

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010623\
 Data File : VN076136.D
 Acq On : 06 Jan 2023 16:12
 Operator : JC\MD
 Sample : 01047-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

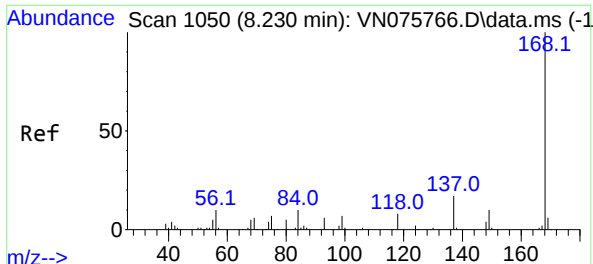
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

Quant Time: Jan 06 22:56:39 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	326903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	539450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	492106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	175654	49.391	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.780%		
35) Dibromofluoromethane	8.171	113	160168	47.944	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.880%		
50) Toluene-d8	10.571	98	638058	51.083	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.160%		
62) 4-Bromofluorobenzene	12.853	95	198883	48.074	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.140%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	593	1.178	ug/l #	72
16) Acetone	4.453	43	35013	28.560	ug/l	91
18) Methyl Acetate	5.047	43	3384	0.934	ug/l #	89
20) Methylene Chloride	5.289	84	11086	2.776	ug/l	93
25) 2-Butanone	7.494	43	8775	5.112	ug/l #	85
29) Tetrahydrofuran	7.859	42	274	0.255	ug/l #	44
31) Cyclohexane	8.235	56	6388	1.254	ug/l #	32
36) 1,1-Dichloropropene	8.230	75	24138	5.439	ug/l #	50
37) Ethyl Acetate	7.571	43	32627	9.153	ug/l	98
38) Carbon Tetrachloride	8.230	117	31828	6.408	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	1349	0.296	ug/l #	72
43) Isopropyl Acetate	8.694	43	388164	66.012	ug/l #	67
45) 1,2-Dichloropropane	9.747	63	2268	0.681	ug/l #	43
48) Methyl methacrylate	9.665	41	4250	1.605	ug/l #	6
49) 1,4-Dioxane	9.735	88	57	0.875	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	14806	4.164	ug/l #	70
52) Toluene	10.635	92	2706	0.303	ug/l	98
53) t-1,3-Dichloropropene	10.735	75	1260	0.266	ug/l #	63
54) cis-1,3-Dichloropropene	10.359	75	66699	12.805	ug/l #	64
56) Ethyl methacrylate	10.982	69	1929	0.415	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	9064	1.579	ug/l #	42
59) 2-Hexanone	11.206	43	102896	39.677	ug/l #	49
71) Bromoform	12.847	173	1495	0.549	ug/l #	1
74) N-amyl acetate	12.482	43	2015	0.472	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	103376	25.451	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	103376	91.612	ug/l #	12
95) Naphthalene	15.653	128	510	2.222	ug/l #	69

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



#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076136.D

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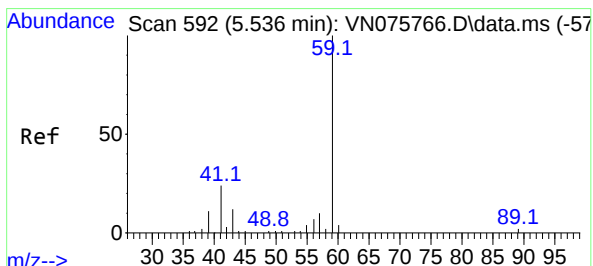
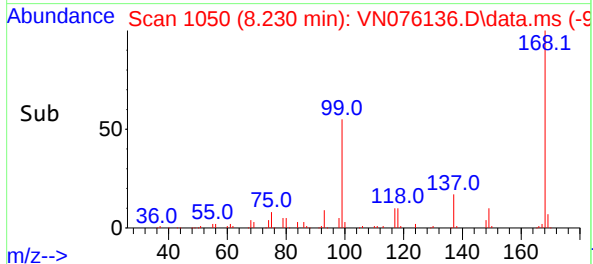
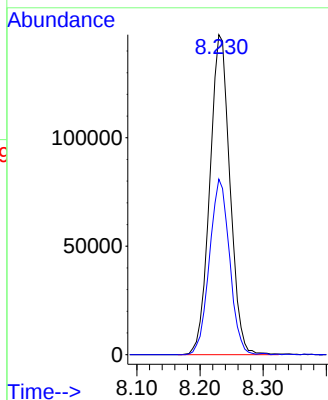
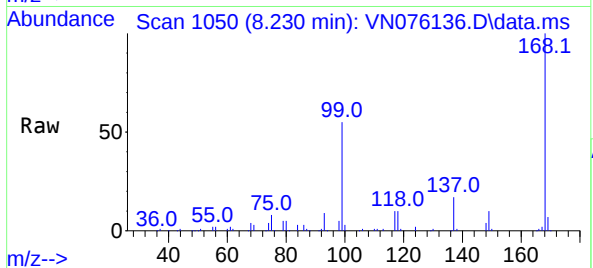
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Tgt Ion:168 Resp: 326903

Ion Ratio Lower Upper

168 100

99 54.9 44.2 66.4



#11

Tert butyl alcohol

Concen: 1.178 ug/l

RT: 5.524 min Scan# 590

Delta R.T. -0.012 min

Lab File: VN076136.D

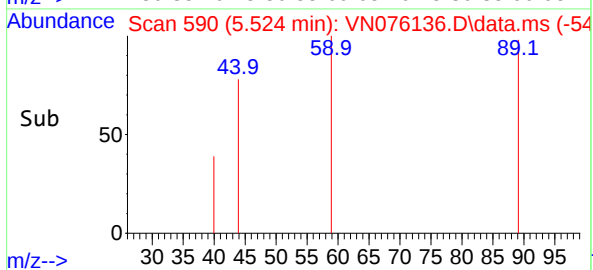
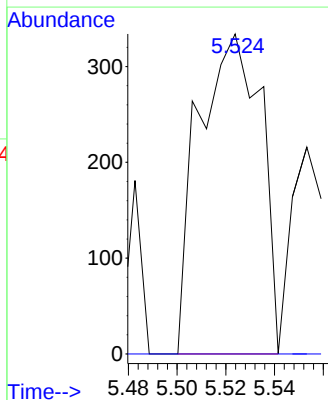
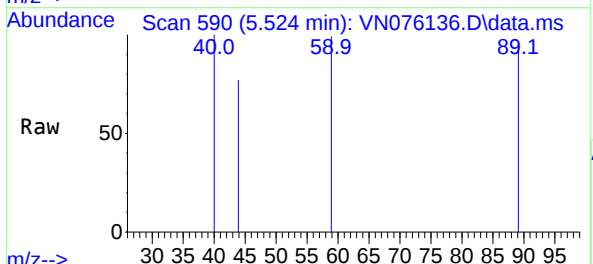
Acq: 06 Jan 2023 16:12

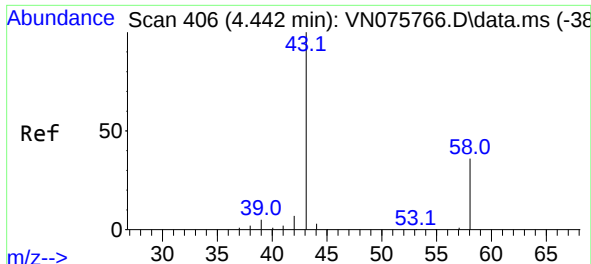
Tgt Ion: 59 Resp: 593

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

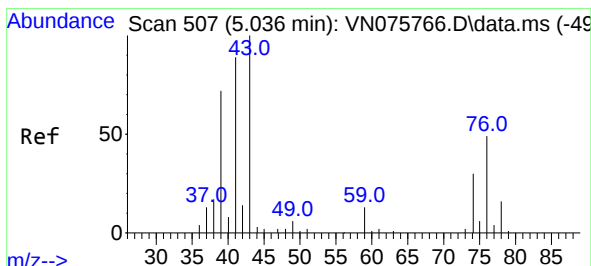
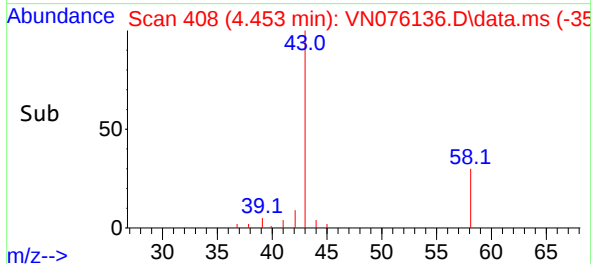
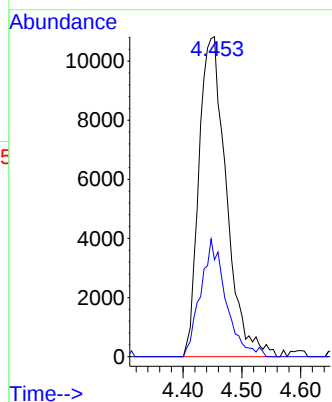
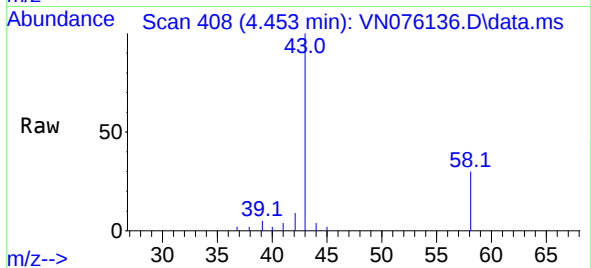




#16
Acetone
Concen: 28.560 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

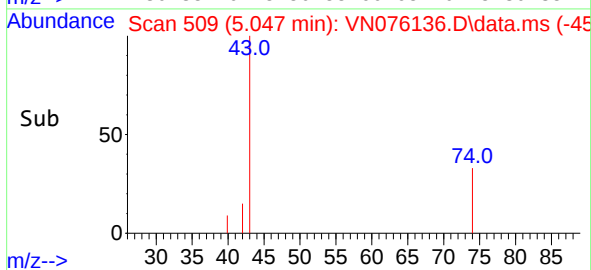
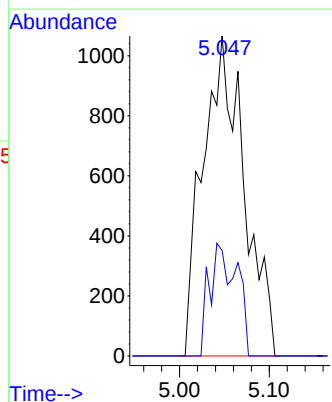
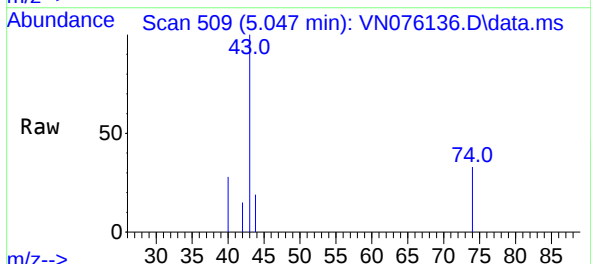
Instrument :
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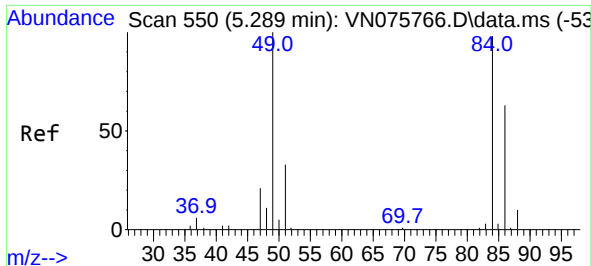
Tgt Ion: 43 Resp: 35013
Ion Ratio Lower Upper
43 100
58 30.3 28.6 43.0



#18
Methyl Acetate
Concen: 0.934 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

Tgt Ion: 43 Resp: 3384
Ion Ratio Lower Upper
43 100
74 23.4 23.6 35.4#



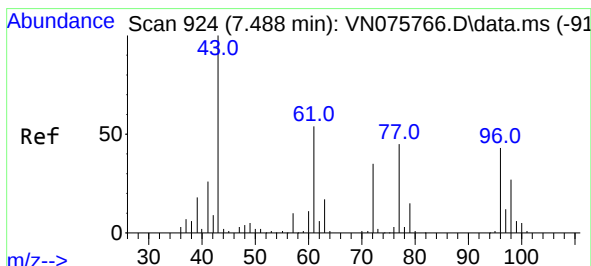
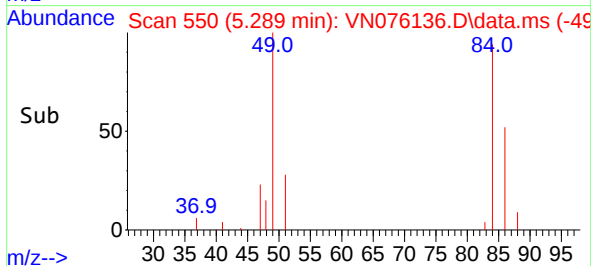
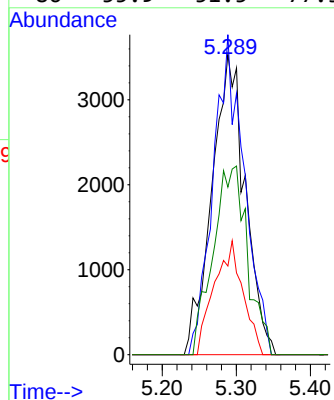
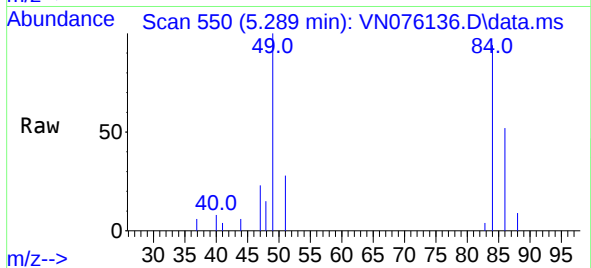


#20
Methylene Chloride
Concen: 2.776 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

Instrument :
MSVOA_N
ClientSampleId :
TP-6

Tgt Ion: 84 Resp: 11086

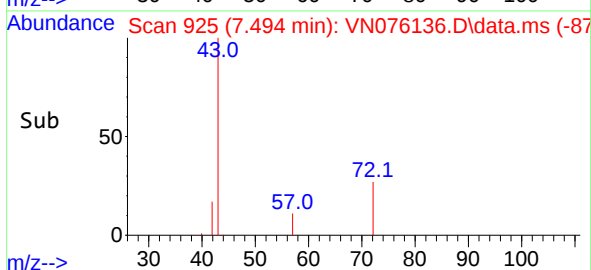
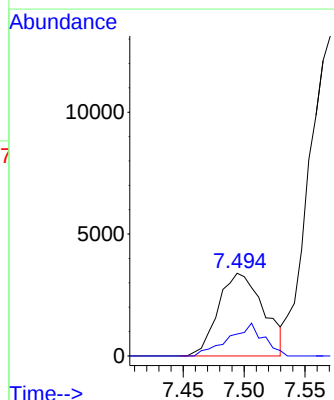
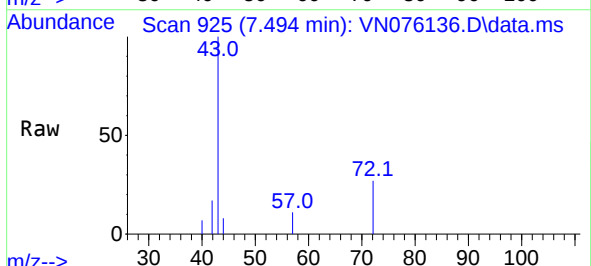
Ion	Ratio	Lower	Upper
84	100		
49	106.7	81.8	122.6
51	29.5	26.7	40.1
86	55.9	51.5	77.3

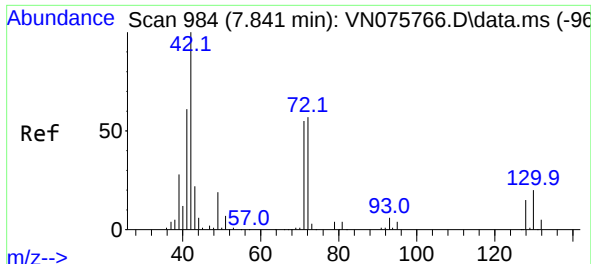


#25
2-Butanone
Concen: 5.112 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

Tgt Ion: 43 Resp: 8775

Ion	Ratio	Lower	Upper
43	100		
72	26.6	28.0	42.0#





#29

Tetrahydrofuran

Concen: 0.255 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076136.D

Acq: 06 Jan 2023 16:12

Instrument :

MSVOA_N

ClientSampleId :

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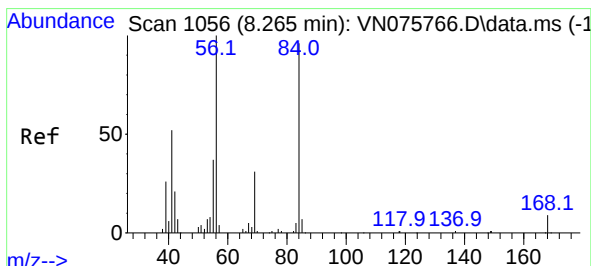
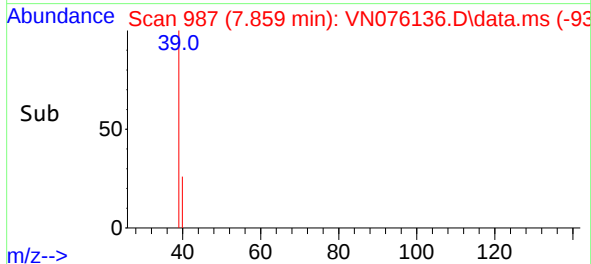
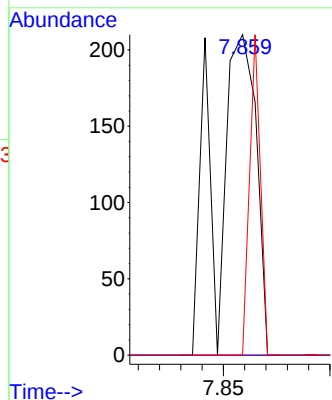
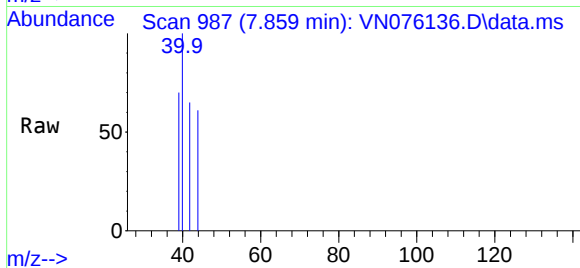
Tgt Ion: 42 Resp: 274

Ion Ratio Lower Upper

42 100

72 0.0 44.5 66.7#

71 27.0 41.0 61.6#



#31

Cyclohexane

Concen: 1.254 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.029 min

Lab File: VN076136.D

Acq: 06 Jan 2023 16:12

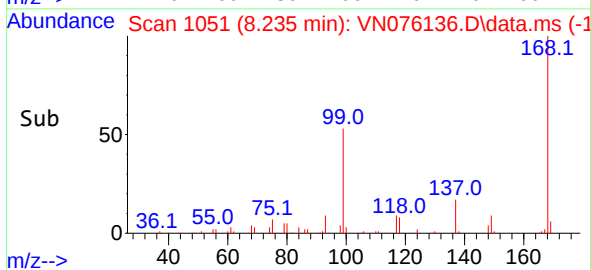
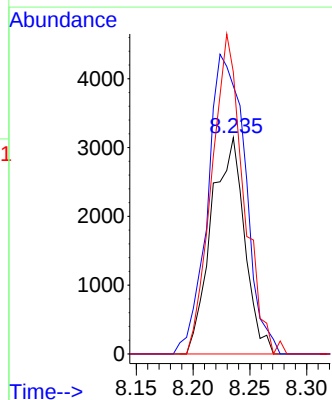
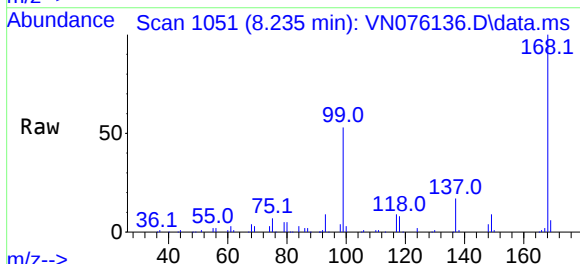
Tgt Ion: 56 Resp: 6388

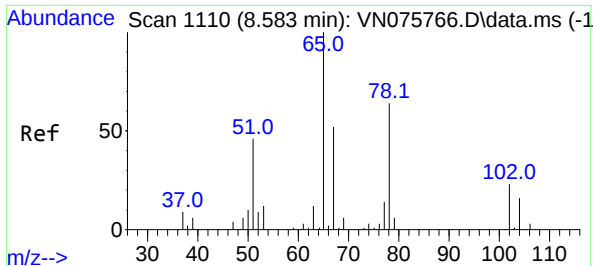
Ion Ratio Lower Upper

56 100

69 123.9 24.7 37.1#

84 130.3 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 49.391 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076136.D

Acq: 06 Jan 2023 16:12

Instrument :

MSVOA_N

ClientSampleId :

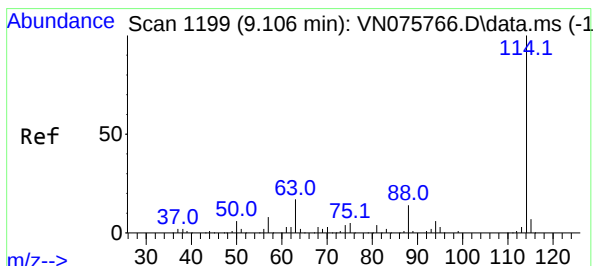
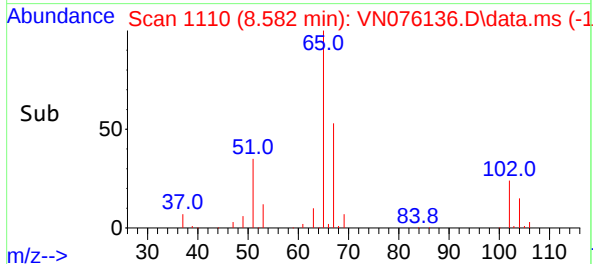
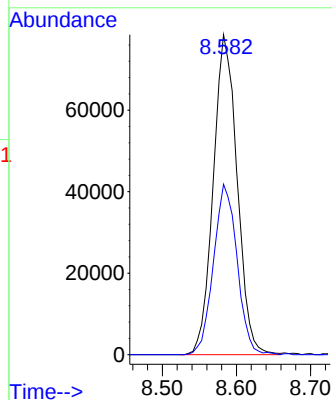
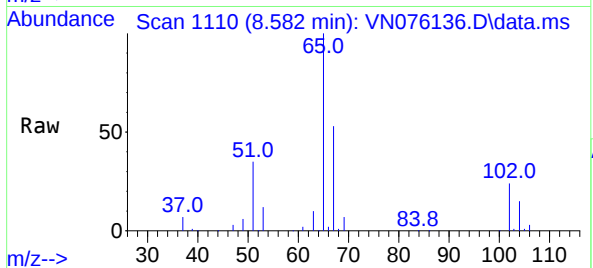
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Tgt Ion: 65 Resp: 175654

Ion Ratio Lower Upper

65 100

67 52.7 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: VN076136.D

Acq: 06 Jan 2023 16:12

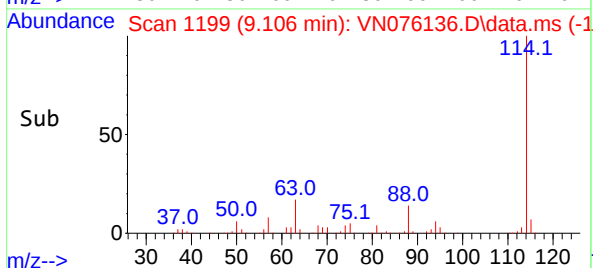
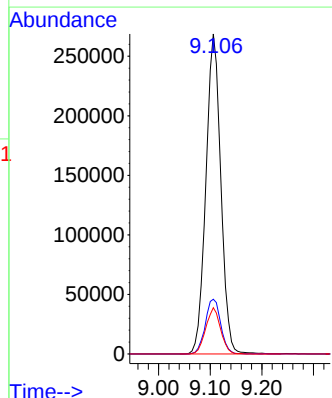
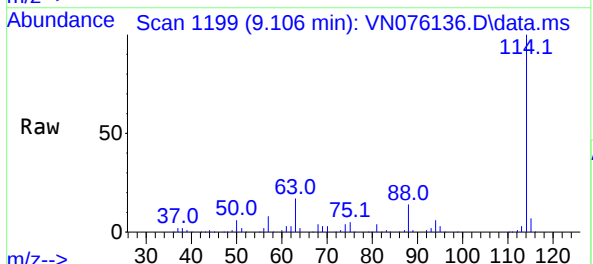
Tgt Ion: 114 Resp: 539450

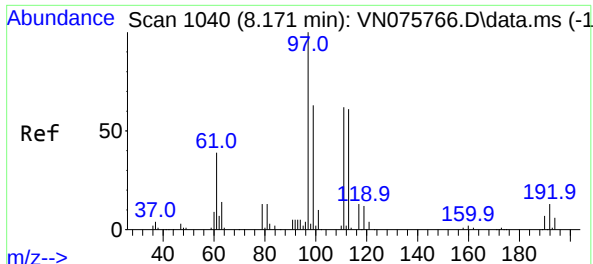
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.4

88 14.5 0.0 28.8

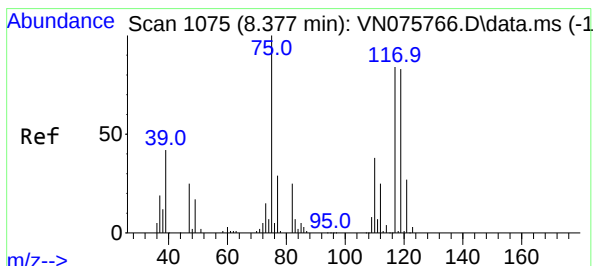
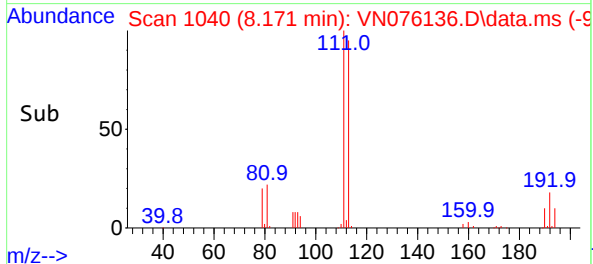
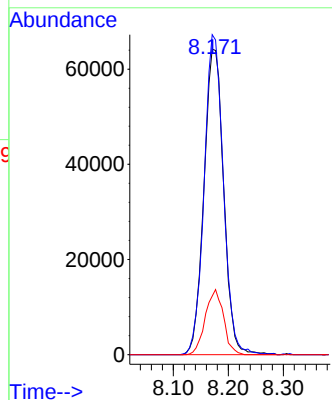
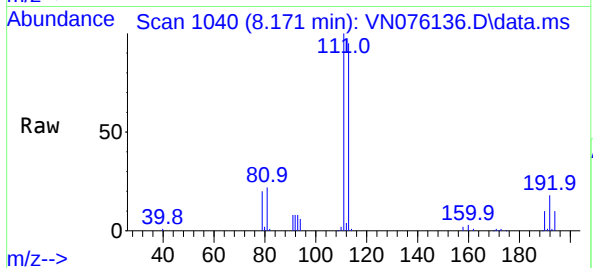




#35
Dibromofluoromethane
Concen: 47.944 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

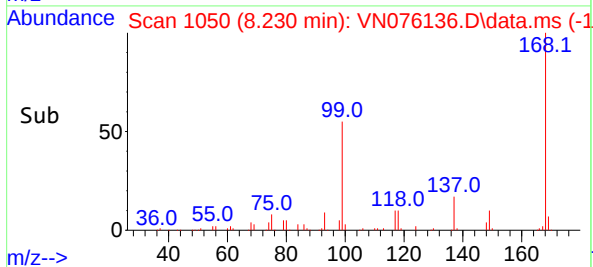
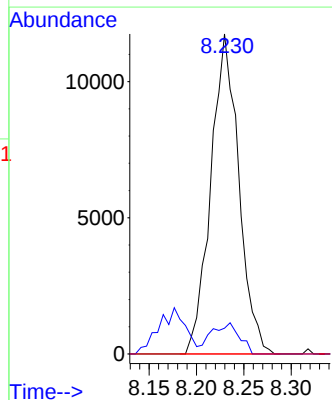
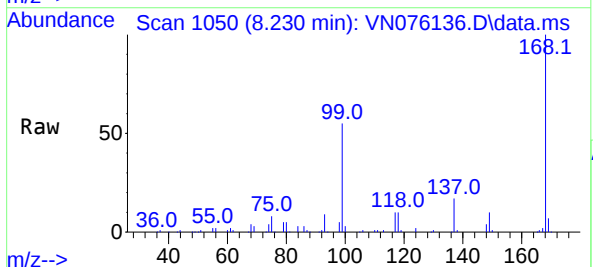
Instrument :
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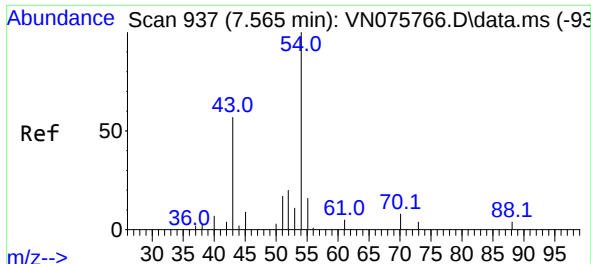
Tgt Ion:113 Resp: 160168
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.2
192 19.7 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.439 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

Tgt Ion: 75 Resp: 24138
Ion Ratio Lower Upper
75 100
110 9.8 18.8 56.4#
77 0.0 24.1 36.1#

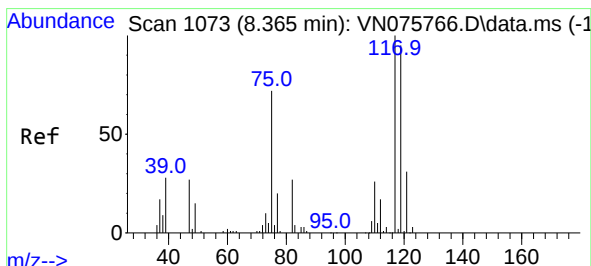
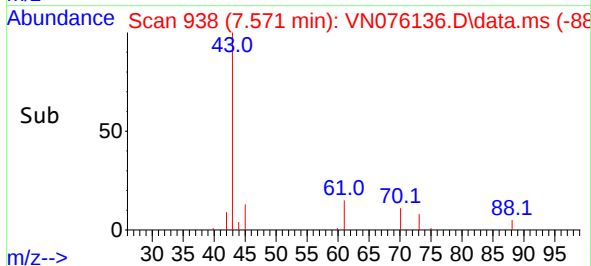
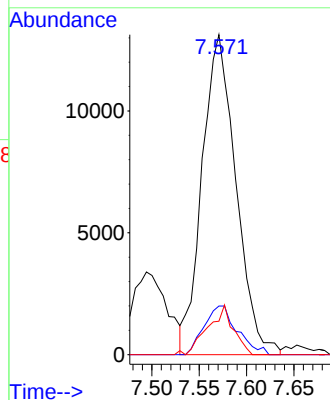
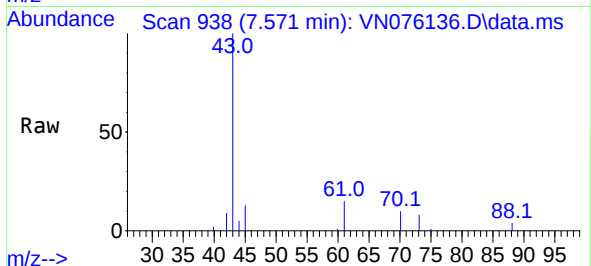




#37
Ethyl Acetate
Concen: 9.153 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

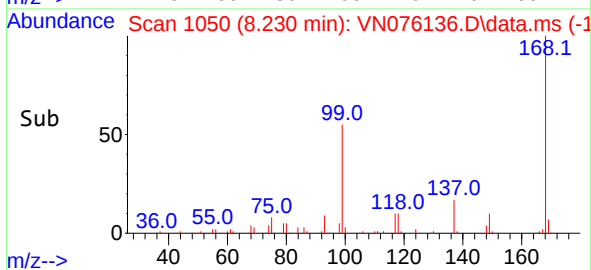
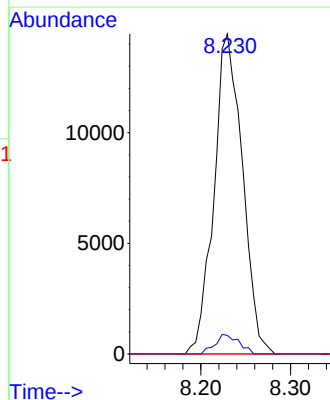
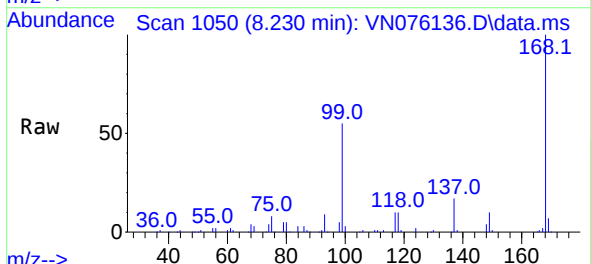
Instrument :
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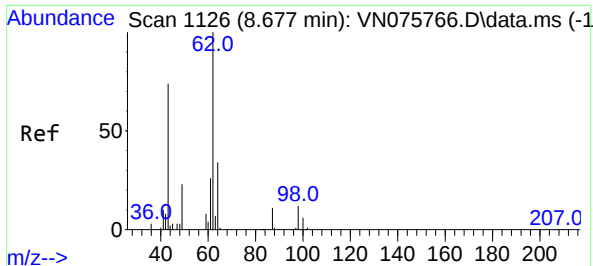
Tgt Ion: 43 Resp: 32627
Ion Ratio Lower Upper
43 100
61 14.9 13.0 19.4
70 11.6 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.408 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

Tgt Ion: 117 Resp: 31828
Ion Ratio Lower Upper
117 100
119 5.8 76.1 114.1#
121 0.0 24.5 36.7#

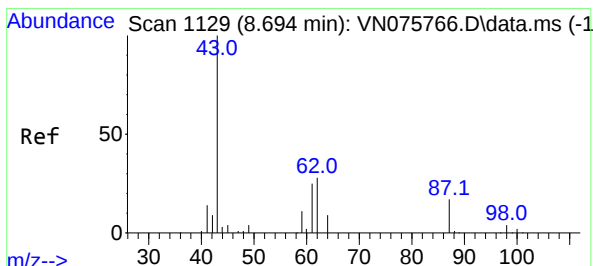
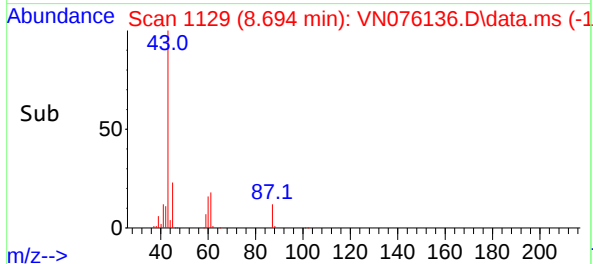
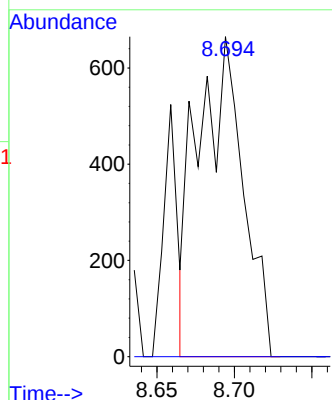
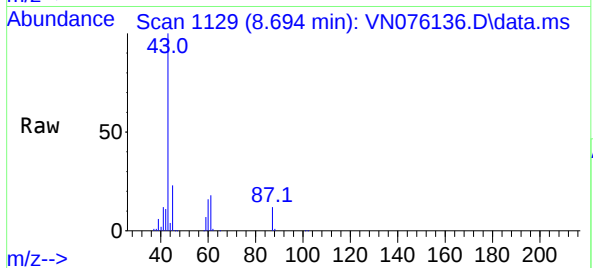




#42
1,2-Dichloroethane
Concen: 0.296 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.018 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

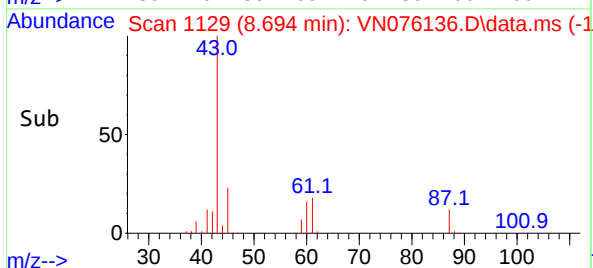
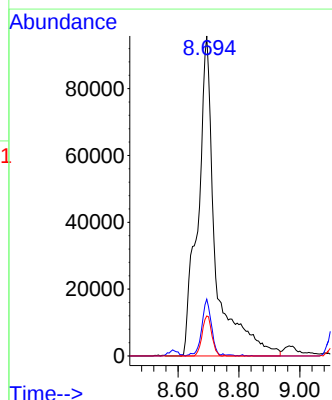
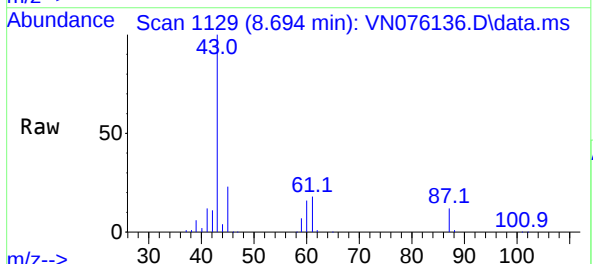
Instrument :
MSVOA_N
ClientSampleId :
TP-6

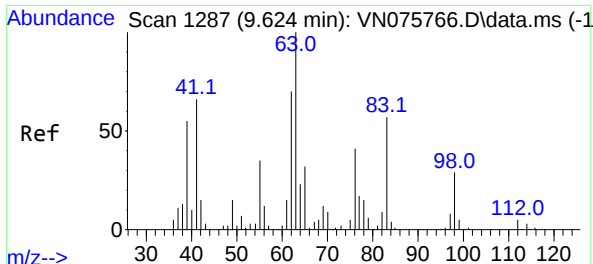
Tgt Ion: 62 Resp: 1349
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8



#43
Isopropyl Acetate
Concen: 66.012 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

Tgt Ion: 43 Resp: 388164
Ion Ratio Lower Upper
43 100
61 9.6 24.2 36.4#
87 6.8 13.3 19.9#





#45

1,2-Dichloropropane

Concen: 0.681 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN076136.D

Acq: 06 Jan 2023 16:12

Instrument :

MSVOA_N

ClientSampleId :

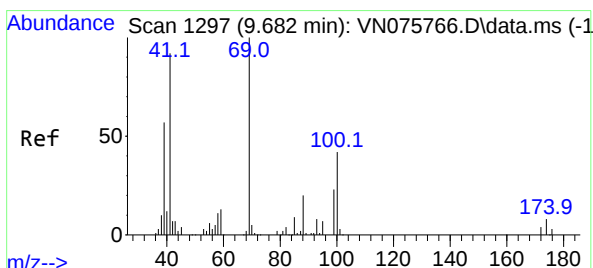
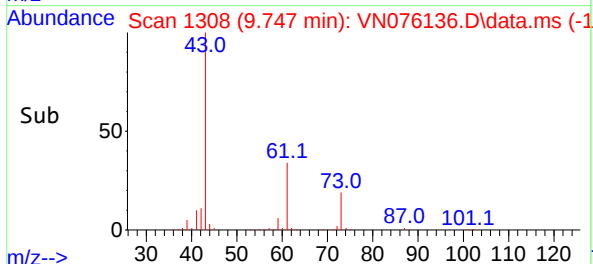
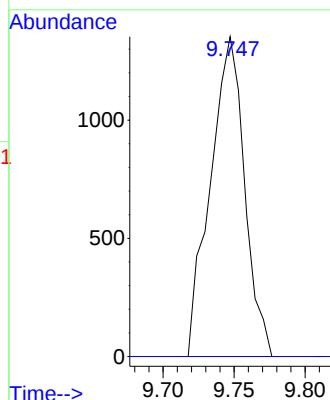
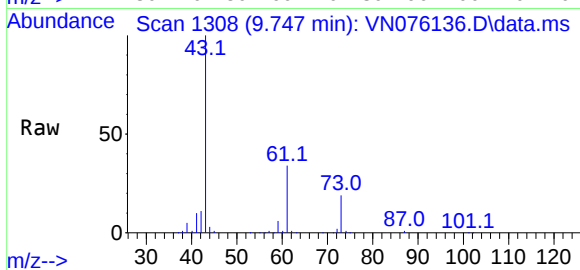
TP-6

Tgt Ion: 63 Resp: 2268

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 1.605 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.018 min

Lab File: VN076136.D

Acq: 06 Jan 2023 16:12

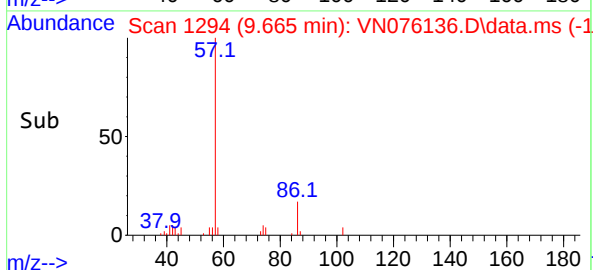
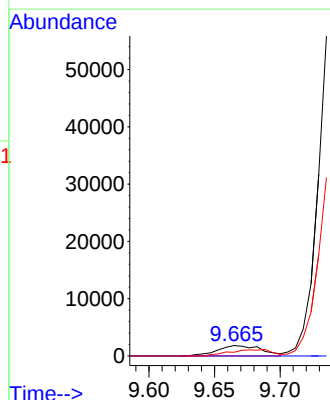
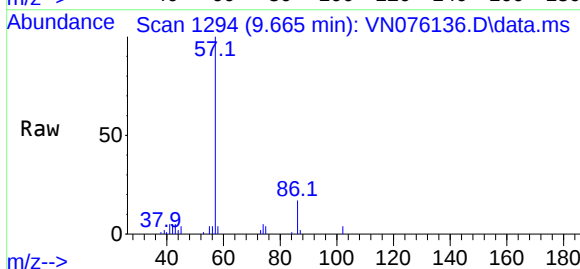
Tgt Ion: 41 Resp: 4250

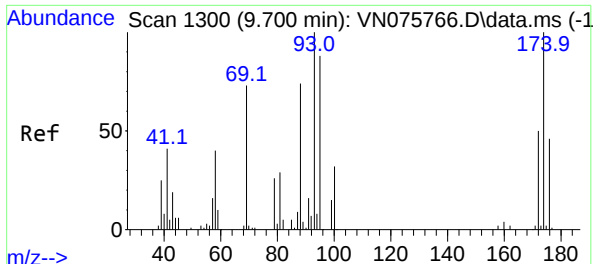
Ion Ratio Lower Upper

41 100

69 0.0 81.9 122.9#

39 0.0 51.6 77.4#

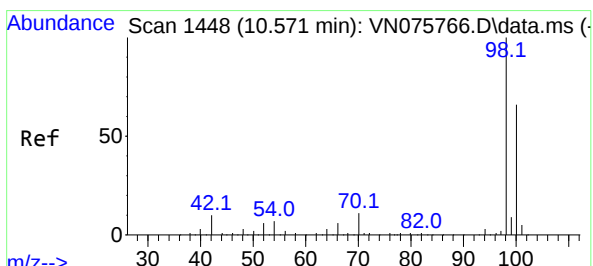
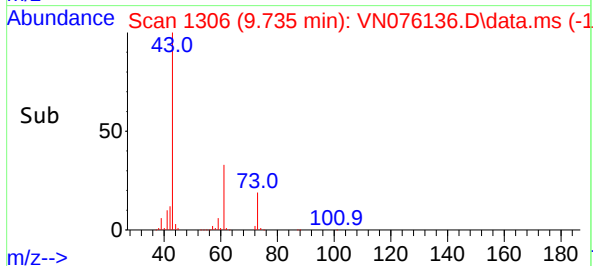
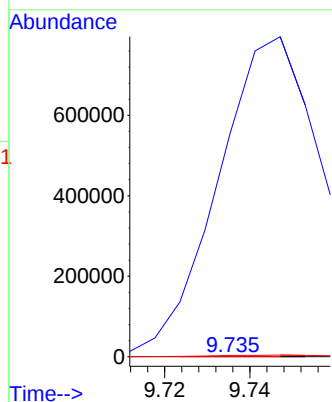
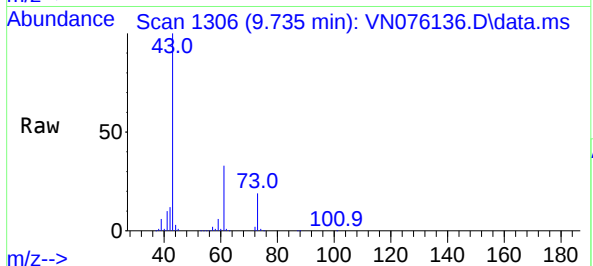




#49
1,4-Dioxane
Concen: 0.875 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

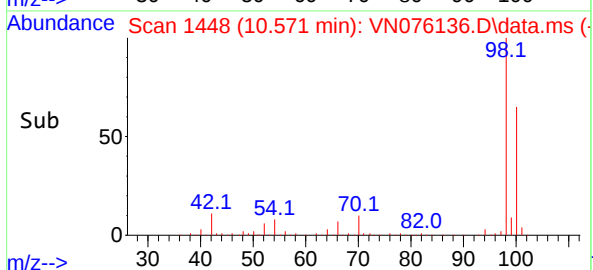
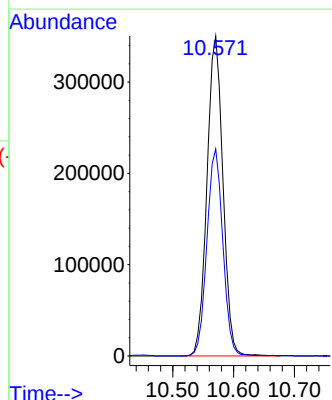
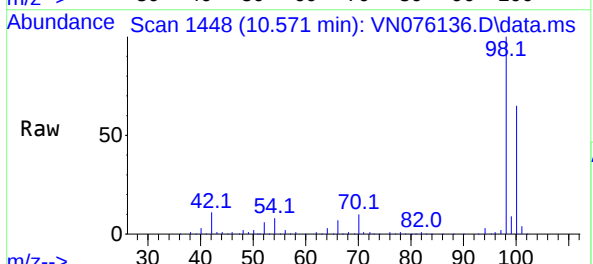
Instrument :
MSVOA_N
ClientSampleId :
TP-6

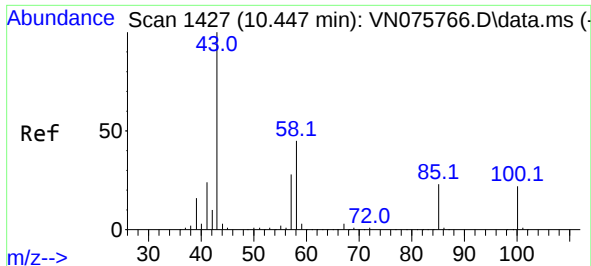
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 17.1 25.7#
58 0.0 47.8 71.8#



#50
Toluene-d8
Concen: 51.083 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

Tgt Ion: 98 Resp: 638058
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 4.164 ug/l

RT: 10.453 min Scan# 1428

Delta R.T. 0.006 min

Lab File: VN076136.D

Acq: 06 Jan 2023 16:12

Instrument :

MSVOA_N

ClientSampleId :

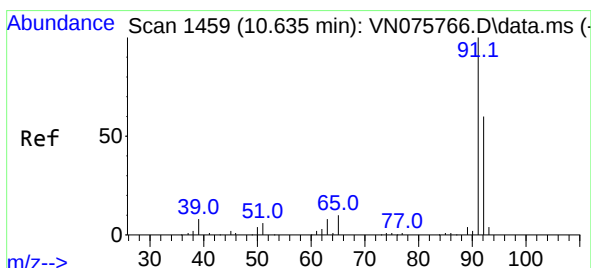
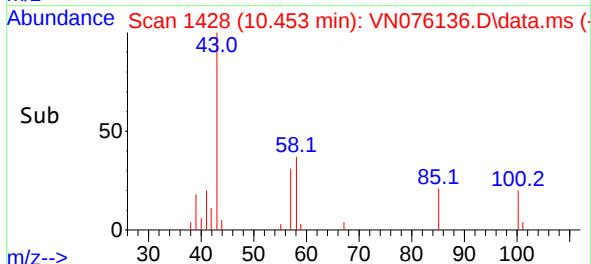
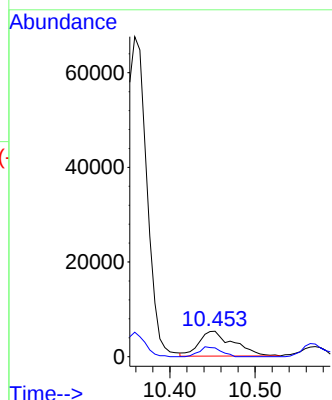
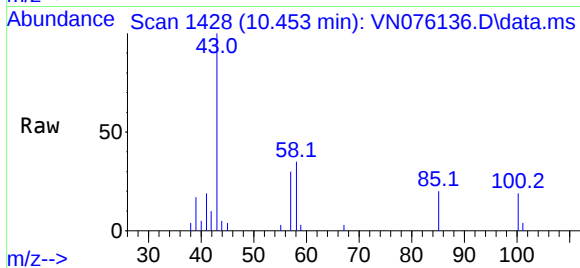
TP-6

Tgt Ion: 43 Resp: 14806

Ion Ratio Lower Upper

43 100

58 24.7 35.5 53.3#



#52

Toluene

Concen: 0.303 ug/l

RT: 10.635 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VN076136.D

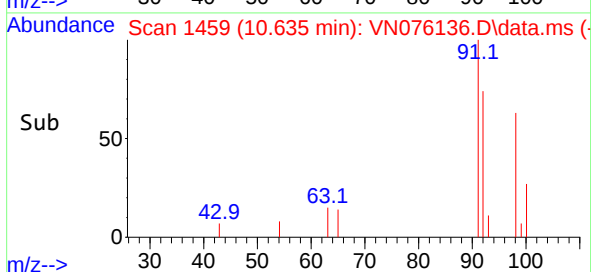
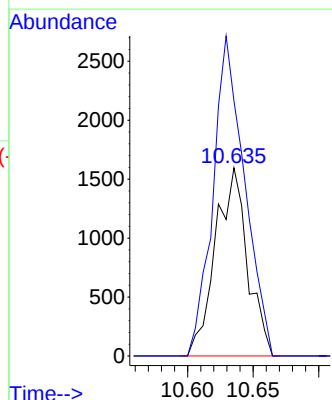
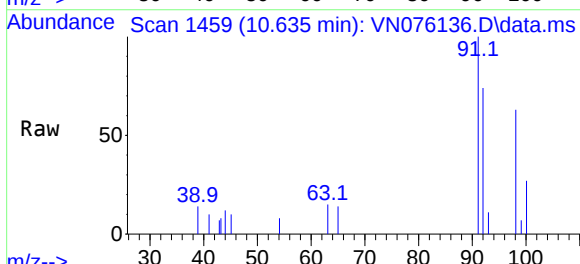
Acq: 06 Jan 2023 16:12

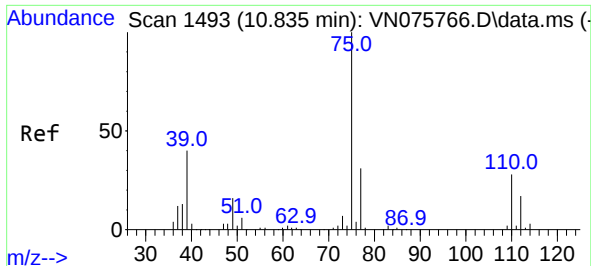
Tgt Ion: 92 Resp: 2706

Ion Ratio Lower Upper

92 100

91 168.2 137.3 205.9

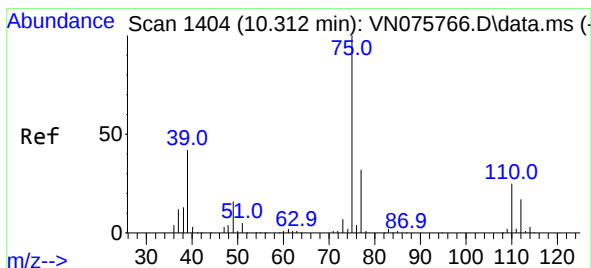
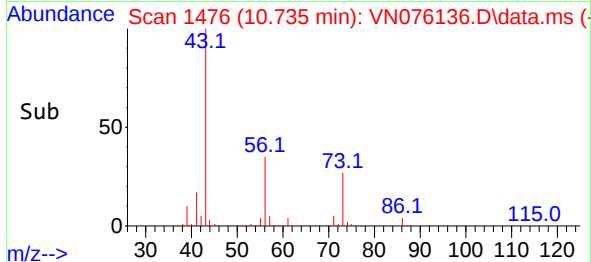
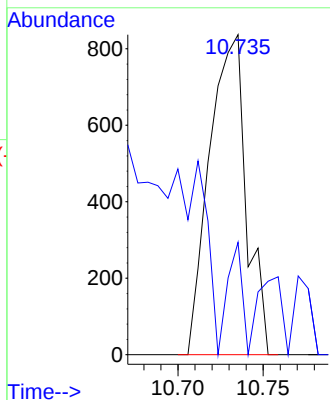
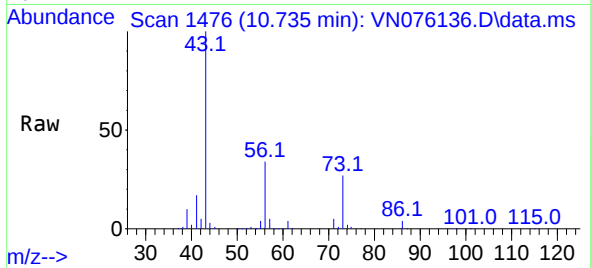




#53
t-1,3-Dichloropropene
Concen: 0.266 ug/l
RT: 10.735 min Scan# 1412
Delta R.T. -0.100 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

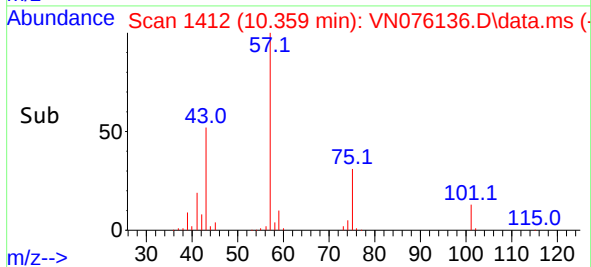
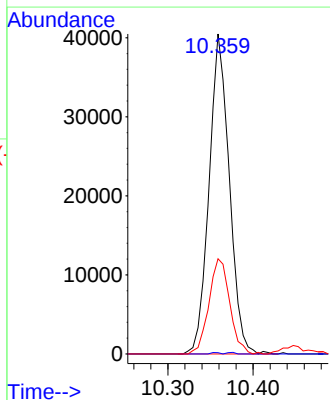
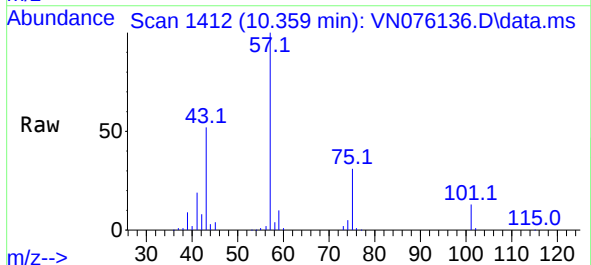
Instrument :
MSVOA_N
ClientSampleId :
TP-6

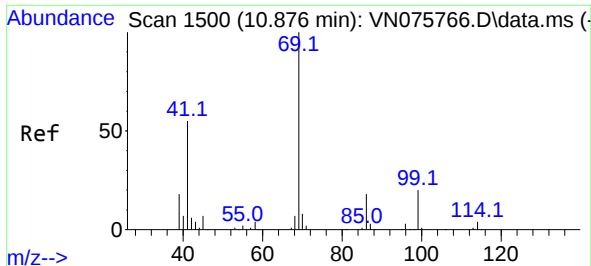
Tgt Ion: 75 Resp: 1260
Ion Ratio Lower Upper
75 100
77 10.8 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 12.805 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

Tgt Ion: 75 Resp: 66699
Ion Ratio Lower Upper
75 100
77 0.4 25.8 38.8#
39 29.7 33.4 50.2#

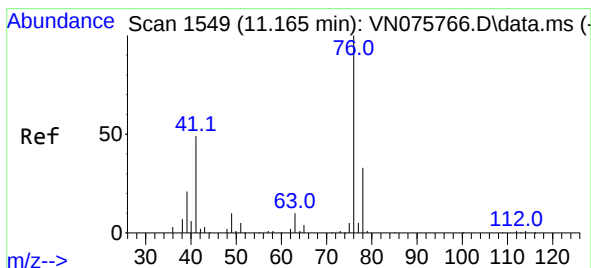
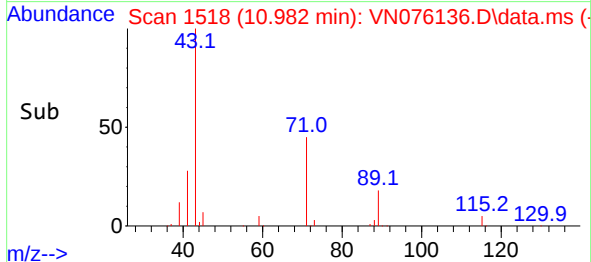
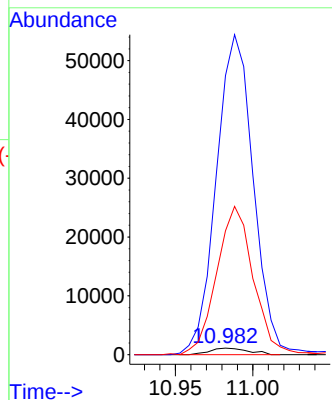
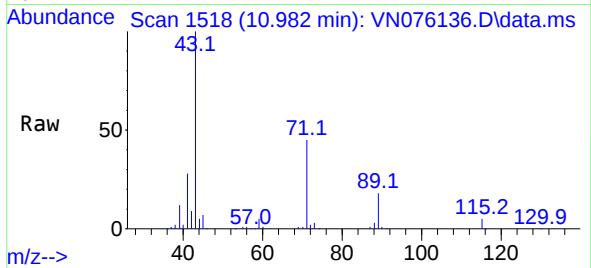




#56
Ethyl methacrylate
Concen: 0.415 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

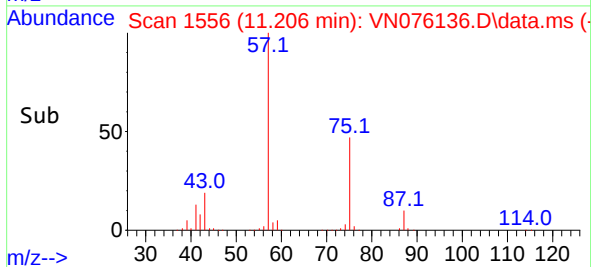
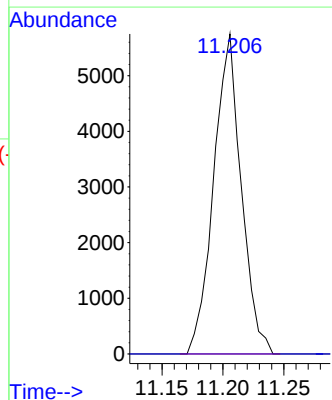
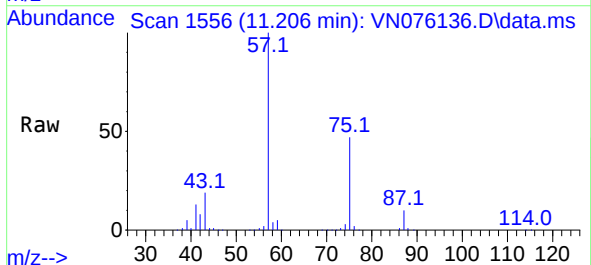
Instrument :
MSVOA_N
ClientSampleId :
TP-6

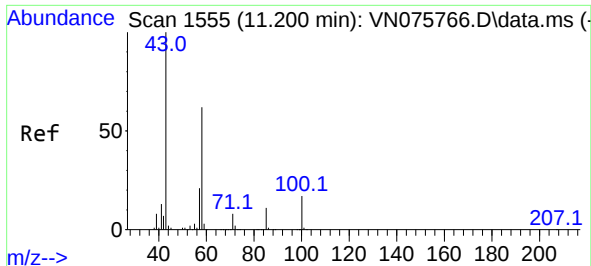
Tgt Ion: 69 Resp: 1929
Ion Ratio Lower Upper
69 100
41 4704.0 44.2 66.4#
39 2154.2 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.579 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

Tgt Ion: 76 Resp: 9064
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

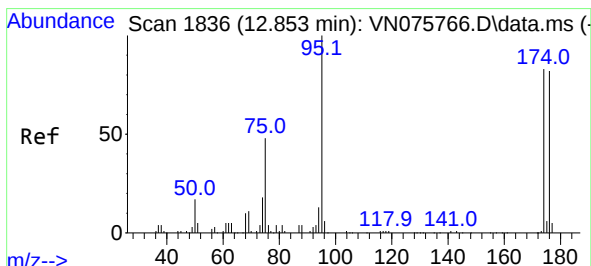
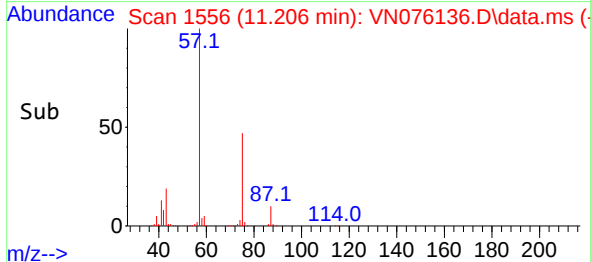
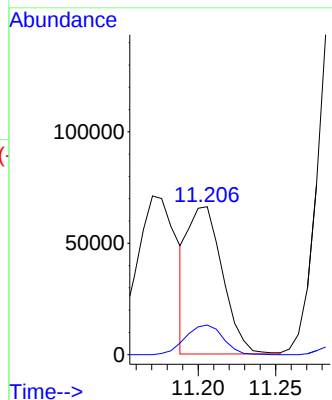
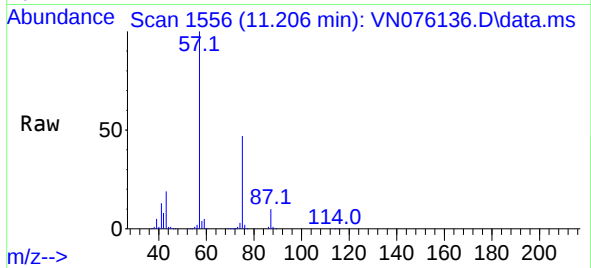




#59
2-Hexanone
Concen: 39.677 ug/l
RT: 11.206 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

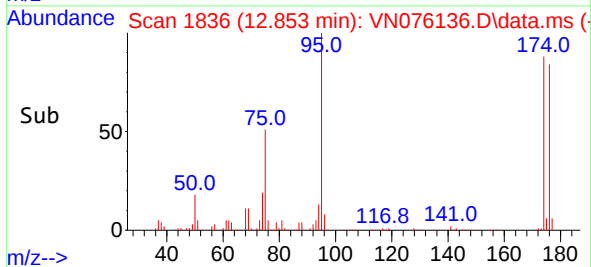
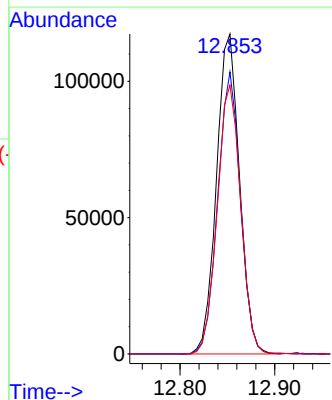
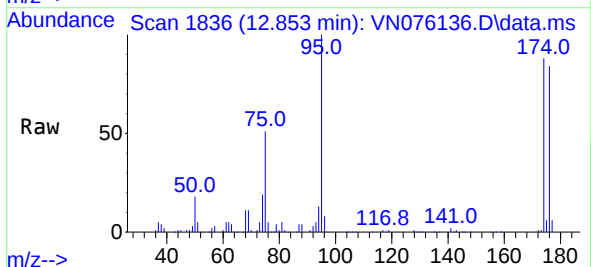
Instrument :
MSVOA_N
ClientSampleId :
TP-6

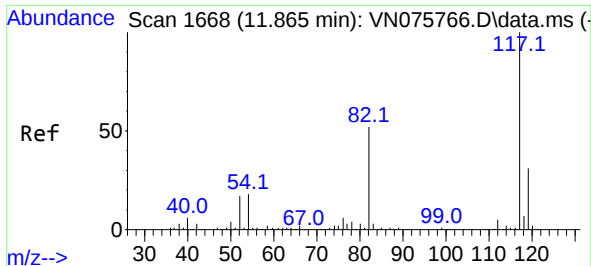
Tgt Ion: 43 Resp: 102896
Ion Ratio Lower Upper
43 100
58 21.9 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 48.074 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

Tgt Ion: 95 Resp: 198883
Ion Ratio Lower Upper
95 100
174 86.6 0.0 171.6
176 85.1 0.0 169.2

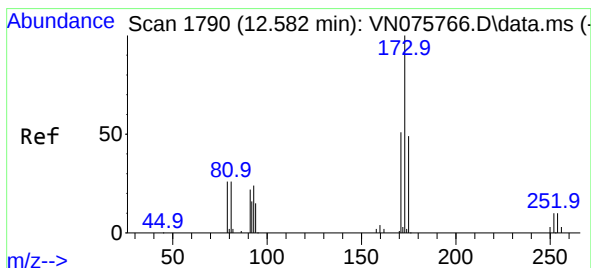
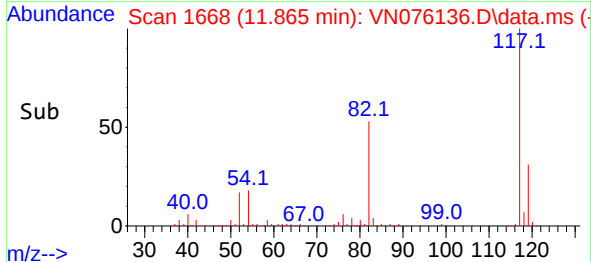
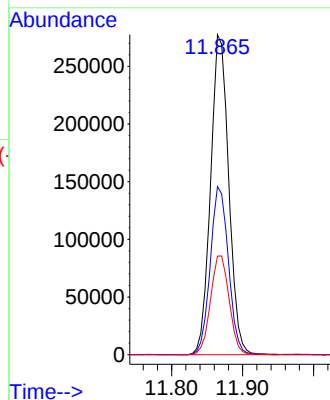
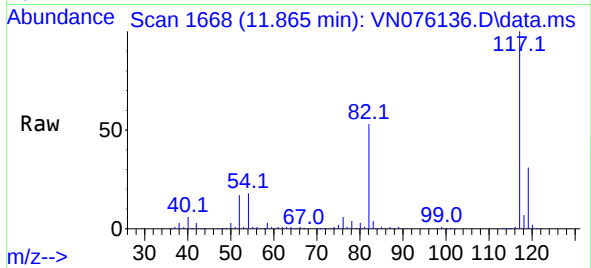




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

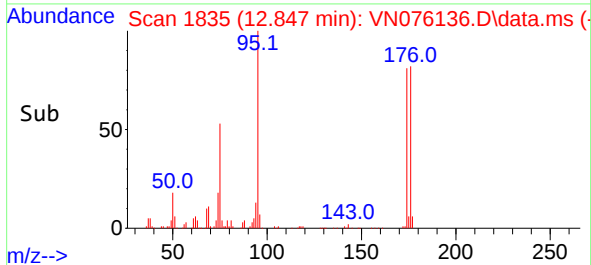
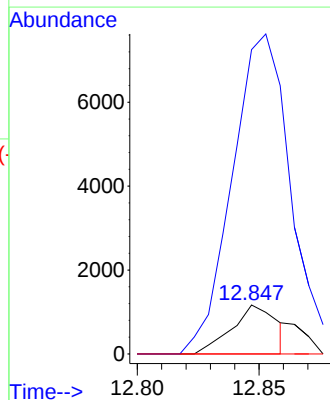
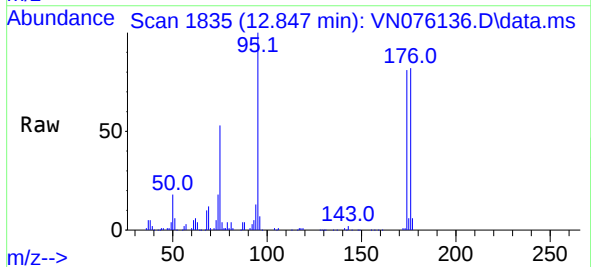
Instrument :
MSVOA_N
ClientSampleId :
TP-6

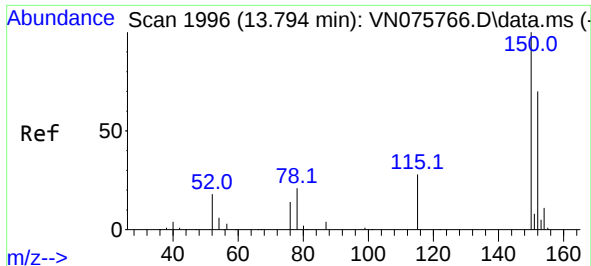
Tgt Ion:117 Resp: 492106
Ion Ratio Lower Upper
117 100
82 52.5 41.3 61.9
119 30.8 24.6 37.0



#71
Bromoform
Concen: 0.549 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

Tgt Ion:173 Resp: 1495
Ion Ratio Lower Upper
173 100
175 719.1 24.3 72.8#
254 0.0 0.0 0.0

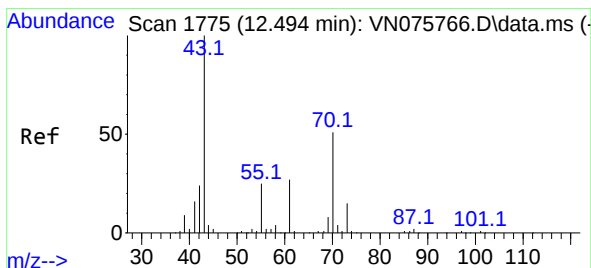
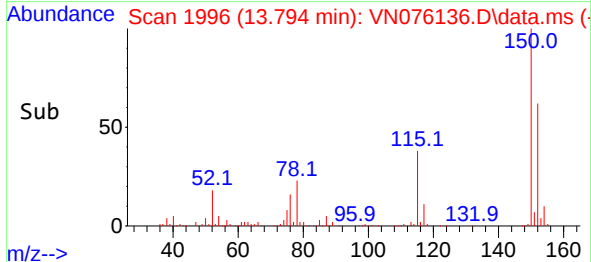
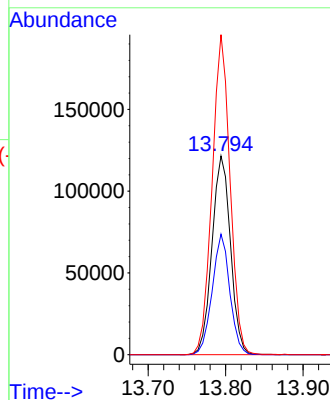
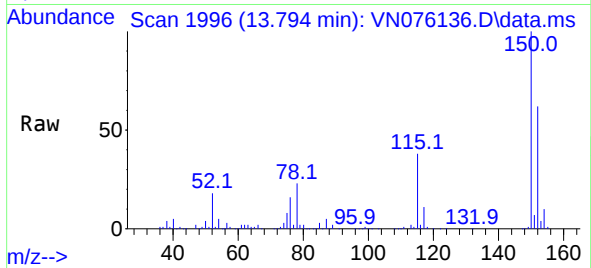




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

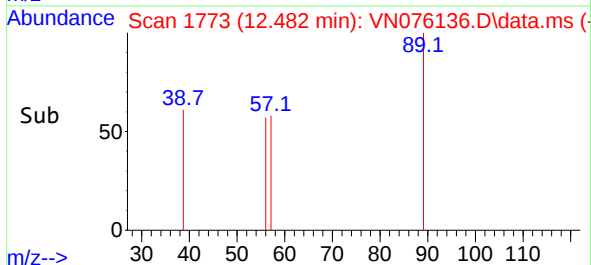
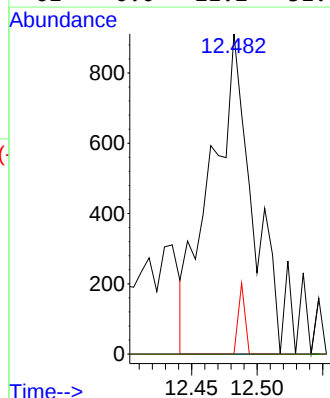
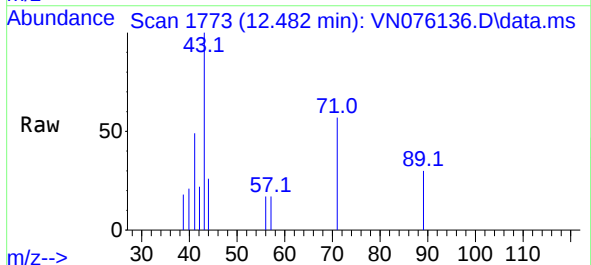
Instrument :
MSVOA_N
ClientSampleId :
TP-6

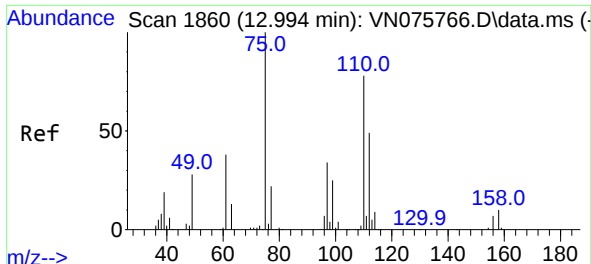
Tgt Ion:152 Resp: 201498
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.4
150 156.2 0.0 347.0



#74
N-ethyl acetate
Concen: 0.472 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

Tgt Ion: 43 Resp: 2015
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.0#
55 3.5 21.3 31.9#
61 0.0 21.2 31.8#

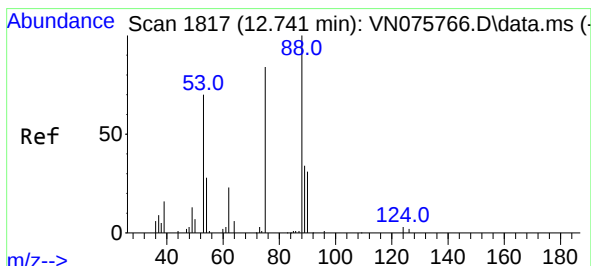
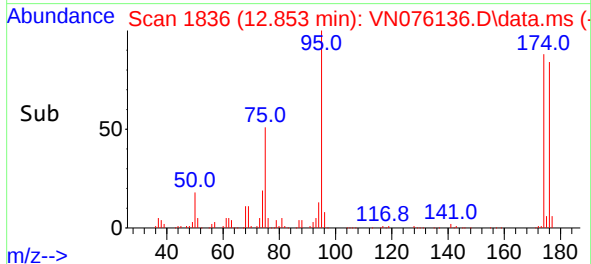
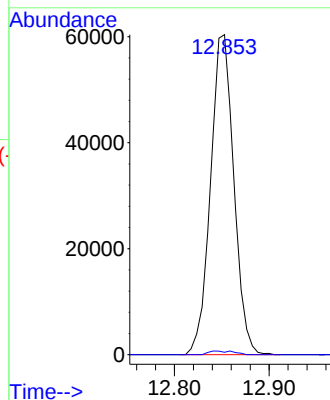
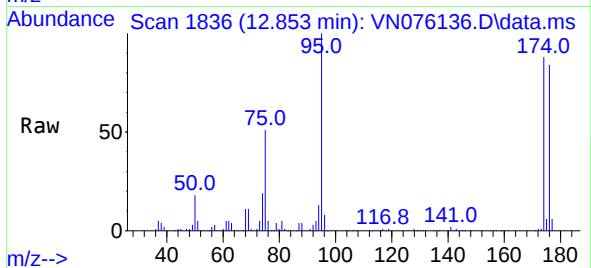




#76
1,2,3-Trichloropropane
Concen: 25.451 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

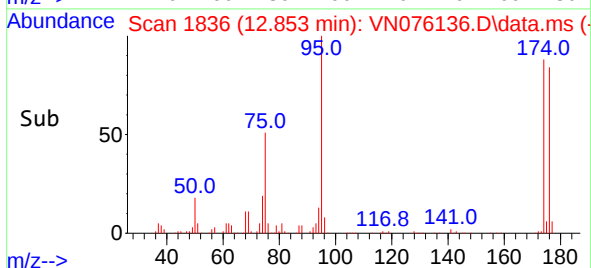
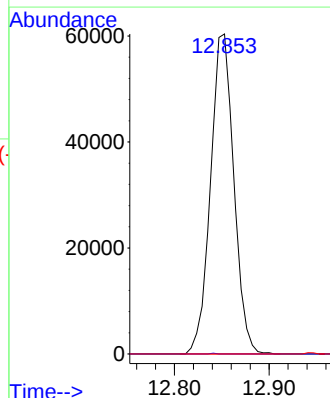
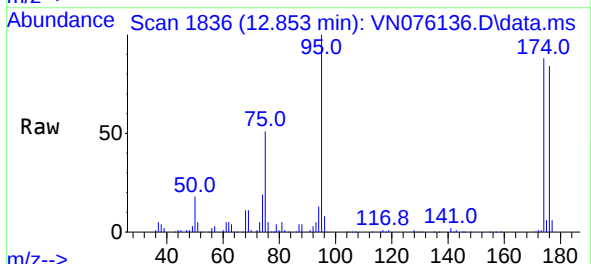
Instrument :
MSVOA_N
ClientSampleId :
TP-6

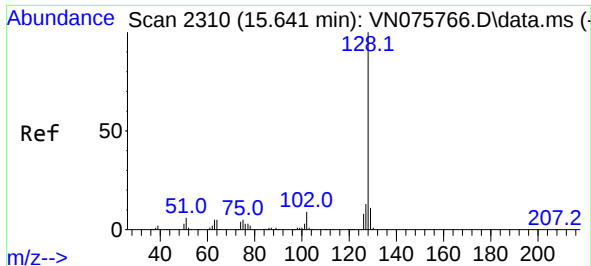
Tgt Ion: 75 Resp: 103376
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.612 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076136.D
Acq: 06 Jan 2023 16:12

Tgt Ion: 75 Resp: 103376
Ion Ratio Lower Upper
75 100
53 0.1 73.8 110.6#
89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 2.222 ug/l

RT: 15.653 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN076136.D

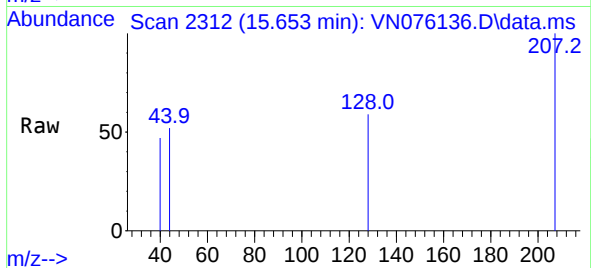
Acq: 06 Jan 2023 16:12

Instrument :

MSVOA_N

ClientSampleId :

TP-6



Tgt Ion:128 Resp: 510

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

