

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012623\
 Data File : VN076419.D
 Acq On : 26 Jan 2023 14:49
 Operator : JC\MD
 Sample : PB150465ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150465ZHE#04

Quant Time: Jan 27 00:36:15 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)

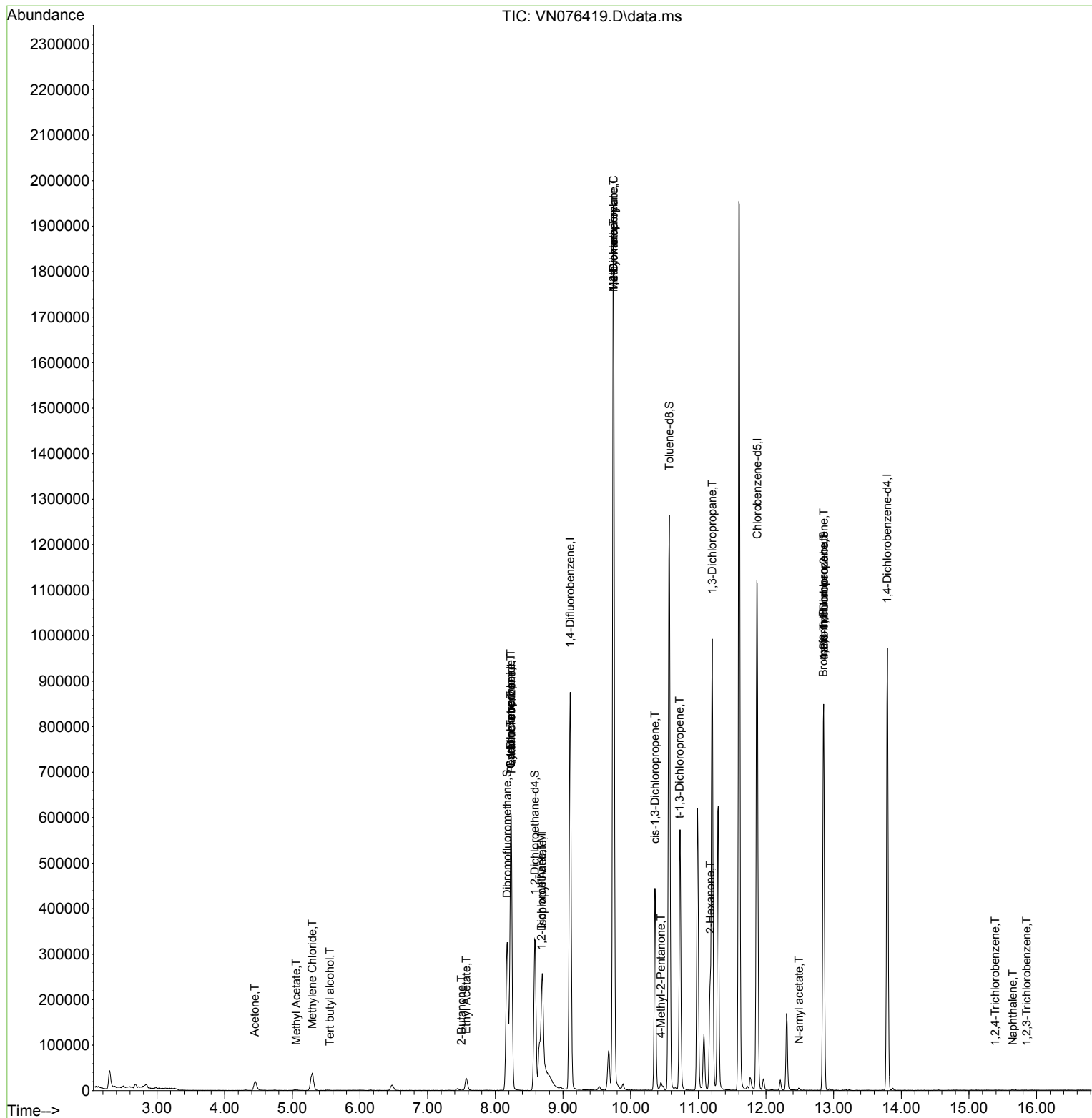
Internal Standards						
1) Pentafluorobenzene	8.235	168	456661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	775101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	673108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	258483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	277374	54.247	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 108.500%		
35) Dibromofluoromethane	8.177	113	232016	47.852	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 95.700%		
50) Toluene-d8	10.571	98	894523	49.956	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 99.920%		
62) 4-Bromofluorobenzene	12.853	95	283816	48.552	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 97.100%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.553	59	386	0.564	ug/l #	72
16) Acetone	4.447	43	39493	24.028	ug/l	100
18) Methyl Acetate	5.059	43	3935	0.708	ug/l #	68
20) Methylene Chloride	5.294	84	31324	5.927	ug/l	99
25) 2-Butanone	7.500	43	3408	1.361	ug/l	93
31) Cyclohexane	8.230	56	10451	1.331	ug/l #	15
36) 1,1-Dichloropropene	8.230	75	35068	5.090	ug/l #	50
37) Ethyl Acetate	7.571	43	40253	7.315	ug/l	97
38) Carbon Tetrachloride	8.230	117	47995	6.247	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	2045	0.290	ug/l #	73
43) Isopropyl Acetate	8.694	43	456002	50.723	ug/l #	69
45) 1,2-Dichloropropane	9.747	63	2655	0.538	ug/l #	42
48) Methyl methacrylate	9.747	41	179915	42.273	ug/l #	35
49) 1,4-Dioxane	9.747	88	349	3.886	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	17088	3.238	ug/l #	70
53) t-1,3-Dichloropropene	10.724	75	1773	0.258	ug/l	93
54) cis-1,3-Dichloropropene	10.359	75	84678	10.690	ug/l #	62
57) 1,3-Dichloropropane	11.206	76	11044	1.291	ug/l #	42
59) 2-Hexanone	11.176	43	170168	44.496	ug/l #	21
71) Bromoform	12.847	173	1944	0.508	ug/l #	1
74) N-amyl acetate	12.488	43	2063	0.359	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	153107	32.176	ug/l #	1
77) Bromobenzene	12.982	156	62	Below Cal	#	19
81) trans-1,4-Dichloro-2-b...	12.853	75	153107	98.553	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.388	180	399	1.391	ug/l #	86
95) Naphthalene	15.647	128	1839	1.971	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.853	180	160	1.190	ug/l #	84

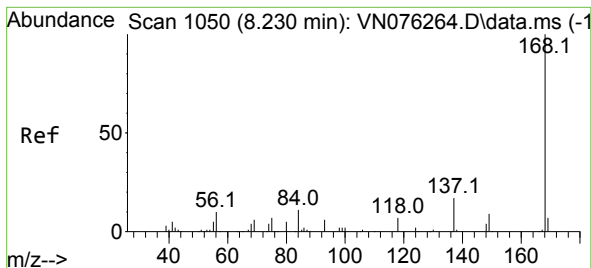
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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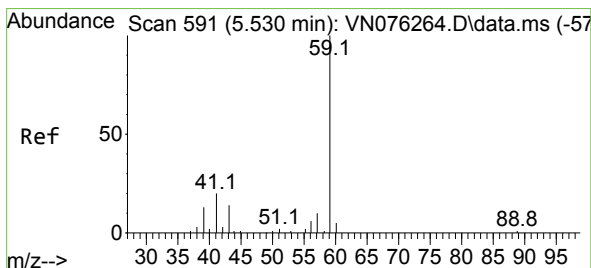
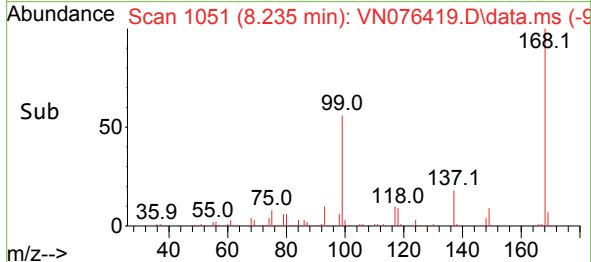
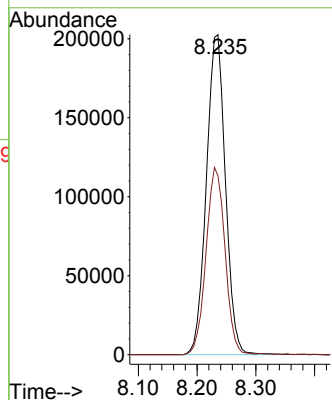
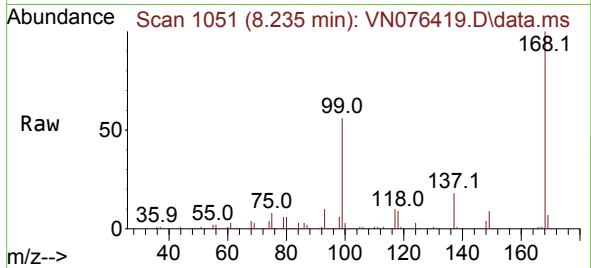




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. 0.005 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

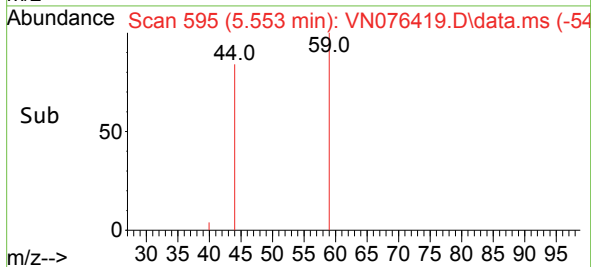
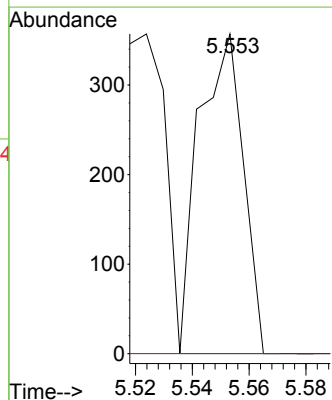
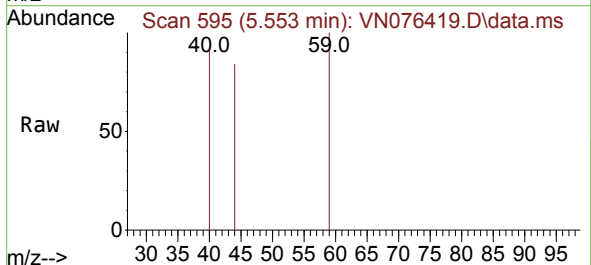
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#04

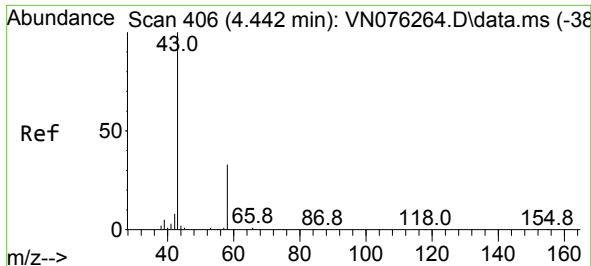
Tgt Ion:168 Resp: 456661
Ion Ratio Lower Upper
168 100
99 56.0 41.6 62.4



#11
Tert butyl alcohol
Concen: 0.564 ug/l
RT: 5.553 min Scan# 595
Delta R.T. 0.023 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

Tgt Ion: 59 Resp: 386
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

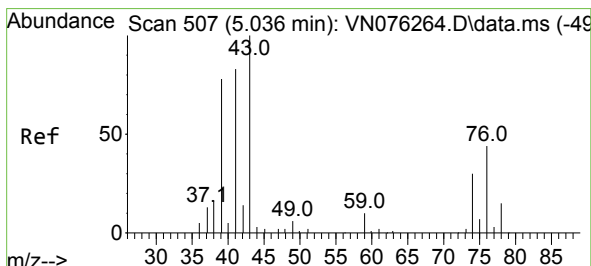
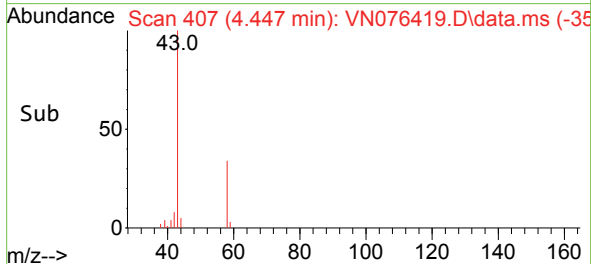
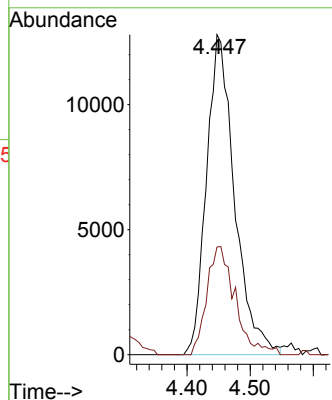
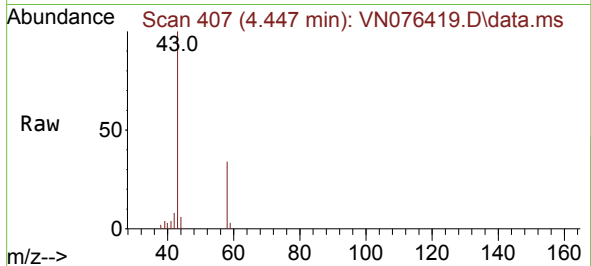




#16
Acetone
Concen: 24.028 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

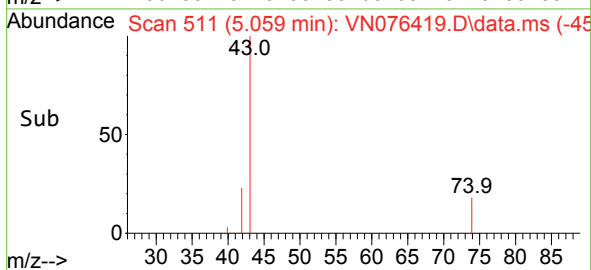
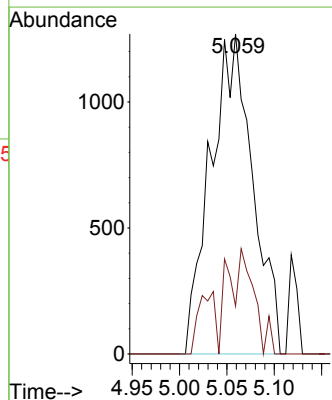
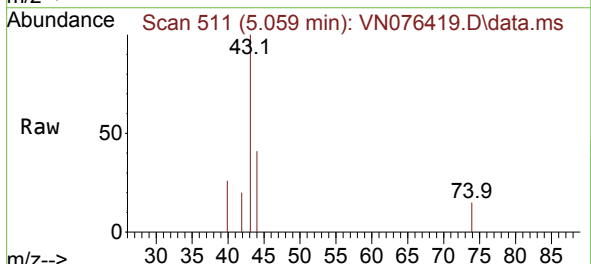
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#04

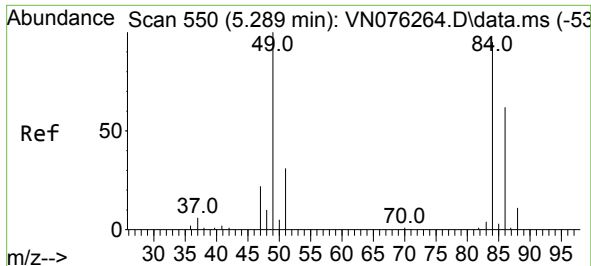
Tgt Ion: 43 Resp: 39493
Ion Ratio Lower Upper
43 100
58 33.7 26.7 40.1



#18
Methyl Acetate
Concen: 0.708 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

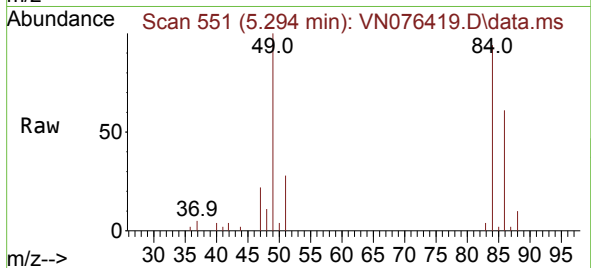
Tgt Ion: 43 Resp: 3935
Ion Ratio Lower Upper
43 100
74 12.2 23.3 34.9#



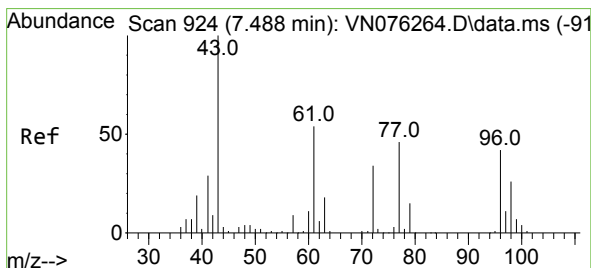
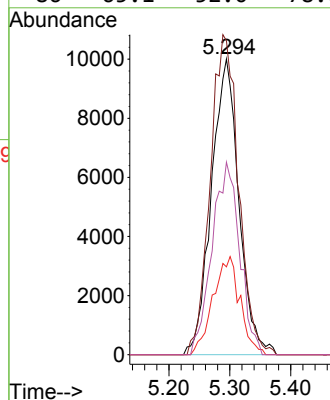


#20
Methylene Chloride
Concen: 5.927 ug/l
RT: 5.294 min Scan# 511
Delta R.T. 0.005 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#04

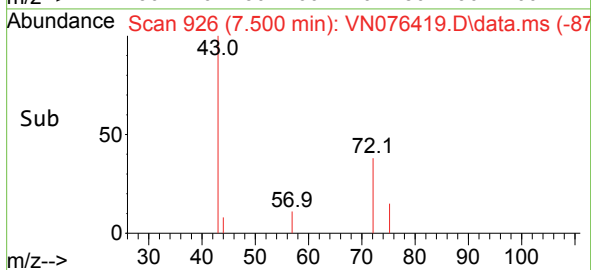
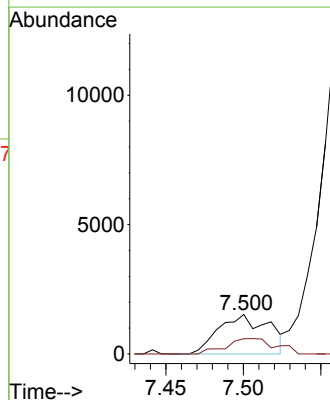
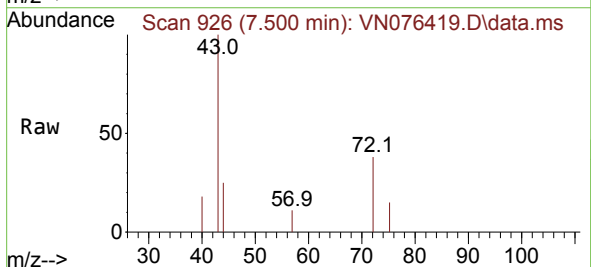


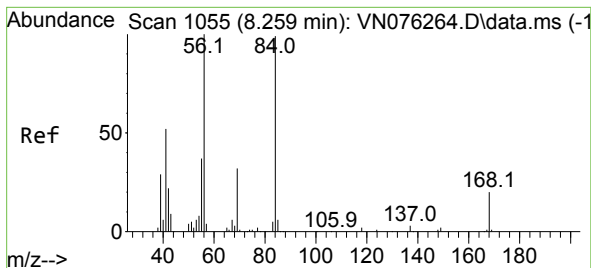
Tgt Ion:	84	Resp:	31324
Ion	Ratio	Lower	Upper
84	100		
49	106.1	84.5	126.7
51	29.7	26.0	39.0
86	65.1	52.0	78.0



#25
2-Butanone
Concen: 1.361 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

Tgt Ion:	43	Resp:	3408
Ion	Ratio	Lower	Upper
43	100		
72	38.4	27.4	41.2





#31

Cyclohexane

Concen: 1.331 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN076419.D

Acq: 26 Jan 2023 14:49

Instrument :

MSVOA_N

ClientSampleId :

PB150465ZHE#04

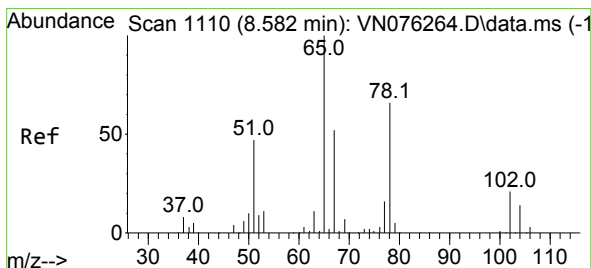
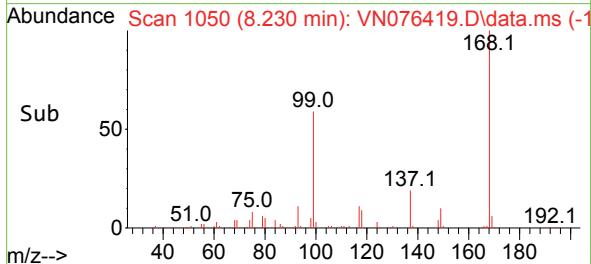
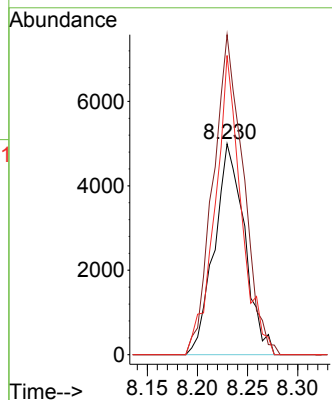
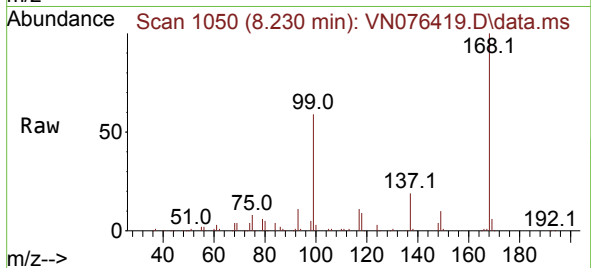
Tgt Ion: 56 Resp: 10451

Ion Ratio Lower Upper

56 100

69 151.7 25.8 38.8#

84 141.8 79.0 118.4#



#33

1,2-Dichloroethane-d4

Concen: 54.247 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076419.D

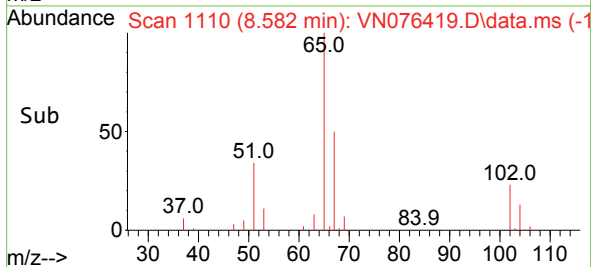
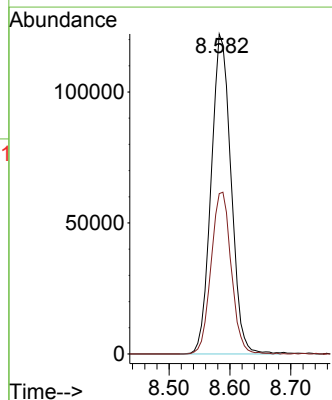
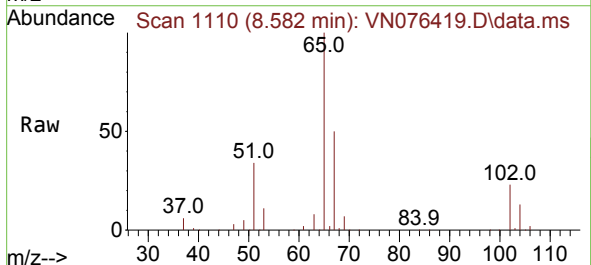
Acq: 26 Jan 2023 14:49

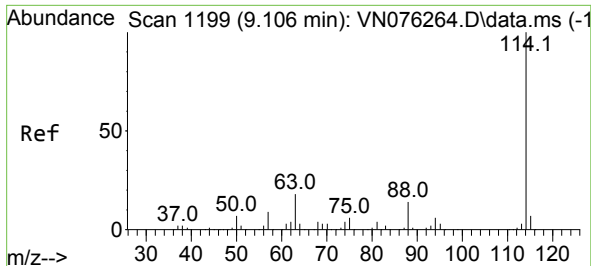
Tgt Ion: 65 Resp: 277374

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076419.D

Acq: 26 Jan 2023 14:49

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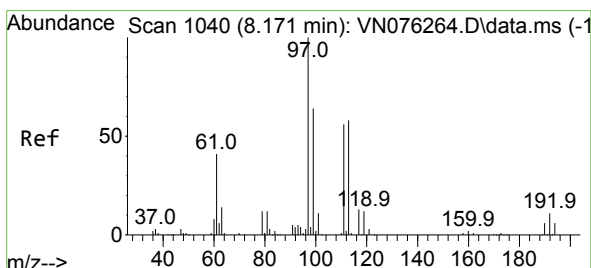
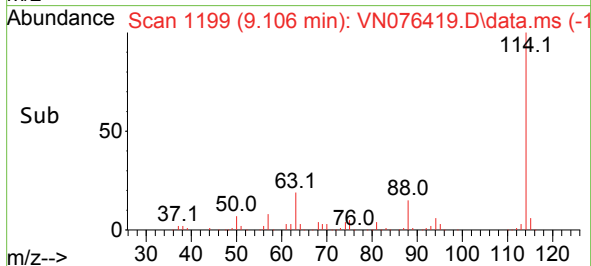
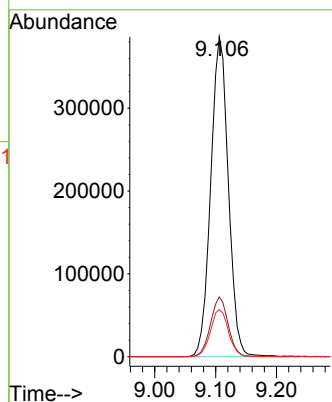
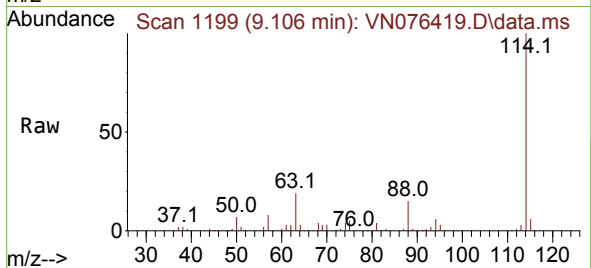
Tgt Ion:114 Resp: 775101

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.8

88 14.7 0.0 28.0



#35

Dibromofluoromethane

Concen: 47.852 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076419.D

Acq: 26 Jan 2023 14:49

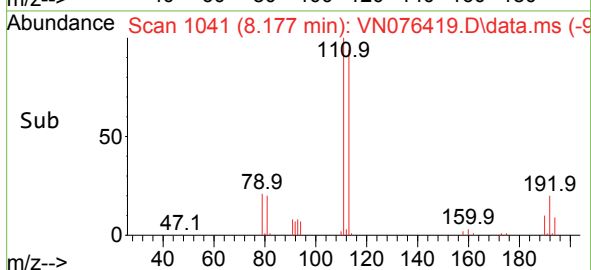
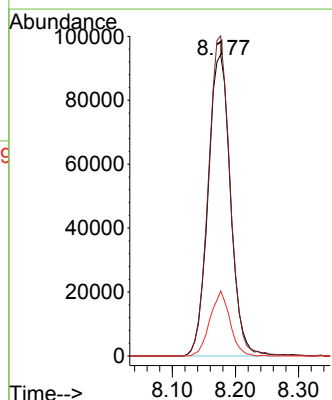
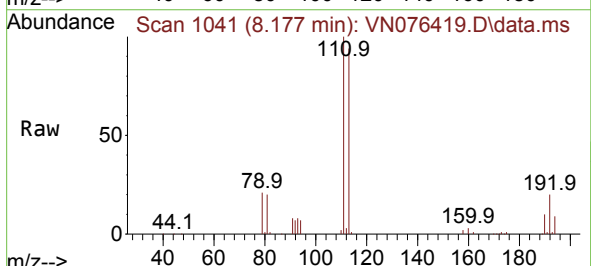
Tgt Ion:113 Resp: 232016

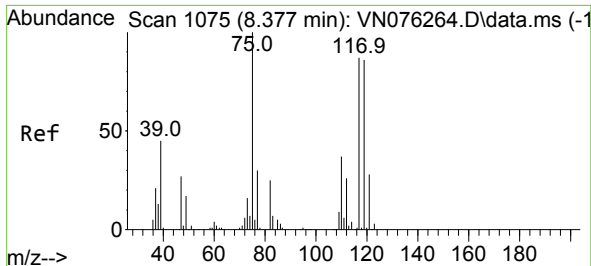
Ion Ratio Lower Upper

113 100

111 103.6 82.7 124.1

192 19.2 15.6 23.4

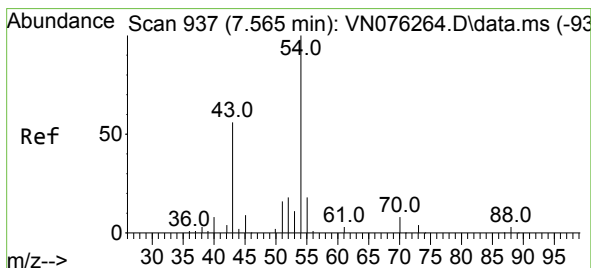
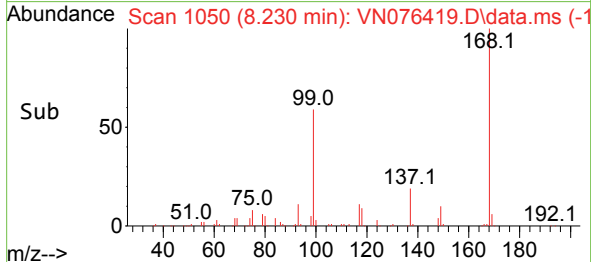
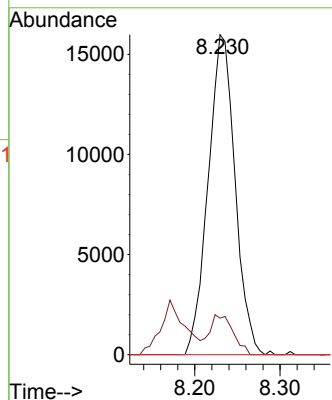
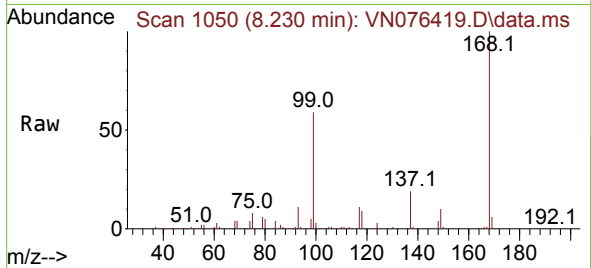




#36
1,1-Dichloropropene
Concen: 5.090 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

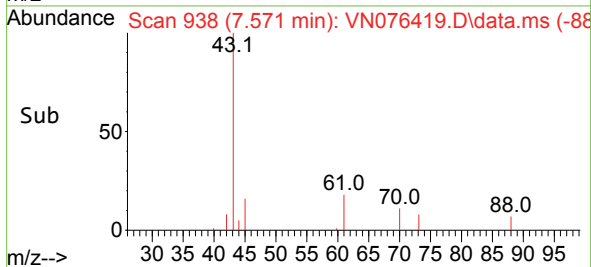
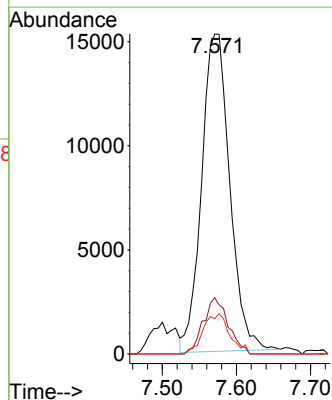
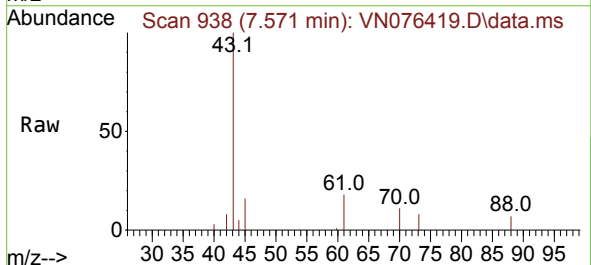
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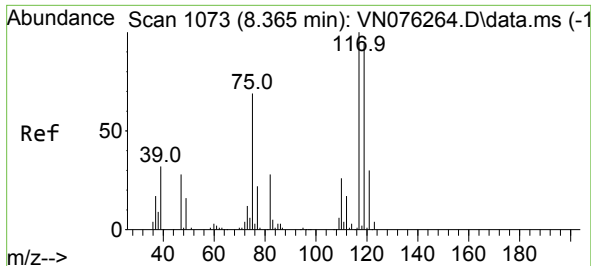
Tgt Ion: 75 Resp: 35068
Ion Ratio Lower Upper
75 100
110 11.0 18.8 56.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 7.315 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

Tgt Ion: 43 Resp: 40253
Ion Ratio Lower Upper
43 100
61 15.7 11.1 16.7
70 11.8 10.0 15.0

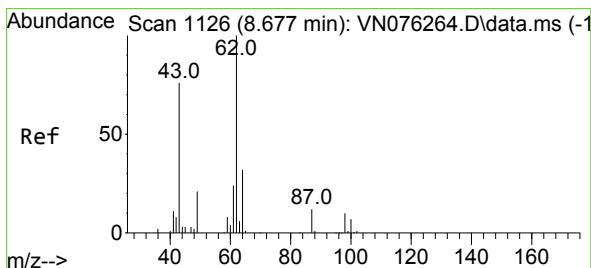
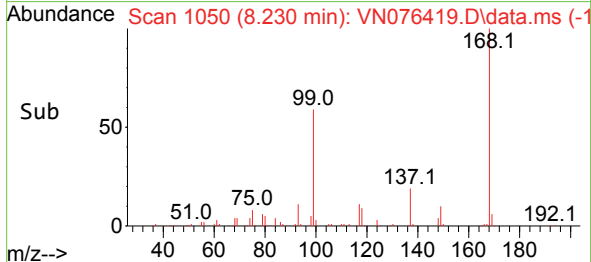
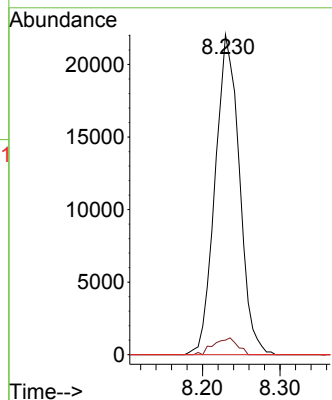
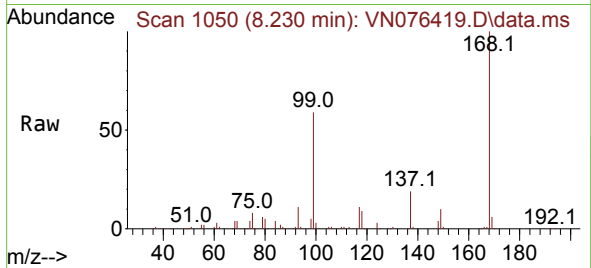




#38
Carbon Tetrachloride
Concen: 6.247 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

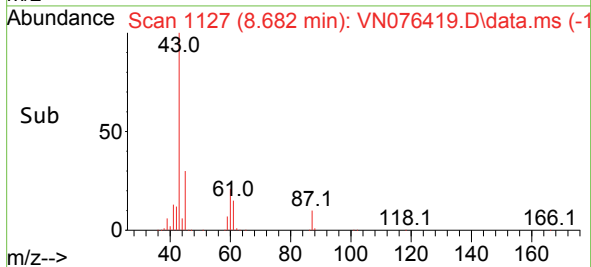
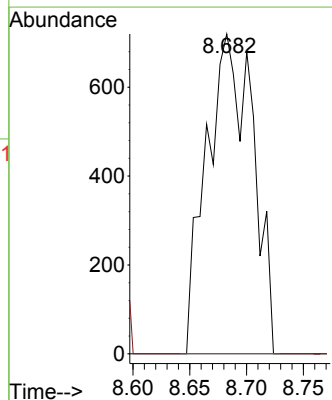
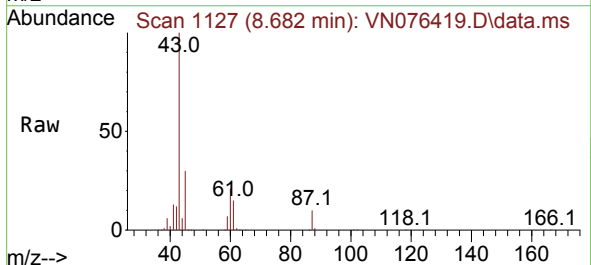
Instrument :
MSVOA_N
ClientSampleId :
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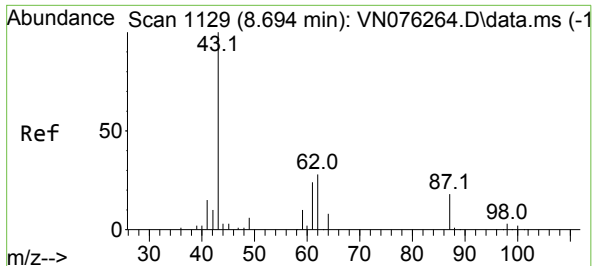
Tgt Ion:117 Resp: 47995
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.0#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 0.290 ug/l
RT: 8.682 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

Tgt Ion: 62 Resp: 2045
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.4

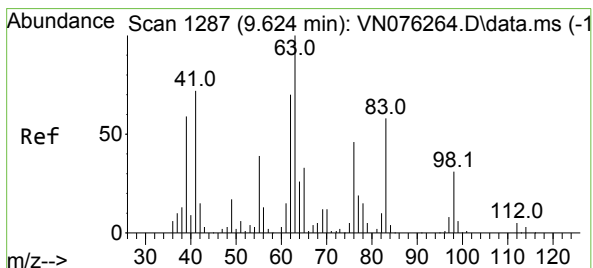
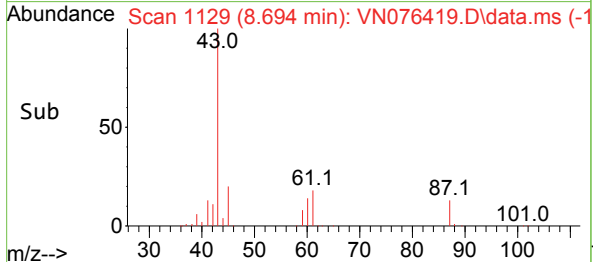
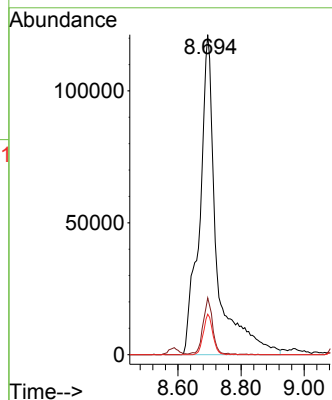
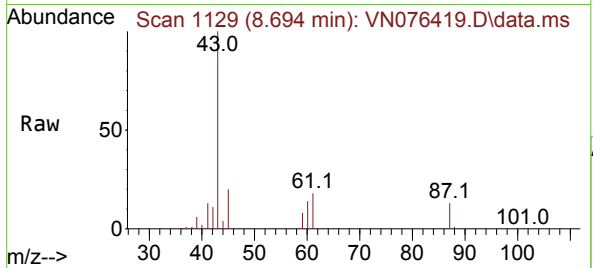




#43
Isopropyl Acetate
Concen: 50.723 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

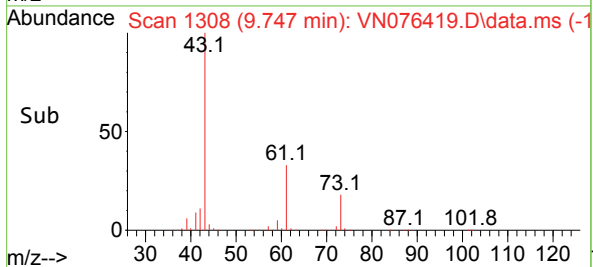
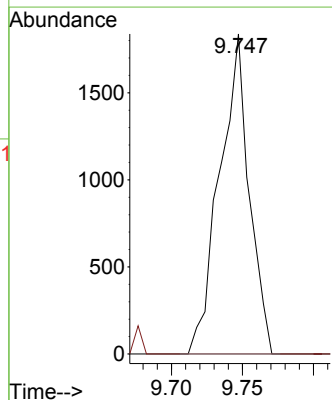
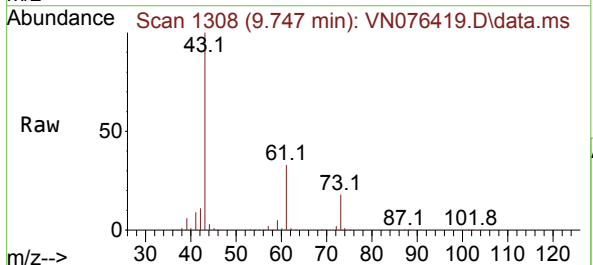
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#04

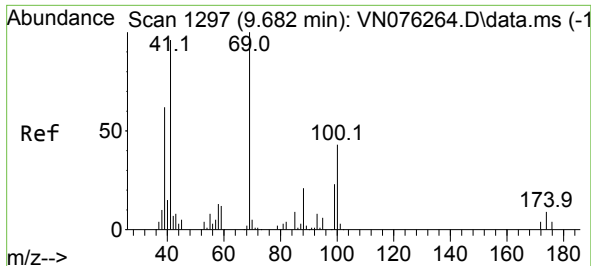
Tgt Ion: 43 Resp: 456002
Ion Ratio Lower Upper
43 100
61 10.1 23.5 35.3#
87 7.0 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 0.538 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

Tgt Ion: 63 Resp: 2655
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#

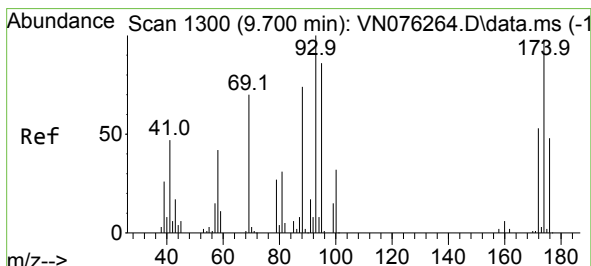
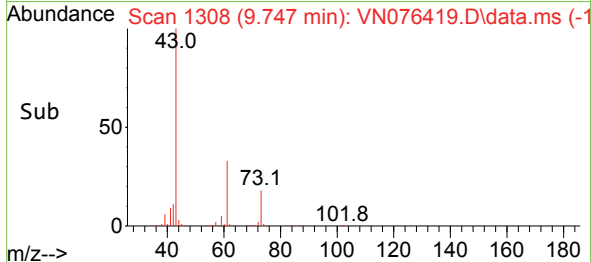
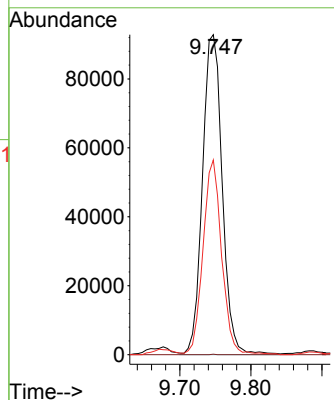
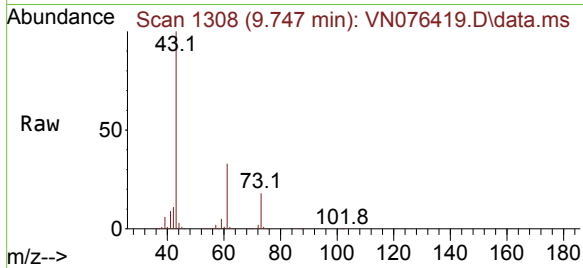




#48
Methyl methacrylate
Concen: 42.273 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.065 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

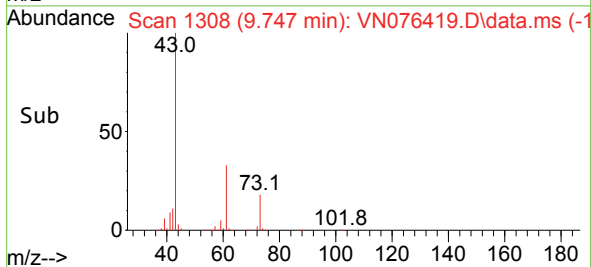
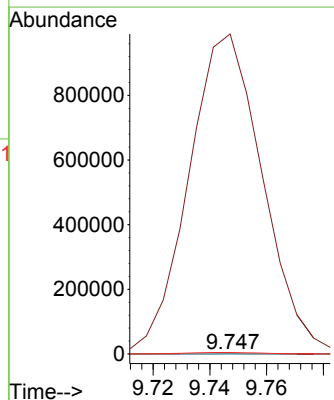
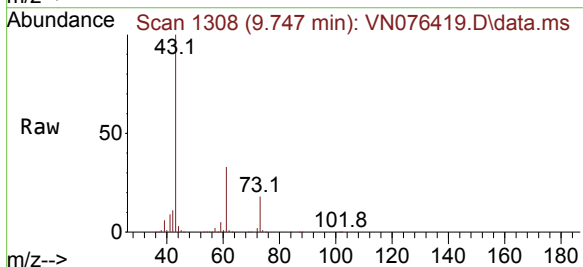
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#04

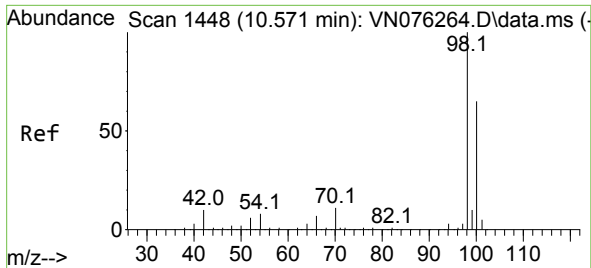
Tgt Ion: 41 Resp: 179915
Ion Ratio Lower Upper
41 100
69 0.0 80.8 121.2#
39 57.5 54.4 81.6



#49
1,4-Dioxane
Concen: 3.886 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

Tgt Ion: 88 Resp: 349
Ion Ratio Lower Upper
88 100
43 517550.1 18.1 27.1#
58 2412.0 46.5 69.7#

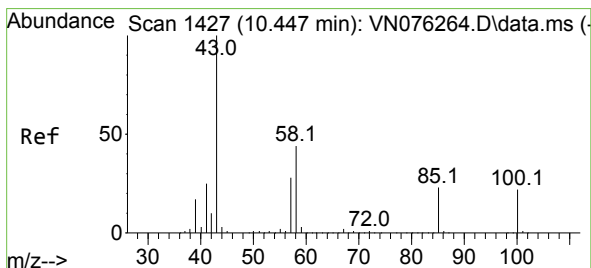
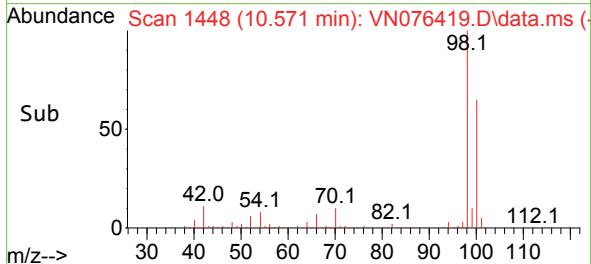
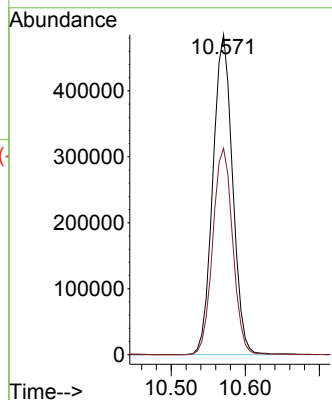
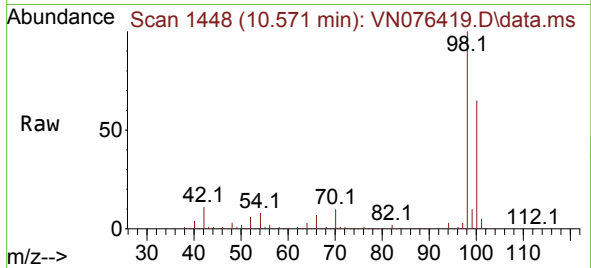




#50
Toluene-d8
Concen: 49.956 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

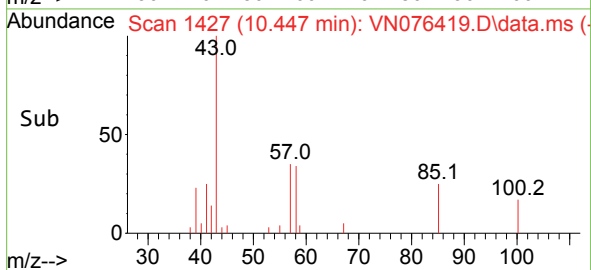
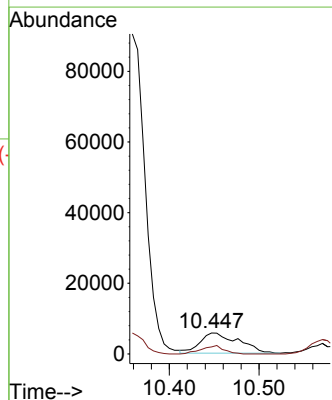
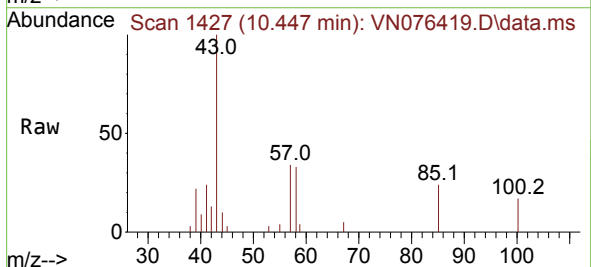
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#04

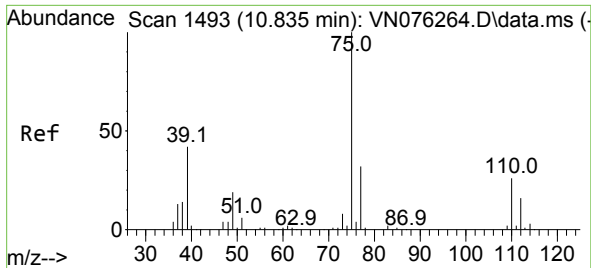
Tgt Ion: 98 Resp: 894523
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.238 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

Tgt Ion: 43 Resp: 17088
Ion Ratio Lower Upper
43 100
58 24.3 35.1 52.7#

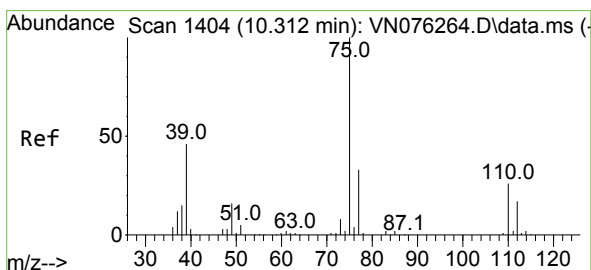
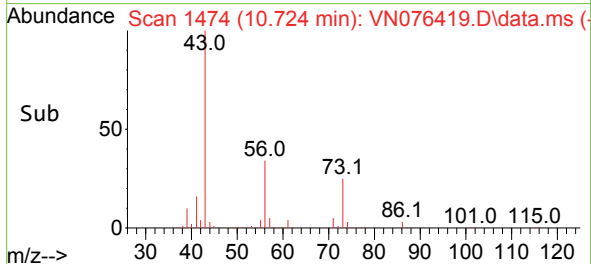
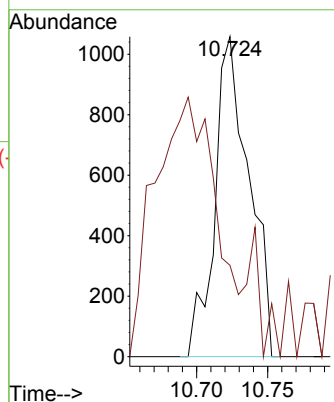
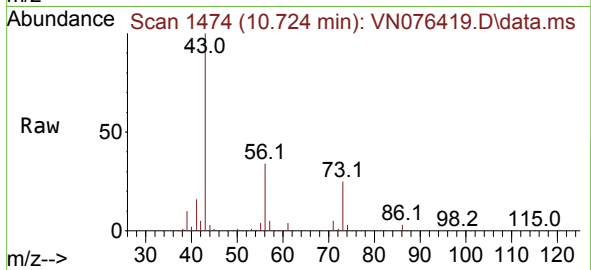




#53
 t-1,3-Dichloropropene
 Concen: 0.258 ug/l
 RT: 10.724 min Scan# 1412
 Delta R.T. -0.112 min
 Lab File: VN076419.D
 Acq: 26 Jan 2023 14:49

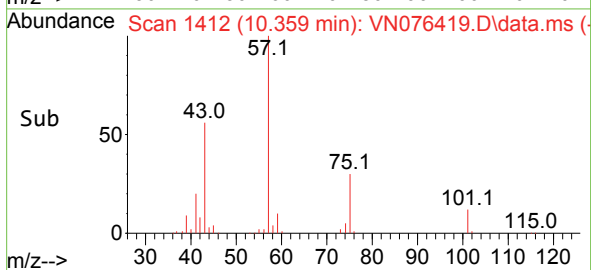
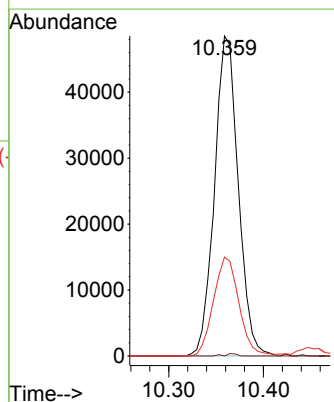
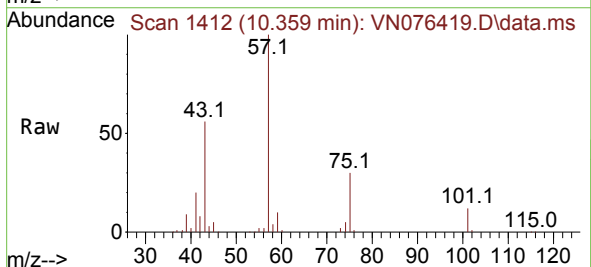
Instrument :
 MSVOA_N
 ClientSampleId :
 PB150465ZHE#04

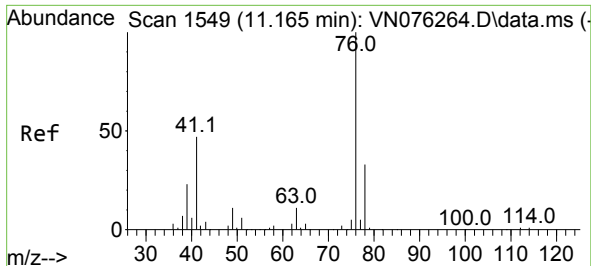
Tgt Ion: 75 Resp: 1773
 Ion Ratio Lower Upper
 75 100
 77 28.5 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 10.690 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076419.D
 Acq: 26 Jan 2023 14:49

Tgt Ion: 75 Resp: 84678
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.5 39.7#
 39 30.9 37.1 55.7#





#57

1,3-Dichloropropane

Concen: 1.291 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076419.D

Acq: 26 Jan 2023 14:49

Instrument :

MSVOA_N

ClientSampleId :

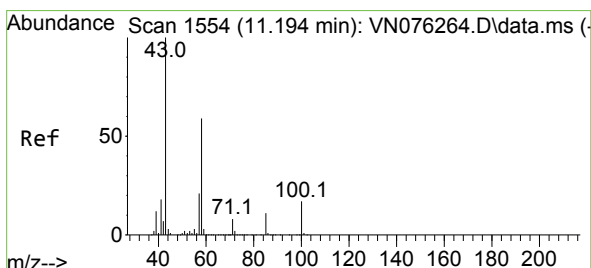
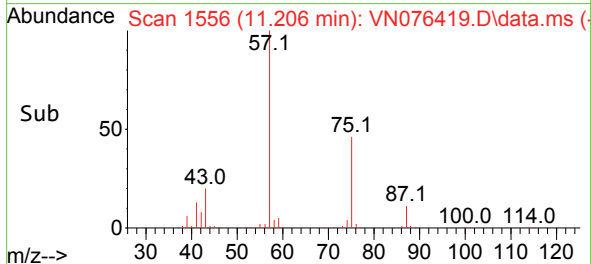
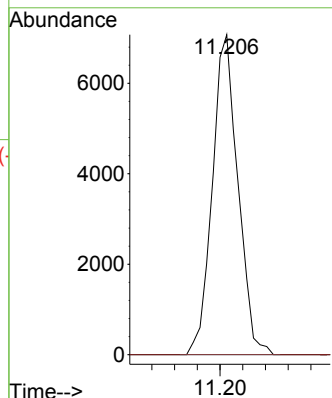
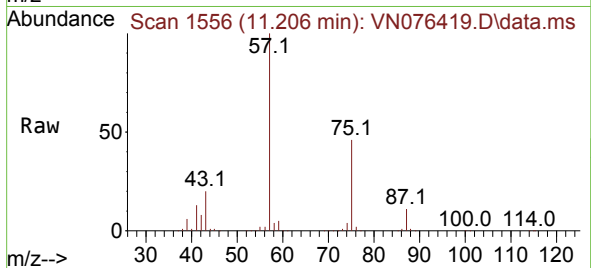
PB150465ZHE#04

Tgt Ion: 76 Resp: 11044

Ion Ratio Lower Upper

76 100

78 0.0 26.4 39.6#



#59

2-Hexanone

Concen: 44.496 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.018 min

Lab File: VN076419.D

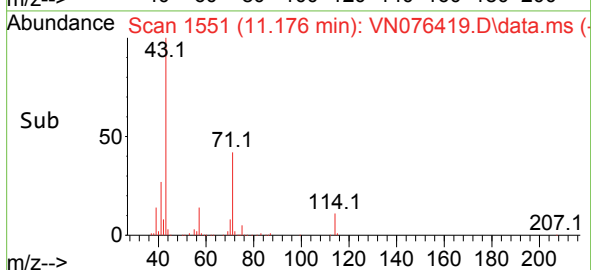
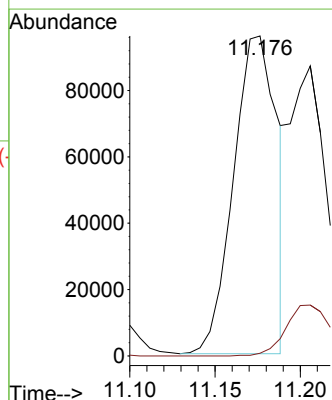
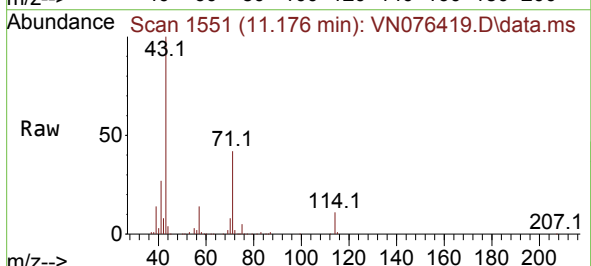
Acq: 26 Jan 2023 14:49

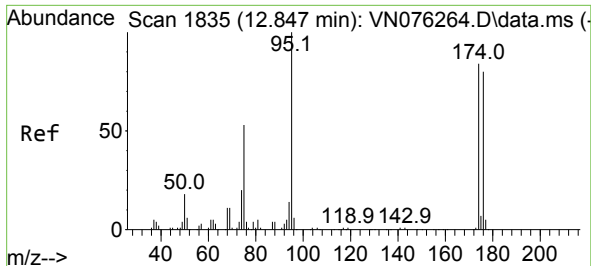
Tgt Ion: 43 Resp: 170168

Ion Ratio Lower Upper

43 100

58 0.0 30.1 90.3#

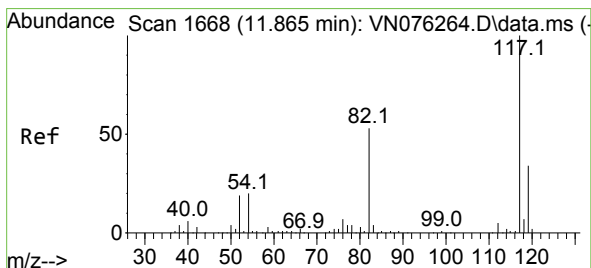
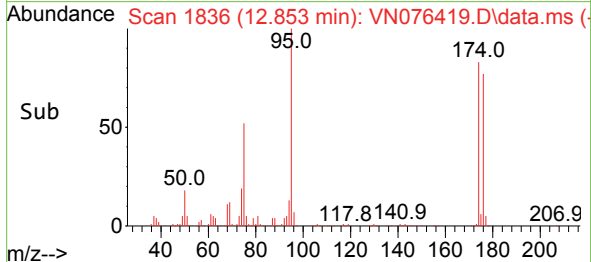
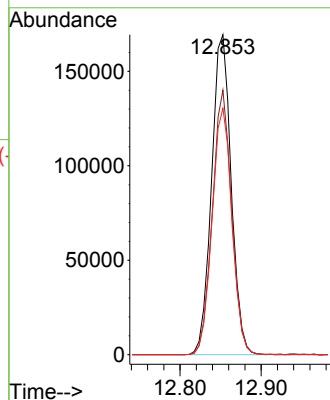
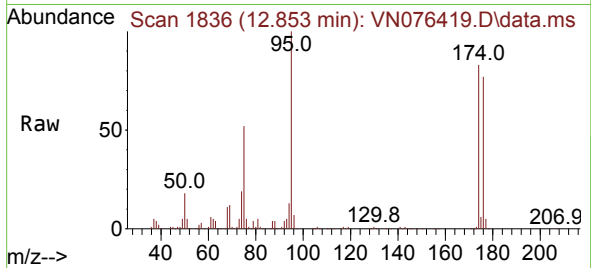




#62
4-Bromofluorobenzene
Concen: 48.552 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

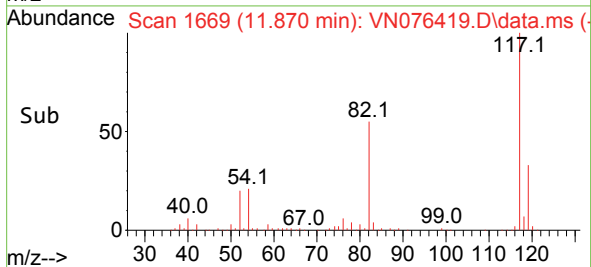
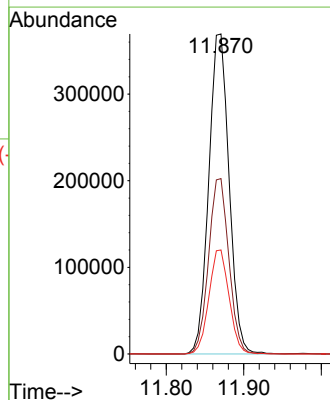
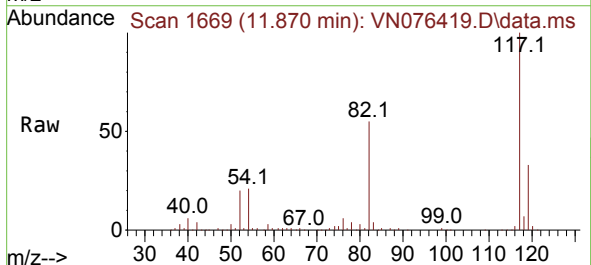
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#04

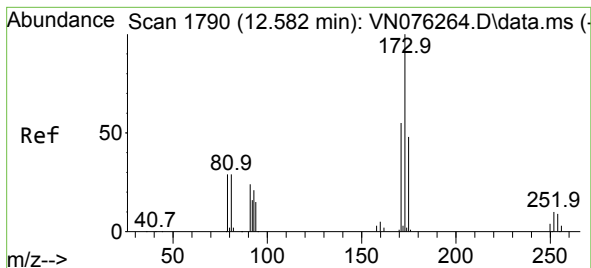
Tgt Ion: 95 Resp: 283816
Ion Ratio Lower Upper
95 100
174 81.4 0.0 174.6
176 78.1 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

Tgt Ion: 117 Resp: 673108
Ion Ratio Lower Upper
117 100
82 54.8 42.2 63.2
119 32.5 26.9 40.3





#71

Bromoform

Concen: 0.508 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.265 min

Lab File: VN076419.D

Acq: 26 Jan 2023 14:49

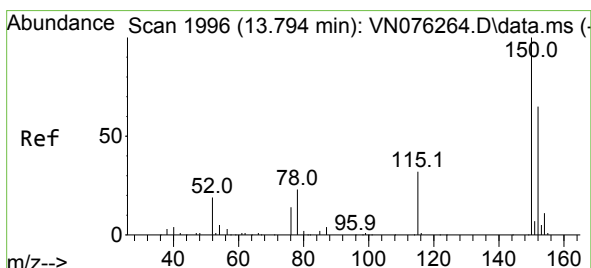
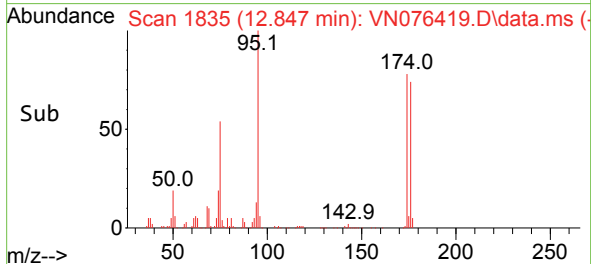
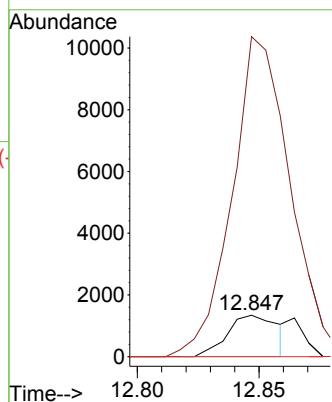
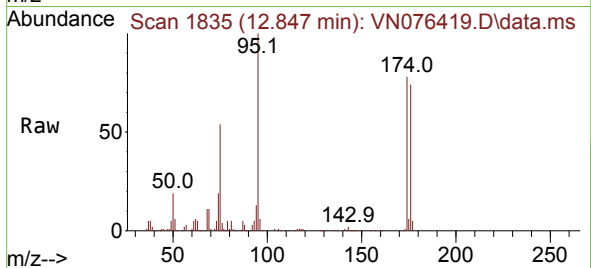
Instrument :

MSVOA_N

ClientSampleId :

PB150465ZHE#04

Tgt Ion:	173	Resp:	1944
Ion Ratio	Lower	Upper	
173	100		
175	724.7	24.1	72.4#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

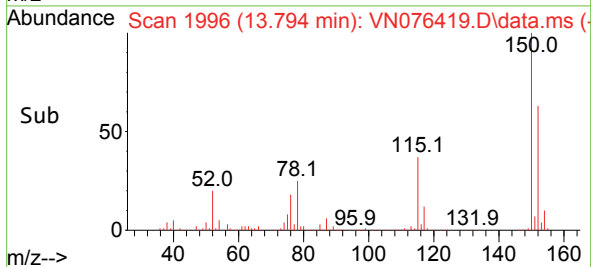
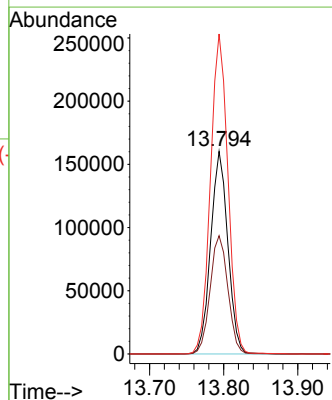
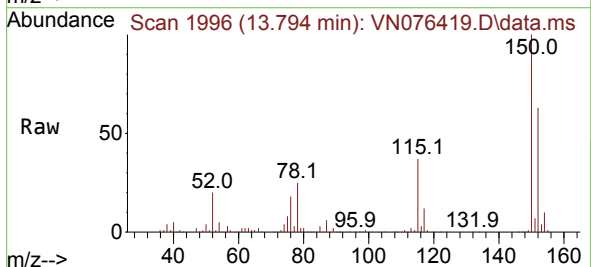
RT: 13.794 min Scan# 1996

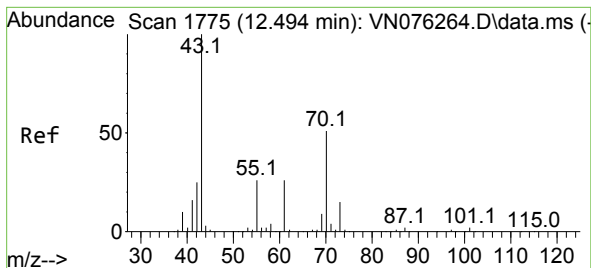
Delta R.T. -0.000 min

Lab File: VN076419.D

Acq: 26 Jan 2023 14:49

Tgt Ion:	152	Resp:	258483
Ion Ratio	Lower	Upper	
152	100		
115	60.2	29.6	88.9
150	160.3	0.0	351.4

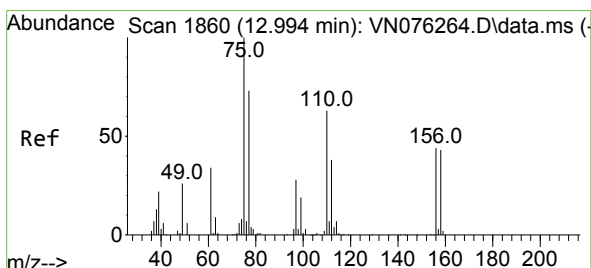
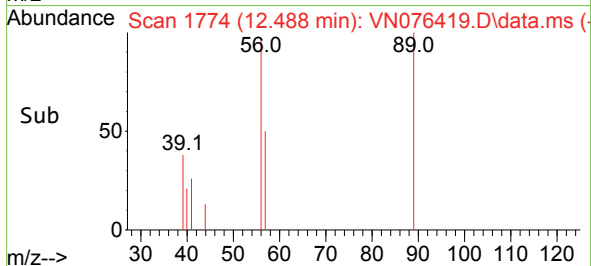
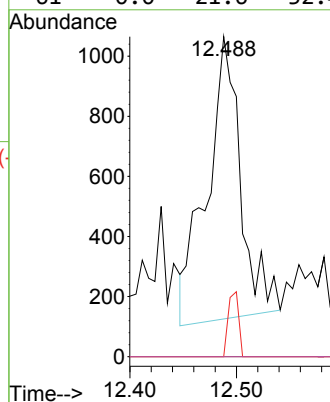
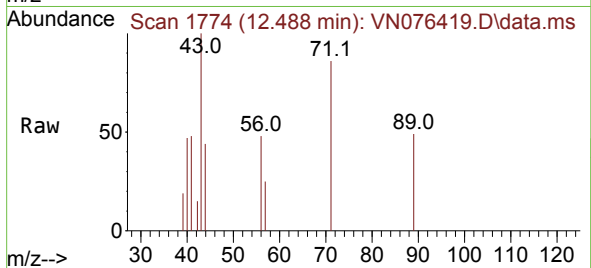




#74
N-amy1 acetate
Concen: 0.359 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

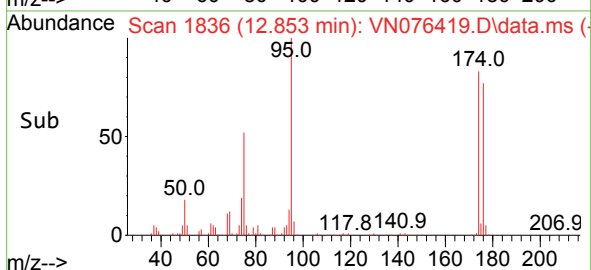
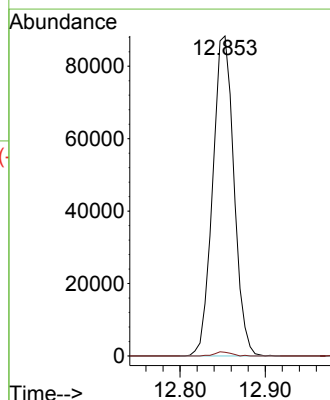
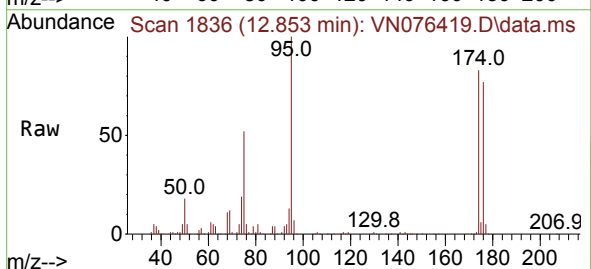
Instrument :
MSVOA_N
ClientSampleId :
PB150465ZHE#04

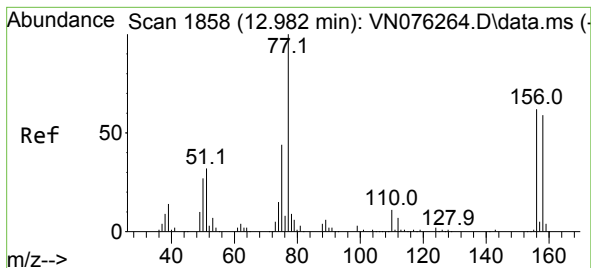
Tgt Ion:	43	Resp:	2063
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.2	61.8#
55	7.1	21.0	31.6#
61	0.0	21.6	32.4#



#76
1,2,3-Trichloropropane
Concen: 32.176 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076419.D
Acq: 26 Jan 2023 14:49

Tgt Ion:	75	Resp:	153107
Ion	Ratio	Lower	Upper
75	100		
77	1.0	75.2	225.6#





#77

Bromobenzene

Concen: Below Cal

RT: 12.982 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VN076419.D

Acq: 26 Jan 2023 14:49

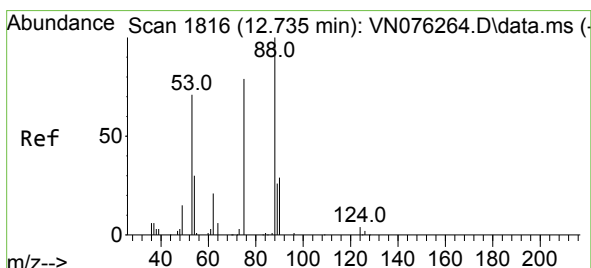
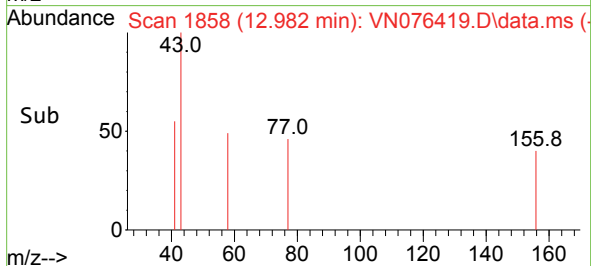
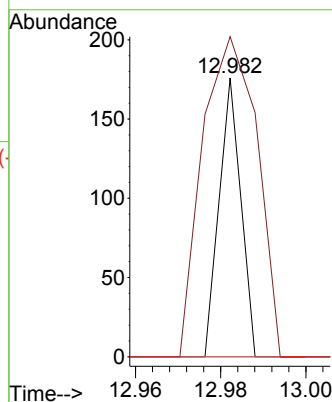
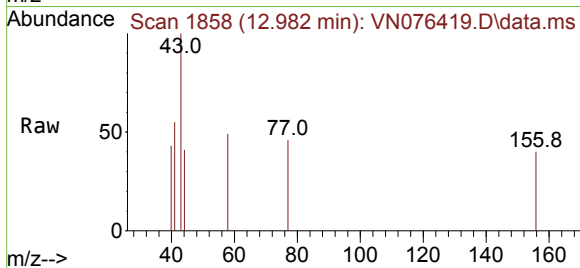
Instrument :

MSVOA_N

ClientSampleId :

PB150465ZHE#04

Tgt Ion:	156	Resp:	62
Ion Ratio	Lower	Upper	
156	100		
77	290.3	93.4	280.2#
158	0.0	48.4	145.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.553 ug/l

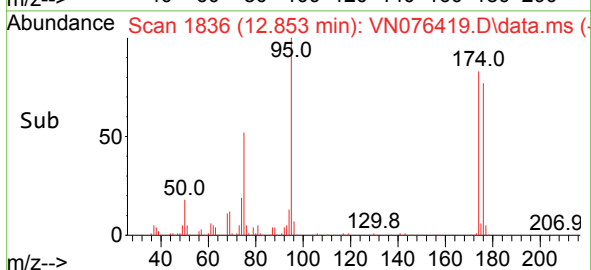
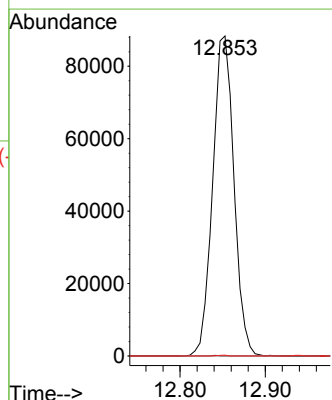
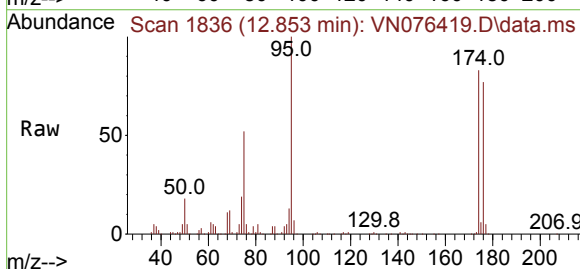
RT: 12.853 min Scan# 1836

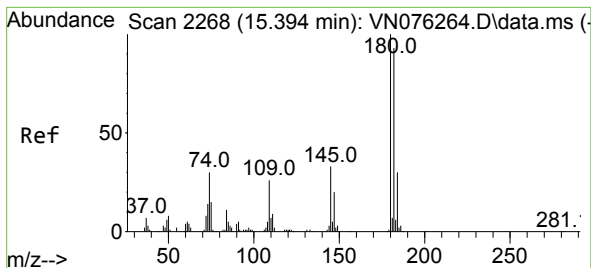
Delta R.T. 0.118 min

Lab File: VN076419.D

Acq: 26 Jan 2023 14:49

Tgt Ion:	75	Resp:	153107
Ion Ratio	Lower	Upper	
75	100		
53	0.0	75.8	113.8#
89	0.1	37.0	55.6#





#93

1,2,4-Trichlorobenzene

Concen: 1.391 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN076419.D

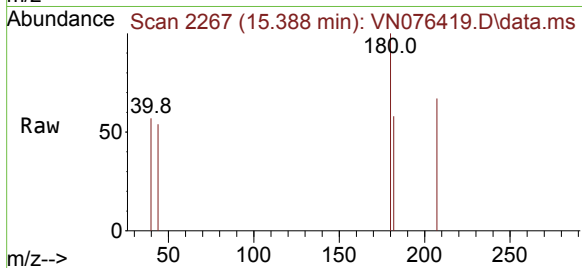
Acq: 26 Jan 2023 14:49

Instrument :

MSVOA_N

ClientSampleId :

PB150465ZHE#04



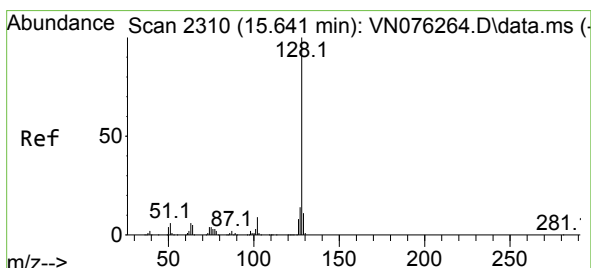
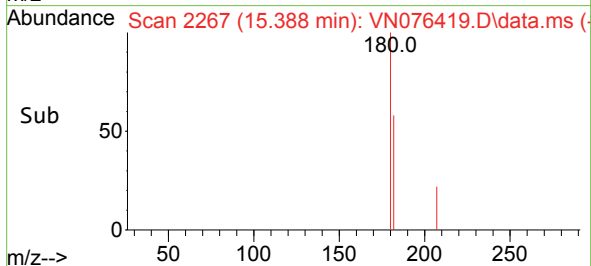
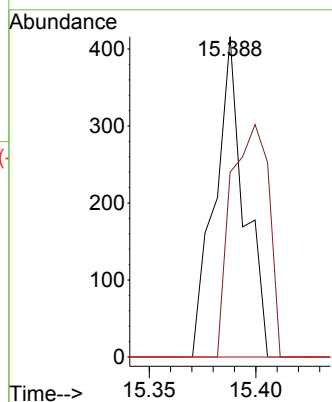
Tgt Ion:180 Resp: 399

Ion Ratio Lower Upper

180 100

182 93.2 47.0 141.2

145 0.0 15.2 45.5#



#95

Naphthalene

Concen: 1.971 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN076419.D

Acq: 26 Jan 2023 14:49

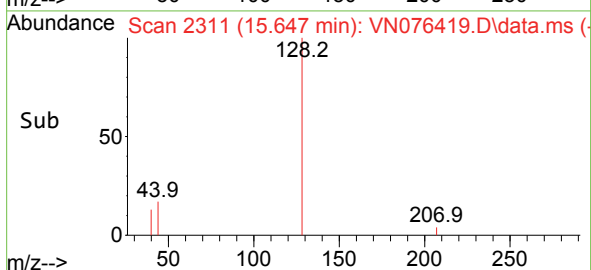
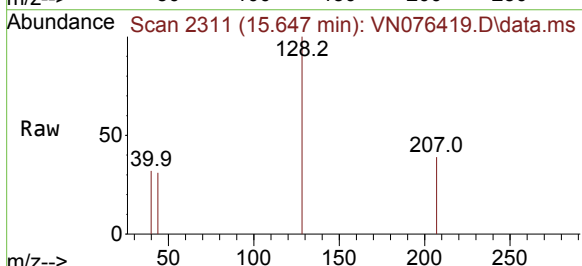
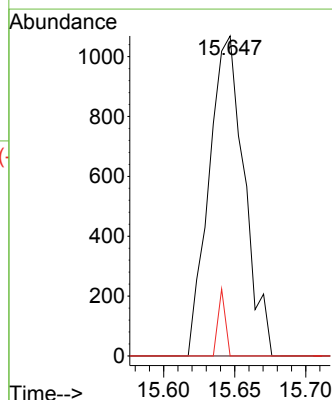
Tgt Ion:128 Resp: 1839

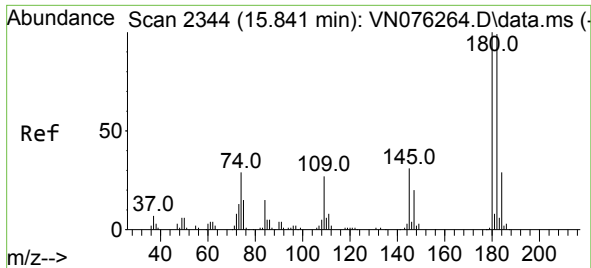
Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

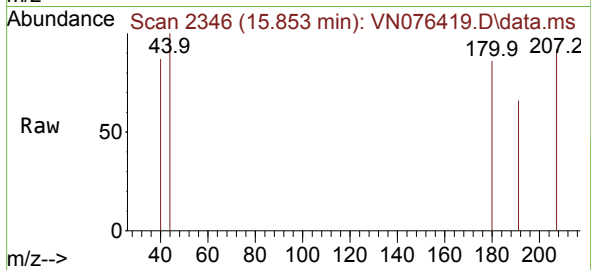
129 4.3 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.190 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN076419.D
 Acq: 26 Jan 2023 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150465ZHE#04



Tgt Ion:180 Resp: 160
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.5 142.5
 145 0.0 15.9 47.6#

