

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082221\
 Data File : VX023893.D
 Acq On : 20 Aug 2021 21:29
 Operator : JC/MD
 Sample : M3479-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 21 01:11:25 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)

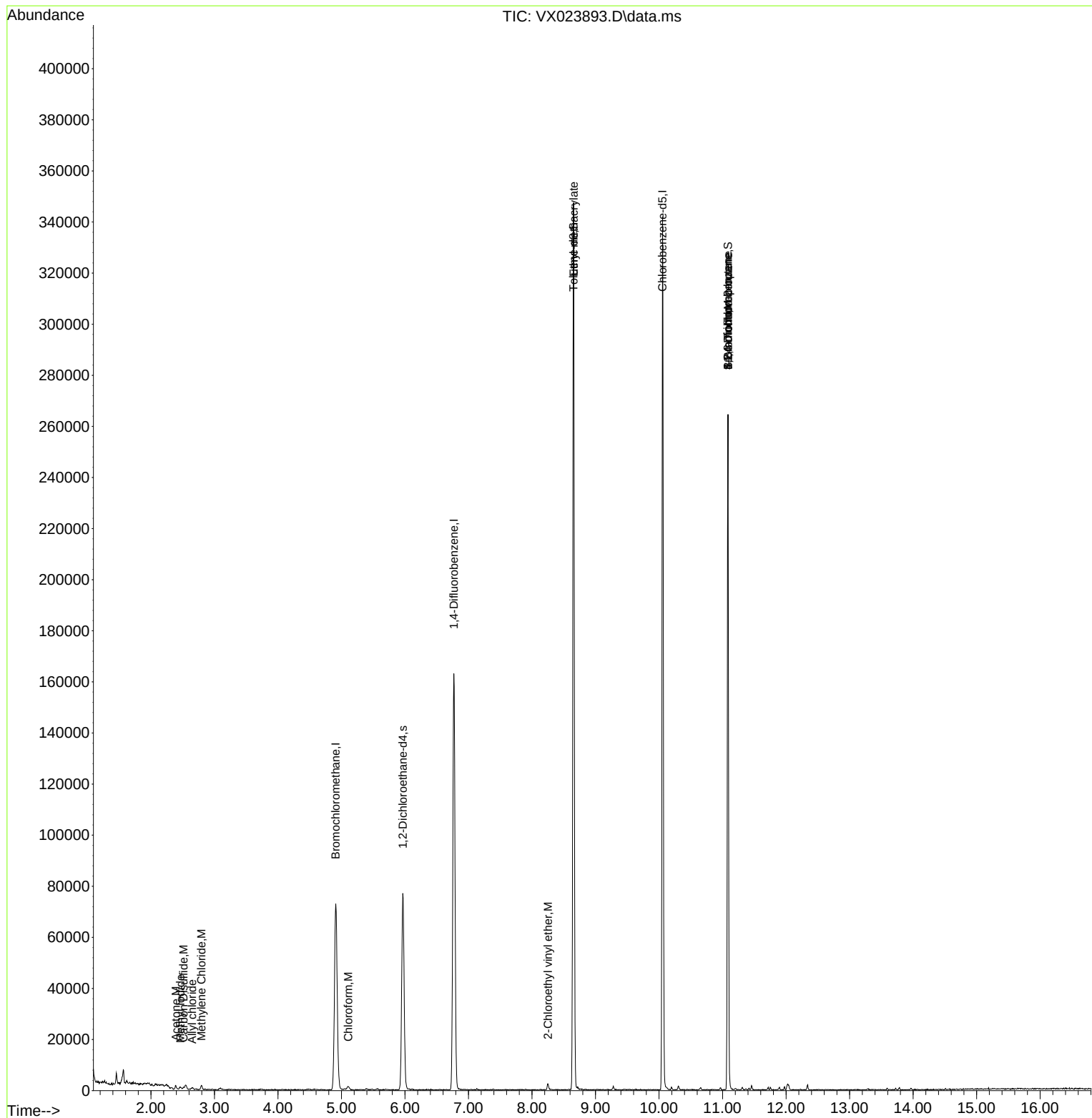
Internal Standards						
1) Bromochloromethane	4.910	128	31289	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	164026	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	147246	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	75418	31.168	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.900%
60) 4-Bromofluorobenzene	11.085	95	66091	27.403	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.333%
63) Toluene-d8	8.653	98	199977	30.176	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.600%
Target Compounds						
						Qvalue
11) Methyl Iodide	2.465	142	1078	0.423	ug/l #	88
15) Acetone	2.392	58	400	1.104	ug/l #	27
16) Carbon Disulfide	2.514	76	959	0.214	ug/l #	54
17) Allyl chloride	2.648	41	735	0.219	ug/l #	39
18) Methylene Chloride	2.794	84	656	0.308	ug/l #	72
25) Chloroform	5.105	83	1131	0.303	ug/l #	79
51) Ethyl methacrylate	8.659	69	761	0.234	ug/l	78
55) 2-Chloroethyl vinyl ether	8.251	63	1057	0.650	ug/l #	81
56) Bromoform	11.085	173	644	0.432	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	36004	12.993	ug/l	38
77) t-1,4-Dichloro-2-butene	11.085	75	36004	36.398	ug/l #	7

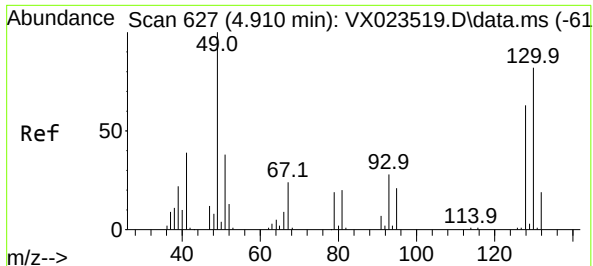
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Aug 03 12:05:42 2021
Response via : Initial Calibration

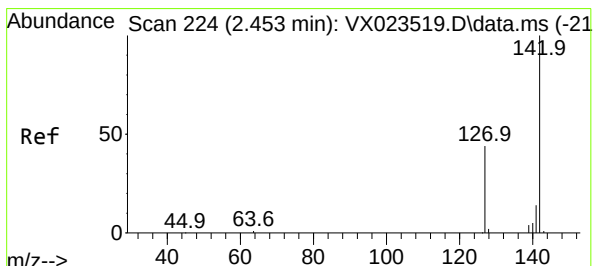
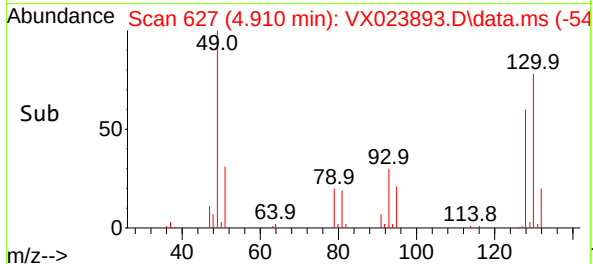
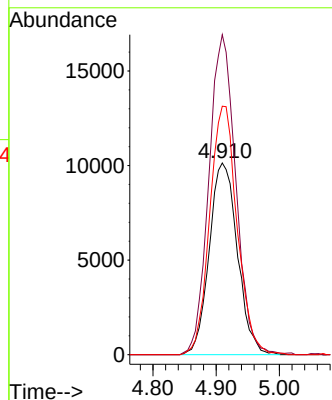
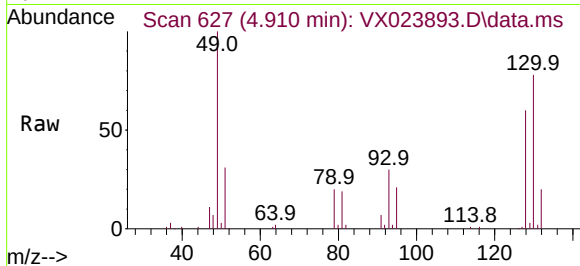




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX023893.D
Acq: 20 Aug 2021 21:29

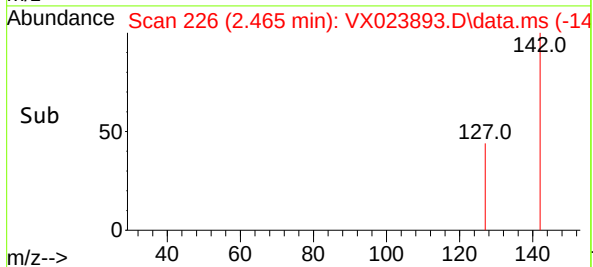
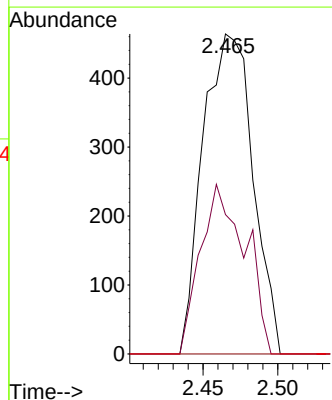
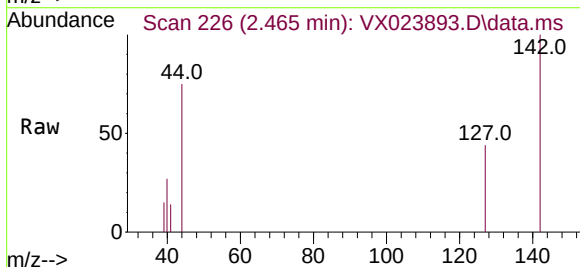
Instrument :
MSVOA_X
ClientSampleId :

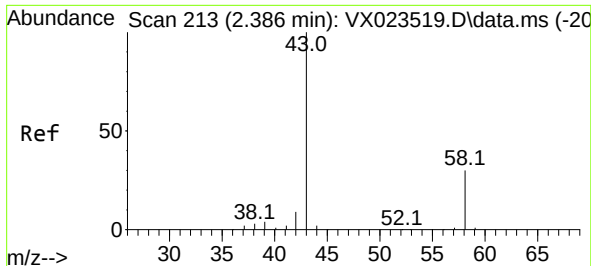
Tgt Ion:128 Resp: 31289
Ion Ratio Lower Upper
128 100
49 159.8 0.0 402.5
130 126.2 0.0 326.5



#11
Methyl Iodide
Concen: 0.423 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023893.D
Acq: 20 Aug 2021 21:29

Tgt Ion:142 Resp: 1078
Ion Ratio Lower Upper
142 100
127 43.5 23.6 71.0
141 0.0 7.1 21.3#

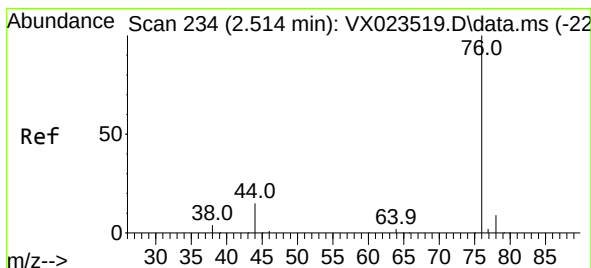
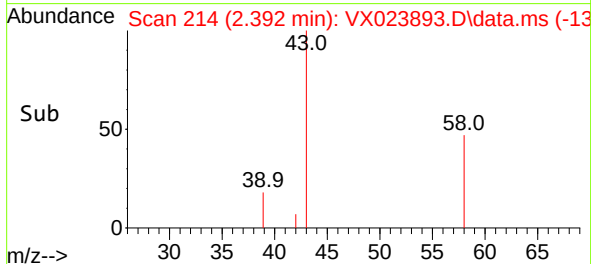
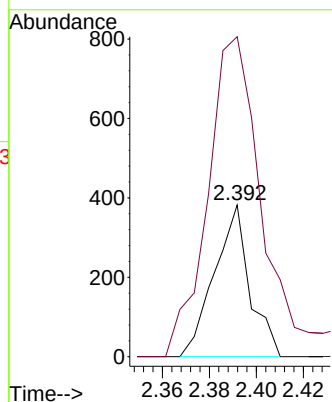
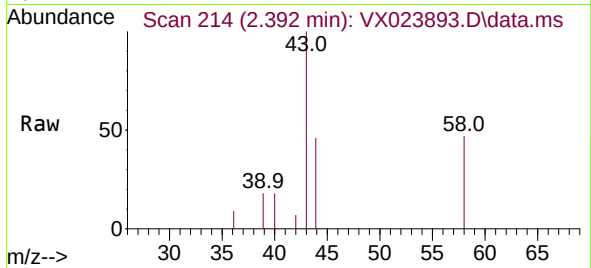




#15
Acetone
Concen: 1.104 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023893.D
Acq: 20 Aug 2021 21:29

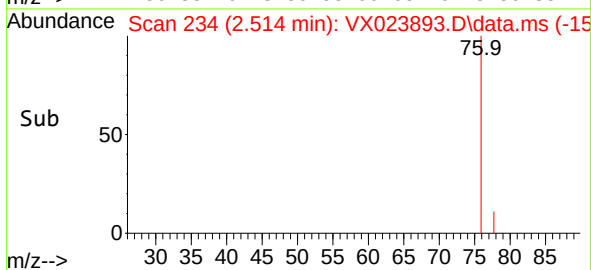
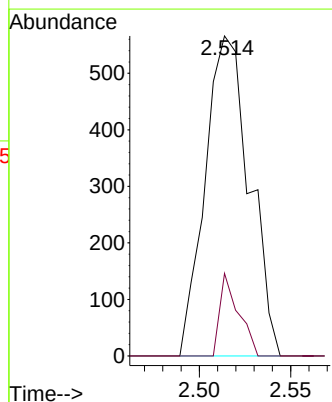
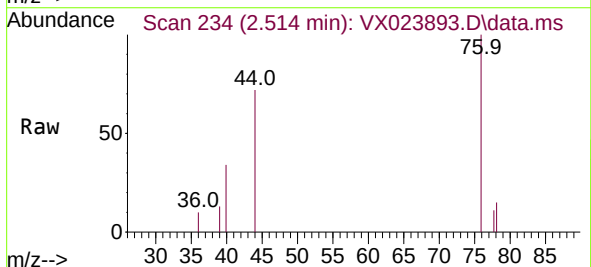
Instrument :
MSVOA_X
ClientSampleId :

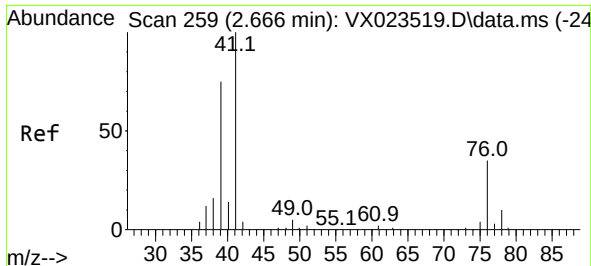
Tgt Ion: 58 Resp: 400
Ion Ratio Lower Upper
58 100
43 179.8 266.6 400.0#



#16
Carbon Disulfide
Concen: 0.214 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX023893.D
Acq: 20 Aug 2021 21:29

Tgt Ion: 76 Resp: 959
Ion Ratio Lower Upper
76 100
78 25.8 7.3 10.9#

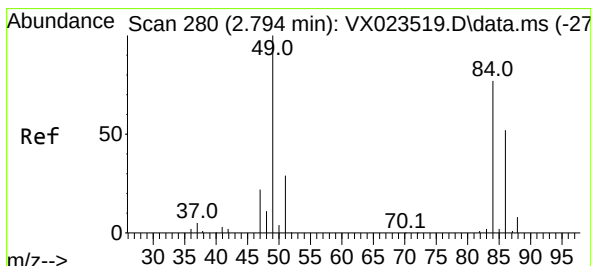
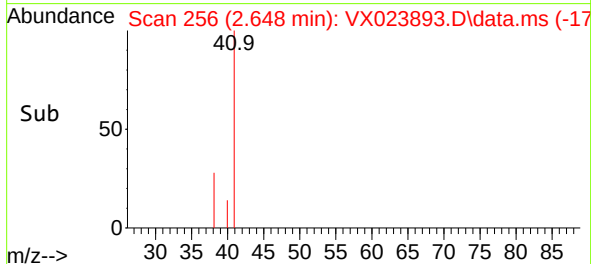
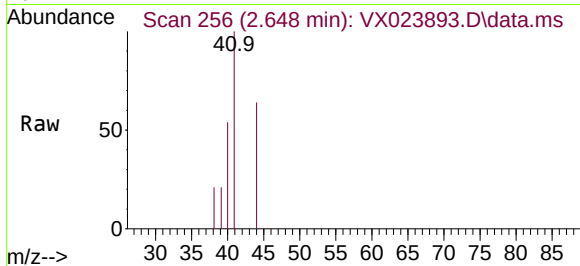




#17
 Allyl chloride
 Concen: 0.219 ug/l
 RT: 2.648 min Scan# 256
 Delta R.T. -0.018 min
 Lab File: VX023893.D
 Acq: 20 Aug 2021 21:29

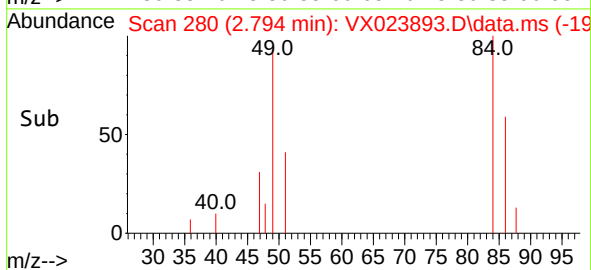
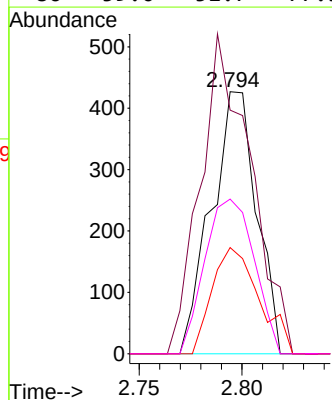
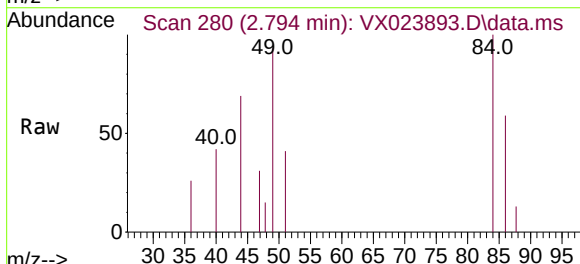
Instrument :
 MSVOA_X
 ClientSampled :

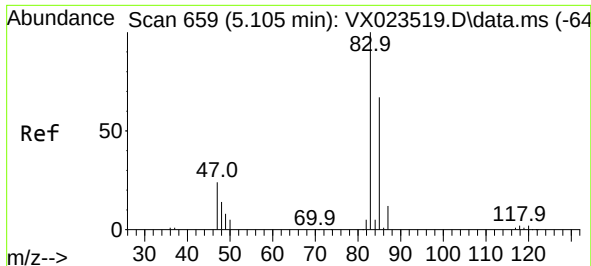
Tgt Ion:	41	Resp:	735
Ion	Ratio	Lower	Upper
41	100		
39	21.0	36.4	109.3#
76	0.0	16.6	49.7#



#18
 Methylene Chloride
 Concen: 0.308 ug/l
 RT: 2.794 min Scan# 280
 Delta R.T. 0.000 min
 Lab File: VX023893.D
 Acq: 20 Aug 2021 21:29

Tgt Ion:	84	Resp:	656
Ion	Ratio	Lower	Upper
84	100		
49	76.6	104.3	156.5#
51	40.5	30.3	45.5
86	59.0	51.7	77.5





#25

Chloroform

Concen: 0.303 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.000 min

Lab File: VX023893.D

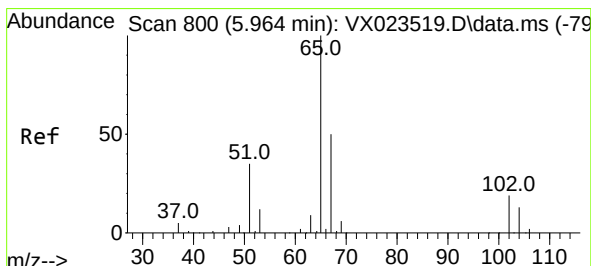
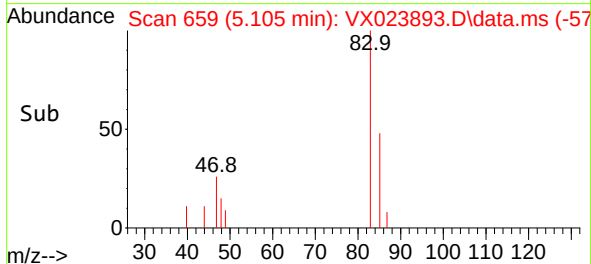
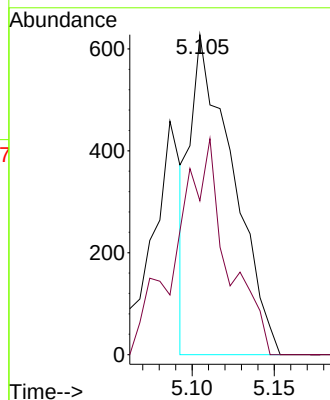
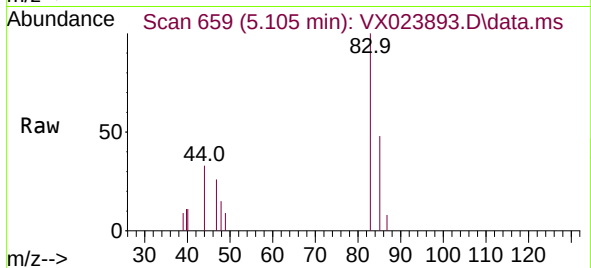
Acq: 20 Aug 2021 21:29

Tgt Ion: 83 Resp: 1131

Ion Ratio Lower Upper

83 100

85 48.1 51.8 77.8#



#27

1,2-Dichloroethane-d4

Concen: 31.168 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023893.D

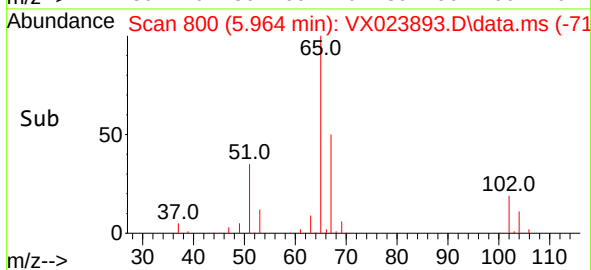
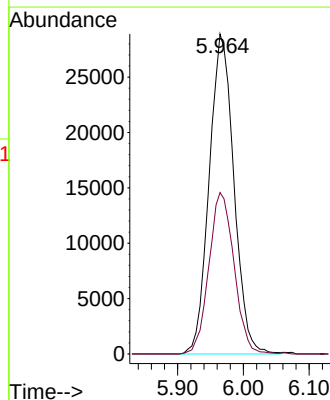
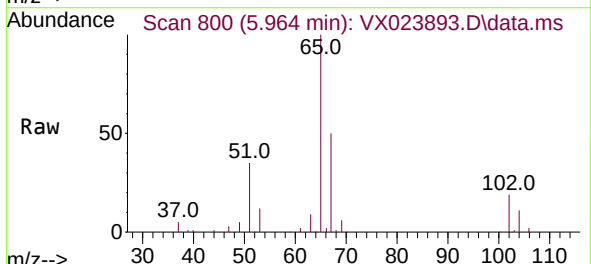
Acq: 20 Aug 2021 21:29

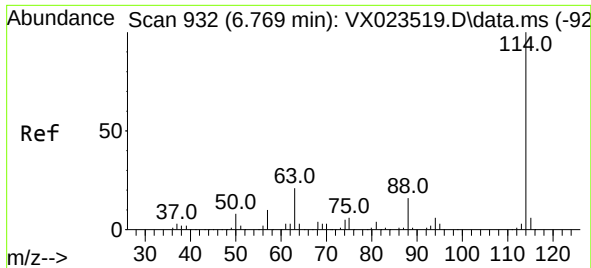
Tgt Ion: 65 Resp: 75418

Ion Ratio Lower Upper

65 100

67 51.3 42.4 63.6

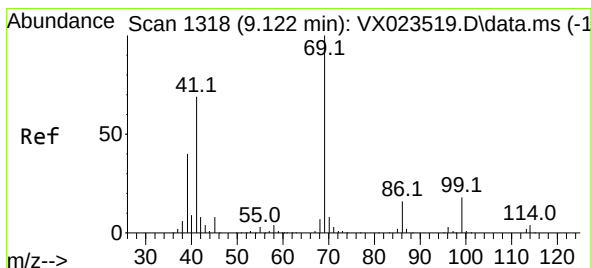
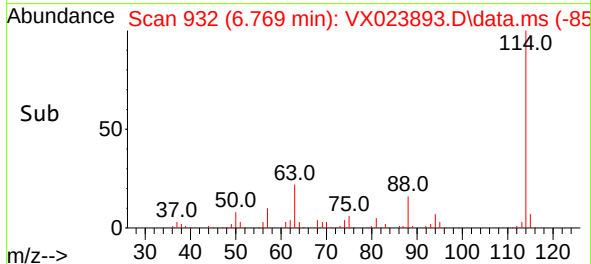
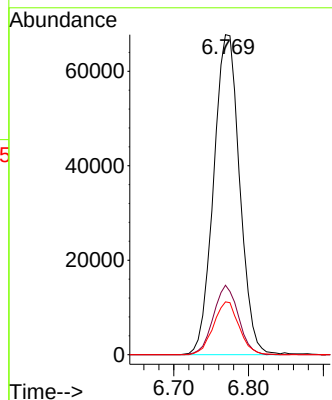
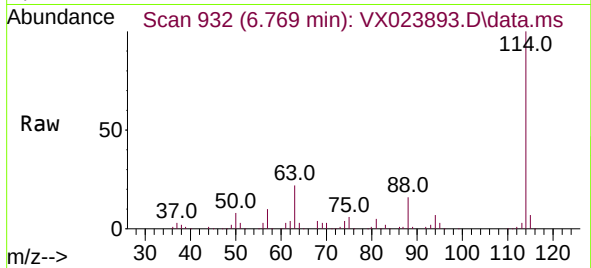




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023893.D
 Acq: 20 Aug 2021 21:29

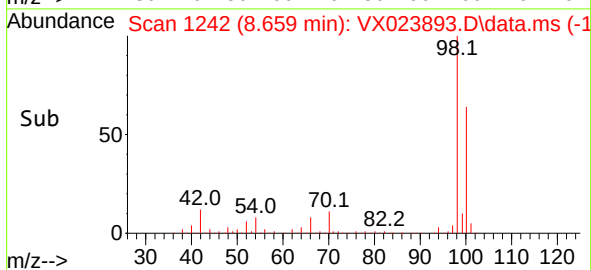
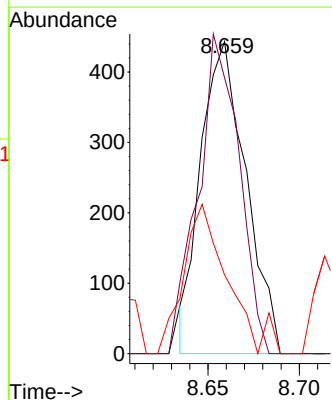
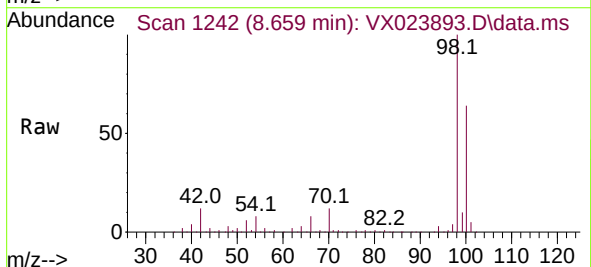
Instrument :
 MSVOA_X
 ClientSampled :

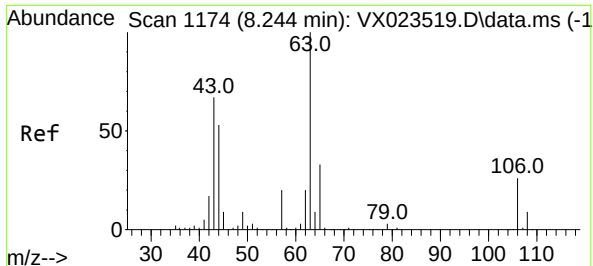
Tgt Ion:114 Resp: 164026
 Ion Ratio Lower Upper
 114 100
 63 20.8 16.4 24.6
 88 16.3 12.7 19.1



#51
 Ethyl methacrylate
 Concen: 0.234 ug/l
 RT: 8.659 min Scan# 1242
 Delta R.T. -0.463 min
 Lab File: VX023893.D
 Acq: 20 Aug 2021 21:29

Tgt Ion: 69 Resp: 761
 Ion Ratio Lower Upper
 69 100
 41 88.5 35.8 107.3
 39 25.3 20.3 60.8

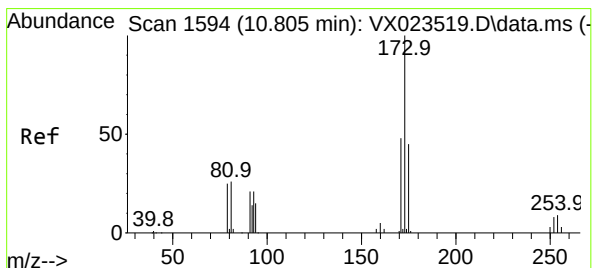
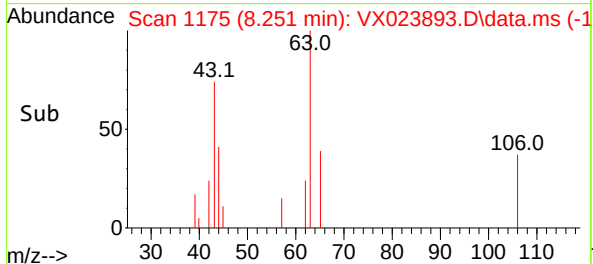
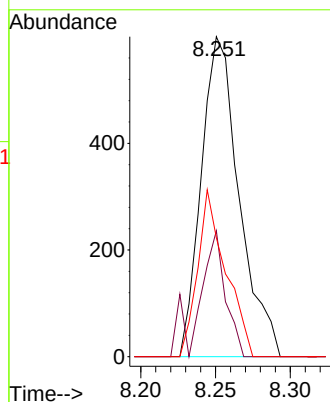
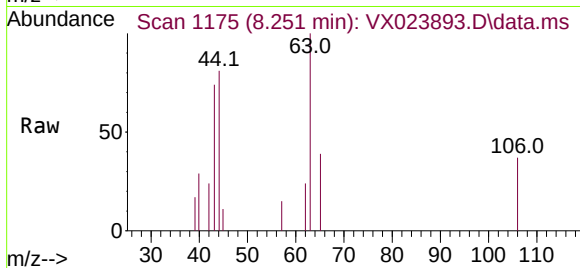




#55
2-Chloroethyl vinyl ether
Concen: 0.650 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VX023893.D
Acq: 20 Aug 2021 21:29

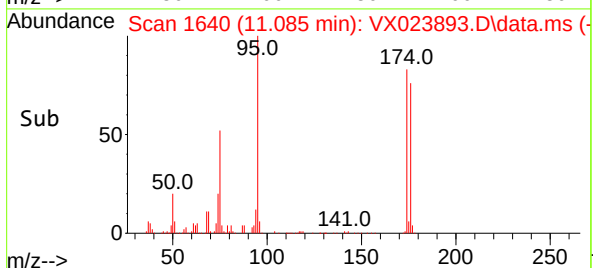
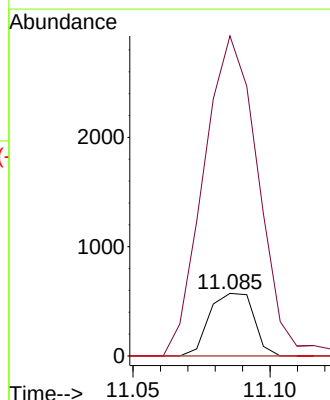
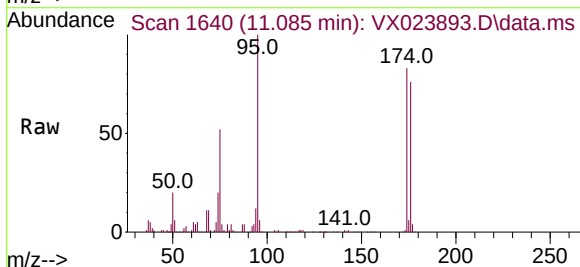
Instrument :
MSVOA_X
ClientSampled :

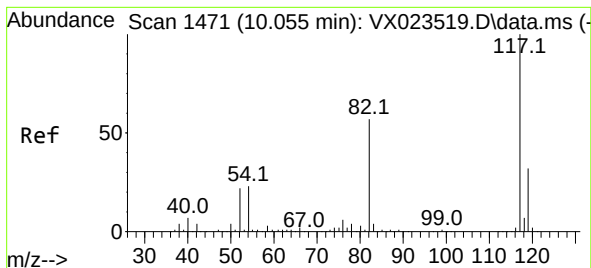
Tgt Ion: 63 Resp: 1057
Ion Ratio Lower Upper
63 100
65 22.9 25.8 38.6#
106 38.5 21.8 32.8#



#56
Bromoform
Concen: 0.432 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.280 min
Lab File: VX023893.D
Acq: 20 Aug 2021 21:29

Tgt Ion: 173 Resp: 644
Ion Ratio Lower Upper
173 100
175 623.6 38.4 57.6#
254 0.0 7.3 10.9#

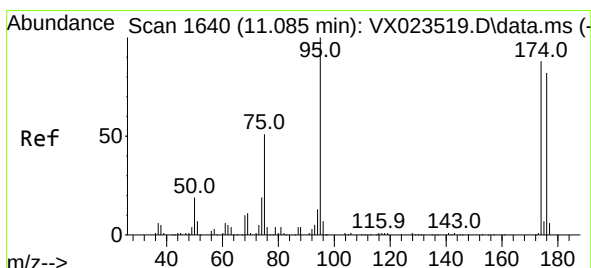
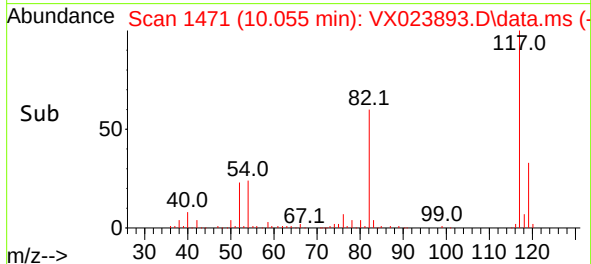
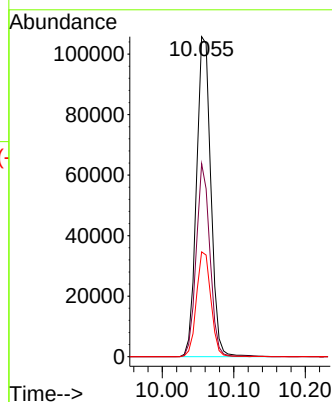
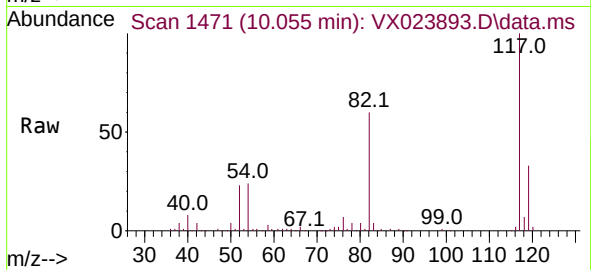




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023893.D
Acq: 20 Aug 2021 21:29

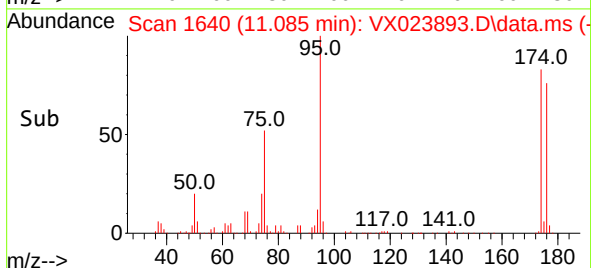
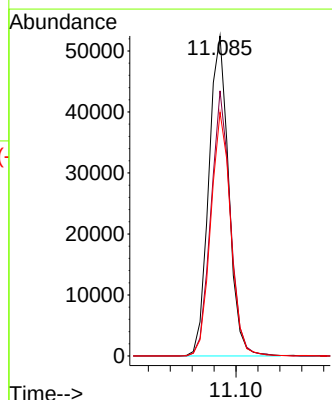
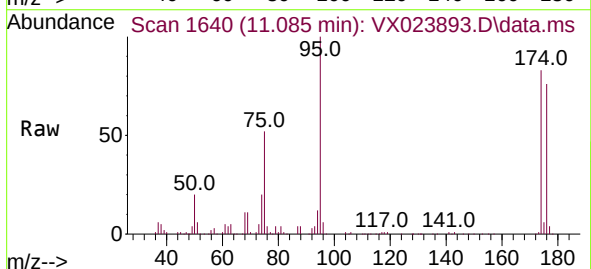
Instrument :
MSVOA_X
ClientSampled :

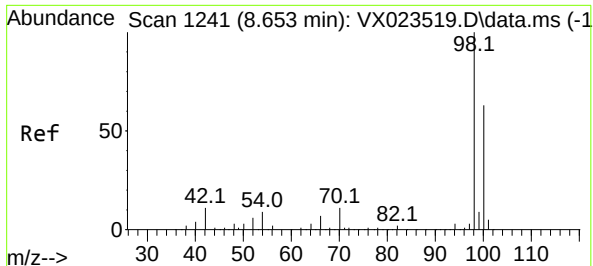
Tgt Ion:117 Resp: 147246
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 32.9 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 27.403 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023893.D
Acq: 20 Aug 2021 21:29

Tgt Ion: 95 Resp: 66091
Ion Ratio Lower Upper
95 100
174 80.9 63.5 95.3
176 76.4 63.0 94.4

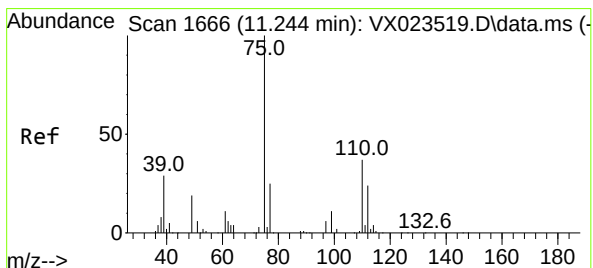
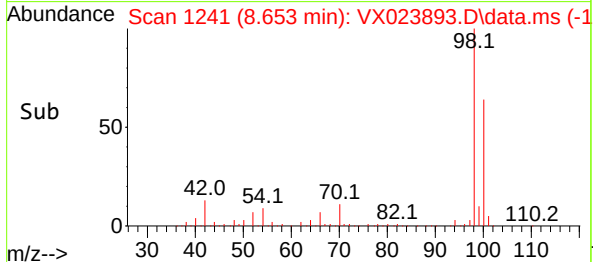
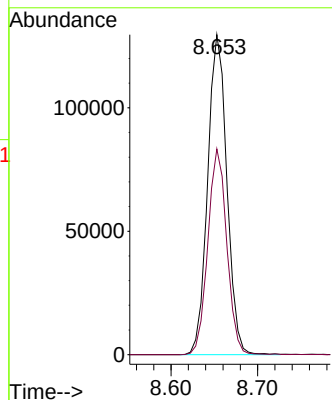
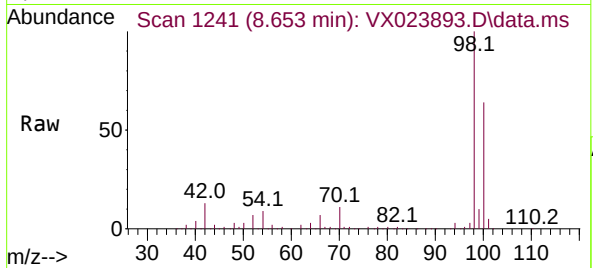




#63
Toluene-d8
Concen: 30.176 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023893.D
Acq: 20 Aug 2021 21:29

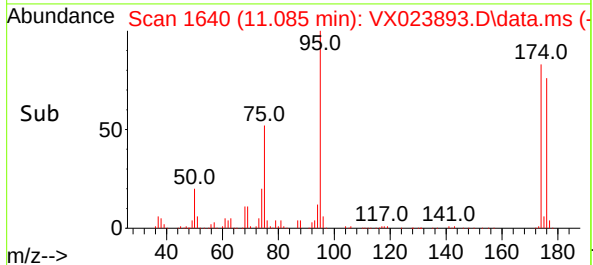
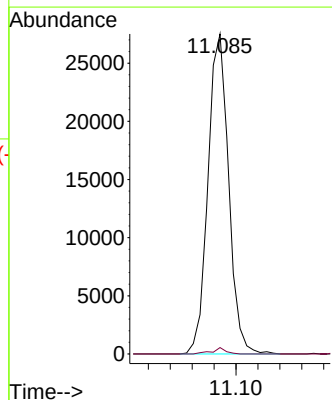
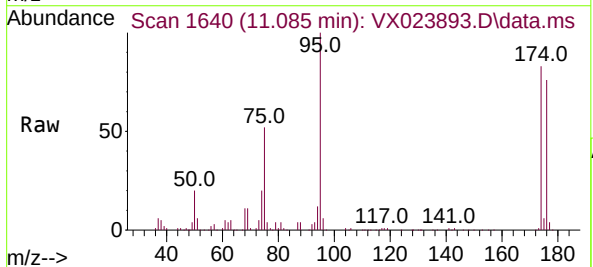
Instrument :
MSVOA_X
ClientSampled :

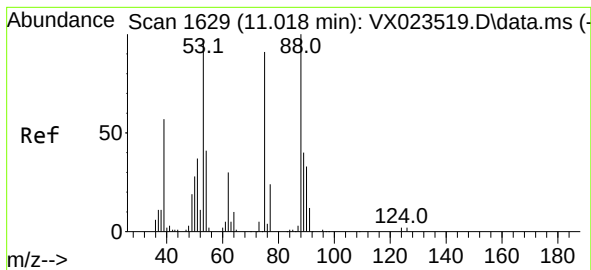
Tgt Ion: 98 Resp: 199977
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.0



#72
1,2,3-Trichloropropane
Concen: 12.993 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX023893.D
Acq: 20 Aug 2021 21:29

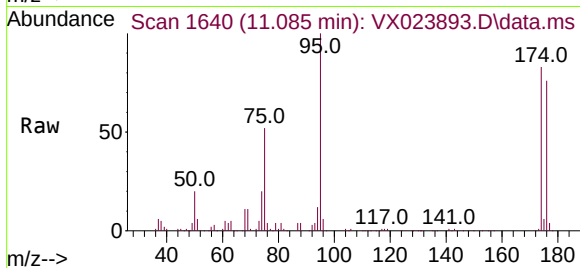
Tgt Ion: 75 Resp: 36004
Ion Ratio Lower Upper
75 100
77 0.8 0.0 77.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 36.398 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.067 min
 Lab File: VX023893.D
 Acq: 20 Aug 2021 21:29

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	53.9	161.7#
89	0.0	22.9	68.7#

