

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010623\
 Data File : VN076132.D
 Acq On : 06 Jan 2023 14:36
 Operator : JC\MD
 Sample : 01029-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-204

Quant Time: Jan 06 22:55:39 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)

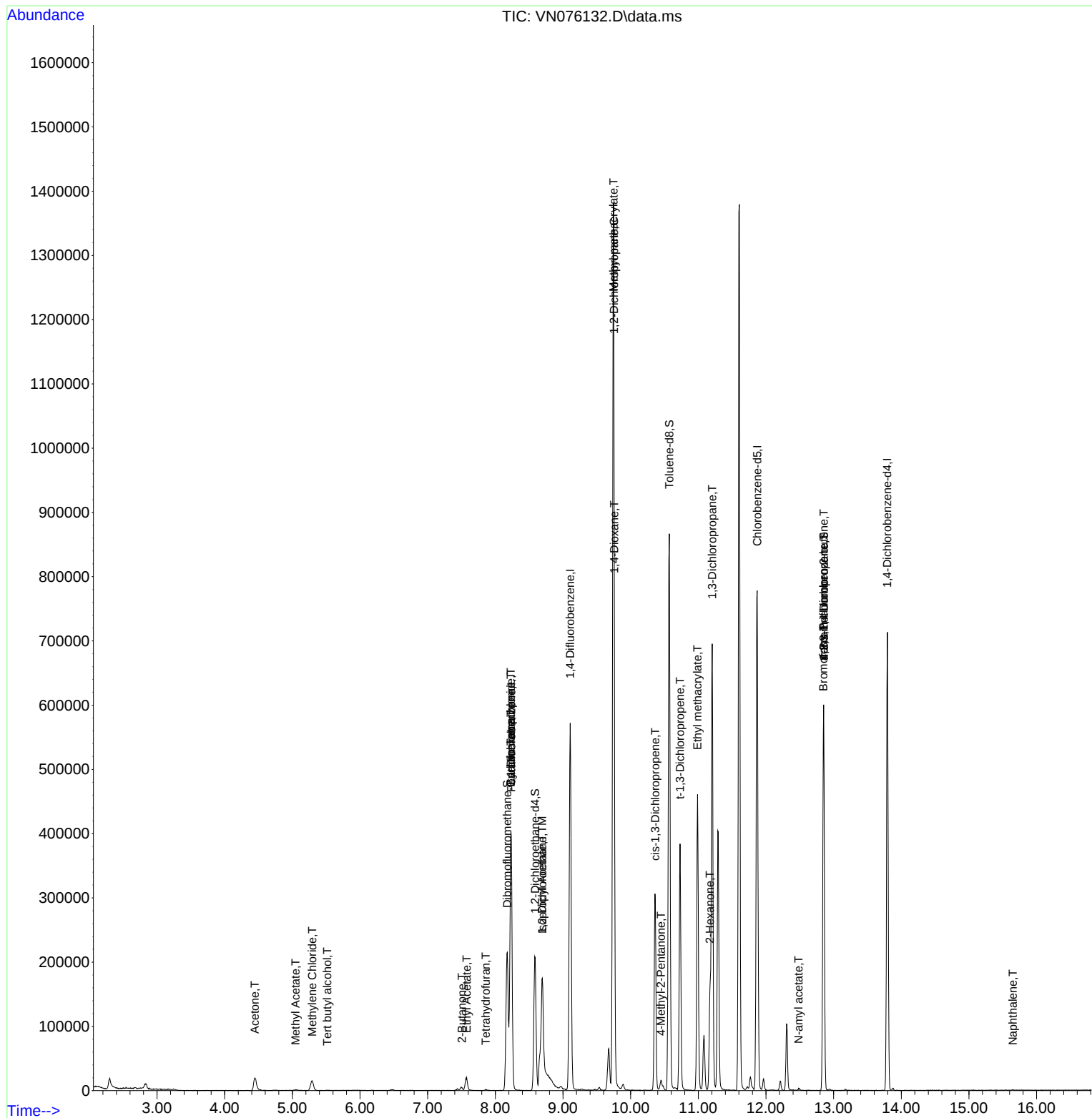
Internal Standards						
1) Pentafluorobenzene	8.235	168	317339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	520876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	475877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	172480	49.960	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.920%		
35) Dibromofluoromethane	8.177	113	155600	48.237	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.480%		
50) Toluene-d8	10.571	98	612100	50.752	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.500%		
62) 4-Bromofluorobenzene	12.853	95	192869	48.283	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.560%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	307	0.628	ug/l #	72
16) Acetone	4.447	43	38516	32.364	ug/l	98
18) Methyl Acetate	5.047	43	2536	0.721	ug/l #	64
20) Methylene Chloride	5.294	84	12638	3.373	ug/l	84
25) 2-Butanone	7.506	43	7791	4.675	ug/l #	71
29) Tetrahydrofuran	7.859	42	1094	1.048	ug/l #	55
31) Cyclohexane	8.230	56	6424	1.299	ug/l #	18
36) 1,1-Dichloropropene	8.230	75	22536	5.259	ug/l #	49
37) Ethyl Acetate	7.577	43	28905	8.398	ug/l	99
38) Carbon Tetrachloride	8.230	117	32210	6.716	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	1334	0.304	ug/l #	72
43) Isopropyl Acetate	8.694	43	242608	42.730	ug/l #	74
45) 1,2-Dichloropropane	9.753	63	2192	0.681	ug/l #	43
48) Methyl methacrylate	9.747	41	120134	46.979	ug/l #	34
49) 1,4-Dioxane	9.759	88	57	0.907	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	15209	4.429	ug/l #	71
53) t-1,3-Dichloropropene	10.729	75	1051	0.229	ug/l #	49
54) cis-1,3-Dichloropropene	10.365	75	60275	11.985	ug/l #	63
56) Ethyl methacrylate	10.988	69	1749	0.390	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7838	1.414	ug/l #	42
59) 2-Hexanone	11.171	43	119460	47.707	ug/l #	20
71) Bromoform	12.847	173	1200	0.456	ug/l #	1
74) N-amyl acetate	12.482	43	1408	0.343	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	101594	26.066	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	101594	93.824	ug/l #	12
95) Naphthalene	15.647	128	990	2.268	ug/l #	69

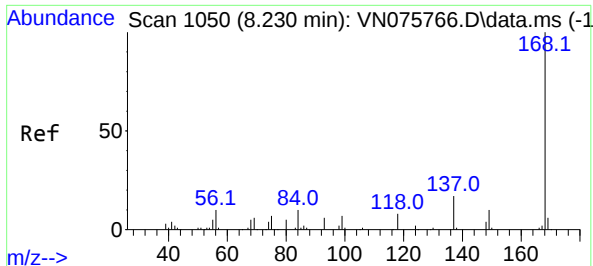
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1050

Delta R.T. 0.005 min

Lab File: VN076132.D

Acq: 06 Jan 2023 14:36

Instrument :

MSVOA_N

ClientSampleId :

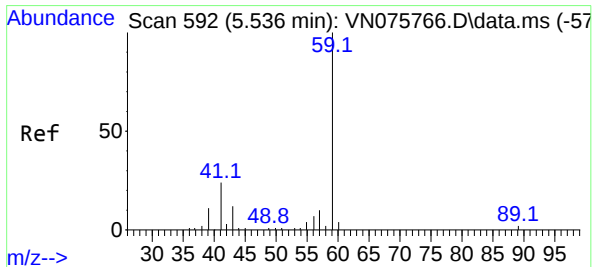
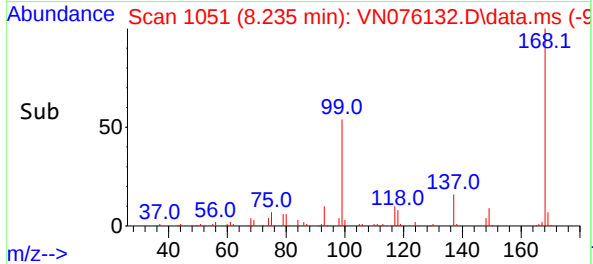
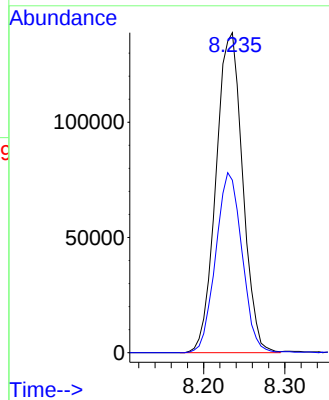
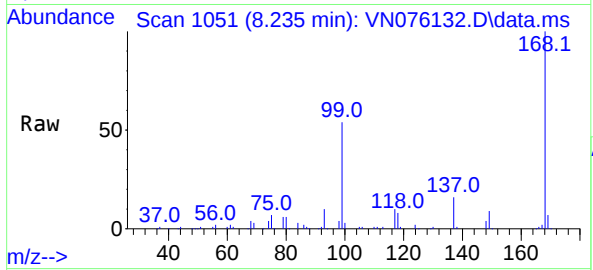
TP-204

Tgt Ion:168 Resp: 317339

Ion Ratio Lower Upper

168 100

99 53.9 44.2 66.4



#11

Tert butyl alcohol

Concen: 0.628 ug/l

RT: 5.518 min Scan# 589

Delta R.T. -0.018 min

Lab File: VN076132.D

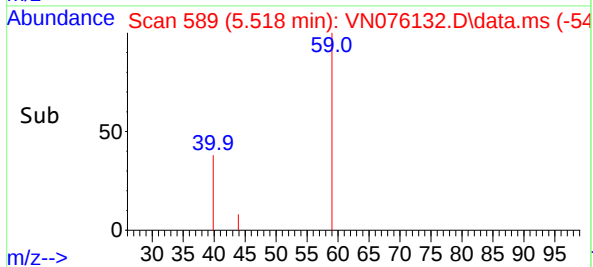
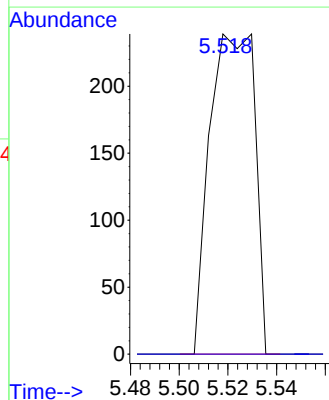
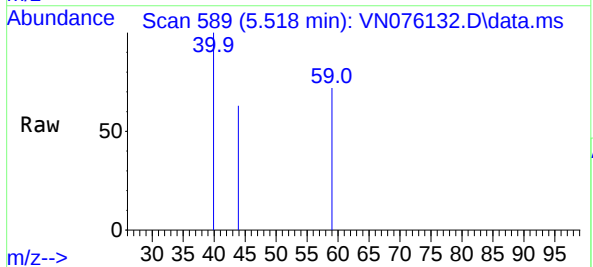
Acq: 06 Jan 2023 14:36

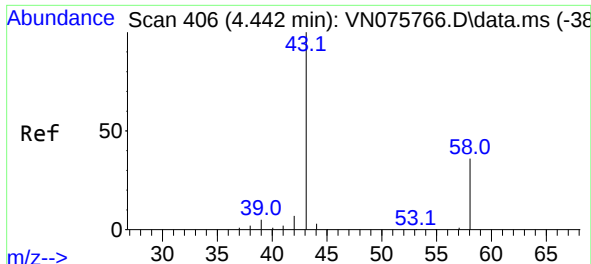
Tgt Ion: 59 Resp: 307

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

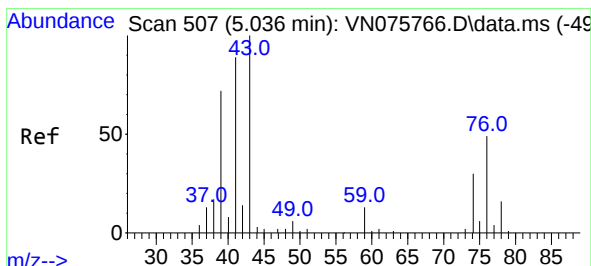
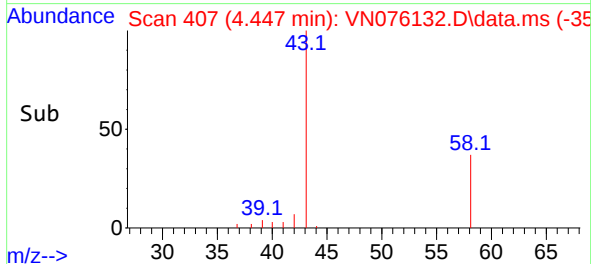
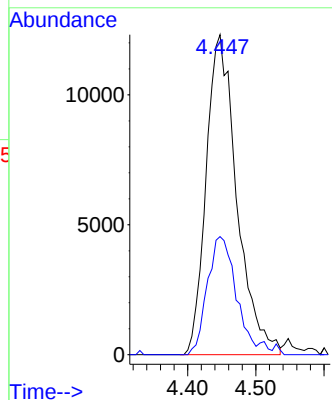
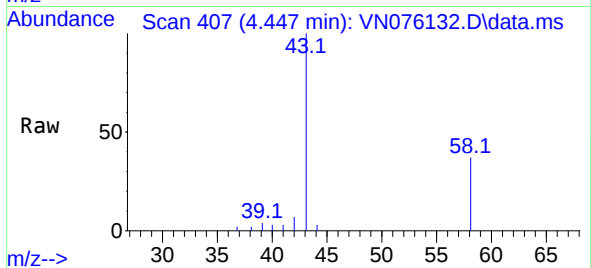




#16
Acetone
Concen: 32.364 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

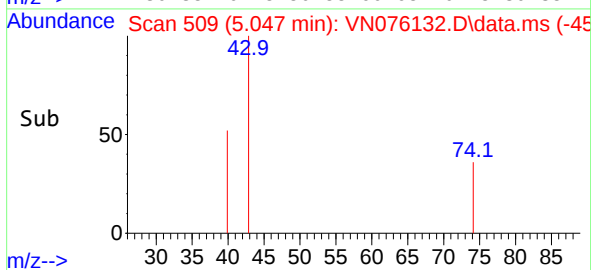
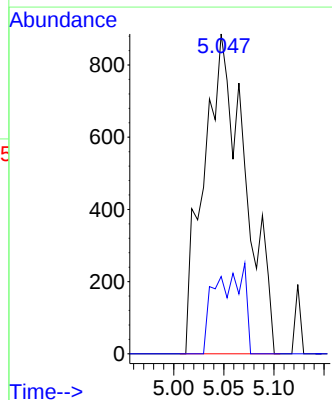
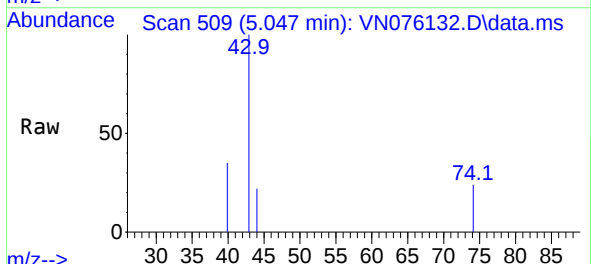
Instrument :
MSVOA_N
ClientSampleId :
TP-204

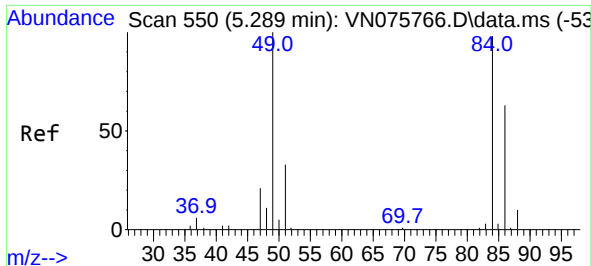
Tgt Ion: 43 Resp: 38516
Ion Ratio Lower Upper
43 100
58 36.9 28.6 43.0



#18
Methyl Acetate
Concen: 0.721 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Tgt Ion: 43 Resp: 2536
Ion Ratio Lower Upper
43 100
74 10.2 23.6 35.4#



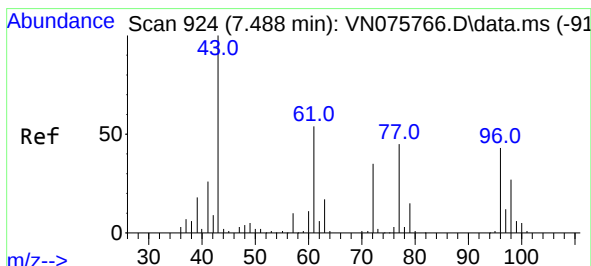
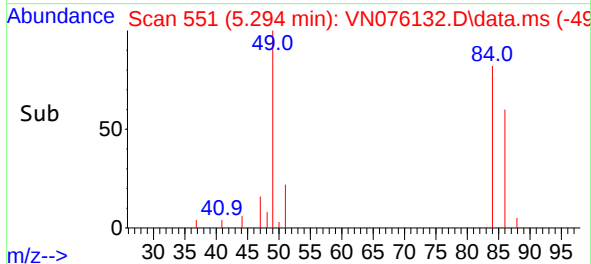
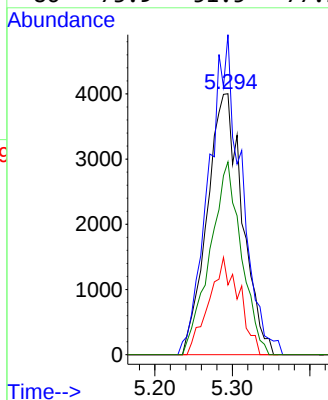
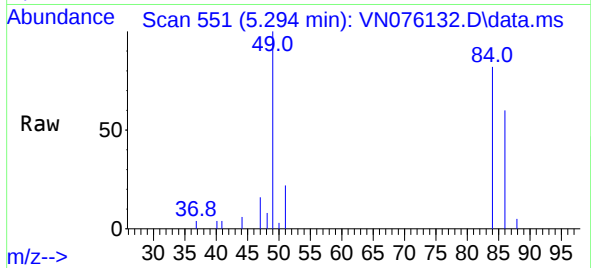


#20
Methylene Chloride
Concen: 3.373 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Instrument :
MSVOA_N
ClientSampleId :
TP-204

Tgt Ion: 84 Resp: 12638

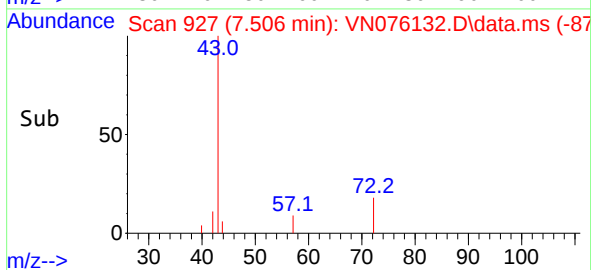
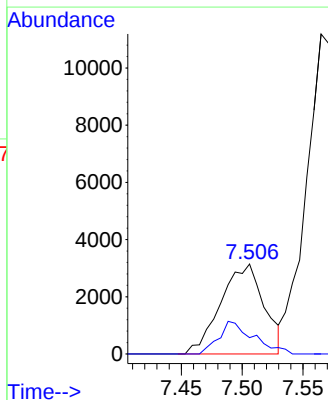
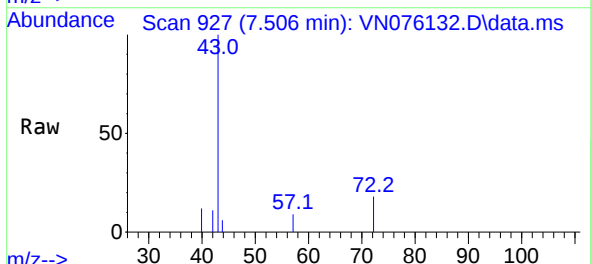
Ion	Ratio	Lower	Upper
84	100		
49	122.6	81.8	122.6
51	26.7	26.7	40.1
86	73.9	51.5	77.3

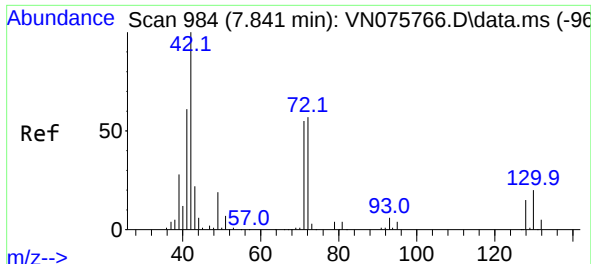


#25
2-Butanone
Concen: 4.675 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Tgt Ion: 43 Resp: 7791

Ion	Ratio	Lower	Upper
43	100		
72	18.1	28.0	42.0#





#29

Tetrahydrofuran

Concen: 1.048 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076132.D

Acq: 06 Jan 2023 14:36

Instrument :

MSVOA_N

ClientSampleId :

TP-204

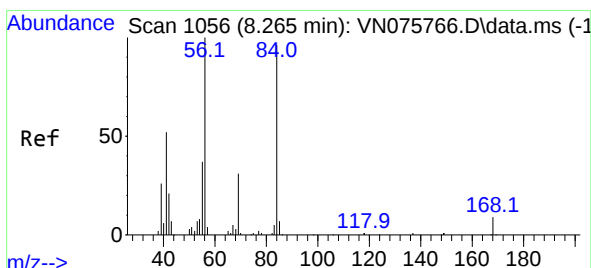
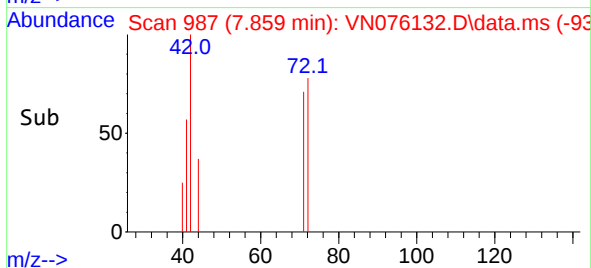
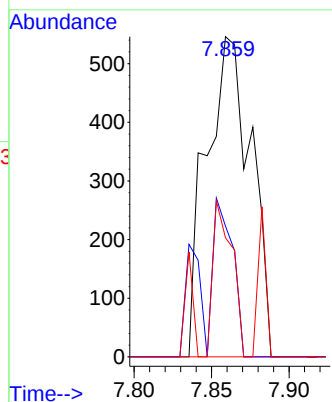
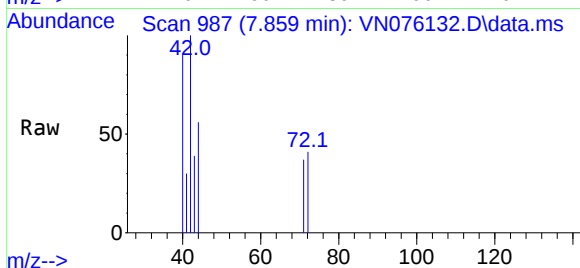
Tgt Ion: 42 Resp: 1094

Ion Ratio Lower Upper

42 100

72 21.8 44.5 66.7#

71 21.0 41.0 61.6#



#31

Cyclohexane

Concen: 1.299 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076132.D

Acq: 06 Jan 2023 14:36

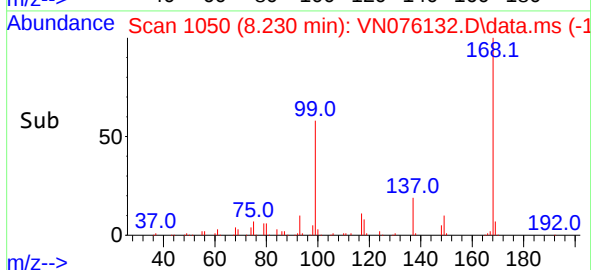
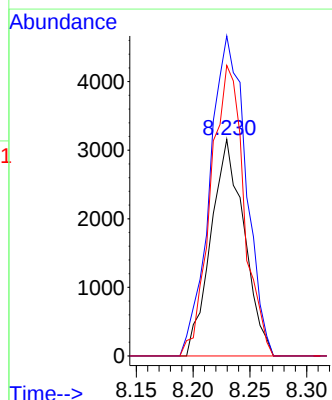
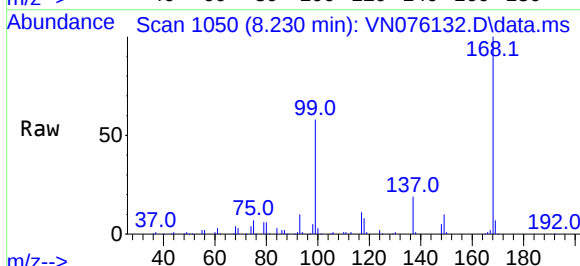
Tgt Ion: 56 Resp: 6424

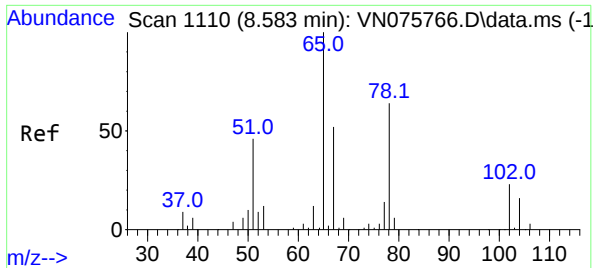
Ion Ratio Lower Upper

56 100

69 147.8 24.7 37.1#

84 134.1 76.5 114.7#

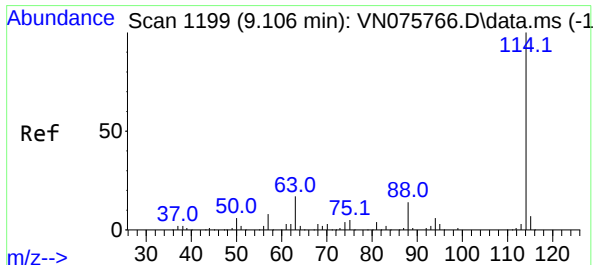
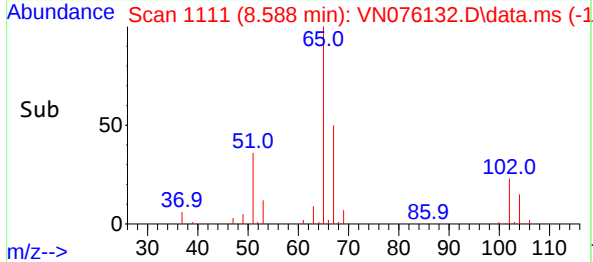
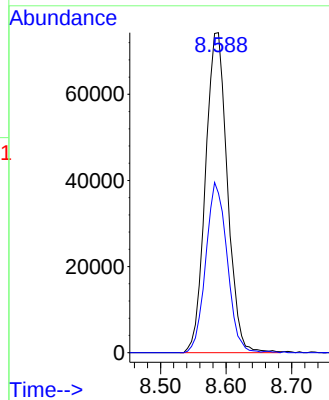
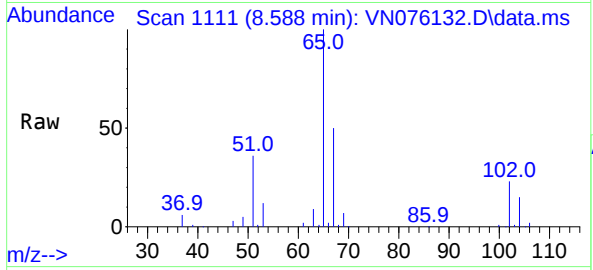




#33
1,2-Dichloroethane-d4
Concen: 49.960 ug/l
RT: 8.588 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

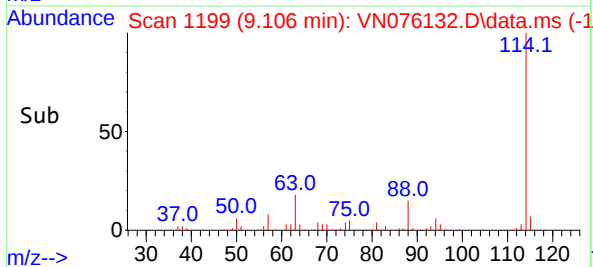
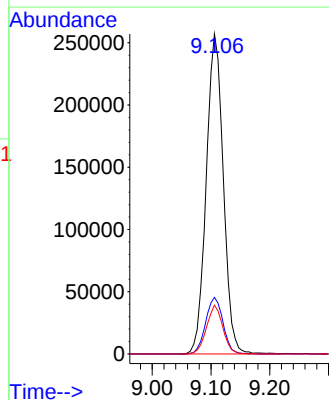
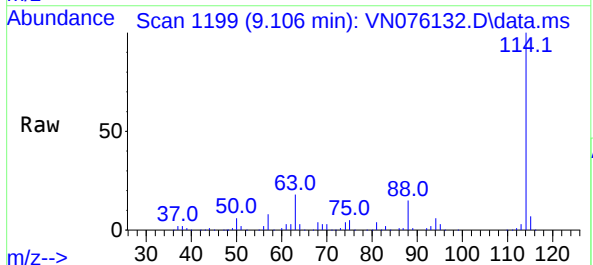
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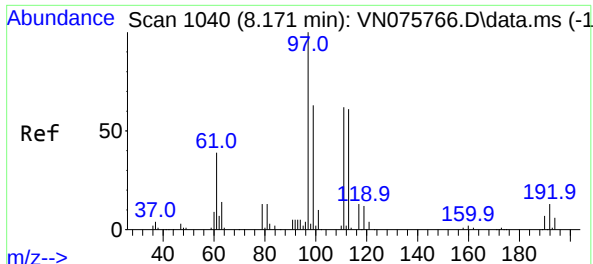
Tgt Ion: 65 Resp: 172480
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Tgt Ion: 114 Resp: 520876
Ion Ratio Lower Upper
114 100
63 17.7 0.0 34.4
88 15.2 0.0 28.8

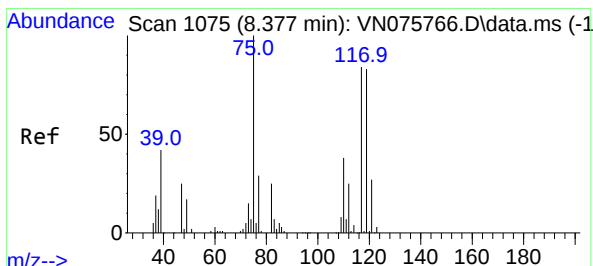
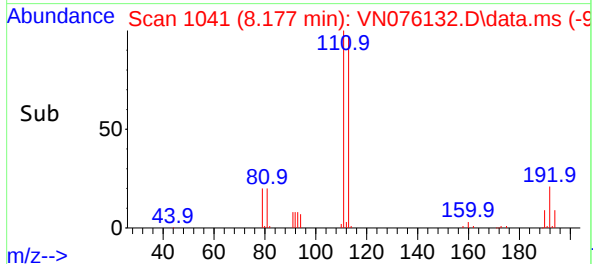
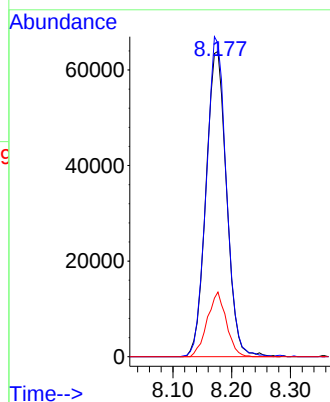
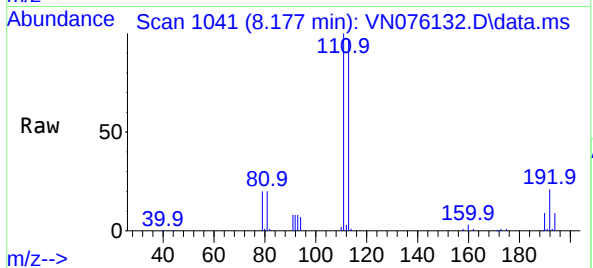




#35
Dibromofluoromethane
Concen: 48.237 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

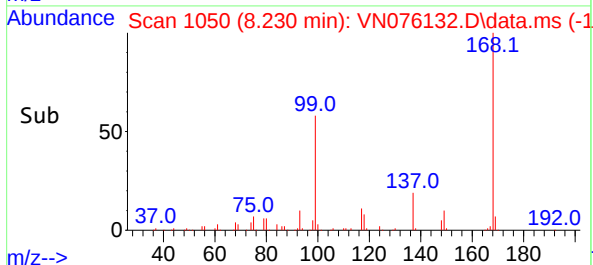
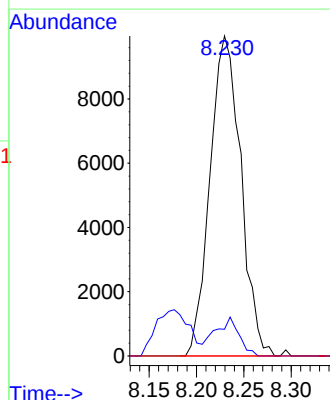
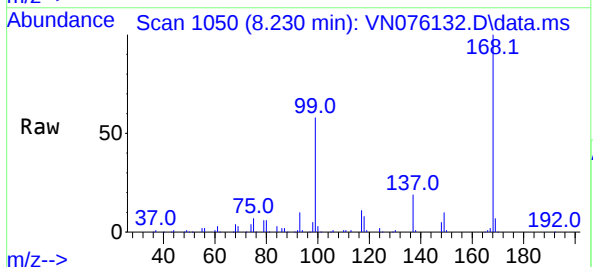
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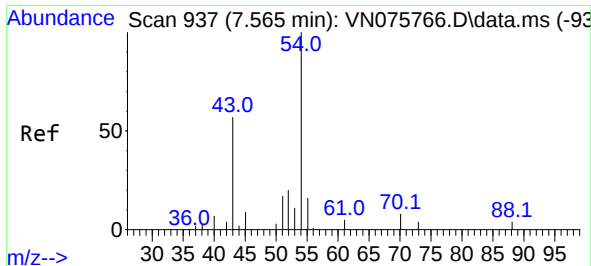
Tgt Ion:113 Resp: 155600
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.2
192 19.7 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.259 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Tgt Ion: 75 Resp: 22536
Ion Ratio Lower Upper
75 100
110 9.4 18.8 56.4#
77 0.0 24.1 36.1#

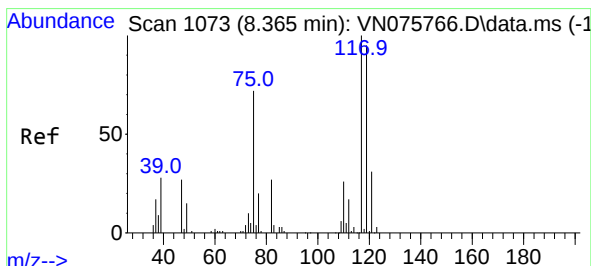
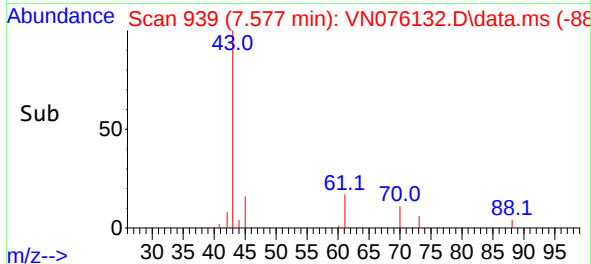
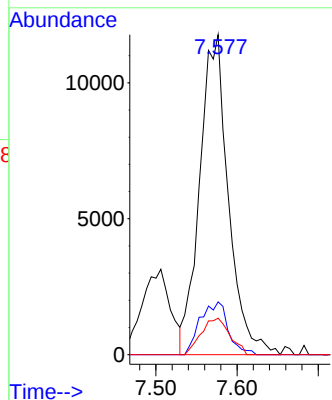
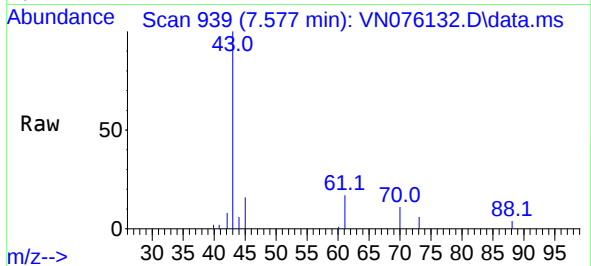




#37
Ethyl Acetate
Concen: 8.398 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

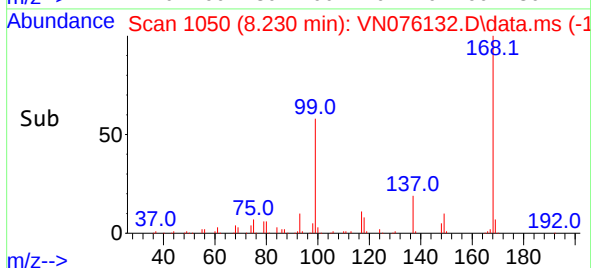
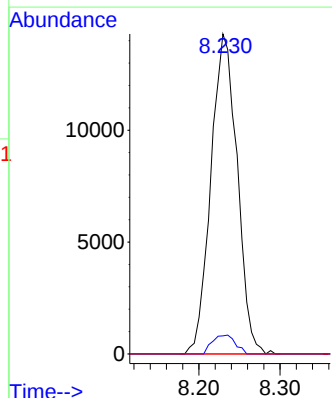
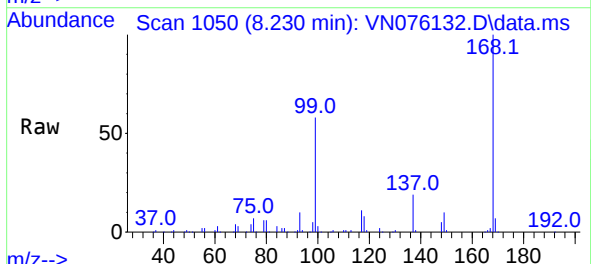
Instrument :
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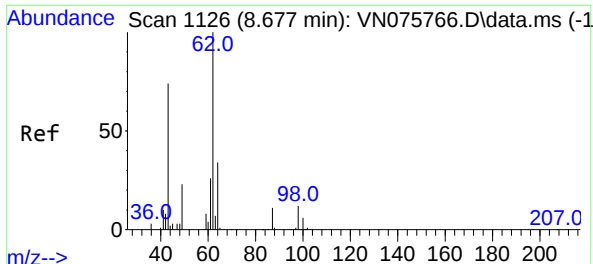
Tgt Ion:	43	Resp:	28905
Ion	Ratio	Lower	Upper
43	100		
61	16.1	13.0	19.4
70	11.4	9.4	14.0



#38
Carbon Tetrachloride
Concen: 6.716 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Tgt Ion:	117	Resp:	32210
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.1	114.1#
121	0.0	24.5	36.7#

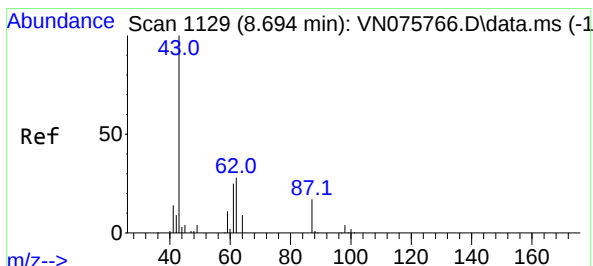
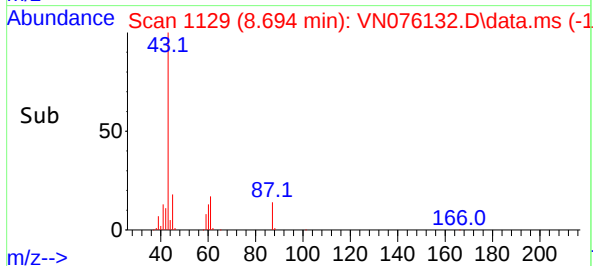
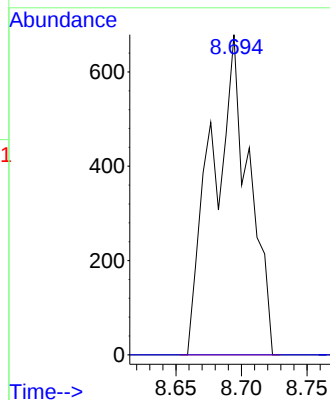
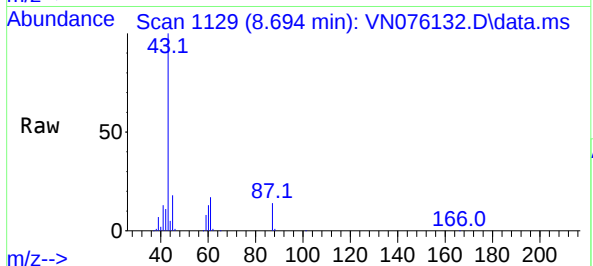




#42
1,2-Dichloroethane
Concen: 0.304 ug/l
RT: 8.694 min Scan# 1126
Delta R.T. 0.018 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

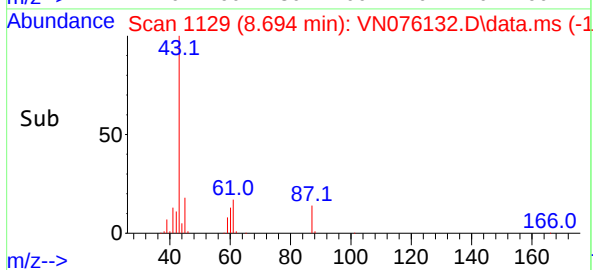
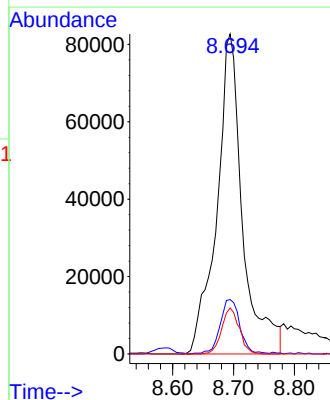
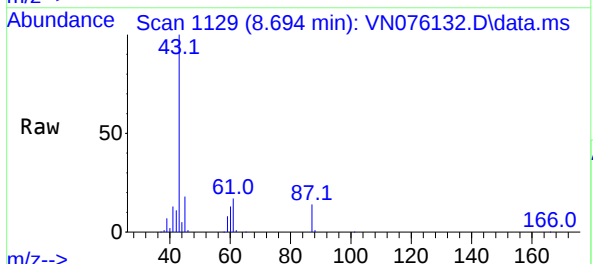
Instrument :
MSVOA_N
ClientSampleId :
TP-204

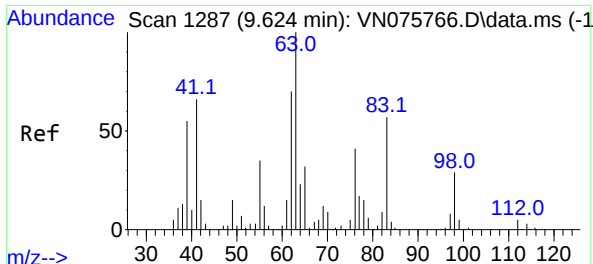
Tgt Ion: 62 Resp: 1334
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8



#43
Isopropyl Acetate
Concen: 42.730 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Tgt Ion: 43 Resp: 242608
Ion Ratio Lower Upper
43 100
61 13.1 24.2 36.4#
87 9.8 13.3 19.9#

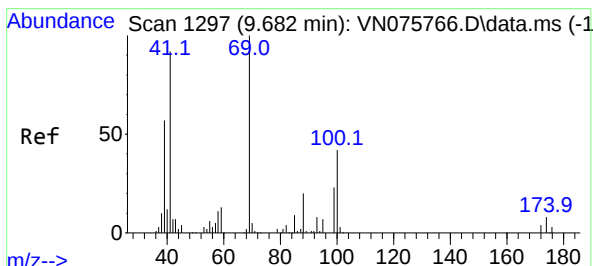
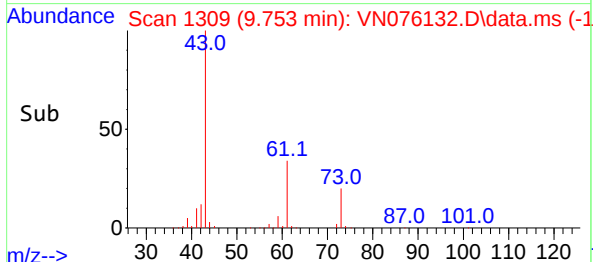
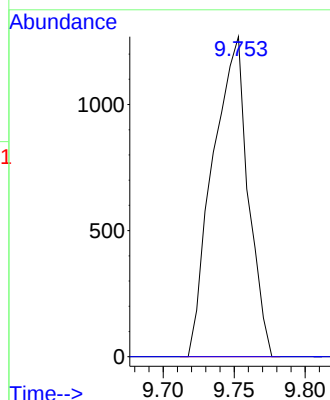
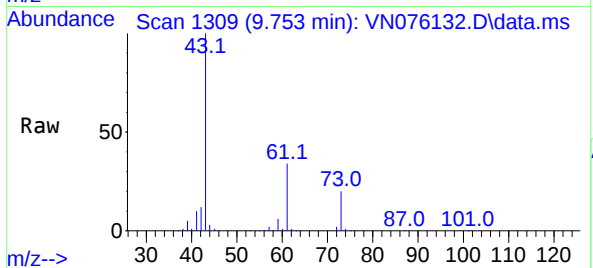




#45
1,2-Dichloropropane
Concen: 0.681 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.129 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

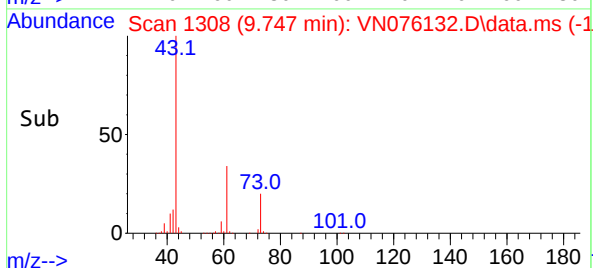
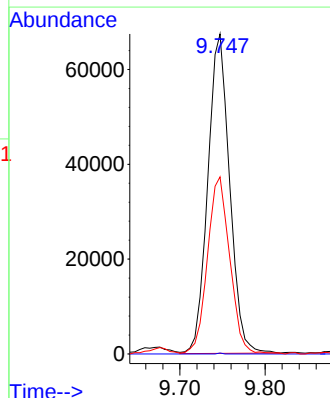
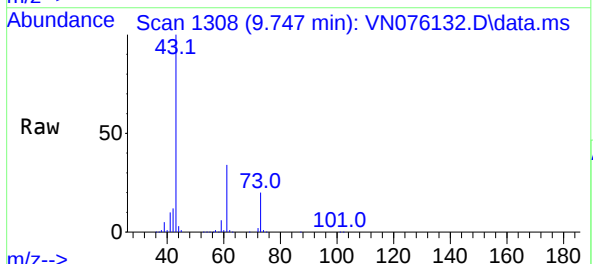
Instrument :
MSVOA_N
ClientSampleId :
TP-204

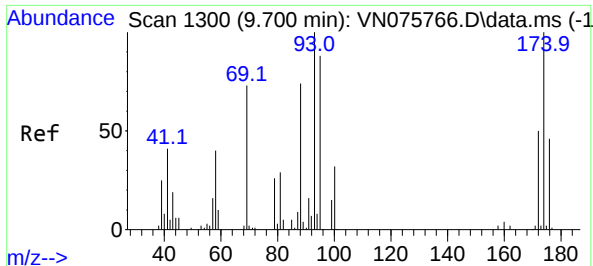
Tgt Ion: 63 Resp: 2192
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#



#48
Methyl methacrylate
Concen: 46.979 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.065 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Tgt Ion: 41 Resp: 120134
Ion Ratio Lower Upper
41 100
69 0.1 81.9 122.9#
39 56.8 51.6 77.4





#49

1,4-Dioxane

Concen: 0.907 ug/l

RT: 9.759 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN076132.D

Acq: 06 Jan 2023 14:36

Instrument :

MSVOA_N

ClientSampleId :

TP-204

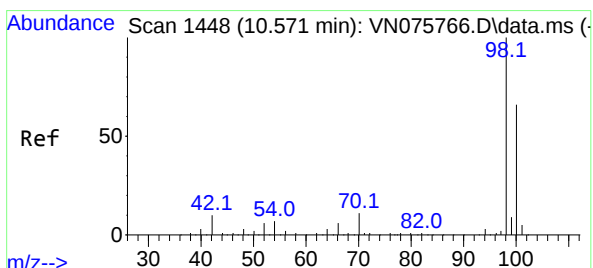
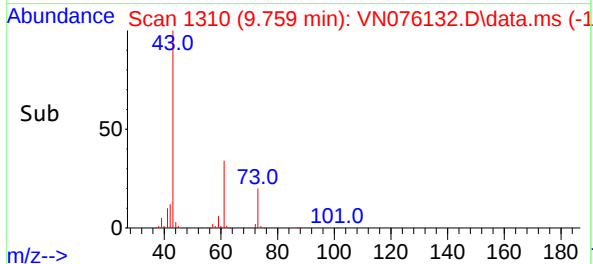
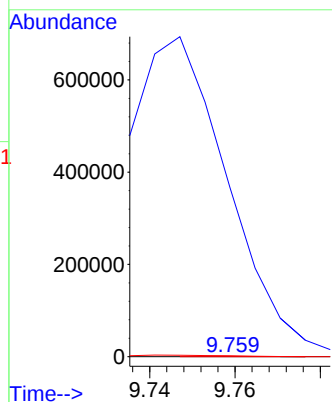
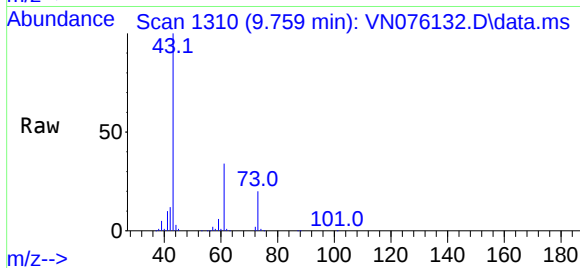
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 2187408.8 17.1 25.7#

58 10507.0 47.8 71.8#



#50

Toluene-d8

Concen: 50.752 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076132.D

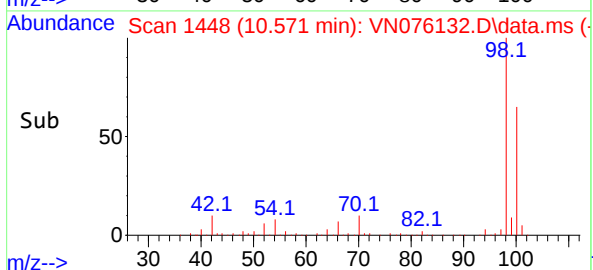
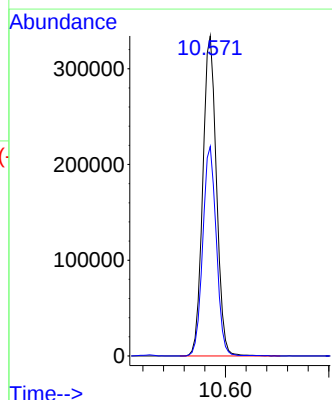
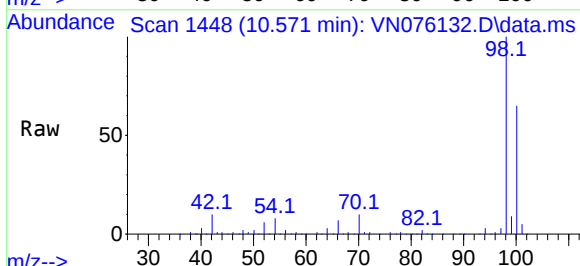
Acq: 06 Jan 2023 14:36

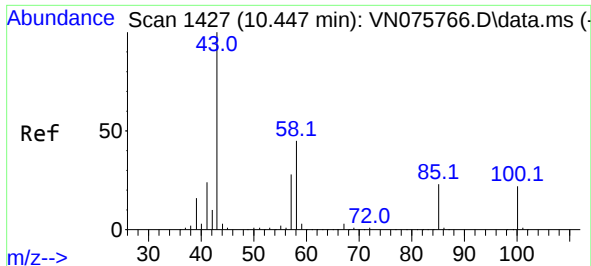
Tgt Ion: 98 Resp: 612100

Ion Ratio Lower Upper

98 100

100 65.0 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 4.429 ug/l

RT: 10.447 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN076132.D

Acq: 06 Jan 2023 14:36

Instrument :

MSVOA_N

ClientSampleId :

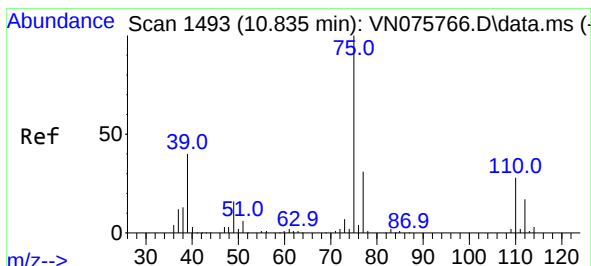
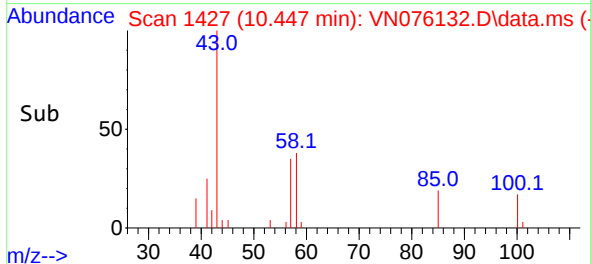
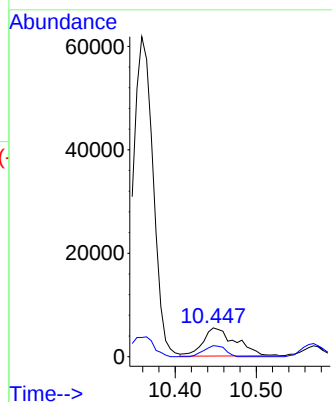
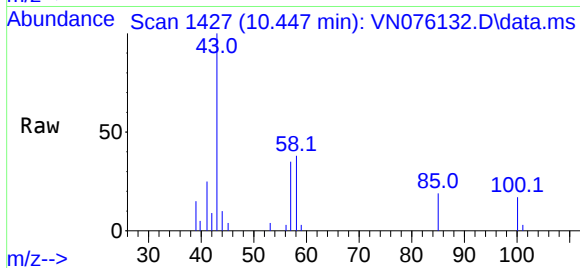
TP-204

Tgt Ion: 43 Resp: 15209

Ion Ratio Lower Upper

43 100

58 25.6 35.5 53.3#



#53

t-1,3-Dichloropropene

Concen: 0.229 ug/l

RT: 10.729 min Scan# 1475

Delta R.T. -0.106 min

Lab File: VN076132.D

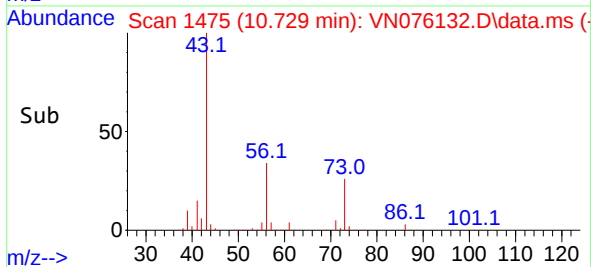
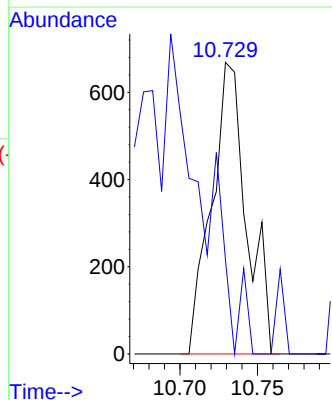
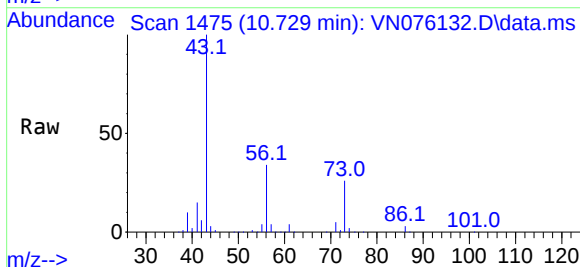
Acq: 06 Jan 2023 14:36

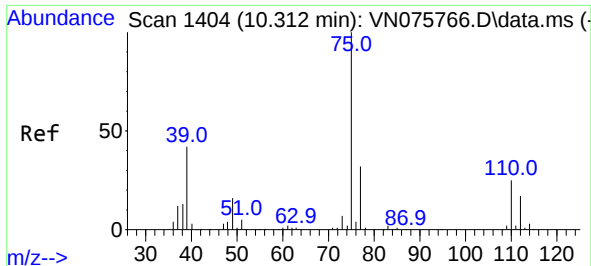
Tgt Ion: 75 Resp: 1051

Ion Ratio Lower Upper

75 100

77 3.1 24.9 37.3#

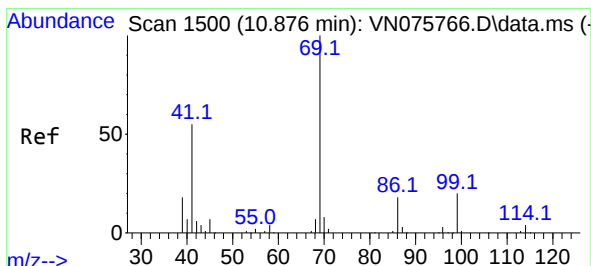
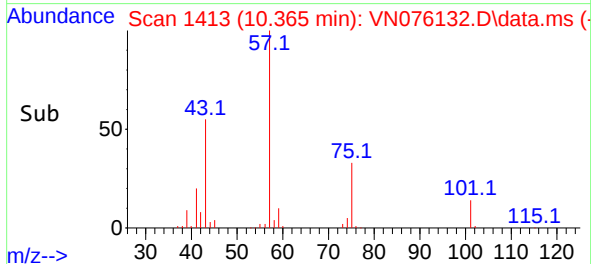
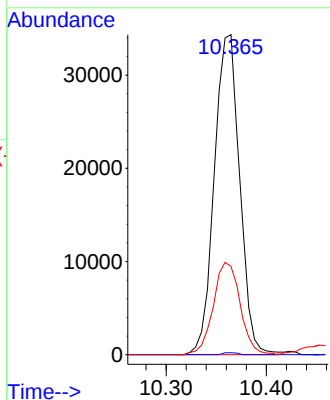
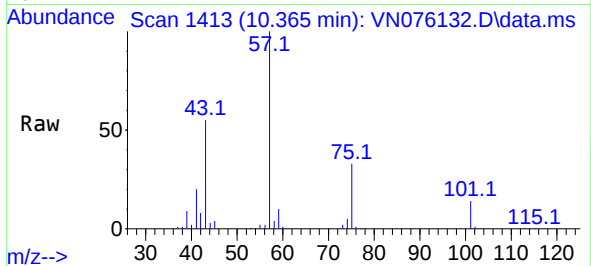




#54
cis-1,3-Dichloropropene
Concen: 11.985 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.053 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

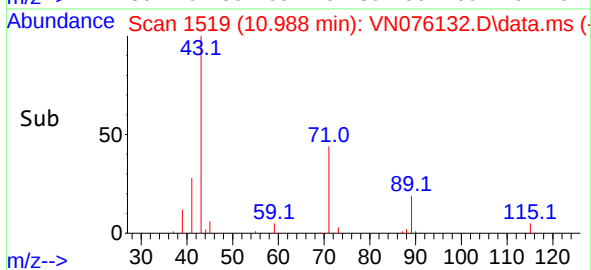
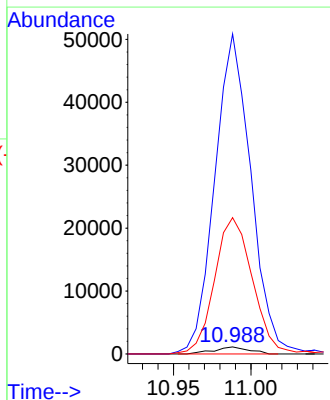
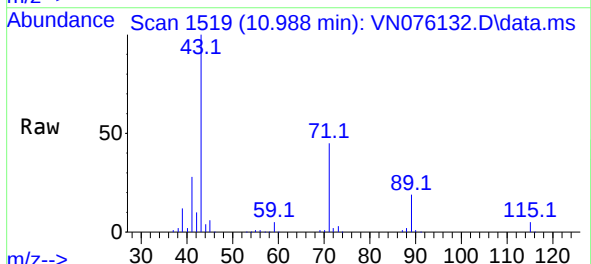
Instrument :
MSVOA_N
ClientSampleId :
TP-204

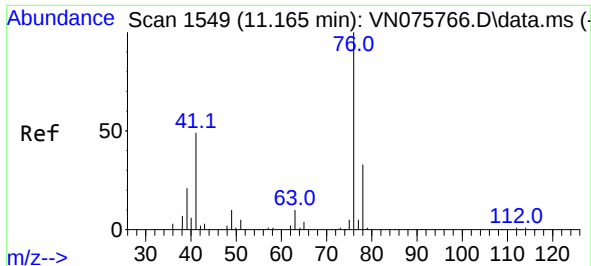
Tgt Ion: 75 Resp: 60275
Ion Ratio Lower Upper
75 100
77 0.6 25.8 38.8#
39 27.6 33.4 50.2#



#56
Ethyl methacrylate
Concen: 0.390 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Tgt Ion: 69 Resp: 1749
Ion Ratio Lower Upper
69 100
41 4742.9 44.2 66.4#
39 2110.7 26.4 39.6#





#57

1,3-Dichloropropane

Concen: 1.414 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076132.D

Acq: 06 Jan 2023 14:36

Instrument :

MSVOA_N

ClientSampleId :

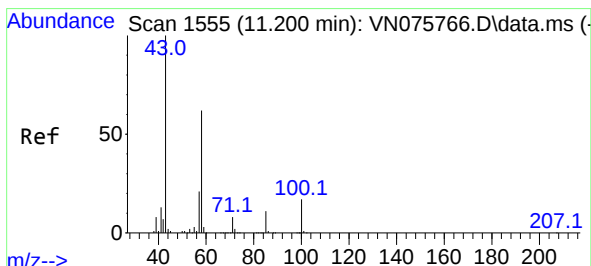
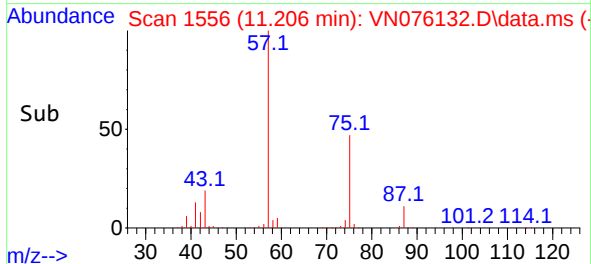
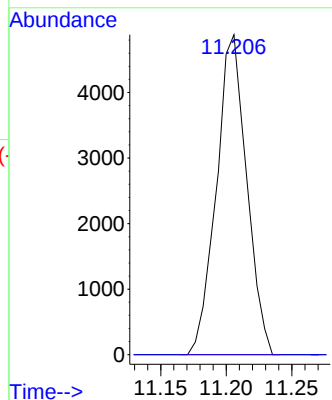
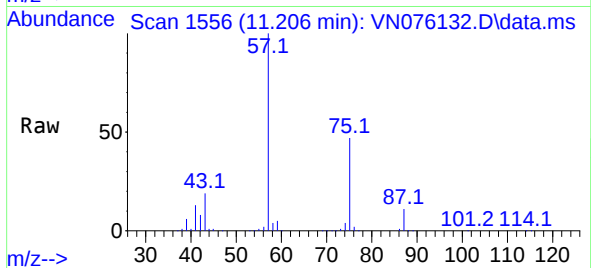
TP-204

Tgt Ion: 76 Resp: 7838

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 47.707 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN076132.D

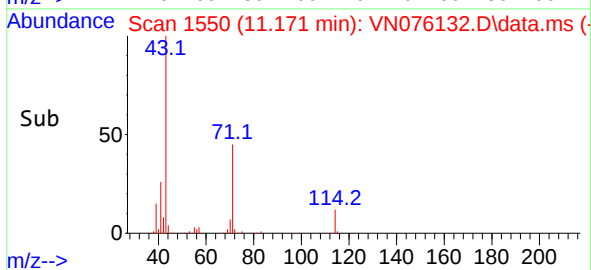
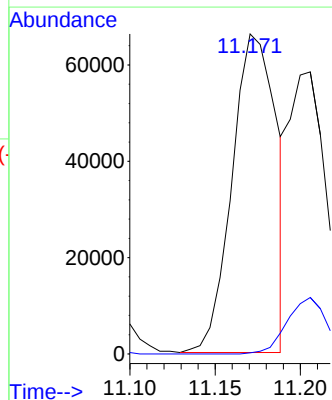
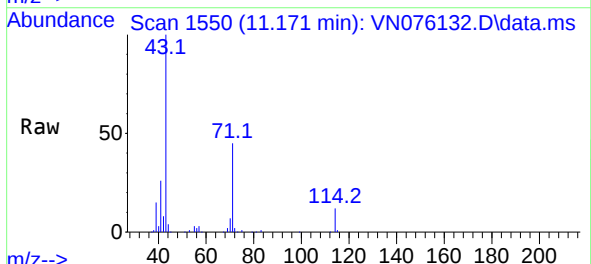
Acq: 06 Jan 2023 14:36

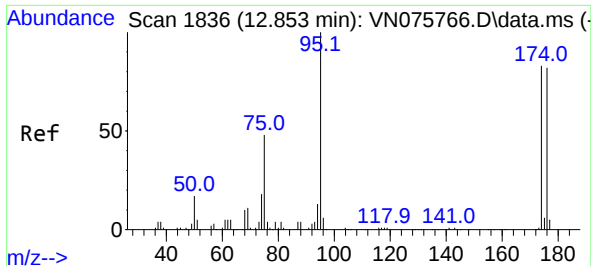
Tgt Ion: 43 Resp: 119460

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

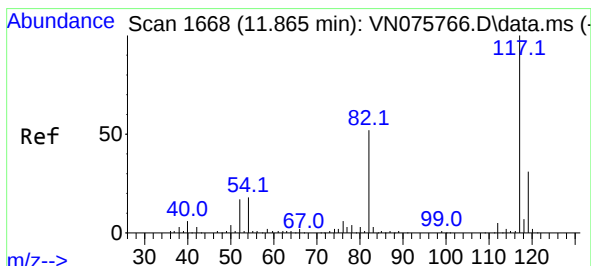
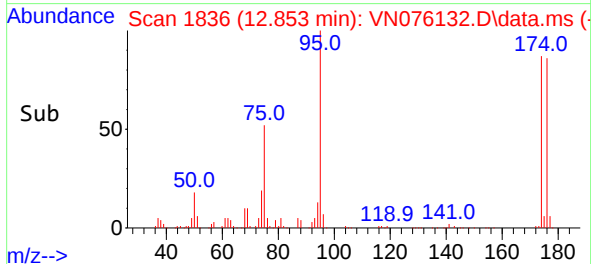
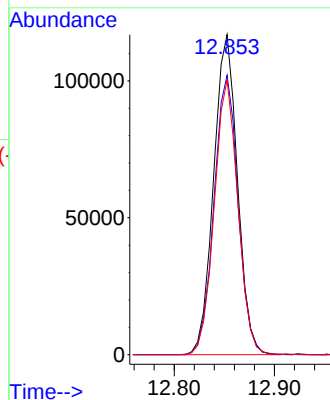
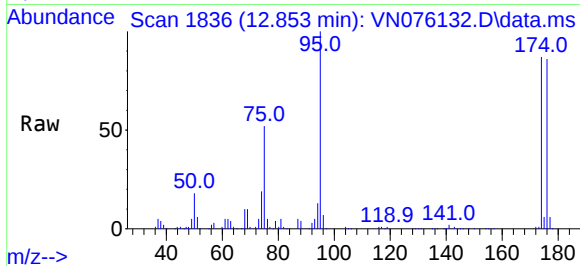




#62
4-Bromofluorobenzene
Concen: 48.283 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

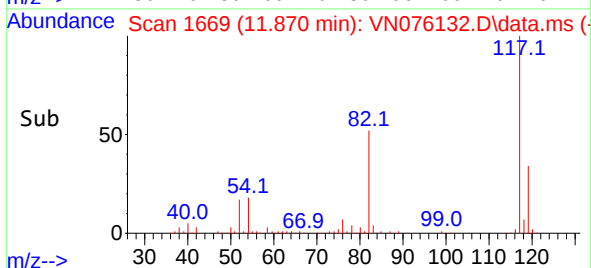
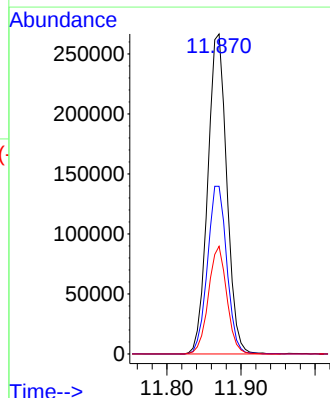
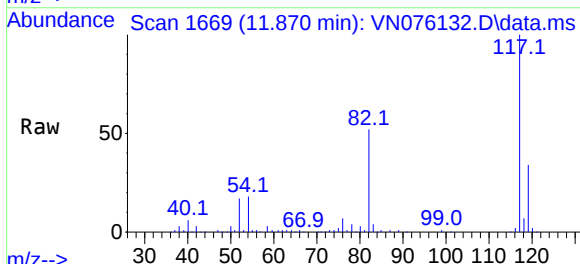
Instrument :
MSVOA_N
ClientSampleId :
TP-204

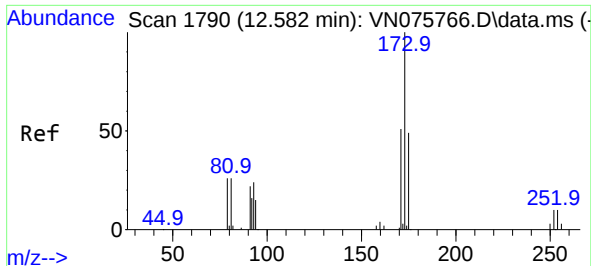
Tgt Ion: 95 Resp: 192869
Ion Ratio Lower Upper
95 100
174 88.1 0.0 171.6
176 84.8 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Tgt Ion: 117 Resp: 475877
Ion Ratio Lower Upper
117 100
82 52.4 41.3 61.9
119 33.6 24.6 37.0

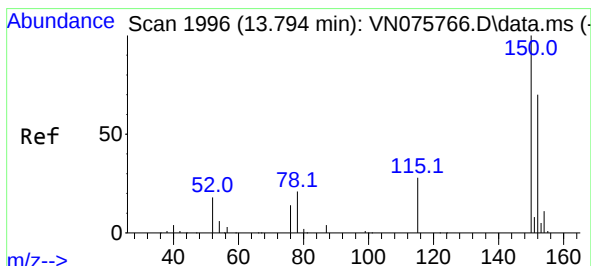
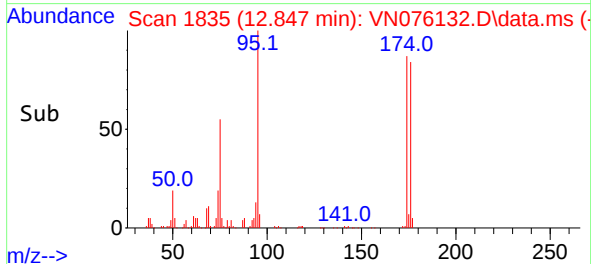
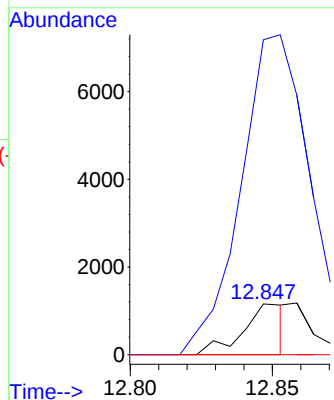
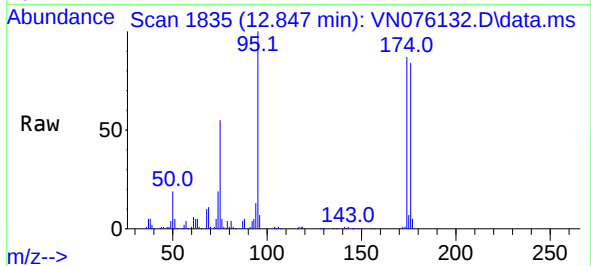




#71
Bromoform
Concen: 0.456 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

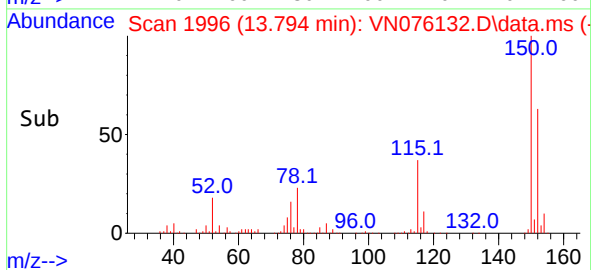
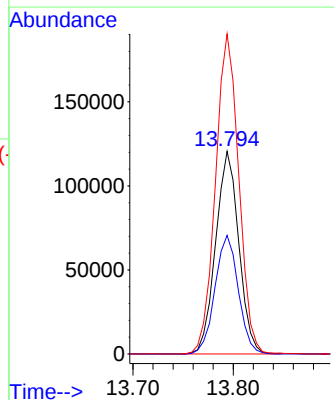
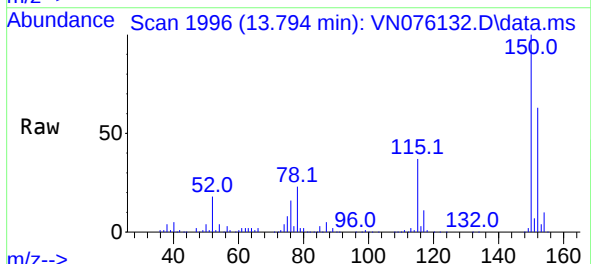
Instrument :
MSVOA_N
ClientSampleId :
TP-204

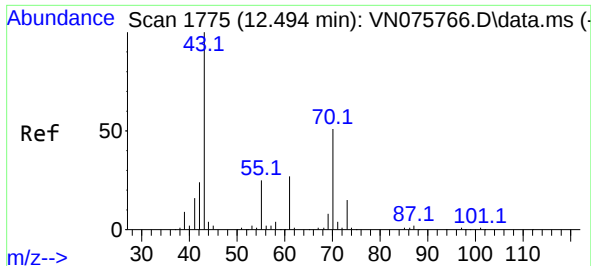
Tgt Ion:173 Resp: 1200
Ion Ratio Lower Upper
173 100
175 850.7 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Tgt Ion:152 Resp: 193356
Ion Ratio Lower Upper
152 100
115 58.9 29.1 87.4
150 158.9 0.0 347.0

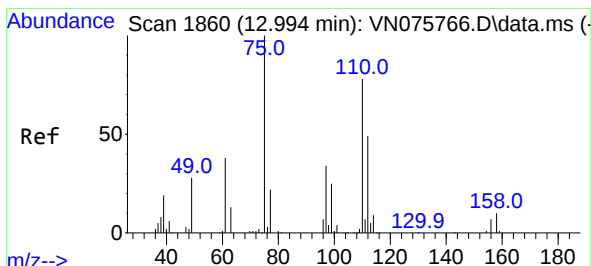
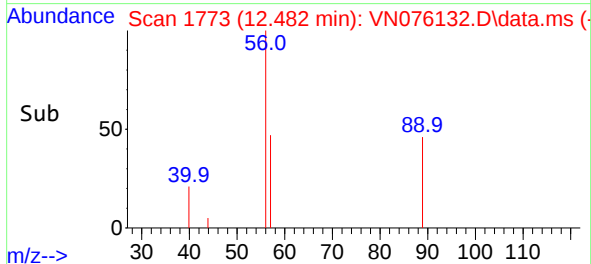
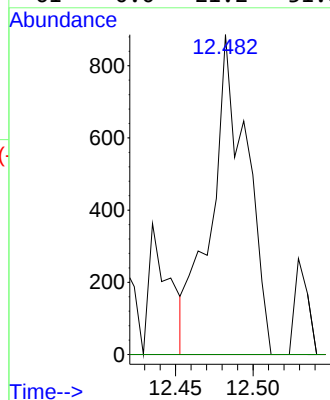
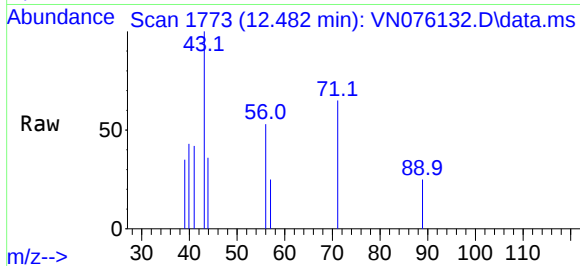




#74
N-amy1 acetate
Concen: 0.343 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

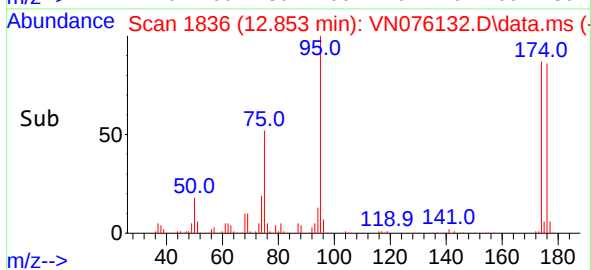
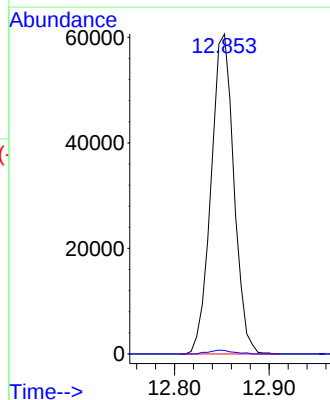
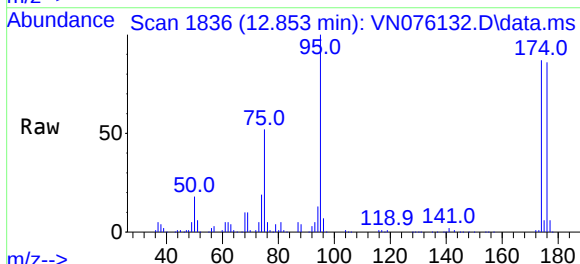
Instrument :
MSVOA_N
ClientSampleId :
TP-204

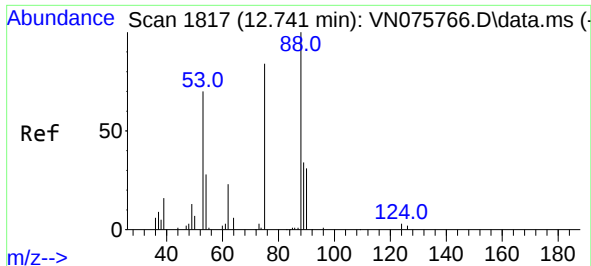
Tgt Ion: 43	Resp:	1408
Ion	Ratio	Lower Upper
43	100	
70	0.0	41.4 62.0#
55	0.0	21.3 31.9#
61	0.0	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 26.066 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Tgt Ion: 75	Resp:	101594
Ion	Ratio	Lower Upper
75	100	
77	1.3	82.6 247.8#

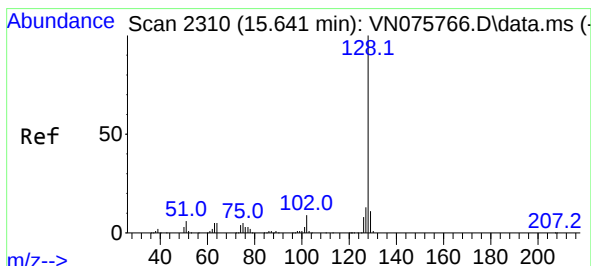
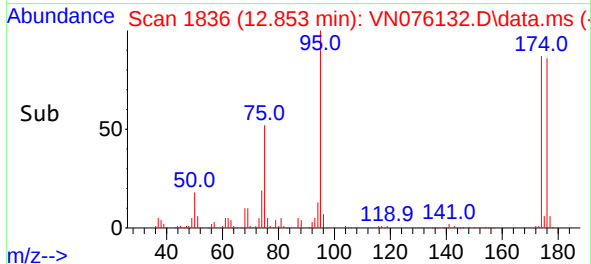
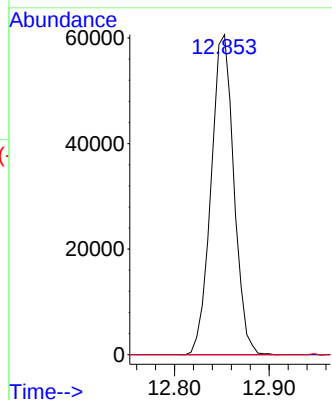
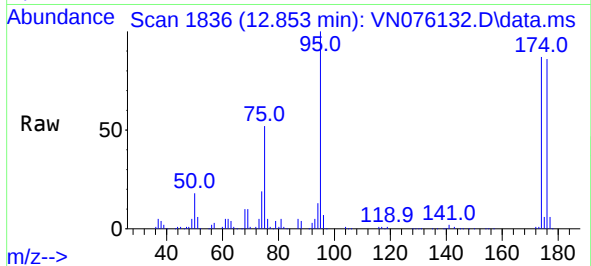




#81
trans-1,4-Dichloro-2-butene
Concen: 93.824 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Instrument :
MSVOA_N
ClientSampleId :
TP-204

Tgt Ion: 75 Resp: 101594
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.268 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076132.D
Acq: 06 Jan 2023 14:36

Tgt Ion: 128 Resp: 990
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

