

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010623\
 Data File : VN076141.D
 Acq On : 06 Jan 2023 18:12
 Operator : JC\MD
 Sample : 01061-11 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-3

Quant Time: Jan 06 22:57:40 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)

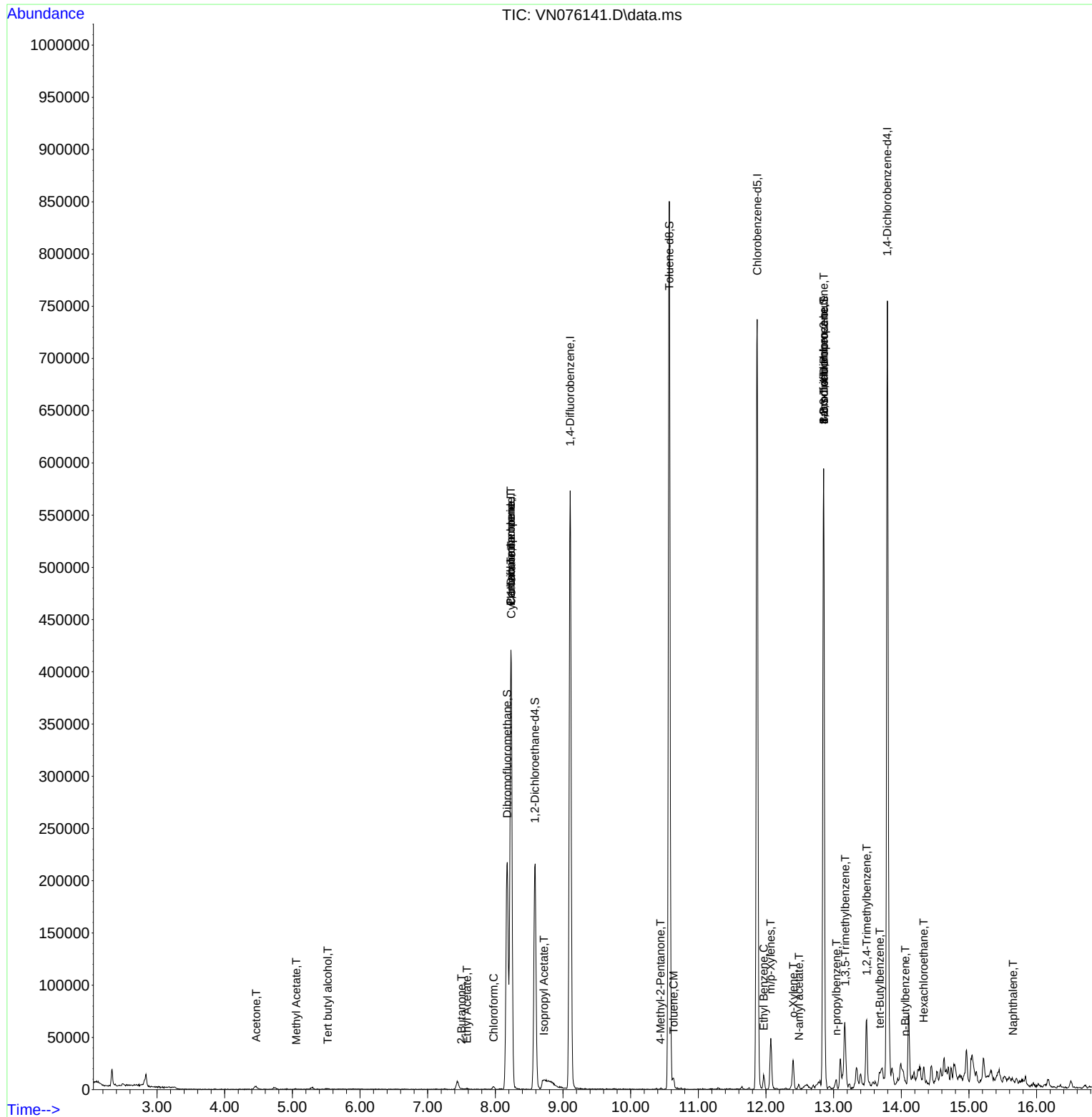
Internal Standards						
1) Pentafluorobenzene	8.230	168	321723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	529971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	460006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	210850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	175360	50.102	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.200%	
35) Dibromofluoromethane	8.177	113	158435	48.273	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.540%	
50) Toluene-d8	10.571	98	608025	49.549	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.100%	
62) 4-Bromofluorobenzene	12.853	95	196246	48.285	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	276	0.557	ug/l #	72
16) Acetone	4.465	43	6259	5.188	ug/l	91
18) Methyl Acetate	5.059	43	732	0.205	ug/l #	60
20) Methylene Chloride	5.300	84	1626	Below Cal	#	71
25) 2-Butanone	7.500	43	1154	0.683	ug/l #	40
30) Chloroform	7.977	83	2967	0.488	ug/l	95
31) Cyclohexane	8.235	56	6238	1.244	ug/l #	2
36) 1,1-Dichloropropene	8.230	75	23586	5.410	ug/l #	50
37) Ethyl Acetate	7.583	43	1843	0.526	ug/l #	69
38) Carbon Tetrachloride	8.230	117	32670	6.695	ug/l #	15
43) Isopropyl Acetate	8.718	43	9462	1.638	ug/l #	50
51) 4-Methyl-2-Pentanone	10.441	43	875	0.250	ug/l #	58
52) Toluene	10.635	92	3921	0.448	ug/l	93
67) Ethyl Benzene	11.965	91	9525	0.598	ug/l	96
68) m/p-Xylenes	12.071	106	12855	2.038	ug/l	99
69) o-Xylene	12.406	106	7845	1.257	ug/l	96
71) Bromoform	12.853	173	1686	0.663	ug/l #	1
74) N-amyl acetate	12.488	43	1201	0.269	ug/l #	53
76) 1,2,3-Trichloropropane	12.853	75	101837	23.960	ug/l #	1
78) n-propylbenzene	13.041	91	6294	0.375	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	10103	0.792	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.853	75	101837	86.245	ug/l #	12
83) tert-Butylbenzene	13.682	119	3266	0.290	ug/l	74
84) 1,2,4-Trimethylbenzene	13.488	105	39997	3.162	ug/l	100
89) n-Butylbenzene	14.059	91	2673	0.256	ug/l #	82
90) Hexachloroethane	14.329	117	1151	0.498	ug/l #	11
95) Naphthalene	15.653	128	4039	2.514	ug/l #	71

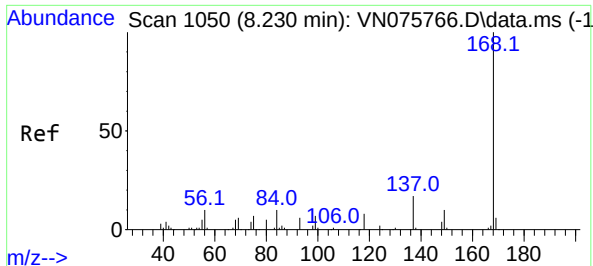
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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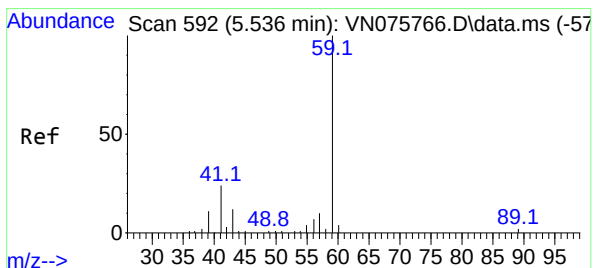
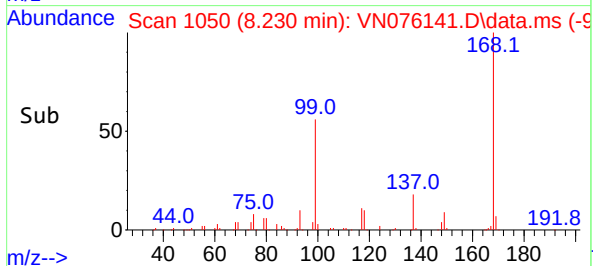
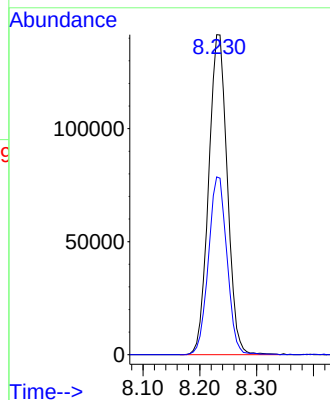
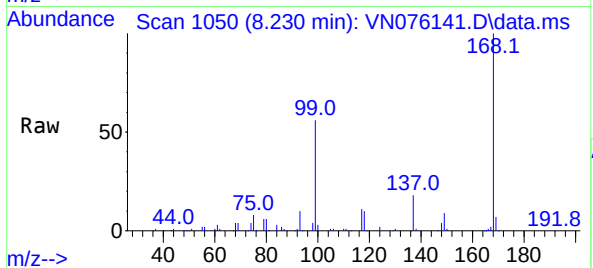




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

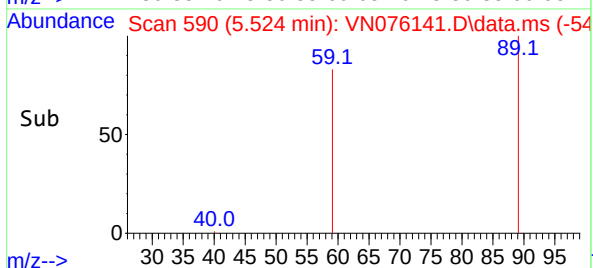
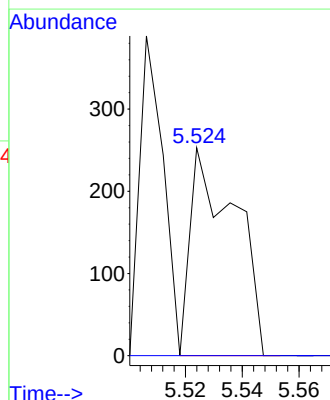
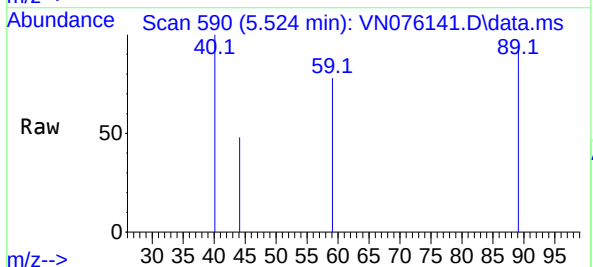
Instrument :
MSVOA_N
ClientSampleId :
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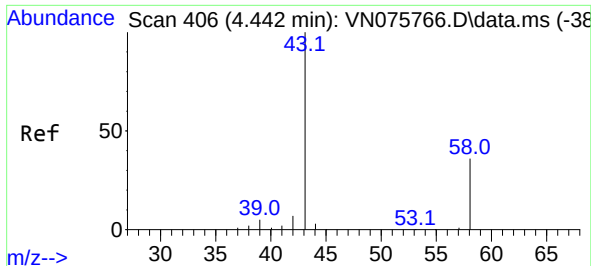
Tgt Ion:168 Resp: 321723
Ion Ratio Lower Upper
168 100
99 55.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.557 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.012 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion: 59 Resp: 276
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

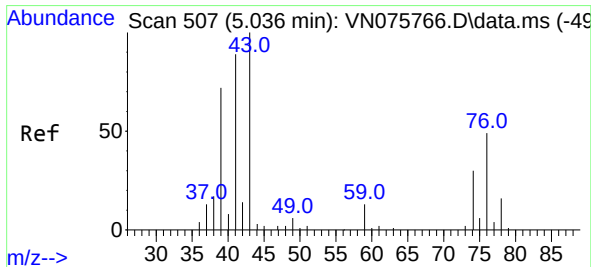
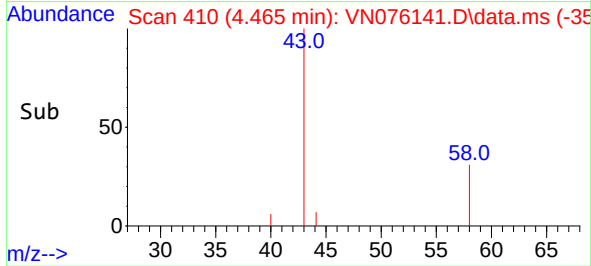
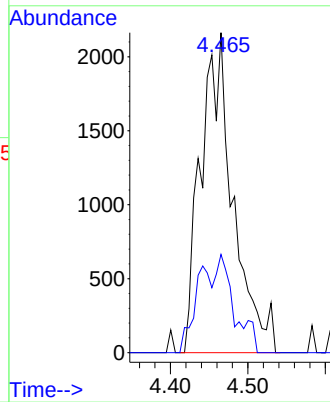
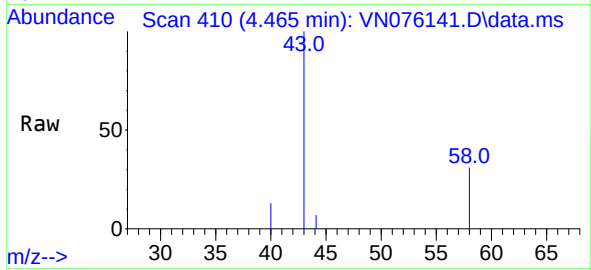




#16
Acetone
Concen: 5.188 ug/l
RT: 4.465 min Scan# 411
Delta R.T. 0.024 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

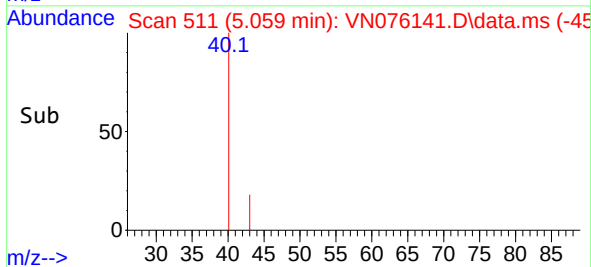
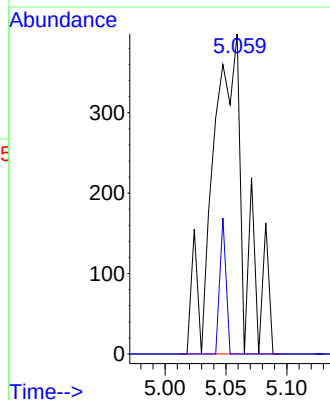
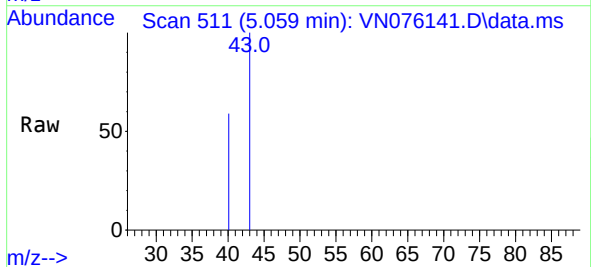
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MSVOA_N
ClientSampleId :
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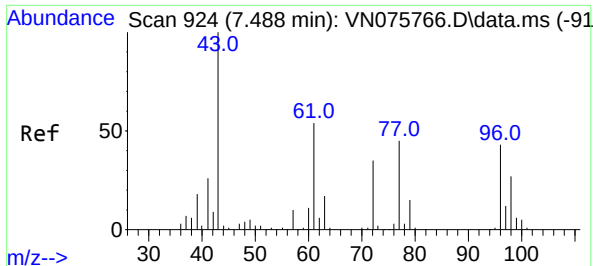
Tgt Ion: 43 Resp: 6259
Ion Ratio Lower Upper
43 100
58 30.7 28.6 43.0



#18
Methyl Acetate
Concen: 0.205 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.024 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
74 8.2 23.6 35.4#

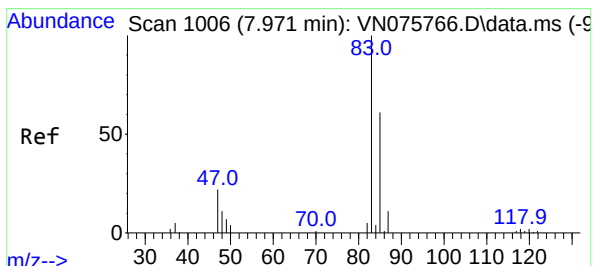
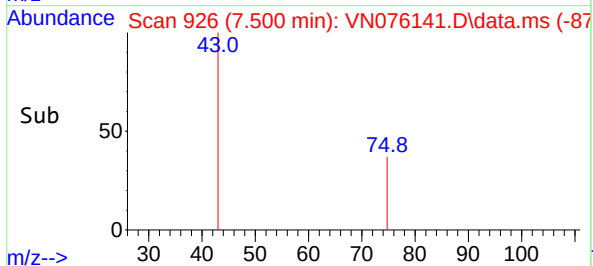
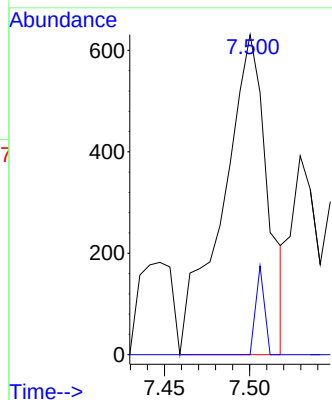
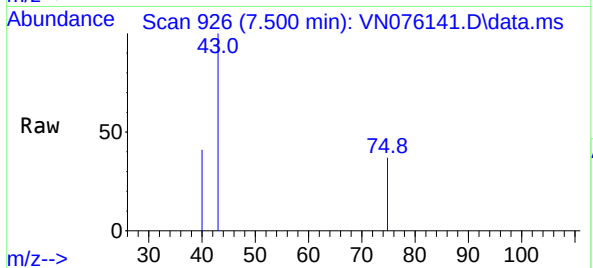




#25
2-Butanone
Concen: 0.683 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

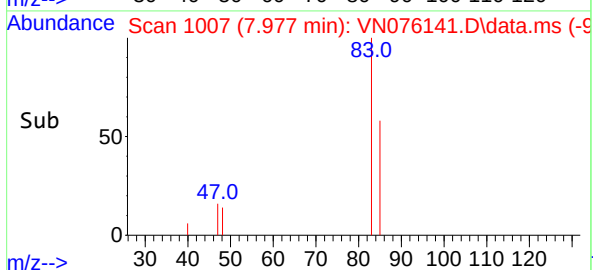
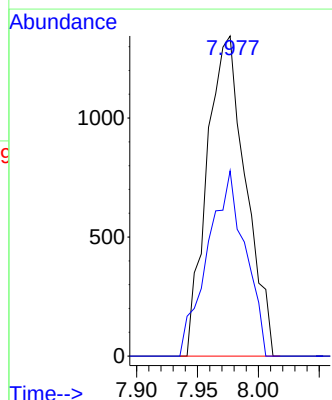
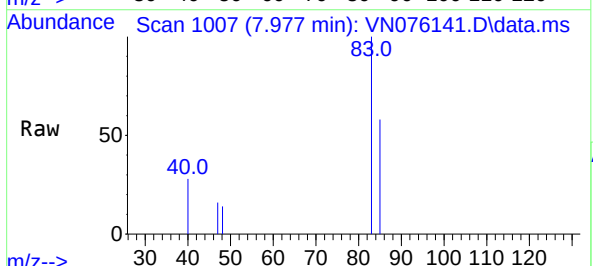
Instrument :
MSVOA_N
ClientSampleId :
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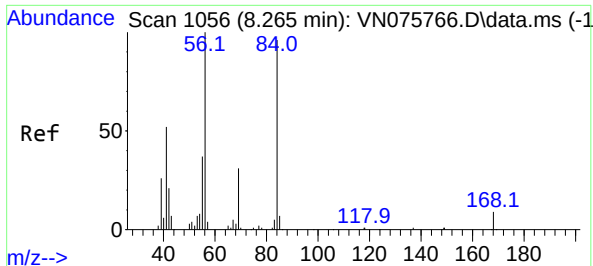
Tgt Ion: 43 Resp: 1154
Ion Ratio Lower Upper
43 100
72 0.0 28.0 42.0#



#30
Chloroform
Concen: 0.488 ug/l
RT: 7.977 min Scan# 1007
Delta R.T. 0.006 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion: 83 Resp: 2967
Ion Ratio Lower Upper
83 100
85 57.8 49.1 73.7

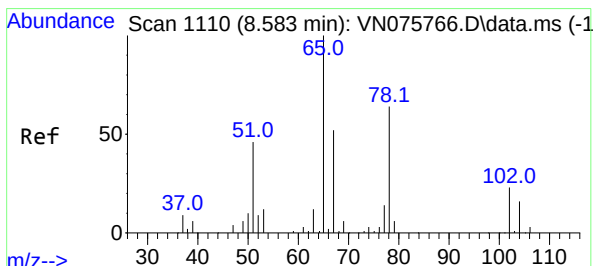
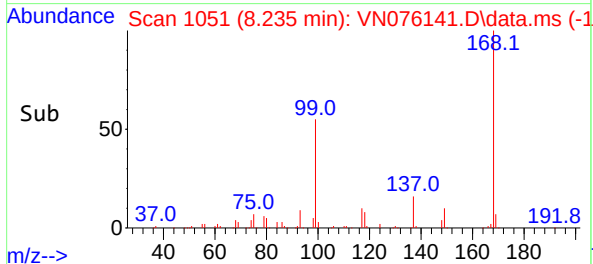
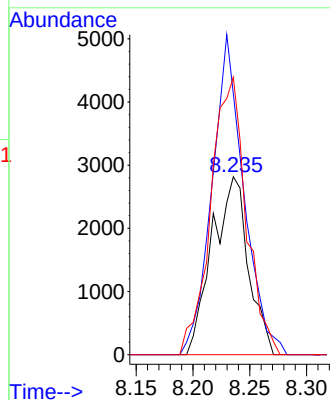
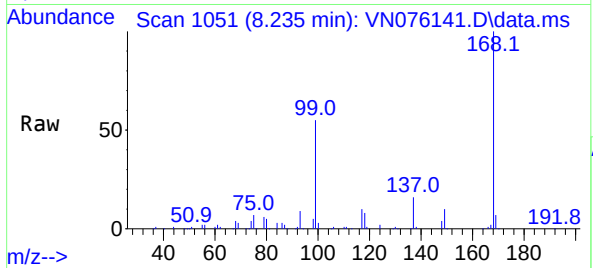




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

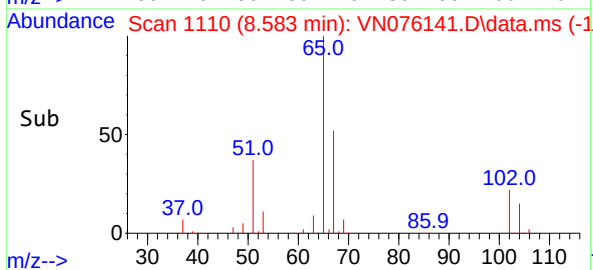
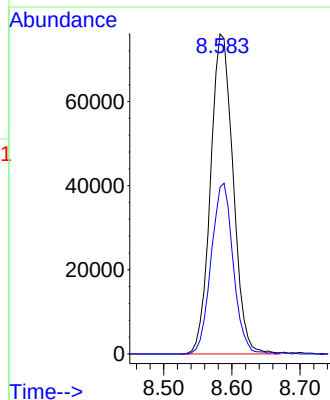
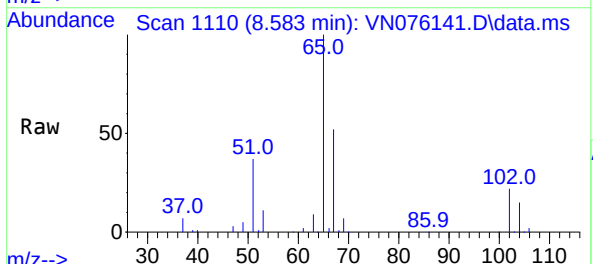
Instrument :
MSVOA_N
ClientSampleId :
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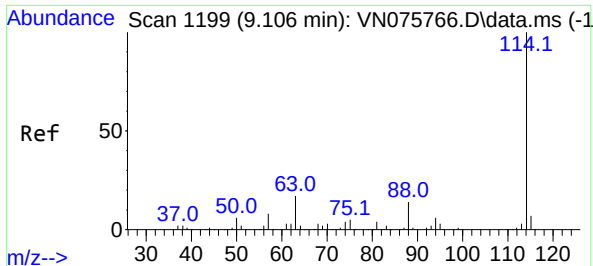
Tgt Ion: 56 Resp: 6238
Ion Ratio Lower Upper
56 100
69 146.7 24.7 37.1#
84 155.9 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 50.102 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion: 65 Resp: 175360
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

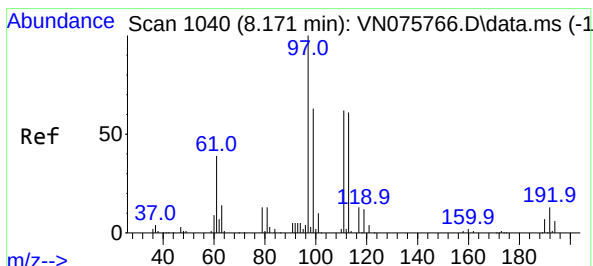
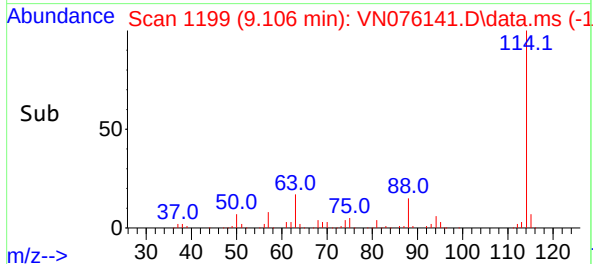
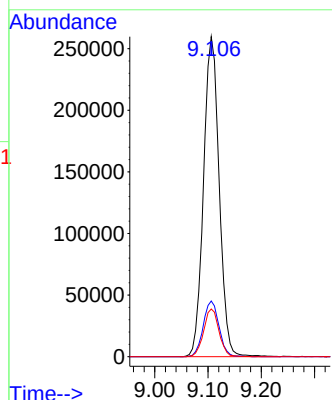
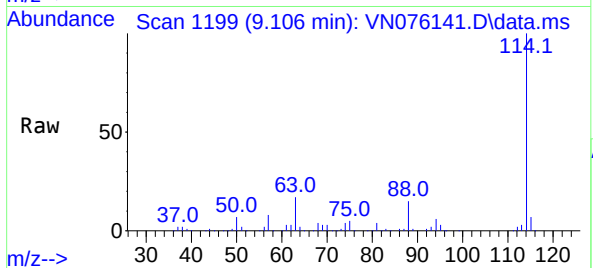




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

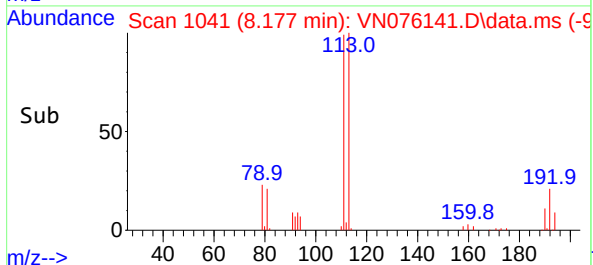
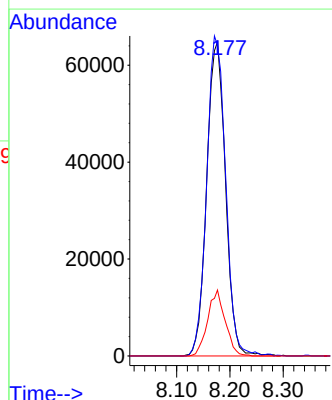
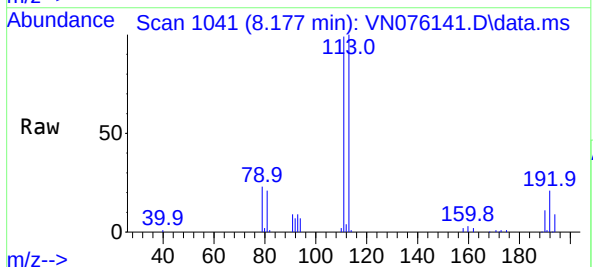
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MSVOA_N
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TOTE-3

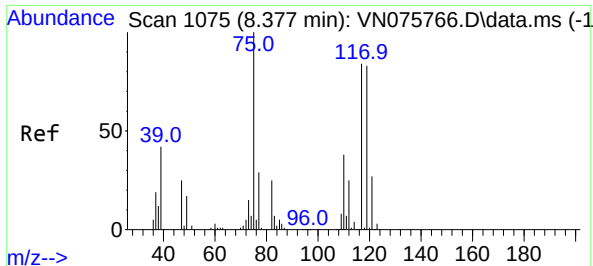
Tgt Ion:114 Resp: 529971
Ion Ratio Lower Upper
114 100
63 17.4 0.0 34.4
88 14.9 0.0 28.8



#35
Dibromofluoromethane
Concen: 48.273 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion:113 Resp: 158435
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.2
192 19.6 16.1 24.1

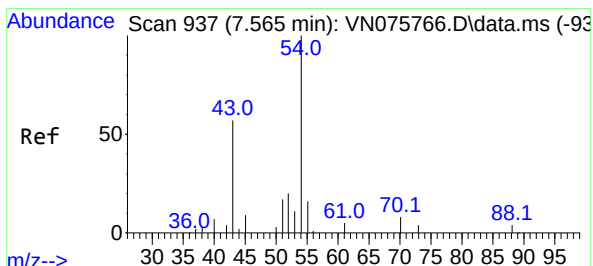
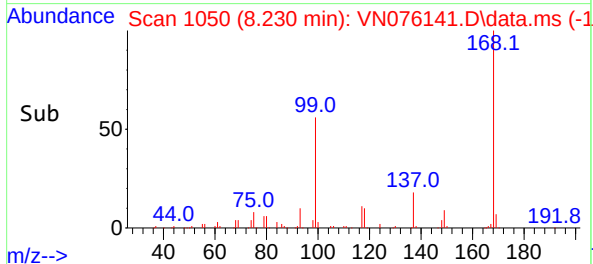
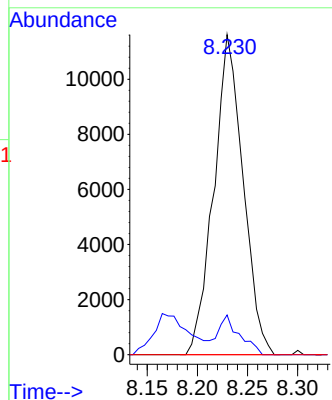
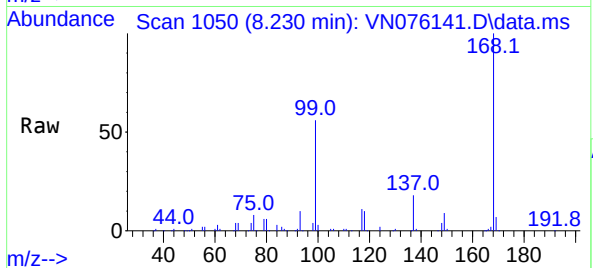




#36
1,1-Dichloropropene
Concen: 5.410 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

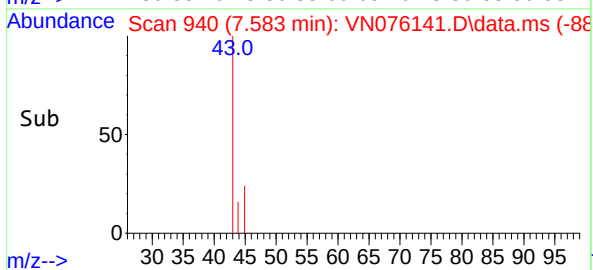
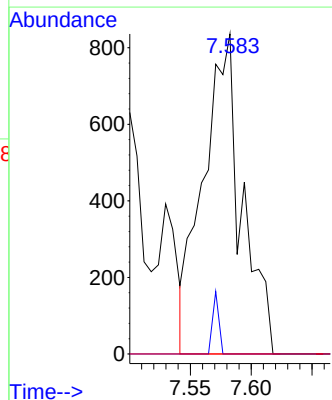
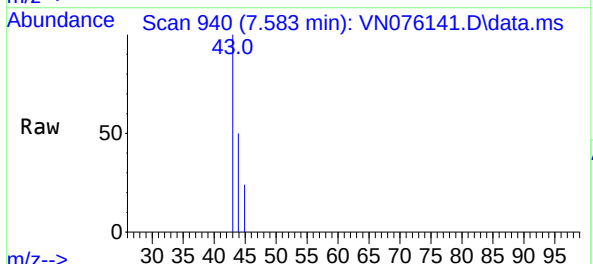
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TOTE-3

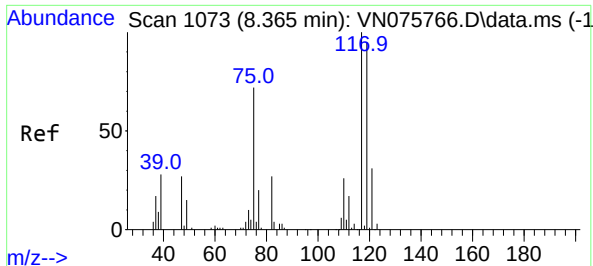
Tgt Ion: 75 Resp: 23586
Ion Ratio Lower Upper
75 100
110 9.7 18.8 56.4#
77 0.0 24.1 36.1#



#37
Ethyl Acetate
Concen: 0.526 ug/l
RT: 7.583 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion: 43 Resp: 1843
Ion Ratio Lower Upper
43 100
61 3.1 13.0 19.4#
70 0.0 9.4 14.0#

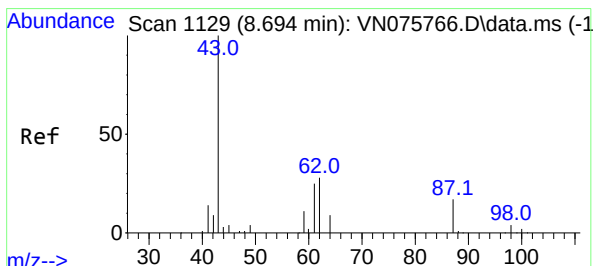
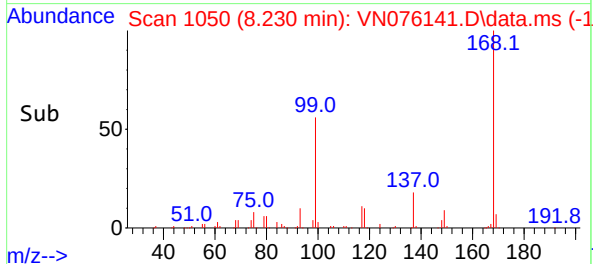
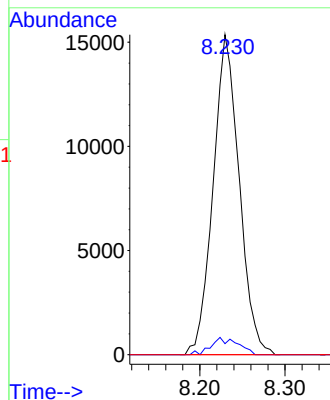
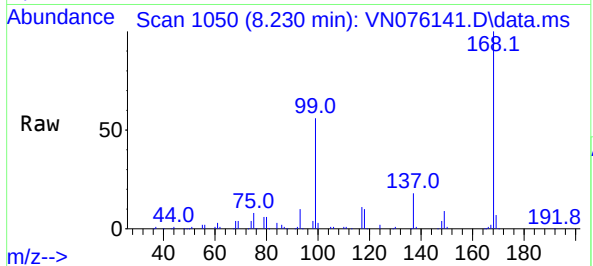




#38
Carbon Tetrachloride
Concen: 6.695 ug/l
RT: 8.230 min Scan# 1103
Delta R.T. -0.135 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

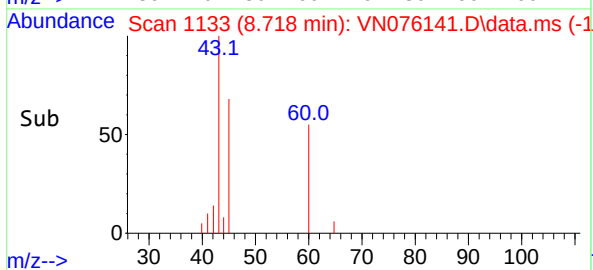
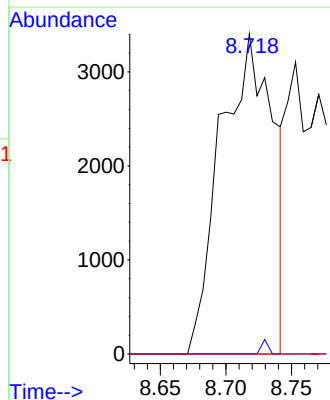
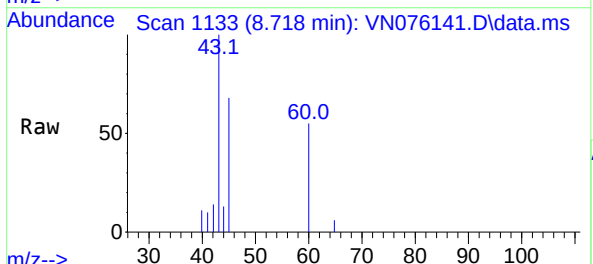
Instrument :
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TOTE-3

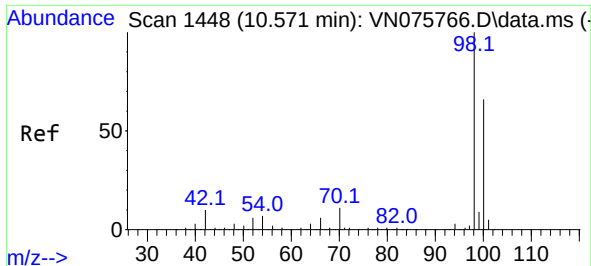
Tgt Ion:117 Resp: 32670
Ion Ratio Lower Upper
117 100
119 3.4 76.1 114.1#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 1.638 ug/l
RT: 8.718 min Scan# 1133
Delta R.T. 0.024 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion: 43 Resp: 9462
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#

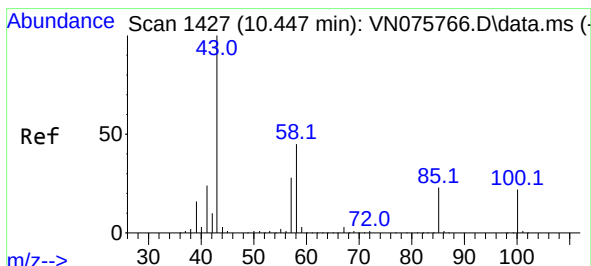
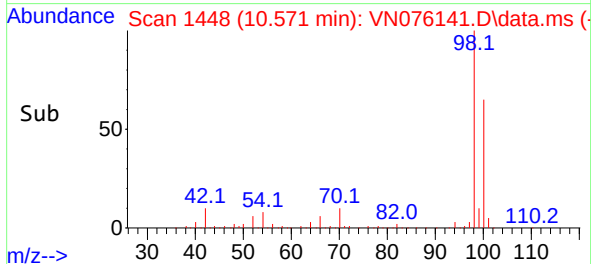
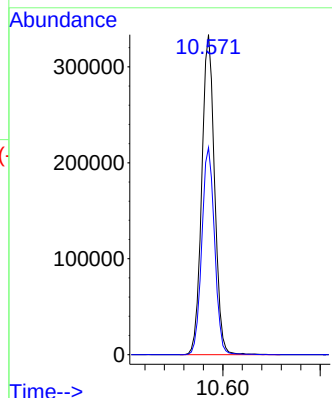
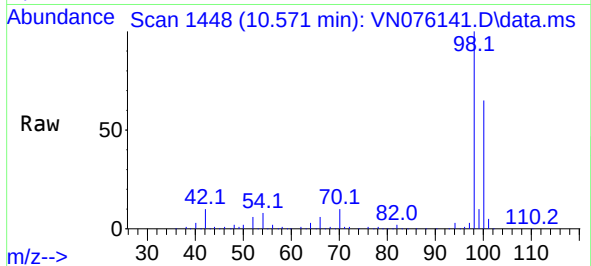




#50
Toluene-d8
Concen: 49.549 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

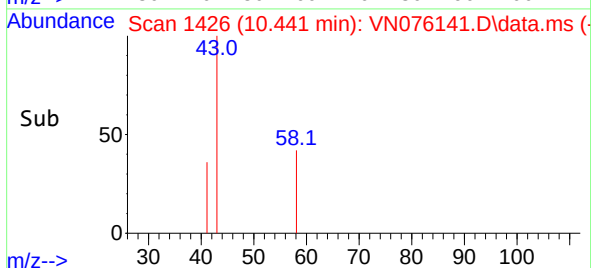
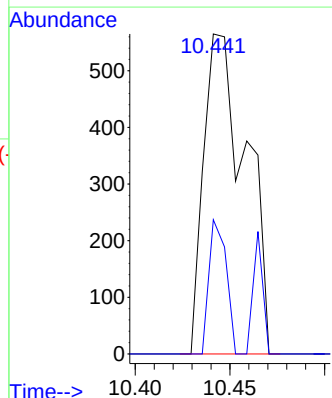
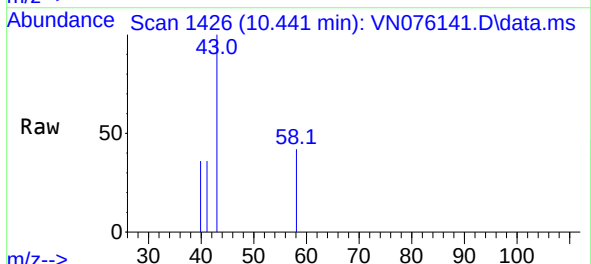
Instrument :
MSVOA_N
ClientSampleId :
TOTE-3

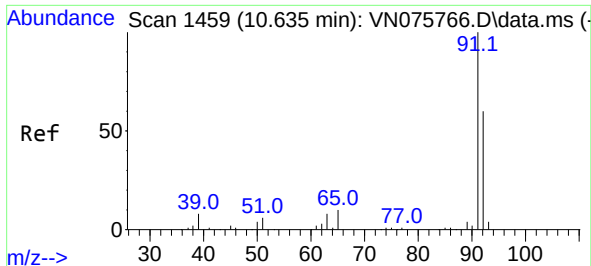
Tgt Ion: 98 Resp: 608025
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.250 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
58 17.1 35.5 53.3#

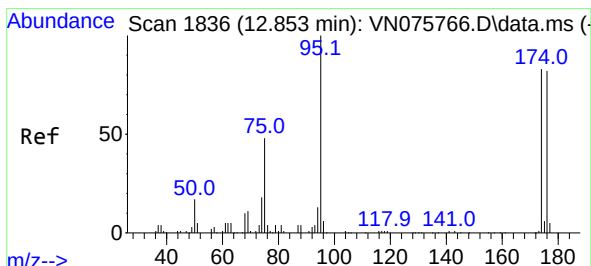
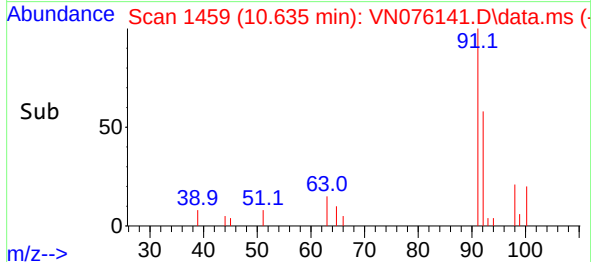
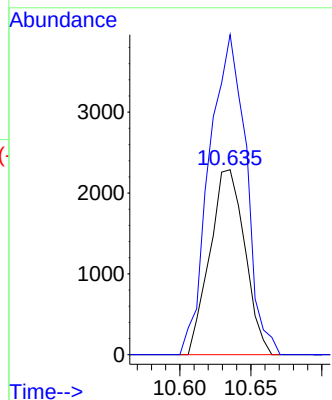
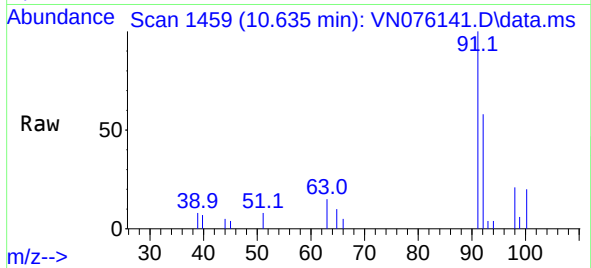




#52
Toluene
Concen: 0.448 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

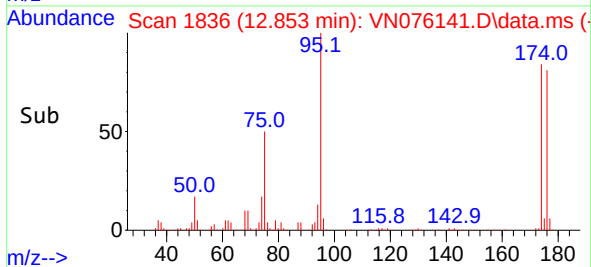
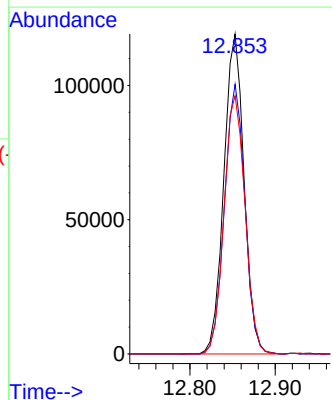
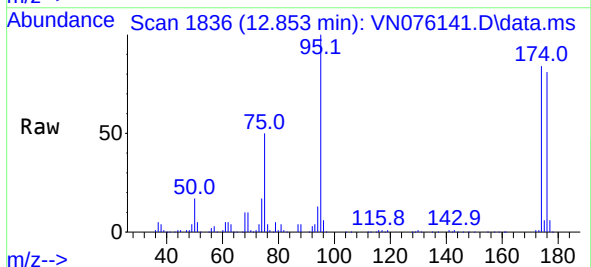
Instrument :
MSVOA_N
ClientSampleId :
TOTE-3

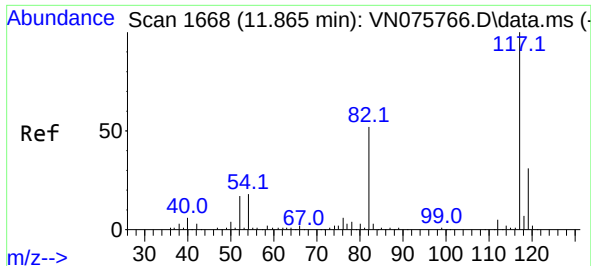
Tgt Ion: 92 Resp: 3921
Ion Ratio Lower Upper
92 100
91 181.8 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 48.285 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion: 95 Resp: 196246
Ion Ratio Lower Upper
95 100
174 84.9 0.0 171.6
176 83.9 0.0 169.2

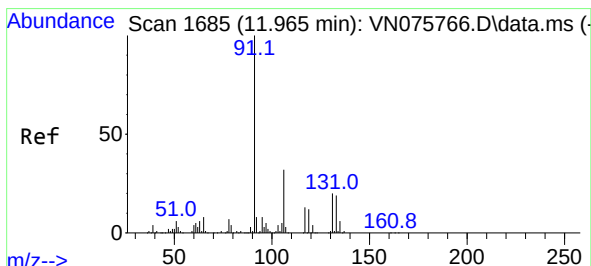
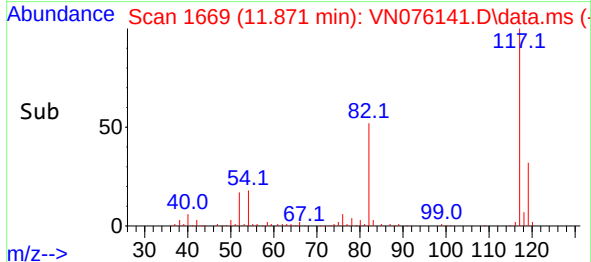
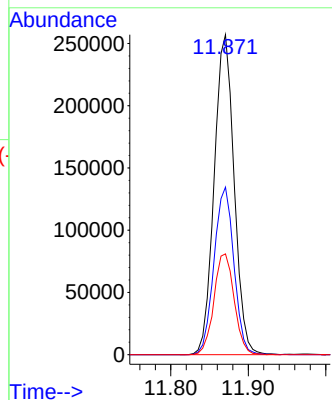
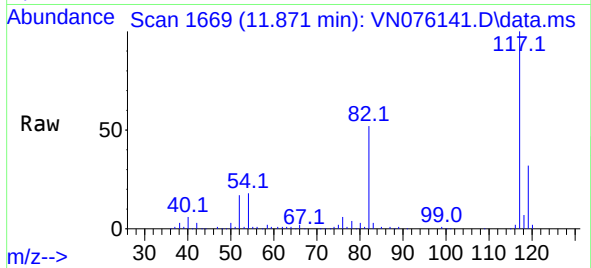




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

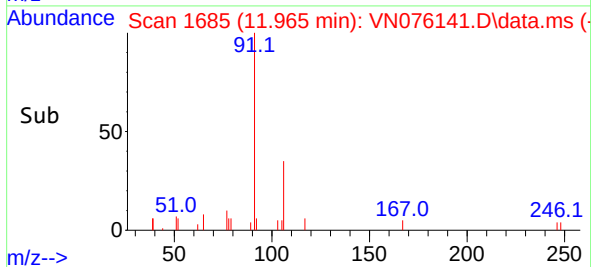
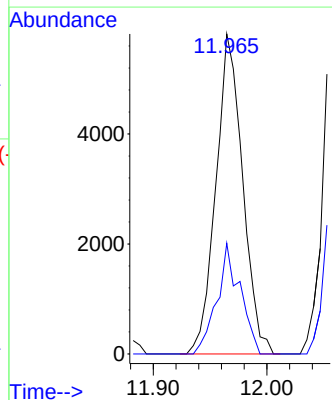
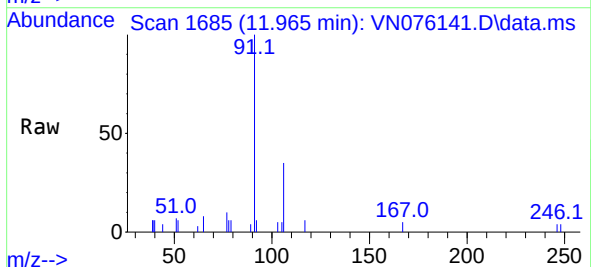
Instrument :
MSVOA_N
ClientSampleId :
TOTE-3

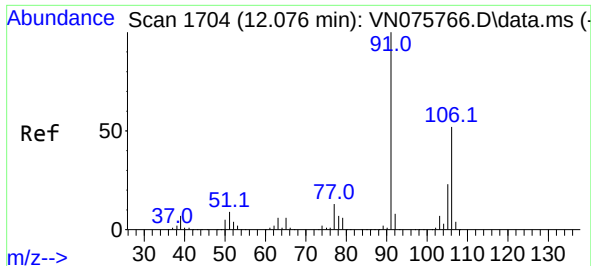
Tgt Ion:117 Resp: 460006
Ion Ratio Lower Upper
117 100
82 52.4 41.3 61.9
119 31.5 24.6 37.0



#67
Ethyl Benzene
Concen: 0.598 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion: 91 Resp: 9525
Ion Ratio Lower Upper
91 100
106 34.6 25.7 38.5

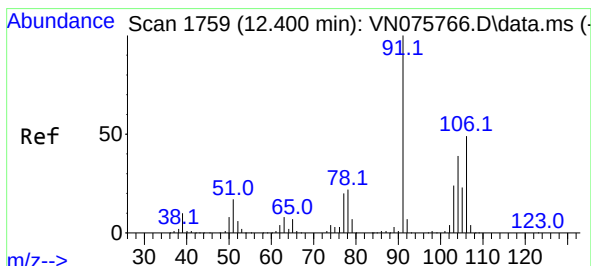
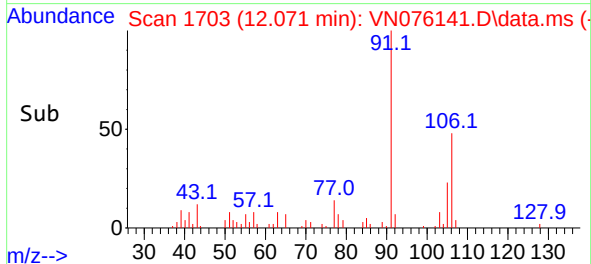
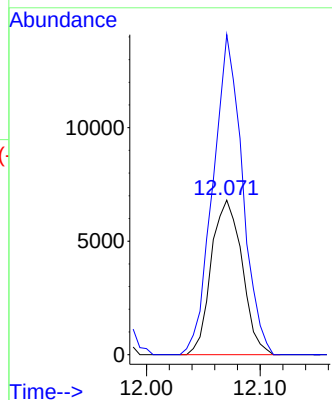
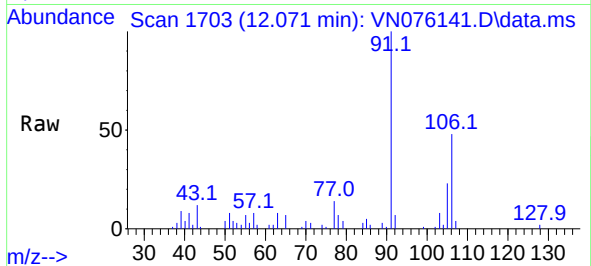




#68
m/p-Xylenes
Concen: 2.038 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

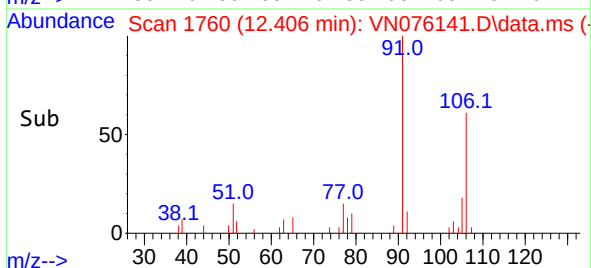
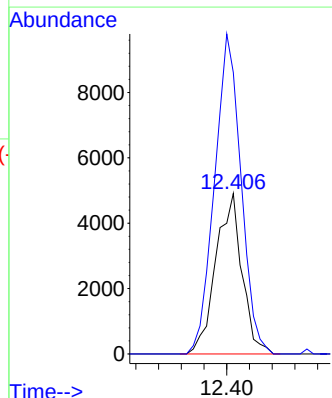
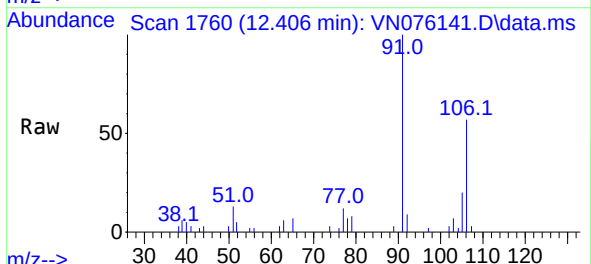
Instrument :
MSVOA_N
ClientSampleId :
TOTE-3

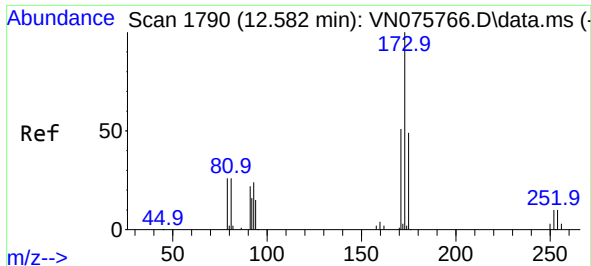
Tgt Ion:106 Resp: 12855
Ion Ratio Lower Upper
106 100
91 197.7 156.6 235.0



#69
o-Xylene
Concen: 1.257 ug/l
RT: 12.406 min Scan# 1760
Delta R.T. 0.006 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion:106 Resp: 7845
Ion Ratio Lower Upper
106 100
91 202.1 103.8 311.6

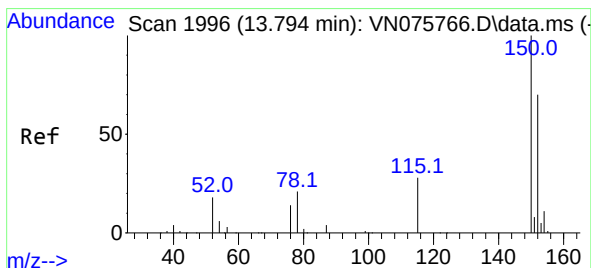
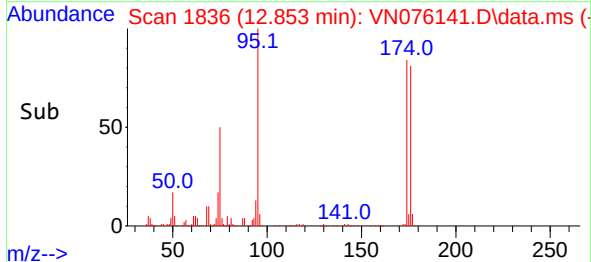
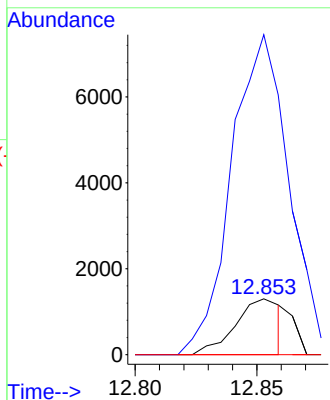
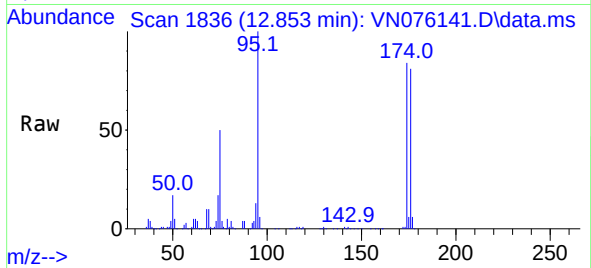




#71
Bromoform
Concen: 0.663 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

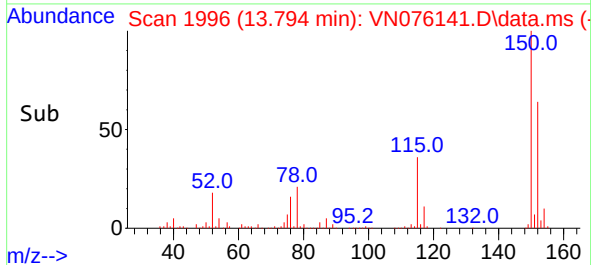
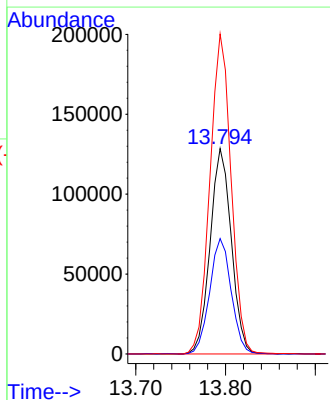
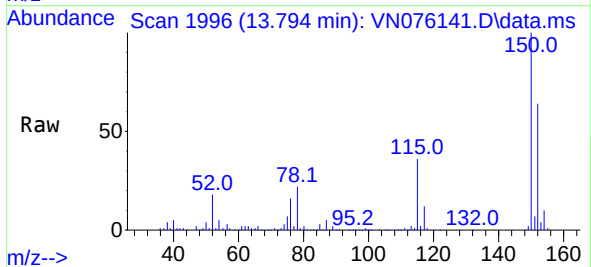
Instrument :
MSVOA_N
ClientSampleId :
TOTE-3

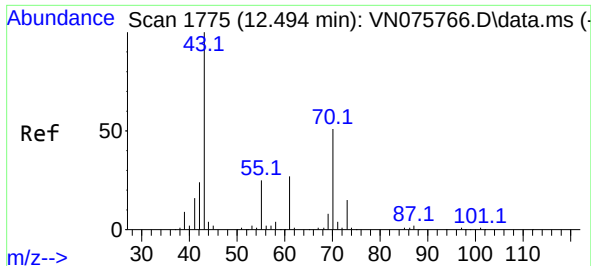
Tgt Ion:173 Resp: 1686
Ion Ratio Lower Upper
173 100
175 601.9 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion:152 Resp: 210850
Ion Ratio Lower Upper
152 100
115 57.2 29.1 87.4
150 155.6 0.0 347.0

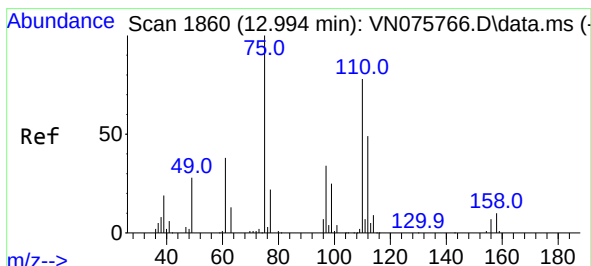
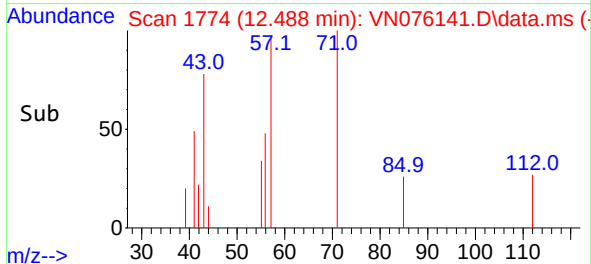
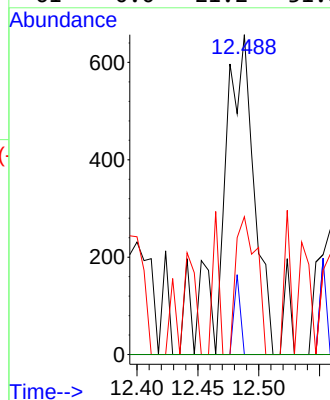
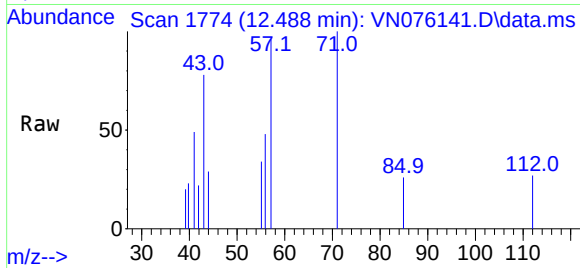




#74
N-amy1 acetate
Concen: 0.269 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

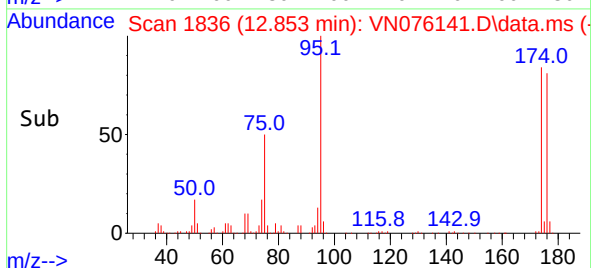
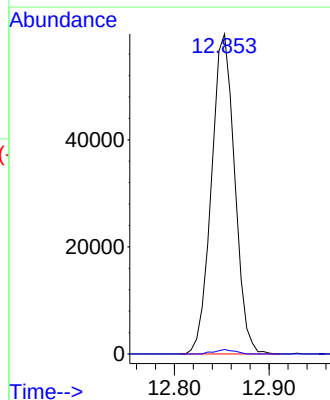
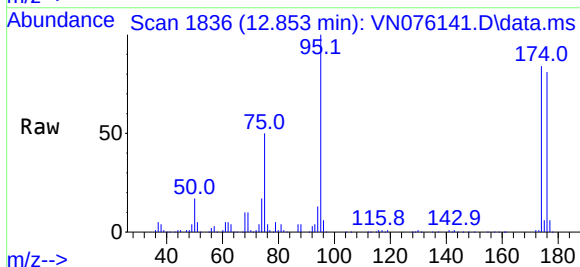
Instrument :
MSVOA_N
ClientSampleId :
TOTE-3

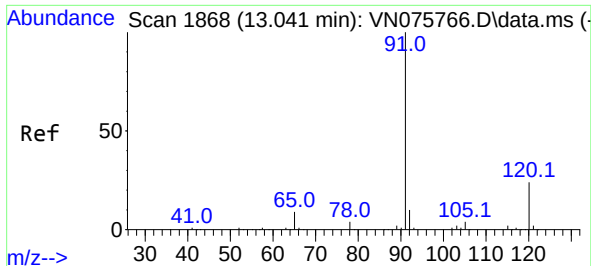
Tgt Ion: 43 Resp: 1201
Ion Ratio Lower Upper
43 100
70 4.8 41.4 62.0#
55 27.9 21.3 31.9
61 0.0 21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 23.960 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion: 75 Resp: 101837
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

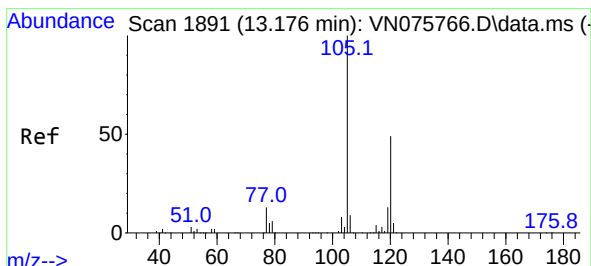
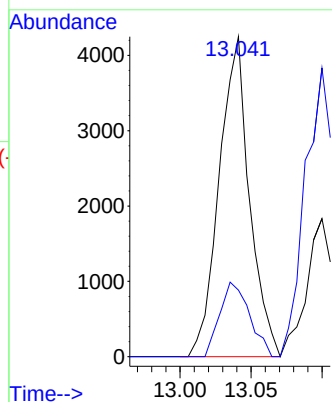




#78
n-propylbenzene
Concen: 0.375 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

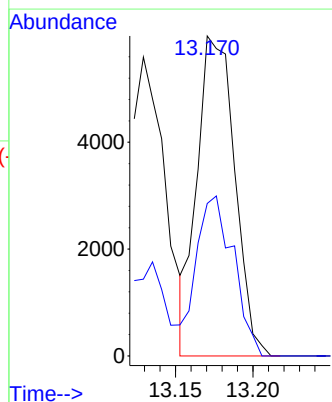
Instrument :
MSVOA_N
ClientSampleId :
TOTE-3

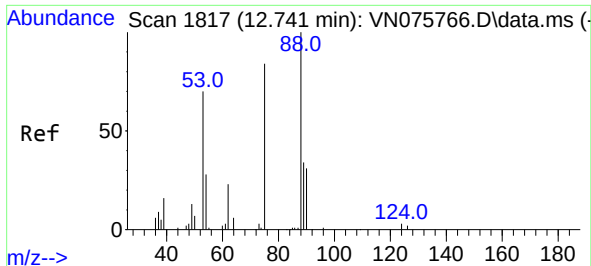
Tgt Ion: 91 Resp: 6294
Ion Ratio Lower Upper
91 100
120 22.9 12.0 36.1



#80
1,3,5-Trimethylbenzene
Concen: 0.792 ug/l
RT: 13.170 min Scan# 1890
Delta R.T. -0.006 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion: 105 Resp: 10103
Ion Ratio Lower Upper
105 100
120 51.0 24.7 74.1

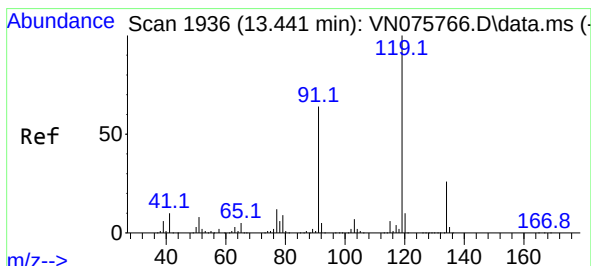
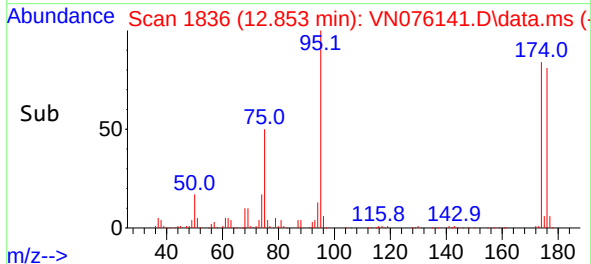
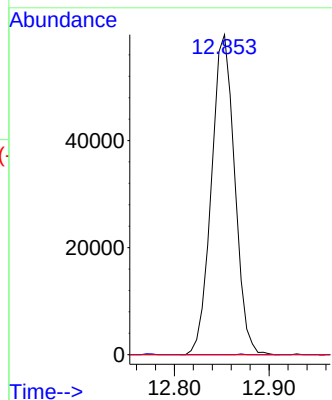
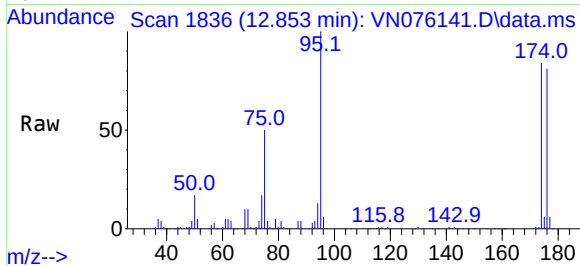




#81
trans-1,4-Dichloro-2-butene
Concen: 86.245 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

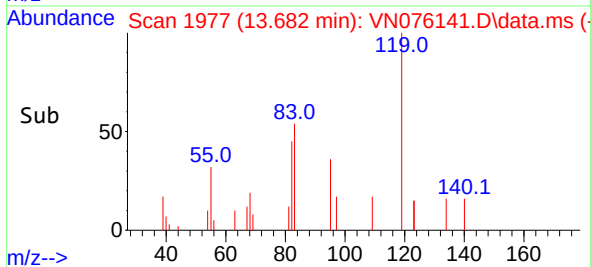
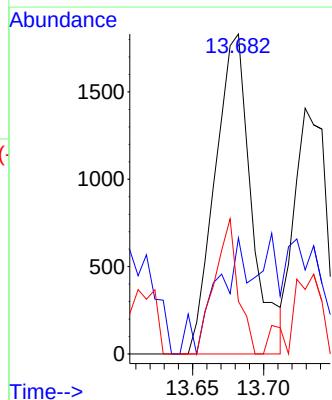
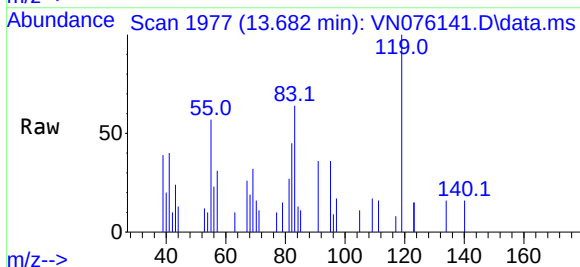
Instrument :
MSVOA_N
ClientSampleId :
TOTE-3

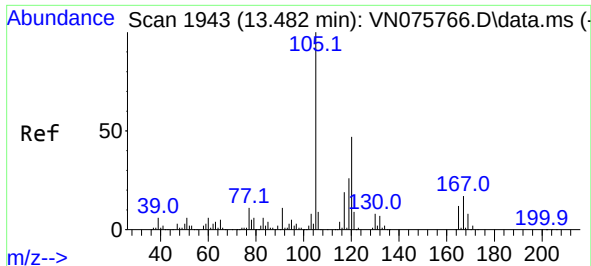
Tgt Ion: 75 Resp: 101837
Ion Ratio Lower Upper
75 100
53 0.1 73.8 110.6#
89 0.0 39.5 59.3#



#83
tert-Butylbenzene
Concen: 0.290 ug/l
RT: 13.682 min Scan# 1977
Delta R.T. 0.241 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion: 119 Resp: 3266
Ion Ratio Lower Upper
119 100
91 34.4 31.9 95.5
134 27.2 13.8 41.4

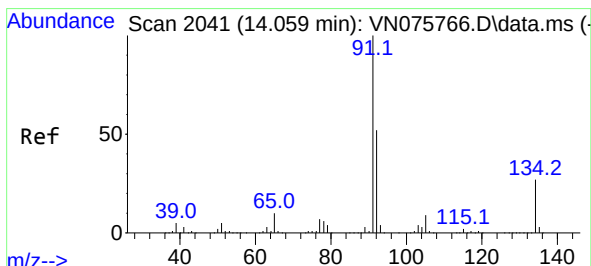
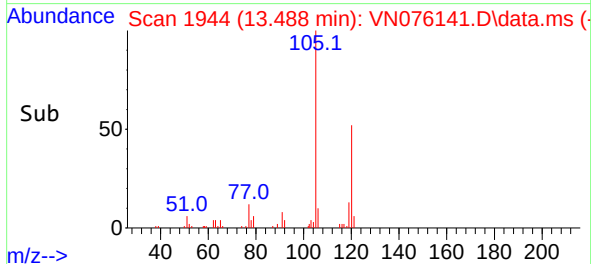
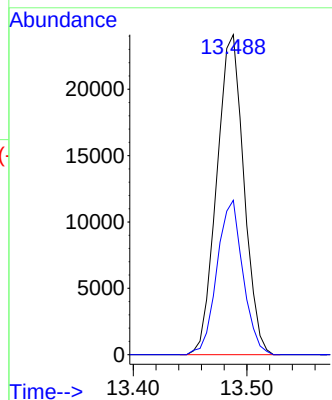
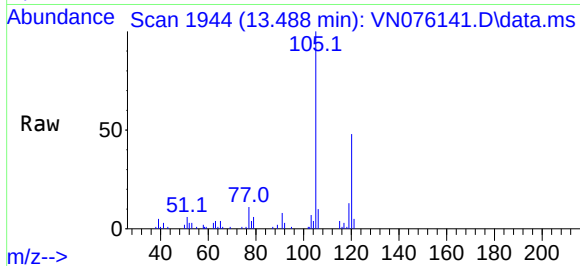




#84
1,2,4-Trimethylbenzene
Concen: 3.162 ug/l
RT: 13.488 min Scan# 1943
Delta R.T. 0.006 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

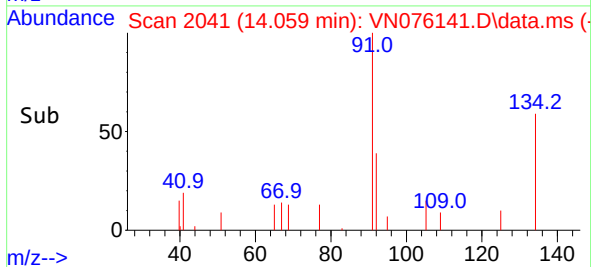
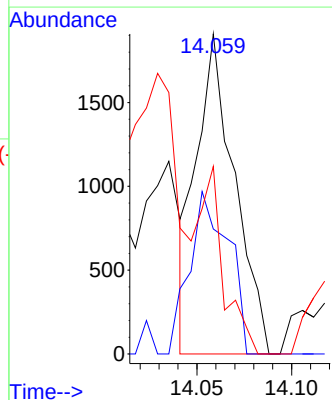
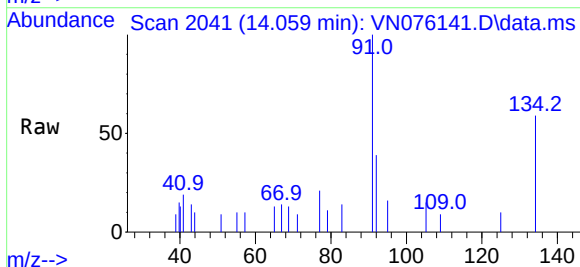
Instrument :
MSVOA_N
ClientSampleId :
TOTE-3

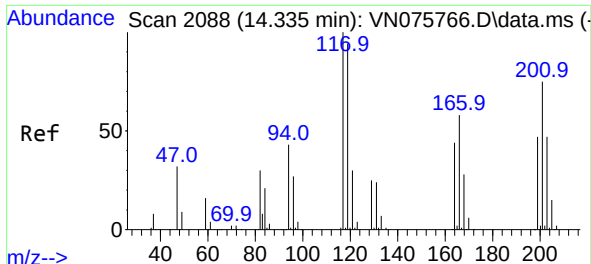
Tgt Ion:105 Resp: 39997
Ion Ratio Lower Upper
105 100
120 46.3 23.3 69.8



#89
n-Butylbenzene
Concen: 0.256 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion: 91 Resp: 2673
Ion Ratio Lower Upper
91 100
92 52.1 26.4 79.2
134 0.0 13.4 40.2#

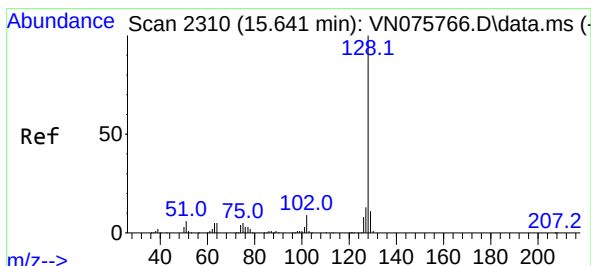
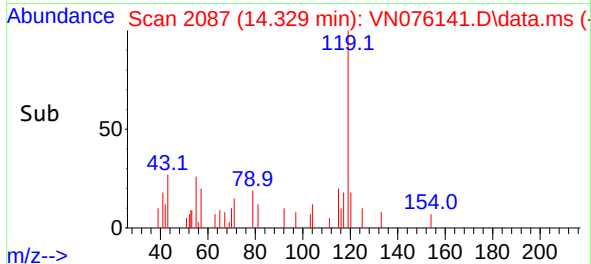
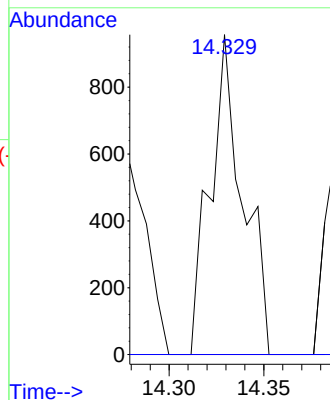
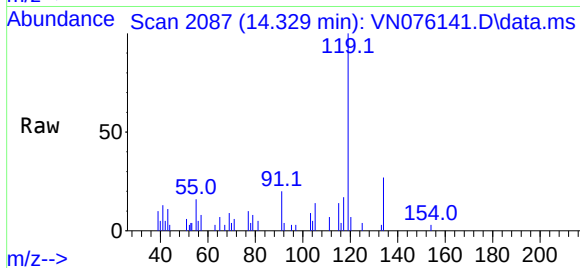




#90
Hexachloroethane
Concen: 0.498 ug/l
RT: 14.329 min Scan# 2087
Delta R.T. -0.006 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Instrument :
MSVOA_N
ClientSampleId :
TOTE-3

Tgt Ion:117 Resp: 1151
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.1#



#95
Naphthalene
Concen: 2.514 ug/l
RT: 15.653 min Scan# 2312
Delta R.T. 0.012 min
Lab File: VN076141.D
Acq: 06 Jan 2023 18:12

Tgt Ion:128 Resp: 4039
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 2.0 8.7 13.1#

