

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100421\
 Data File : VX024550.D
 Acq On : 05 Oct 2021 04:05
 Operator : JC/MD
 Sample : M4039-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Quant Time: Oct 05 08:35:06 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

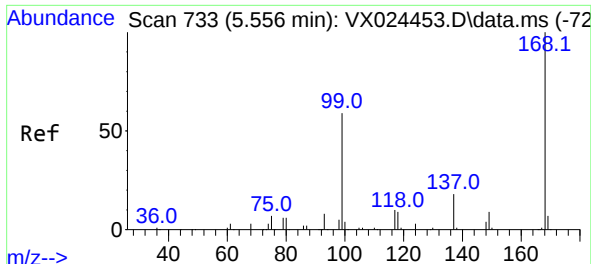
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	140992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	256150	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105331	53.007	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.020%	
35) Dibromofluoromethane	5.391	113	82668	48.581	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.160%	
50) Toluene-d8	8.653	98	334649	53.432	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.860%	
62) 4-Bromofluorobenzene	11.085	95	121953	49.524	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.040%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	466	0.756	ug/l #	43
11) Tert butyl alcohol	2.971	59	3074	Below Cal	#	88
13) Acrolein	2.239	56	71	10.692	ug/l #	33
16) Acetone	2.386	43	19694	13.913	ug/l	91
17) Carbon Disulfide	2.508	76	420	0.353	ug/l #	75
18) Methyl Acetate	2.709	43	1335	0.449	ug/l #	85
20) Methylene Chloride	2.794	84	13715	8.270	ug/l	97
25) 2-Butanone	4.568	43	14620	10.683	ug/l	92
29) Tetrahydrofuran	5.032	42	873	1.001	ug/l #	52
31) Cyclohexane	5.562	56	2927	1.230	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11043	4.497	ug/l #	49
37) Ethyl Acetate	4.568	43	14620	4.769	ug/l #	64
38) Carbon Tetrachloride	5.562	117	15193	5.684	ug/l #	16
43) Isopropyl Acetate	6.348	43	19019	4.081	ug/l	95
48) Methyl methacrylate	7.598	41	6155	2.667	ug/l #	10
49) 1,4-Dioxane	7.812	88	157	2.970	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	63677	20.694	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	29531	10.292	ug/l #	61
57) 1,3-Dichloropropane	9.488	76	16423	5.190	ug/l #	42
59) 2-Hexanone	9.488	43	240888	99.408	ug/l #	43
74) N-amyl acetate	10.768	43	2373	0.679	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	61453	25.176	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	61453	68.639	ug/l #	12

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

Quant Time: Oct 05 08:35:06 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

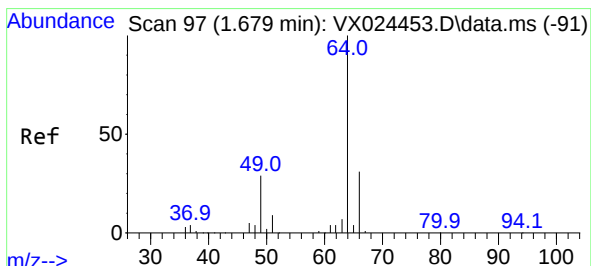
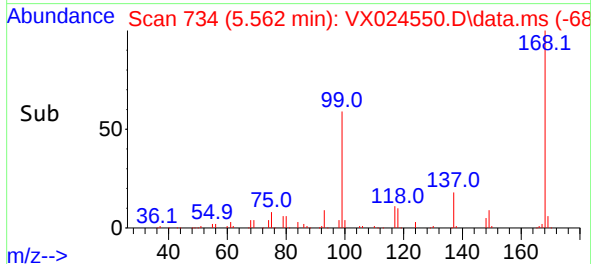
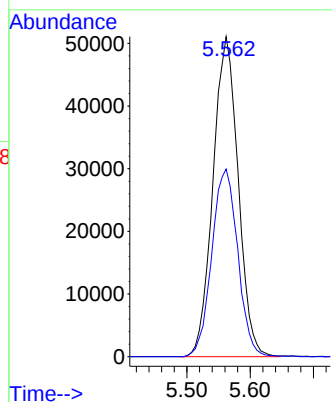
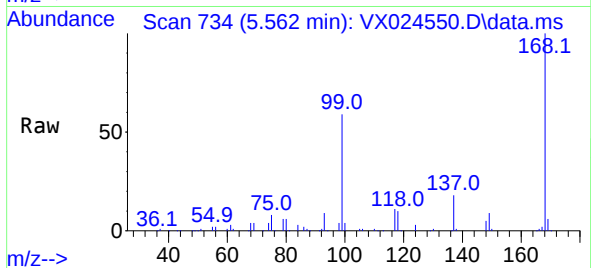




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

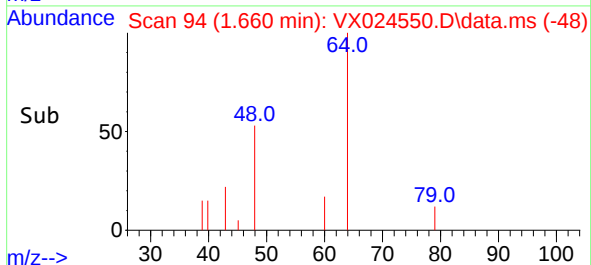
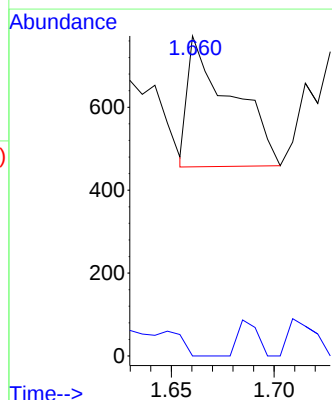
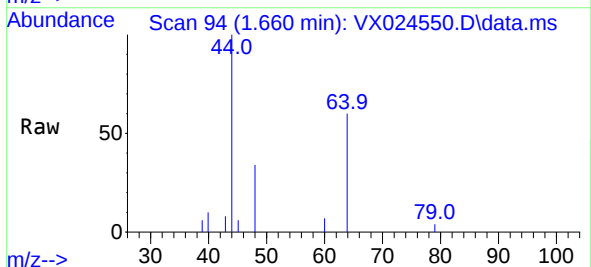
Instrument :
MSVOA_X
ClientSampleId :
TP-1

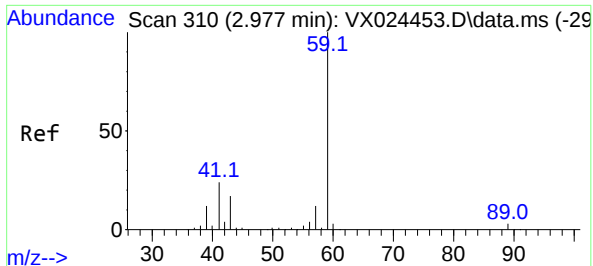
Tgt Ion:168 Resp: 140992
Ion Ratio Lower Upper
168 100
99 58.6 45.8 68.6



#6
Chloroethane
Concen: 0.756 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

Tgt Ion: 64 Resp: 466
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



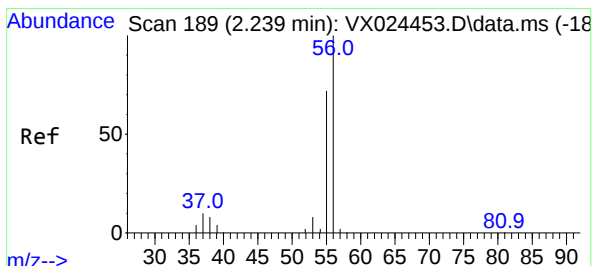
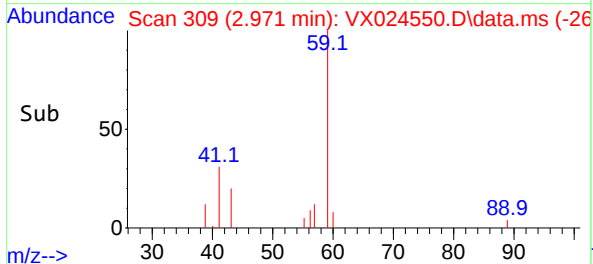
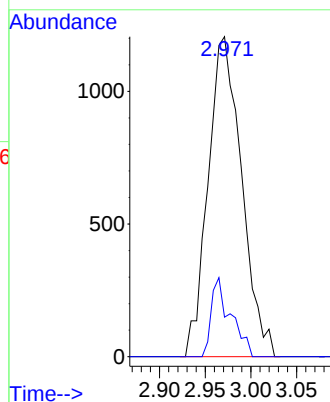
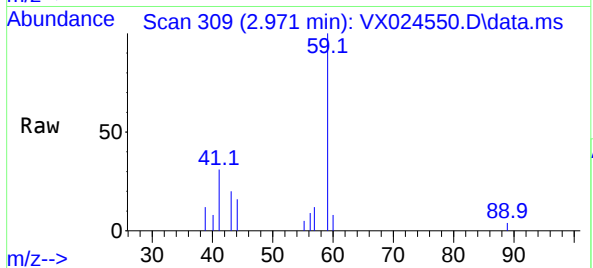


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

Instrument :
MSVOA_X
ClientSampled :
TP-1

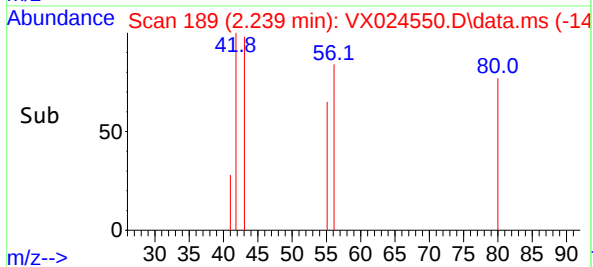
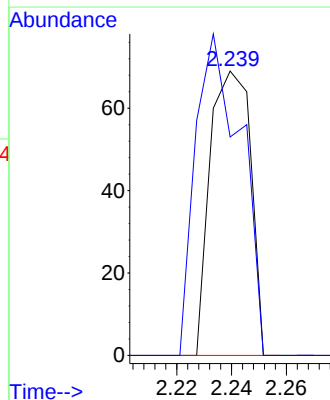
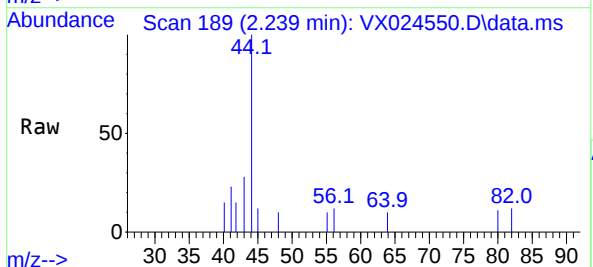
Tgt Ion: 59 Resp: 3074
Ion Ratio Lower Upper
59 100
57 14.3 7.8 11.8#

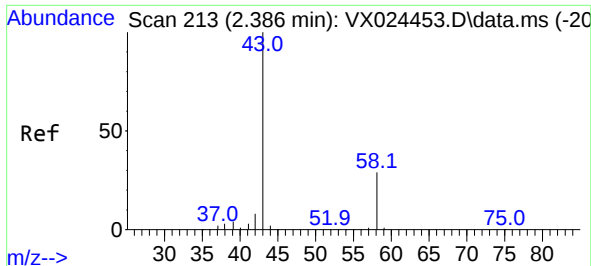


#13

Acrolein
Concen: 10.692 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 125.4 56.4 84.6#

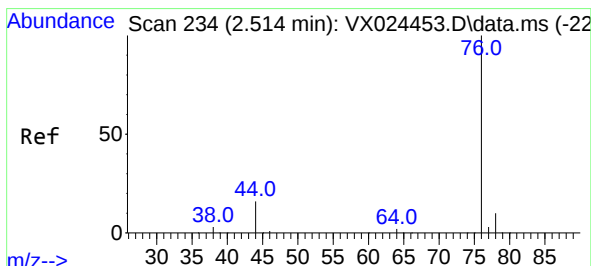
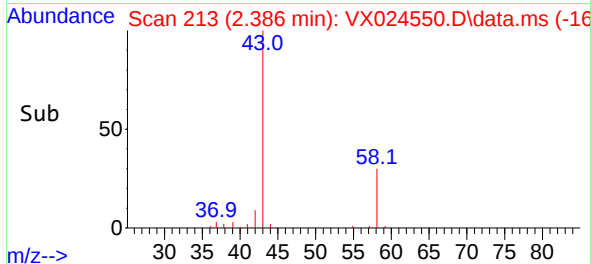
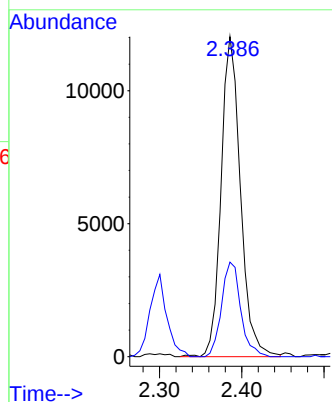
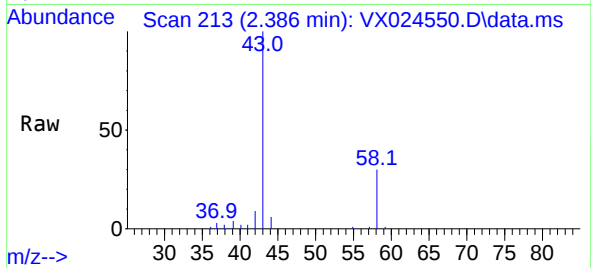




#16
Acetone
Concen: 13.913 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

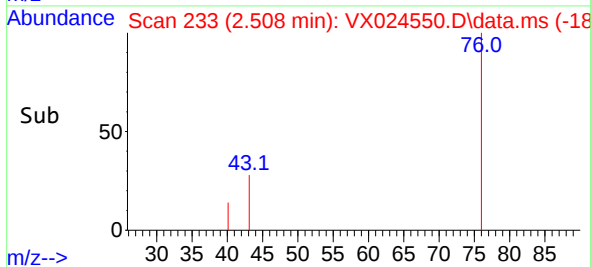
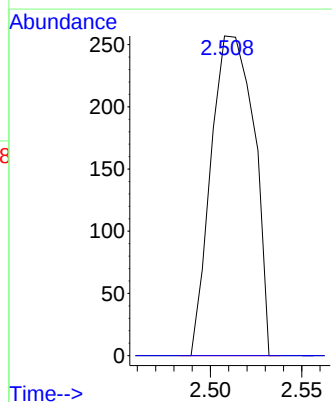
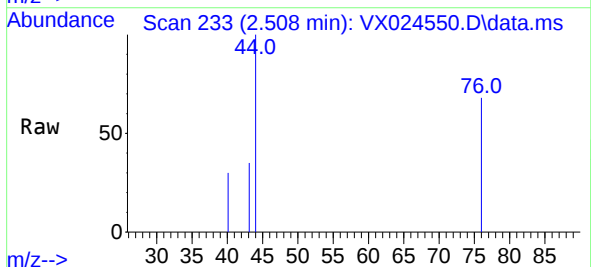
Instrument :
MSVOA_X
ClientSampled :
TP-1

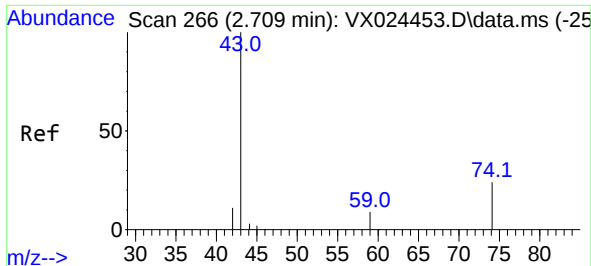
Tgt Ion: 43 Resp: 19694
Ion Ratio Lower Upper
43 100
58 29.5 27.8 41.8



#17
Carbon Disulfide
Concen: 0.353 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

Tgt Ion: 76 Resp: 420
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

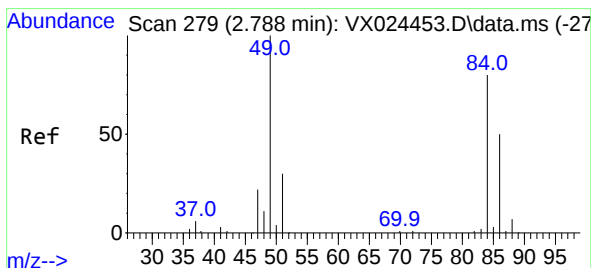
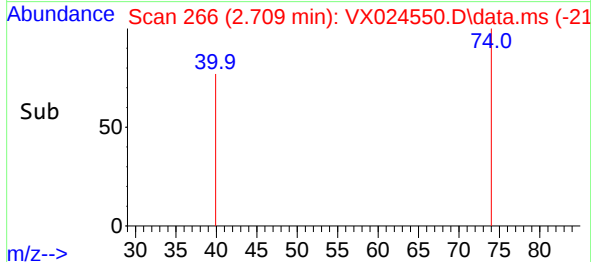
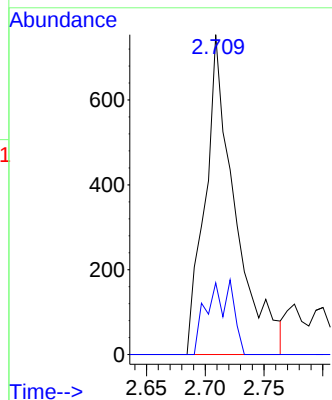
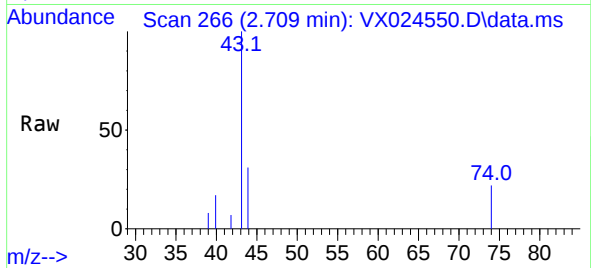




#18
Methyl Acetate
Concen: 0.449 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

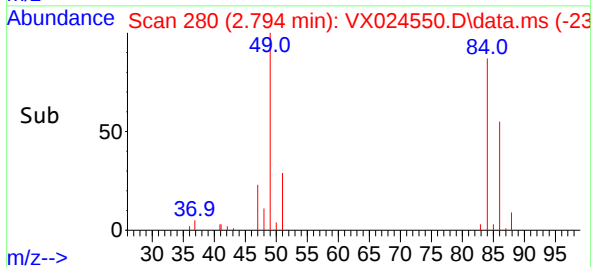
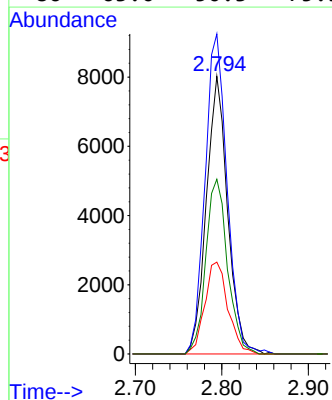
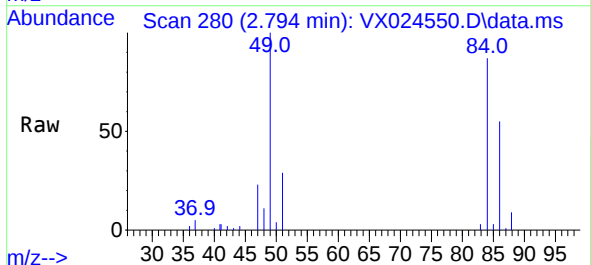
Instrument :
MSVOA_X
ClientSampled :
TP-1

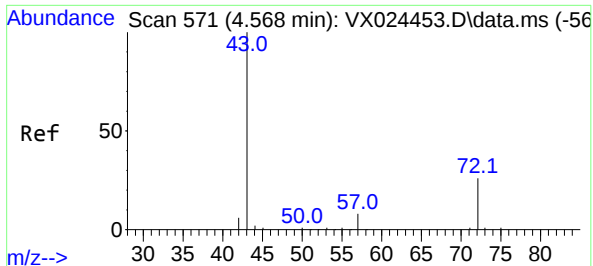
Tgt Ion: 43 Resp: 1335
Ion Ratio Lower Upper
43 100
74 19.7 21.9 32.9#



#20
Methylene Chloride
Concen: 8.270 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

Tgt Ion: 84 Resp: 13715
Ion Ratio Lower Upper
84 100
49 115.3 88.6 132.8
51 33.1 27.0 40.6
86 63.0 50.3 75.5

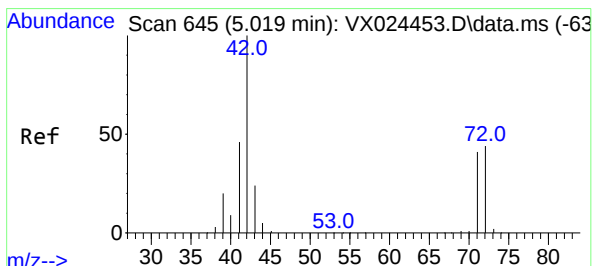
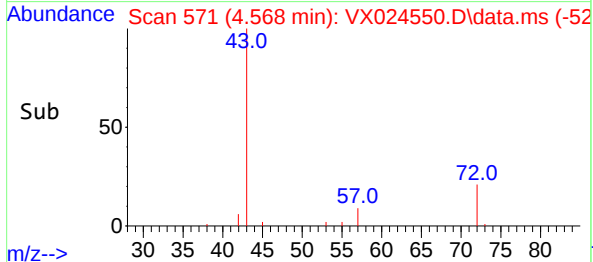
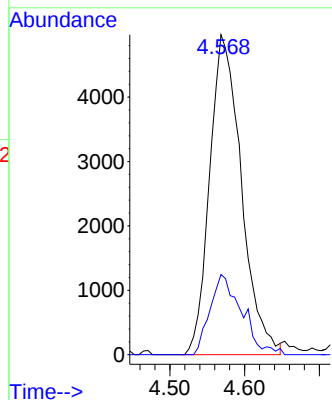
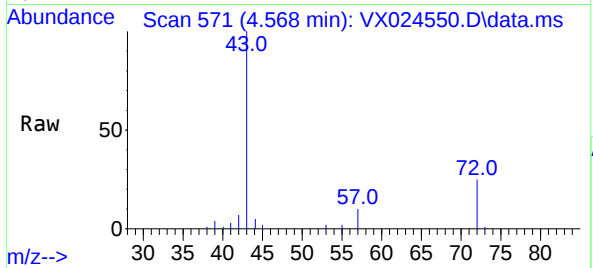




#25
2-Butanone
Concen: 10.683 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

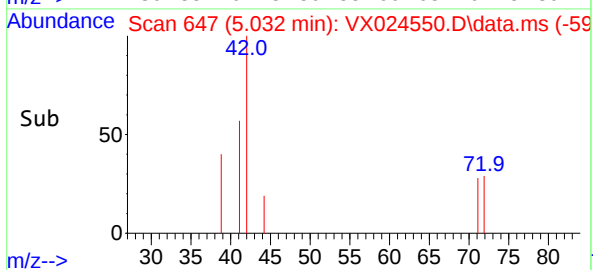
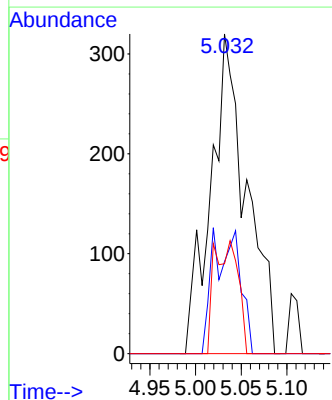
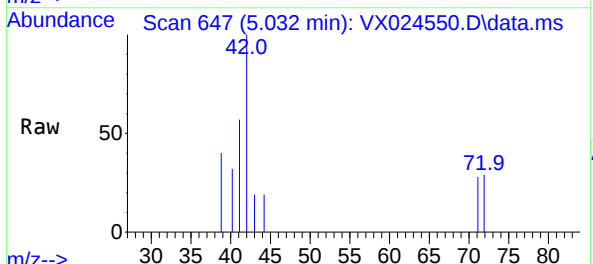
Instrument :
MSVOA_X
ClientSampled :
TP-1

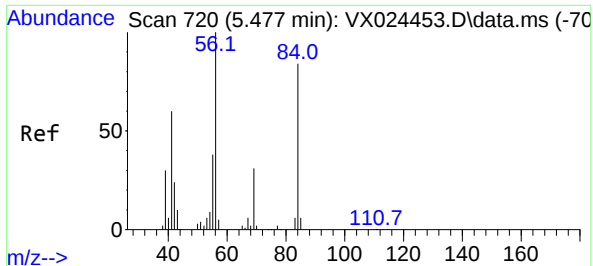
Tgt Ion: 43 Resp: 14620
Ion Ratio Lower Upper
43 100
72 25.1 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.001 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.013 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

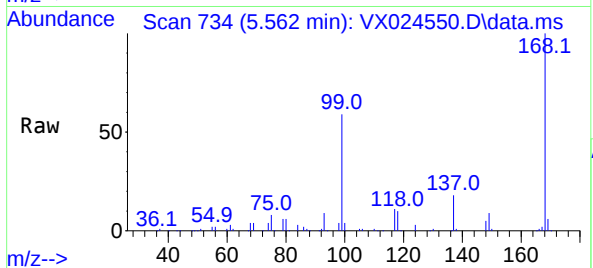
Tgt Ion: 42 Resp: 873
Ion Ratio Lower Upper
42 100
72 10.4 41.7 62.5#
71 23.4 38.4 57.6#



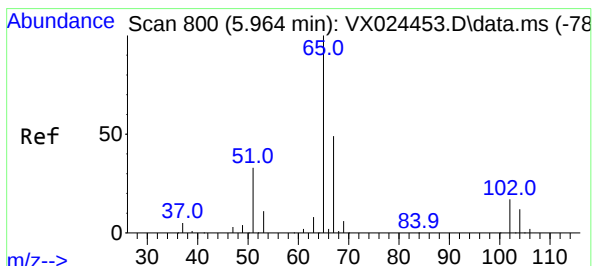
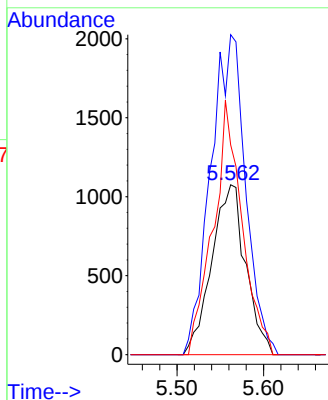
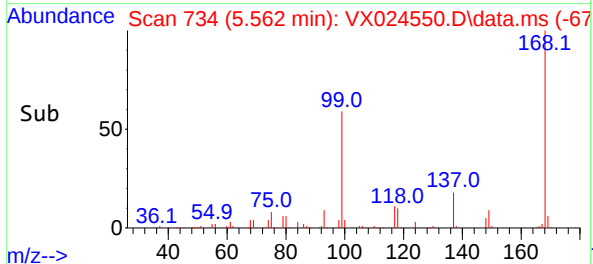


#31
Cyclohexane
Concen: 1.230 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

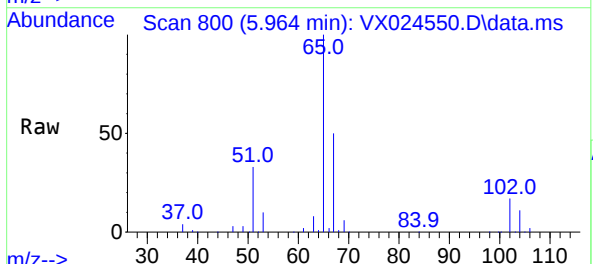
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MSVOA_X
ClientSampled :
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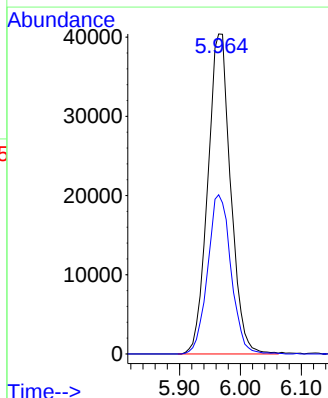
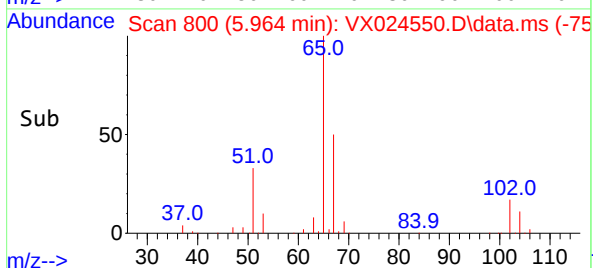
Tgt Ion: 56 Resp: 2927
Ion Ratio Lower Upper
56 100
69 188.3 25.3 37.9#
84 123.4 71.4 107.0#

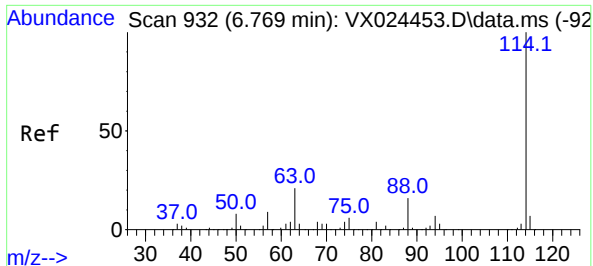


#33
1,2-Dichloroethane-d4
Concen: 53.007 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05



Tgt Ion: 65 Resp: 105331
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

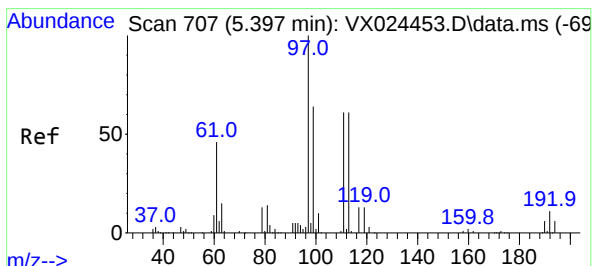
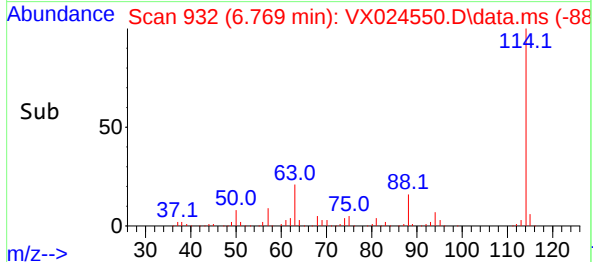
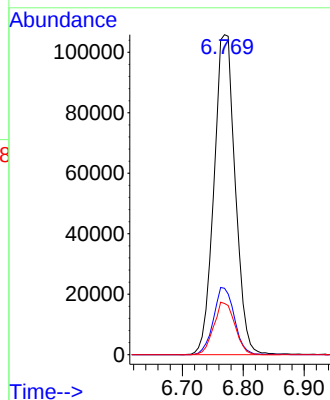
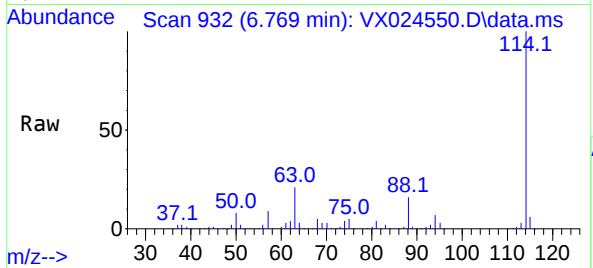




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

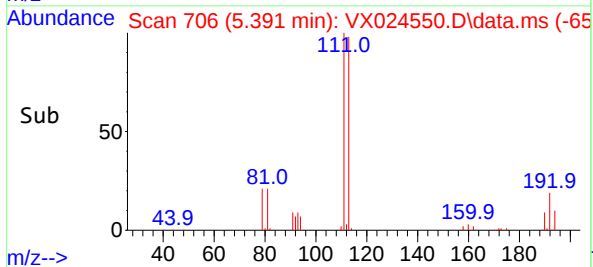
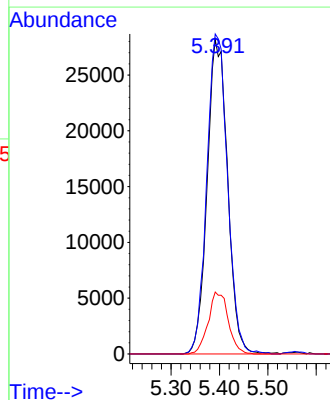
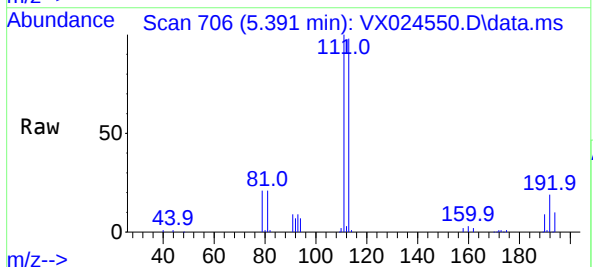
Instrument :
MSVOA_X
ClientSampleId :
TP-1

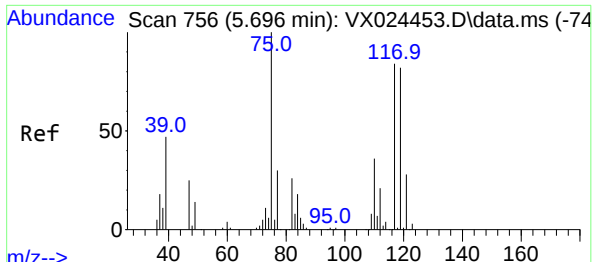
Tgt Ion:114 Resp: 256150
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.581 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

Tgt Ion:113 Resp: 82668
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 19.3 16.7 25.1

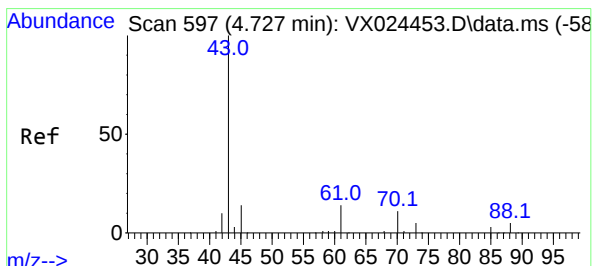
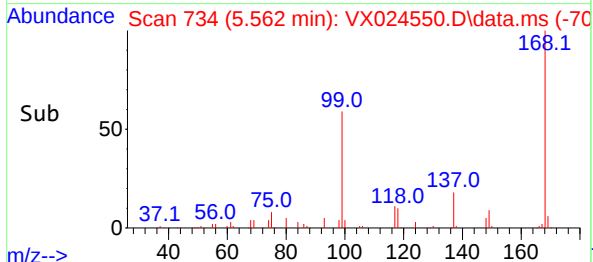
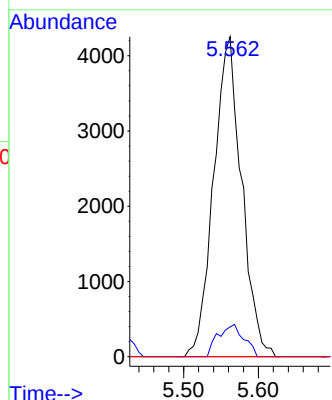
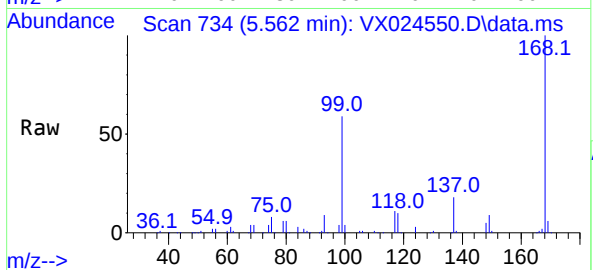




#36
1,1-Dichloropropene
Concen: 4.497 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

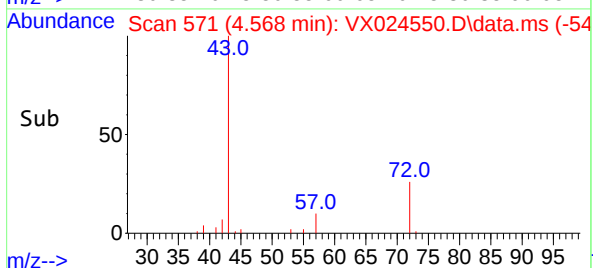
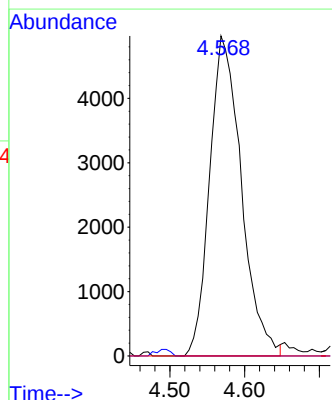
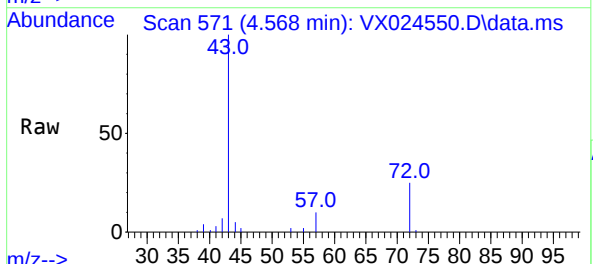
Instrument :
MSVOA_X
ClientSampled :
TP-1

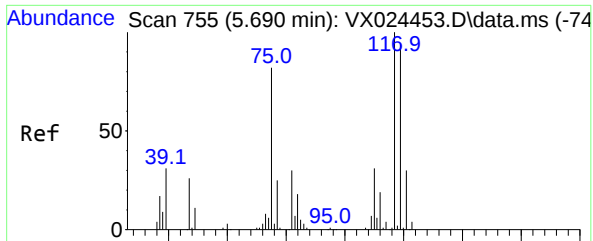
Tgt Ion: 75 Resp: 11043
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 4.769 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.159 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

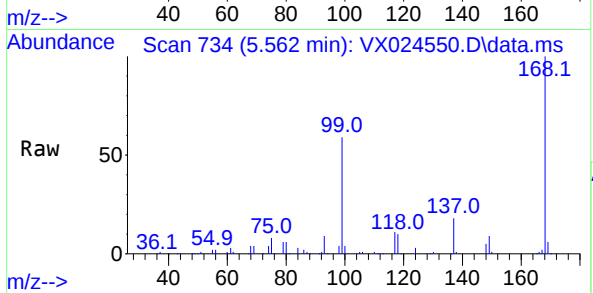
Tgt Ion: 43 Resp: 14620
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



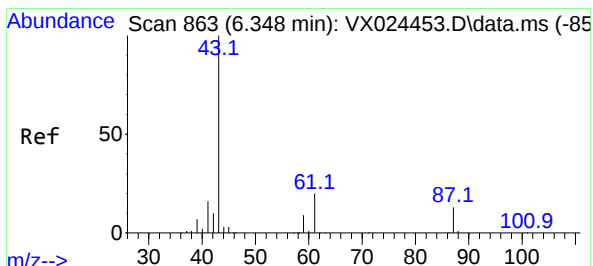
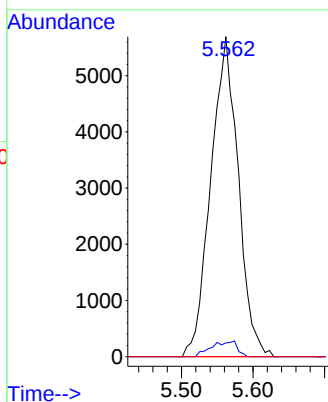
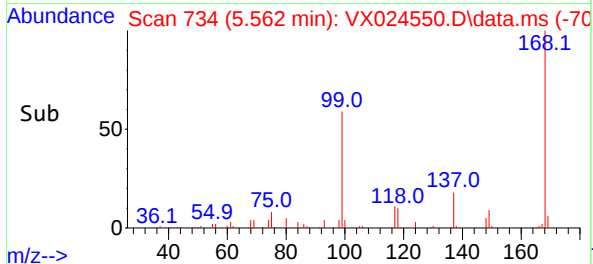


#38
Carbon Tetrachloride
Concen: 5.684 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

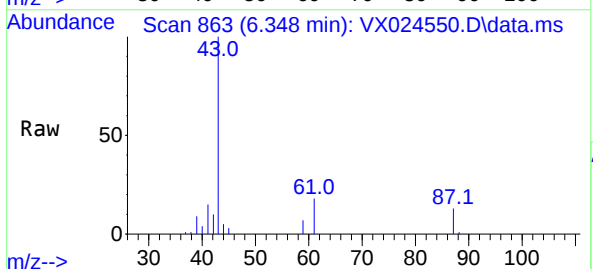
Instrument :
MSVOA_X
ClientSampleId :
TP-1



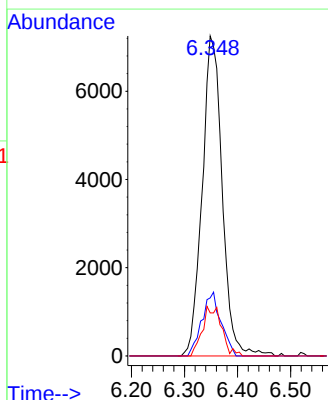
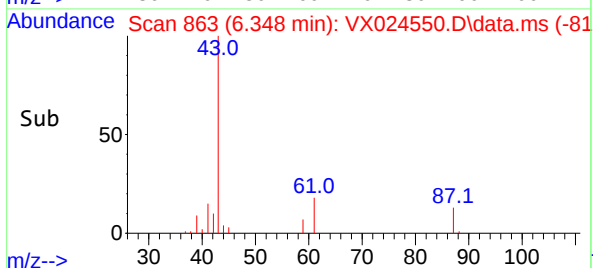
Tgt Ion:117 Resp: 15193
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.8 37.2#

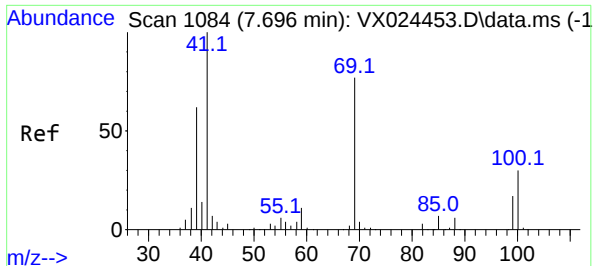


#43
Isopropyl Acetate
Concen: 4.081 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05



Tgt Ion: 43 Resp: 19019
Ion Ratio Lower Upper
43 100
61 19.0 18.2 27.4
87 14.8 12.5 18.7



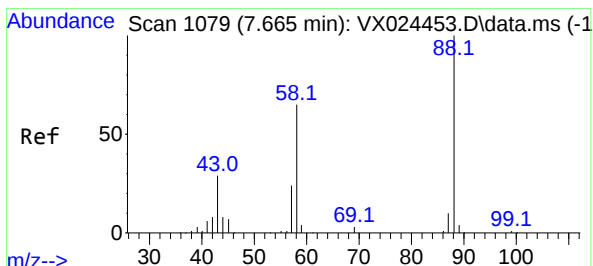
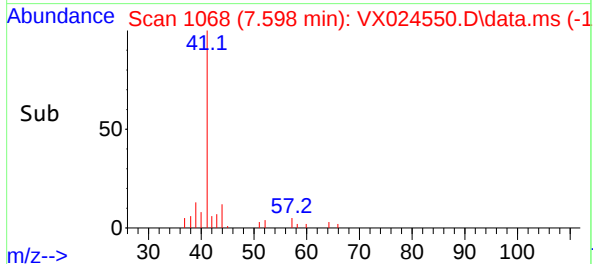
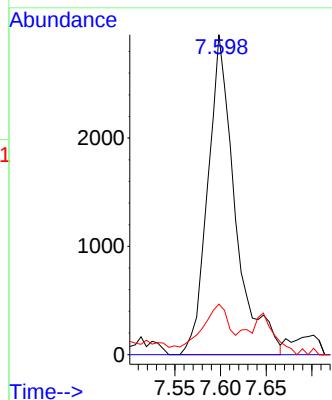
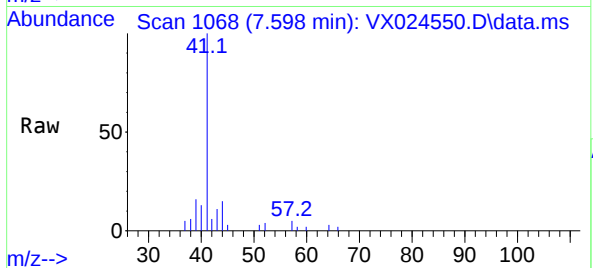


#48

Methyl methacrylate
Concen: 2.667 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

Instrument :
MSVOA_X
ClientSampled :
TP-1

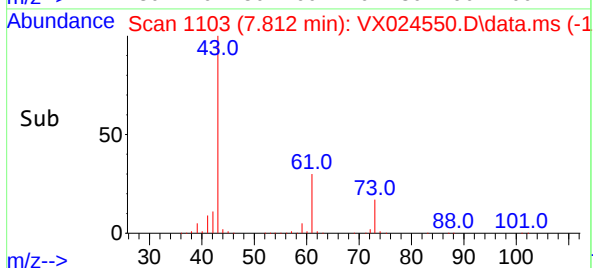
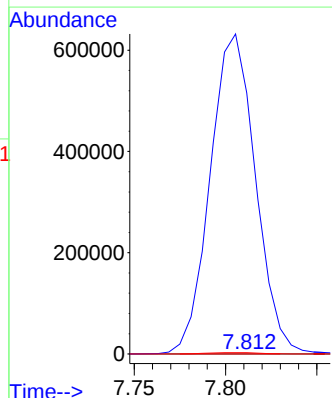
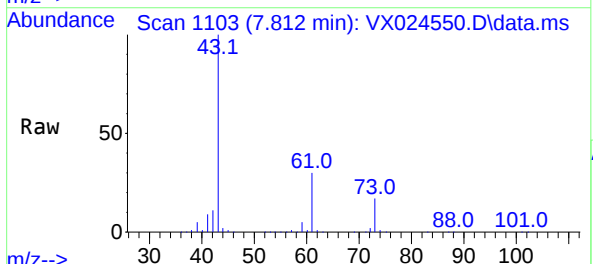
Tgt Ion: 41 Resp: 6155
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

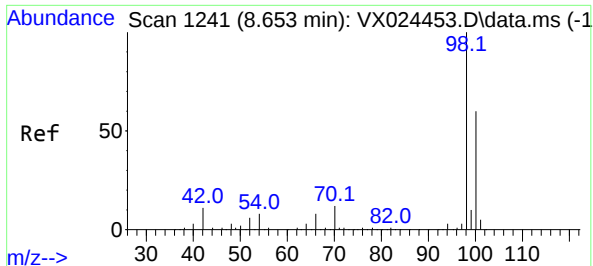


#49

1,4-Dioxane
Concen: 2.970 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

Tgt Ion: 88 Resp: 157
Ion Ratio Lower Upper
88 100
43 698498.7 23.2 34.8#
58 3282.2 55.0 82.4#

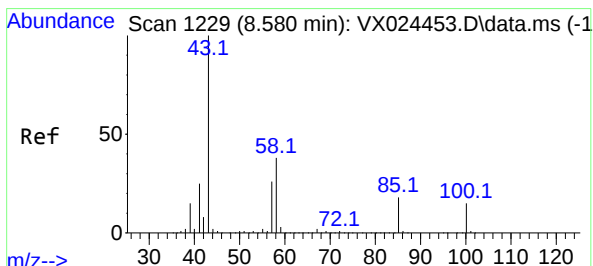
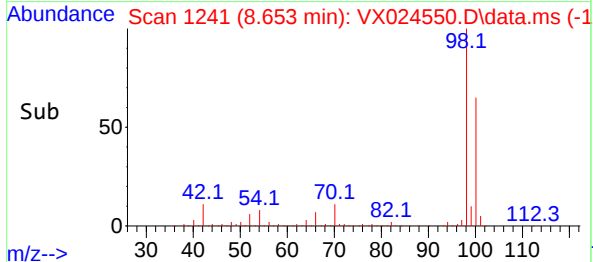
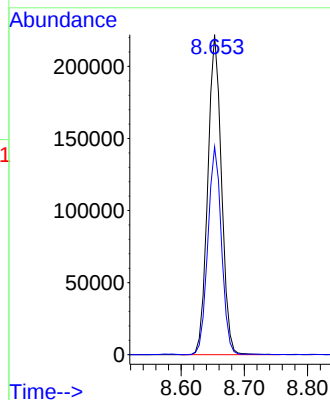
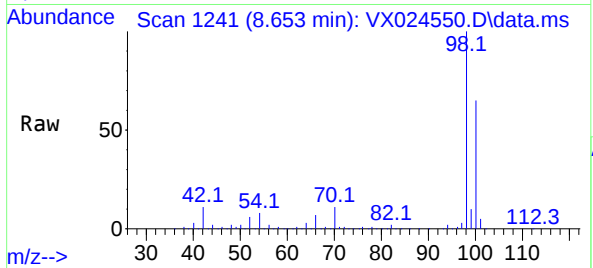




#50
Toluene-d8
Concen: 53.432 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

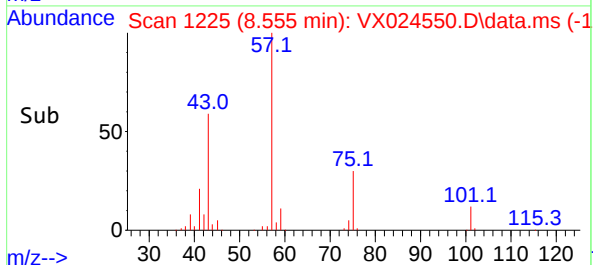
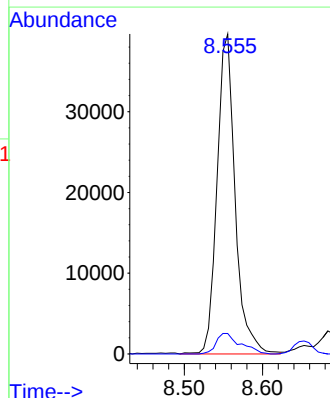
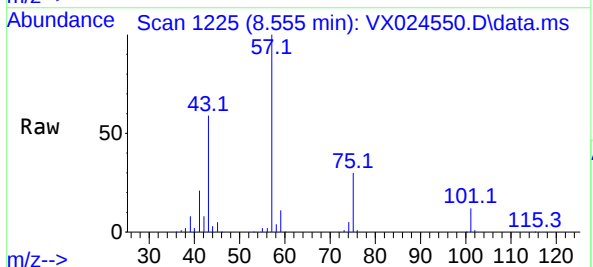
Instrument :
MSVOA_X
ClientSampled :
TP-1

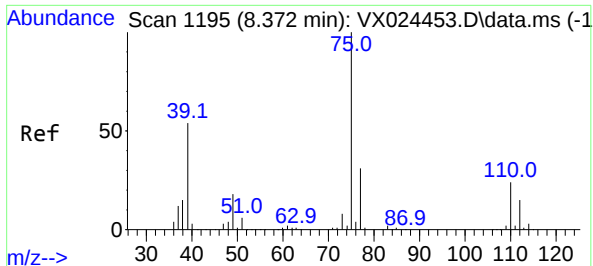
Tgt Ion: 98 Resp: 334649
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.694 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

Tgt Ion: 43 Resp: 63677
Ion Ratio Lower Upper
43 100
58 8.6 35.4 53.0#

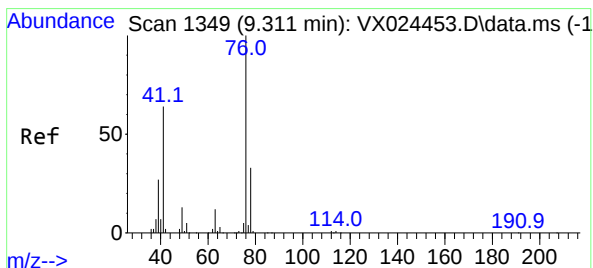
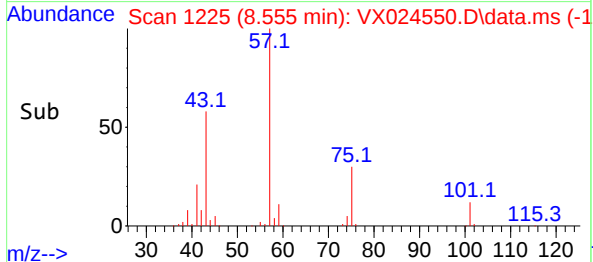
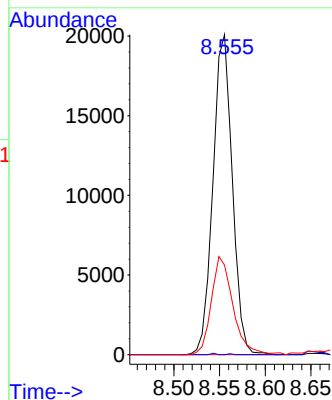
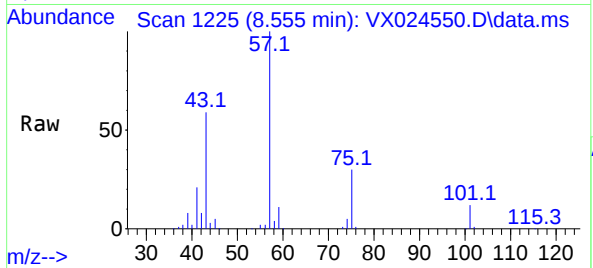




#54
cis-1,3-Dichloropropene
Concen: 10.292 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

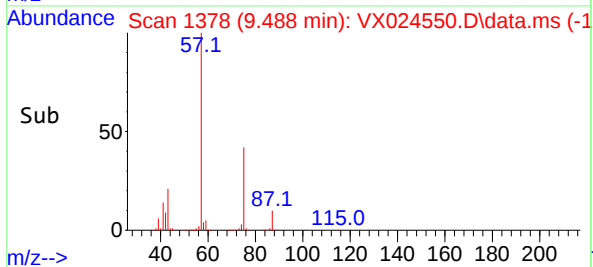
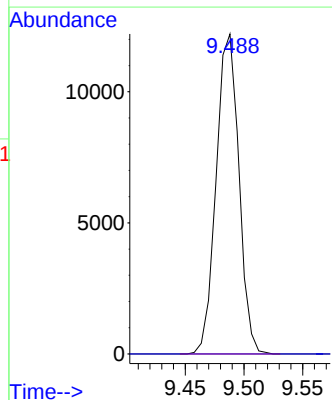
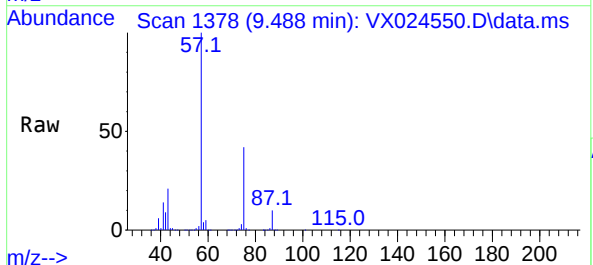
Instrument :
MSVOA_X
ClientSampled :
TP-1

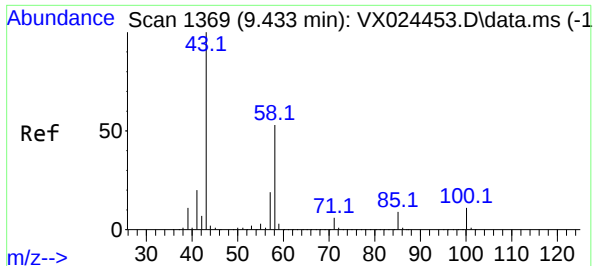
Tgt Ion: 75 Resp: 29531
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 28.0 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 5.190 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

Tgt Ion: 76 Resp: 16423
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

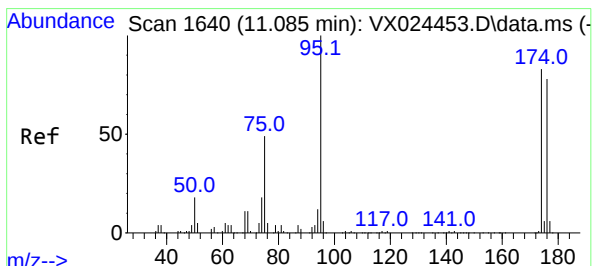
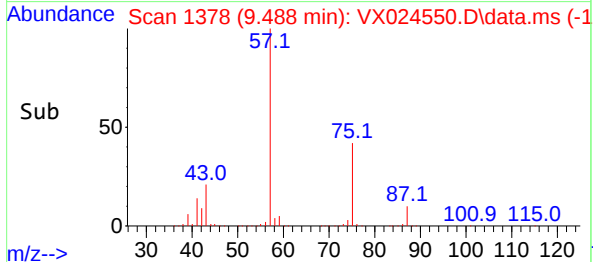
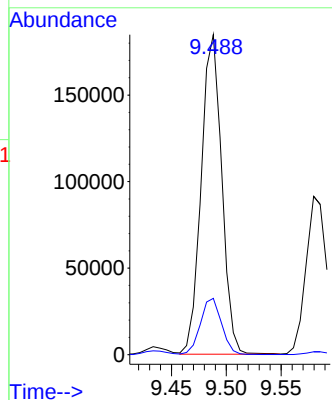
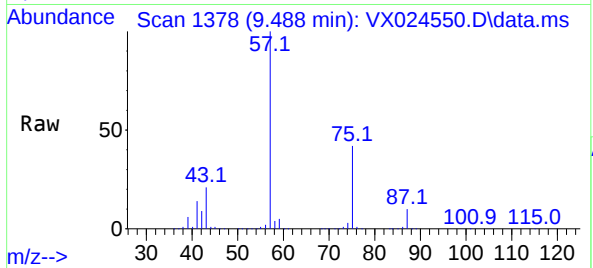




#59
2-Hexanone
Concen: 99.408 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

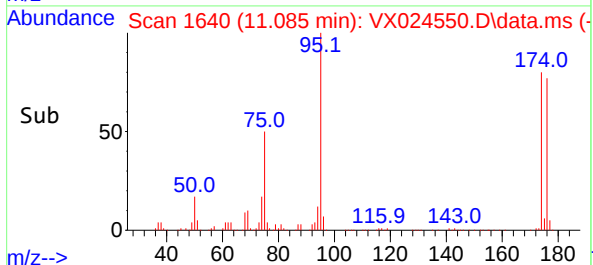
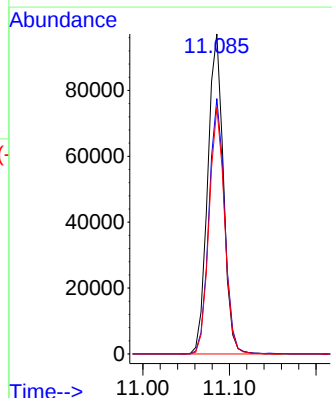
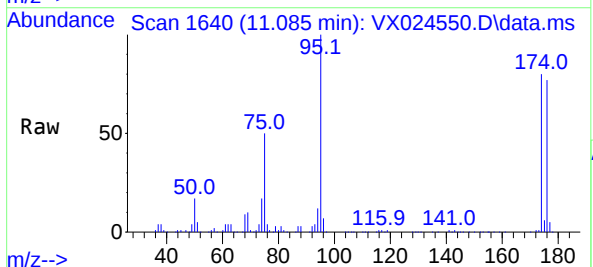
Instrument :
MSVOA_X
ClientSampled :
TP-1

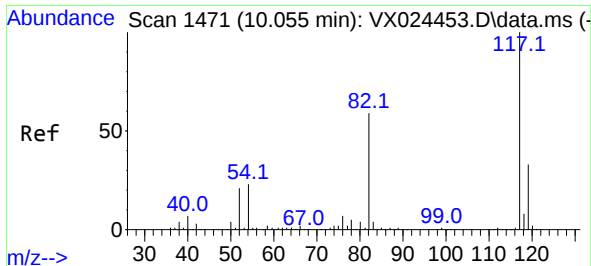
Tgt Ion: 43 Resp: 240888
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 49.524 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

Tgt Ion: 95 Resp: 121953
Ion Ratio Lower Upper
95 100
174 79.9 0.0 154.6
176 75.7 0.0 155.8

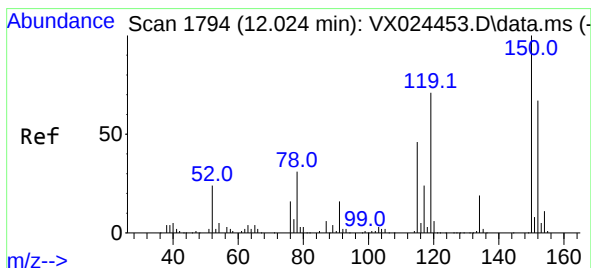
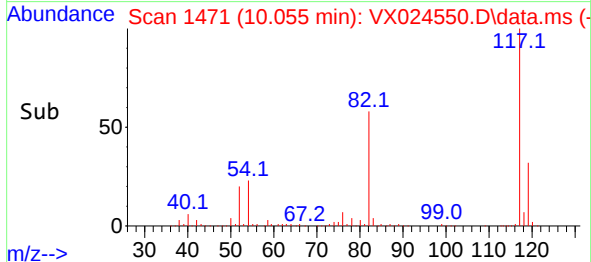
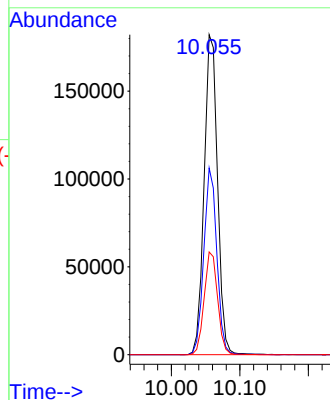
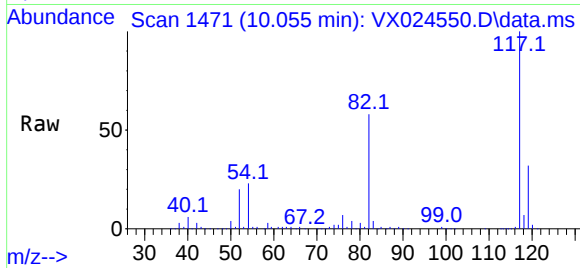




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

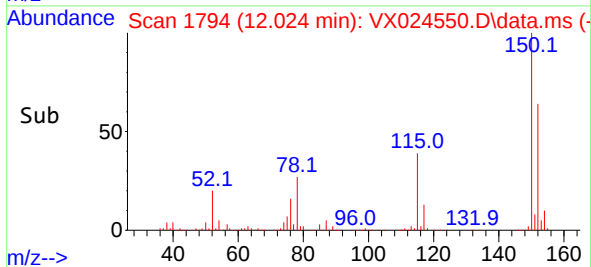
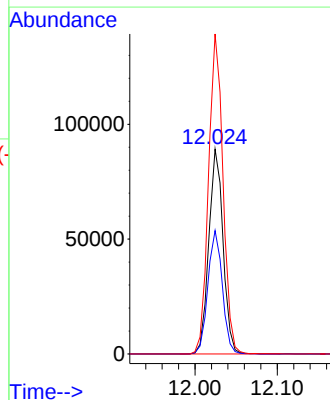
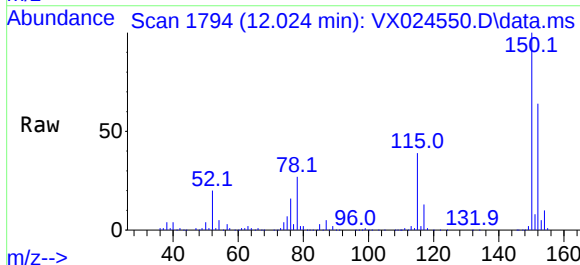
Instrument :
MSVOA_X
ClientSampled :
TP-1

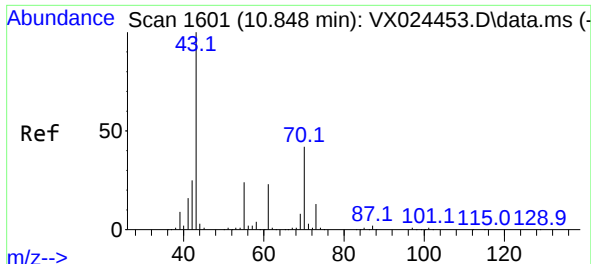
Tgt Ion:117 Resp: 248310
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

Tgt Ion:152 Resp: 107487
Ion Ratio Lower Upper
152 100
115 60.9 41.1 123.3
150 158.3 0.0 349.0

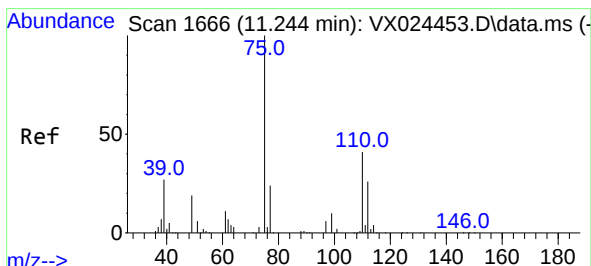
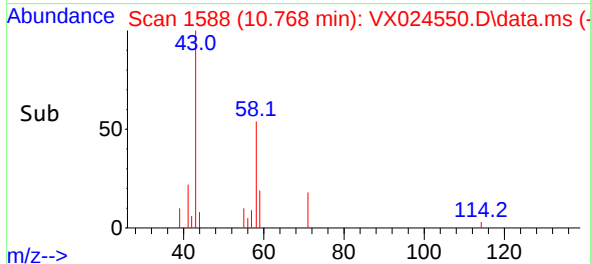
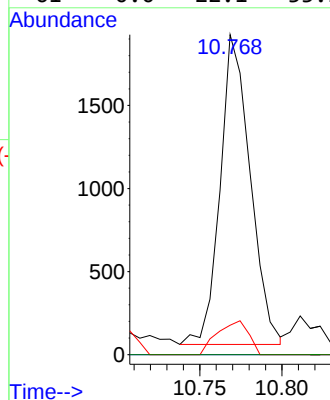
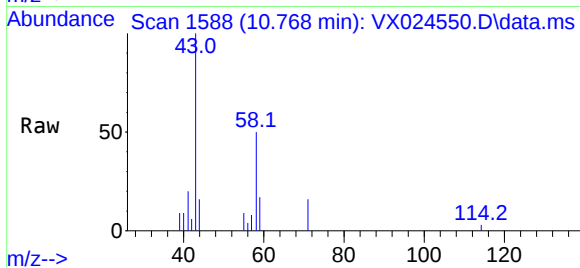




#74
N-amy1 acetate
Concen: 0.679 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

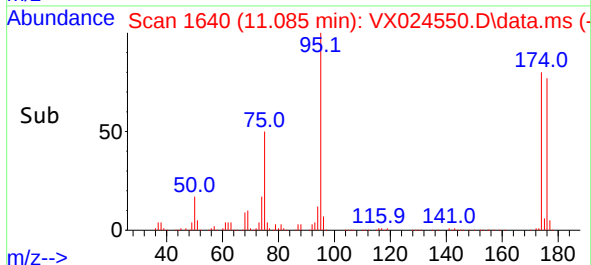
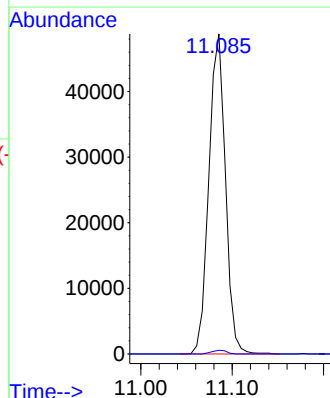
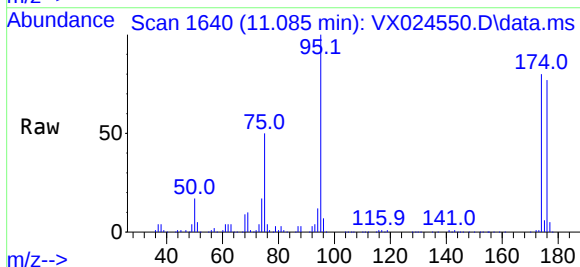
Instrument :
MSVOA_X
ClientSampled :
TP-1

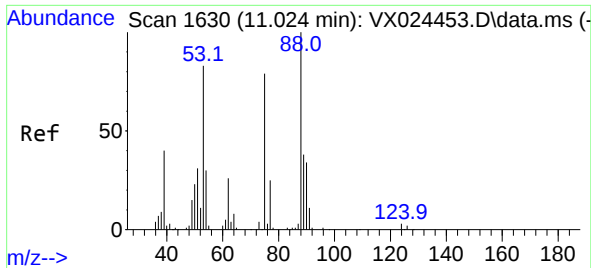
Tgt Ion:	43	Resp:	2373
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	11.3	21.5	32.3#
61	0.0	22.1	33.1#



#76
1,2,3-Trichloropropane
Concen: 25.176 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

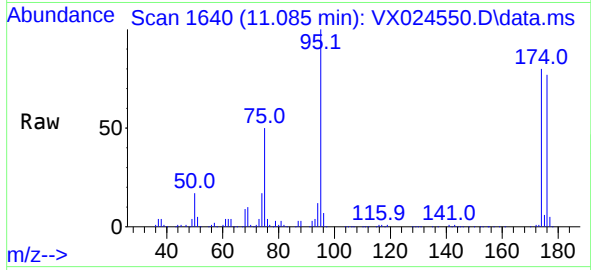
Tgt Ion:	75	Resp:	61453
Ion	Ratio	Lower	Upper
75	100		
77	1.0	19.1	57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.639 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024550.D
Acq: 05 Oct 2021 04:05

Instrument :
MSVOA_X
ClientSampleId :
TP-1



Tgt Ion: 75 Resp: 61453
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

