

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
 Data File : VN076301.D
 Acq On : 18 Jan 2023 17:54
 Operator : JC\MD
 Sample : 01190-07
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PE-6

Quant Time: Jan 19 00:53:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	401477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	613342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	511107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	220945	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	201482	44.821	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.640%
35) Dibromofluoromethane	8.171	113	174588	45.505	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.000%
50) Toluene-d8	10.565	98	697715	49.241	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.480%
62) 4-Bromofluorobenzene	12.853	95	212154	45.865	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.720%

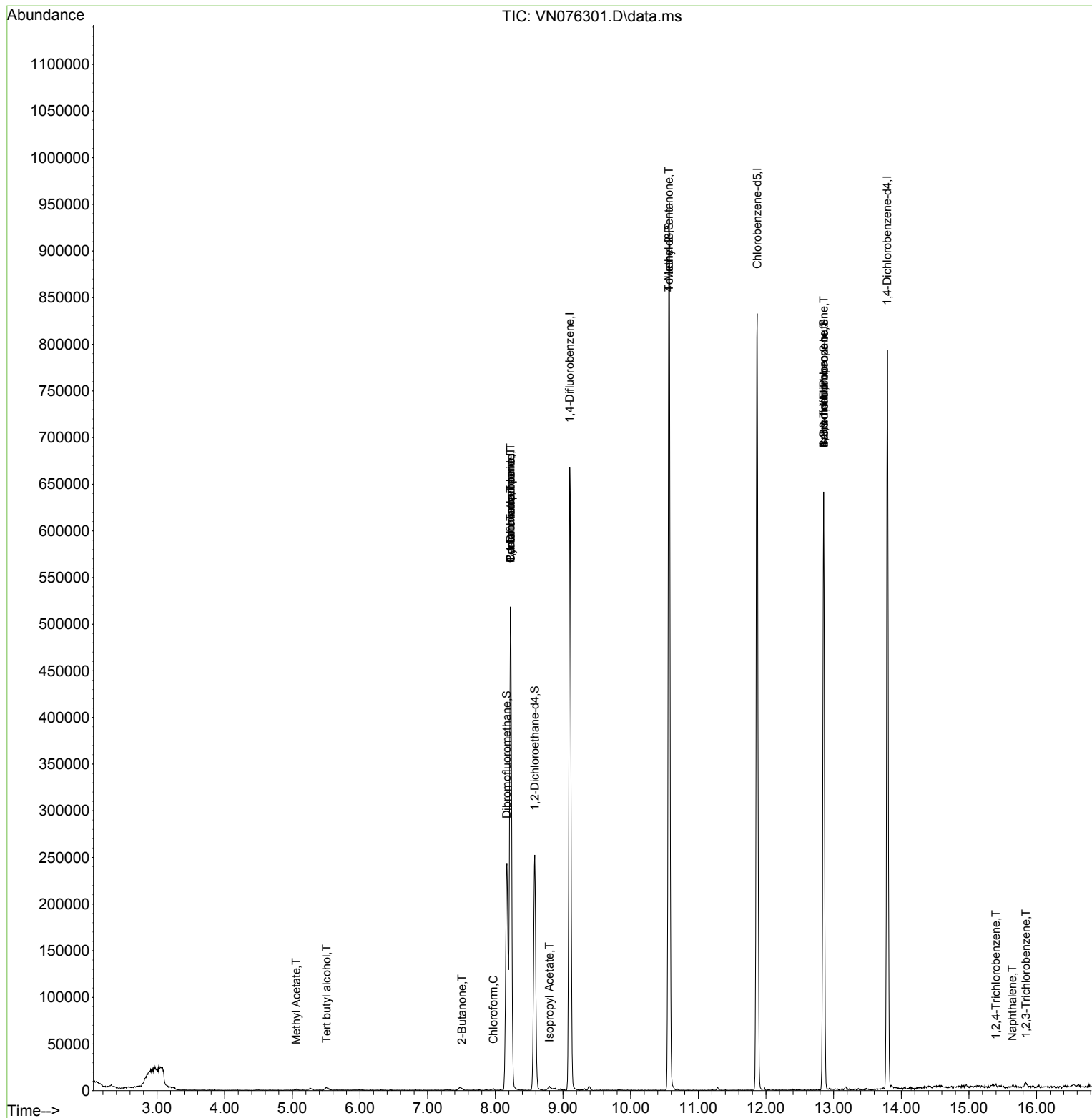
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.506	59	3370	5.605	ug/l #	72
18) Methyl Acetate	5.059	43	1743	0.357	ug/l #	70
20) Methylene Chloride	5.265	84	1939	Below Cal	#	59
25) 2-Butanone	7.506	43	583	0.265	ug/l #	40
30) Chloroform	7.971	83	1607	0.206	ug/l #	83
31) Cyclohexane	8.224	56	7747	1.122	ug/l #	10
36) 1,1-Dichloropropene	8.224	75	27439	5.033	ug/l #	49
38) Carbon Tetrachloride	8.224	117	39202	6.448	ug/l #	17
43) Isopropyl Acetate	8.800	43	2338	0.329	ug/l #	51
51) 4-Methyl-2-Pentanone	10.565	43	2561	0.613	ug/l #	1
71) Bromoform	12.853	173	1814	0.625	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	110026	26.897	ug/l #	1
77) Bromobenzene	12.982	156	53	Below Cal	#	13
81) trans-1,4-Dichloro-2-b...	12.853	75	110026	82.855	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.400	180	319	1.385	ug/l #	81
95) Naphthalene	15.641	128	2318	2.033	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.841	180	418	1.264	ug/l #	46

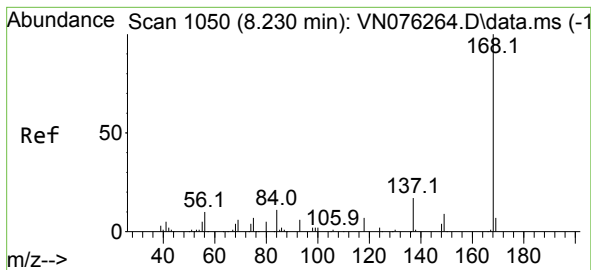
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.006 min

Lab File: VN076301.D

Acq: 18 Jan 2023 17:54

Instrument :

MSVOA_N

ClientSampleId :

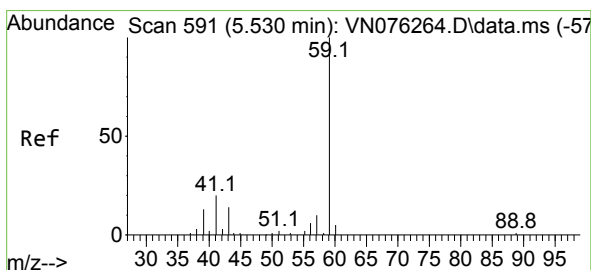
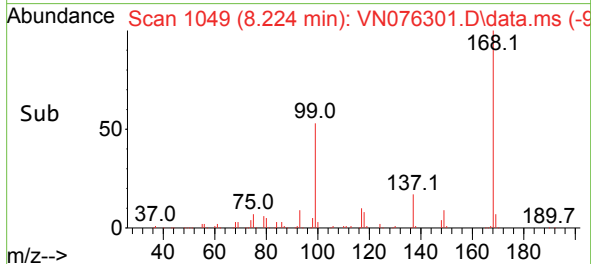
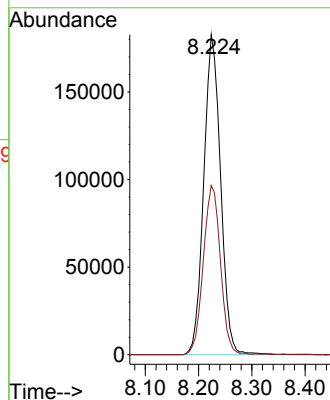
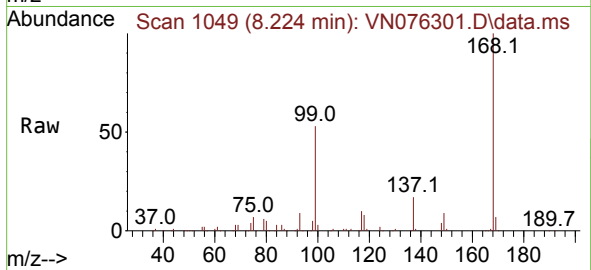
PE-6

Tgt Ion:168 Resp: 401477

Ion Ratio Lower Upper

168 100

99 52.9 41.6 62.4



#11

Tert butyl alcohol

Concen: 5.605 ug/l

RT: 5.506 min Scan# 587

Delta R.T. -0.024 min

Lab File: VN076301.D

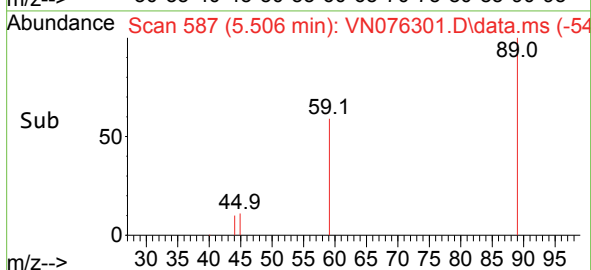
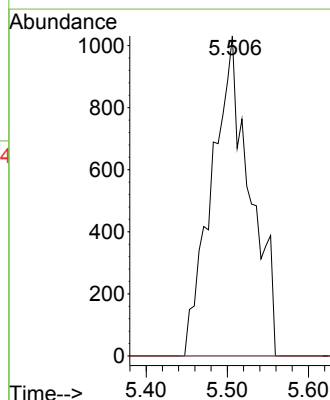
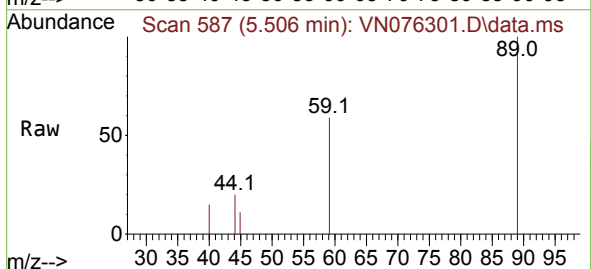
Acq: 18 Jan 2023 17:54

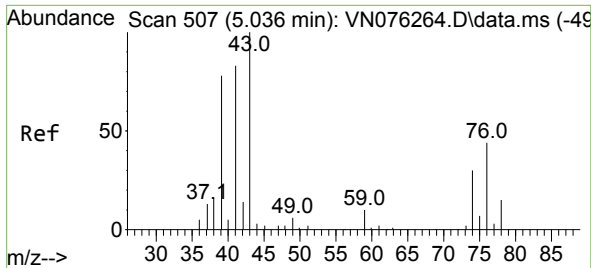
Tgt Ion: 59 Resp: 3370

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

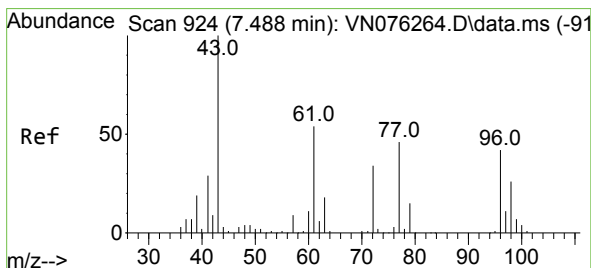
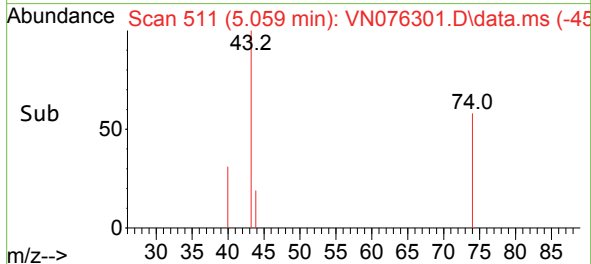
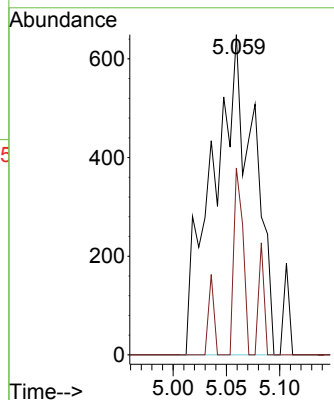
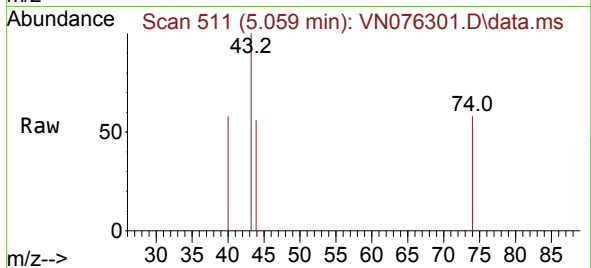




#18
Methyl Acetate
Concen: 0.357 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

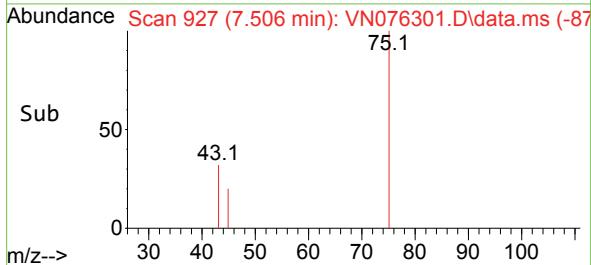
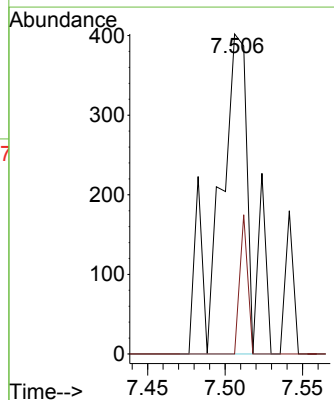
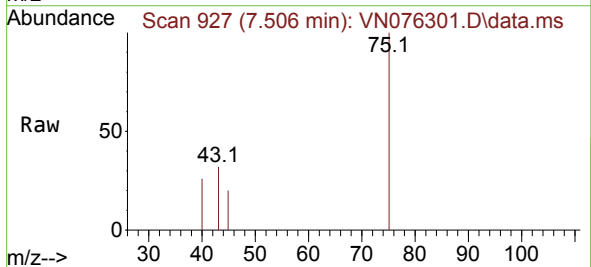
Instrument :
MSVOA_N
ClientSampleId :
PE-6

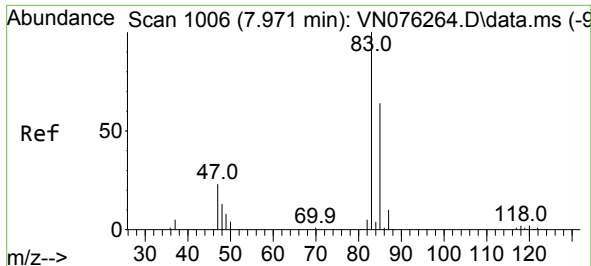
Tgt Ion: 43 Resp: 1743
Ion Ratio Lower Upper
43 100
74 13.0 23.3 34.9#



#25
2-Butanone
Concen: 0.265 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

Tgt Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.2#

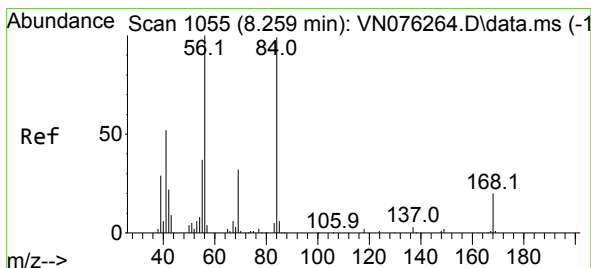
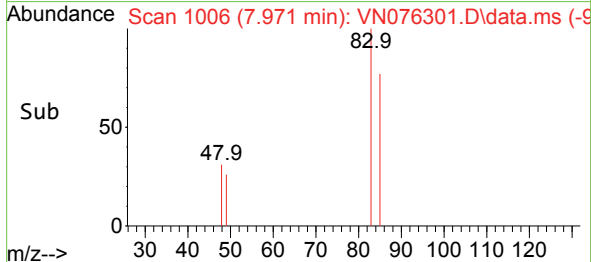
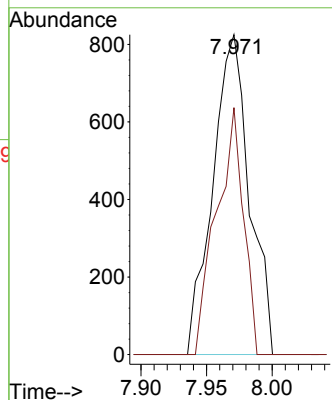
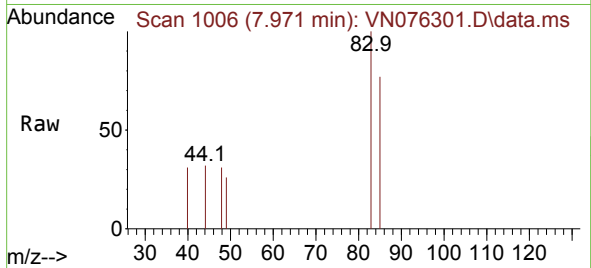




#30
Chloroform
Concen: 0.206 ug/l
RT: 7.971 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

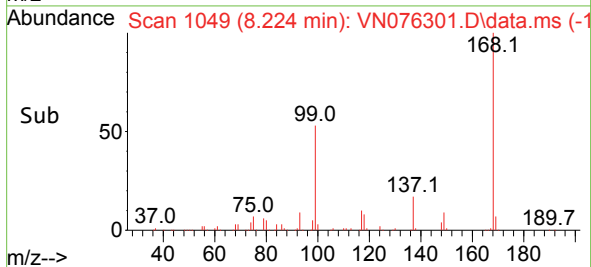
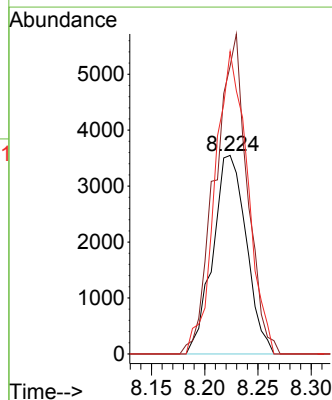
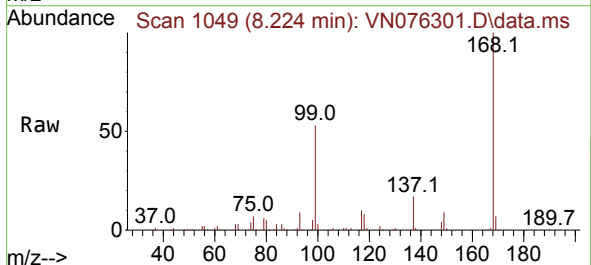
Instrument :
MSVOA_N
ClientSampleId :
PE-6

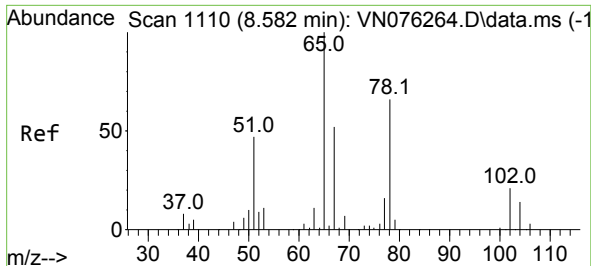
Tgt Ion: 83 Resp: 1607
Ion Ratio Lower Upper
83 100
85 77.2 51.0 76.6#



#31
Cyclohexane
Concen: 1.122 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

Tgt Ion: 56 Resp: 7747
Ion Ratio Lower Upper
56 100
69 145.0 25.8 38.8#
84 152.4 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 44.821 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.001 min

Lab File: VN076301.D

Acq: 18 Jan 2023 17:54

Instrument :

MSVOA_N

ClientSampleId :

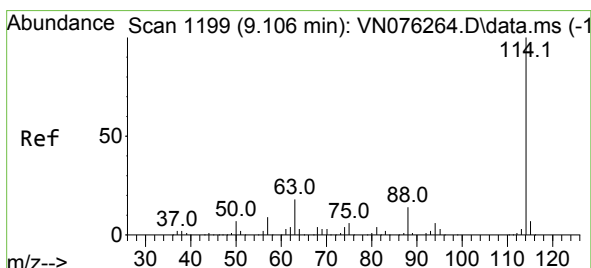
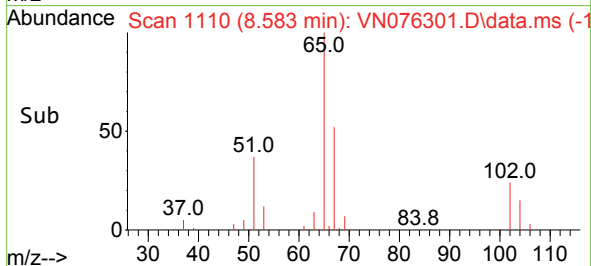
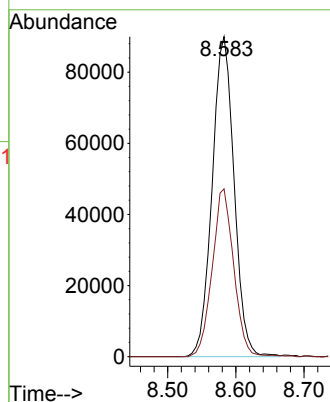
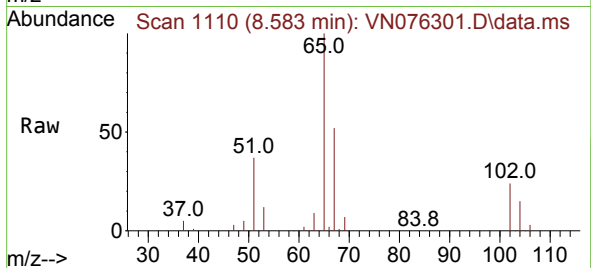
PE-6

Tgt Ion: 65 Resp: 201482

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN076301.D

Acq: 18 Jan 2023 17:54

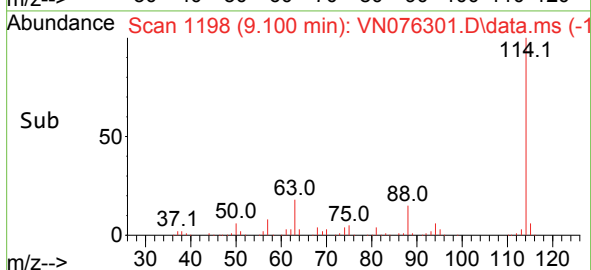
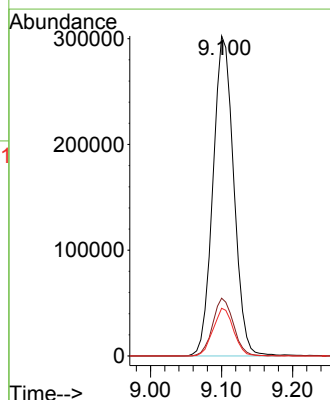
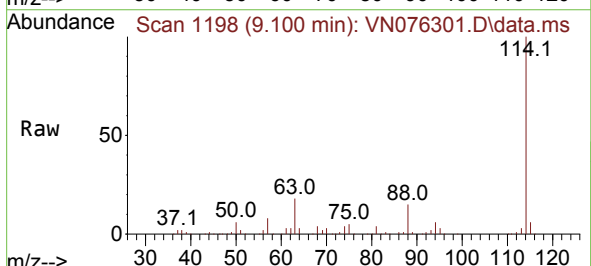
Tgt Ion: 114 Resp: 613342

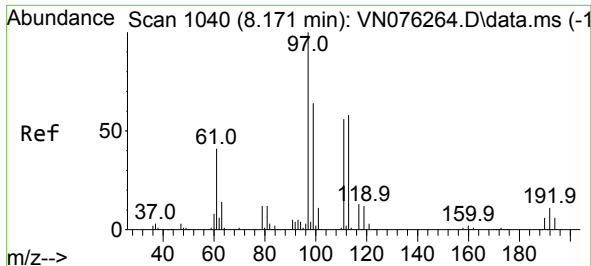
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.8

88 14.9 0.0 28.0





#35

Dibromofluoromethane

Concen: 45.505 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076301.D

Acq: 18 Jan 2023 17:54

Instrument :

MSVOA_N

ClientSampleId :

PE-6

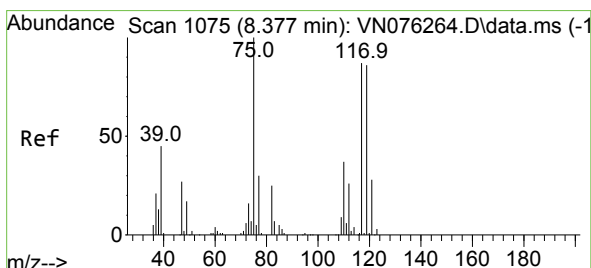
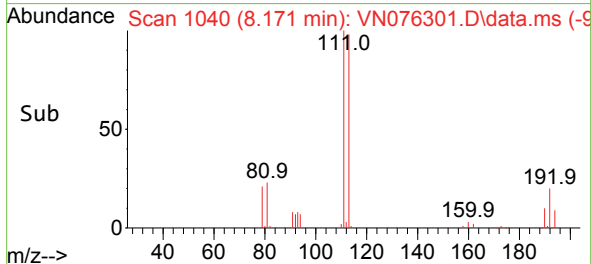
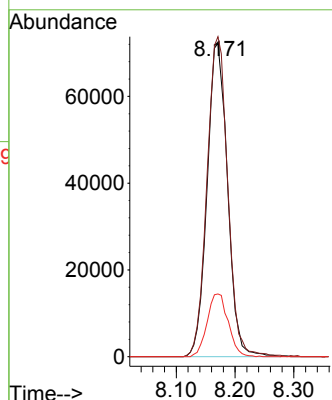
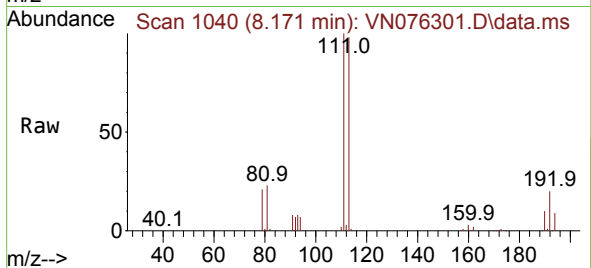
Tgt Ion:113 Resp: 174588

Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

192 20.6 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.033 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN076301.D

Acq: 18 Jan 2023 17:54

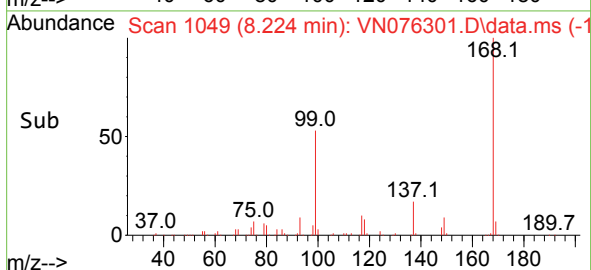
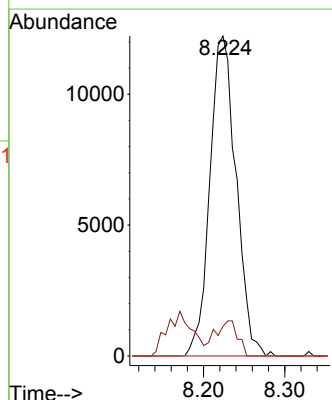
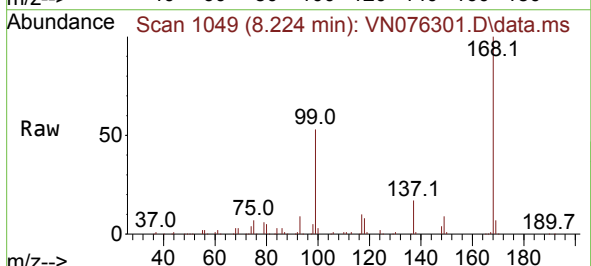
Tgt Ion: 75 Resp: 27439

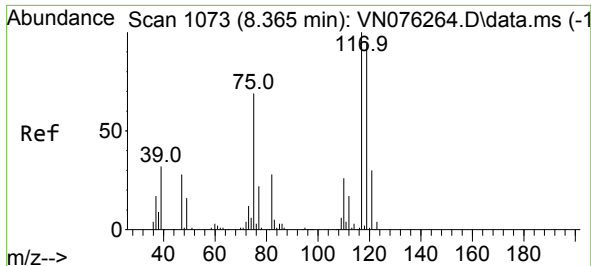
Ion Ratio Lower Upper

75 100

110 9.5 18.8 56.3#

77 0.0 25.0 37.4#

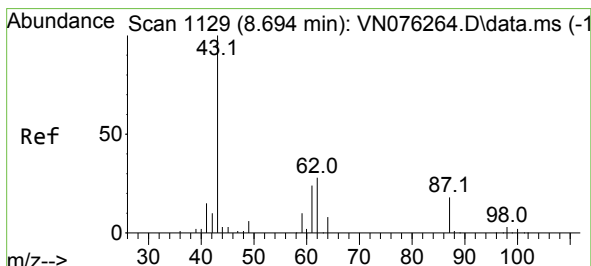
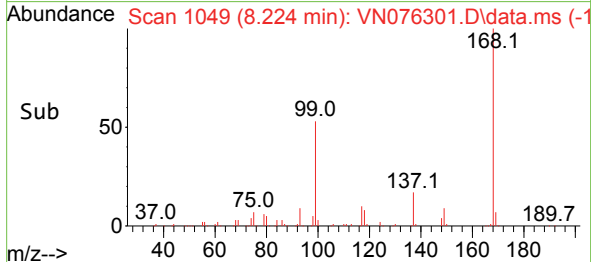
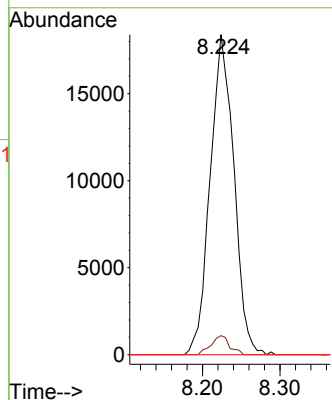
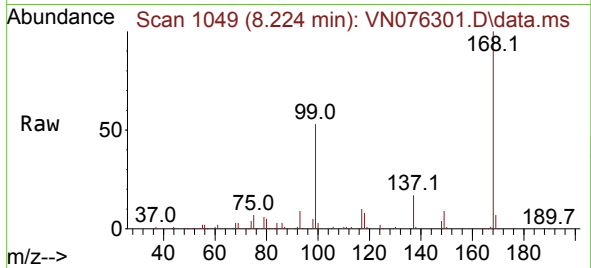




#38
Carbon Tetrachloride
Concen: 6.448 ug/l
RT: 8.224 min Scan# 1147
Delta R.T. -0.141 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

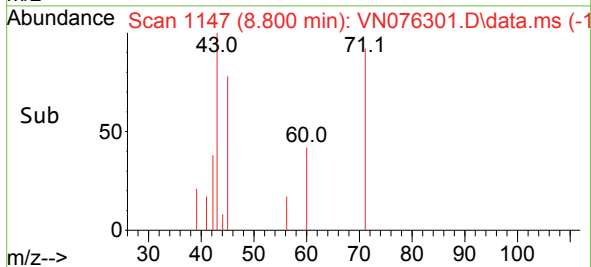
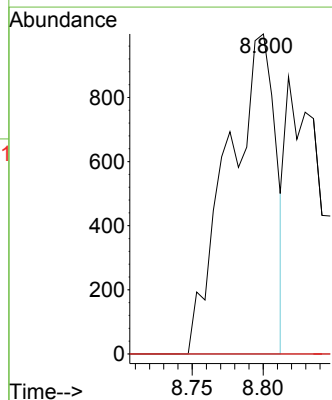
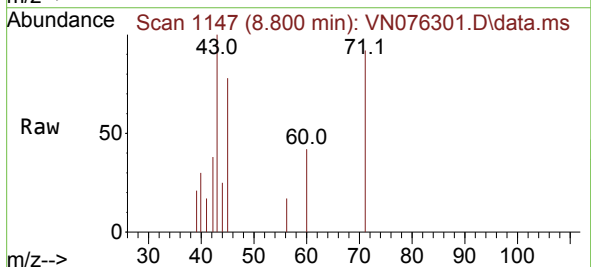
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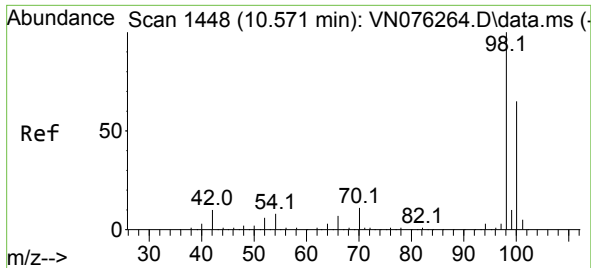
Tgt Ion:117 Resp: 39202
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.0#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.329 ug/l
RT: 8.800 min Scan# 1147
Delta R.T. 0.106 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

Tgt Ion: 43 Resp: 2338
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 0.0 13.8 20.6#

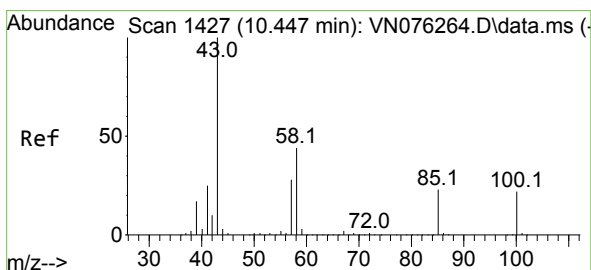
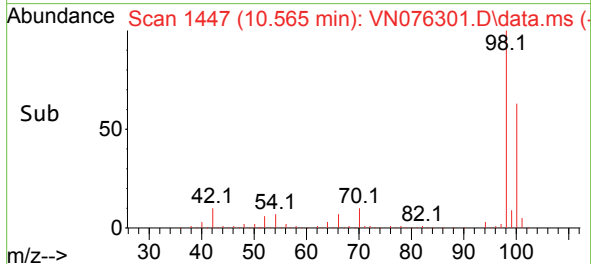
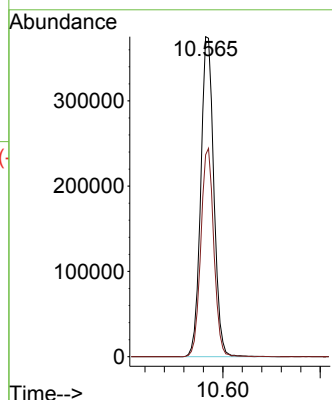
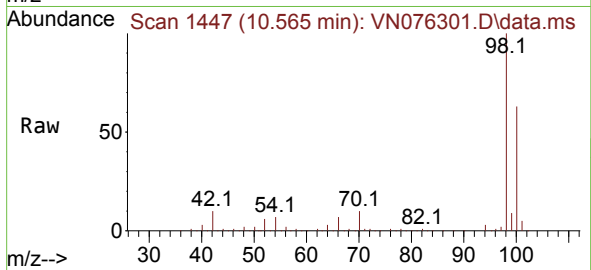




#50
Toluene-d8
Concen: 49.241 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

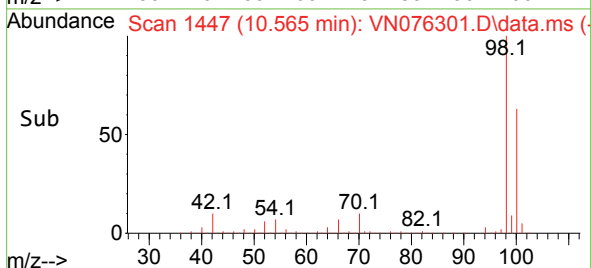
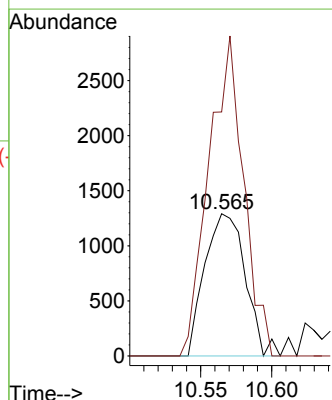
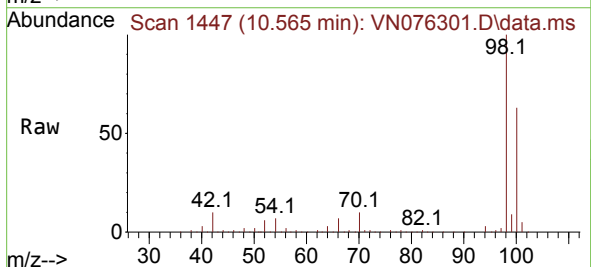
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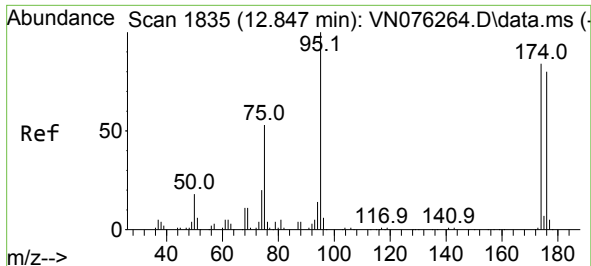
Tgt Ion: 98 Resp: 697715
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.613 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

Tgt Ion: 43 Resp: 2561
Ion Ratio Lower Upper
43 100
58 193.5 35.1 52.7#

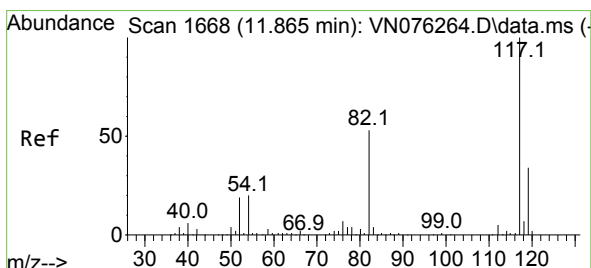
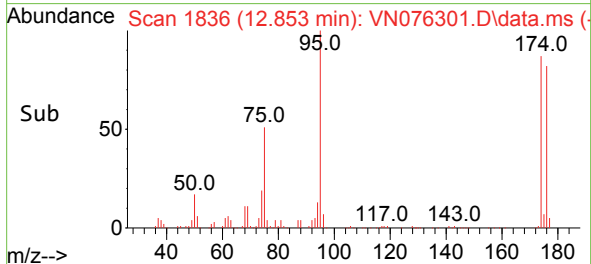
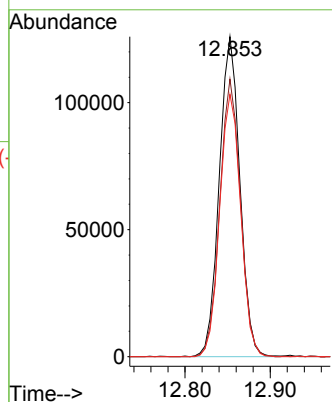
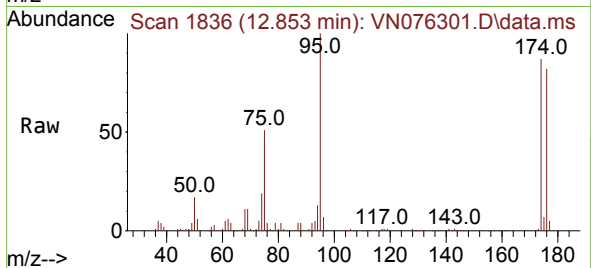




#62
4-Bromofluorobenzene
Concen: 45.865 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

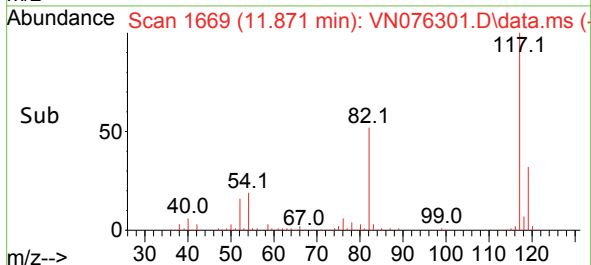
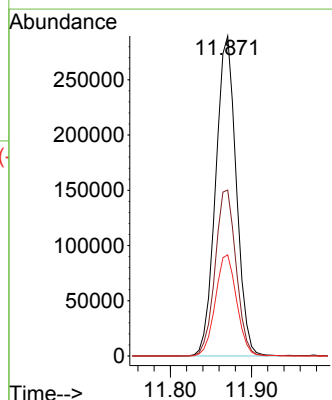
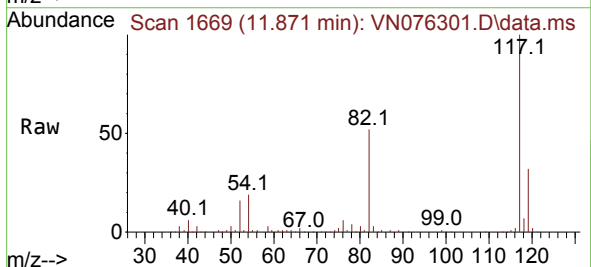
Instrument :
MSVOA_N
ClientSampleId :
PE-6

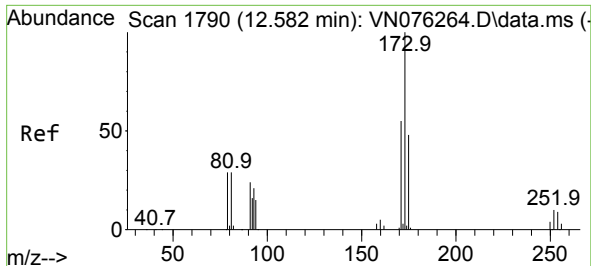
Tgt Ion: 95 Resp: 212154
Ion Ratio Lower Upper
95 100
174 86.9 0.0 174.6
176 83.3 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

Tgt Ion: 117 Resp: 511107
Ion Ratio Lower Upper
117 100
82 51.9 42.2 63.2
119 31.6 26.9 40.3

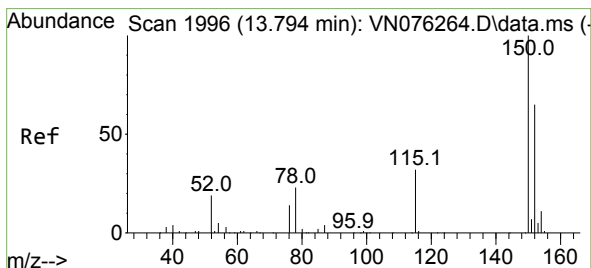
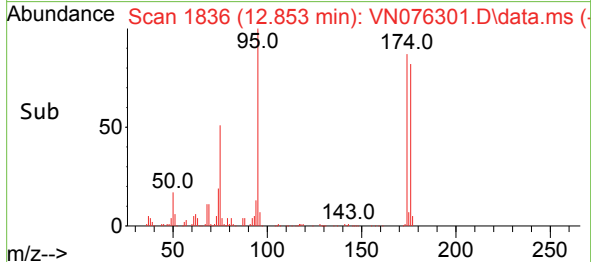
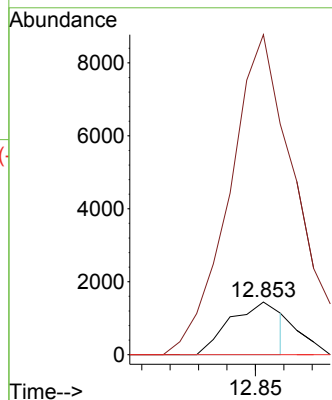
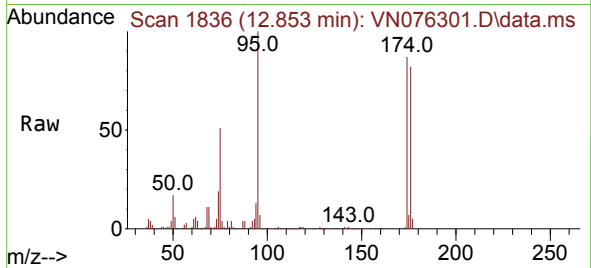




#71
Bromoform
Concen: 0.625 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

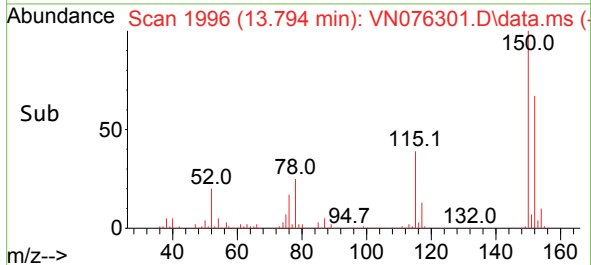
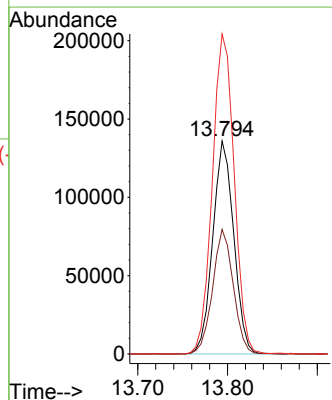
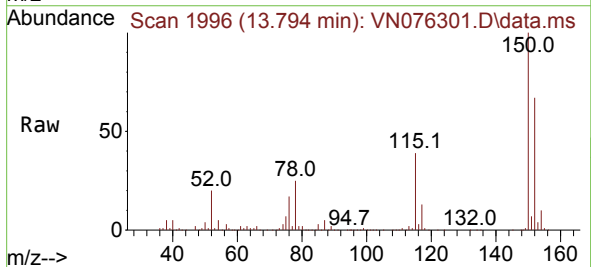
Instrument :
MSVOA_N
ClientSampleId :
PE-6

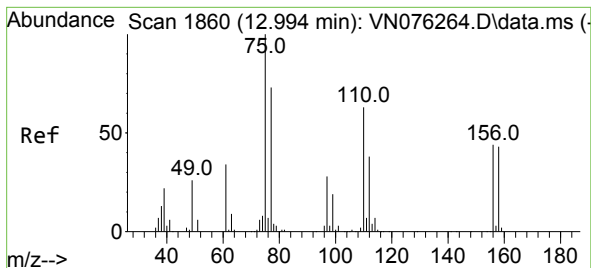
Tgt Ion:173 Resp: 1814
Ion Ratio Lower Upper
173 100
175 603.7 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

Tgt Ion:152 Resp: 220945
Ion Ratio Lower Upper
152 100
115 57.6 29.6 88.9
150 156.1 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 26.897 ug/l

RT: 12.853 min Scan# 11

Delta R.T. -0.141 min

Lab File: VN076301.D

Acq: 18 Jan 2023 17:54

Instrument :

MSVOA_N

ClientSampleId :

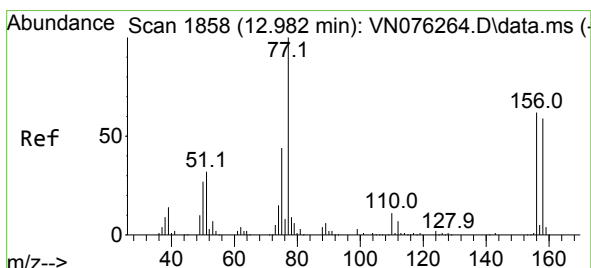
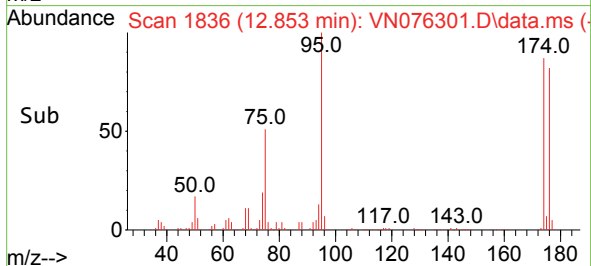
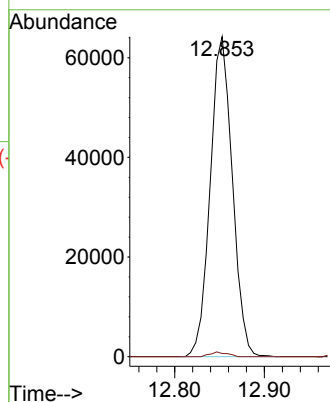
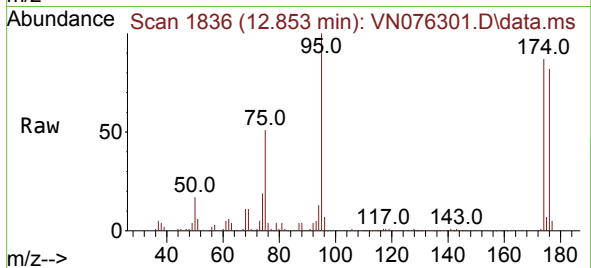
PE-6

Tgt Ion: 75 Resp: 110026

Ion Ratio Lower Upper

75 100

77 1.1 75.2 225.6#



#77

Bromobenzene

Concen: Below Cal

RT: 12.982 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VN076301.D

Acq: 18 Jan 2023 17:54

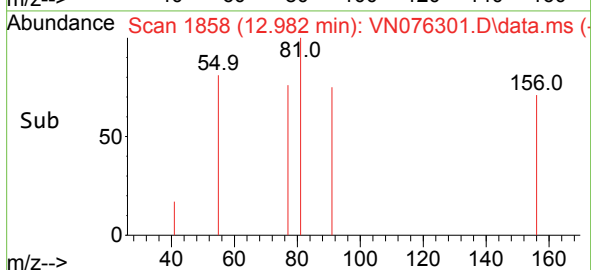
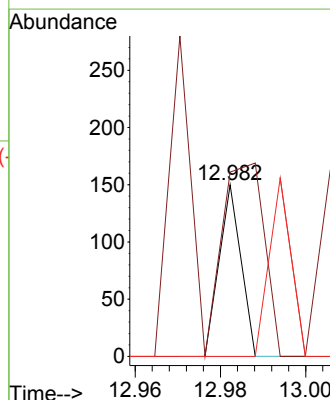
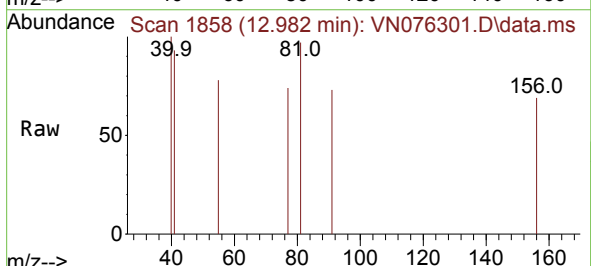
Tgt Ion:156 Resp: 53

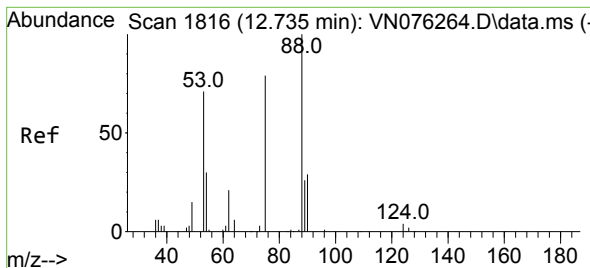
Ion Ratio Lower Upper

156 100

77 0.0 93.4 280.2#

158 103.8 48.4 145.2

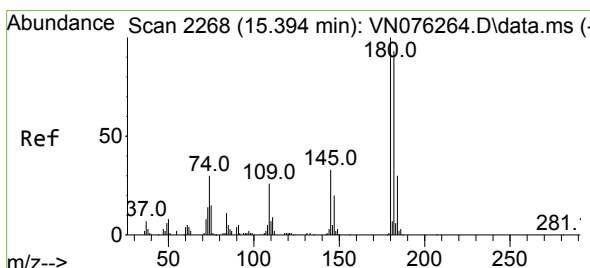
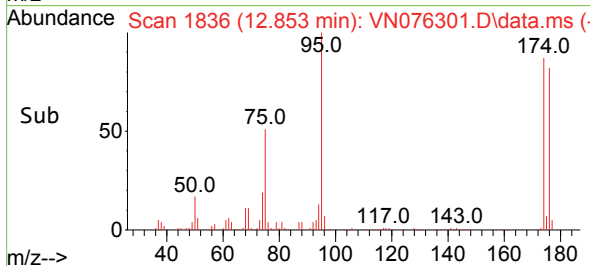
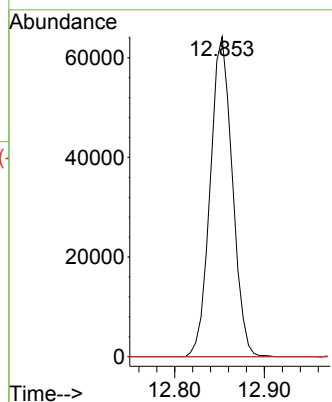
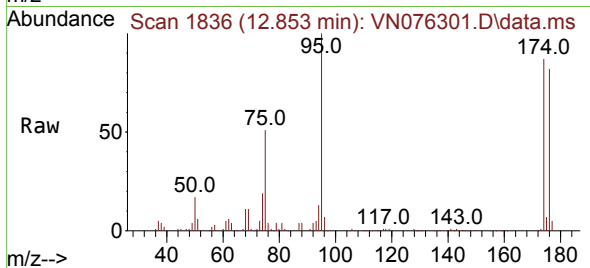




#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.855 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN076301.D
 Acq: 18 Jan 2023 17:54

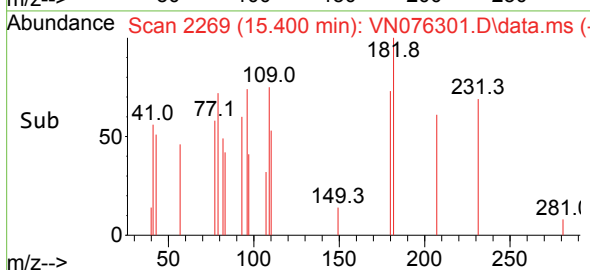
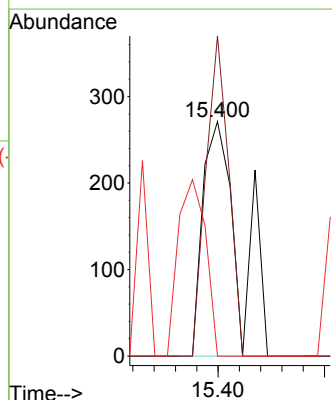
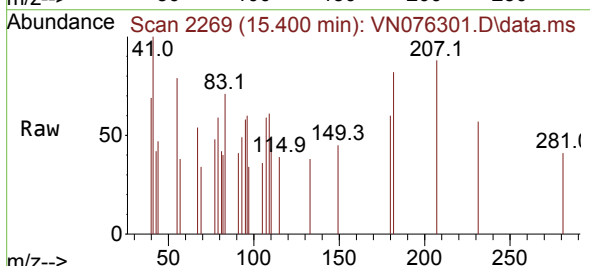
Instrument :
 MSVOA_N
 ClientSampleId :
 PE-6

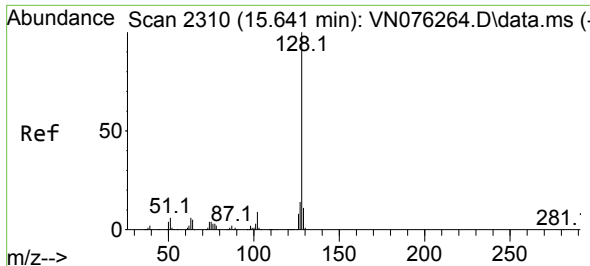
Tgt Ion: 75 Resp: 110026
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 37.0 55.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.385 ug/l
 RT: 15.400 min Scan# 2269
 Delta R.T. 0.006 min
 Lab File: VN076301.D
 Acq: 18 Jan 2023 17:54

Tgt Ion:180 Resp: 319
 Ion Ratio Lower Upper
 180 100
 182 85.6 47.0 141.2
 145 57.4 15.2 45.5#

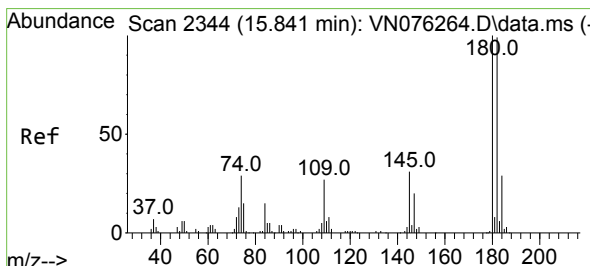
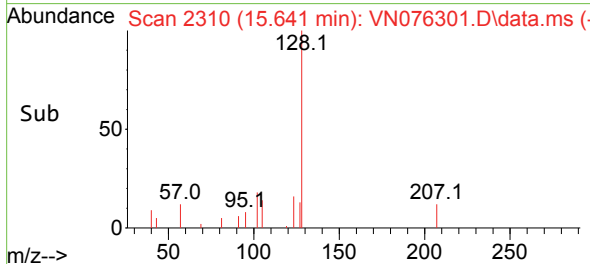
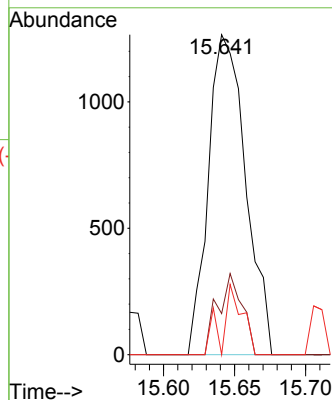
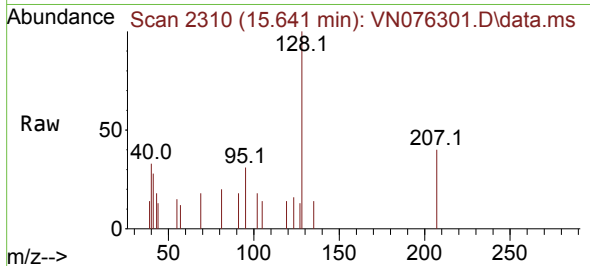




#95
Naphthalene
Concen: 2.033 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

Instrument :
MSVOA_N
ClientSampleId :
PE-6

Tgt Ion:128 Resp: 2318
Ion Ratio Lower Upper
128 100
127 16.6 10.3 15.5#
129 12.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.264 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN076301.D
Acq: 18 Jan 2023 17:54

Tgt Ion:180 Resp: 418
Ion Ratio Lower Upper
180 100
182 43.3 47.5 142.5#
145 0.0 15.9 47.6#

