

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
 Data File : VX024693.D
 Acq On : 09 Oct 2021 01:22
 Operator : JC/MD
 Sample : M4096-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 11 06:38:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

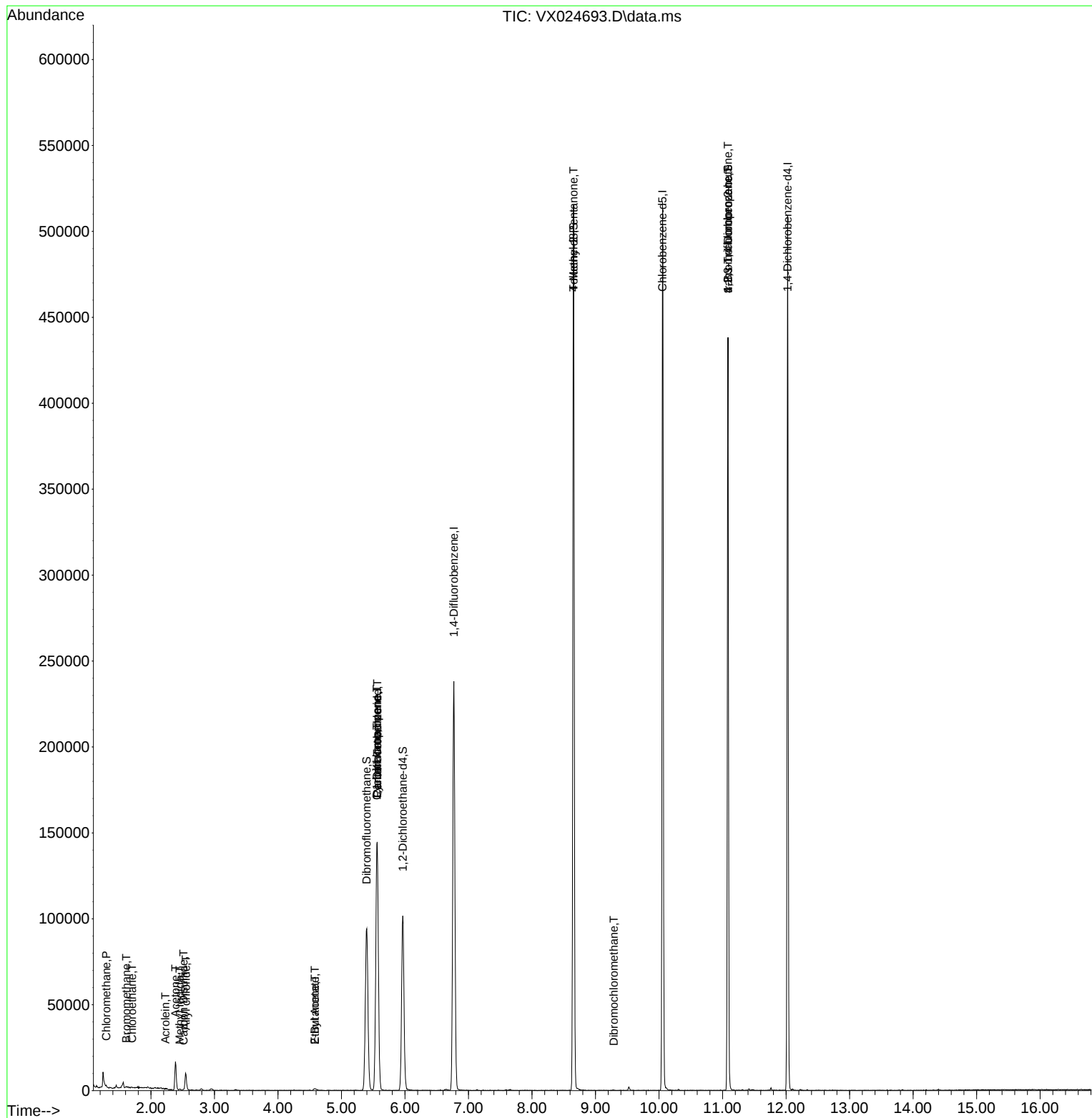
Internal Standards						
1) Pentafluorobenzene	5.562	168	136796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236329	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99874	51.803	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.600%
35) Dibromofluoromethane	5.397	113	80925	51.545	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.080%
50) Toluene-d8	8.653	98	289579	50.114	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.220%
62) 4-Bromofluorobenzene	11.085	95	108119	47.588	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.180%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	587	0.452	ug/l	100
5) Bromomethane	1.612	94	277	0.303	ug/l	92
6) Chloroethane	1.703	64	283	0.570	ug/l #	43
10) Methyl Iodide	2.453	142	579	0.306	ug/l #	75
11) Tert butyl alcohol	2.947	59	612	Below Cal	#	73
13) Acrolein	2.227	56	32	10.352	ug/l #	1
14) Allyl chloride	2.550	41	898	0.392	ug/l #	44
16) Acetone	2.386	43	17393	11.715	ug/l	89
17) Carbon Disulfide	2.514	76	614	0.417	ug/l #	75
20) Methylene Chloride	2.800	84	464	Below Cal	#	89
25) 2-Butanone	4.581	43	1298	0.978	ug/l	97
31) Cyclohexane	5.556	56	3164	1.371	ug/l #	23
36) 1,1-Dichloropropene	5.556	75	10518	4.642	ug/l #	50
37) Ethyl Acetate	4.581	43	1298	0.459	ug/l #	64
38) Carbon Tetrachloride	5.562	117	13992	5.674	ug/l #	18
51) 4-Methyl-2-Pentanone	8.653	43	1441	0.508	ug/l #	1
60) Dibromochloromethane	9.287	129	23	1.199	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	60584	26.249	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	60584	71.484	ug/l #	12

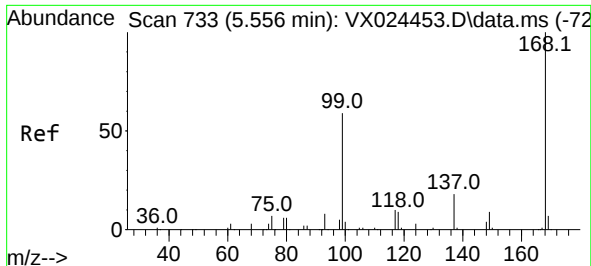
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampled :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

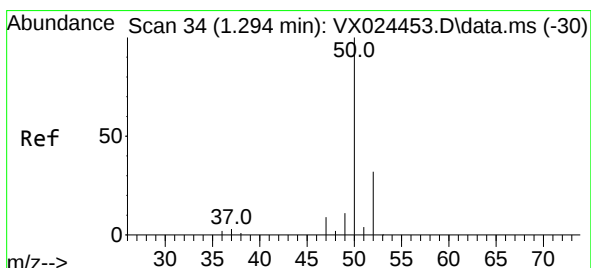
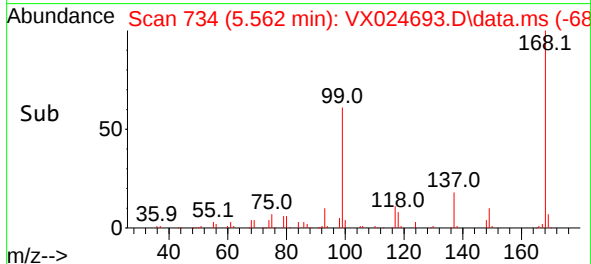
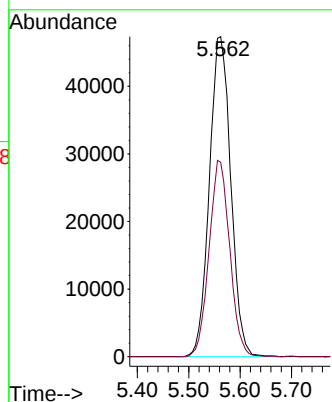
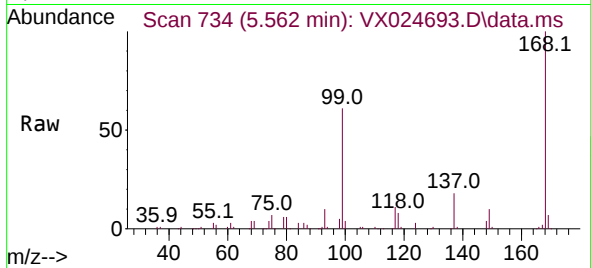




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

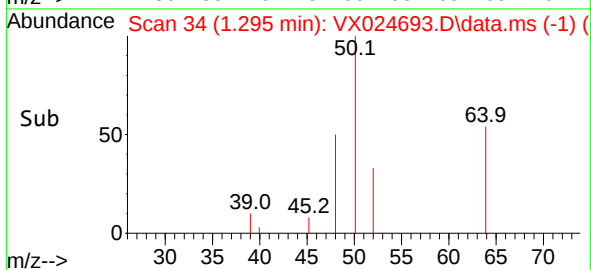
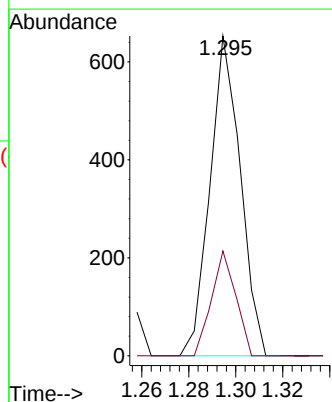
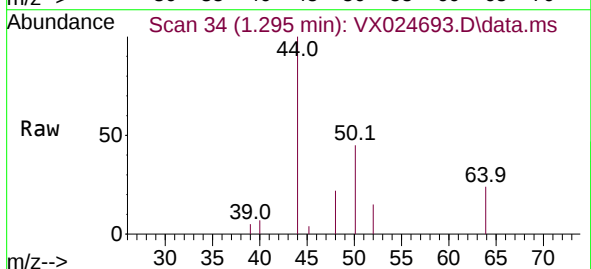
Instrument :
MSVOA_X
ClientSampled :

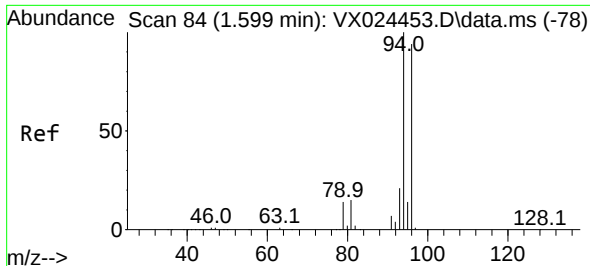
Tgt Ion:168 Resp: 136796
Ion Ratio Lower Upper
168 100
99 60.7 45.8 68.6



#3
Chloromethane
Concen: 0.452 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

Tgt Ion: 50 Resp: 587
Ion Ratio Lower Upper
50 100
52 32.8 26.4 39.6

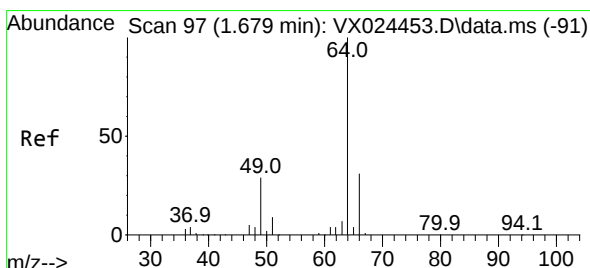
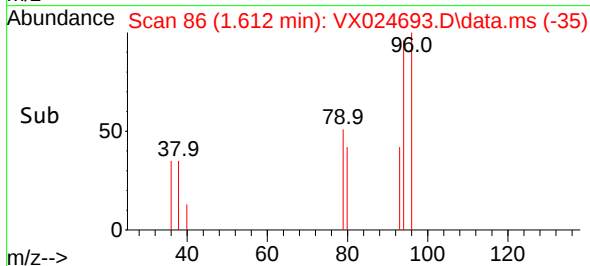
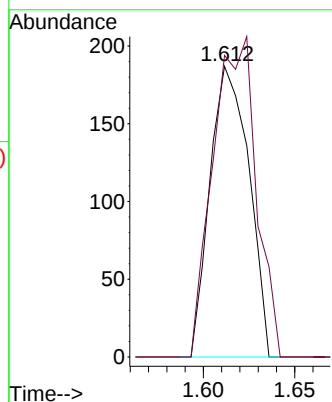
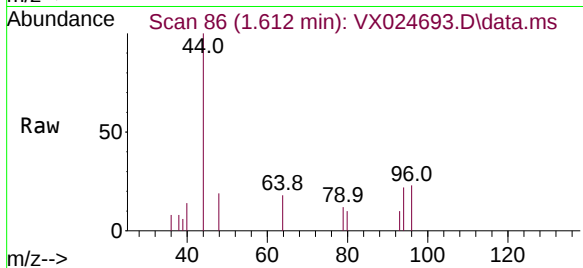




#5
Bromomethane
Concen: 0.303 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

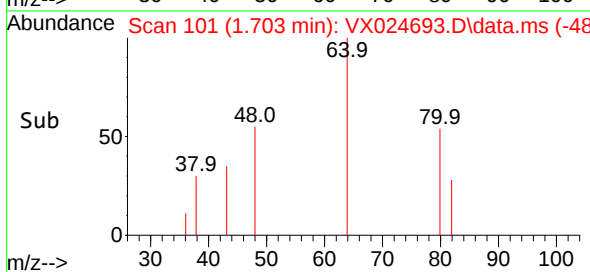
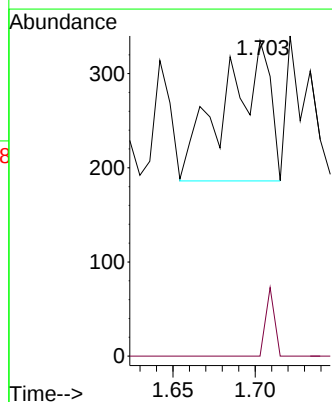
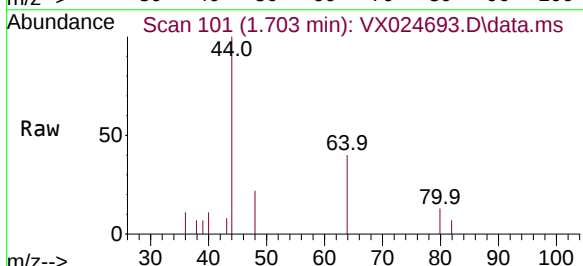
Instrument :
MSVOA_X
ClientSampled :

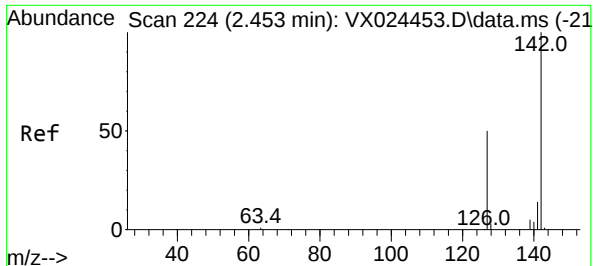
Tgt Ion: 94 Resp: 277
Ion Ratio Lower Upper
94 100
96 103.7 76.4 114.6



#6
Chloroethane
Concen: 0.570 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

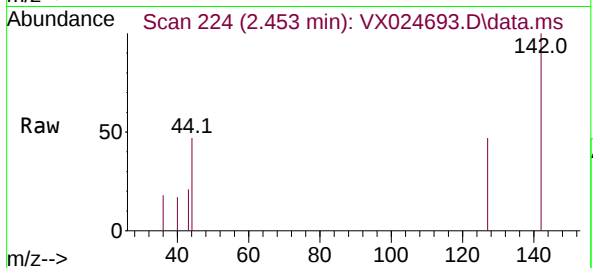
Tgt Ion: 64 Resp: 283
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



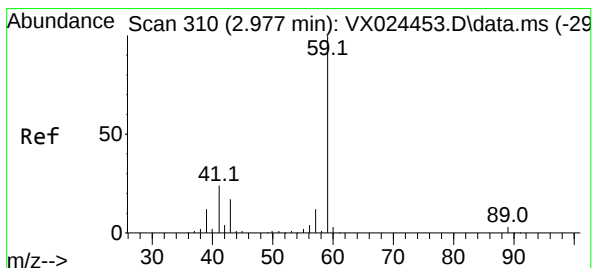
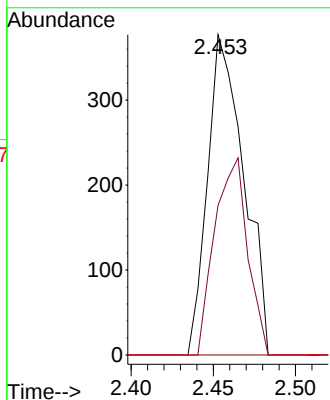
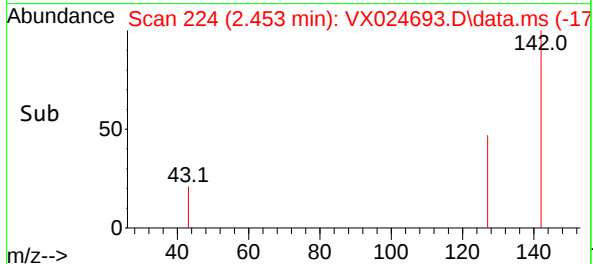


#10
Methyl Iodide
Concen: 0.306 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

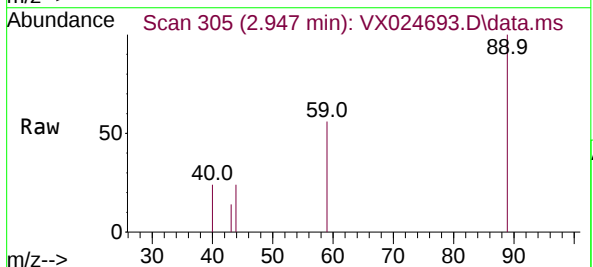
Instrument :
MSVOA_X
ClientSampled :



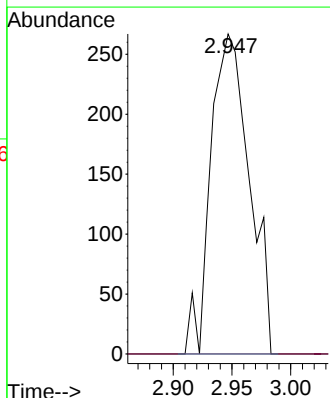
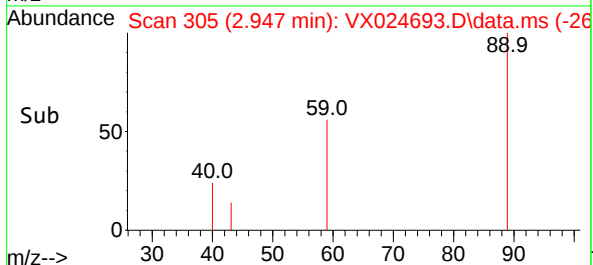
Tgt Ion:142 Resp: 579
Ion Ratio Lower Upper
142 100
127 55.6 33.3 49.9#
141 0.0 11.4 17.0#

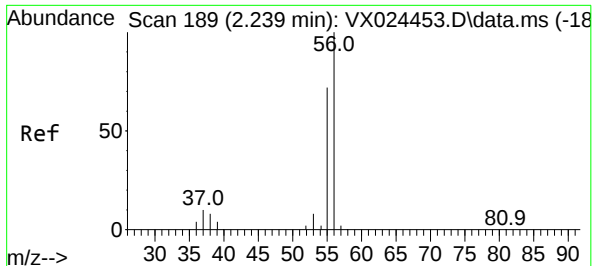


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22



Tgt Ion: 59 Resp: 612
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

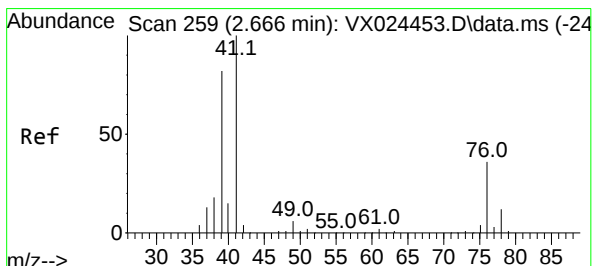
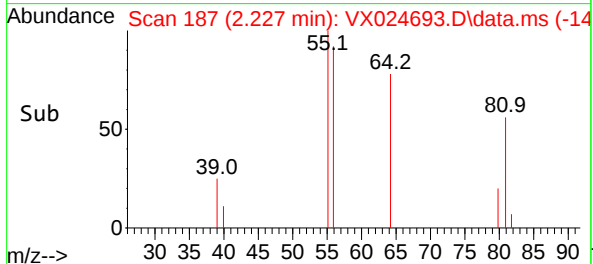
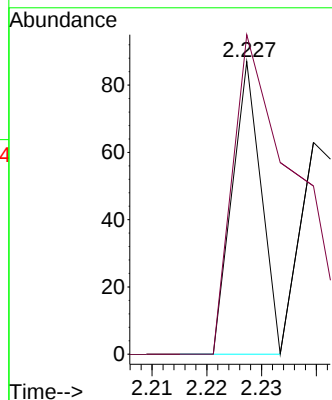
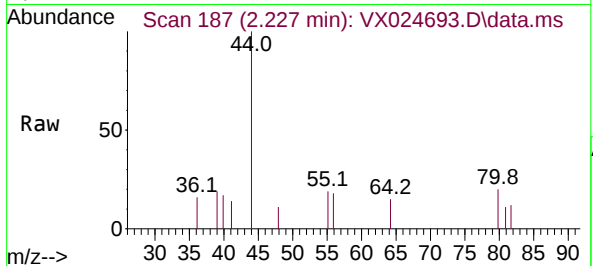




#13
Acrolein
Concen: 10.352 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

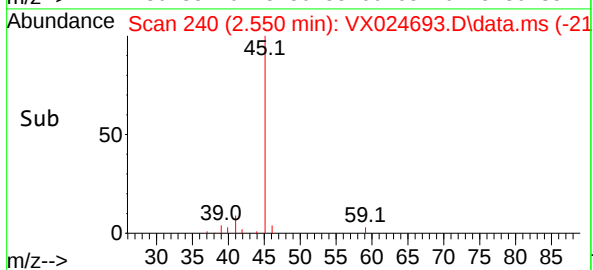
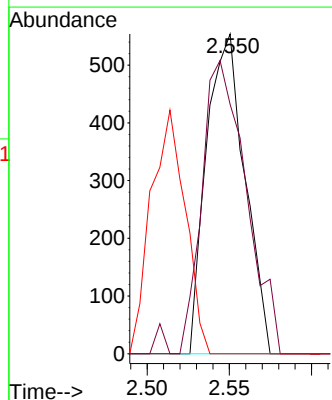
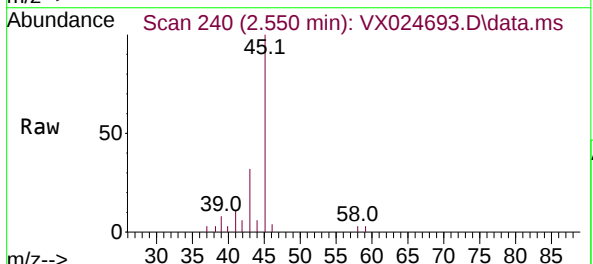
Instrument :
MSVOA_X
ClientSampled :

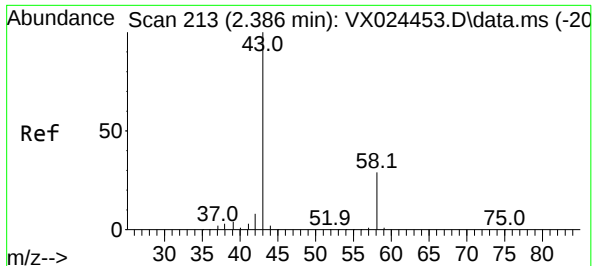
Tgt Ion: 56 Resp: 32
Ion Ratio Lower Upper
56 100
55 231.3 56.4 84.6#



#14
Allyl chloride
Concen: 0.392 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

Tgt Ion: 41 Resp: 898
Ion Ratio Lower Upper
41 100
39 105.6 51.6 77.4#
76 0.0 30.5 45.7#

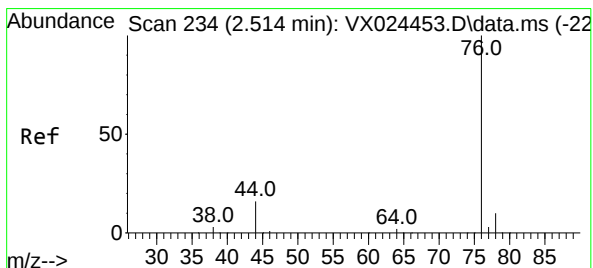
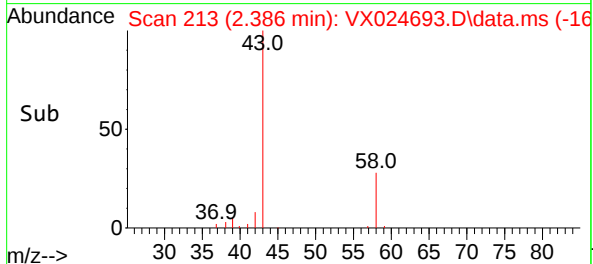
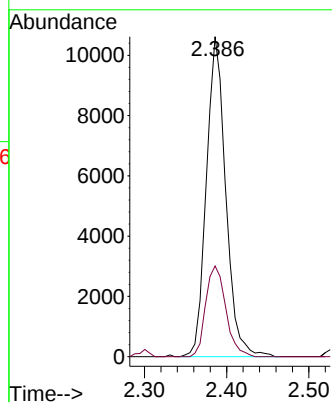
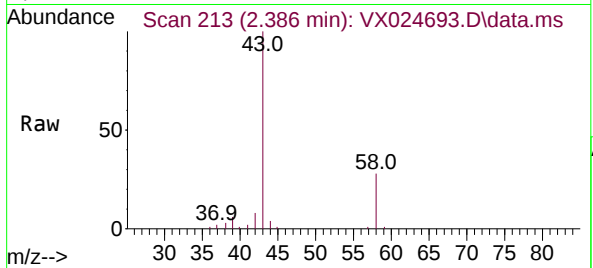




#16
Acetone
Concen: 11.715 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

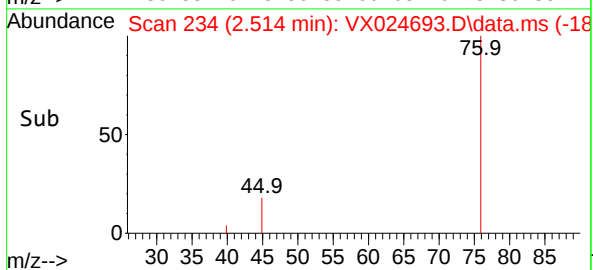
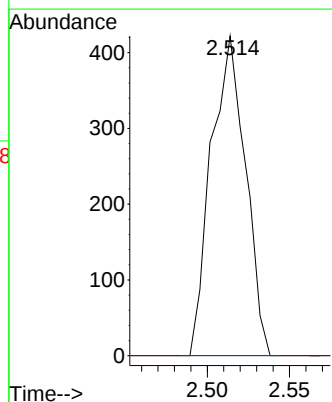
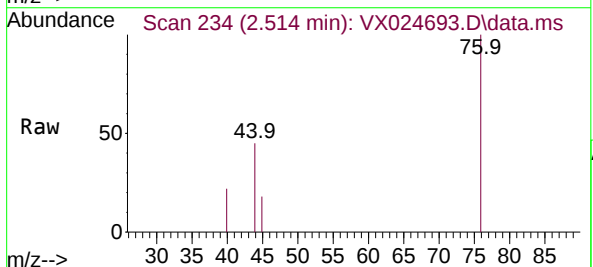
Instrument :
MSVOA_X
ClientSampled :

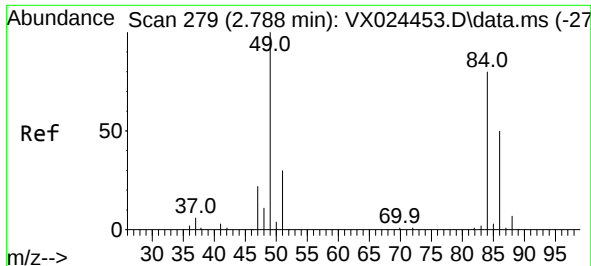
Tgt Ion: 43 Resp: 17393
Ion Ratio Lower Upper
43 100
58 28.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.417 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

Tgt Ion: 76 Resp: 614
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.800 min Scan# 281

Delta R.T. 0.012 min

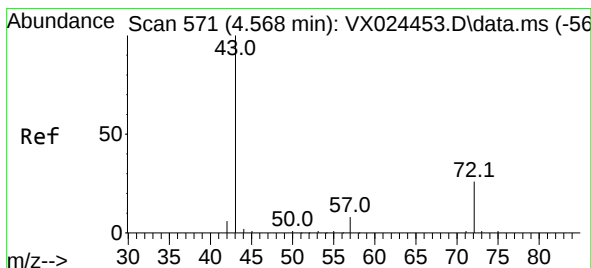
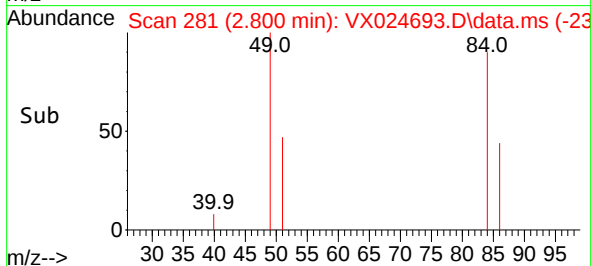
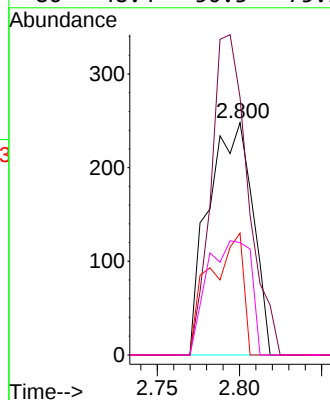
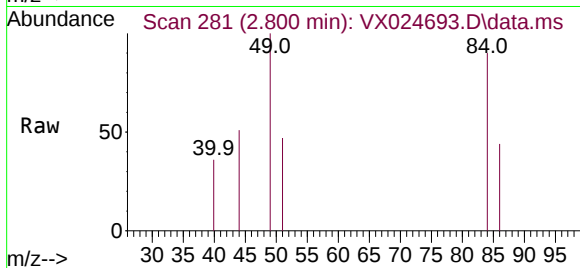
Lab File: VX024693.D

Acq: 09 Oct 2021 01:22

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 84 Resp: 464

Ion	Ratio	Lower	Upper
84	100		
49	110.9	88.6	132.8
51	52.4	27.0	40.6#
86	48.4	50.3	75.5#



#25

2-Butanone

Concen: 0.978 ug/l

RT: 4.581 min Scan# 573

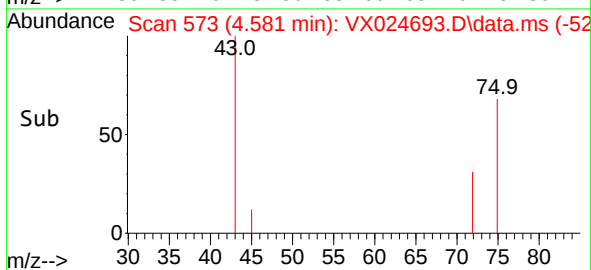
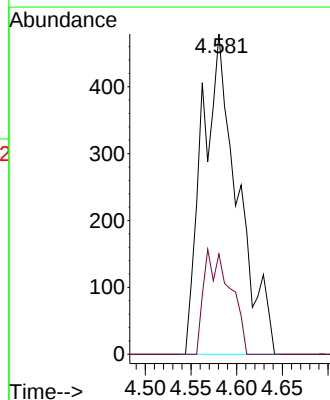
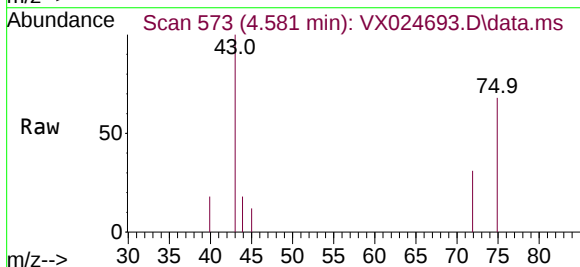
Delta R.T. 0.013 min

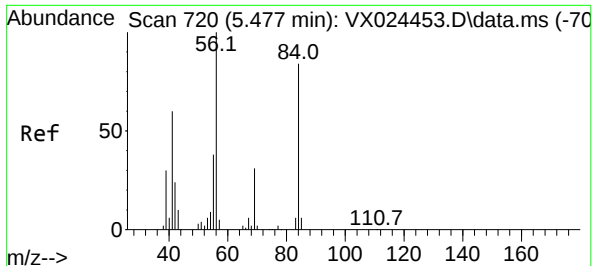
Lab File: VX024693.D

Acq: 09 Oct 2021 01:22

Tgt Ion: 43 Resp: 1298

Ion	Ratio	Lower	Upper
43	100		
72	31.3	23.7	35.5

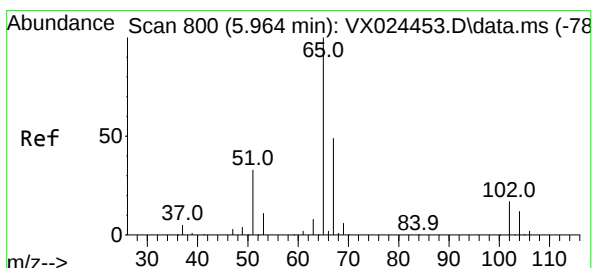
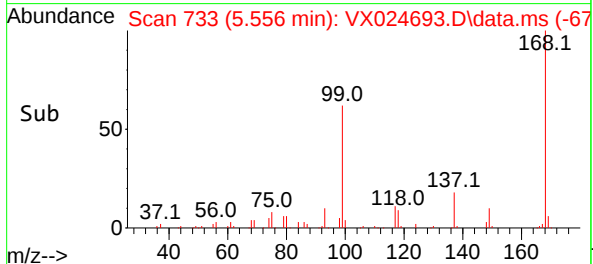
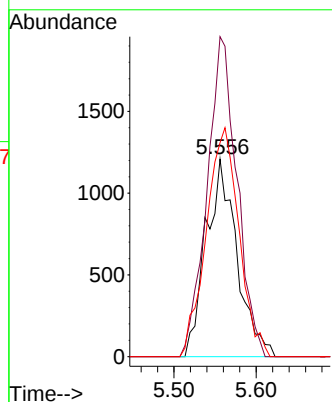
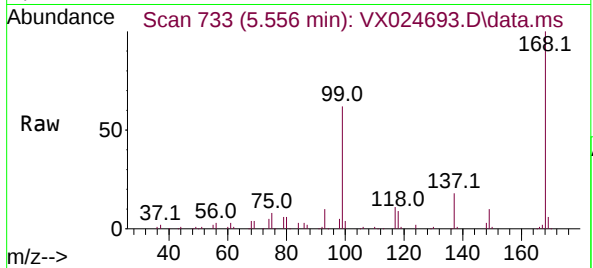




#31
Cyclohexane
Concen: 1.371 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

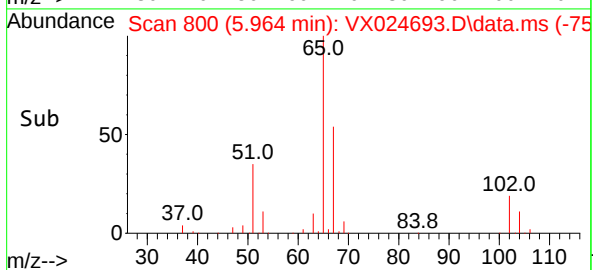
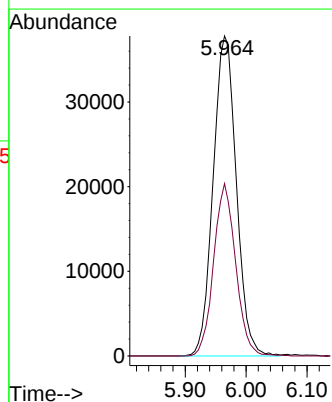
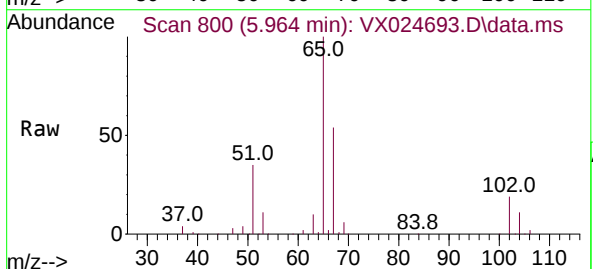
Instrument :
MSVOA_X
ClientSampleId :

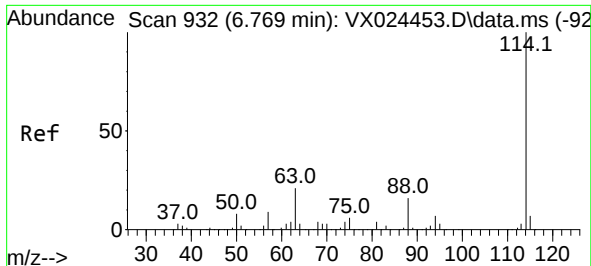
Tgt Ion: 56 Resp: 3164
Ion Ratio Lower Upper
56 100
69 162.0 25.3 37.9#
84 108.3 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.803 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

Tgt Ion: 65 Resp: 99874
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.4

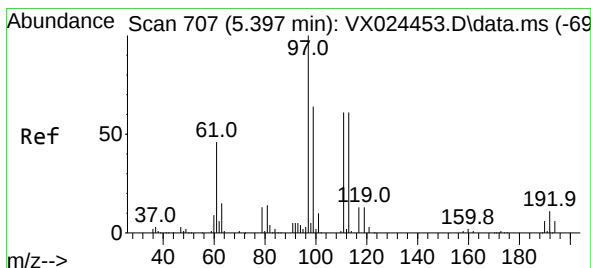
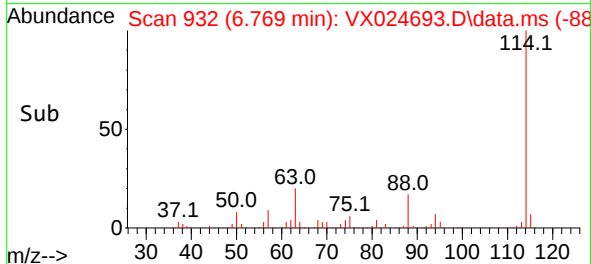
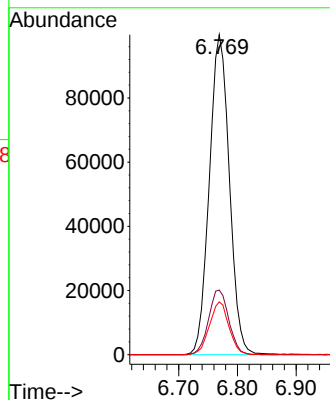
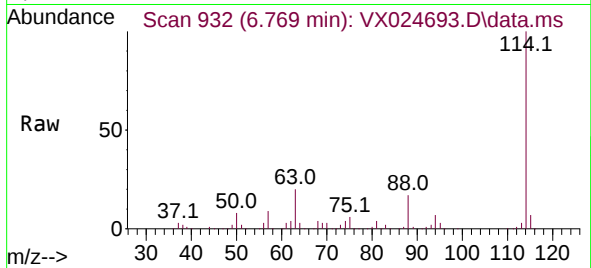




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

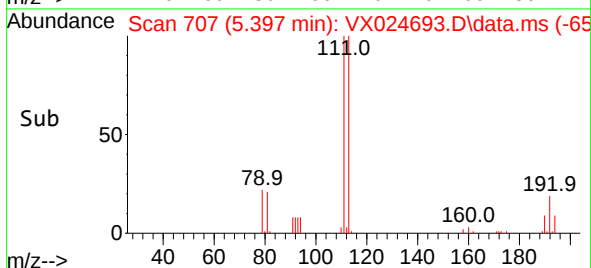
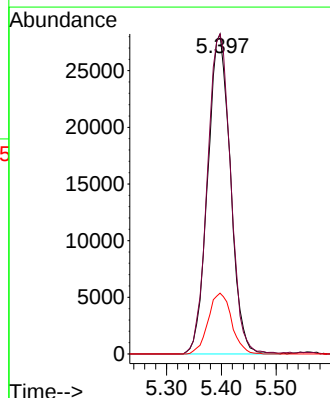
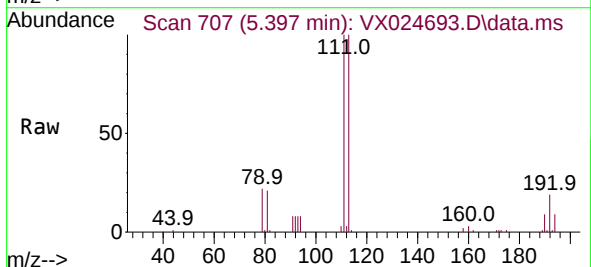
Instrument :
MSVOA_X
ClientSampled :

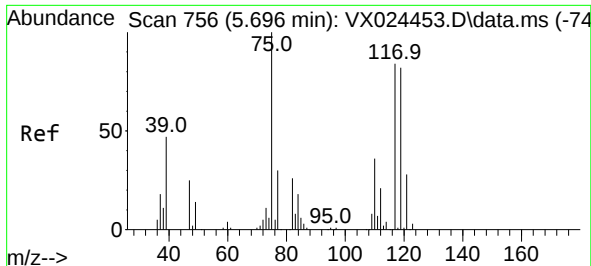
Tgt Ion:114 Resp: 236329
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.545 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

Tgt Ion:113 Resp: 80925
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 19.6 16.7 25.1

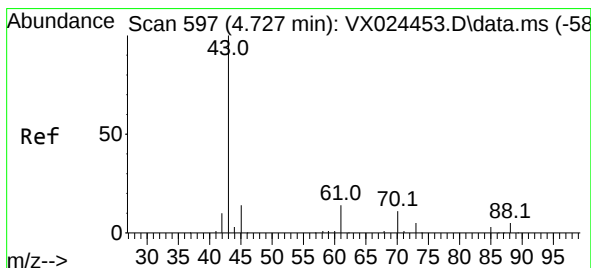
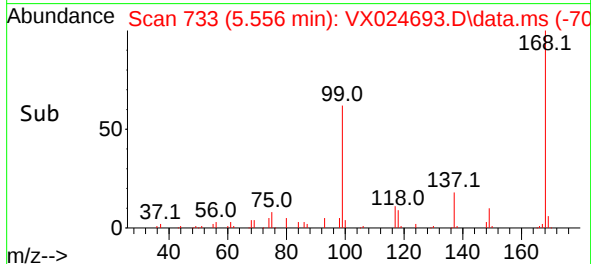
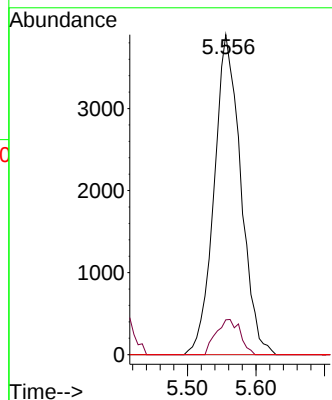
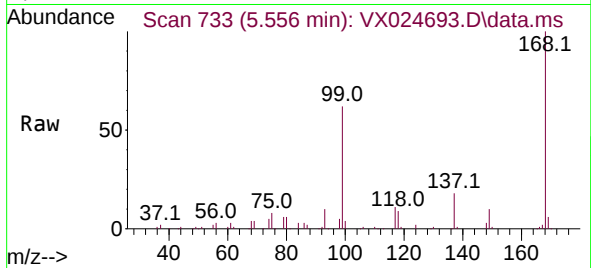




#36
1,1-Dichloropropene
Concen: 4.642 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

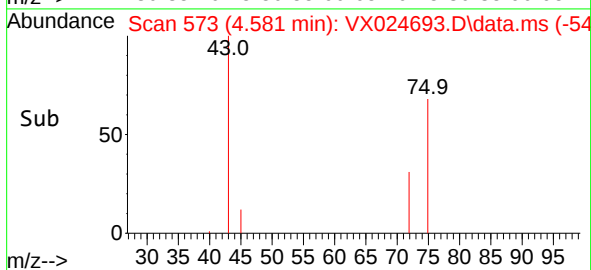
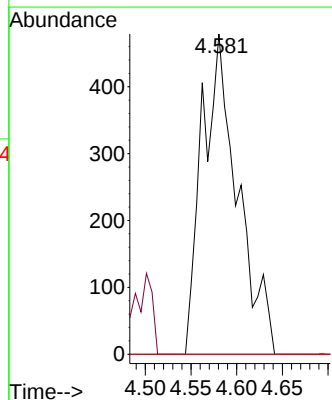
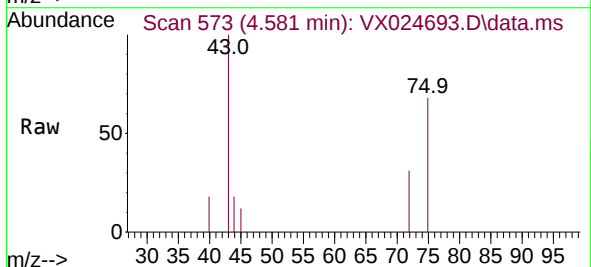
Instrument :
MSVOA_X
ClientSampled :

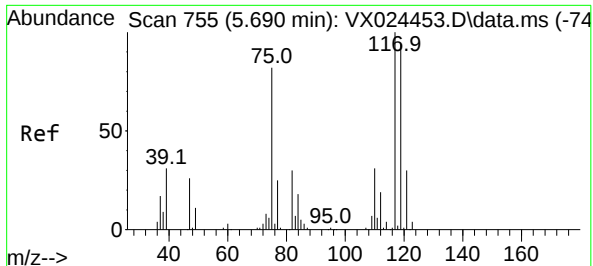
Tgt Ion: 75 Resp: 10518
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 0.459 ug/l
RT: 4.581 min Scan# 573
Delta R.T. -0.146 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

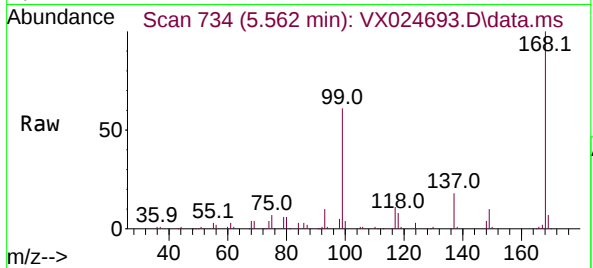
Tgt Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



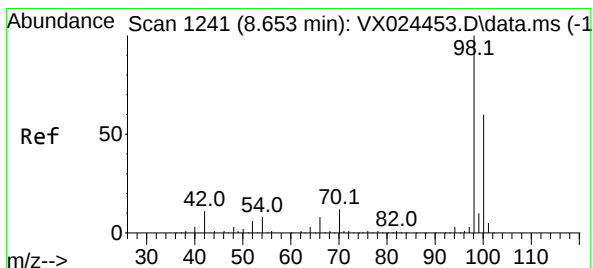
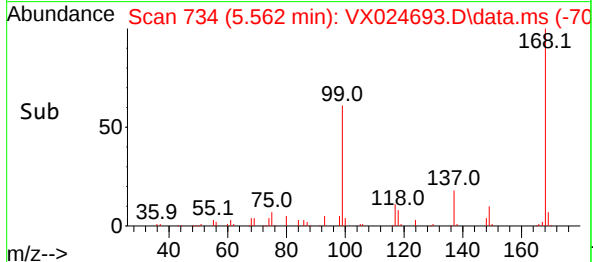
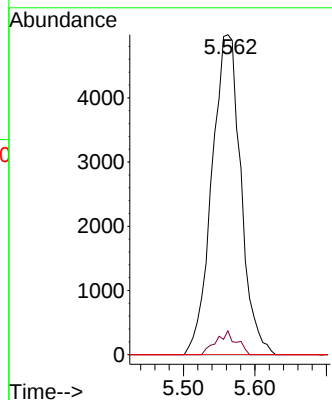


#38
Carbon Tetrachloride
Concen: 5.674 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

Instrument :
MSVOA_X
ClientSampled :

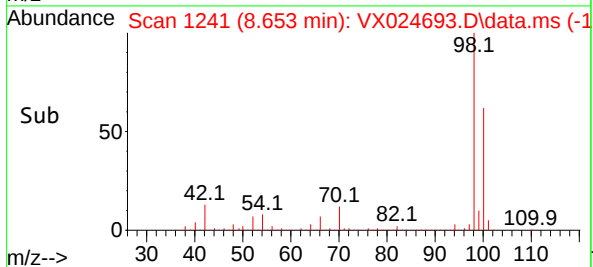
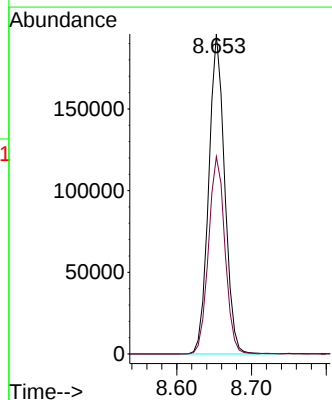
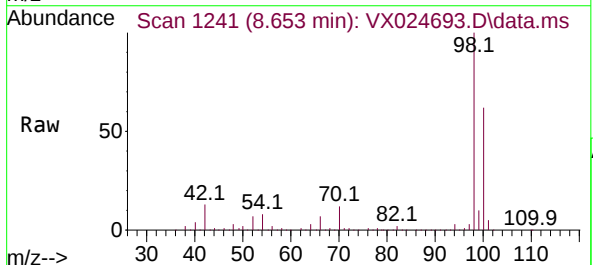


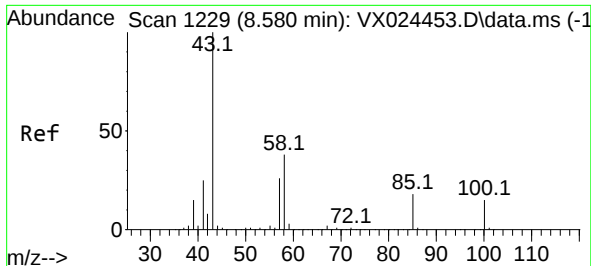
Tgt Ion:117 Resp: 13992
Ion Ratio Lower Upper
117 100
119 7.4 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.114 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

Tgt Ion: 98 Resp: 289579
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

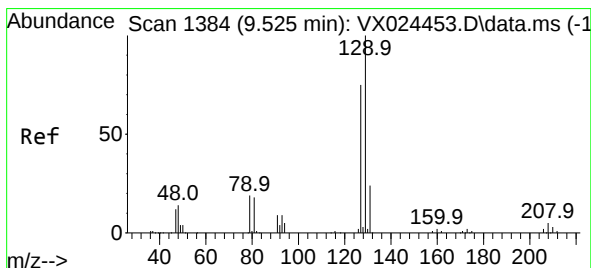
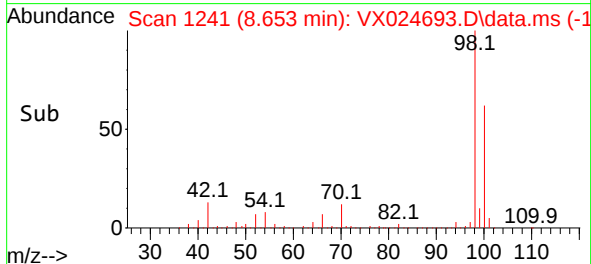
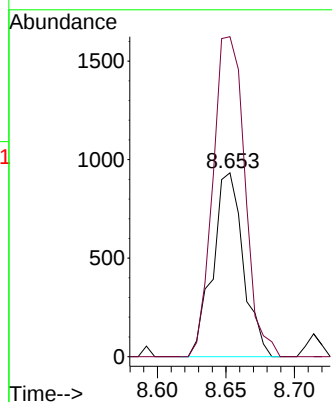
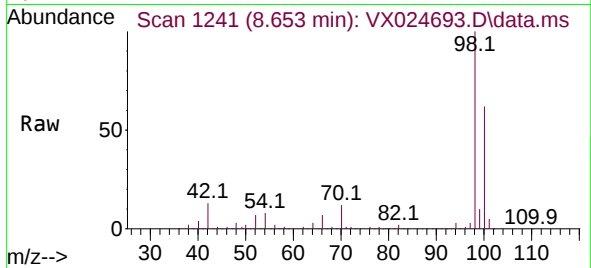




#51
4-Methyl-2-Pentanone
Concen: 0.508 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

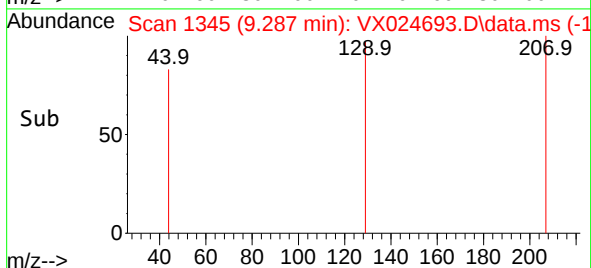
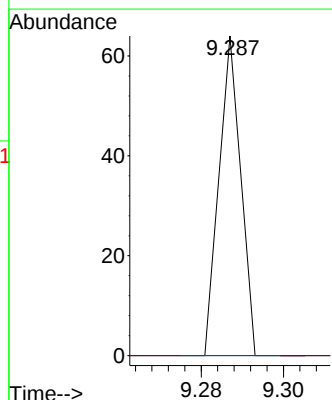
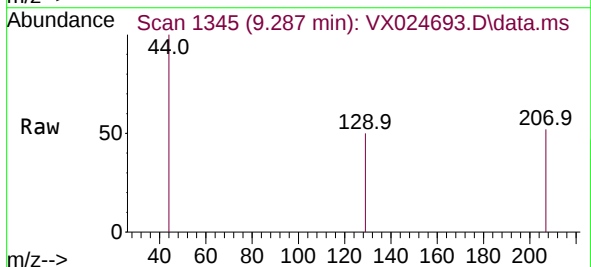
Instrument :
MSVOA_X
ClientSampled :

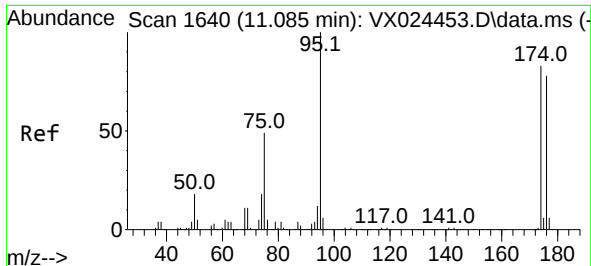
Tgt Ion: 43 Resp: 1441
Ion Ratio Lower Upper
43 100
58 183.1 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.199 ug/l
RT: 9.287 min Scan# 1345
Delta R.T. -0.238 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

Tgt Ion: 129 Resp: 23
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

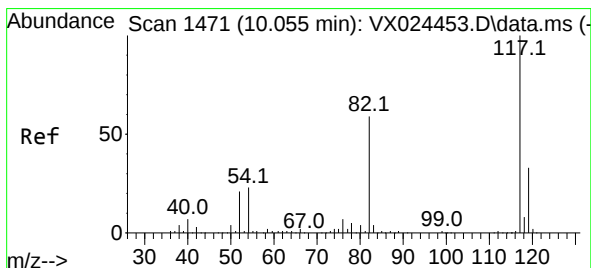
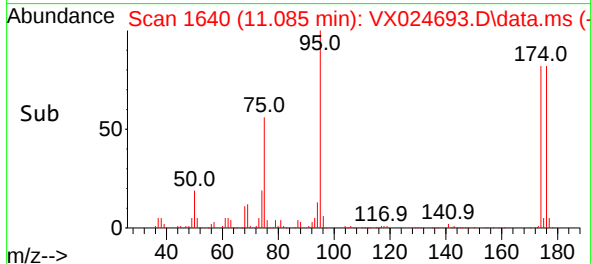
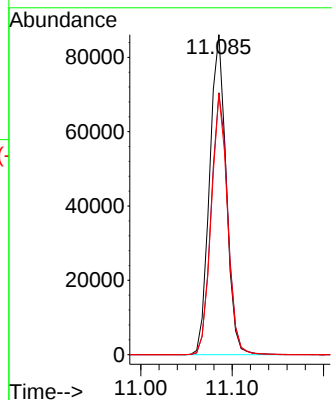
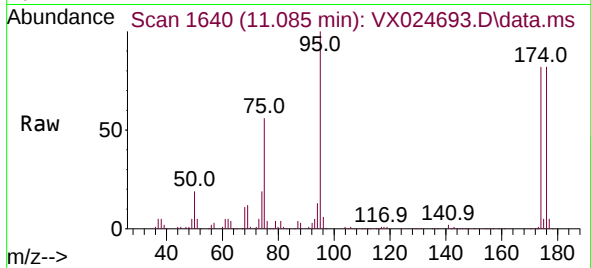




#62
4-Bromofluorobenzene
Concen: 47.588 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

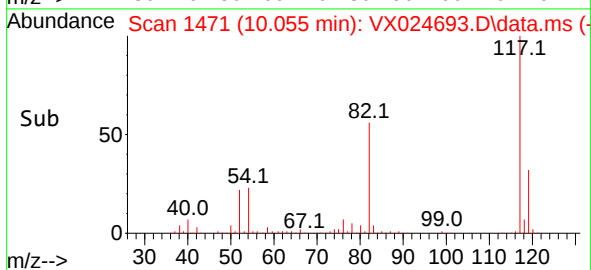
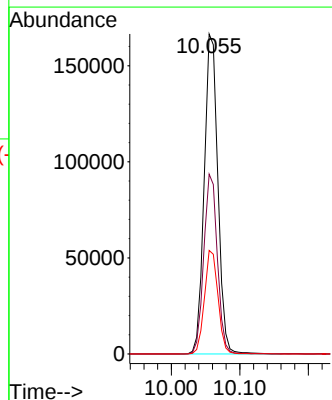
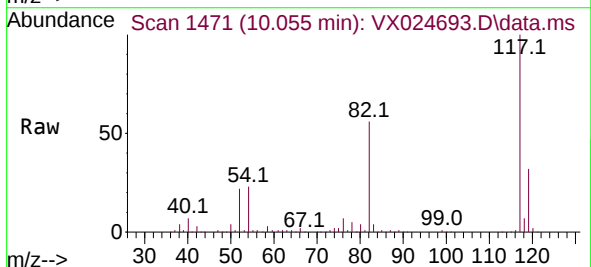
Instrument :
MSVOA_X
ClientSampleId :

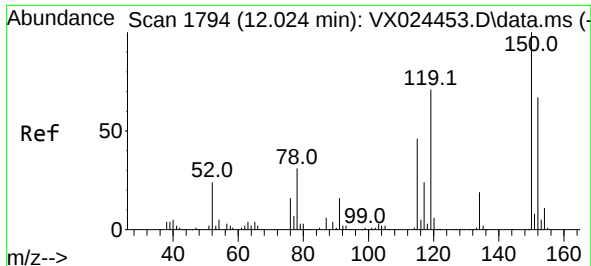
Tgt Ion: 95 Resp: 108119
Ion Ratio Lower Upper
95 100
174 82.2 0.0 154.6
176 79.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024693.D
Acq: 09 Oct 2021 01:22

Tgt Ion: 117 Resp: 231350
Ion Ratio Lower Upper
117 100
82 56.2 47.4 71.2
119 32.4 26.6 39.8

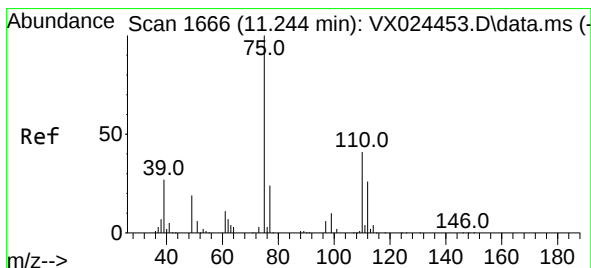
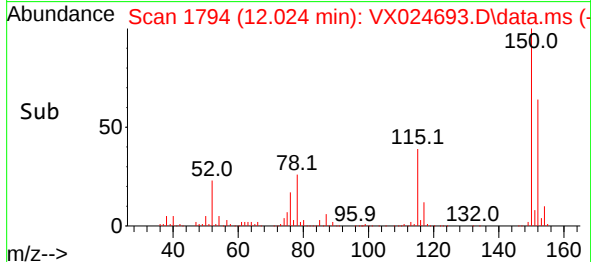
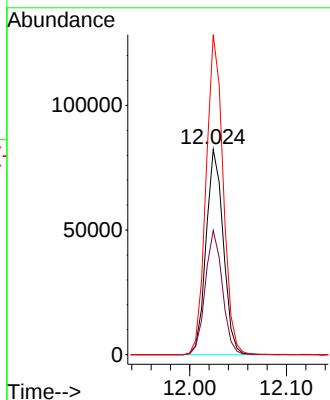
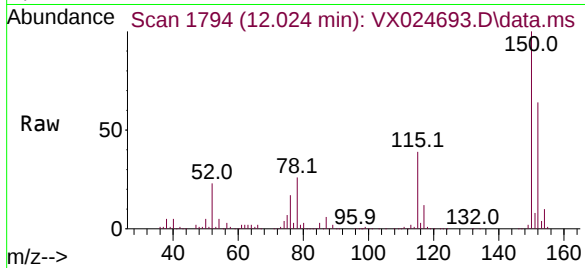




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024693.D
 Acq: 09 Oct 2021 01:22

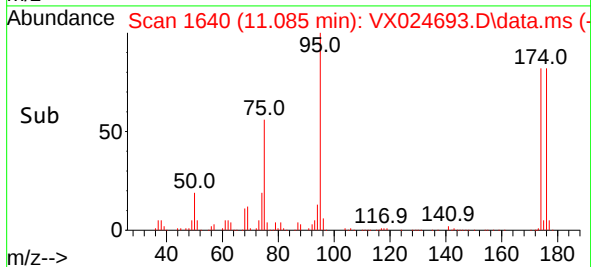
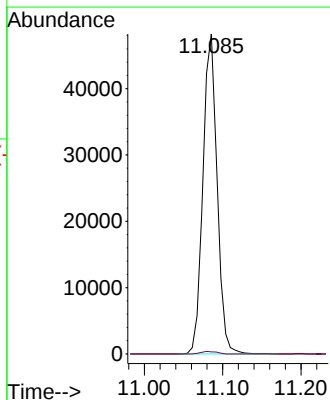
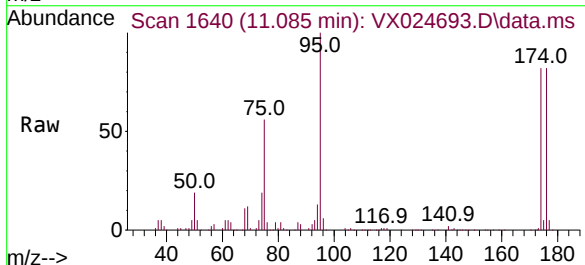
Instrument :
 MSVOA_X
 ClientSampled :

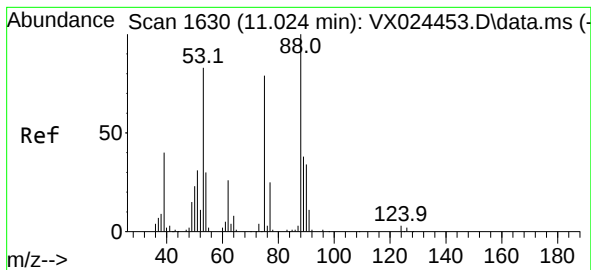
Tgt Ion:152 Resp: 101633
 Ion Ratio Lower Upper
 152 100
 115 60.4 41.1 123.3
 150 154.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.249 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024693.D
 Acq: 09 Oct 2021 01:22

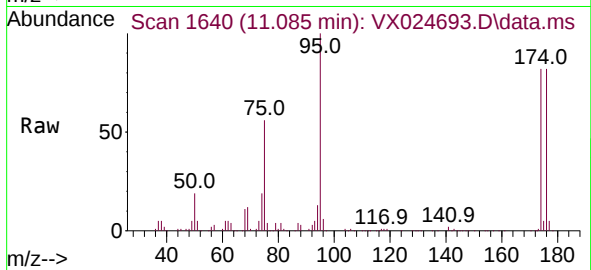
Tgt Ion: 75 Resp: 60584
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.484 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024693.D
 Acq: 09 Oct 2021 01:22

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 60584
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

