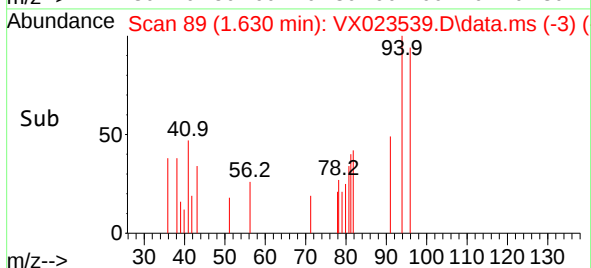
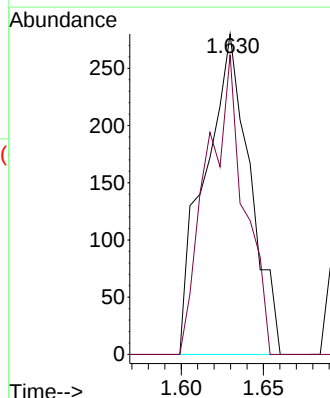
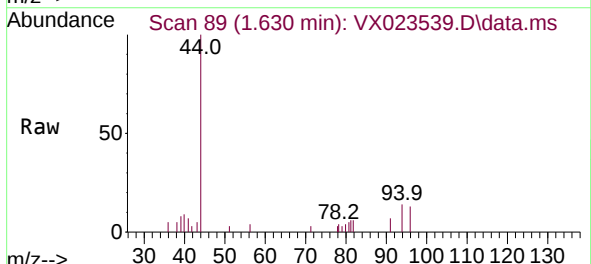
Instrument :
MSVOA_X
ClientSampleId :

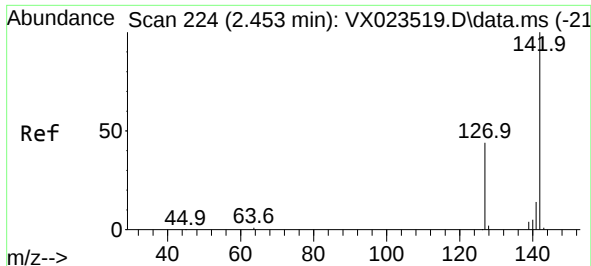
Tgt Ion:128 Resp: 38690
Ion Ratio Lower Upper
128 100
49 157.7 0.0 402.5
130 127.4 0.0 326.5



#5
Bromomethane
Concen: 0.353 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.024 min
Lab File: VX023539.D
Acq: 04 Aug 2021 13:34

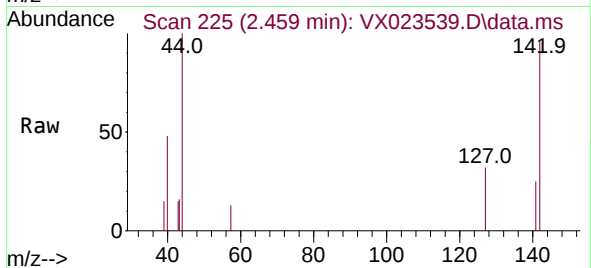
Tgt Ion: 94 Resp: 534
Ion Ratio Lower Upper
94 100
96 93.6 72.8 109.2



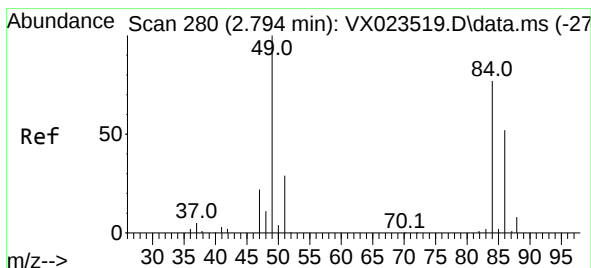
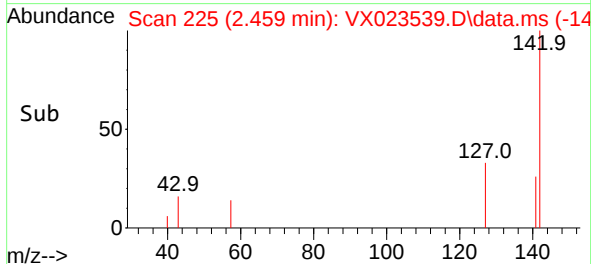
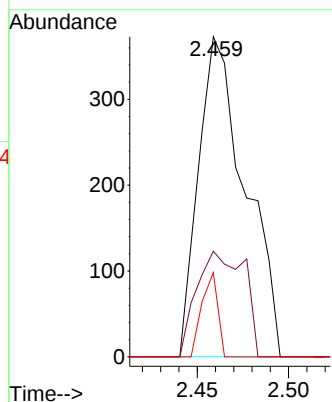


#11
Methyl Iodide
Concen: 0.211 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023539.D
Acq: 04 Aug 2021 13:34

Instrument :
MSVOA_X
ClientSampled :

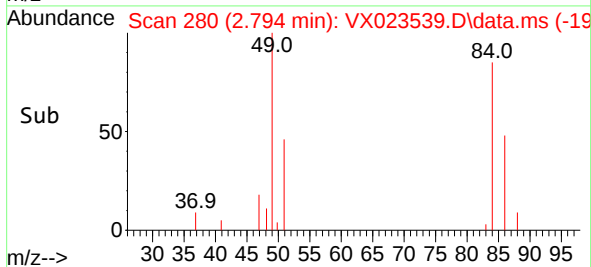
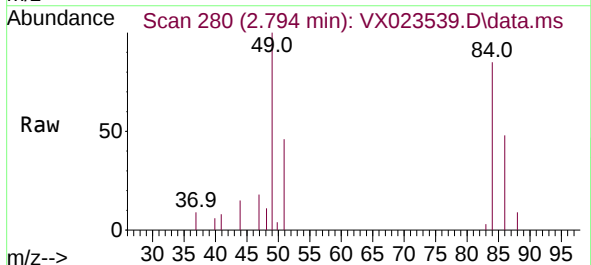
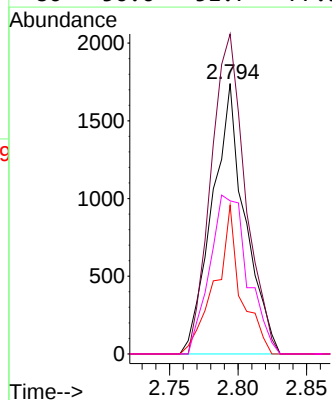


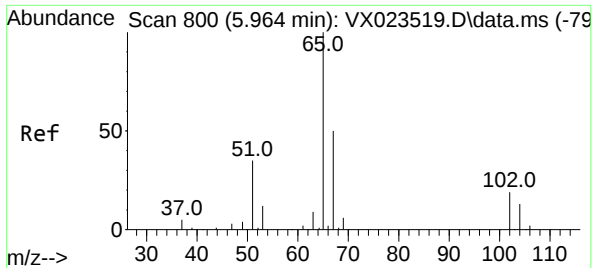
Tgt Ion:142 Resp: 663
Ion Ratio Lower Upper
142 100
127 33.0 23.6 71.0
141 26.3 7.1 21.3#



#18
Methylene Chloride
Concen: 1.102 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023539.D
Acq: 04 Aug 2021 13:34

Tgt Ion: 84 Resp: 2904
Ion Ratio Lower Upper
84 100
49 118.3 104.3 156.5
51 55.0 30.3 45.5#
86 56.6 51.7 77.5

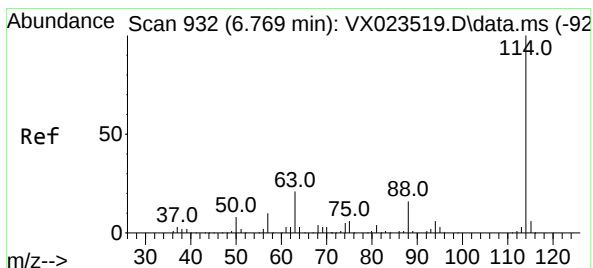
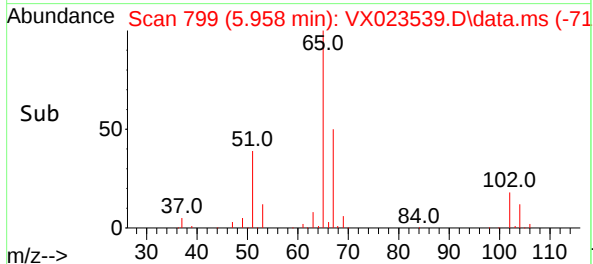
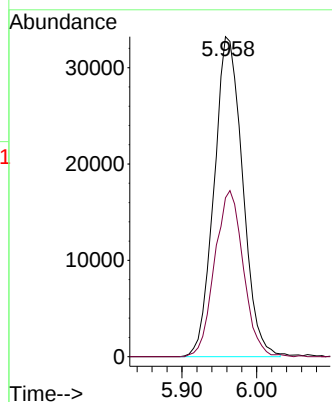
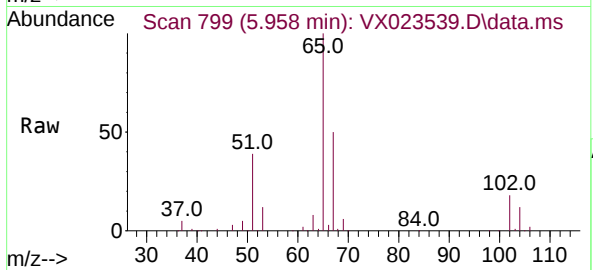




#27
1,2-Dichloroethane-d4
Concen: 29.511 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX023539.D
Acq: 04 Aug 2021 13:34

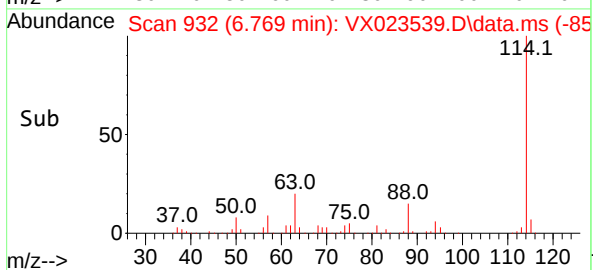
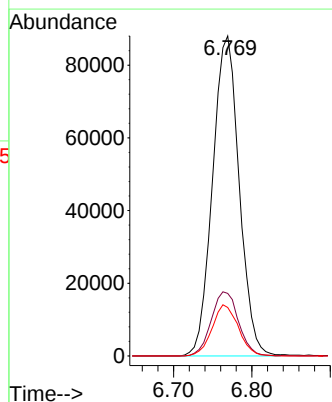
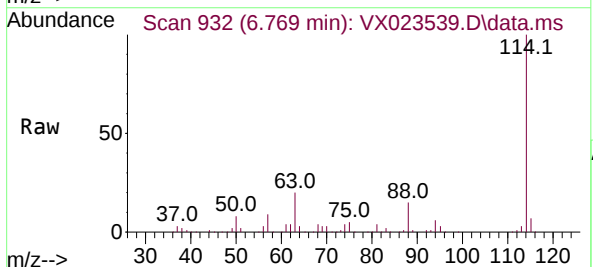
Instrument :
MSVOA_X
ClientSampled :

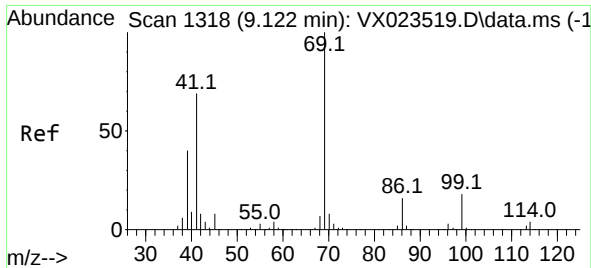
Tgt Ion: 65 Resp: 88298
Ion Ratio Lower Upper
65 100
67 51.9 42.4 63.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023539.D
Acq: 04 Aug 2021 13:34

Tgt Ion: 114 Resp: 208070
Ion Ratio Lower Upper
114 100
63 20.6 16.4 24.6
88 15.8 12.7 19.1

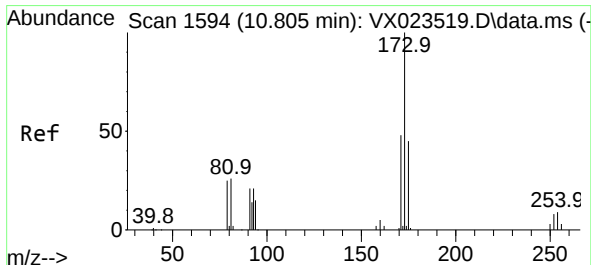
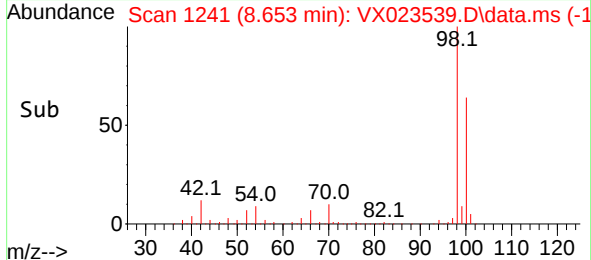
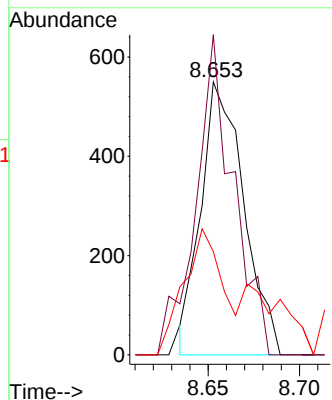
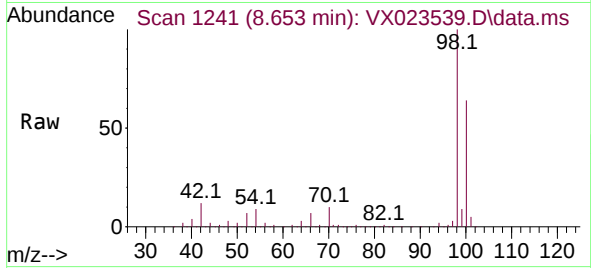




#51
Ethyl methacrylate
Concen: 0.218 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.469 min
Lab File: VX023539.D
Acq: 04 Aug 2021 13:34

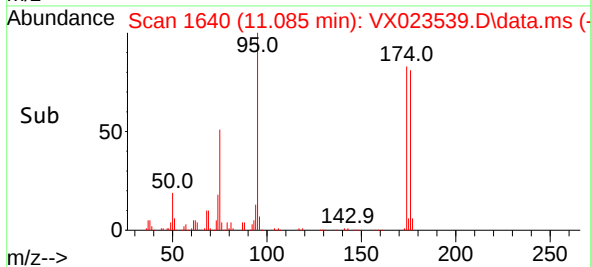
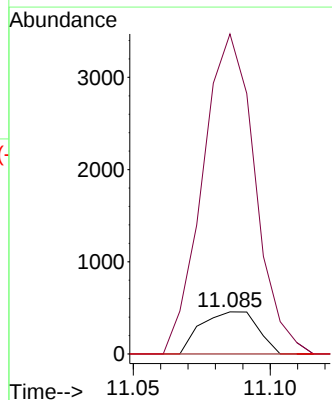
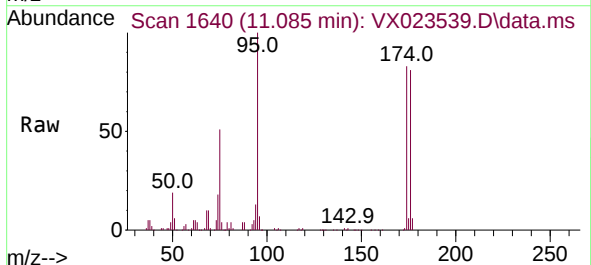
Instrument :
MSVOA_X
ClientSampleId :

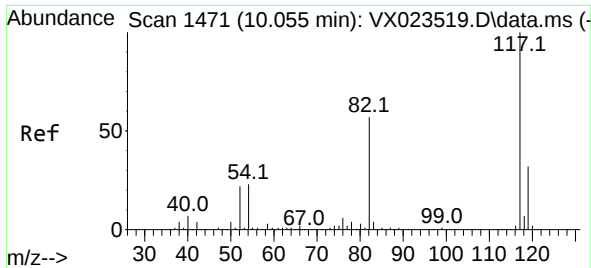
Tgt Ion: 69 Resp: 899
Ion Ratio Lower Upper
69 100
41 117.3 35.8 107.3#
39 17.5 20.3 60.8#



#56
Bromoform
Concen: 0.348 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.280 min
Lab File: VX023539.D
Acq: 04 Aug 2021 13:34

Tgt Ion:173 Resp: 658
Ion Ratio Lower Upper
173 100
175 702.0 38.4 57.6#
254 0.0 7.3 10.9#

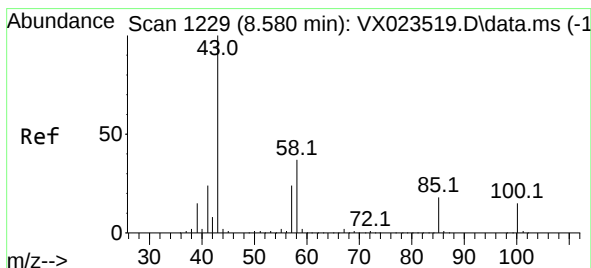
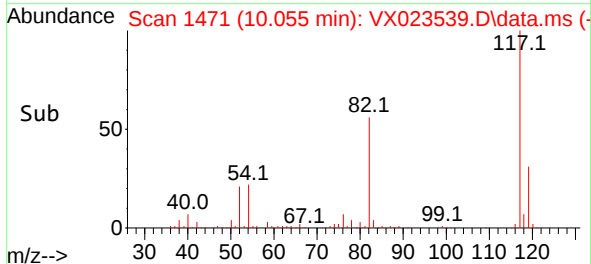
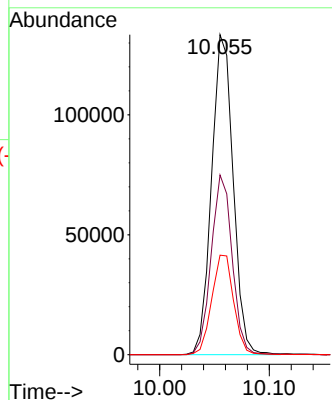
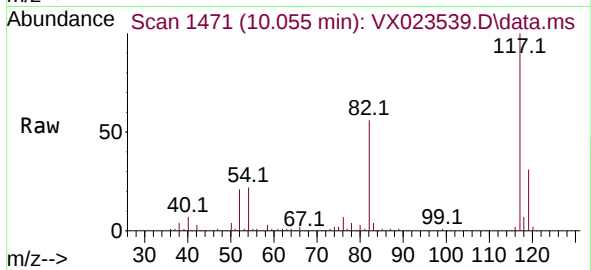




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023539.D
Acq: 04 Aug 2021 13:34

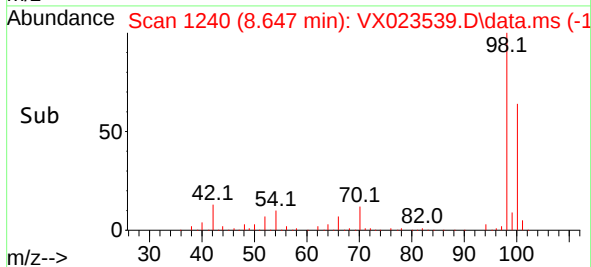
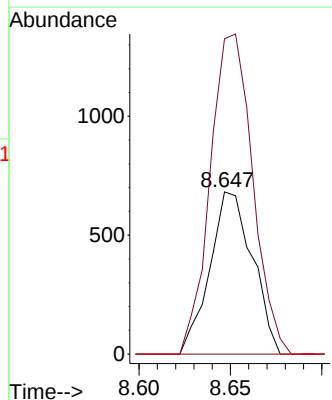
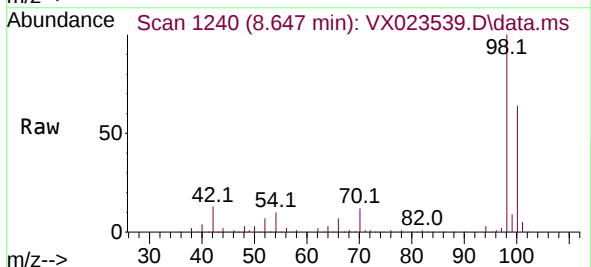
Instrument :
MSVOA_X
ClientSampled :

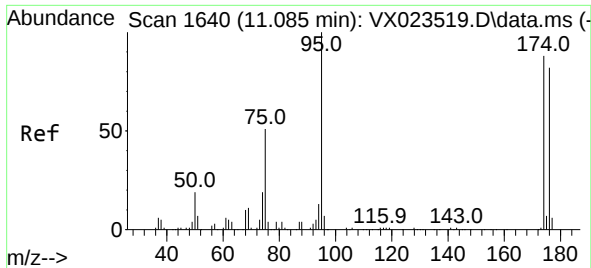
Tgt Ion:117 Resp: 182521
Ion Ratio Lower Upper
117 100
82 54.8 45.0 67.4
119 31.7 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 0.282 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX023539.D
Acq: 04 Aug 2021 13:34

Tgt Ion: 43 Resp: 1109
Ion Ratio Lower Upper
43 100
58 196.4 30.5 45.7#
85 0.0 14.0 21.0#

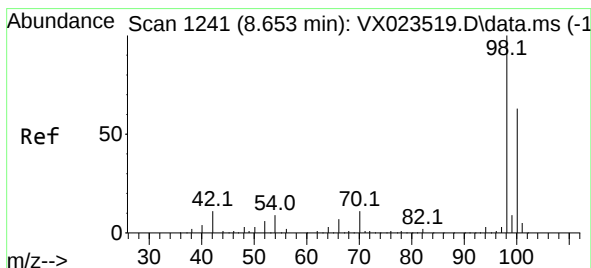
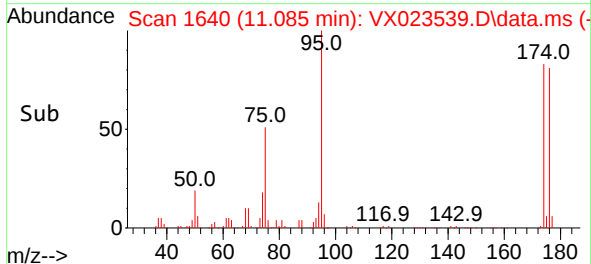
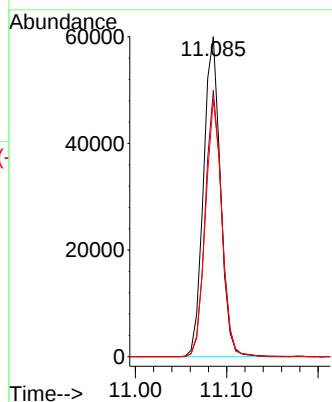
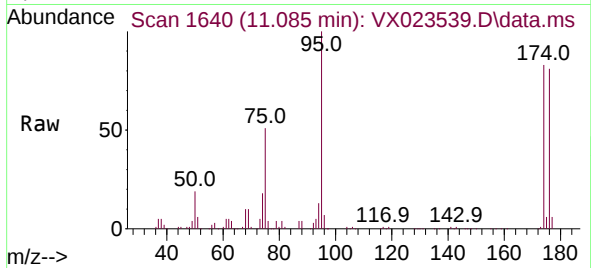




#60
4-Bromofluorobenzene
Concen: 25.741 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX023539.D
Acq: 04 Aug 2021 13:34

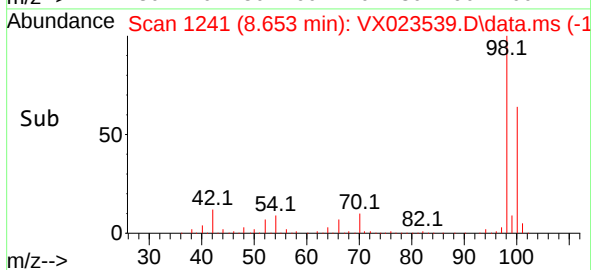
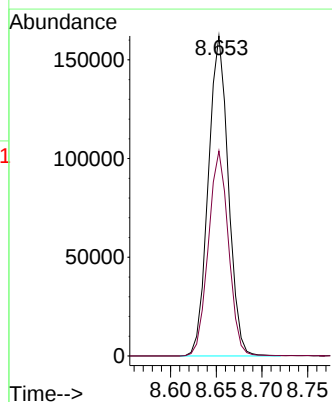
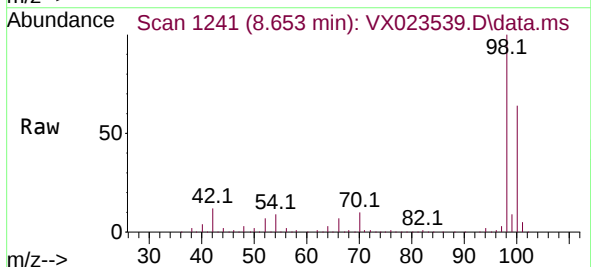
Instrument :
MSVOA_X
ClientSampleId :

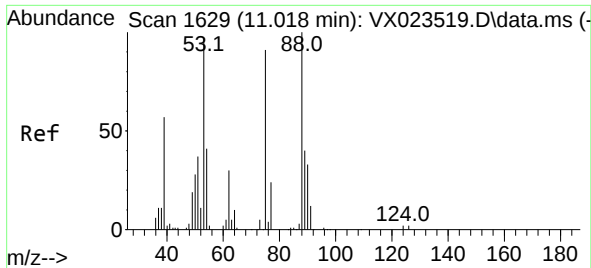
Tgt Ion: 95 Resp: 76954
Ion Ratio Lower Upper
95 100
174 80.3 63.5 95.3
176 77.8 63.0 94.4



#63
Toluene-d8
Concen: 30.101 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023539.D
Acq: 04 Aug 2021 13:34

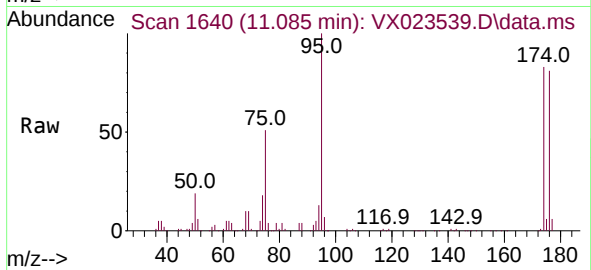
Tgt Ion: 98 Resp: 247265
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.539 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.067 min
 Lab File: VX023539.D
 Acq: 04 Aug 2021 13:34

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	39898
Ion	Ratio	Lower	Upper
75	100		
53	0.0	53.9	161.7#
89	0.0	22.9	68.7#

