

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111722\
 Data File : VN075304.D
 Acq On : 17 Nov 2022 15:18
 Operator : JC\MD
 Sample : N5675-07 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1913

Quant Time: Nov 18 01:00:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

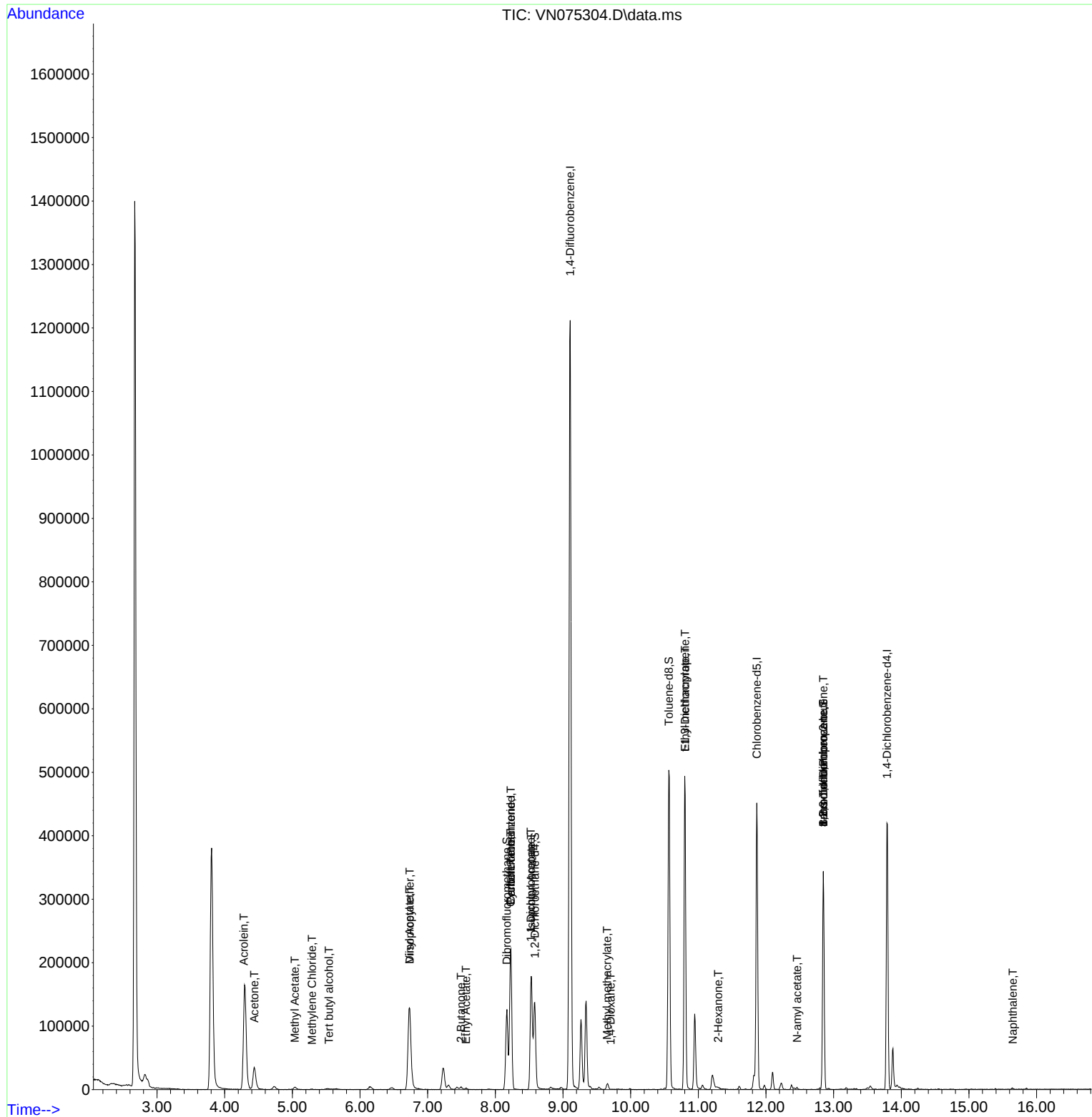
Internal Standards						
1) Pentafluorobenzene	8.230	168	167669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	310827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	269795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	105958	46.902	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.800%		
35) Dibromofluoromethane	8.171	113	89633	49.122	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.240%		
50) Toluene-d8	10.565	98	350476	49.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.020%		
62) 4-Bromofluorobenzene	12.847	95	116392	46.803	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.600%		
Target Compounds						Qvalue
5) Bromomethane	2.965	94	56	Below Cal	#	5
11) Tert butyl alcohol	5.542	59	1631	3.096	ug/l #	72
13) Acrolein	4.283	56	2189	5.080	ug/l #	1
16) Acetone	4.436	43	64740	67.679	ug/l	92
18) Methyl Acetate	5.036	43	8130	2.602	ug/l #	87
20) Methylene Chloride	5.289	84	602	0.282	ug/l #	54
22) Diisopropyl ether	6.736	45	10455	1.825	ug/l #	1
23) Vinyl Acetate	6.730	43	26972	5.638	ug/l #	67
25) 2-Butanone	7.494	43	6384	4.243	ug/l	92
31) Cyclohexane	8.224	56	3652	1.087	ug/l #	1
36) 1,1-Dichloropropene	8.524	75	617	0.218	ug/l #	41
37) Ethyl Acetate	7.565	43	3643	1.176	ug/l #	72
38) Carbon Tetrachloride	8.230	117	17768	5.718	ug/l #	15
43) Isopropyl Acetate	8.530	43	124910	25.993	ug/l #	53
48) Methyl methacrylate	9.653	41	2024	0.918	ug/l #	36
49) 1,4-Dioxane	9.706	88	54	0.935	ug/l #	28
53) t-1,3-Dichloropropene	10.806	75	1019	0.311	ug/l #	43
56) Ethyl methacrylate	10.806	69	1334	0.381	ug/l #	1
59) 2-Hexanone	11.294	43	1040	0.442	ug/l	63
71) Bromoform	12.847	173	1022	0.639	ug/l #	1
74) N-amyl acetate	12.459	43	3103	0.856	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	12.794	83	1163	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.847	75	59973	23.133	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59973	59.383	ug/l #	10
95) Naphthalene	15.647	128	2620	0.377	ug/l #	86

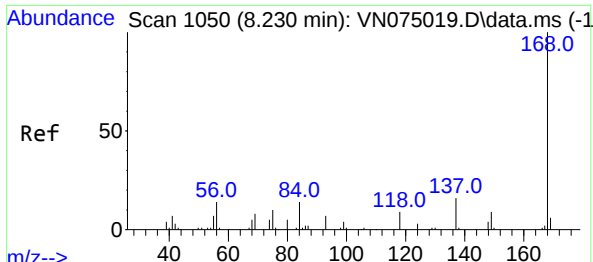
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 27 09:48:49 2022
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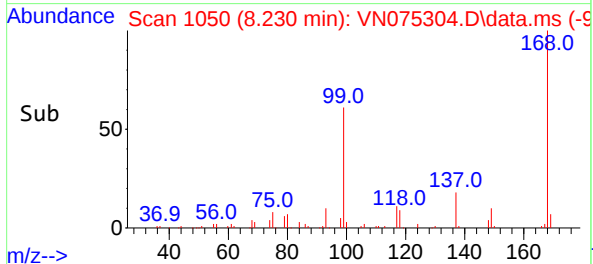
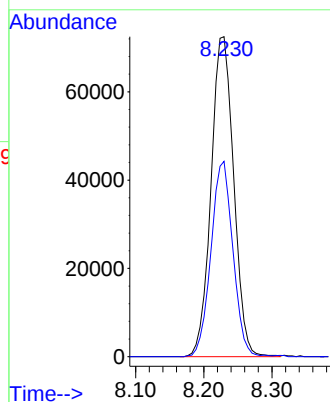
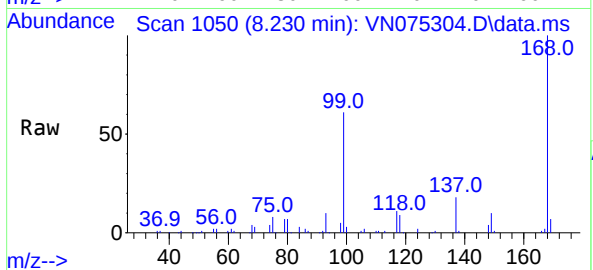




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

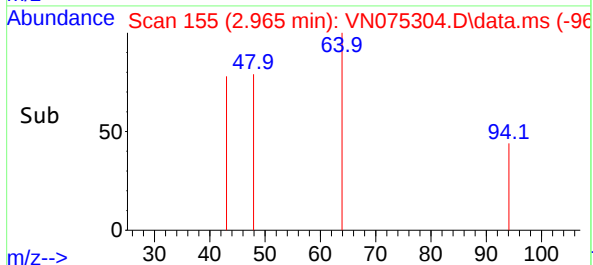
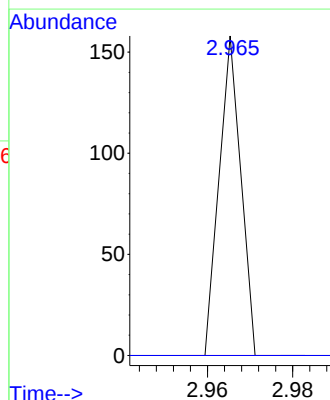
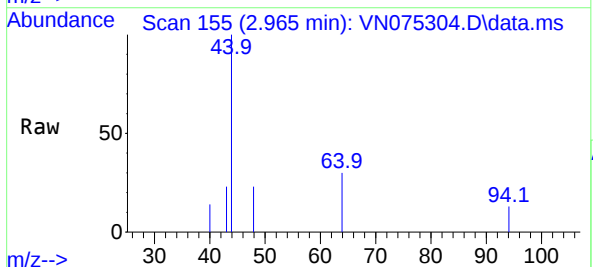
Instrument :
MSVOA_N
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AUD-1913

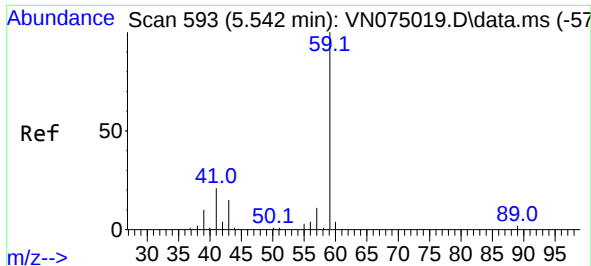
Tgt Ion:168 Resp: 167669
Ion Ratio Lower Upper
168 100
99 61.1 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 155
Delta R.T. 0.047 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Tgt Ion: 94 Resp: 56
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

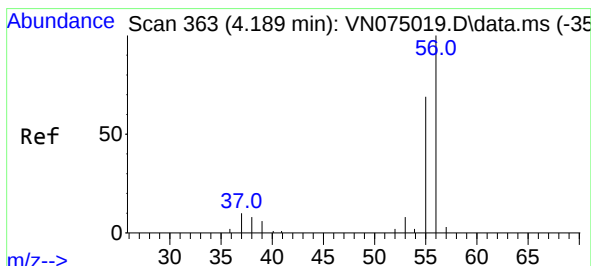
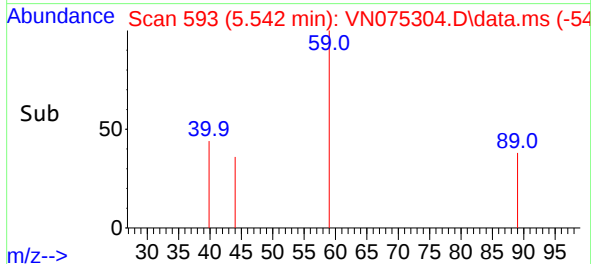
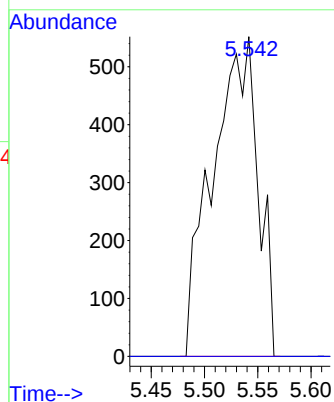
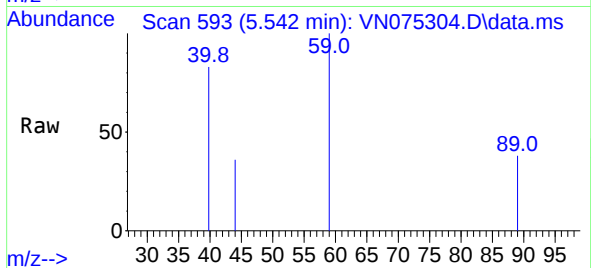




#11
Tert butyl alcohol
Concen: 3.096 ug/l
RT: 5.542 min Scan# 591
Delta R.T. -0.000 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

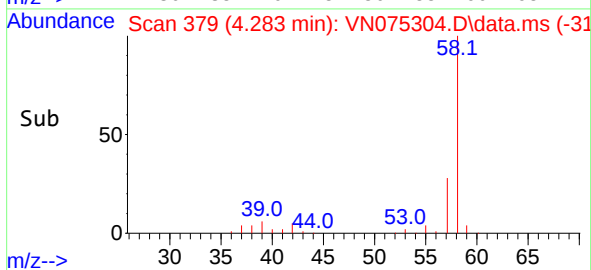
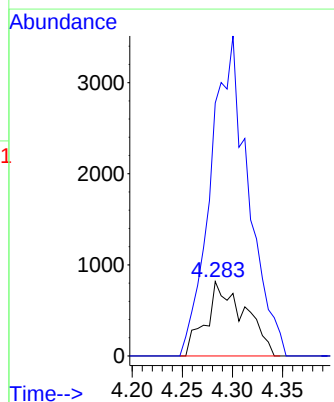
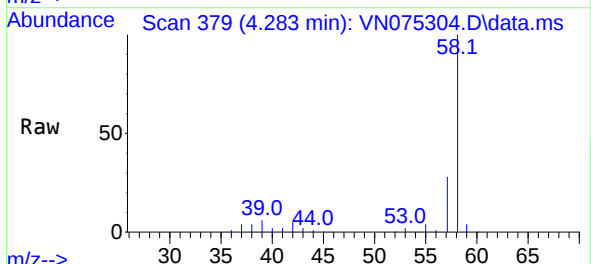
Instrument :
MSVOA_N
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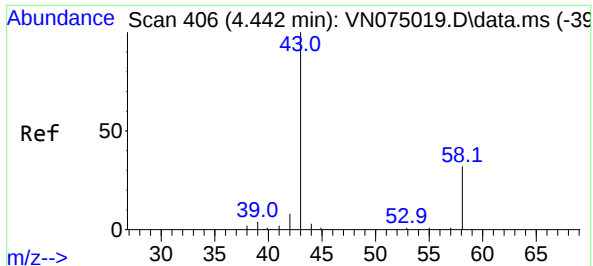
Tgt Ion: 59 Resp: 1631
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 5.080 ug/l
RT: 4.283 min Scan# 379
Delta R.T. 0.094 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Tgt Ion: 56 Resp: 2189
Ion Ratio Lower Upper
56 100
55 420.4 55.2 82.8#

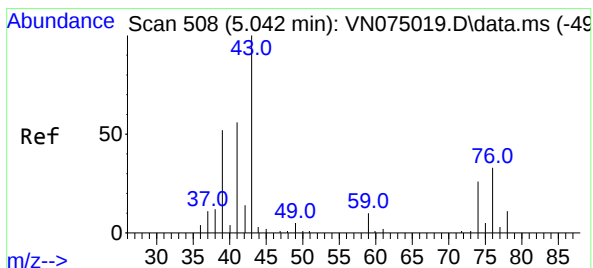
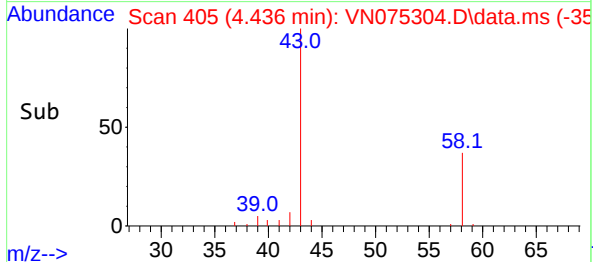
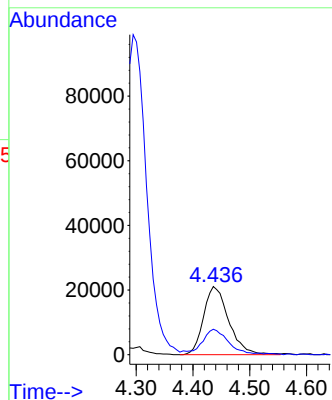
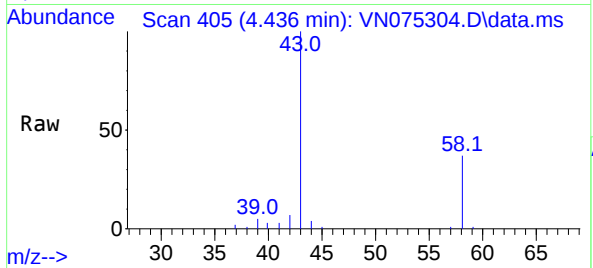




#16
Acetone
Concen: 67.679 ug/l
RT: 4.436 min Scan# 406
Delta R.T. -0.006 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

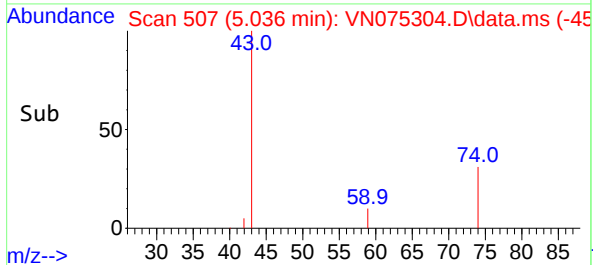
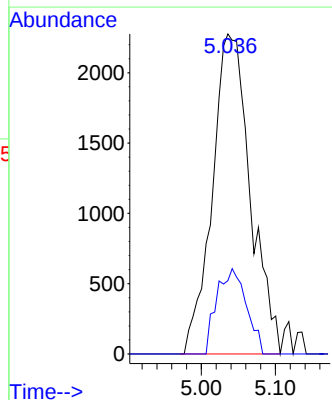
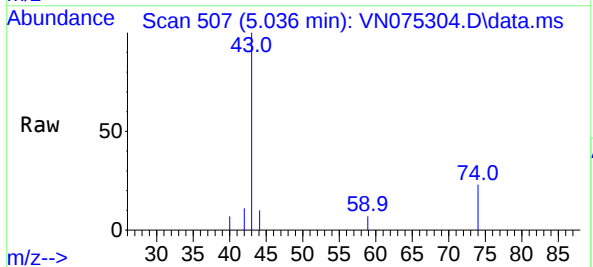
Instrument :
MSVOA_N
ClientSampleId :
AUD-1913

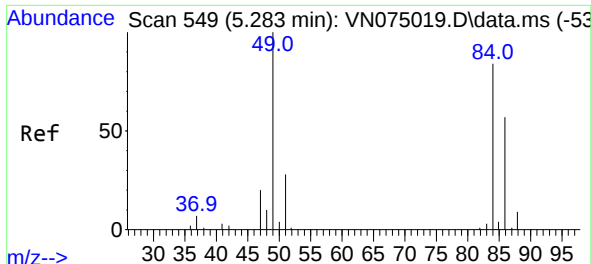
Tgt Ion: 43 Resp: 64740
Ion Ratio Lower Upper
43 100
58 36.3 25.5 38.3



#18
Methyl Acetate
Concen: 2.602 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.006 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Tgt Ion: 43 Resp: 8130
Ion Ratio Lower Upper
43 100
74 20.6 22.0 33.0#



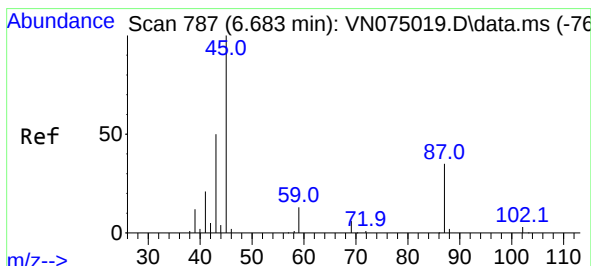
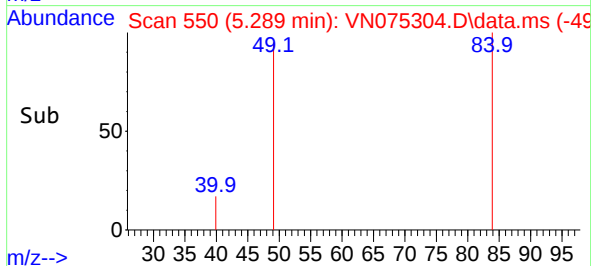
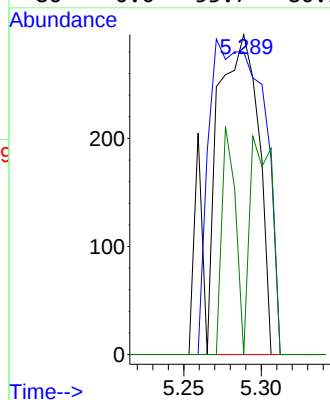
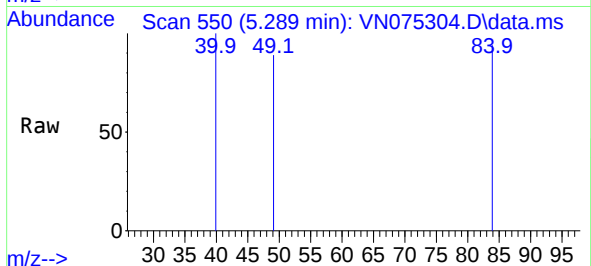


#20
Methylene Chloride
Concen: 0.282 ug/l
RT: 5.289 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Instrument :
MSVOA_N
ClientSampleId :
AUD-1913

Tgt Ion: 84 Resp: 602

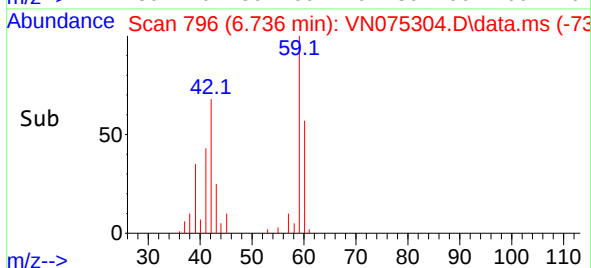
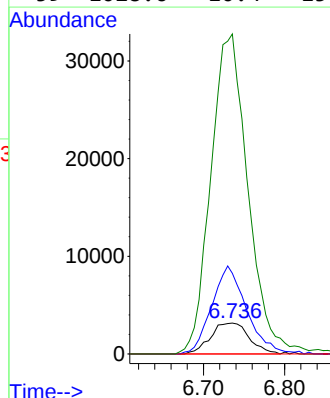
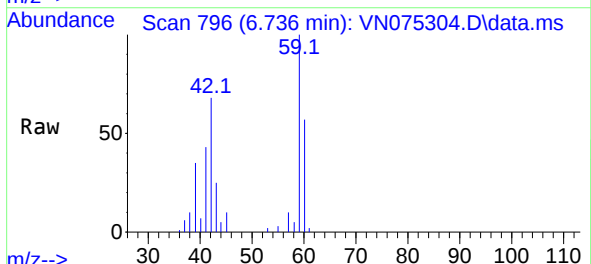
Ion	Ratio	Lower	Upper
84	100		
49	94.6	94.9	142.3#
51	0.0	26.8	40.2#
86	0.0	53.7	80.5#

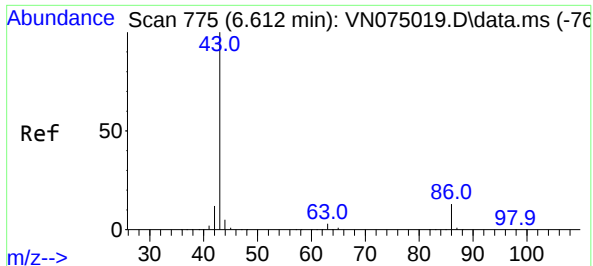


#22
Diisopropyl ether
Concen: 1.825 ug/l
RT: 6.736 min Scan# 796
Delta R.T. 0.053 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Tgt Ion: 45 Resp: 10455

Ion	Ratio	Lower	Upper
45	100		
43	260.9	42.8	64.2#
87	0.0	28.4	42.6#
59	1028.6	10.4	15.6#

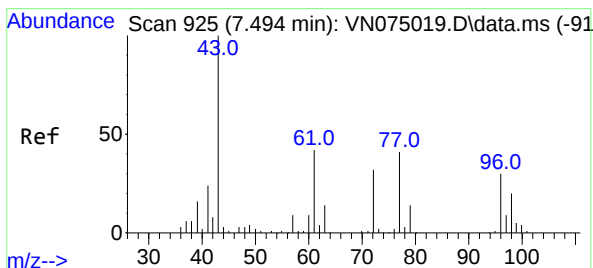
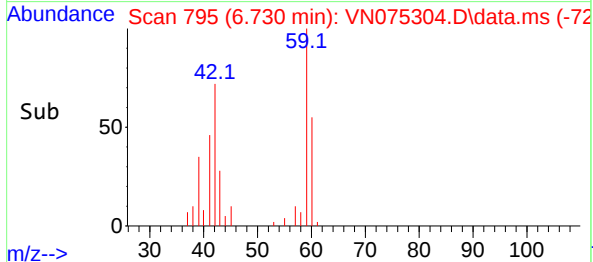
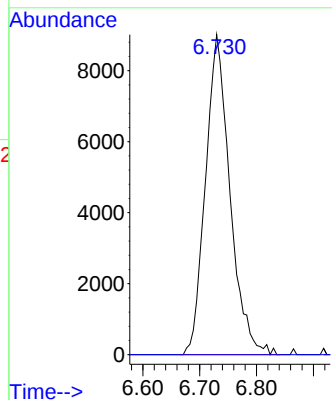
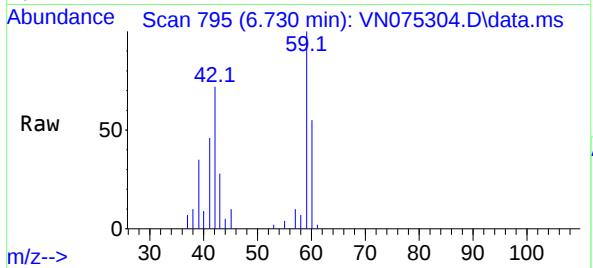




#23
 Vinyl Acetate
 Concen: 5.638 ug/l
 RT: 6.730 min Scan# 795
 Delta R.T. 0.118 min
 Lab File: VN075304.D
 Acq: 17 Nov 2022 15:18

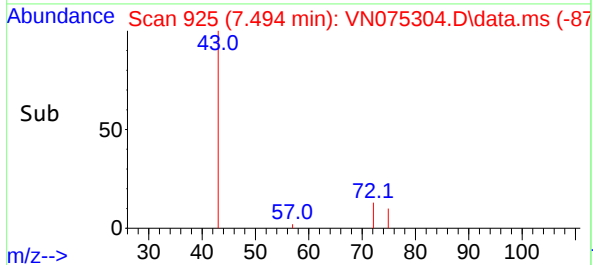
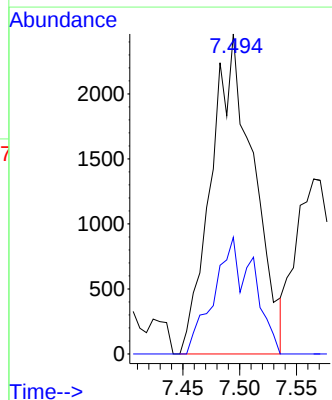
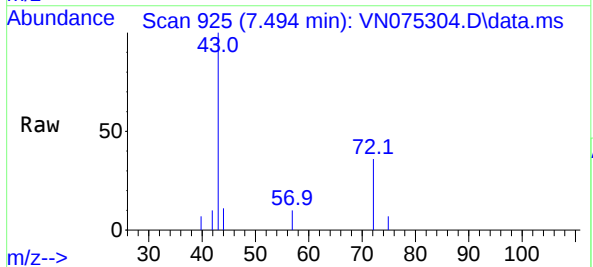
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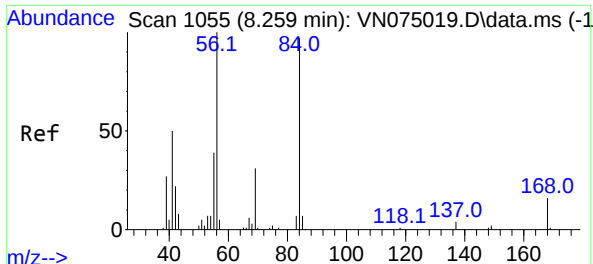
Tgt Ion: 43 Resp: 26972
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.7 16.1#



#25
 2-Butanone
 Concen: 4.243 ug/l
 RT: 7.494 min Scan# 925
 Delta R.T. 0.000 min
 Lab File: VN075304.D
 Acq: 17 Nov 2022 15:18

Tgt Ion: 43 Resp: 6384
 Ion Ratio Lower Upper
 43 100
 72 36.4 25.5 38.3

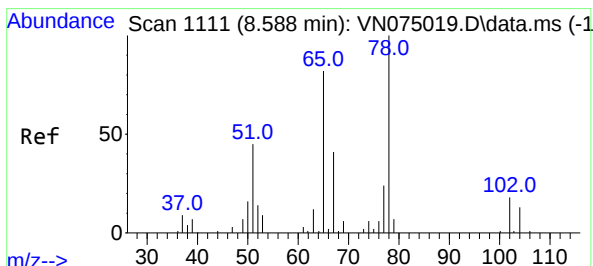
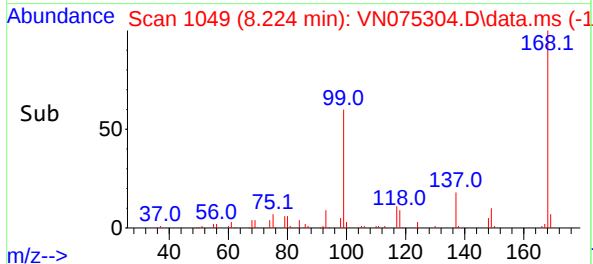
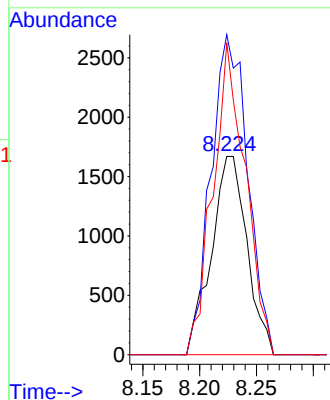
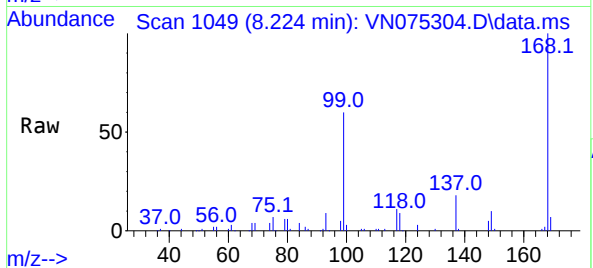




#31
Cyclohexane
Concen: 1.087 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

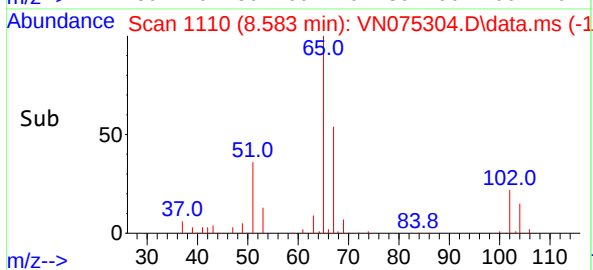
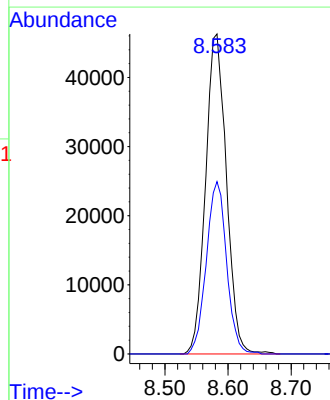
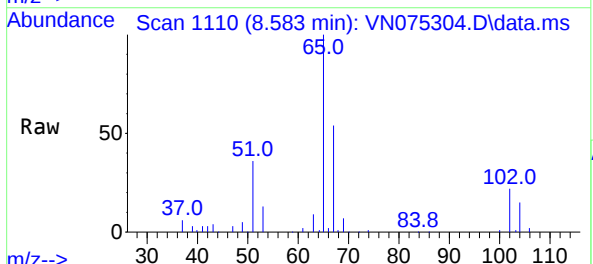
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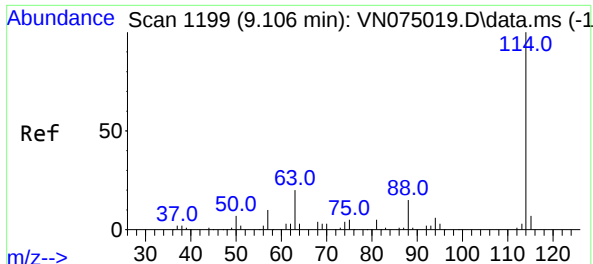
Tgt Ion: 56 Resp: 3652
Ion Ratio Lower Upper
56 100
69 161.4 25.2 37.8#
84 157.4 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 46.902 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Tgt Ion: 65 Resp: 105958
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.0

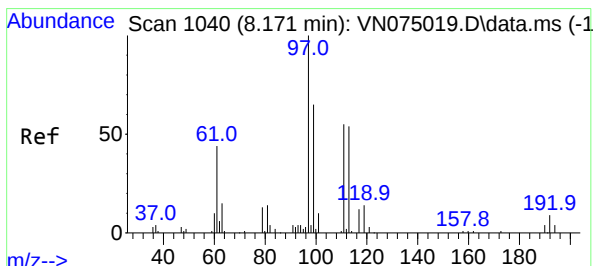
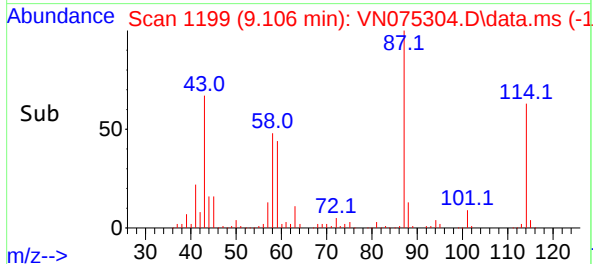
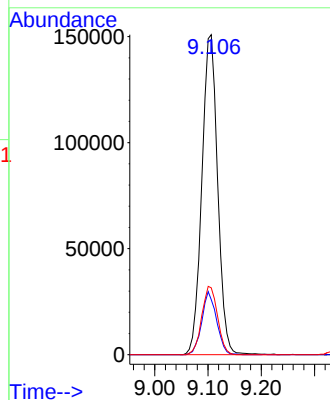
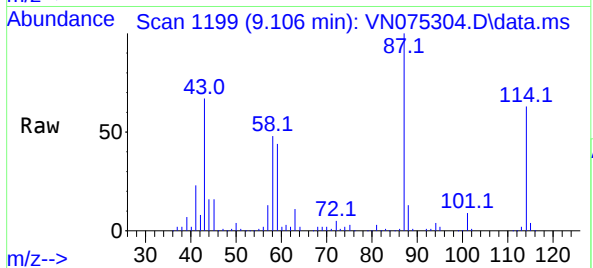




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

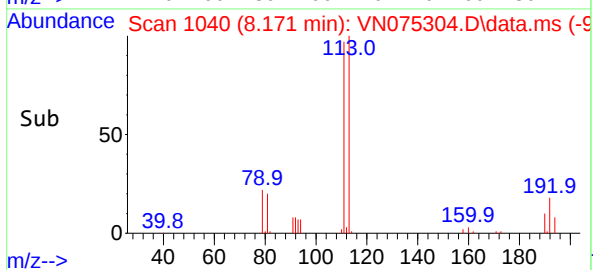
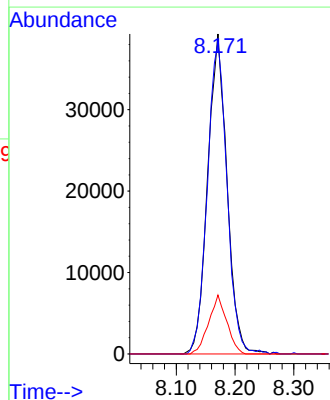
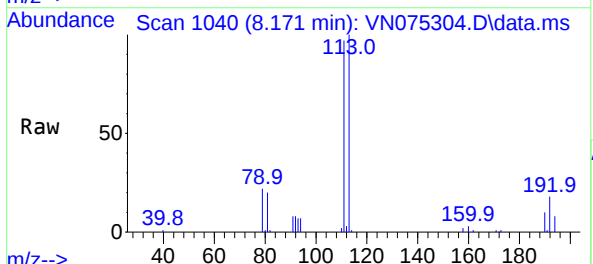
Instrument :
MSVOA_N
ClientSampleId :
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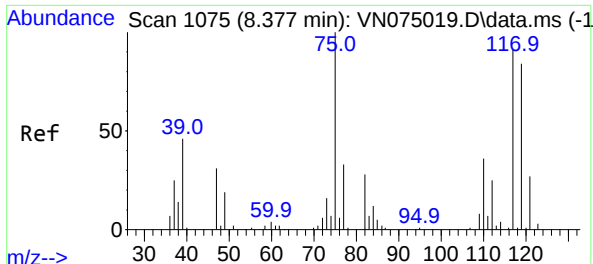
Tgt Ion:114 Resp: 310827
Ion Ratio Lower Upper
114 100
63 17.2 0.0 39.6
88 20.9 0.0 29.0



#35
Dibromofluoromethane
Concen: 49.122 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Tgt Ion:113 Resp: 89633
Ion Ratio Lower Upper
113 100
111 99.4 80.5 120.7
192 17.2 13.2 19.8

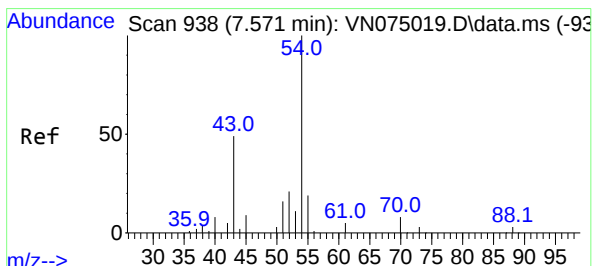
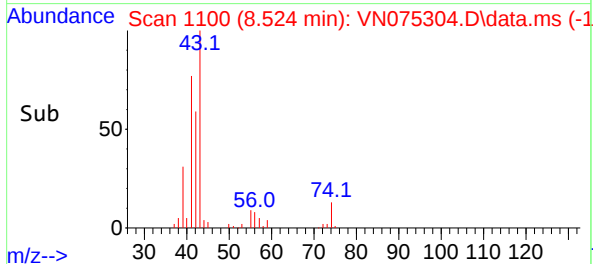
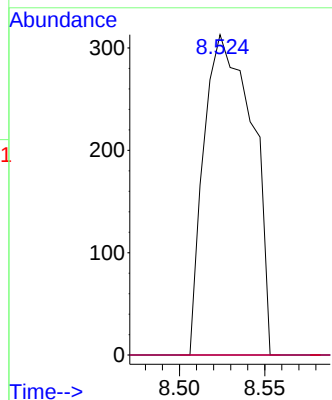
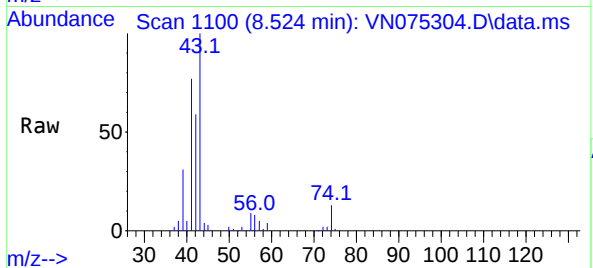




#36
1,1-Dichloropropene
Concen: 0.218 ug/l
RT: 8.524 min Scan# 1100
Delta R.T. 0.147 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

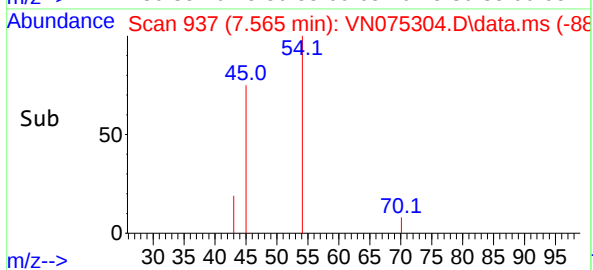
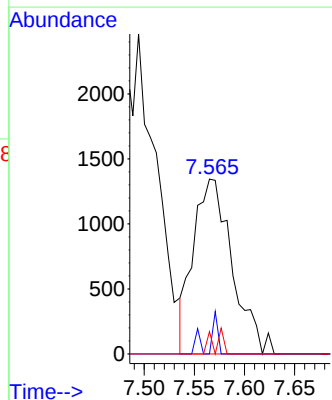
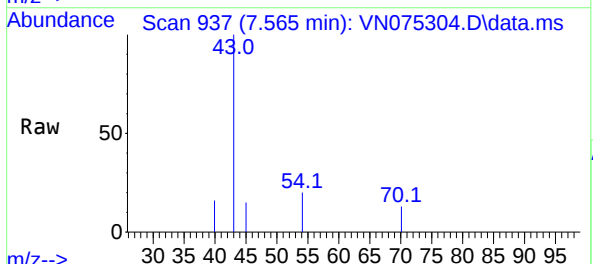
Instrument :
MSVOA_N
ClientSampleId :
AUD-1913

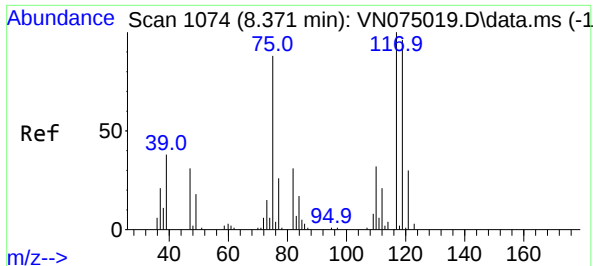
Tgt Ion: 75 Resp: 617
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.176 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

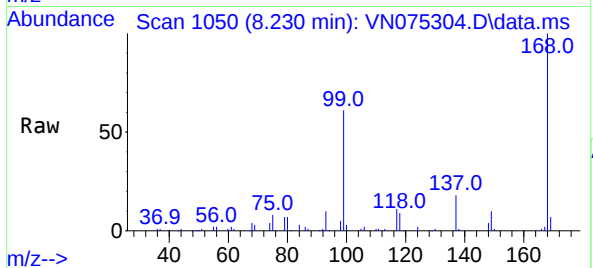
Tgt Ion: 43 Resp: 3643
Ion Ratio Lower Upper
43 100
61 3.2 12.2 18.4#
70 1.7 9.4 14.2#



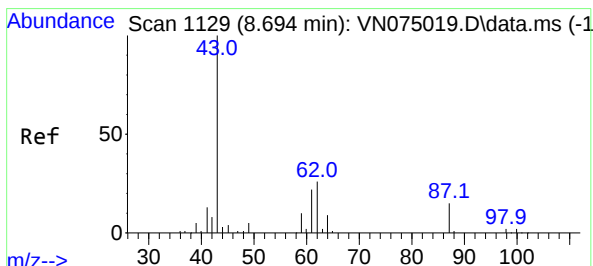
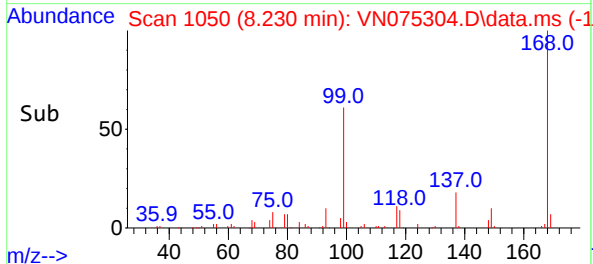
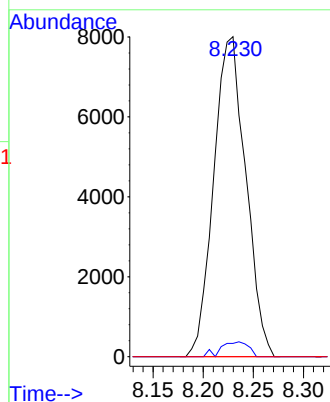


#38
Carbon Tetrachloride
Concen: 5.718 ug/l
RT: 8.230 min Scan# 1101
Delta R.T. -0.141 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Instrument :
MSVOA_N
ClientSampleId :
AUD-1913

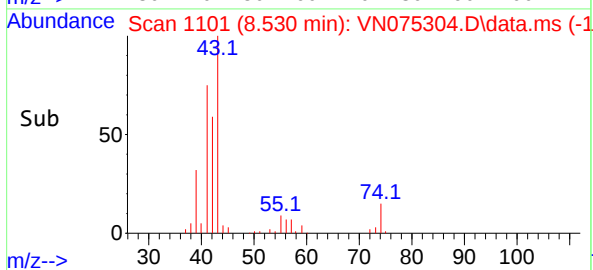
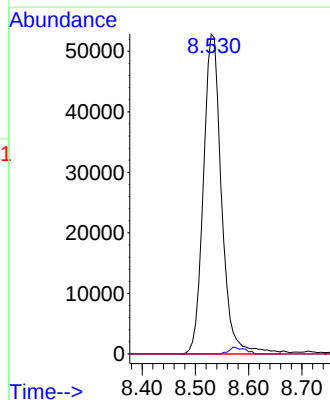
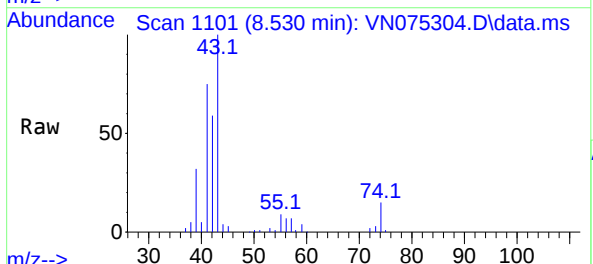


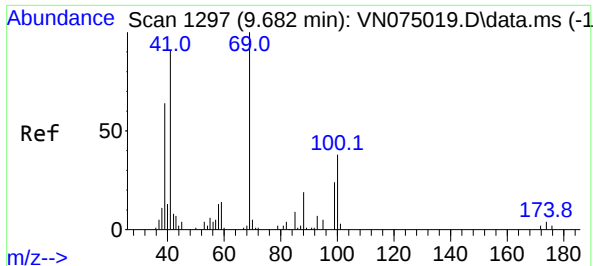
Tgt Ion:117 Resp: 17768
Ion Ratio Lower Upper
117 100
119 4.2 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 25.993 ug/l
RT: 8.530 min Scan# 1101
Delta R.T. -0.164 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Tgt Ion: 43 Resp: 124910
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#

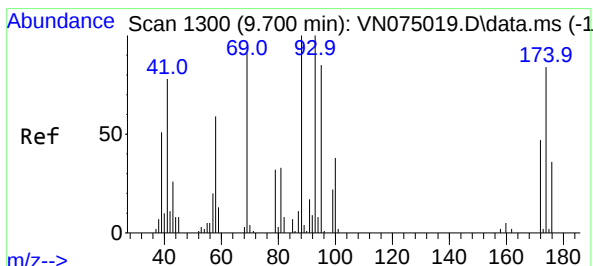
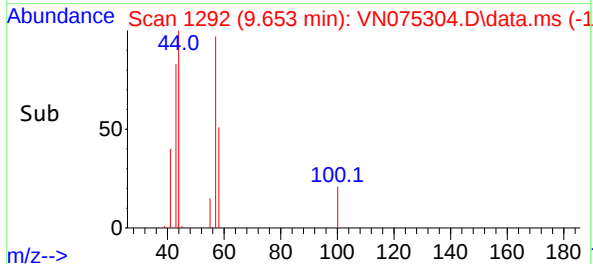
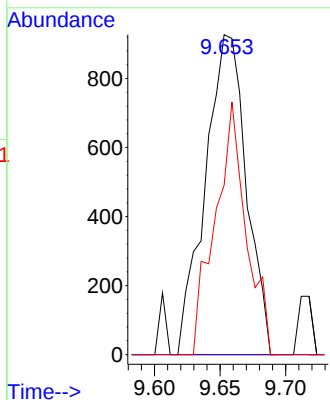
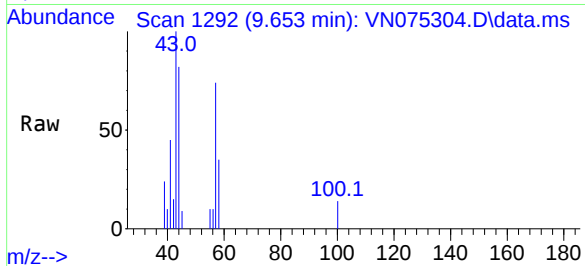




#48
Methyl methacrylate
Concen: 0.918 ug/l
RT: 9.653 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

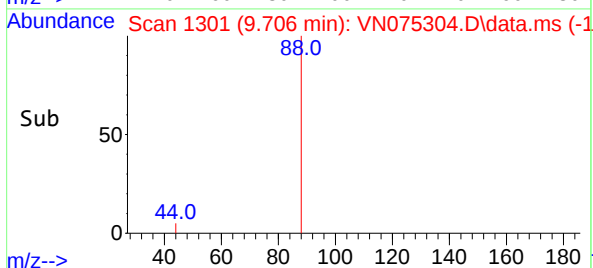
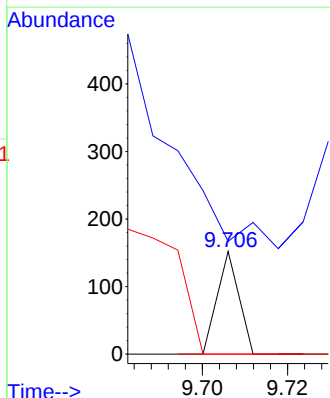
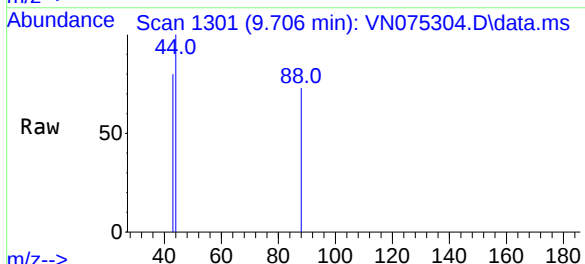
Instrument :
MSVOA_N
ClientSampleId :
AUD-1913

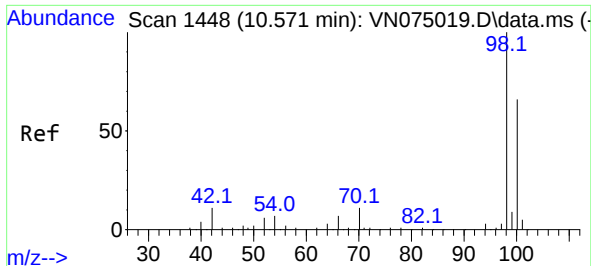
Tgt Ion: 41 Resp: 2024
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 59.6 56.2 84.2



#49
1,4-Dioxane
Concen: 0.935 ug/l
RT: 9.706 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 17.5 26.3#
58 0.0 49.8 74.8#

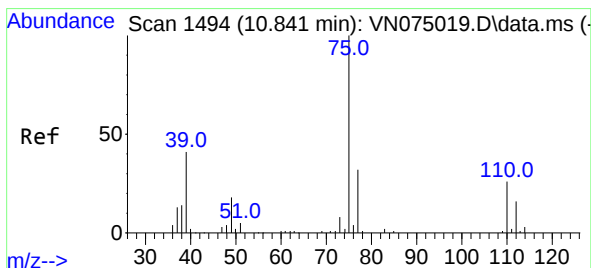
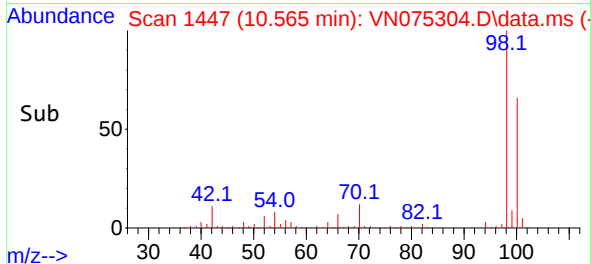
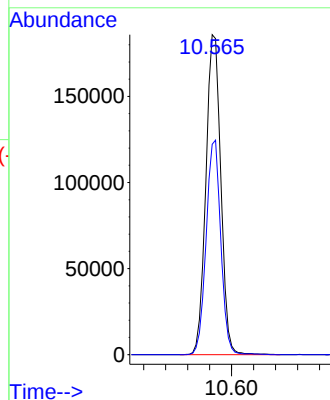
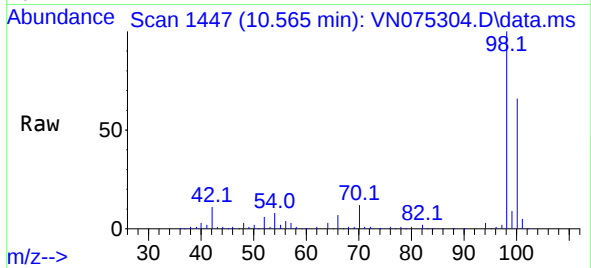




#50
Toluene-d8
Concen: 49.507 ug/l
RT: 10.565 min Scan# 1448
Delta R.T. -0.006 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

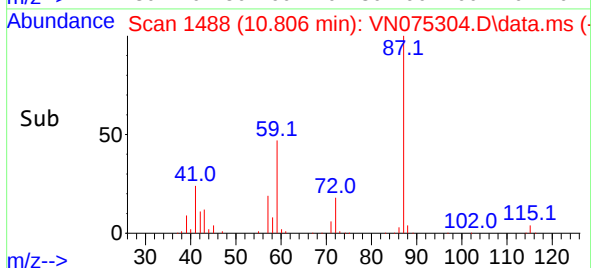
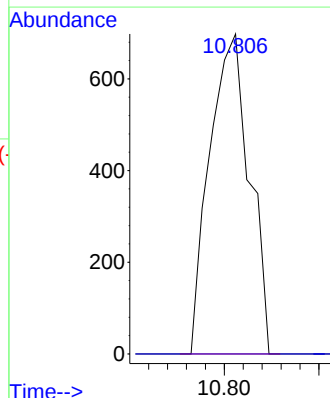
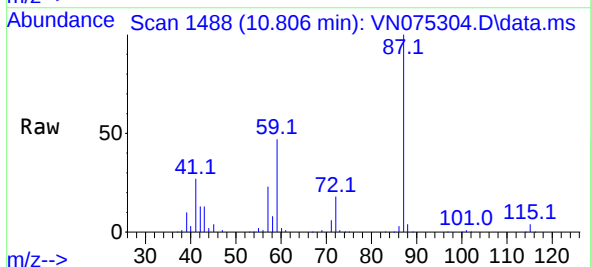
Instrument :
MSVOA_N
ClientSampleId :
AUD-1913

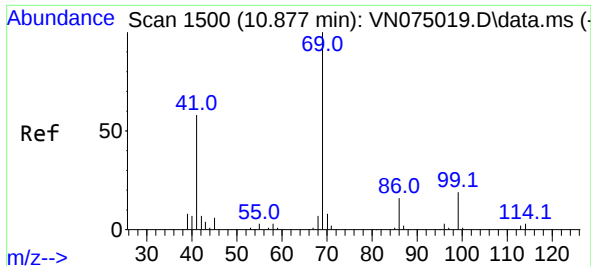
Tgt Ion: 98 Resp: 350476
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.6



#53
t-1,3-Dichloropropene
Concen: 0.311 ug/l
RT: 10.806 min Scan# 1488
Delta R.T. -0.035 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Tgt Ion: 75 Resp: 1019
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

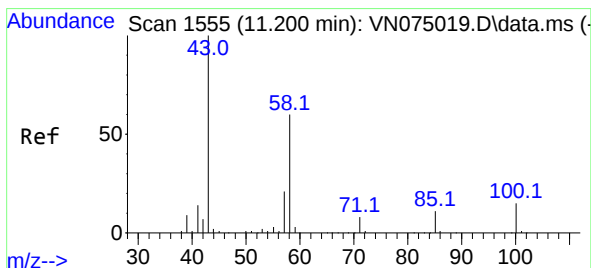
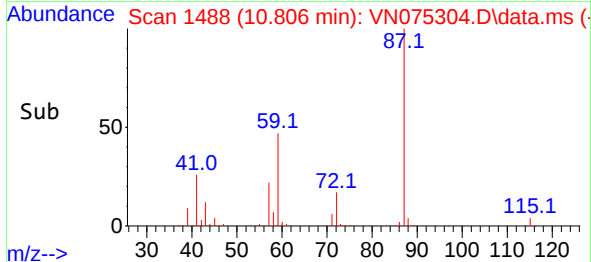
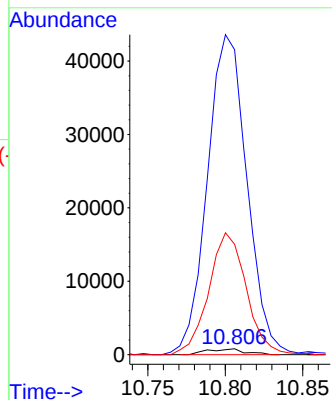
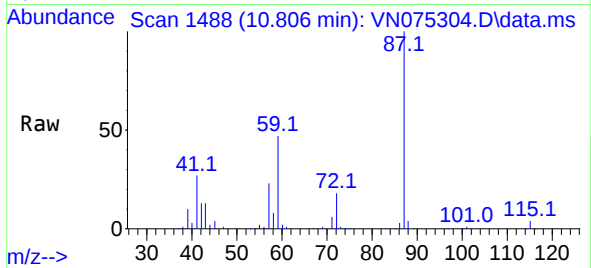




#56
Ethyl methacrylate
Concen: 0.381 ug/l
RT: 10.806 min Scan# 14
Delta R.T. -0.071 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

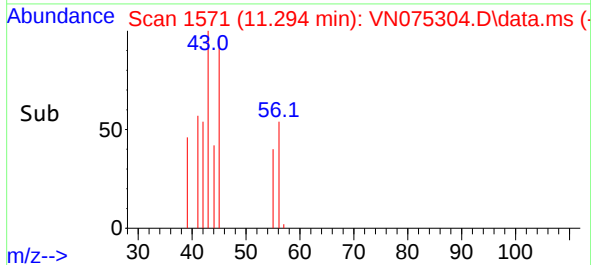
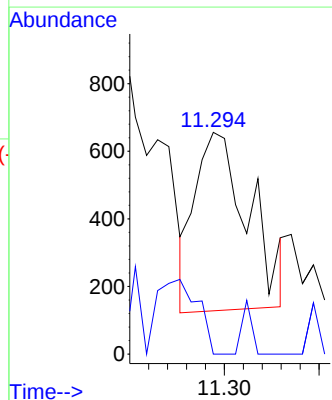
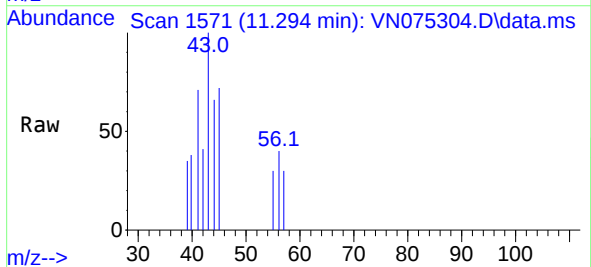
Instrument :
MSVOA_N
ClientSampleId :
AUD-1913

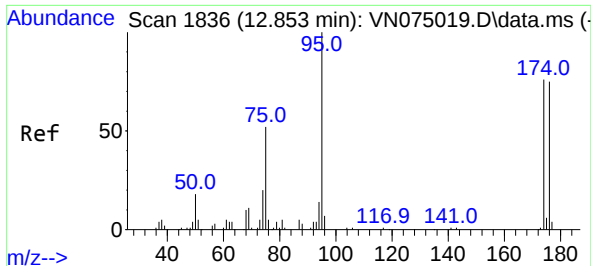
Tgt Ion: 69 Resp: 1334
Ion Ratio Lower Upper
69 100
41 5834.1 45.6 68.4#
39 2102.9 28.5 42.7#



#59
2-Hexanone
Concen: 0.442 ug/l
RT: 11.294 min Scan# 1571
Delta R.T. 0.094 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
58 31.5 29.6 88.8

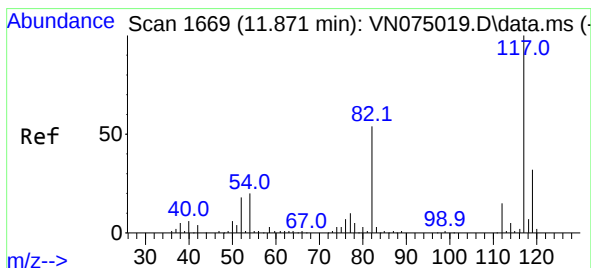
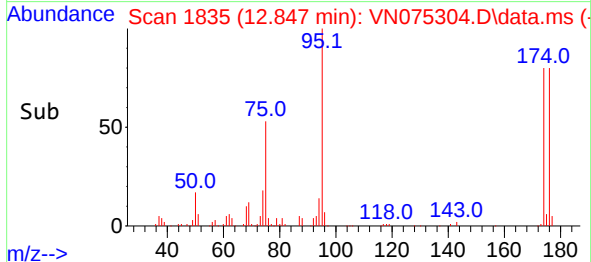
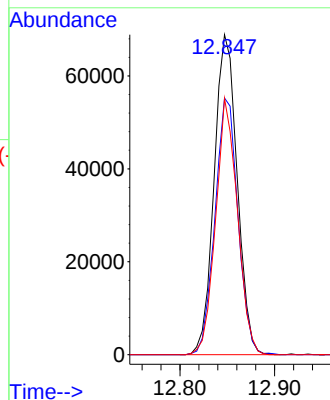
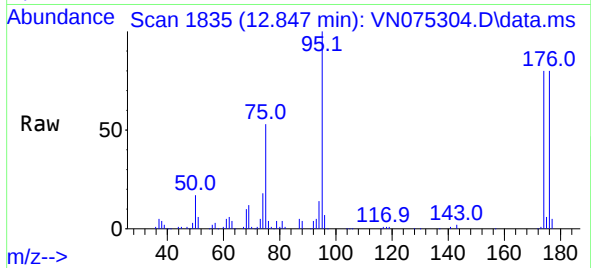




#62
4-Bromofluorobenzene
Concen: 46.803 ug/l
RT: 12.847 min Scan# 116392
Delta R.T. -0.006 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

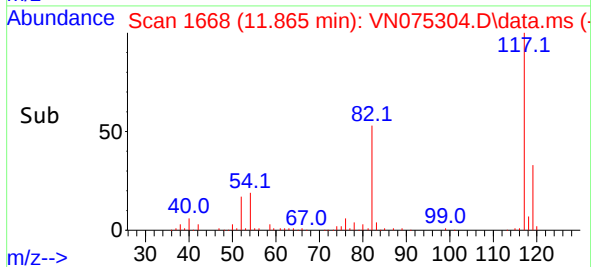
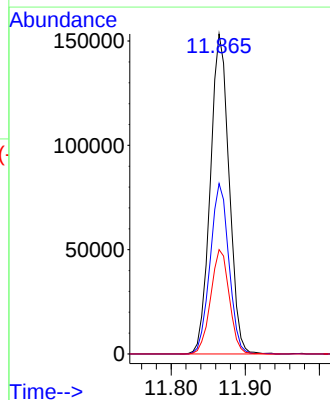
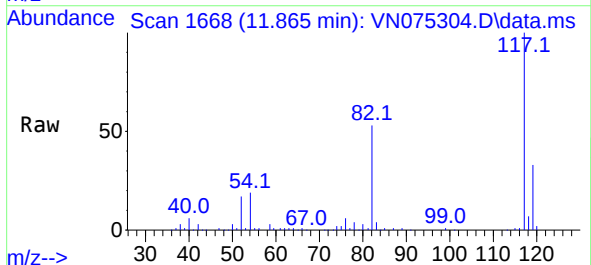
Instrument :
MSVOA_N
ClientSampleId :
AUD-1913

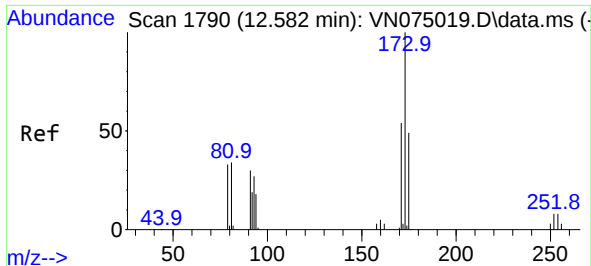
Tgt Ion: 95 Resp: 116392
Ion Ratio Lower Upper
95 100
174 80.0 0.0 147.4
176 75.6 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Tgt Ion: 117 Resp: 269795
Ion Ratio Lower Upper
117 100
82 53.2 43.1 64.7
119 32.6 25.5 38.3

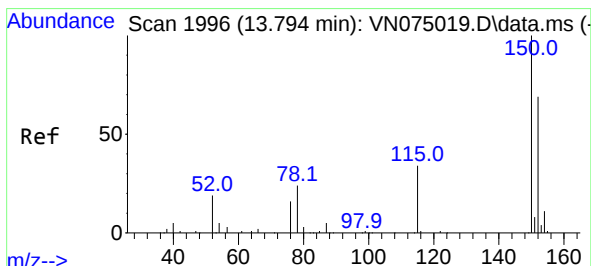
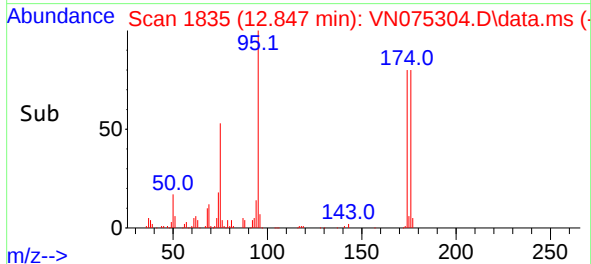
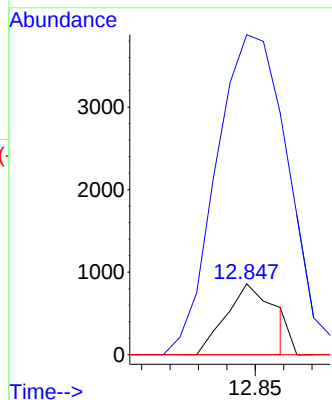
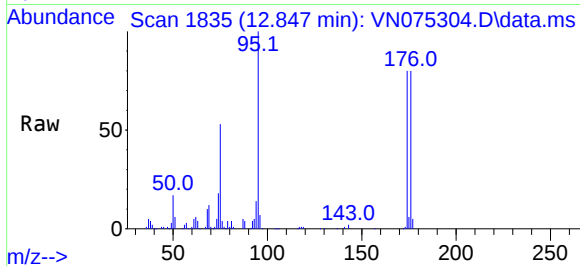




#71
Bromoform
Concen: 0.639 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

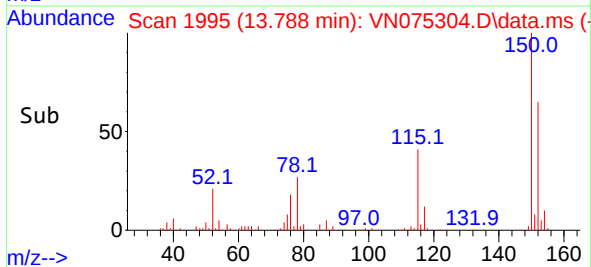
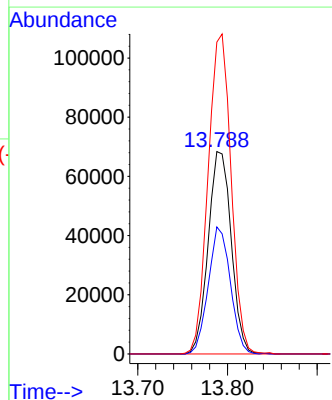
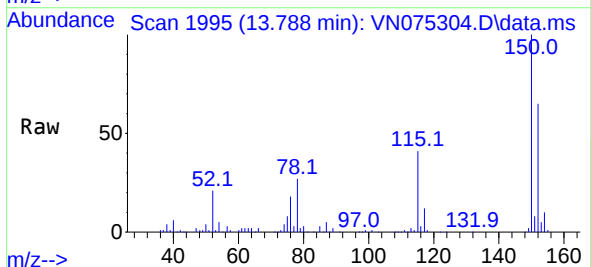
Instrument :
MSVOA_N
ClientSampleId :
AUD-1913

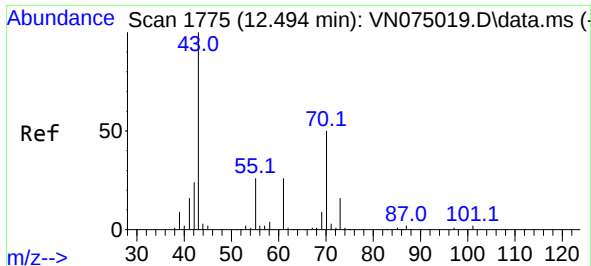
Tgt Ion:173 Resp: 1022
Ion Ratio Lower Upper
173 100
175 587.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Tgt Ion:152 Resp: 122100
Ion Ratio Lower Upper
152 100
115 60.1 30.2 90.6
150 157.5 0.0 348.4

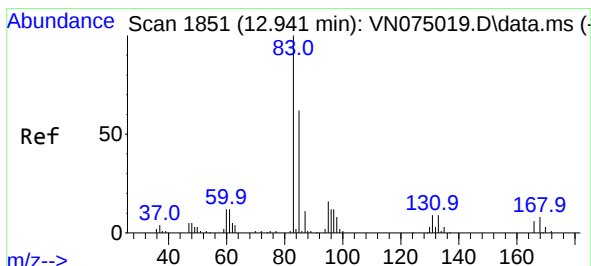
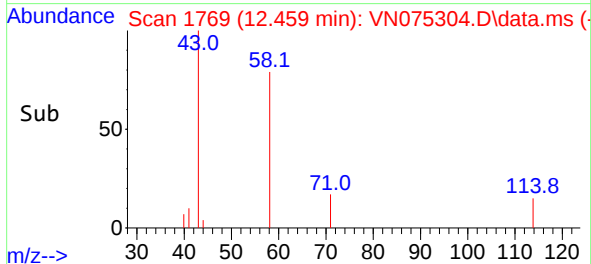
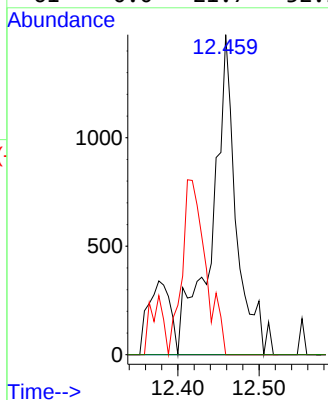
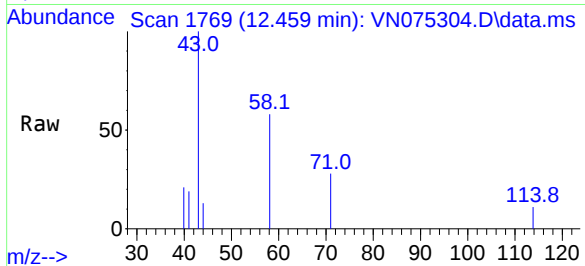




#74
N-amy1 acetate
Concen: 0.856 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

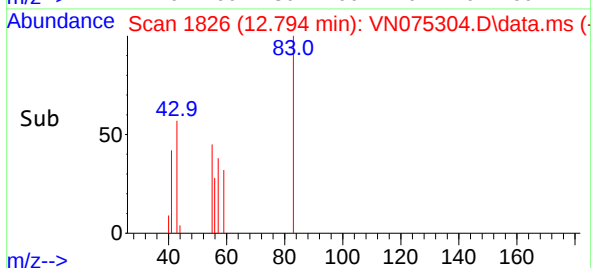
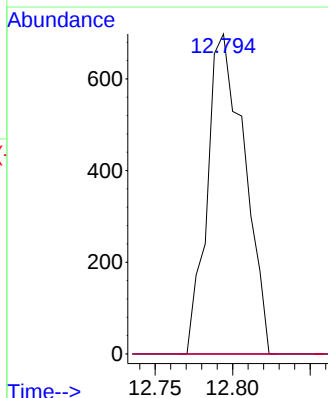
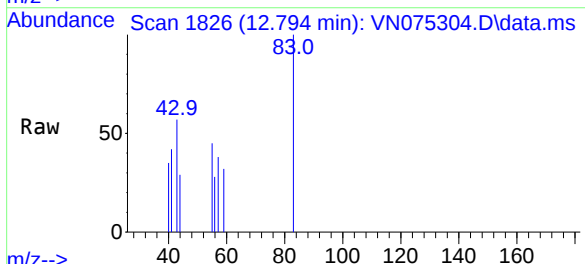
Instrument :
MSVOA_N
ClientSampleId :
AUD-1913

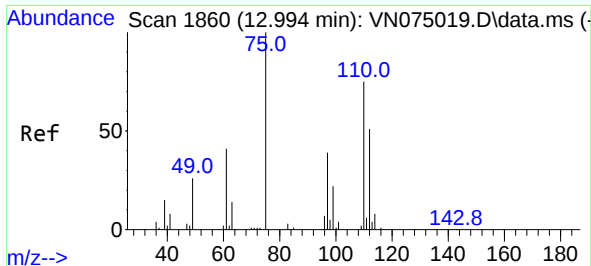
Tgt Ion:	43	Resp:	3103
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.8	59.8#
55	0.0	19.9	29.9#
61	0.0	21.7	32.5#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.794 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Tgt Ion:	83	Resp:	1163
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.3#
85	0.0	31.6	94.7#

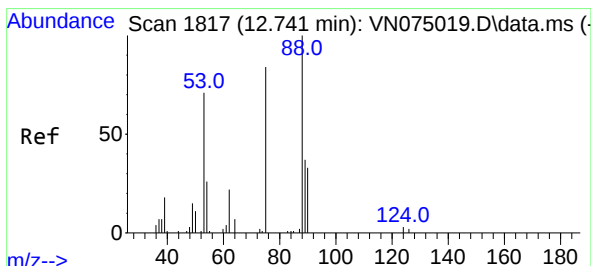
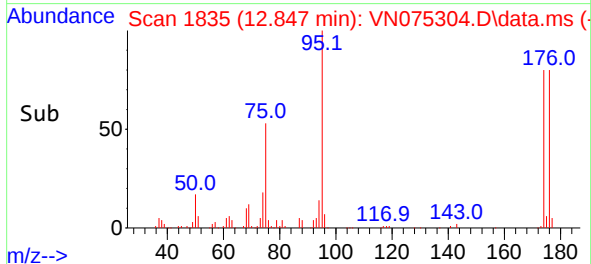
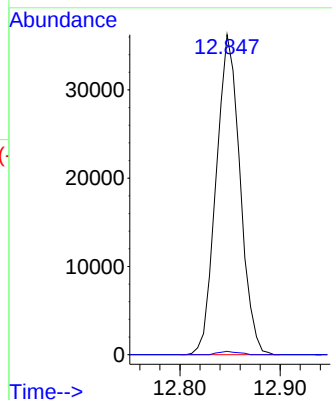
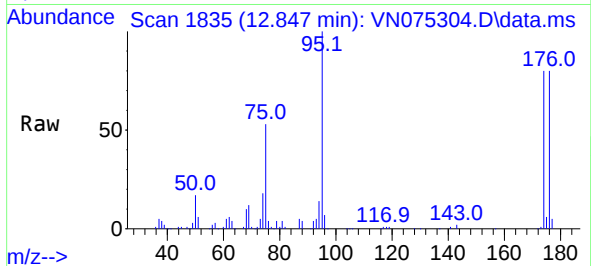




#76
1,2,3-Trichloropropane
Concen: 23.133 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

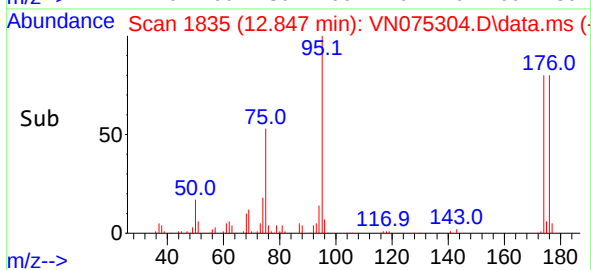
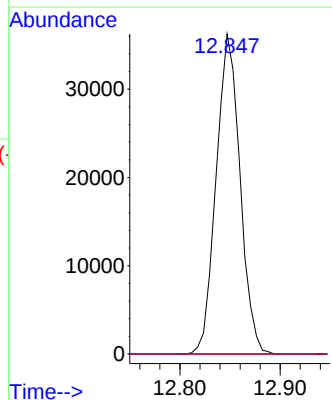
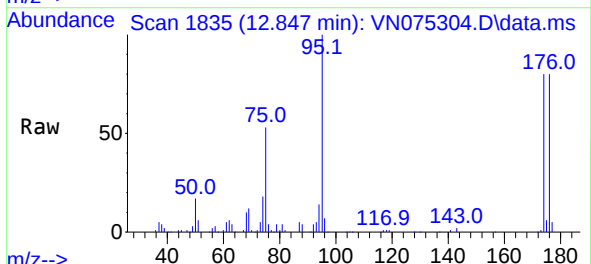
Instrument :
MSVOA_N
ClientSampleId :
AUD-1913

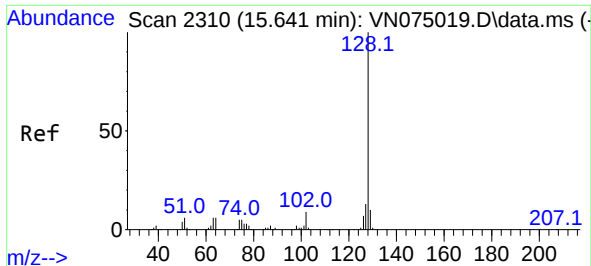
Tgt Ion: 75 Resp: 59973
Ion Ratio Lower Upper
75 100
77 0.9 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.383 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

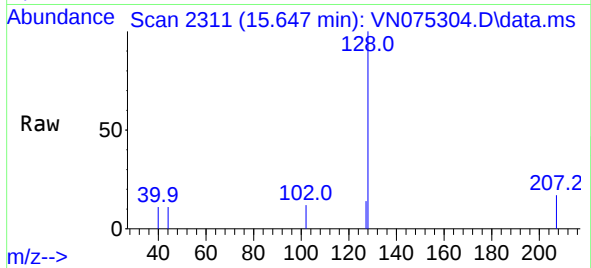
Tgt Ion: 75 Resp: 59973
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#95
Naphthalene
Concen: 0.377 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075304.D
Acq: 17 Nov 2022 15:18

Instrument :
MSVOA_N
ClientSampleId :
AUD-1913



Tgt Ion:128 Resp: 2620
Ion Ratio Lower Upper
128 100
127 8.2 10.4 15.6#
129 4.7 8.6 12.8#

