

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080521\
 Data File : VX023571.D
 Acq On : 05 Aug 2021 14:39
 Operator : JC/MD
 Sample : M3297-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 123-24

Quant Time: Aug 06 03:23:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

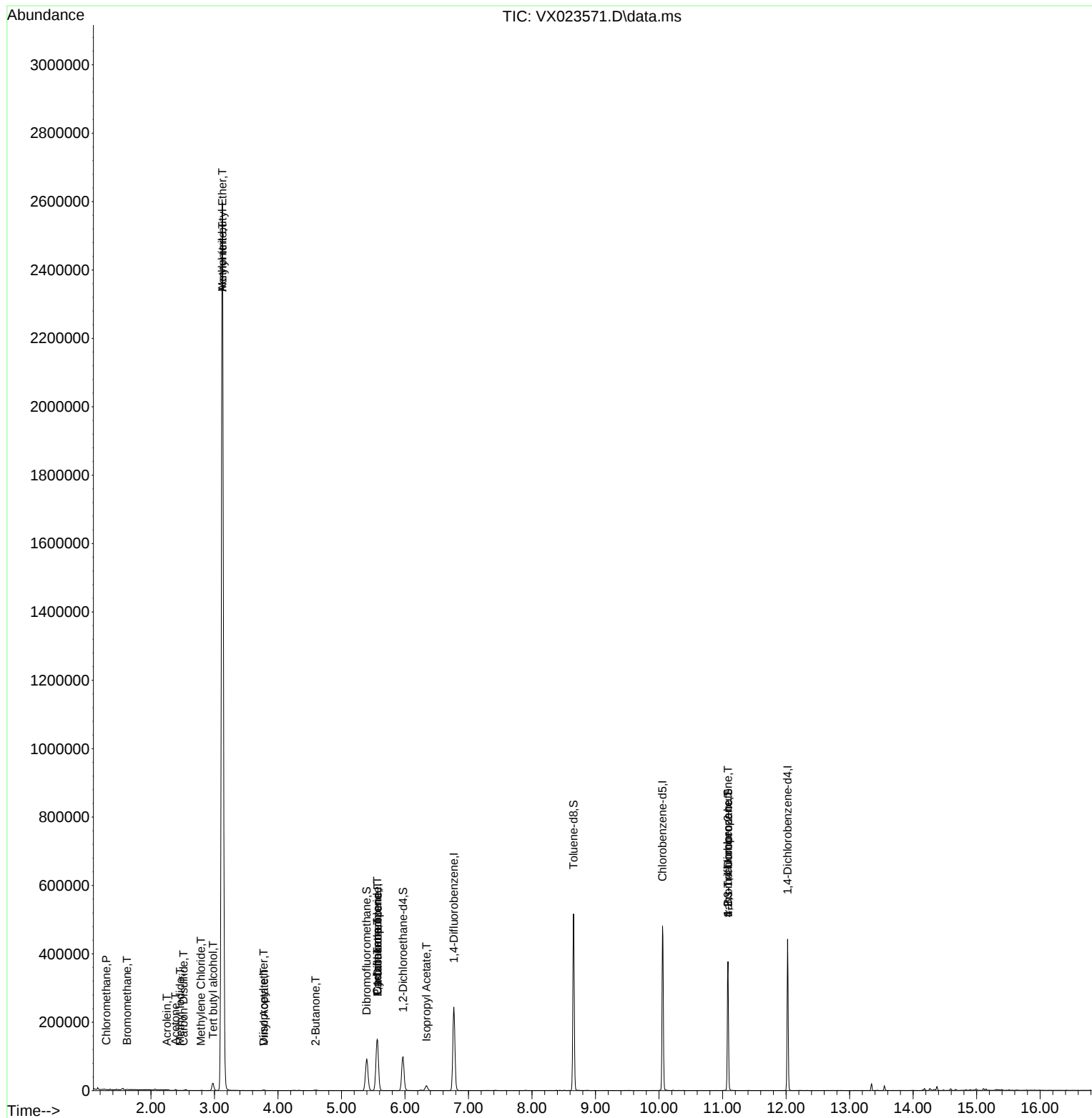
Internal Standards						
1) Pentafluorobenzene	5.568	168	145219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	242652	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	96084	53.042	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.080%
35) Dibromofluoromethane	5.397	113	77403	51.018	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.040%
50) Toluene-d8	8.653	98	293260	52.611	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.220%
62) 4-Bromofluorobenzene	11.085	95	94404	49.806	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.620%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	353	0.227	ug/l #	74
5) Bromomethane	1.624	94	469	0.501	ug/l	97
10) Methyl Iodide	2.459	142	412	0.229	ug/l	90
11) Tert butyl alcohol	2.977	59	23810	57.538	ug/l #	73
13) Acrolein	2.252	56	95	1.813	ug/l #	63
15) Acrylonitrile	3.123	53	30908	33.076	ug/l #	29
16) Acetone	2.386	43	2618	2.946	ug/l #	87
17) Carbon Disulfide	2.514	76	913	0.259	ug/l #	75
19) Methyl tert-butyl Ether	3.123	73	2806494	565.676	ug/l	98
20) Methylene Chloride	2.788	84	394	0.228	ug/l #	62
22) Diisopropyl ether	3.776	45	1635	0.319	ug/l #	79
23) Vinyl Acetate	3.782	43	1004	0.222	ug/l #	68
25) 2-Butanone	4.593	43	501	0.363	ug/l #	45
31) Cyclohexane	5.562	56	3199	1.192	ug/l #	48
36) 1,1-Dichloropropene	5.568	75	10882	4.958	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14361	6.433	ug/l #	16
43) Isopropyl Acetate	6.336	43	5105	1.190	ug/l #	23
76) 1,2,3-Trichloropropane	11.085	75	50193	26.593	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	50193	71.504	ug/l #	12

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

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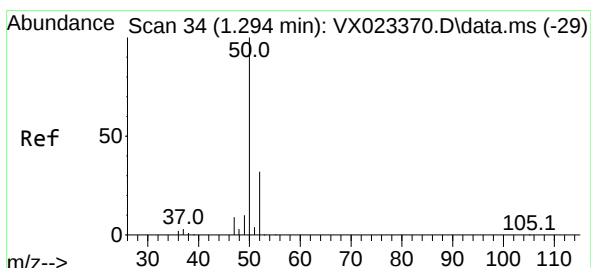
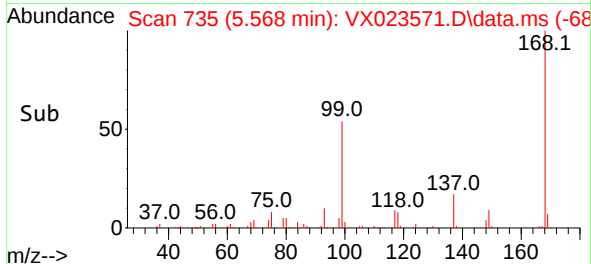
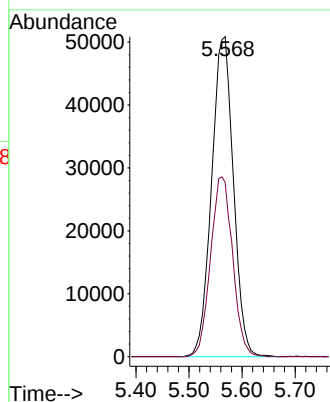
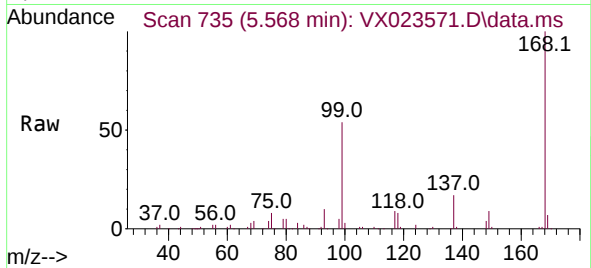




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

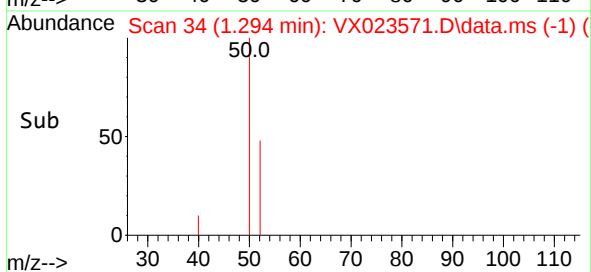
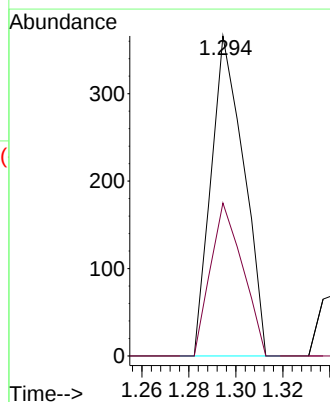
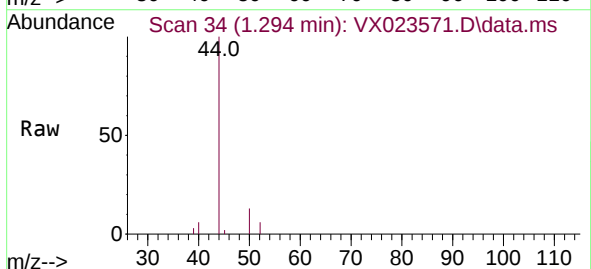
Instrument :
MSVOA_X
ClientSampleId :
123-24

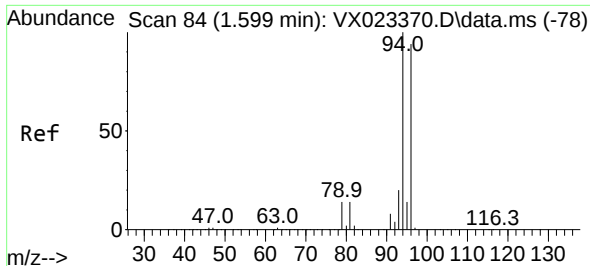
Tgt Ion:168 Resp: 145219
Ion Ratio Lower Upper
168 100
99 54.5 45.8 68.6



#3
Chloromethane
Concen: 0.227 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

Tgt Ion: 50 Resp: 353
Ion Ratio Lower Upper
50 100
52 47.8 26.4 39.6#

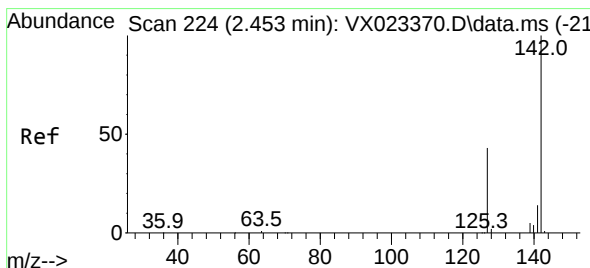
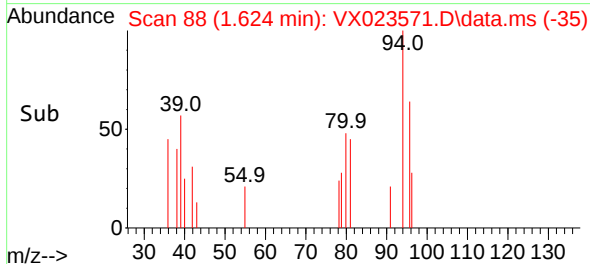
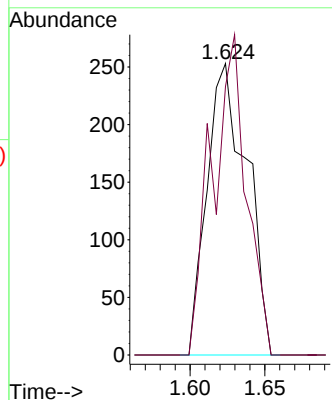
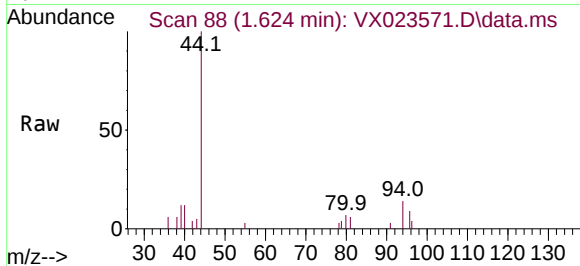




#5
Bromomethane
Concen: 0.501 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

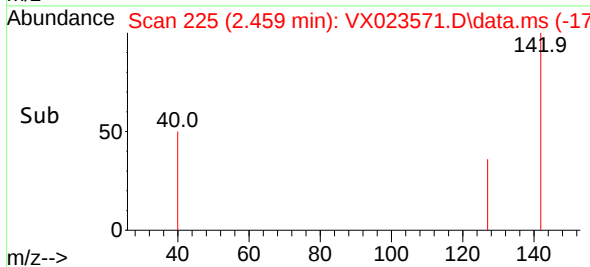
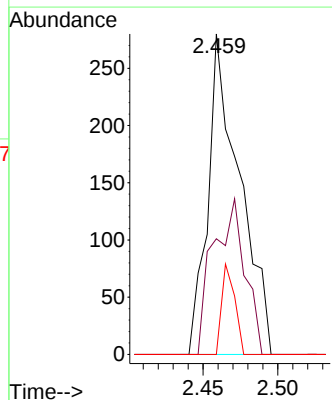
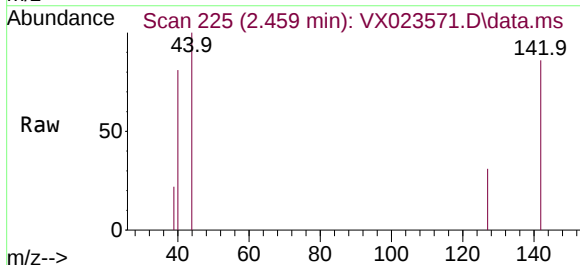
Instrument :
MSVOA_X
ClientSampled :
123-24

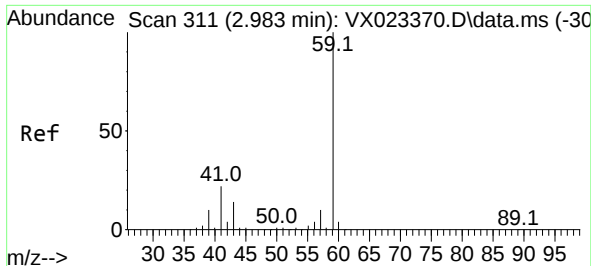
Tgt Ion: 94 Resp: 469
Ion Ratio Lower Upper
94 100
96 92.1 76.4 114.6



#10
Methyl Iodide
Concen: 0.229 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

Tgt Ion: 142 Resp: 412
Ion Ratio Lower Upper
142 100
127 48.8 33.3 49.9
141 11.7 11.4 17.0



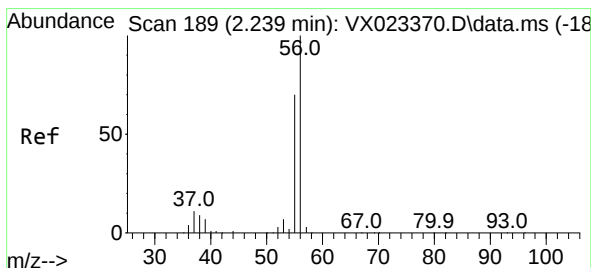
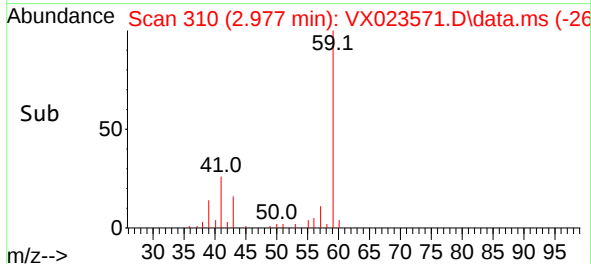
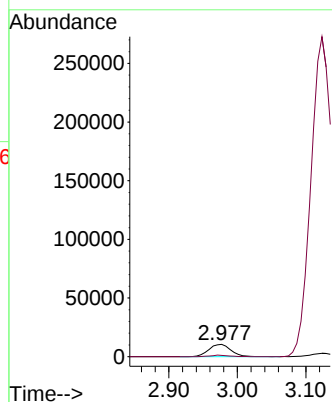
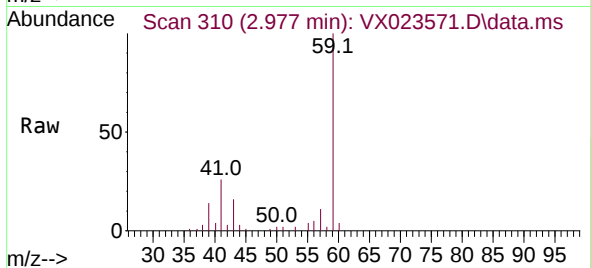


#11

Tert butyl alcohol
Concen: 57.538 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

Instrument :
MSVOA_X
ClientSampleId :
123-24

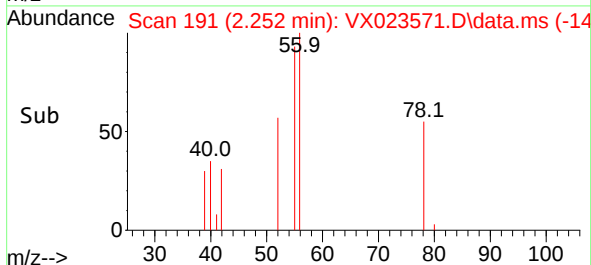
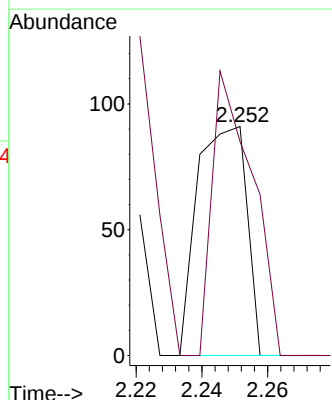
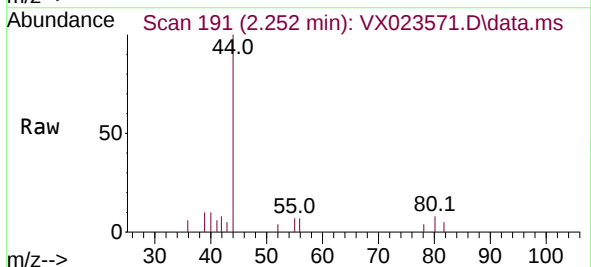
Tgt Ion: 59 Resp: 23810
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

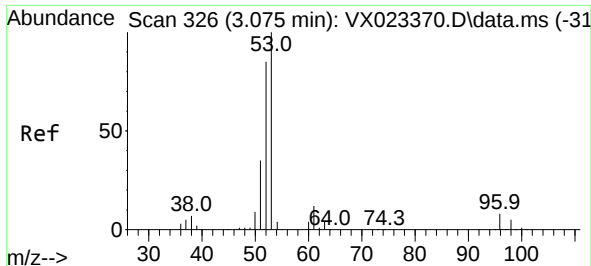


#13

Acrolein
Concen: 1.813 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.013 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 101.1 56.4 84.6#

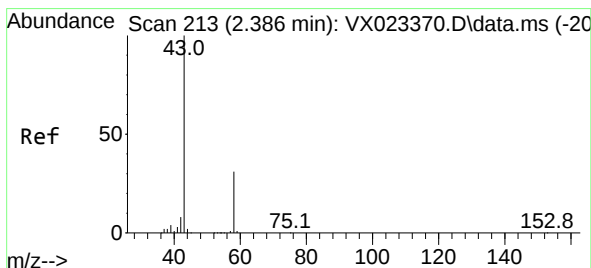
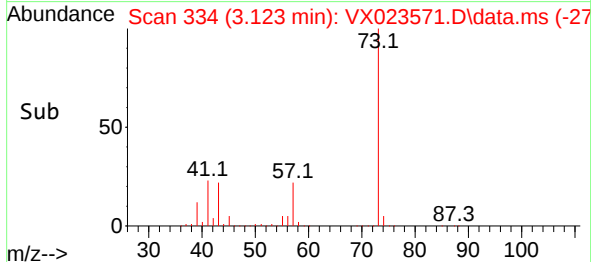
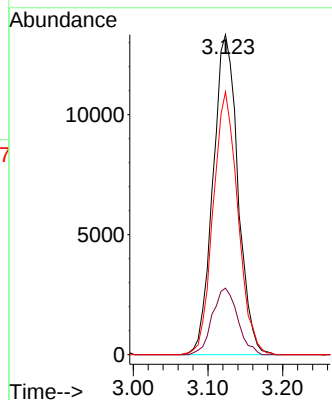
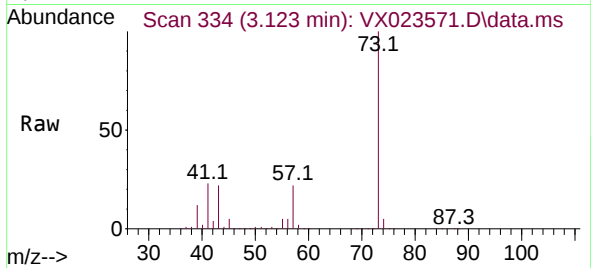




#15
Acrylonitrile
Concen: 33.076 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.048 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

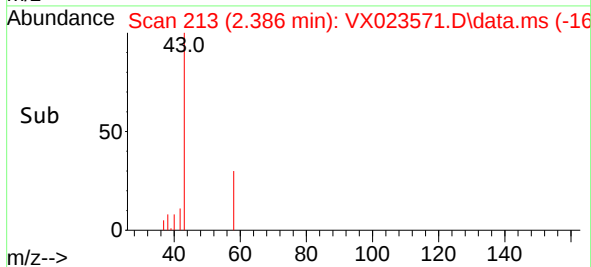
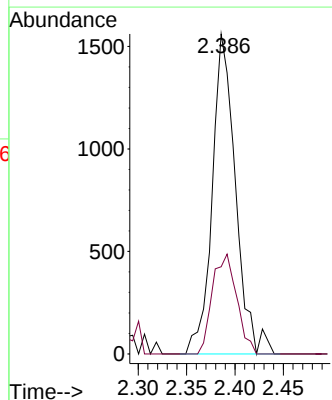
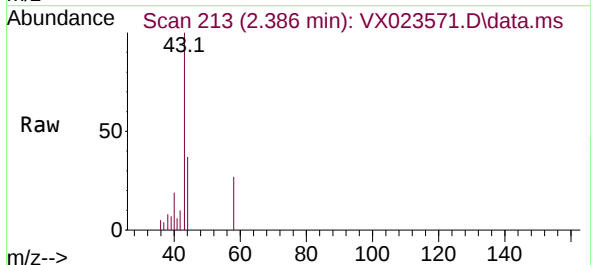
Instrument :
MSVOA_X
ClientSampleId :
123-24

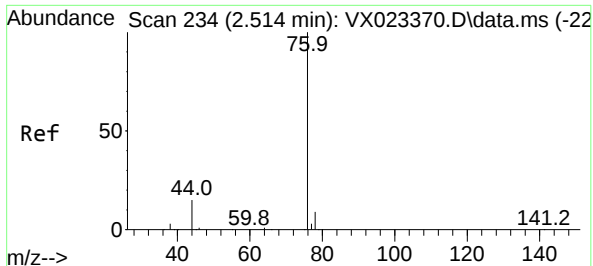
Tgt Ion: 53 Resp: 30908
Ion Ratio Lower Upper
53 100
52 21.1 65.3 97.9#
51 81.5 28.2 42.2#



#16
Acetone
Concen: 2.946 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

Tgt Ion: 43 Resp: 2618
Ion Ratio Lower Upper
43 100
58 27.2 27.8 41.8#

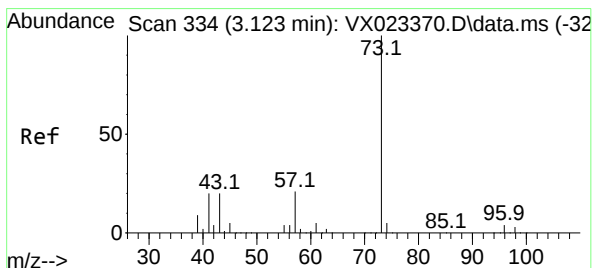
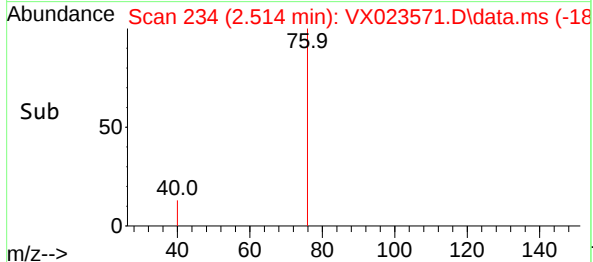
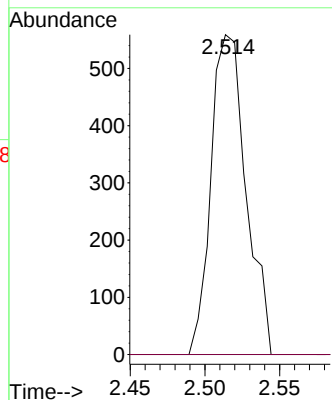
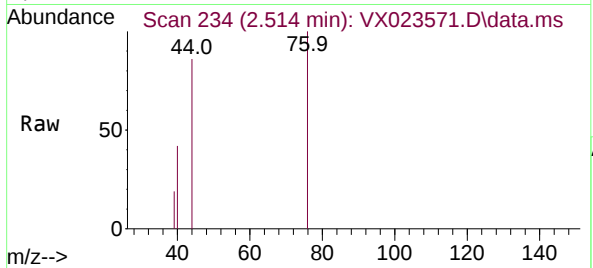




#17
Carbon Disulfide
Concen: 0.259 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

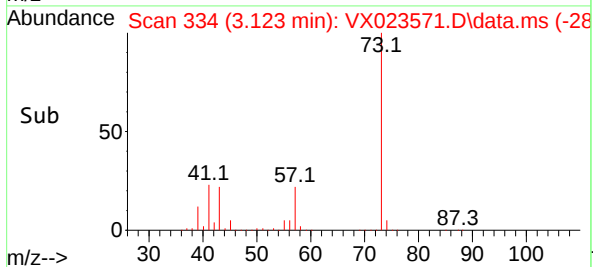
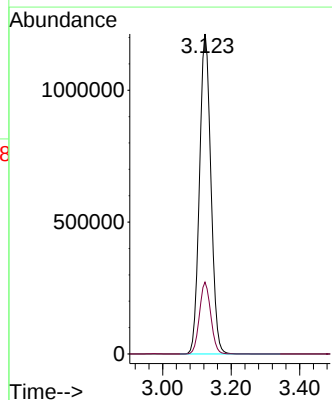
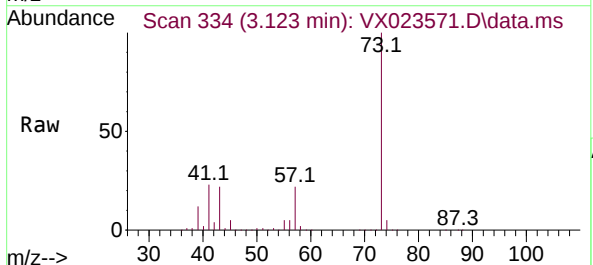
Instrument :
MSVOA_X
ClientSampleId :
123-24

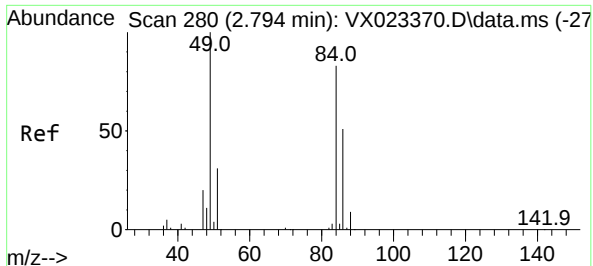
Tgt Ion: 76 Resp: 913
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 565.676 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

Tgt Ion: 73 Resp: 2806494
Ion Ratio Lower Upper
73 100
57 22.5 17.1 25.7





#20

Methylene Chloride

Concen: 0.228 ug/l

RT: 2.788 min Scan# 279

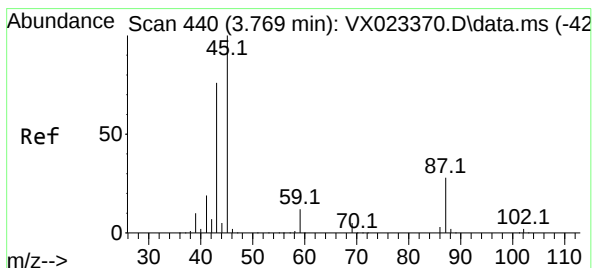
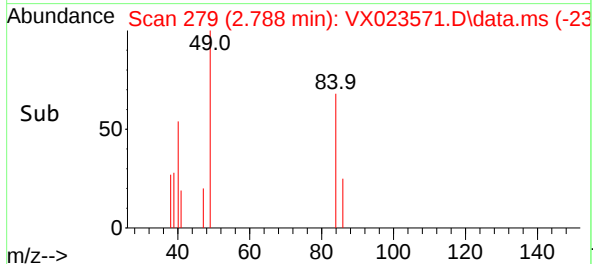
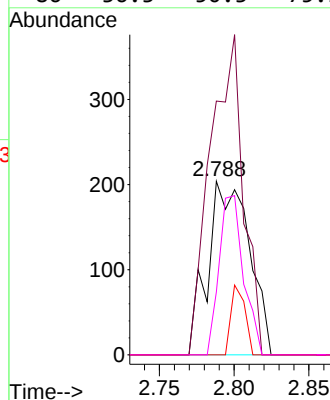
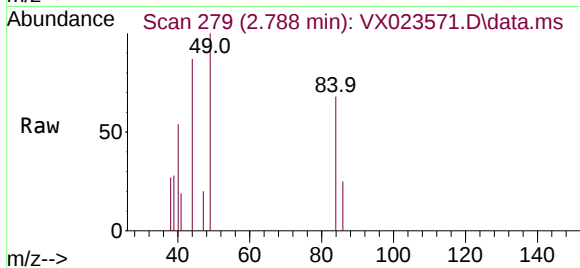
Delta R.T. -0.006 min

Lab File: VX023571.D

Acq: 05 Aug 2021 14:39

Instrument :
MSVOA_X
ClientSampled :
123-24

Tgt Ion:	84	Resp:	394
Ion	Ratio	Lower	Upper
84	100		
49	146.1	88.6	132.8#
51	0.0	27.0	40.6#
86	36.3	50.3	75.5#



#22

Diisopropyl ether

Concen: 0.319 ug/l

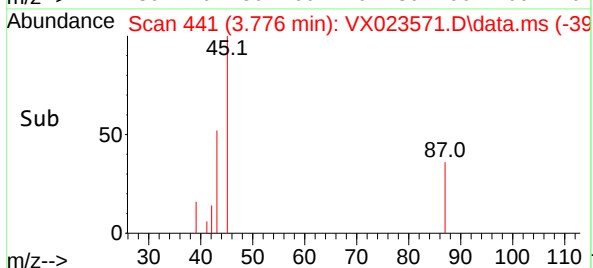
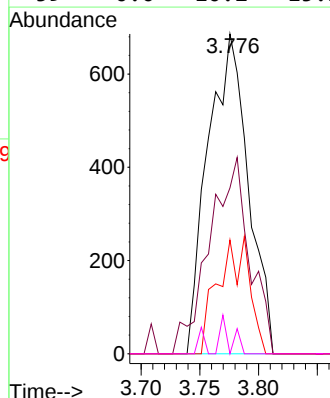
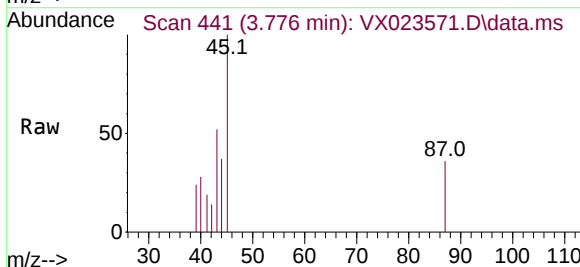
RT: 3.776 min Scan# 441

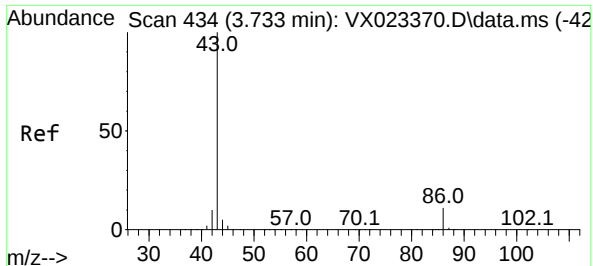
Delta R.T. 0.007 min

Lab File: VX023571.D

Acq: 05 Aug 2021 14:39

Tgt Ion:	45	Resp:	1635
Ion	Ratio	Lower	Upper
45	100		
43	51.9	58.0	87.0#
87	35.6	25.4	38.0
59	0.0	10.2	15.2#

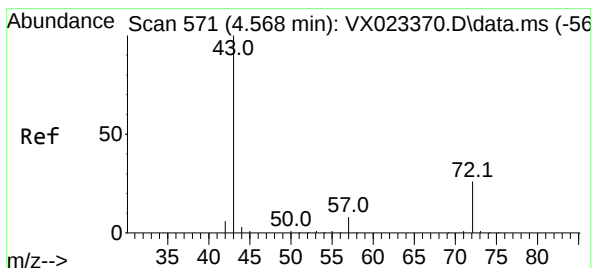
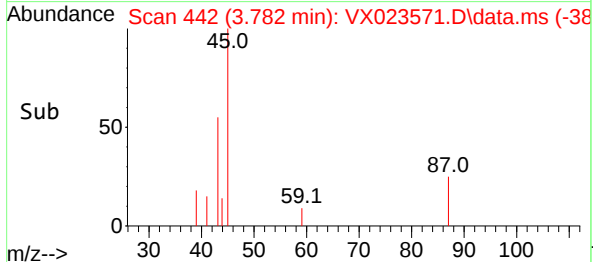
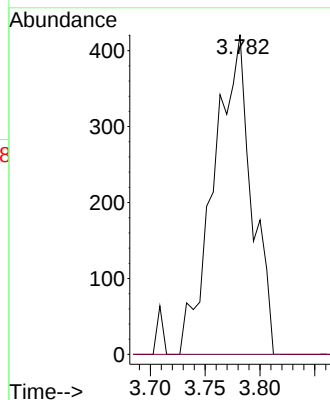
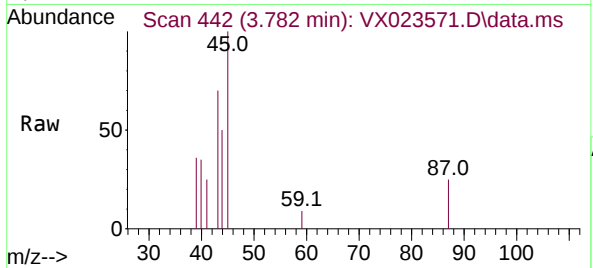




#23
 Vinyl Acetate
 Concen: 0.222 ug/l
 RT: 3.782 min Scan# 442
 Delta R.T. 0.049 min
 Lab File: VX023571.D
 Acq: 05 Aug 2021 14:39

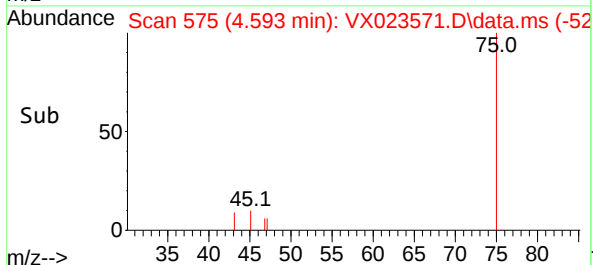
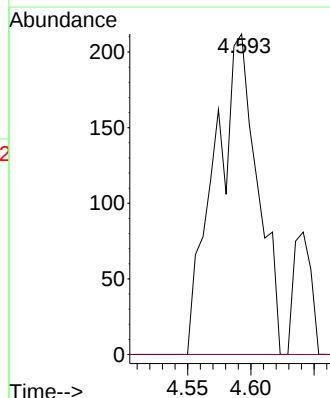
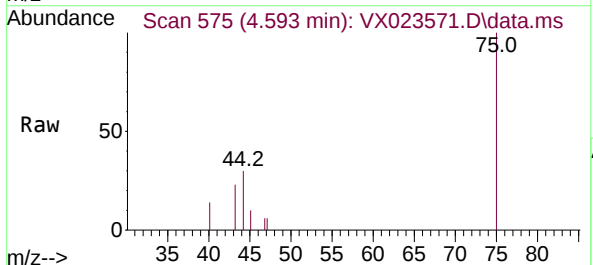
Instrument :
 MSVOA_X
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 123-24

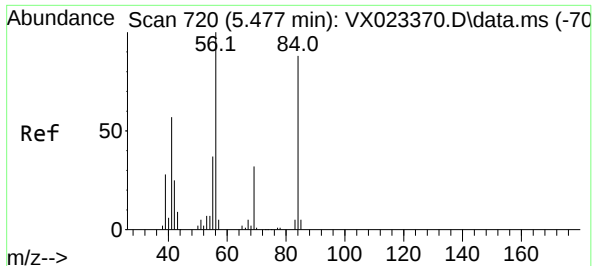
Tgt Ion: 43 Resp: 1004
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 0.363 ug/l
 RT: 4.593 min Scan# 575
 Delta R.T. 0.025 min
 Lab File: VX023571.D
 Acq: 05 Aug 2021 14:39

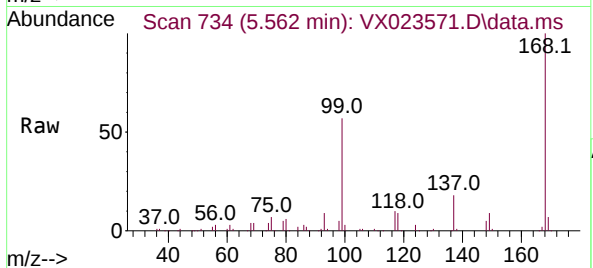
Tgt Ion: 43 Resp: 501
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.7 35.5#



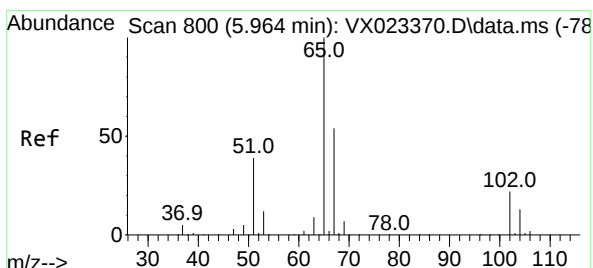
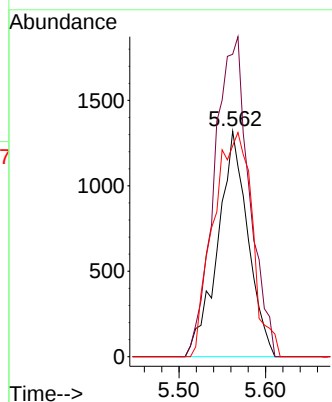
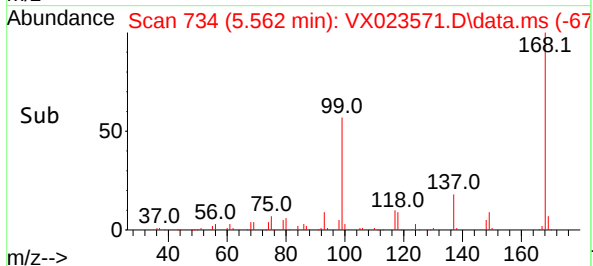


#31
Cyclohexane
Concen: 1.192 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

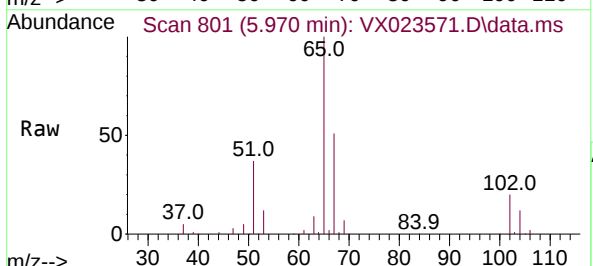
Instrument :
MSVOA_X
ClientSampled :
123-24



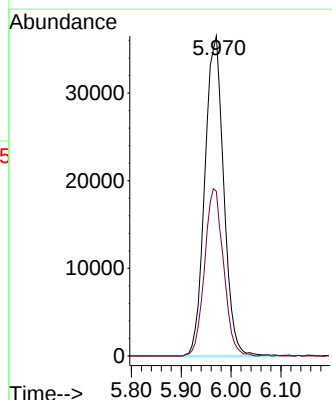
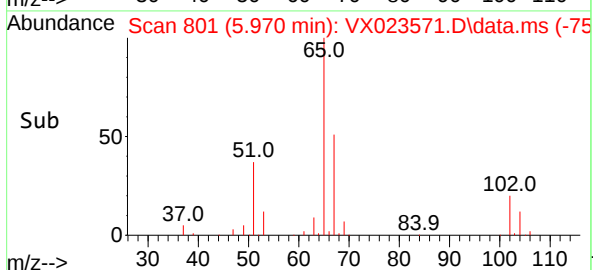
Tgt Ion: 56 Resp: 3199
Ion Ratio Lower Upper
56 100
69 134.1 25.3 37.9#
84 93.5 71.4 107.0

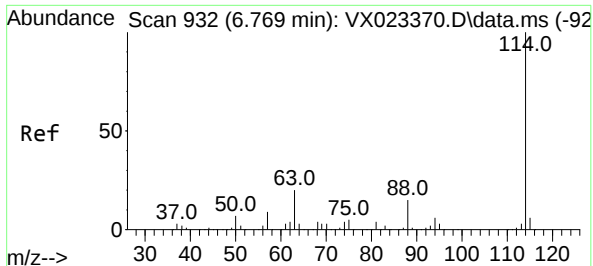


#33
1,2-Dichloroethane-d4
Concen: 53.042 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39



Tgt Ion: 65 Resp: 96084
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.4

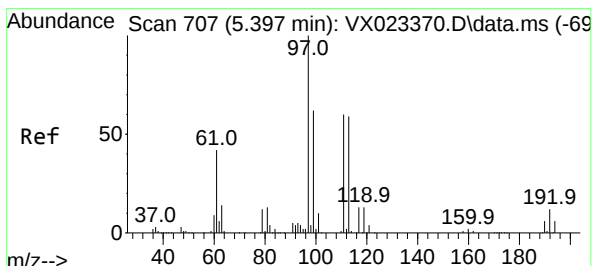
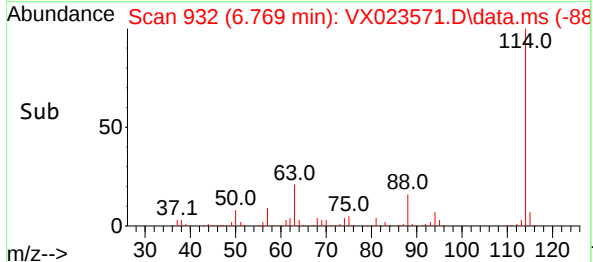
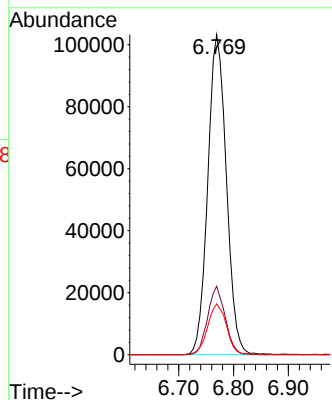
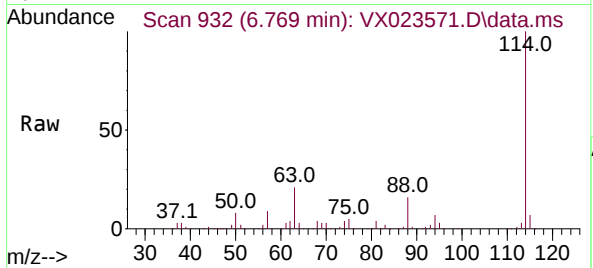




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

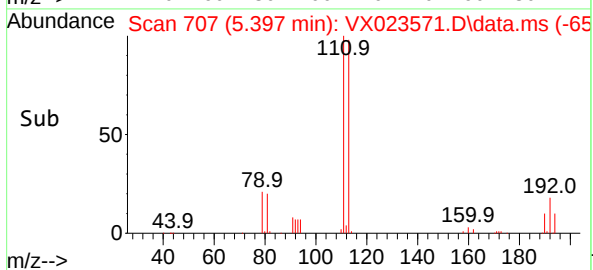
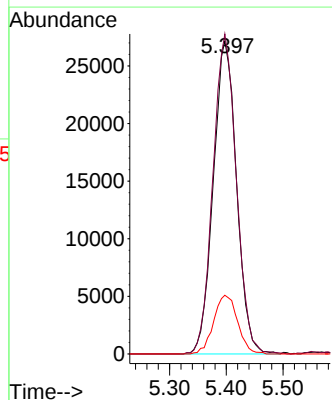
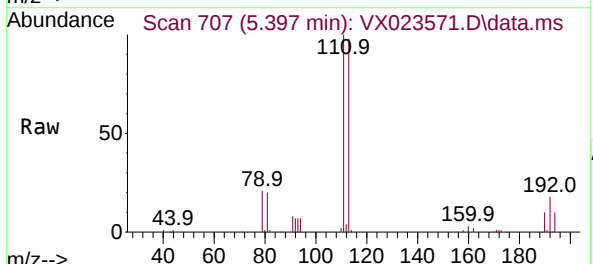
Instrument :
MSVOA_X
ClientSampleId :
123-24

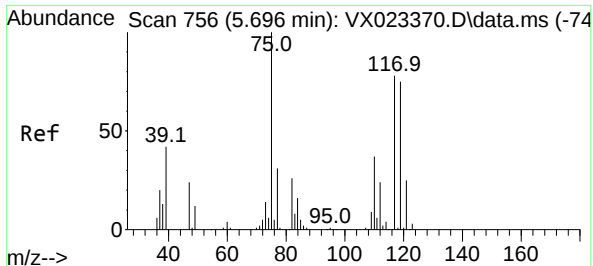
Tgt Ion:114 Resp: 242652
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.018 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

Tgt Ion:113 Resp: 77403
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 19.3 16.7 25.1

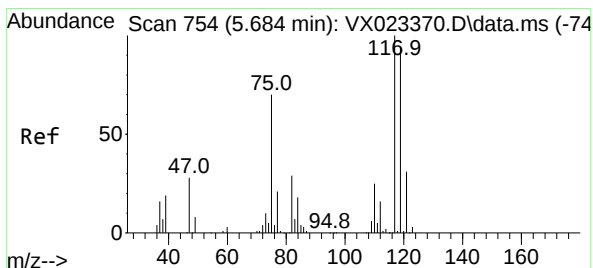
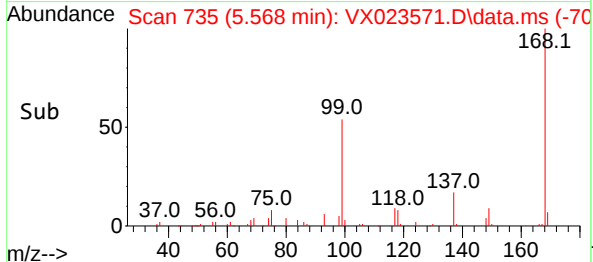
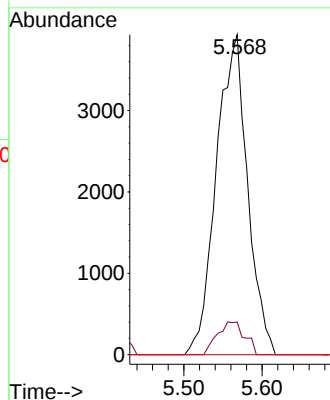
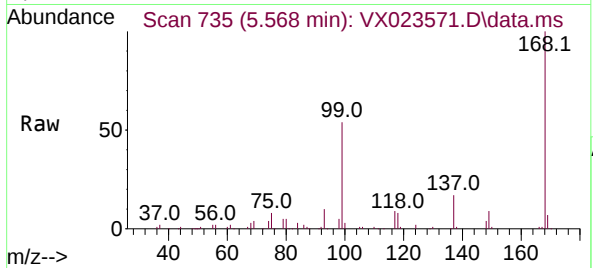




#36
1,1-Dichloropropene
Concen: 4.958 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

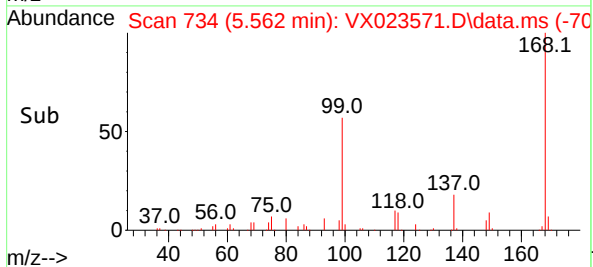
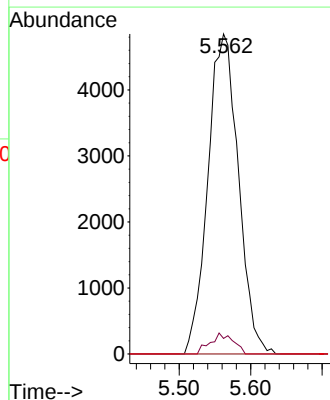
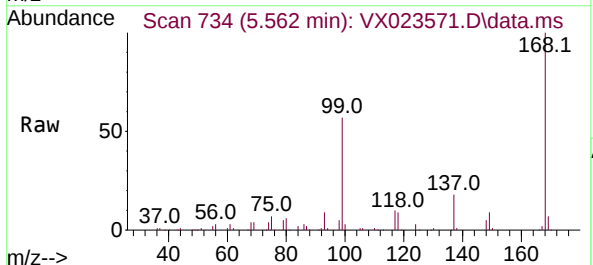
Instrument :
MSVOA_X
ClientSampled :
123-24

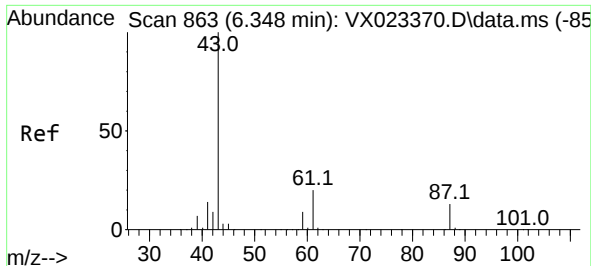
Tgt Ion: 75 Resp: 10882
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.433 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

Tgt Ion: 117 Resp: 14361
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#

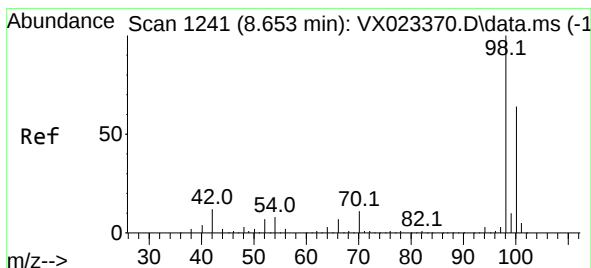
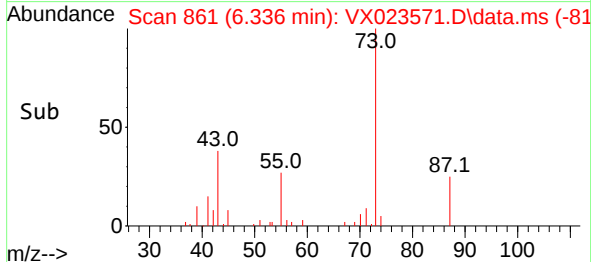
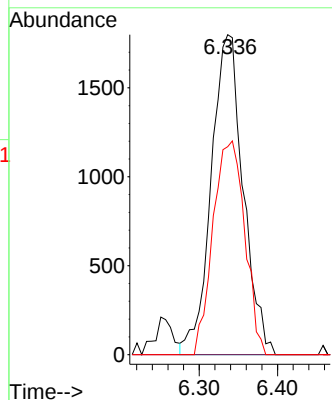
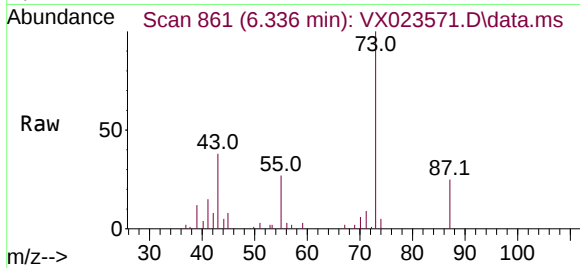




#43
Isopropyl Acetate
Concen: 1.190 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.012 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

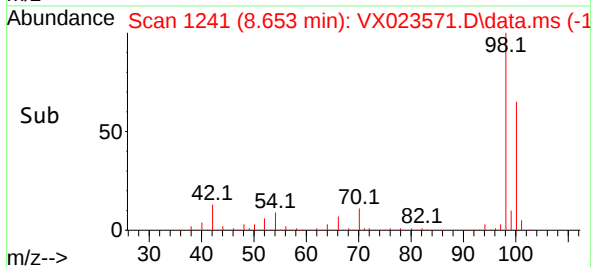
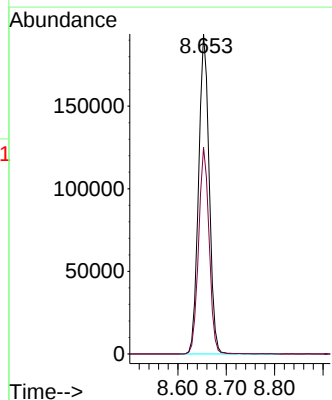
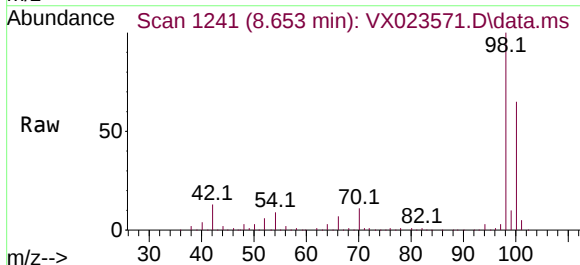
Instrument :
MSVOA_X
ClientSampleId :
123-24

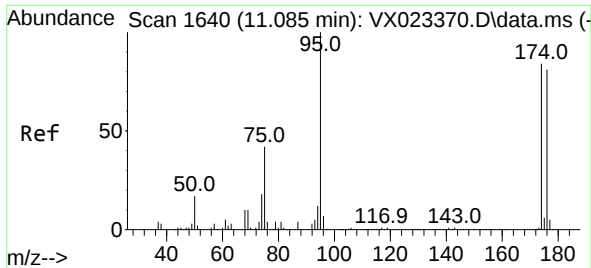
Tgt Ion: 43 Resp: 5105
Ion Ratio Lower Upper
43 100
61 0.0 18.2 27.4#
87 66.2 12.5 18.7#



#50
Toluene-d8
Concen: 52.611 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

Tgt Ion: 98 Resp: 293260
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

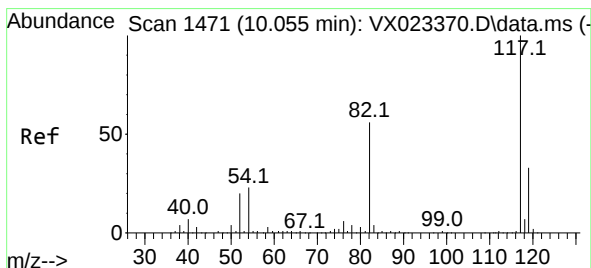
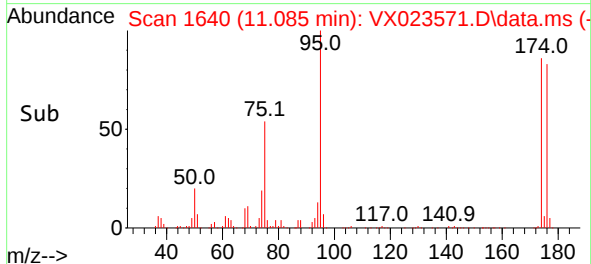
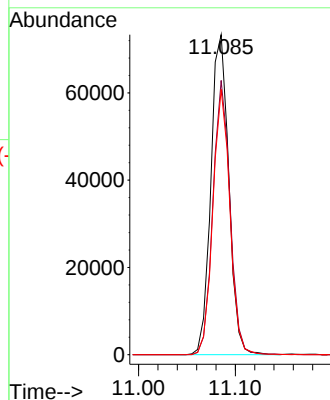
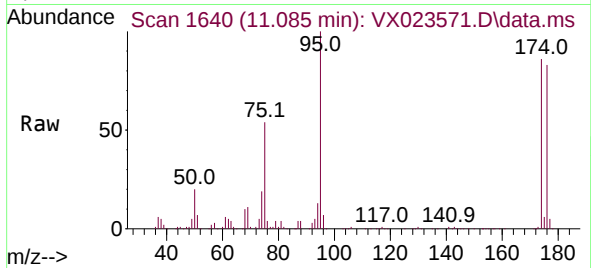




#62
4-Bromofluorobenzene
Concen: 49.806 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

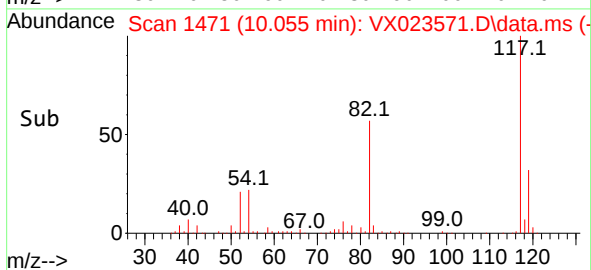
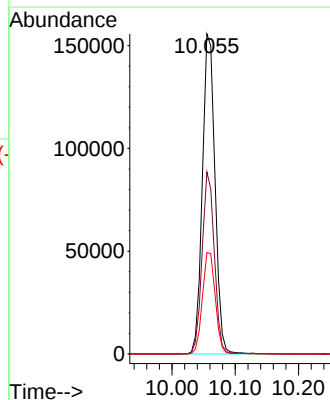
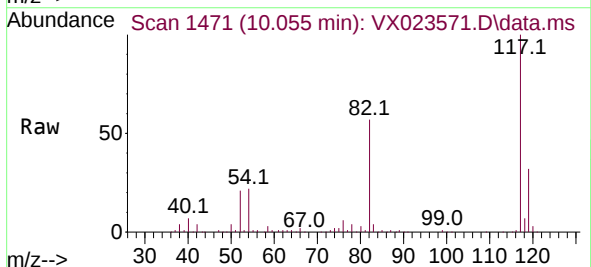
Instrument :
MSVOA_X
ClientSampled :
123-24

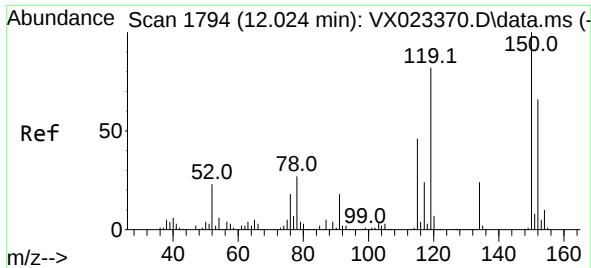
Tgt Ion: 95 Resp: 94404
Ion Ratio Lower Upper
95 100
174 81.9 0.0 154.6
176 78.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023571.D
Acq: 05 Aug 2021 14:39

Tgt Ion: 117 Resp: 216920
Ion Ratio Lower Upper
117 100
82 56.9 47.4 71.2
119 31.7 26.6 39.8

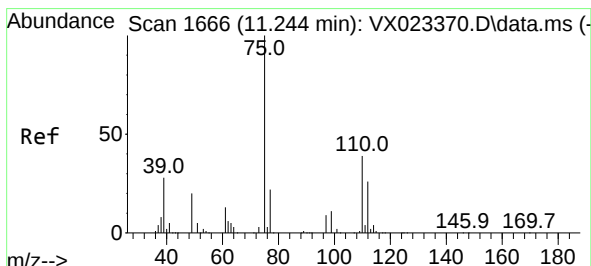
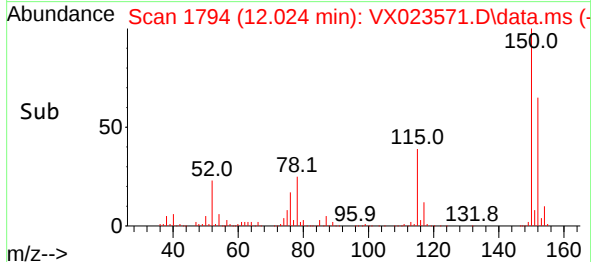
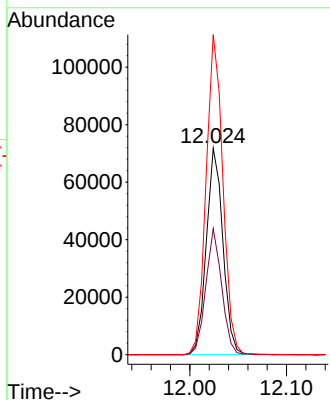
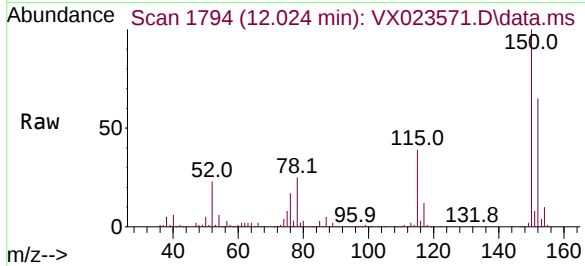




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023571.D
 Acq: 05 Aug 2021 14:39

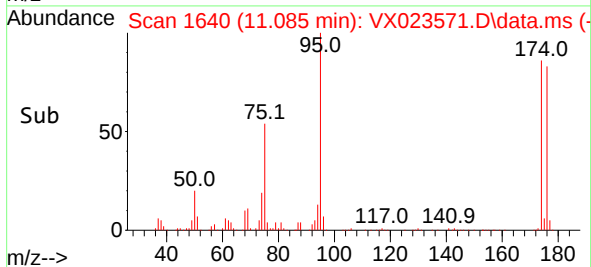
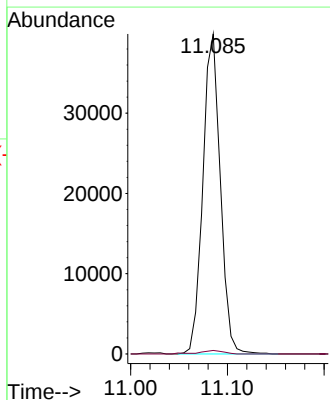
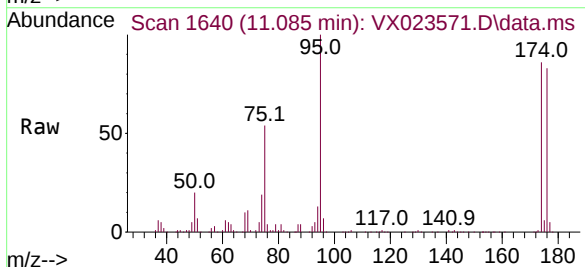
Instrument :
 MSVOA_X
 ClientSampled :
 123-24

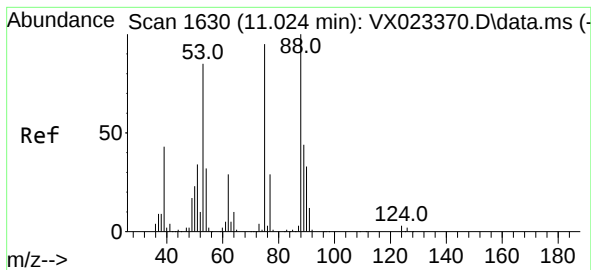
Tgt Ion:152 Resp: 85772
 Ion Ratio Lower Upper
 152 100
 115 58.8 41.1 123.3
 150 156.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.593 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023571.D
 Acq: 05 Aug 2021 14:39

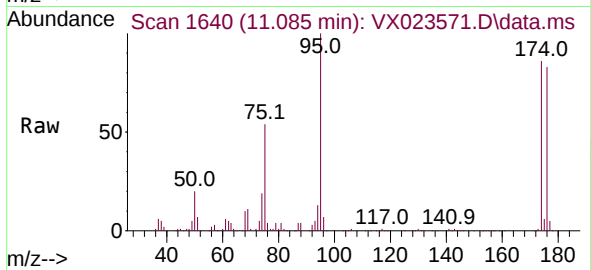
Tgt Ion: 75 Resp: 50193
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.504 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023571.D
 Acq: 05 Aug 2021 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 123-24



Tgt Ion: 75 Resp: 50193
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.1 37.9 56.9#

