

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010623\
 Data File : VN076131.D
 Acq On : 06 Jan 2023 14:12
 Operator : JC\MD
 Sample : 01029-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-205

Quant Time: Jan 06 22:55:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

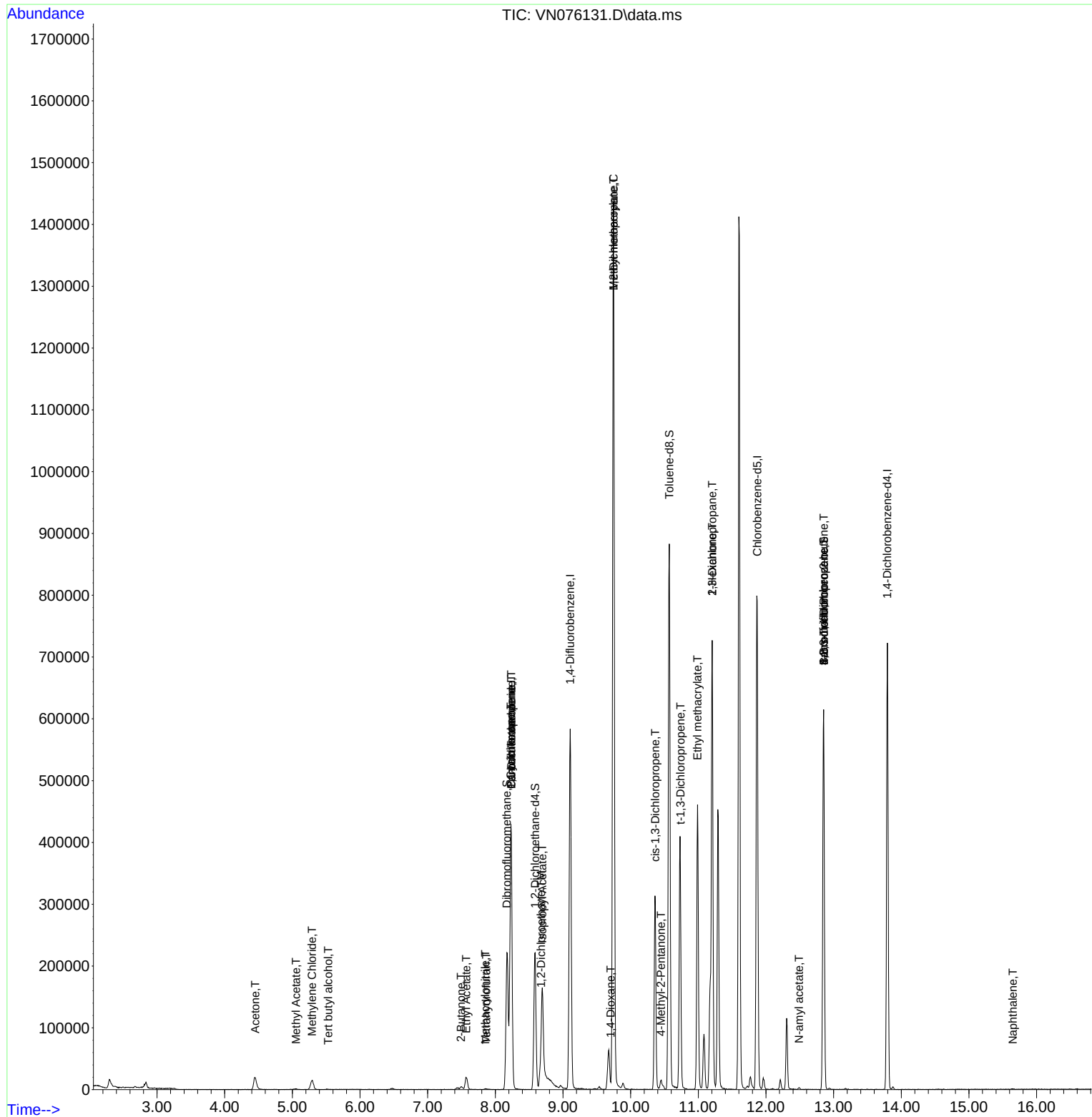
Internal Standards						
1) Pentafluorobenzene	8.235	168	332853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	542811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	487477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	178729	49.357	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.720%		
35) Dibromofluoromethane	8.171	113	160771	47.826	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.660%		
50) Toluene-d8	10.570	98	634849	50.511	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.020%		
62) 4-Bromofluorobenzene	12.853	95	200556	48.178	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.360%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	149	0.291	ug/l #	72
16) Acetone	4.453	43	39387	31.553	ug/l	97
18) Methyl Acetate	5.053	43	2328	0.631	ug/l #	66
20) Methylene Chloride	5.289	84	12688	3.200	ug/l	95
25) 2-Butanone	7.494	43	7814	4.471	ug/l	91
29) Tetrahydrofuran	7.865	42	1083	0.989	ug/l #	75
31) Cyclohexane	8.229	56	6805	1.312	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	23460	5.254	ug/l #	49
37) Ethyl Acetate	7.571	43	29718	8.285	ug/l	99
38) Carbon Tetrachloride	8.235	117	32631	6.529	ug/l #	18
41) Methacrylonitrile	7.853	41	595	0.319	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	1170	0.255	ug/l #	72
43) Isopropyl Acetate	8.694	43	207092	35.001	ug/l #	79
45) 1,2-Dichloropropane	9.747	63	1942	0.579	ug/l #	43
48) Methyl methacrylate	9.747	41	125867	47.231	ug/l #	35
49) 1,4-Dioxane	9.706	88	61	0.931	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	15243	4.260	ug/l #	68
53) t-1,3-Dichloropropene	10.735	75	1183	0.248	ug/l #	56
54) cis-1,3-Dichloropropene	10.365	75	61299	11.696	ug/l #	66
56) Ethyl methacrylate	10.988	69	1660	0.355	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7650	1.324	ug/l #	42
59) 2-Hexanone	11.206	43	93090	35.673	ug/l #	48
71) Bromoform	12.853	173	1957	0.726	ug/l #	1
74) N-amyl acetate	12.488	43	1409	0.330	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	102505	25.271	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	102505	90.962	ug/l #	12
95) Naphthalene	15.647	128	953	2.261	ug/l #	69

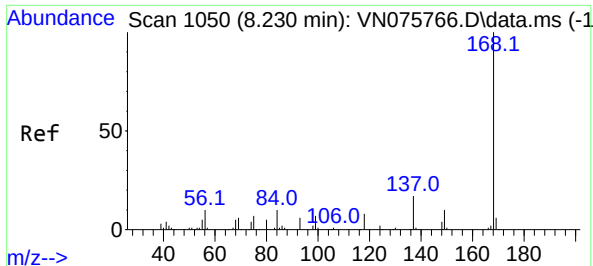
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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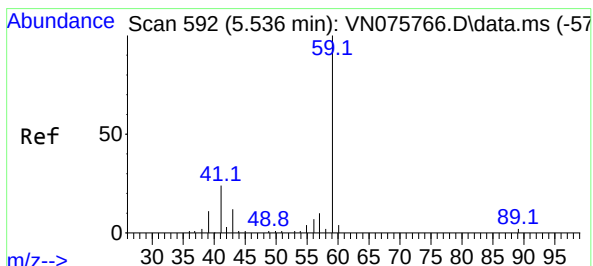
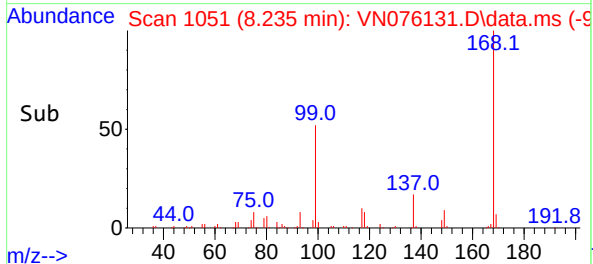
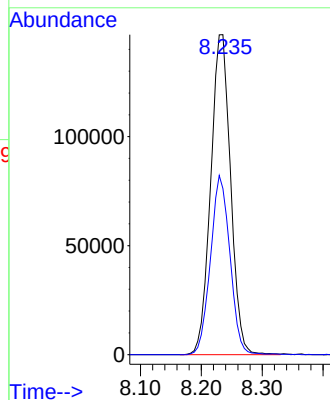
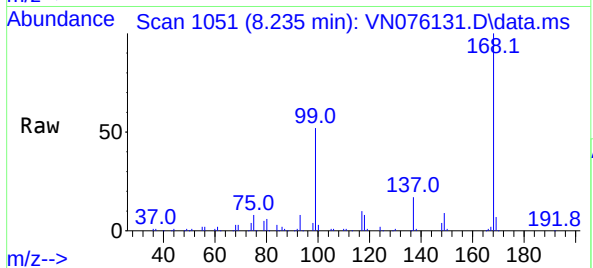




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. 0.005 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

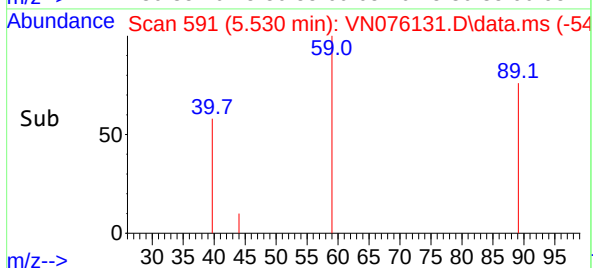
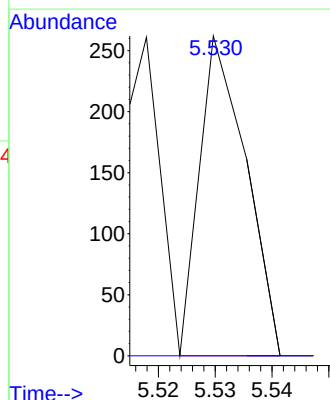
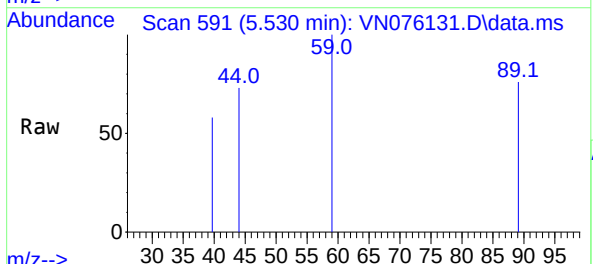
Instrument :
MSVOA_N
ClientSampleId :
TP-205

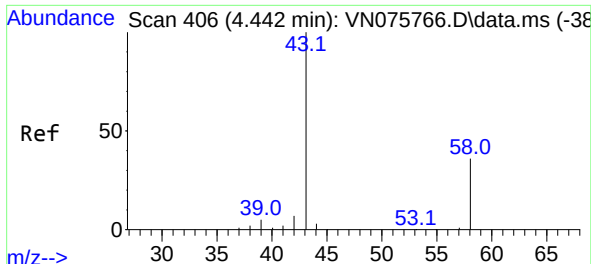
Tgt Ion:168 Resp: 332853
Ion Ratio Lower Upper
168 100
99 51.9 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.291 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Tgt Ion: 59 Resp: 149
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

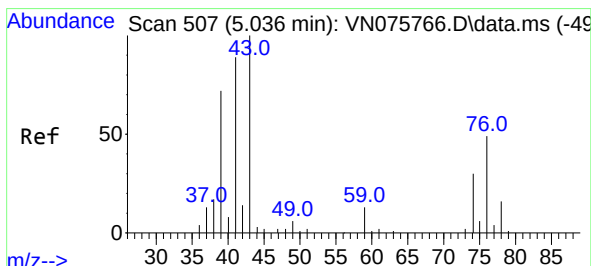
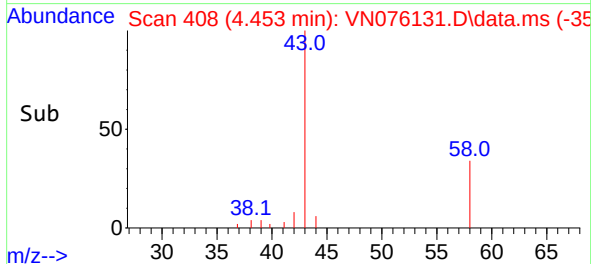
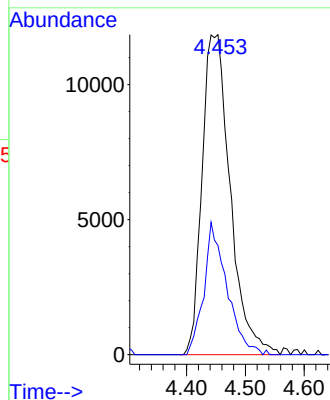
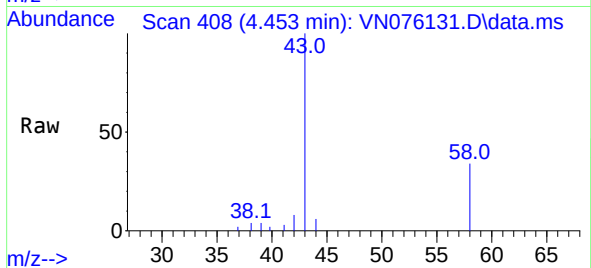




#16
Acetone
Concen: 31.553 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

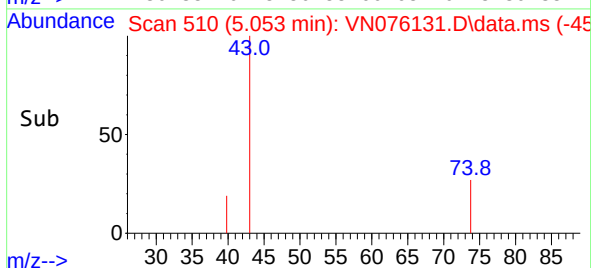
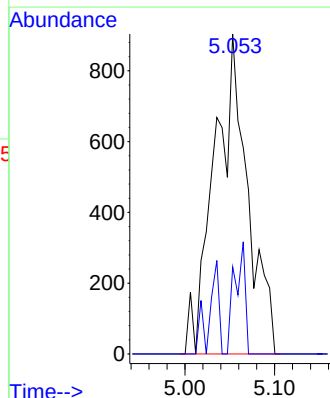
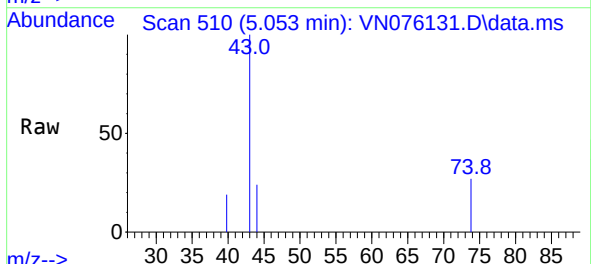
Instrument :
MSVOA_N
ClientSampleId :
TP-205

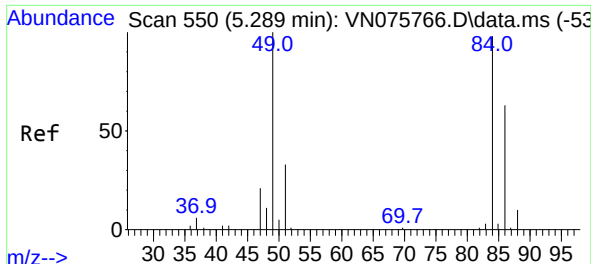
Tgt Ion: 43 Resp: 39387
Ion Ratio Lower Upper
43 100
58 34.1 28.6 43.0



#18
Methyl Acetate
Concen: 0.631 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Tgt Ion: 43 Resp: 2328
Ion Ratio Lower Upper
43 100
74 11.1 23.6 35.4#



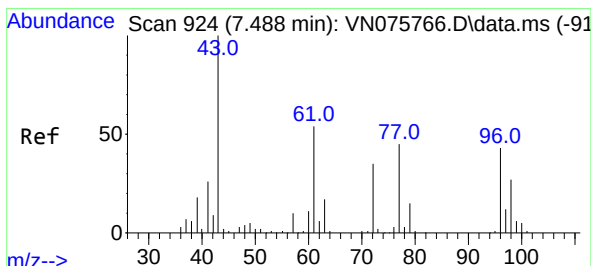
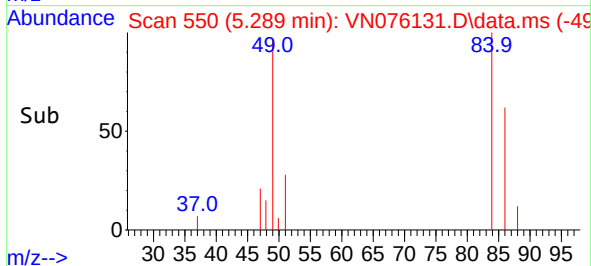
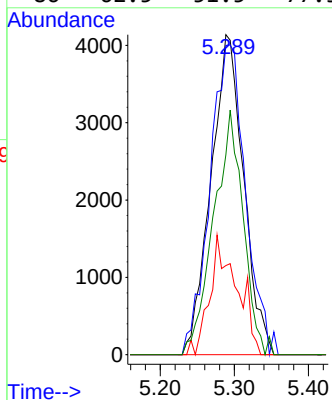
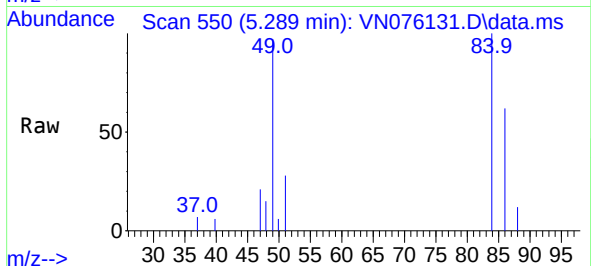


#20
Methylene Chloride
Concen: 3.200 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Instrument :
MSVOA_N
ClientSampleId :
TP-205

Tgt Ion: 84 Resp: 12688

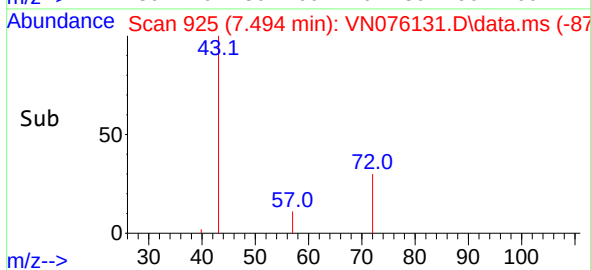
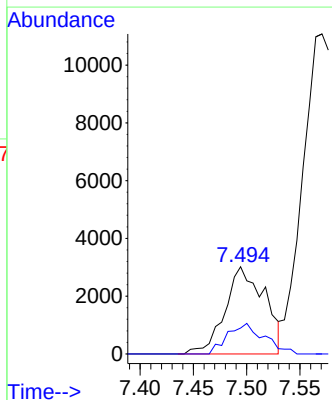
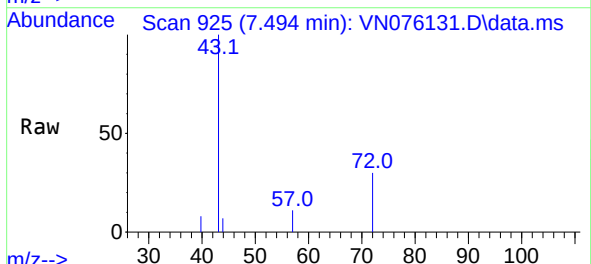
Ion	Ratio	Lower	Upper
84	100		
49	96.6	81.8	122.6
51	27.8	26.7	40.1
86	62.5	51.5	77.3

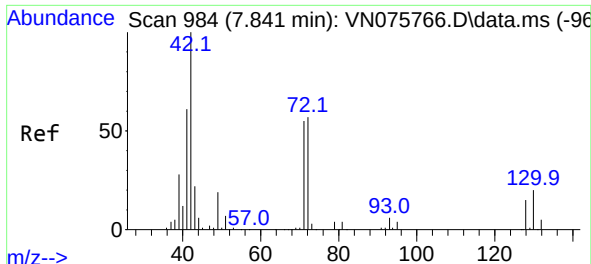


#25
2-Butanone
Concen: 4.471 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Tgt Ion: 43 Resp: 7814

Ion	Ratio	Lower	Upper
43	100		
72	29.8	28.0	42.0





#29

Tetrahydrofuran

Concen: 0.989 ug/l

RT: 7.865 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN076131.D

Acq: 06 Jan 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

TP-205

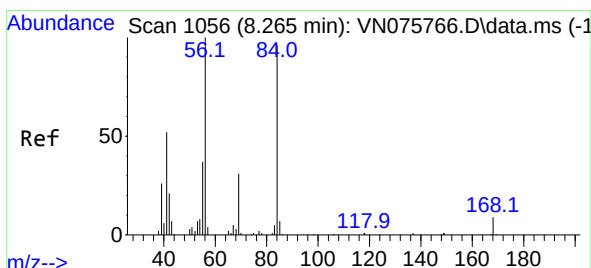
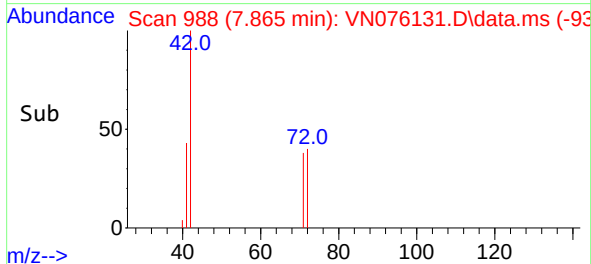
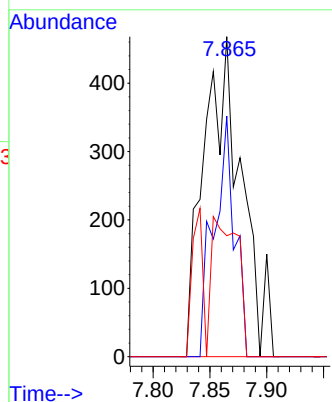
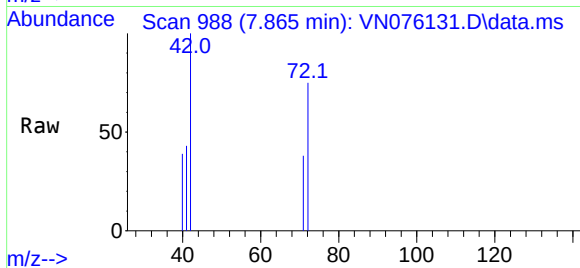
Tgt Ion: 42 Resp: 1083

Ion Ratio Lower Upper

42 100

72 41.4 44.5 66.7#

71 30.2 41.0 61.6#



#31

Cyclohexane

Concen: 1.312 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076131.D

Acq: 06 Jan 2023 14:12

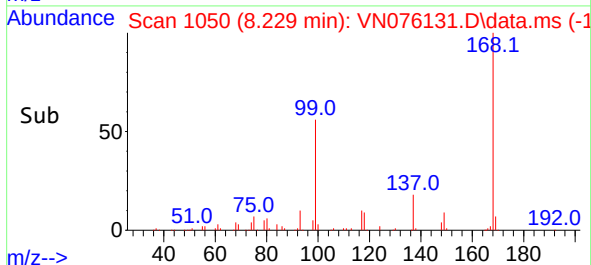
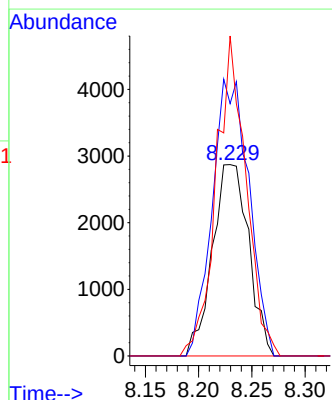
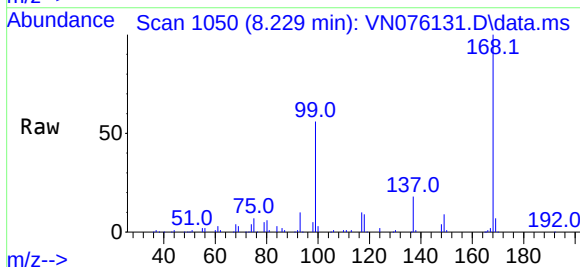
Tgt Ion: 56 Resp: 6805

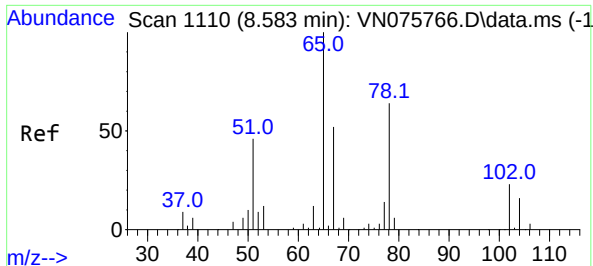
Ion Ratio Lower Upper

56 100

69 131.9 24.7 37.1#

84 167.2 76.5 114.7#

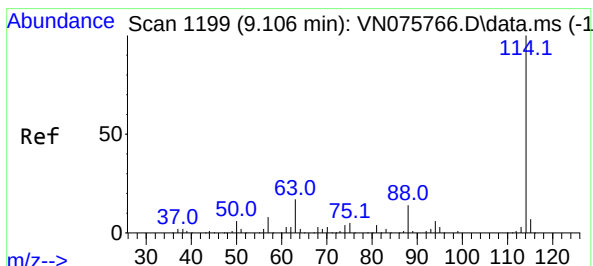
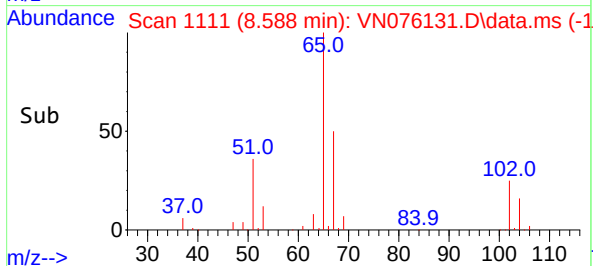
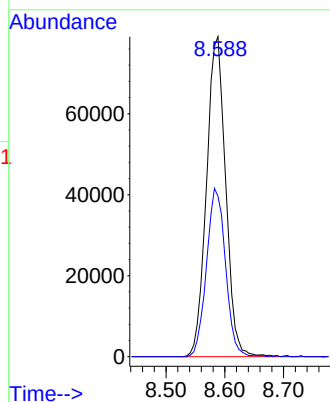
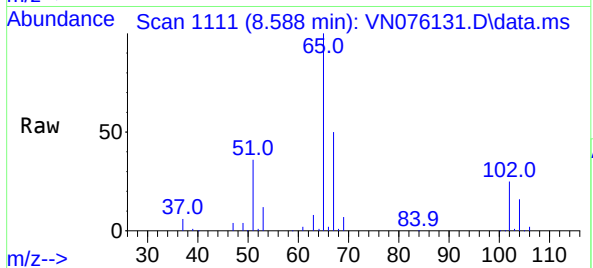




#33
1,2-Dichloroethane-d4
Concen: 49.357 ug/l
RT: 8.588 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

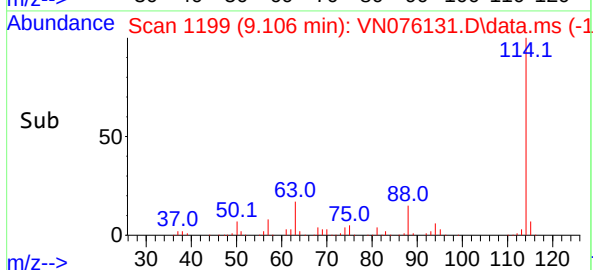
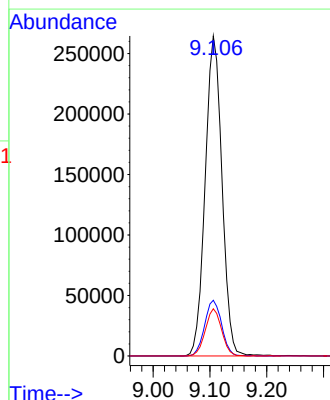
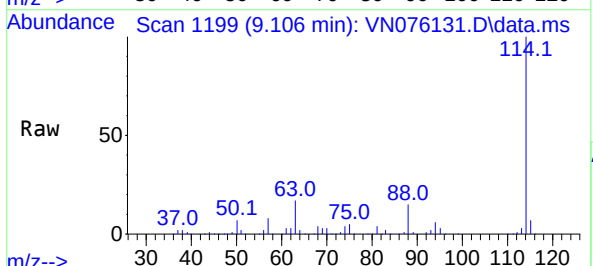
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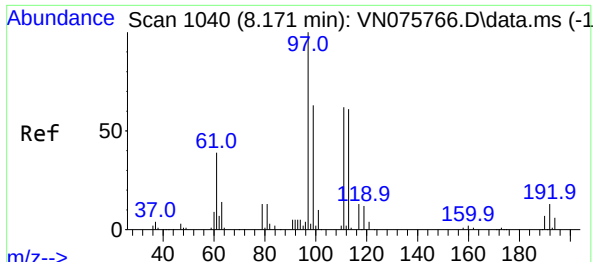
Tgt Ion: 65 Resp: 178729
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

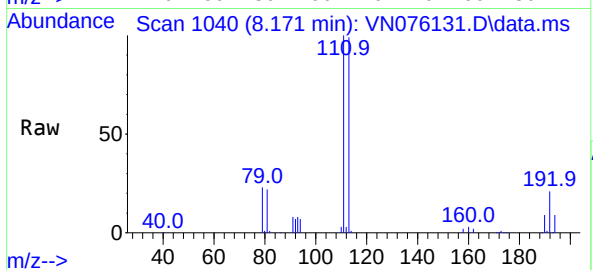
Tgt Ion: 114 Resp: 542811
Ion Ratio Lower Upper
114 100
63 17.4 0.0 34.4
88 14.7 0.0 28.8



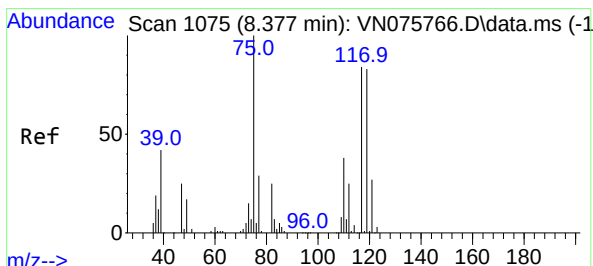
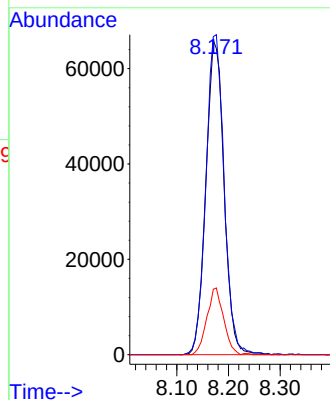
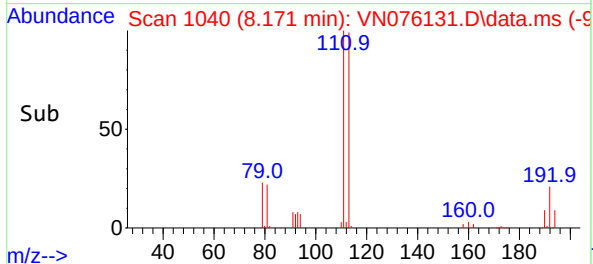


#35
Dibromofluoromethane
Concen: 47.826 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

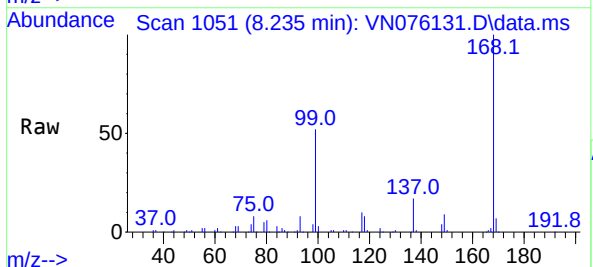
Instrument :
MSVOA_N
ClientSampleId :
TP-205



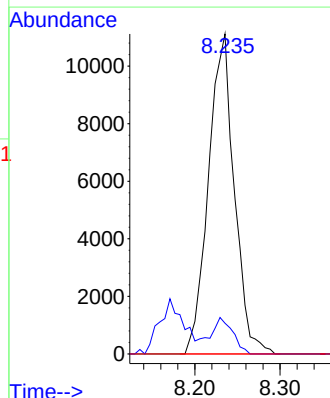
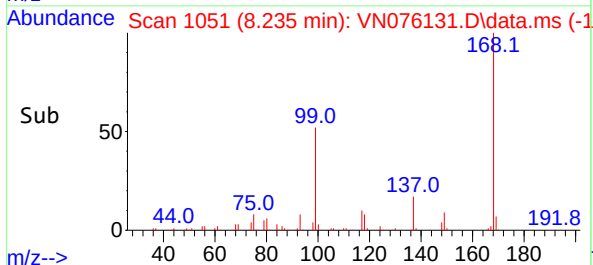
Tgt Ion:113 Resp: 160771
Ion Ratio Lower Upper
113 100
111 102.0 83.4 125.2
192 19.5 16.1 24.1

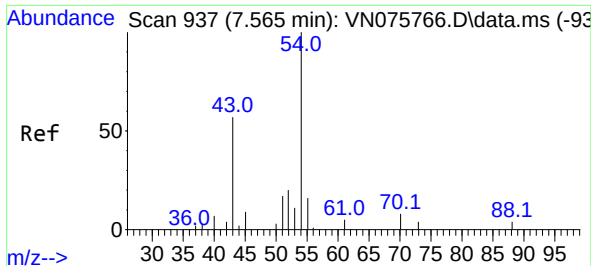


#36
1,1-Dichloropropene
Concen: 5.254 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12



Tgt Ion: 75 Resp: 23460
Ion Ratio Lower Upper
75 100
110 9.5 18.8 56.4#
77 0.0 24.1 36.1#

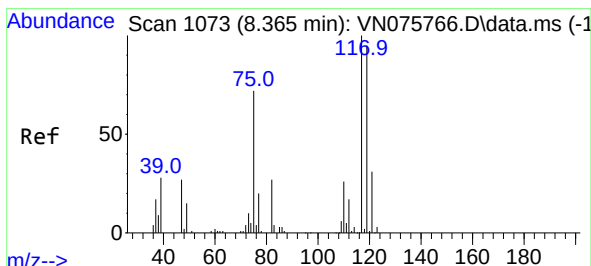
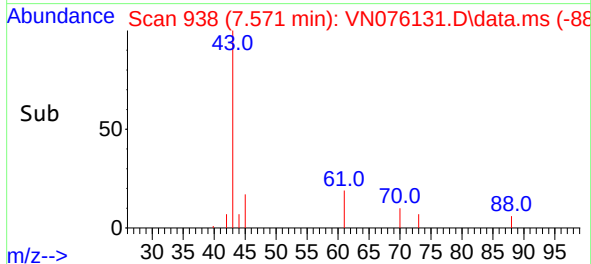
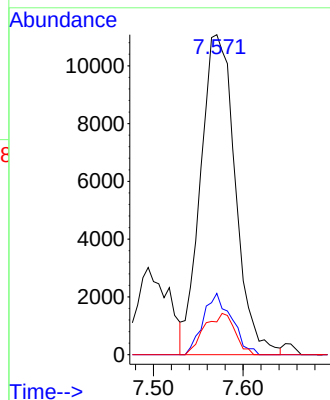
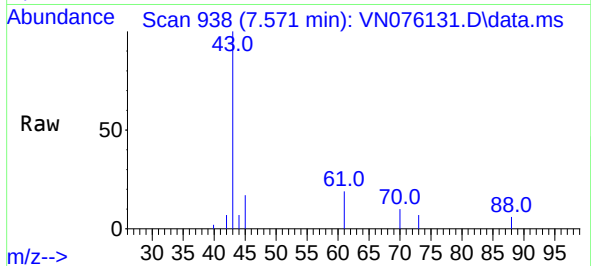




#37
Ethyl Acetate
Concen: 8.285 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

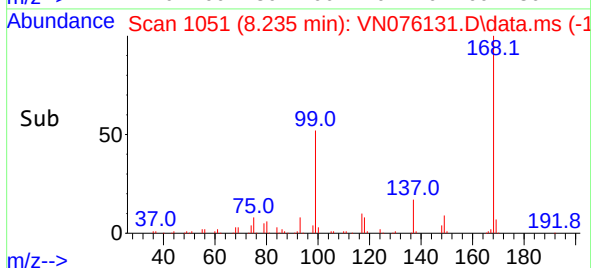
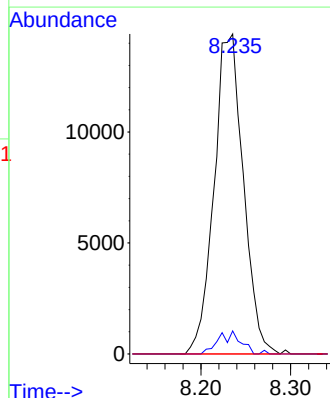
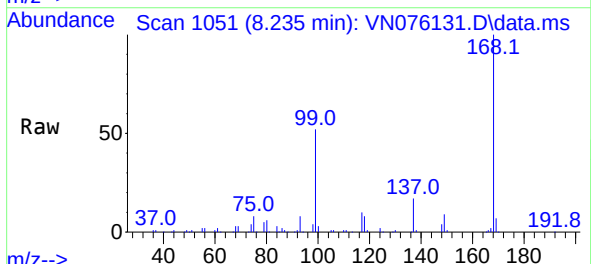
Instrument :
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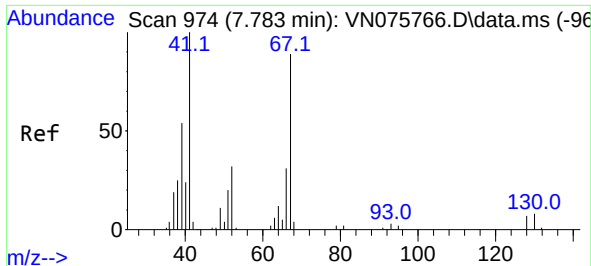
Tgt Ion: 43 Resp: 29718
Ion Ratio Lower Upper
43 100
61 15.8 13.0 19.4
70 11.3 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.529 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.130 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Tgt Ion: 117 Resp: 32631
Ion Ratio Lower Upper
117 100
119 7.2 76.1 114.1#
121 0.0 24.5 36.7#

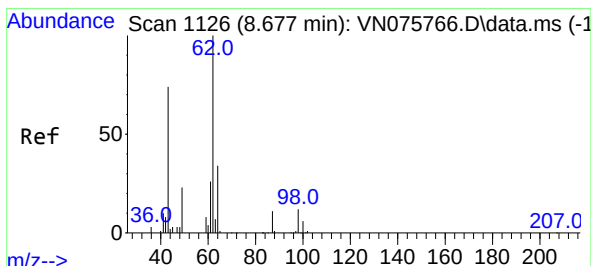
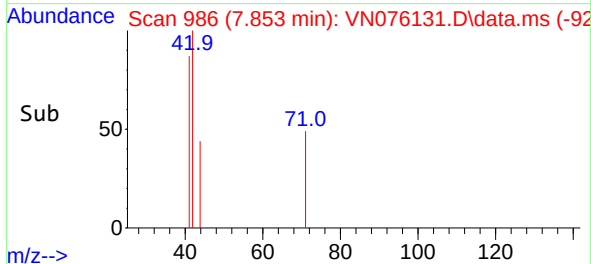
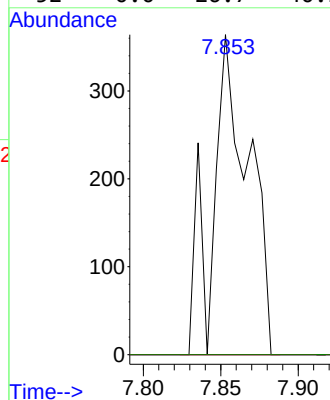
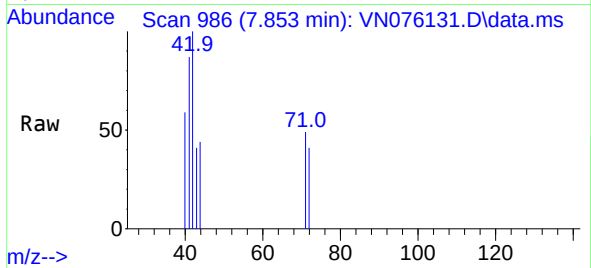




#41
Methacrylonitrile
Concen: 0.319 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.070 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

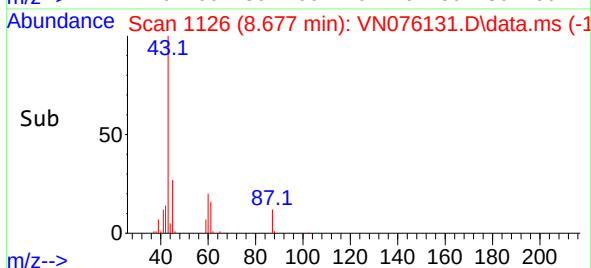
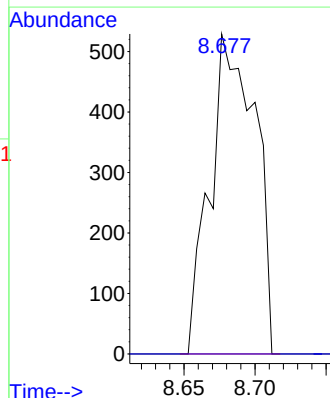
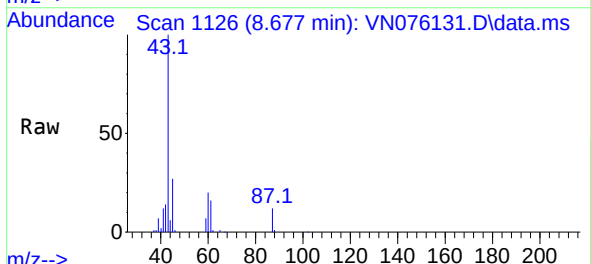
Instrument :
MSVOA_N
ClientSampleId :
TP-205

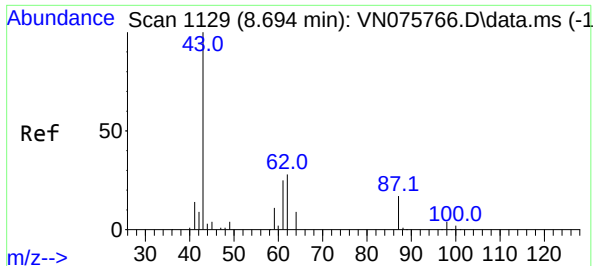
Tgt Ion:	41	Resp:	595
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.1	64.7#
67	0.0	70.7	106.1#
52	0.0	26.7	40.1#



#42
1,2-Dichloroethane
Concen: 0.255 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Tgt Ion:	62	Resp:	1170
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.8

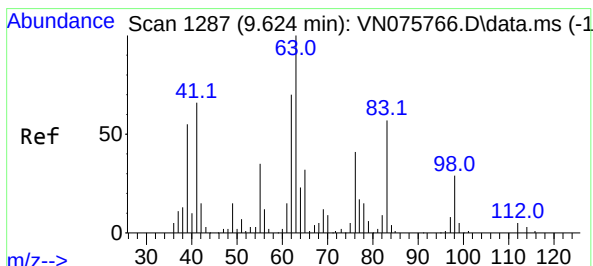
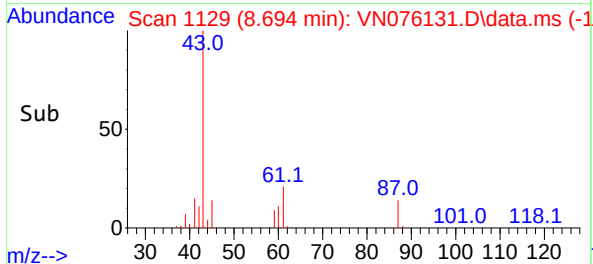
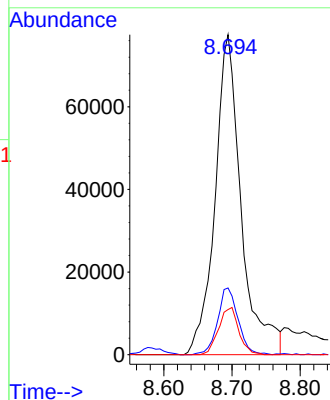
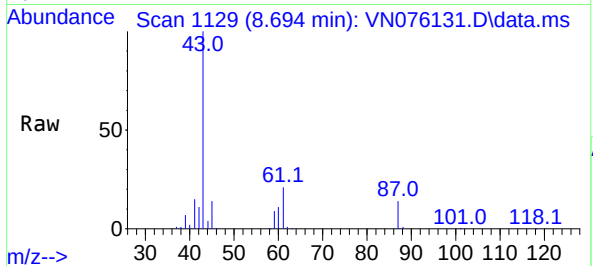




#43
Isopropyl Acetate
Concen: 35.001 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

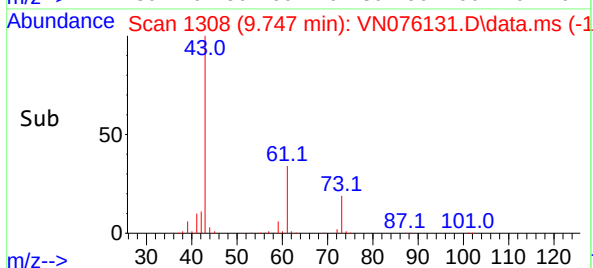
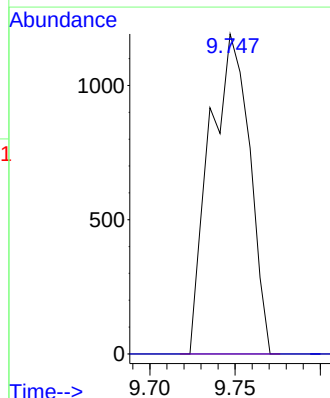
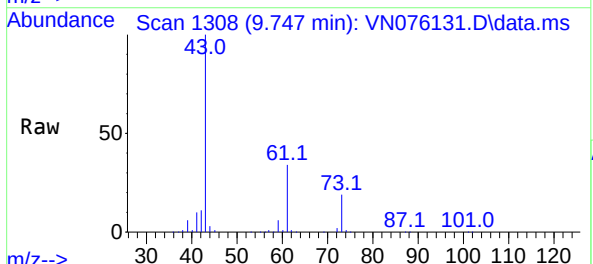
Instrument :
MSVOA_N
ClientSampleId :
TP-205

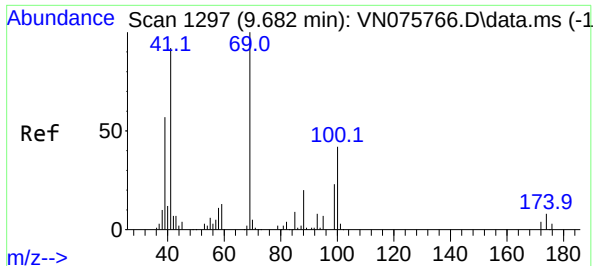
Tgt Ion: 43 Resp: 207092
Ion Ratio Lower Upper
43 100
61 16.3 24.2 36.4#
87 11.4 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.579 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Tgt Ion: 63 Resp: 1942
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

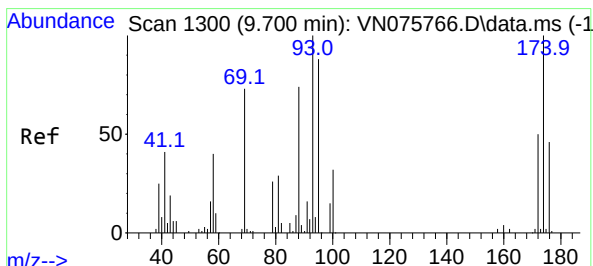
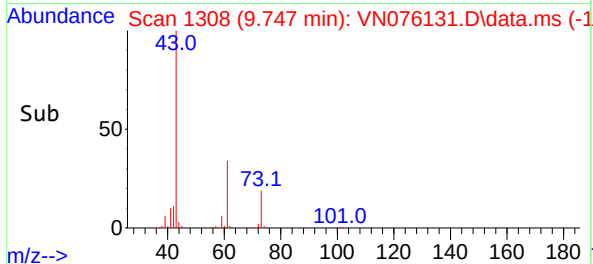
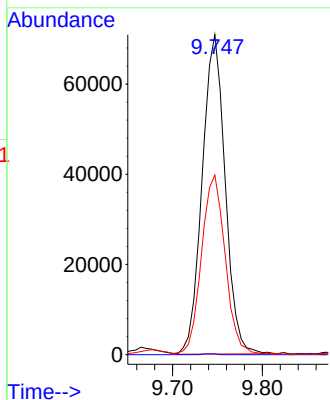
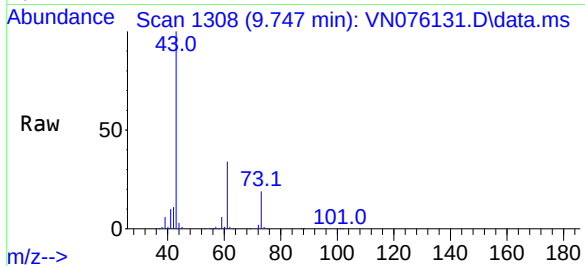




#48
Methyl methacrylate
Concen: 47.231 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

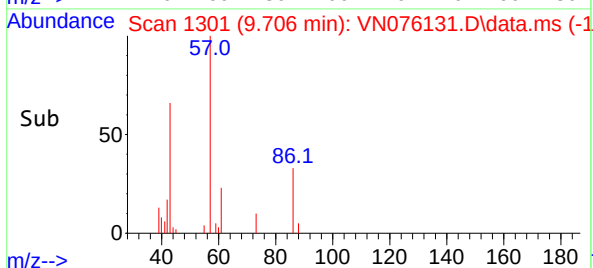
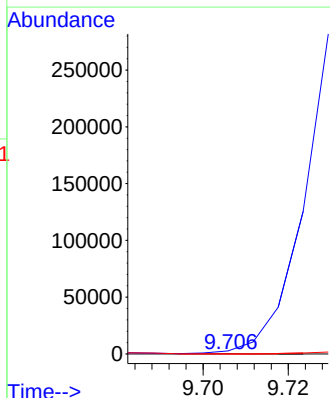
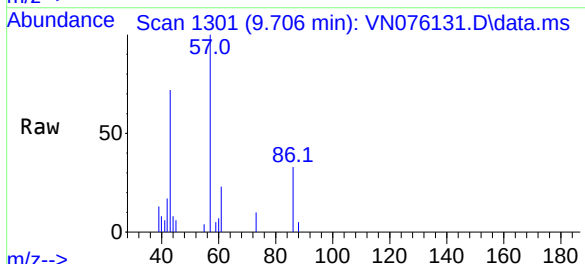
Instrument :
MSVOA_N
ClientSampleId :
TP-205

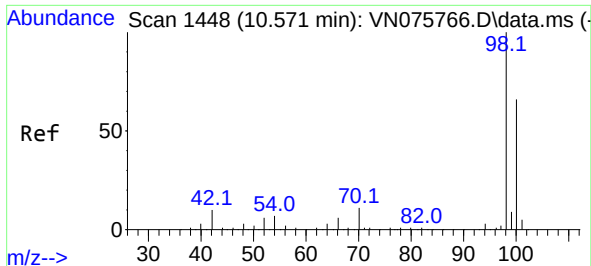
Tgt Ion: 41 Resp: 125867
Ion Ratio Lower Upper
41 100
69 0.1 81.9 122.9#
39 58.4 51.6 77.4



#49
1,4-Dioxane
Concen: 0.931 ug/l
RT: 9.706 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 17.1 25.7#
58 0.0 47.8 71.8#

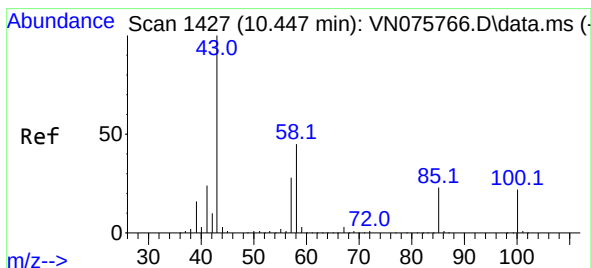
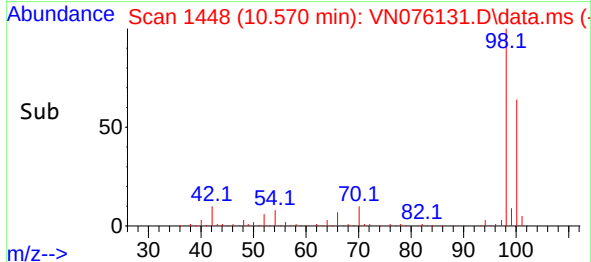
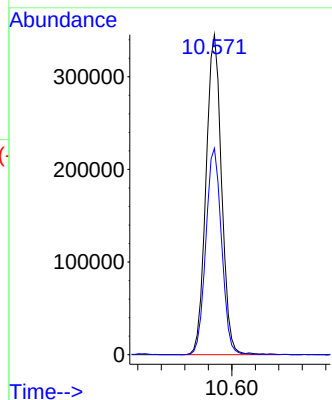
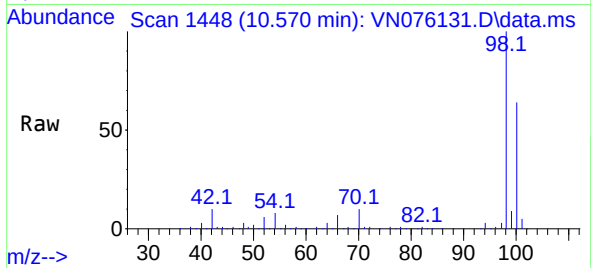




#50
Toluene-d8
Concen: 50.511 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

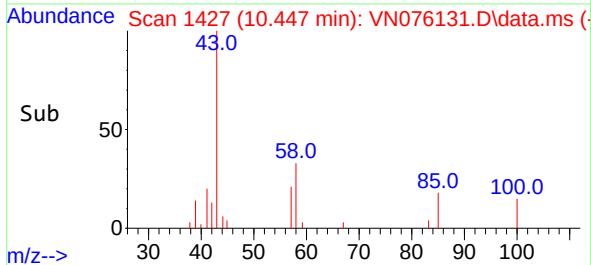
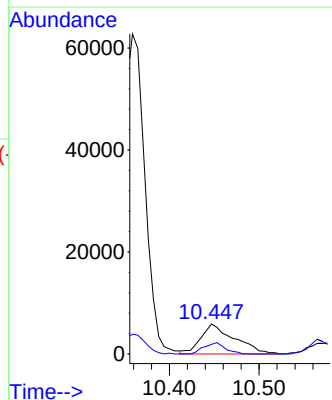
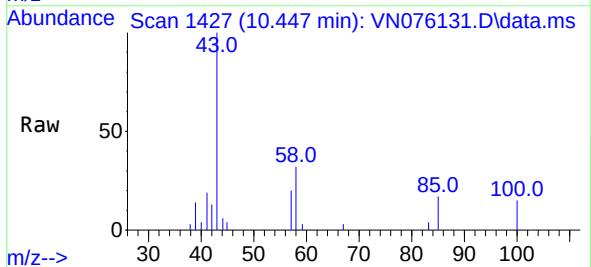
Instrument :
MSVOA_N
ClientSampleId :
TP-205

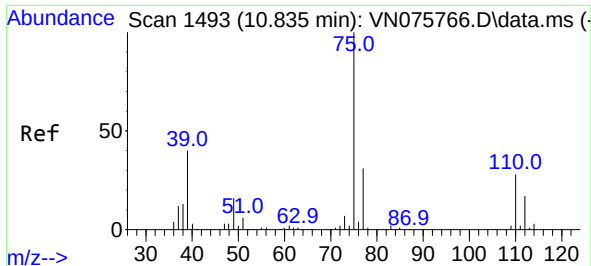
Tgt Ion: 98 Resp: 634849
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.260 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Tgt Ion: 43 Resp: 15243
Ion Ratio Lower Upper
43 100
58 23.8 35.5 53.3#

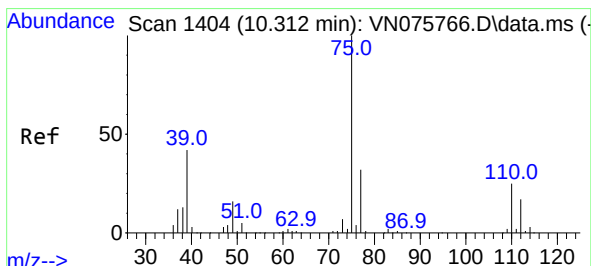
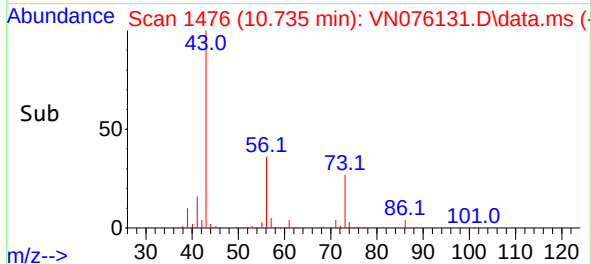
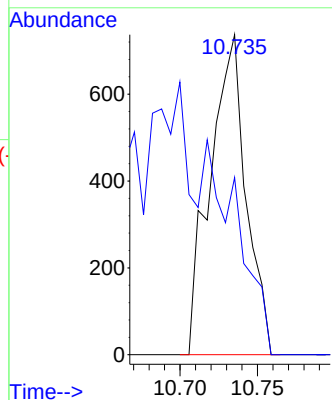
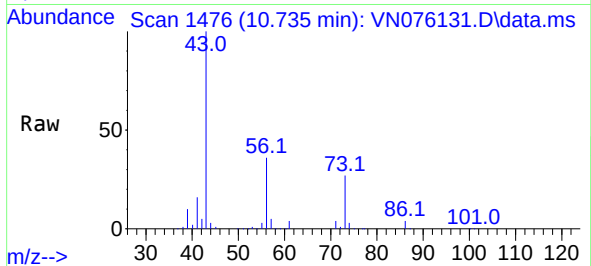




#53
t-1,3-Dichloropropene
Concen: 0.248 ug/l
RT: 10.735 min Scan# 1412
Delta R.T. -0.100 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

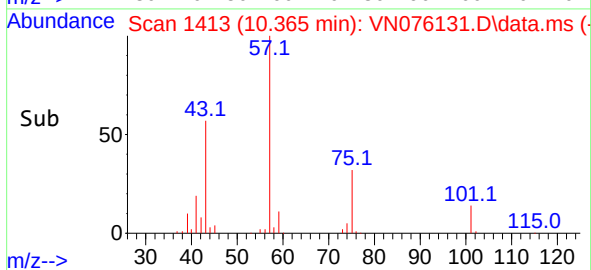
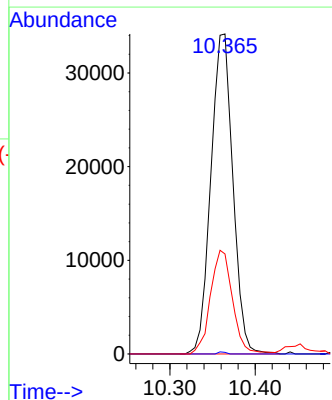
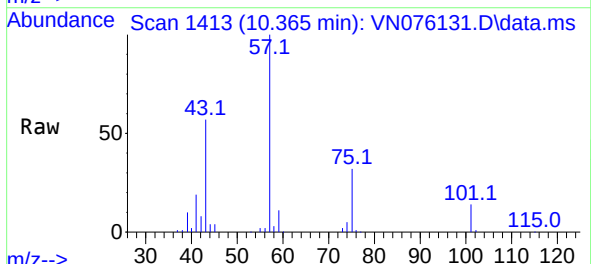
Instrument :
MSVOA_N
ClientSampleId :
TP-205

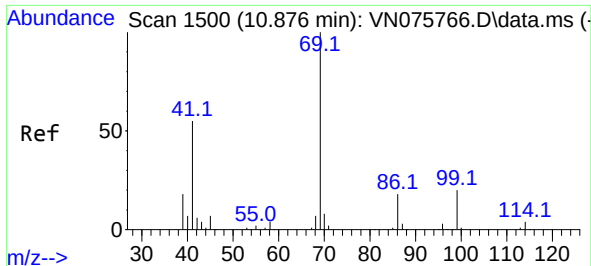
Tgt Ion: 75 Resp: 1183
Ion Ratio Lower Upper
75 100
77 55.4 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 11.696 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.053 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Tgt Ion: 75 Resp: 61299
Ion Ratio Lower Upper
75 100
77 0.5 25.8 38.8#
39 31.3 33.4 50.2#

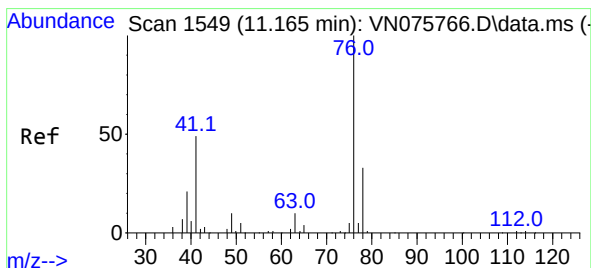
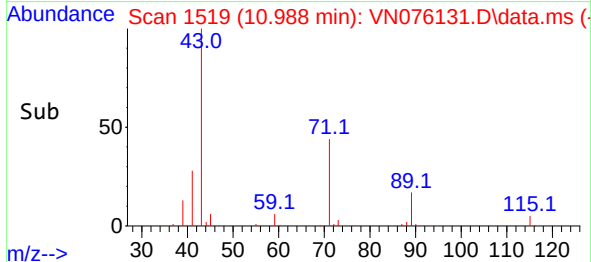
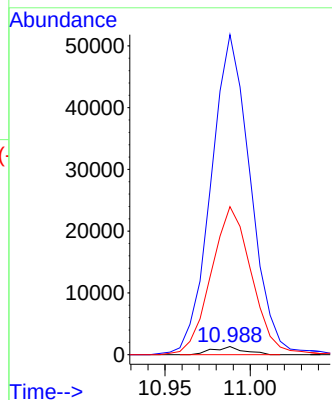
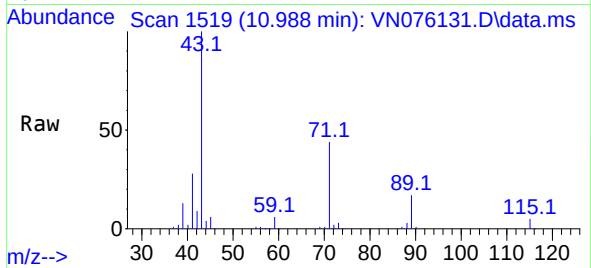




#56
Ethyl methacrylate
Concen: 0.355 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

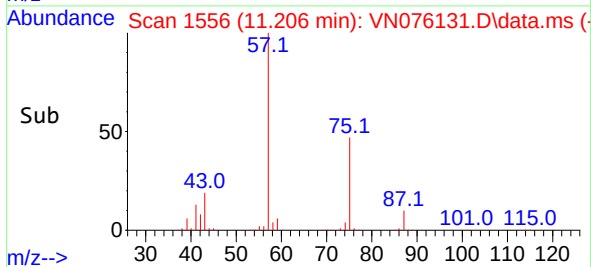
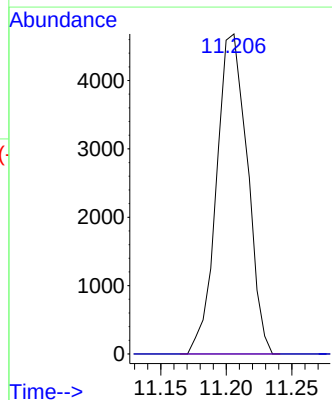
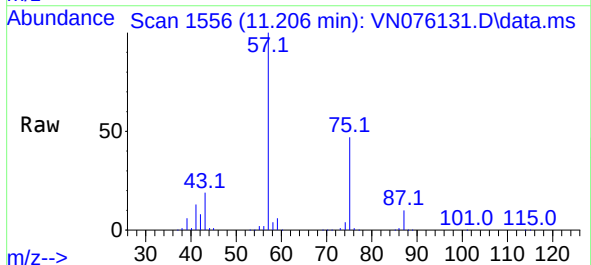
Instrument :
MSVOA_N
ClientSampleId :
TP-205

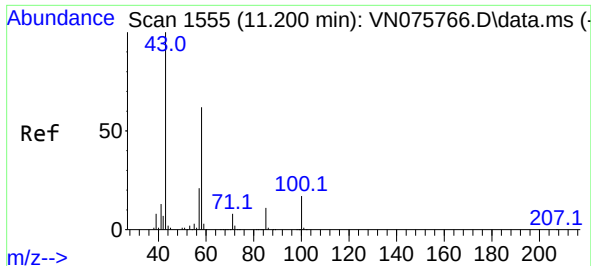
Tgt Ion: 69 Resp: 1660
Ion Ratio Lower Upper
69 100
41 5059.2 44.2 66.4#
39 2395.9 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.324 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Tgt Ion: 76 Resp: 7650
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

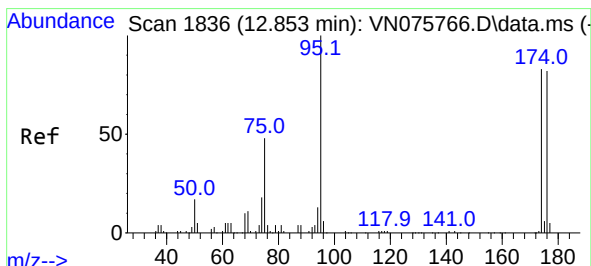
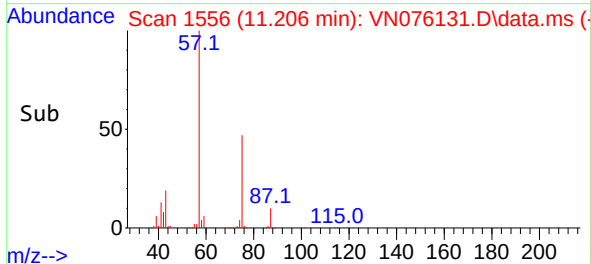
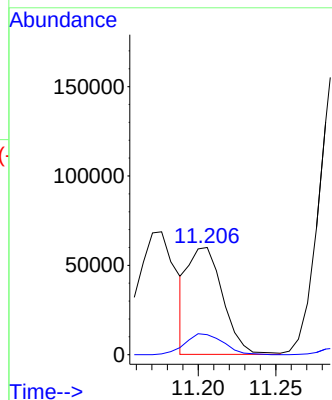
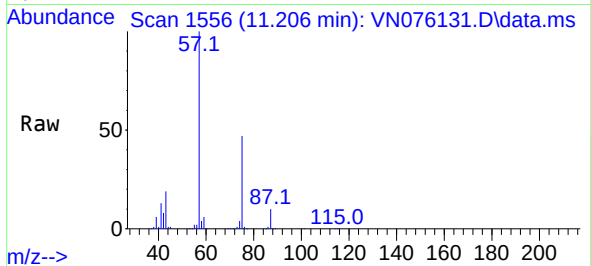




#59
2-Hexanone
Concen: 35.673 ug/l
RT: 11.206 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

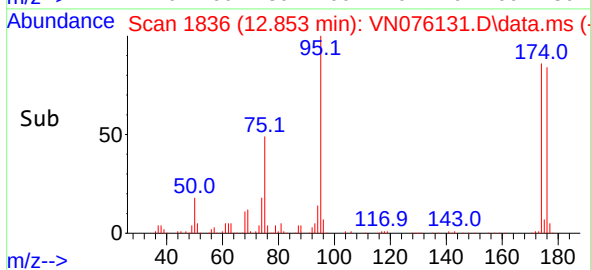
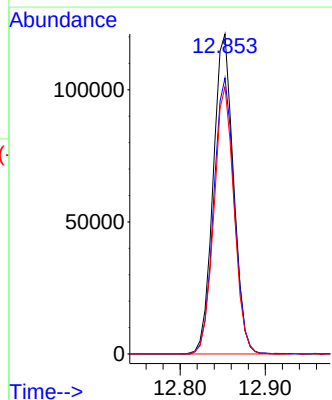
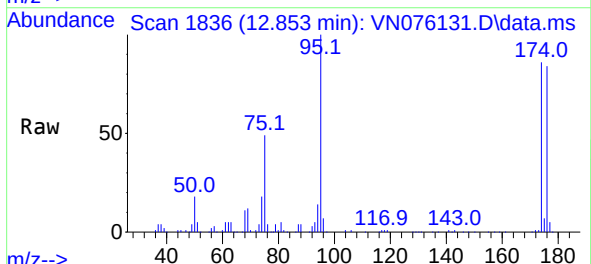
Instrument :
MSVOA_N
ClientSampleId :
TP-205

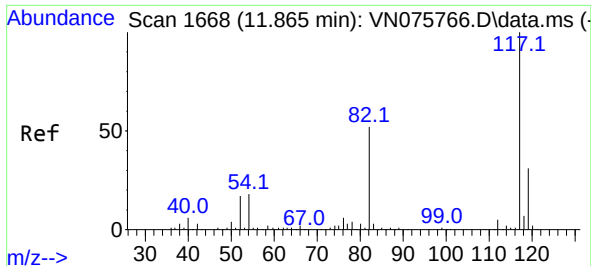
Tgt Ion: 43 Resp: 93090
Ion Ratio Lower Upper
43 100
58 21.6 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 48.178 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Tgt Ion: 95 Resp: 200556
Ion Ratio Lower Upper
95 100
174 87.4 0.0 171.6
176 82.6 0.0 169.2

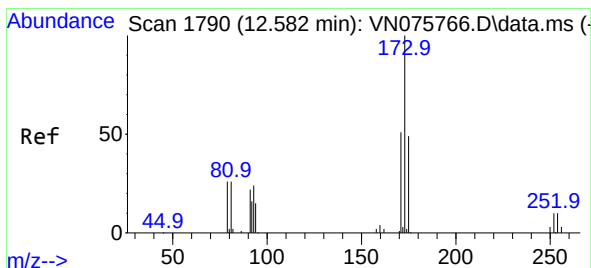
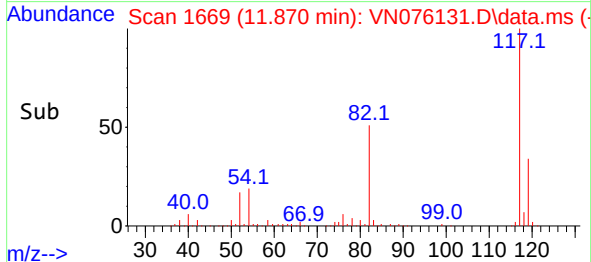
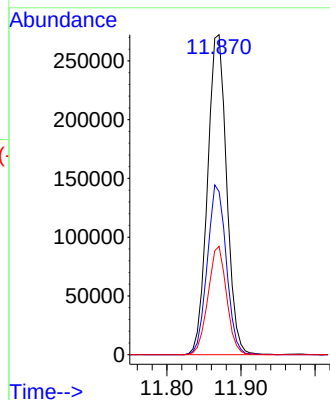
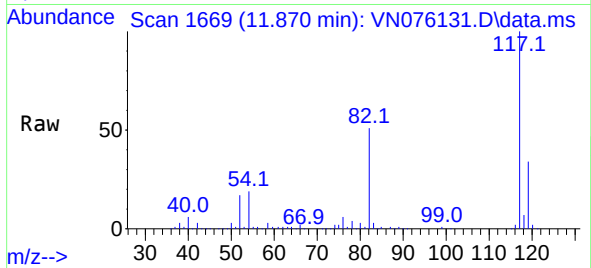




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

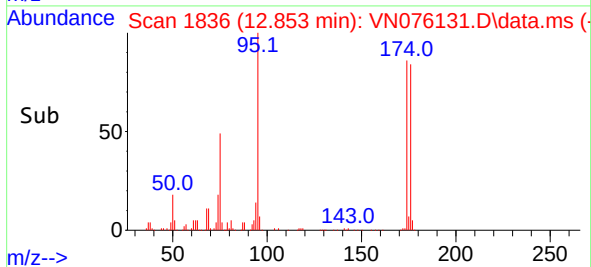
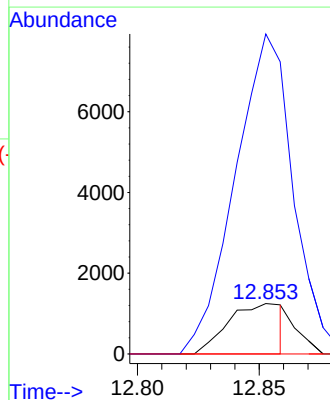
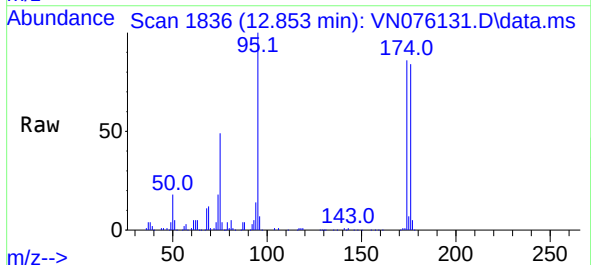
Instrument :
MSVOA_N
ClientSampleId :
TP-205

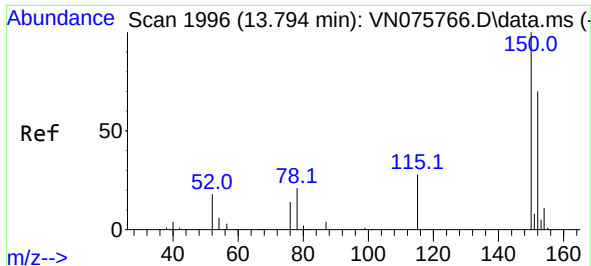
Tgt Ion:117 Resp: 487477
Ion Ratio Lower Upper
117 100
82 50.9 41.3 61.9
119 33.9 24.6 37.0



#71
Bromoform
Concen: 0.726 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Tgt Ion:173 Resp: 1957
Ion Ratio Lower Upper
173 100
175 554.7 24.3 72.8#
254 0.0 0.0 0.0

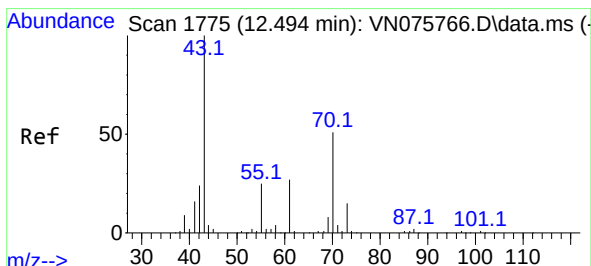
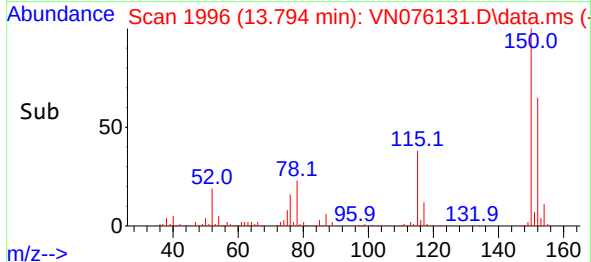
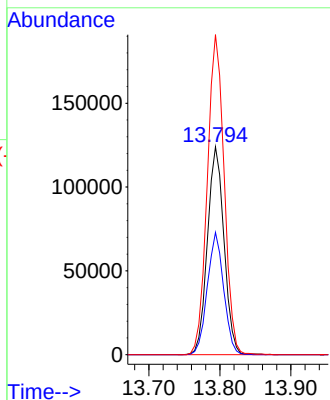
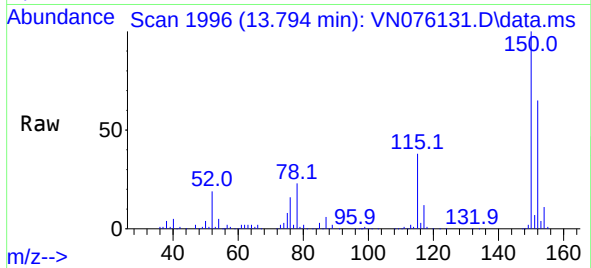




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

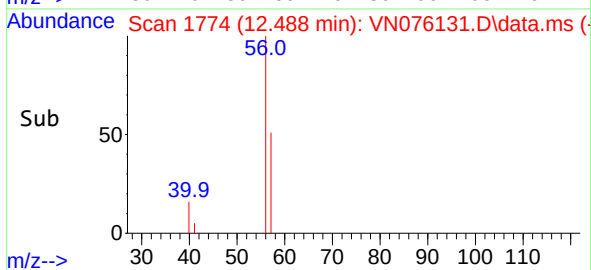
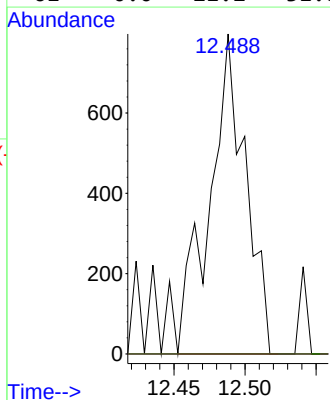
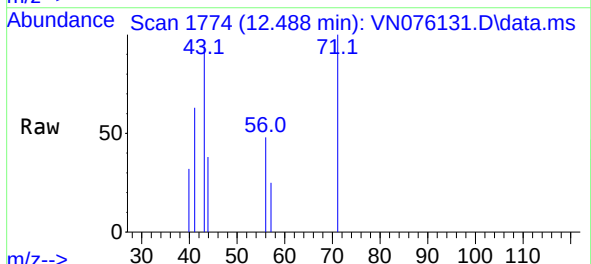
Instrument :
MSVOA_N
ClientSampleId :
TP-205

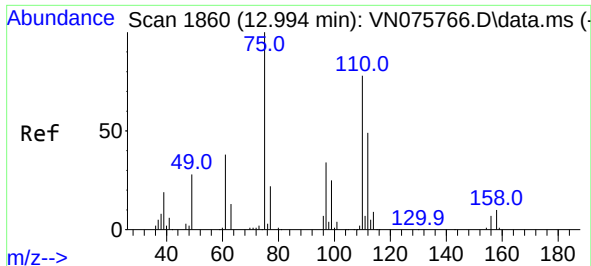
Tgt Ion:152 Resp: 201229
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.4
150 156.4 0.0 347.0



#74
N-ethyl acetate
Concen: 0.330 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Tgt Ion: 43 Resp: 1409
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.0#
55 0.0 21.3 31.9#
61 0.0 21.2 31.8#

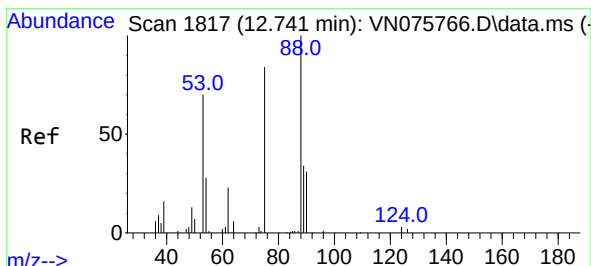
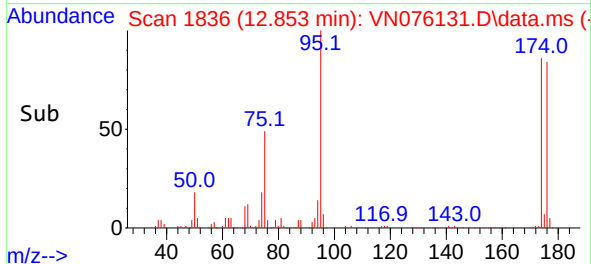
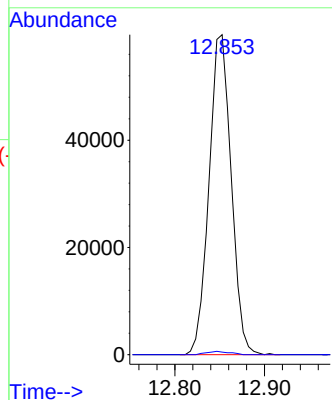
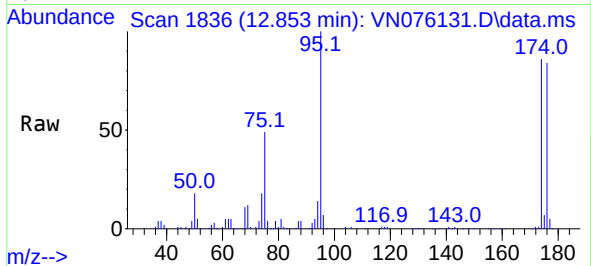




#76
1,2,3-Trichloropropane
Concen: 25.271 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

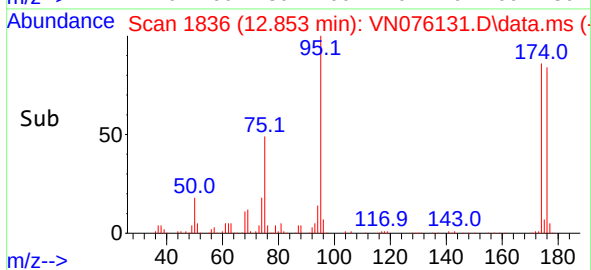
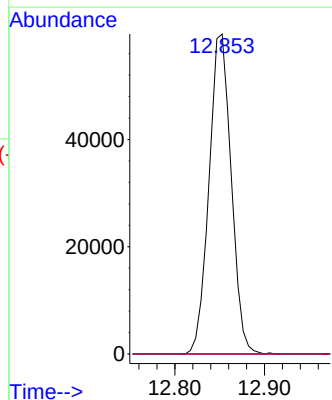
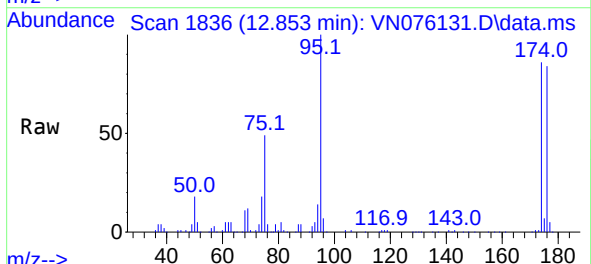
Instrument :
MSVOA_N
ClientSampleId :
TP-205

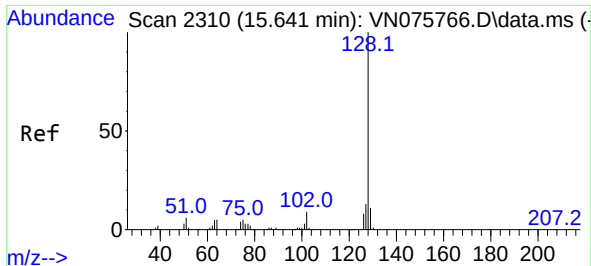
Tgt Ion: 75 Resp: 102505
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.962 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

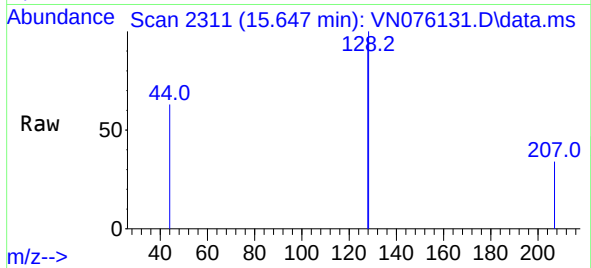
Tgt Ion: 75 Resp: 102505
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.261 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076131.D
Acq: 06 Jan 2023 14:12

Instrument :
MSVOA_N
ClientSampleId :
TP-205



Tgt Ion:	128	Resp:	953
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.7	13.1#

