

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022323\
 Data File : VN076795.D
 Acq On : 23 Feb 2023 16:01
 Operator : JC\MD
 Sample : PB151045TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151045TB

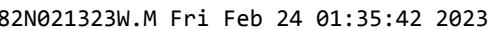
Quant Time: Feb 24 01:35:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

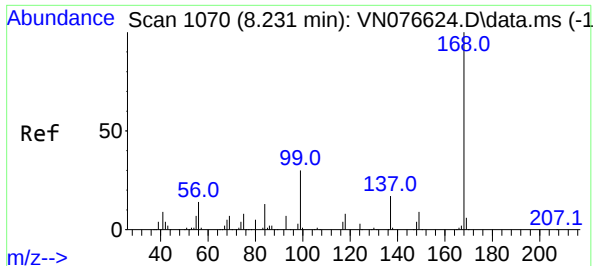
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.231	168	303991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	557608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	538283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	210334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	223843	53.326	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.660%	
35) Dibromofluoromethane	8.172	113	166839	45.688	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.380%	
50) Toluene-d8	10.572	98	697364	51.136	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.280%	
62) 4-Bromofluorobenzene	12.848	95	224835	49.778	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.560%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.972	94	583	0.232	ug/l #	53
11) Tert butyl alcohol	5.525	59	703	1.269	ug/l #	71
16) Acetone	4.443	43	57260	30.538	ug/l	92
18) Methyl Acetate	5.048	43	3276	0.535	ug/l #	81
20) Methylene Chloride	5.290	84	27375	6.966	ug/l	96
25) 2-Butanone	7.507	43	6753	2.442	ug/l	92
29) Tetrahydrofuran	7.842	42	450	0.249	ug/l #	61
31) Cyclohexane	8.225	56	8326	1.264	ug/l #	28
36) 1,1-Dichloropropene	8.231	75	27117	5.140	ug/l #	51
37) Ethyl Acetate	7.566	43	55080	9.922	ug/l	99
38) Carbon Tetrachloride	8.231	117	32575	6.120	ug/l #	16
42) 1,2-Dichloroethane	8.684	62	1393	0.247	ug/l #	74
43) Isopropyl Acetate	8.695	43	252642	27.969	ug/l #	89
48) Methyl methacrylate	9.672	41	7087	1.653	ug/l #	14
49) 1,4-Dioxane	9.736	88	570	7.688	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	23355	4.064	ug/l #	71
54) cis-1,3-Dichloropropene	10.360	75	80205	13.104	ug/l #	69
56) Ethyl methacrylate	10.977	69	2344	0.419	ug/l #	1
57) 1,3-Dichloropropane	11.201	76	10246	1.499	ug/l #	44
59) 2-Hexanone	11.172	43	226013	54.541	ug/l #	27
71) Bromoform	12.836	173	1562	0.514	ug/l #	1
74) N-amyl acetate	12.495	43	1972	0.284	ug/l #	46
76) 1,2,3-Trichloropropane	12.848	75	124540	29.287	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	124540	85.301	ug/l #	4

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

Quant Time: Feb 24 01:35:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
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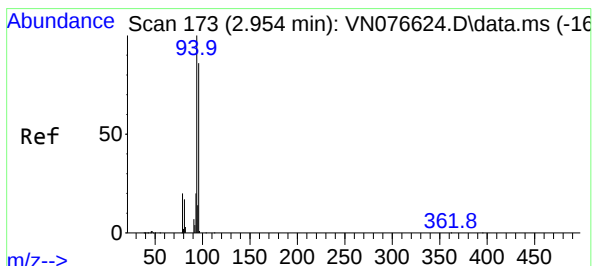
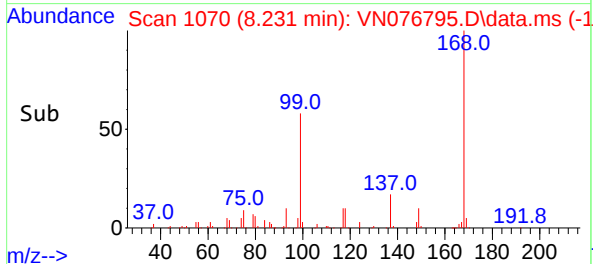
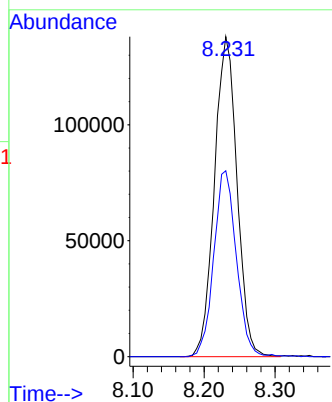
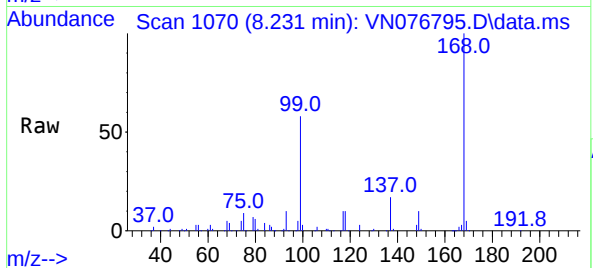




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

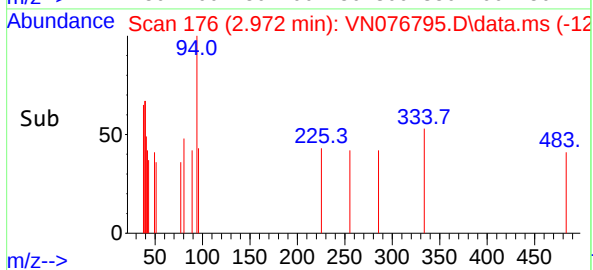
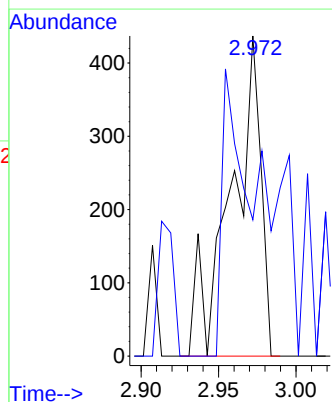
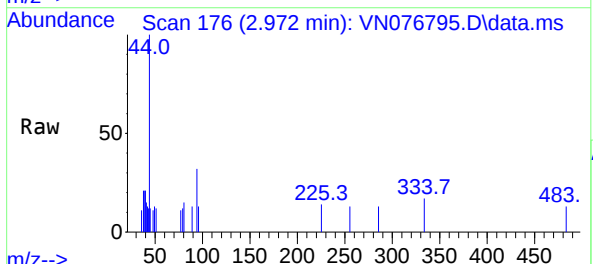
Instrument :
MSVOA_N
ClientSampleId :
PB151045TB

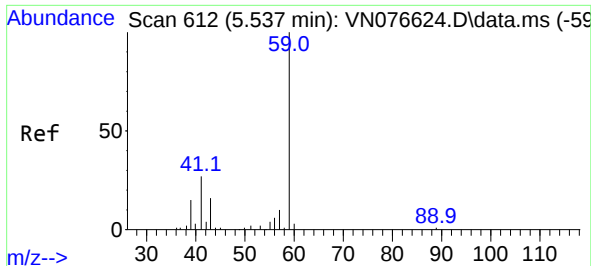
Tgt Ion:168 Resp: 303991
Ion Ratio Lower Upper
168 100
99 58.1 44.8 67.2



#5
Bromomethane
Concen: 0.232 ug/l
RT: 2.972 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Tgt Ion: 94 Resp: 583
Ion Ratio Lower Upper
94 100
96 42.6 69.0 103.4#

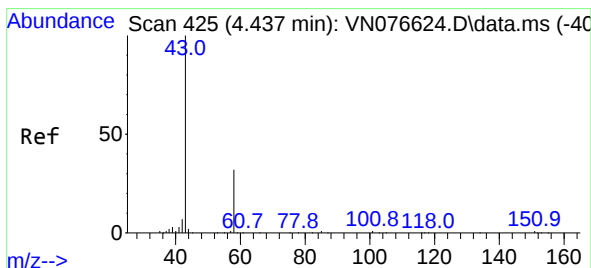
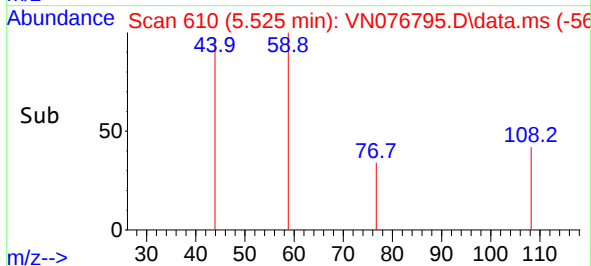
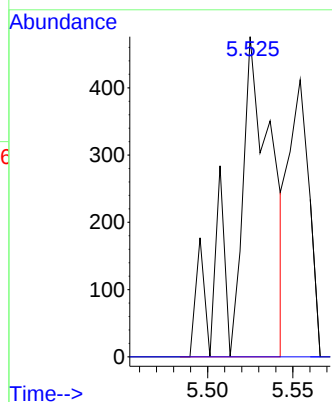
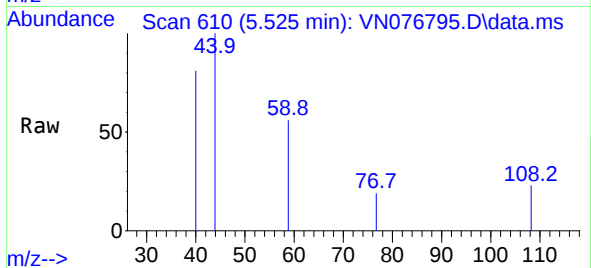




#11
Tert butyl alcohol
Concen: 1.269 ug/l
RT: 5.525 min Scan# 612
Delta R.T. -0.012 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

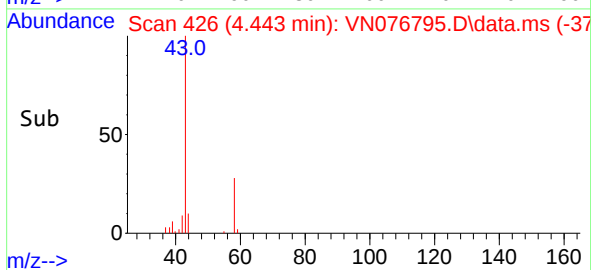
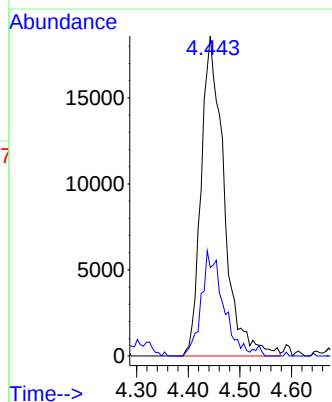
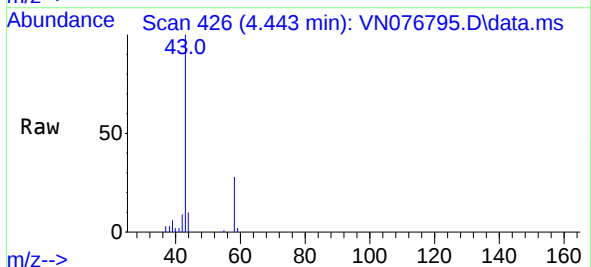
Instrument :
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ClientSampleId :
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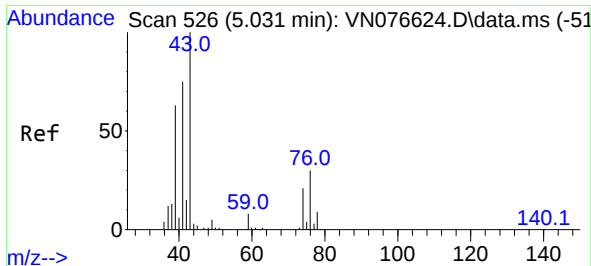
Tgt Ion: 59 Resp: 703
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 30.538 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.006 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Tgt Ion: 43 Resp: 57260
Ion Ratio Lower Upper
43 100
58 27.7 25.9 38.9

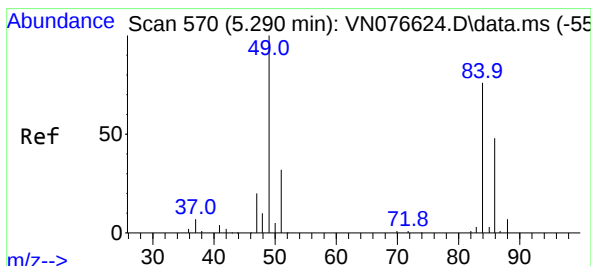
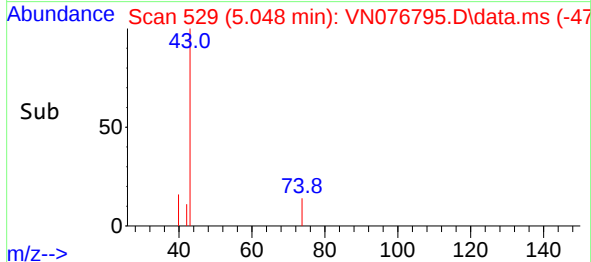
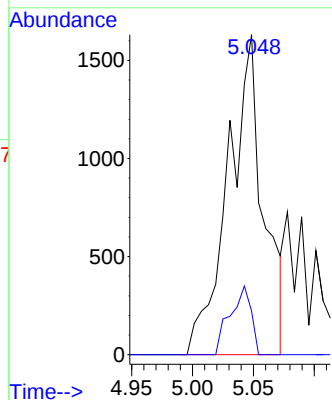
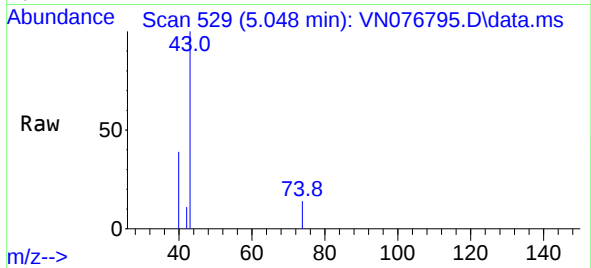




#18
Methyl Acetate
Concen: 0.535 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

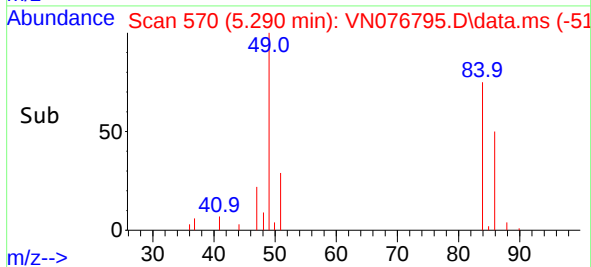
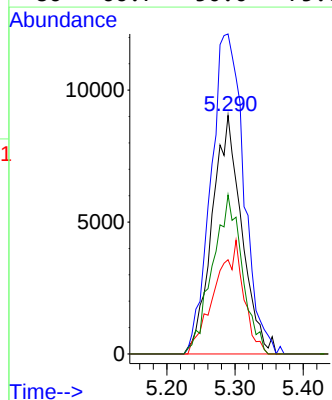
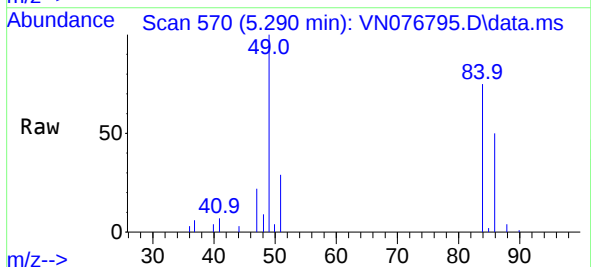
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ClientSampleId :
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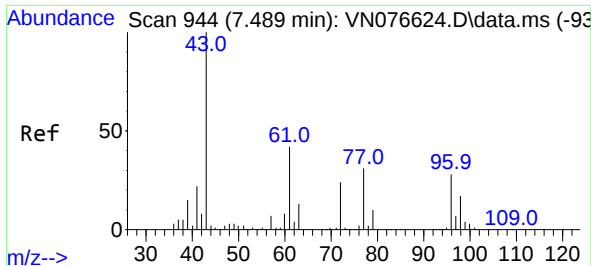
Tgt Ion: 43 Resp: 3276
Ion Ratio Lower Upper
43 100
74 12.9 17.7 26.5#



#20
Methylene Chloride
Concen: 6.966 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Tgt Ion: 84 Resp: 27375
Ion Ratio Lower Upper
84 100
49 134.2 104.9 157.3
51 39.5 33.8 50.8
86 66.7 50.0 75.0

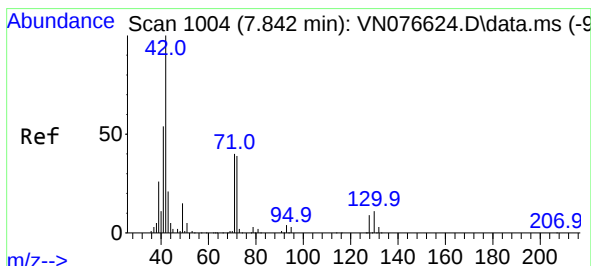
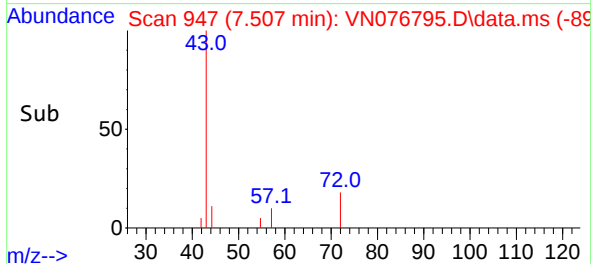
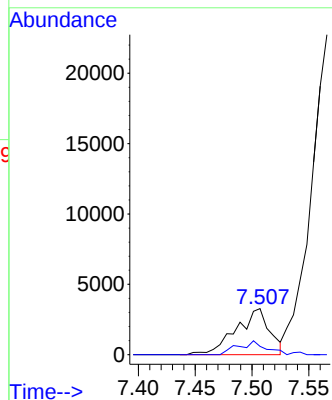
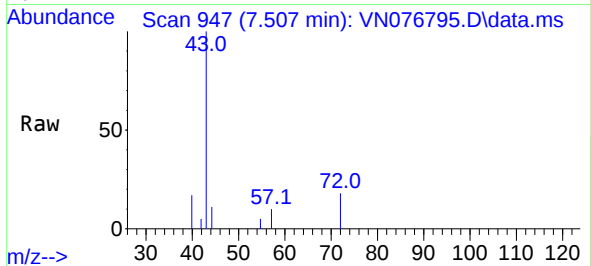




#25
2-Butanone
Concen: 2.442 ug/l
RT: 7.507 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

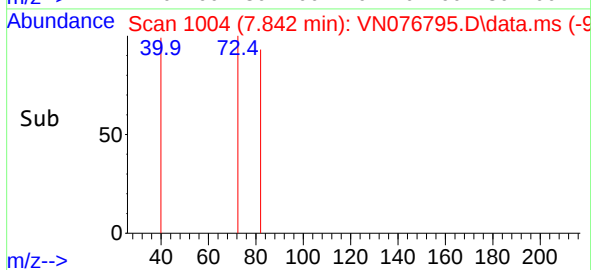
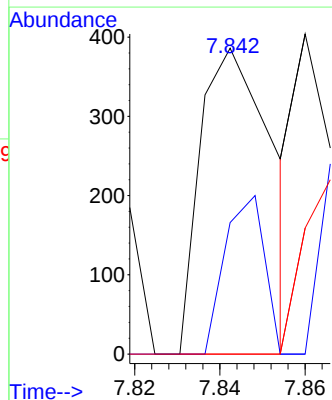
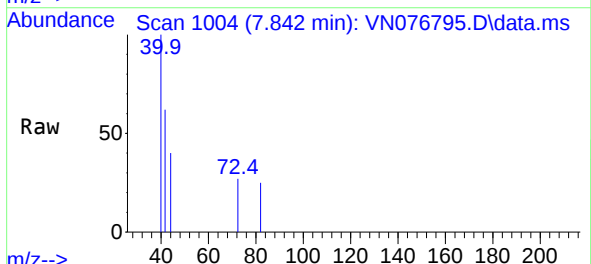
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MSVOA_N
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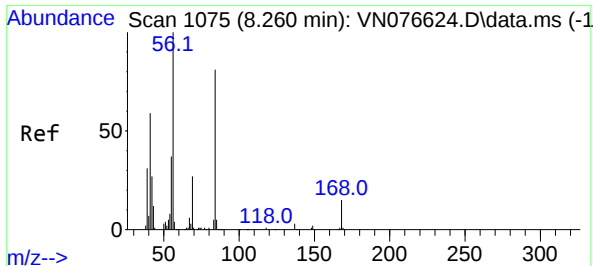
Tgt Ion: 43 Resp: 6753
Ion Ratio Lower Upper
43 100
72 20.3 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.249 ug/l
RT: 7.842 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

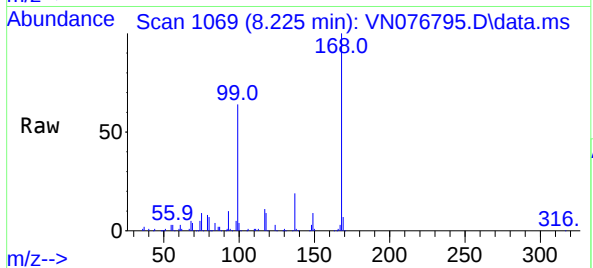
Tgt Ion: 42 Resp: 450
Ion Ratio Lower Upper
42 100
72 28.7 31.5 47.3#
71 0.0 29.8 44.8#



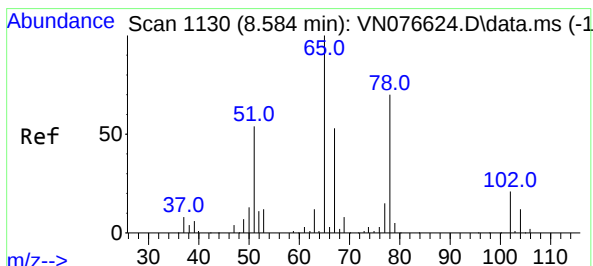
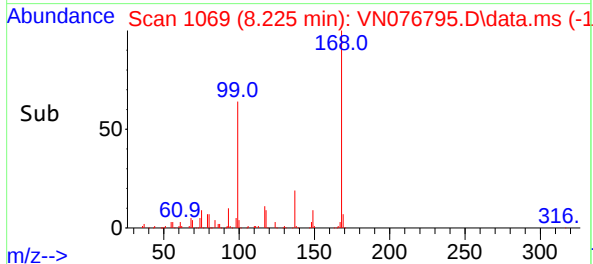
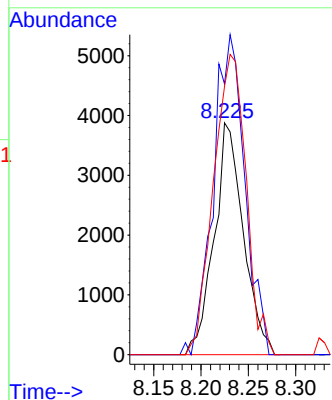


#31
Cyclohexane
Concen: 1.264 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Instrument :
MSVOA_N
ClientSampleId :
PB151045TB

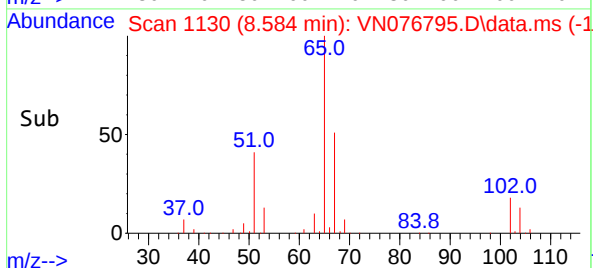
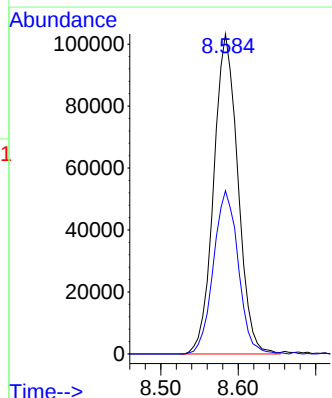
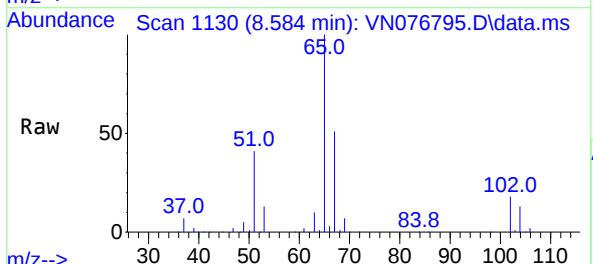


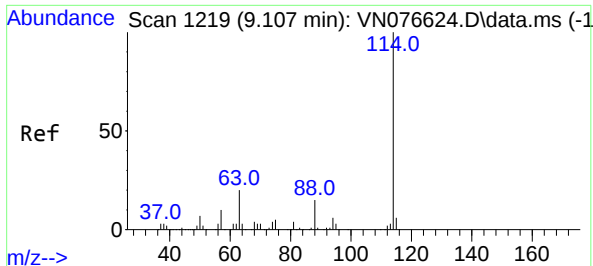
Tgt Ion: 56 Resp: 8326
Ion Ratio Lower Upper
56 100
69 116.8 21.6 32.4#
84 115.6 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 53.326 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Tgt Ion: 65 Resp: 223843
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN076795.D

Acq: 23 Feb 2023 16:01

Instrument :

MSVOA_N

ClientSampleId :

PB151045TB

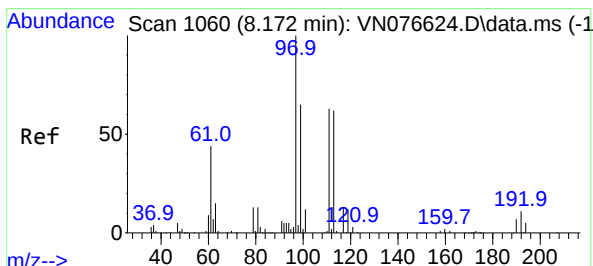
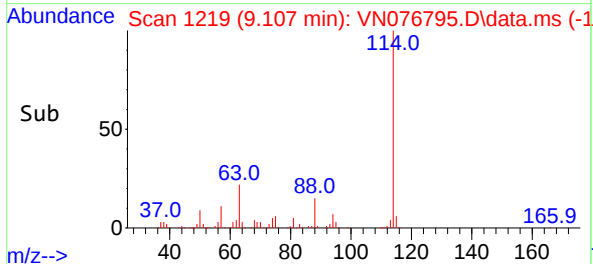
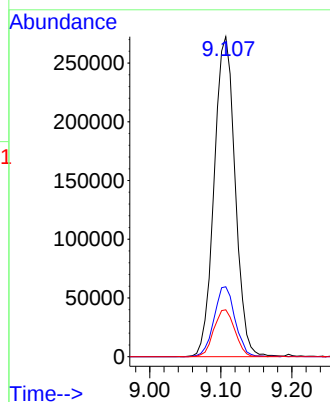
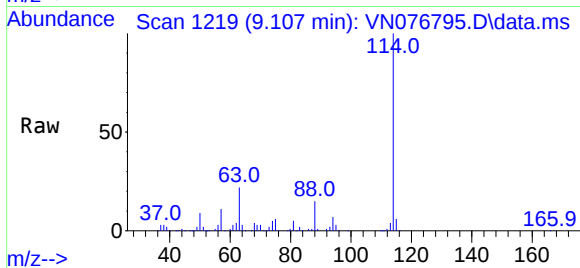
Tgt Ion:114 Resp: 557608

Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.0

88 14.6 0.0 29.6



#35

Dibromofluoromethane

Concen: 45.688 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076795.D

Acq: 23 Feb 2023 16:01

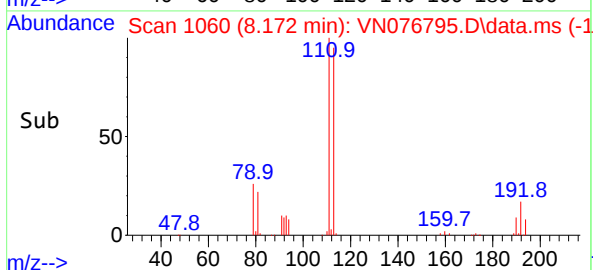
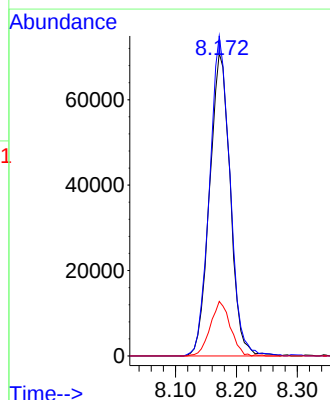
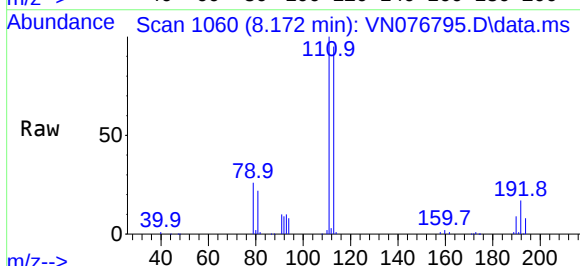
Tgt Ion:113 Resp: 166839

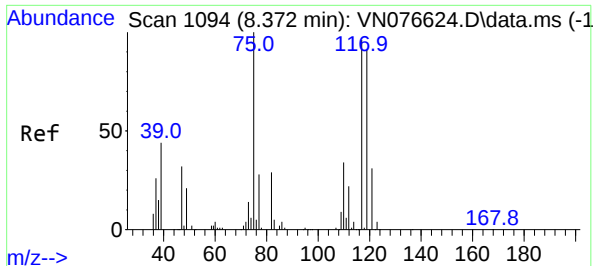
Ion Ratio Lower Upper

113 100

111 104.7 83.1 124.7

192 17.5 15.6 23.4

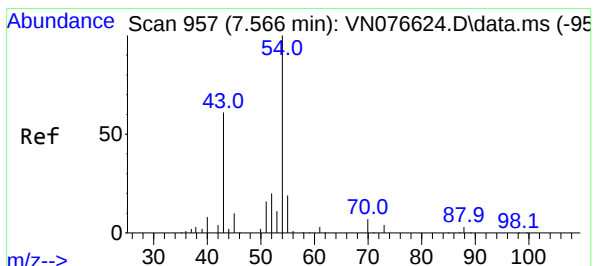
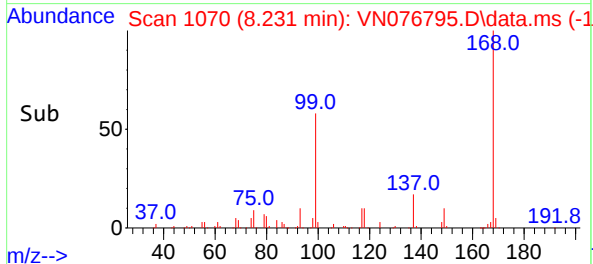
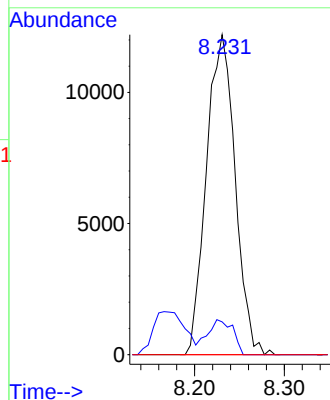
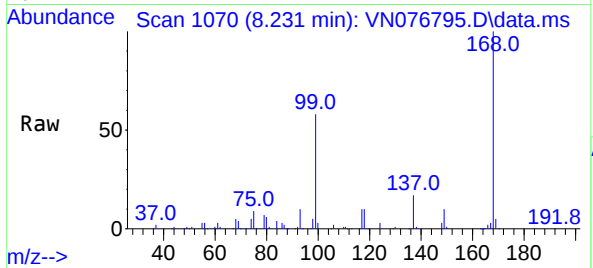




#36
1,1-Dichloropropene
Concen: 5.140 ug/l
RT: 8.231 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

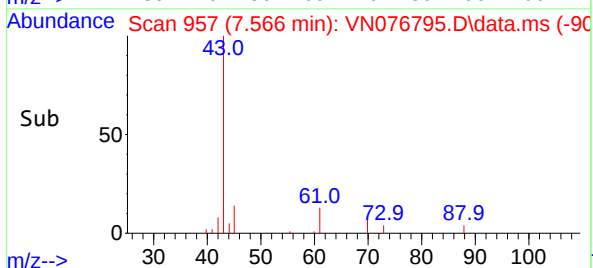
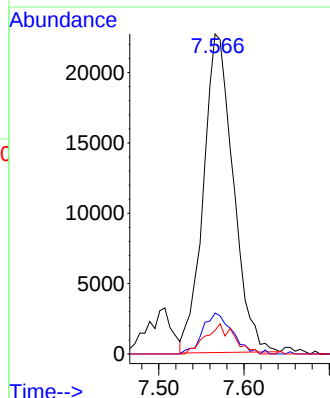
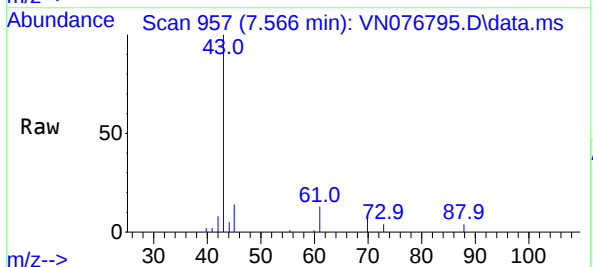
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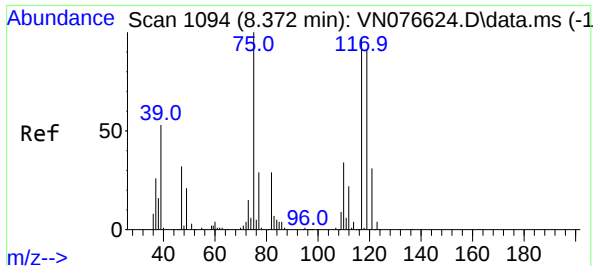
Tgt Ion: 75 Resp: 27117
Ion Ratio Lower Upper
75 100
110 9.8 17.5 52.5#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 9.922 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

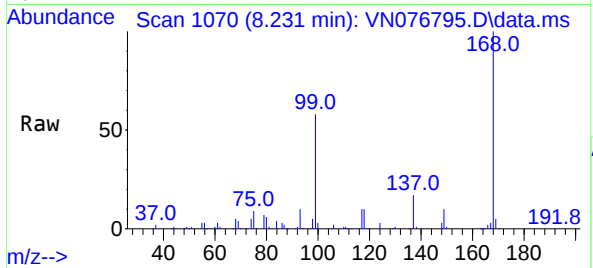
Tgt Ion: 43 Resp: 55080
Ion Ratio Lower Upper
43 100
61 12.8 9.9 14.9
70 9.1 7.8 11.6



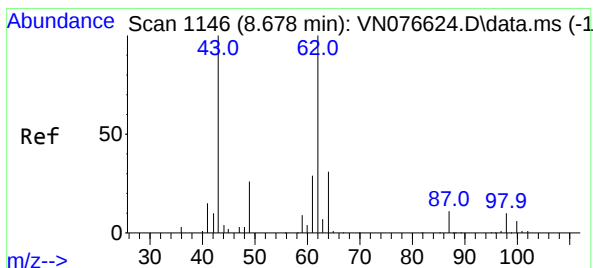
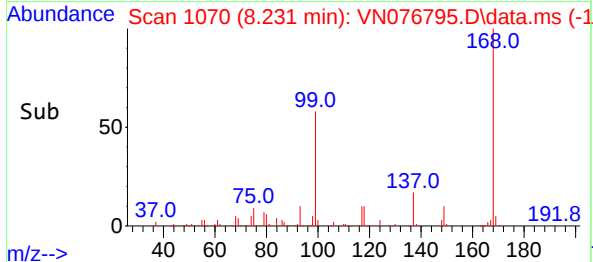
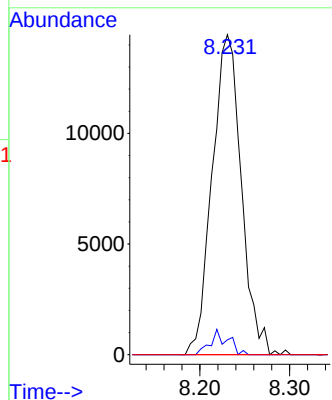


#38
Carbon Tetrachloride
Concen: 6.120 ug/l
RT: 8.231 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Instrument :
MSVOA_N
ClientSampleId :
PB151045TB

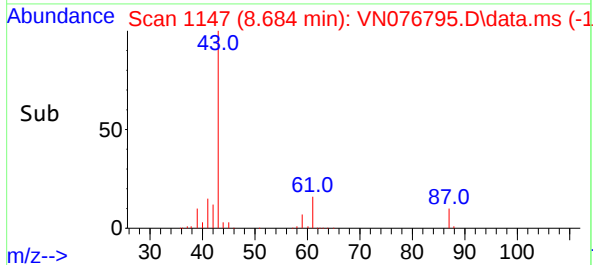
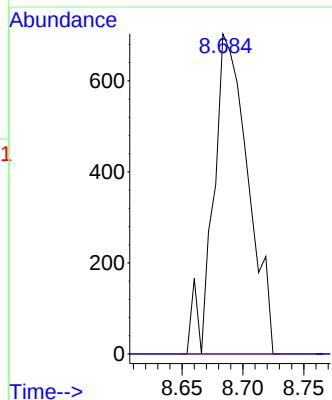
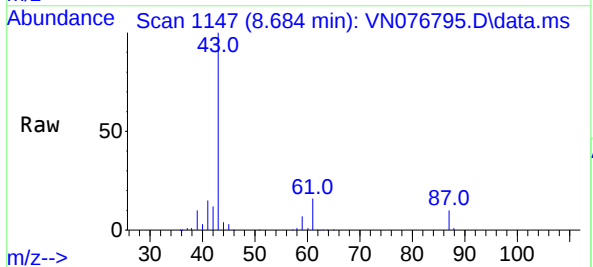


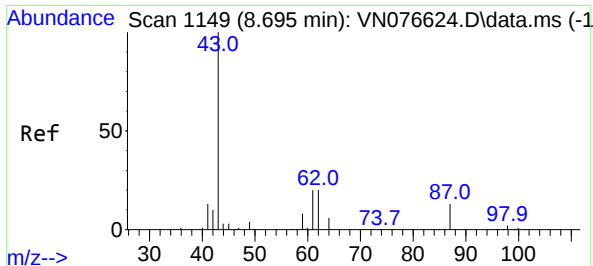
Tgt Ion:117 Resp: 32575
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.0#
121 0.0 26.0 39.0#



#42
1,2-Dichloroethane
Concen: 0.247 ug/l
RT: 8.684 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Tgt Ion: 62 Resp: 1393
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.2

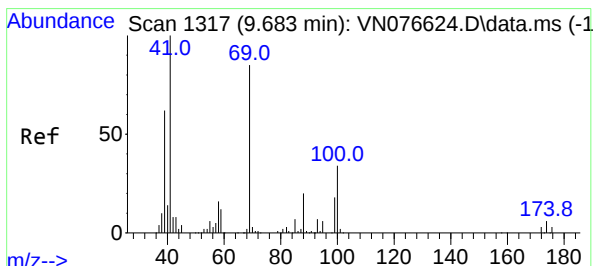
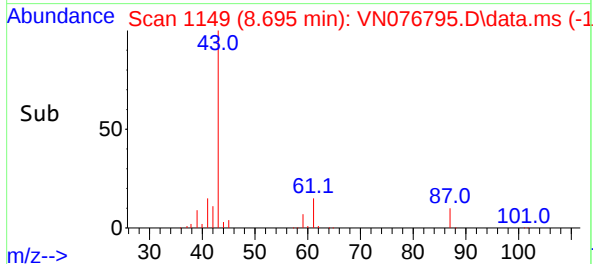
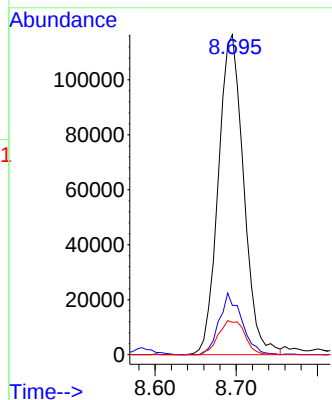
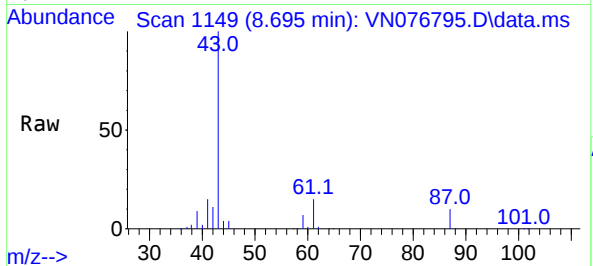




#43
Isopropyl Acetate
Concen: 27.969 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

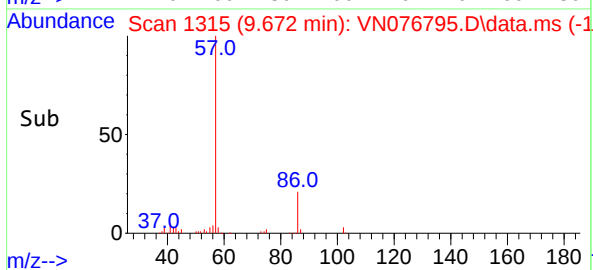
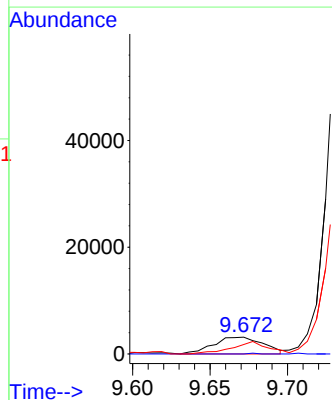
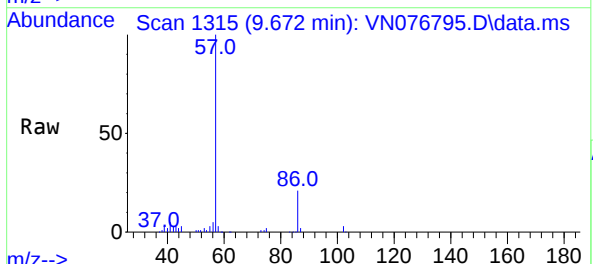
Instrument :
MSVOA_N
ClientSampleId :
PB151045TB

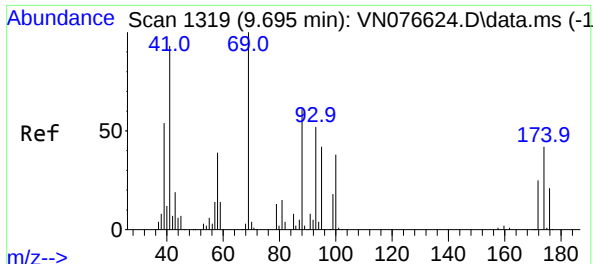
Tgt Ion: 43 Resp: 252642
Ion Ratio Lower Upper
43 100
61 17.2 20.0 30.0#
87 11.2 9.9 14.9



#48
Methyl methacrylate
Concen: 1.653 ug/l
RT: 9.672 min Scan# 1315
Delta R.T. -0.011 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Tgt Ion: 41 Resp: 7087
Ion Ratio Lower Upper
41 100
69 0.8 65.4 98.0#
39 0.0 49.3 73.9#

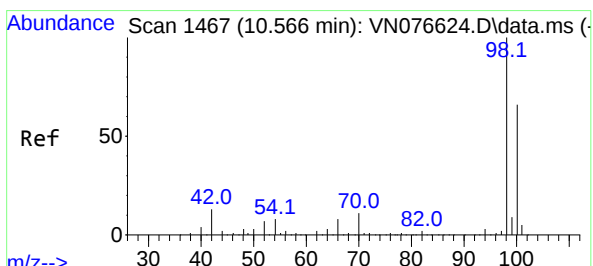
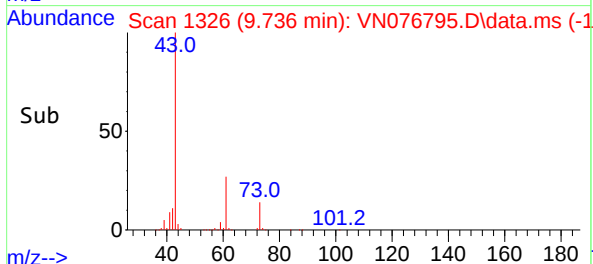
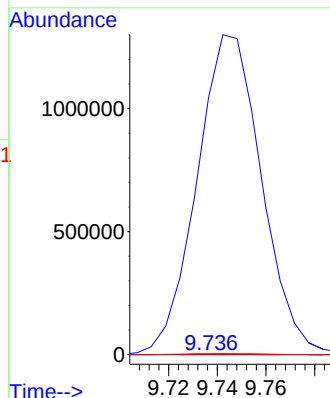
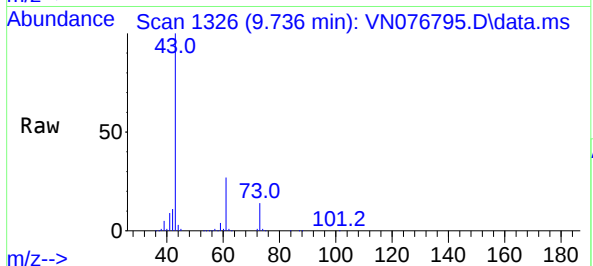




#49
1,4-Dioxane
Concen: 7.688 ug/l
RT: 9.736 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

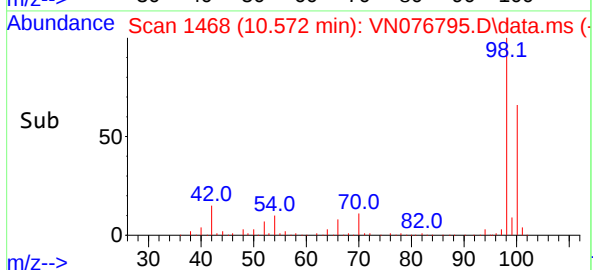
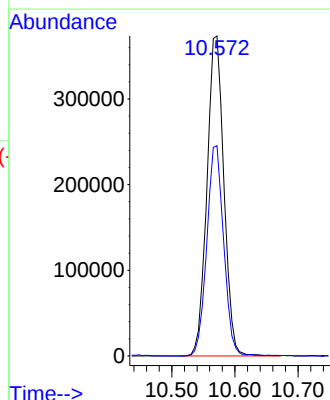
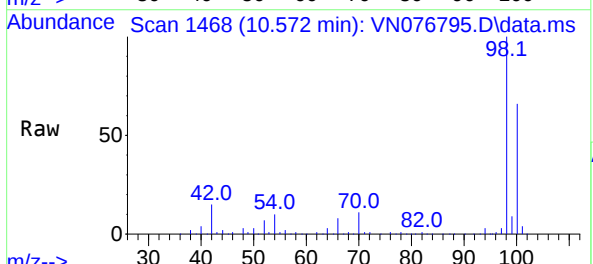
Instrument :
MSVOA_N
ClientSampleId :
PB151045TB

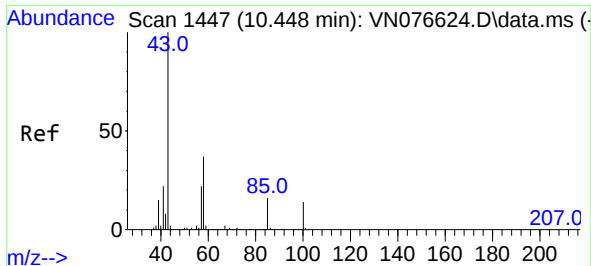
Tgt Ion: 88 Resp: 570
Ion Ratio Lower Upper
88 100
43 425172.5 22.6 33.8#
58 1795.6 57.6 86.4#



#50
Toluene-d8
Concen: 51.136 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Tgt Ion: 98 Resp: 697364
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3

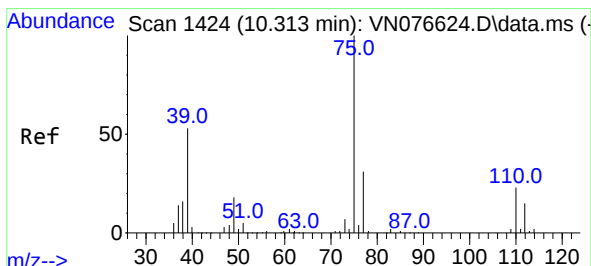
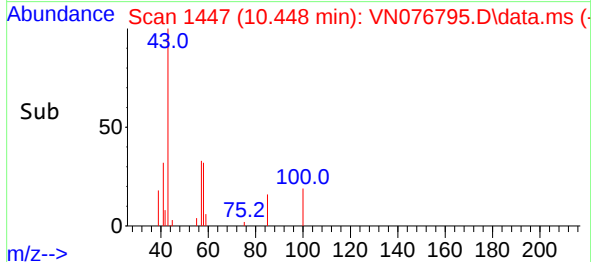
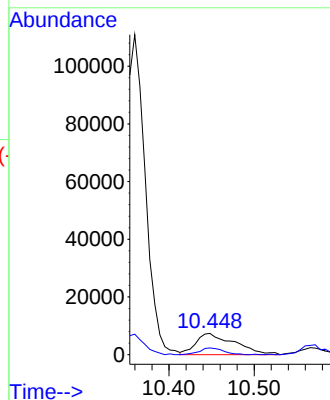
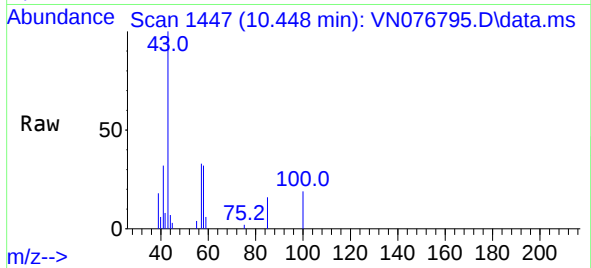




#51
4-Methyl-2-Pentanone
Concen: 4.064 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

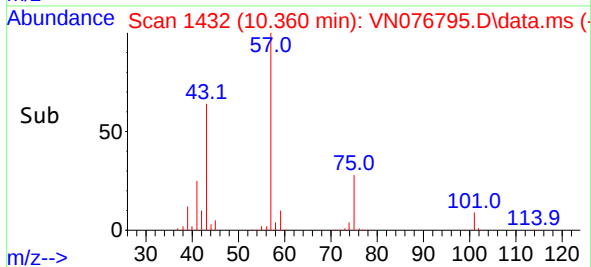
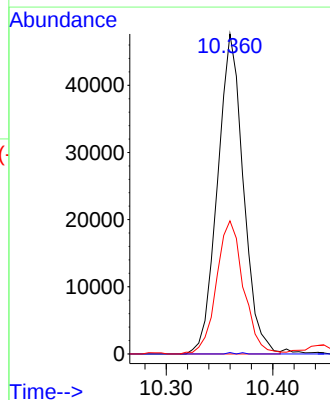
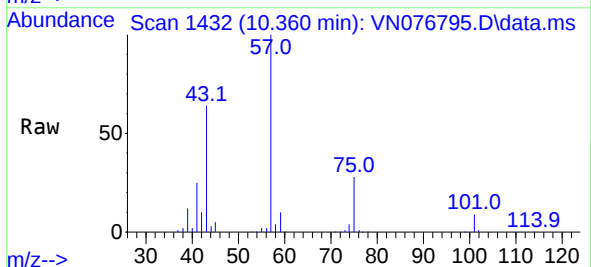
Instrument :
MSVOA_N
ClientSampleId :
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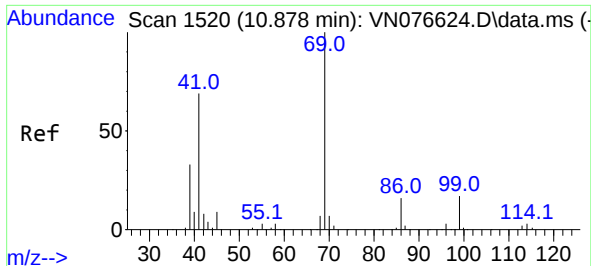
Tgt Ion: 43 Resp: 23355
Ion Ratio Lower Upper
43 100
58 19.4 29.5 44.3#



#54
cis-1,3-Dichloropropene
Concen: 13.104 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Tgt Ion: 75 Resp: 80205
Ion Ratio Lower Upper
75 100
77 0.5 25.1 37.7#
39 41.6 42.3 63.5#

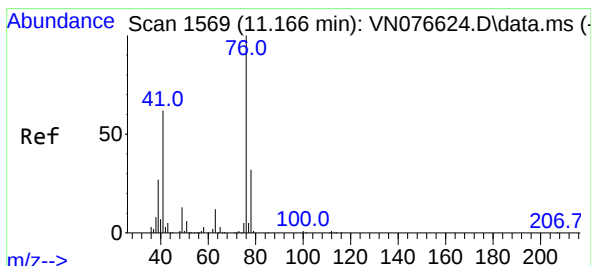
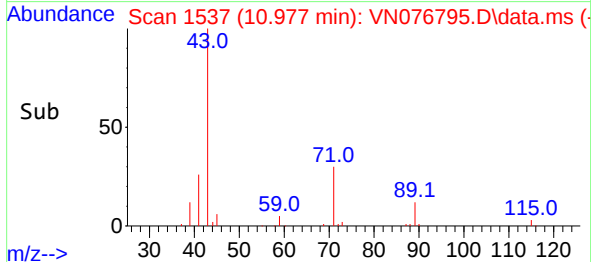
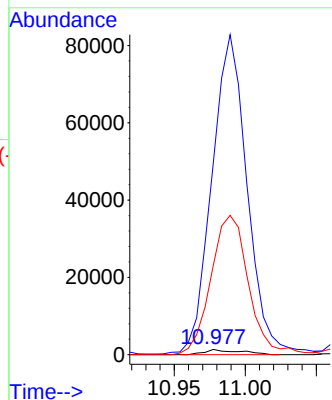
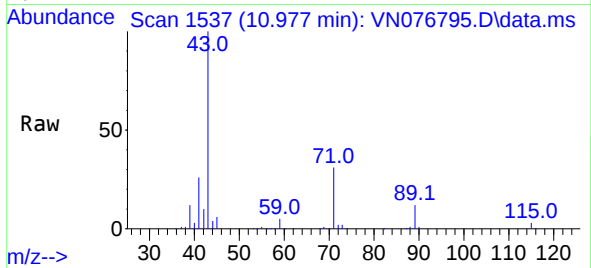




#56
Ethyl methacrylate
Concen: 0.419 ug/l
RT: 10.977 min Scan# 11
Delta R.T. 0.099 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

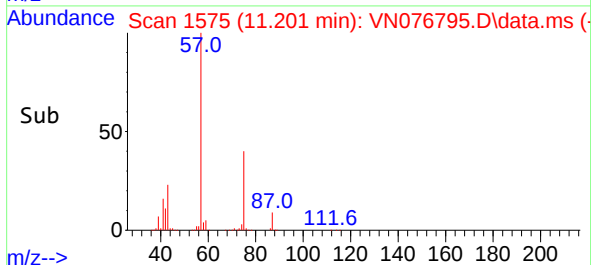
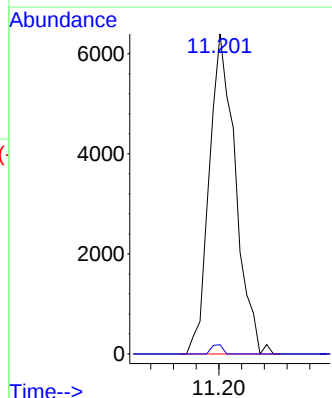
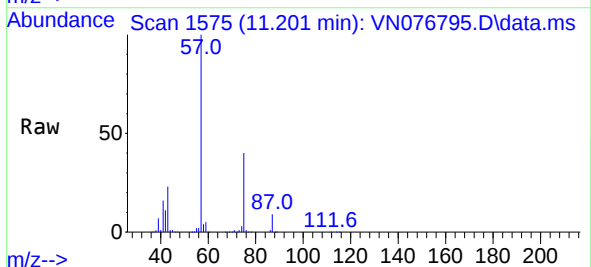
Instrument :
MSVOA_N
ClientSampleId :
PB151045TB

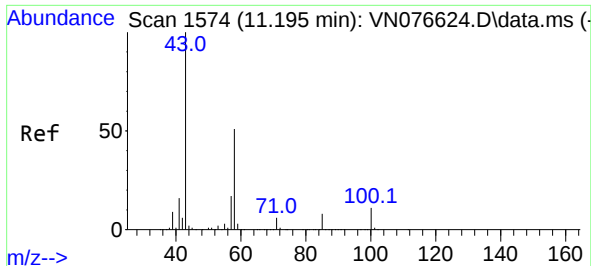
Tgt Ion: 69 Resp: 2344
Ion Ratio Lower Upper
69 100
41 6095.7 55.1 82.7#
39 2833.7 30.7 46.1#



#57
1,3-Dichloropropane
Concen: 1.499 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Tgt Ion: 76 Resp: 10246
Ion Ratio Lower Upper
76 100
78 1.2 26.1 39.1#

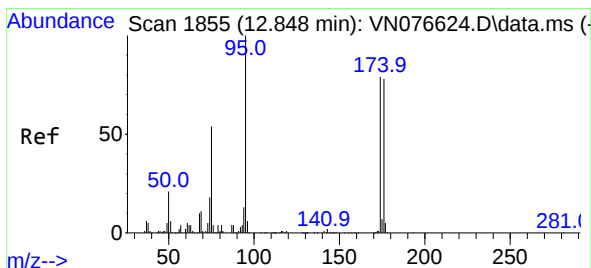
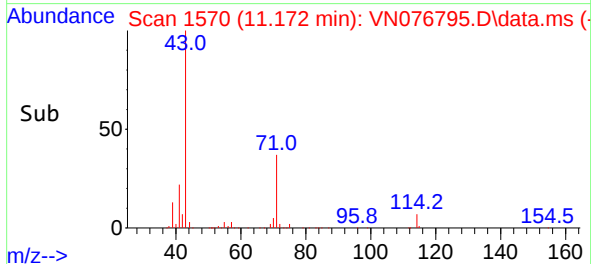
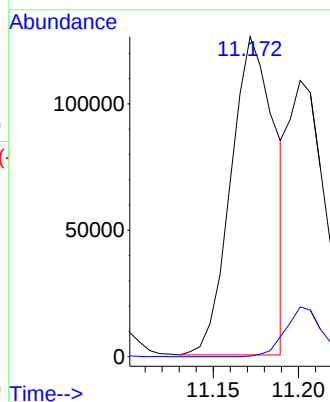
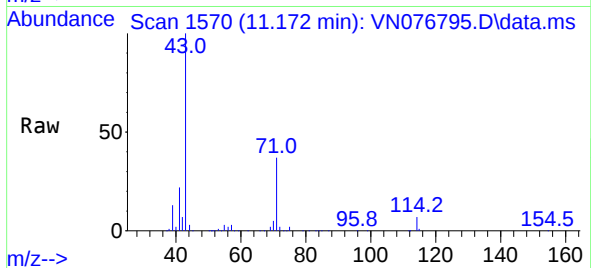




#59
2-Hexanone
Concen: 54.541 ug/l
RT: 11.172 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

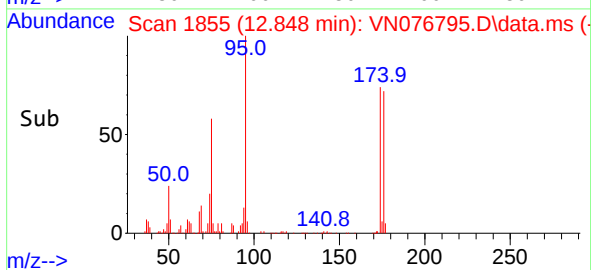
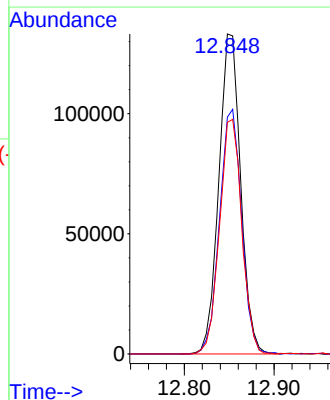
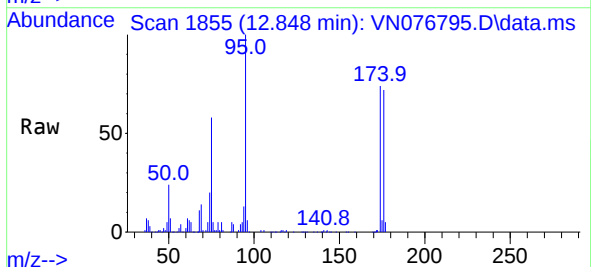
Instrument :
MSVOA_N
ClientSampleId :
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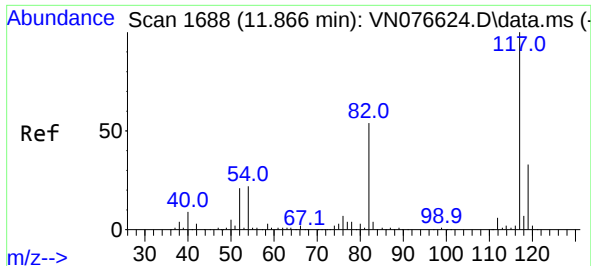
Tgt Ion: 43 Resp: 226013
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.0#



#62
4-Bromofluorobenzene
Concen: 49.778 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Tgt Ion: 95 Resp: 224835
Ion Ratio Lower Upper
95 100
174 77.5 0.0 169.2
176 74.6 0.0 163.4

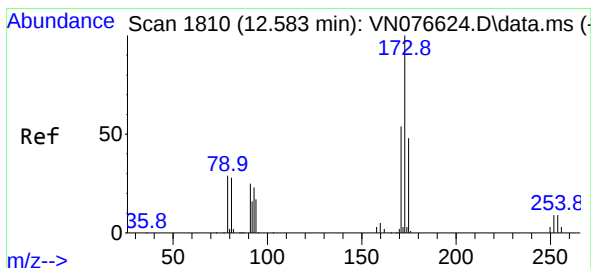
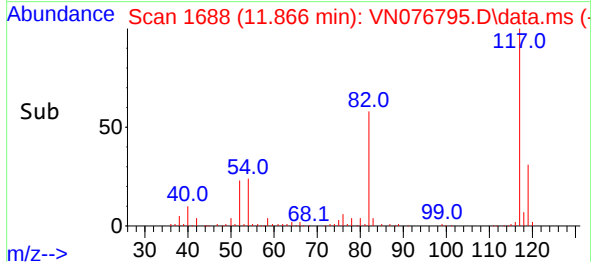
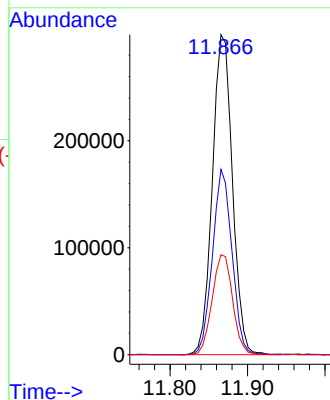
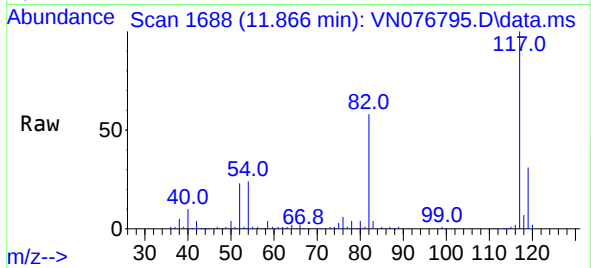




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

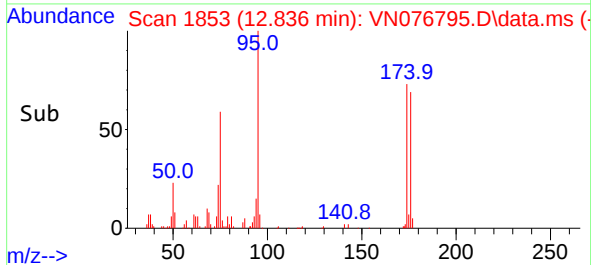
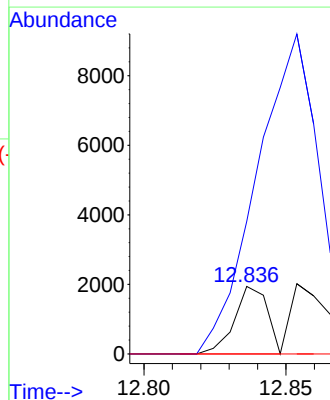
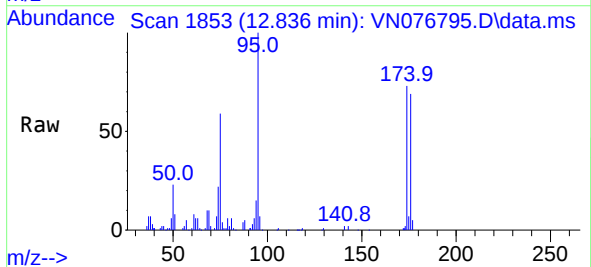
Instrument :
MSVOA_N
ClientSampleId :
PB151045TB

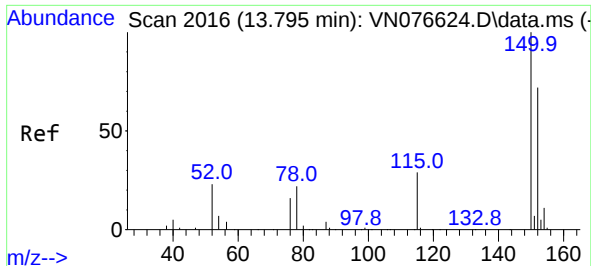
Tgt Ion:117 Resp: 538283
Ion Ratio Lower Upper
117 100
82 57.9 43.4 65.2
119 31.2 26.1 39.1



#71
Bromoform
Concen: 0.514 ug/l
RT: 12.836 min Scan# 1853
Delta R.T. 0.253 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Tgt Ion:173 Resp: 1562
Ion Ratio Lower Upper
173 100
175 813.9 24.9 74.7#
254 0.0 0.1 0.1#

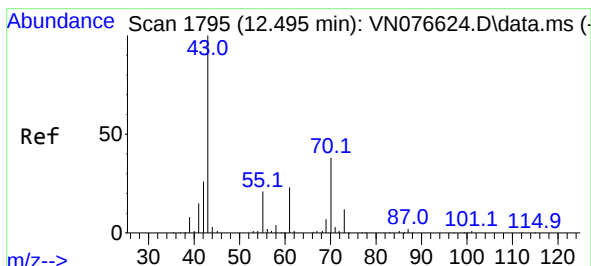
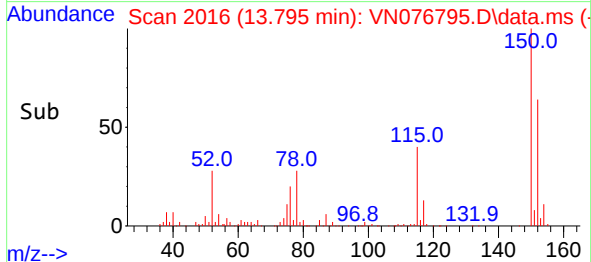
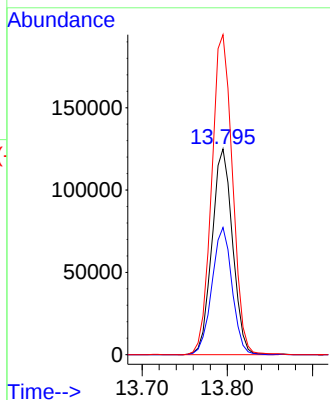
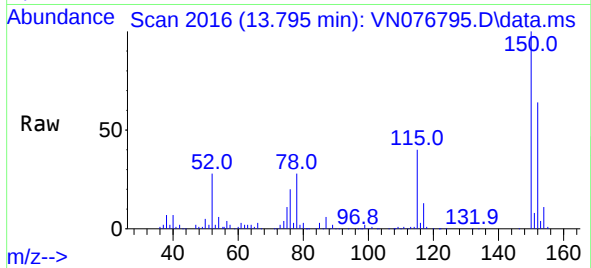




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

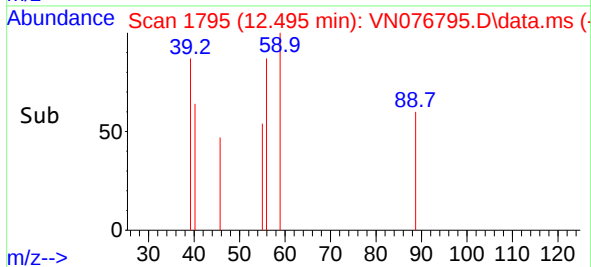
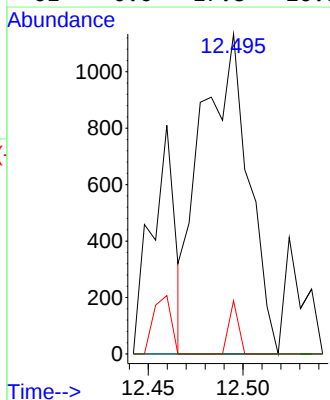
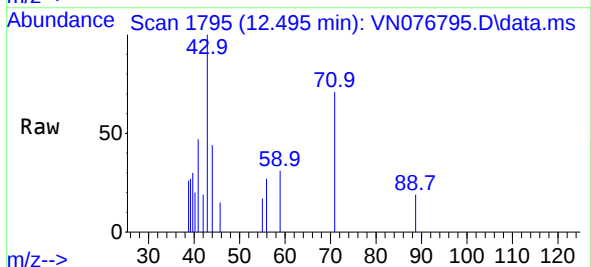
Instrument :
MSVOA_N
ClientSampleId :
PB151045TB

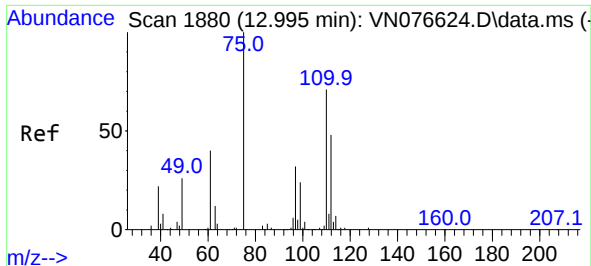
Tgt Ion:152 Resp: 210334
Ion Ratio Lower Upper
152 100
115 60.5 29.3 87.9
150 157.5 0.0 349.8



#74
N-ethyl acetate
Concen: 0.284 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Tgt Ion: 43 Resp: 1972
Ion Ratio Lower Upper
43 100
70 0.0 30.5 45.7#
55 0.0 17.8 26.8#
61 0.0 17.8 26.8#

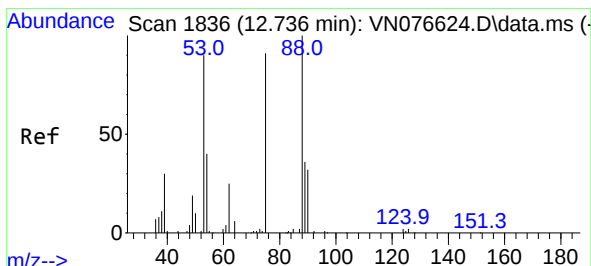
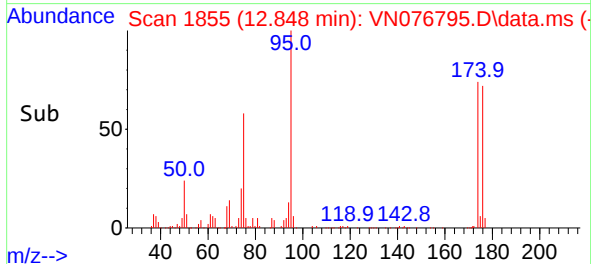
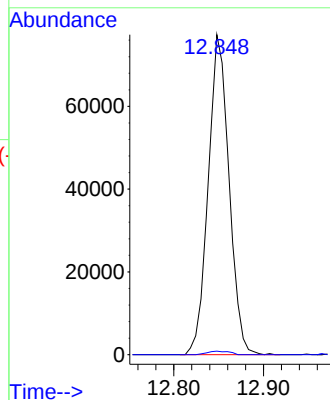
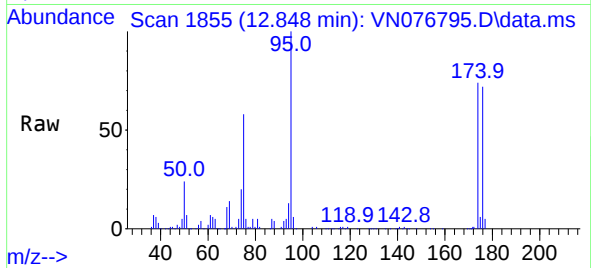




#76
1,2,3-Trichloropropane
Concen: 29.287 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Instrument :
MSVOA_N
ClientSampleId :
PB151045TB

Tgt Ion: 75 Resp: 124540
Ion Ratio Lower Upper
75 100
77 1.2 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.301 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.112 min
Lab File: VN076795.D
Acq: 23 Feb 2023 16:01

Tgt Ion: 75 Resp: 124540
Ion Ratio Lower Upper
75 100
53 0.1 92.1 138.1#
89 0.0 37.5 56.3#

