

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022823\
 Data File : VN076831.D
 Acq On : 28 Feb 2023 16:33
 Operator : JC\MD
 Sample : PB151081ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151081ZHE#03

Quant Time: Mar 01 01:29:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

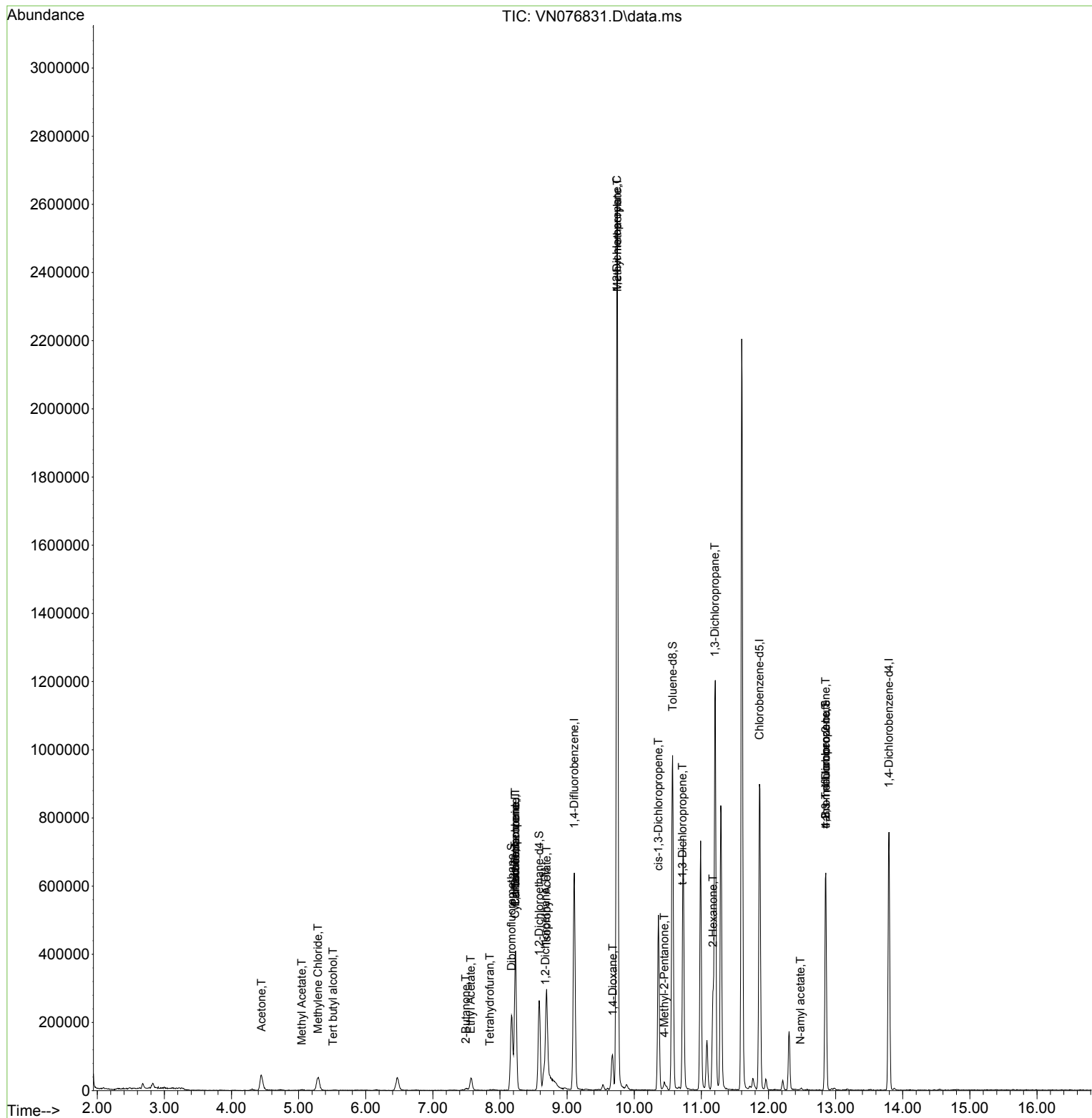
Internal Standards						
1) Pentafluorobenzene	8.231	168	286510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	524702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	507465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	190169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	205596	51.967	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.940%			
35) Dibromofluoromethane	8.172	113	157359	45.795	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.580%			
50) Toluene-d8	10.572	98	655378	51.071	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.140%			
62) 4-Bromofluorobenzene	12.854	95	201929	47.511	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.020%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.513	59	1043	1.997	ug/l #	87
16) Acetone	4.449	43	88593	50.131	ug/l #	87
18) Methyl Acetate	5.049	43	5444	0.944	ug/l #	80
20) Methylene Chloride	5.290	84	27804	7.507	ug/l	89
25) 2-Butanone	7.490	43	6181	2.371	ug/l	99
29) Tetrahydrofuran	7.848	42	681	0.400	ug/l #	65
31) Cyclohexane	8.225	56	7755	1.250	ug/l #	42
36) 1,1-Dichloropropene	8.231	75	25525	5.141	ug/l #	50
37) Ethyl Acetate	7.566	43	56190	10.757	ug/l	96
38) Carbon Tetrachloride	8.231	117	30396	6.069	ug/l #	15
42) 1,2-Dichloroethane	8.678	62	1289	0.242	ug/l #	74
43) Isopropyl Acetate	8.695	43	416319	48.979	ug/l #	78
45) 1,2-Dichloropropane	9.742	63	2636	0.653	ug/l #	44
48) Methyl methacrylate	9.748	41	240654	59.665	ug/l #	45
49) 1,4-Dioxane	9.684	88	55	0.788	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	25021	4.627	ug/l #	78
53) t-1,3-Dichloropropene	10.719	75	1318	0.264	ug/l #	84
54) cis-1,3-Dichloropropene	10.360	75	83016	14.414	ug/l #	69
57) 1,3-Dichloropropane	11.201	76	11573	1.800	ug/l #	43
59) 2-Hexanone	11.172	43	231485	59.365	ug/l #	27
74) N-amyl acetate	12.477	43	2051	0.326	ug/l #	57
76) 1,2,3-Trichloropropane	12.854	75	115809	30.122	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	115809	87.732	ug/l #	4

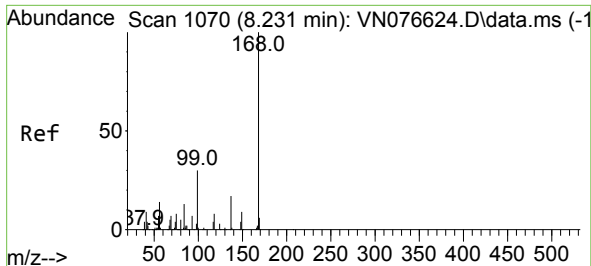
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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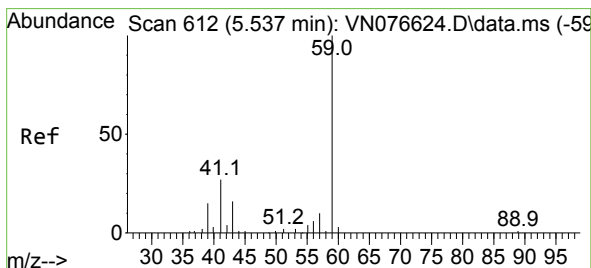
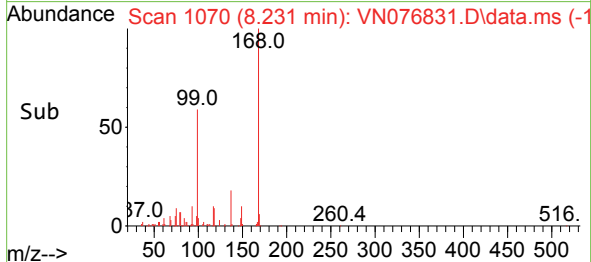
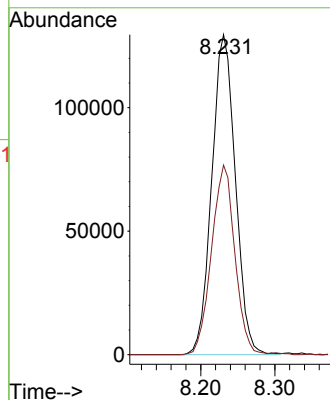
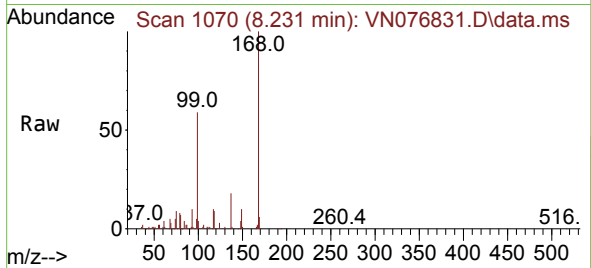




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

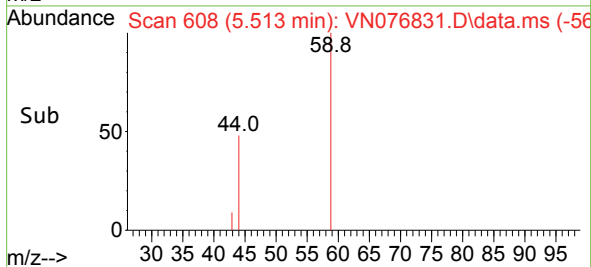
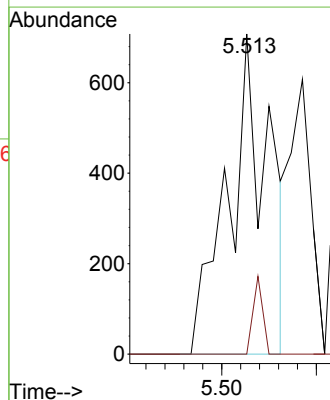
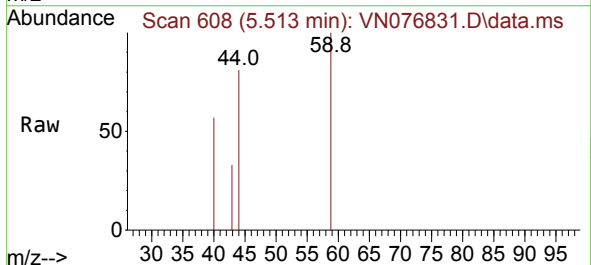
Instrument :
MSVOA_N
ClientSampleId :
PB151081ZHE#03

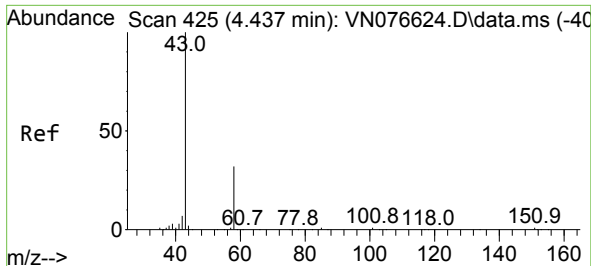
Tgt Ion:168 Resp: 286510
Ion Ratio Lower Upper
168 100
99 59.3 44.8 67.2



#11
Tert butyl alcohol
Concen: 1.997 ug/l
RT: 5.513 min Scan# 608
Delta R.T. -0.024 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

Tgt Ion: 59 Resp: 1043
Ion Ratio Lower Upper
59 100
57 5.8 8.7 13.1#

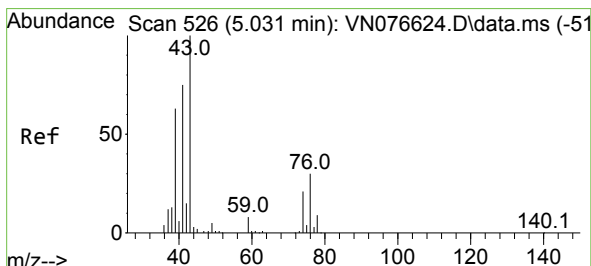
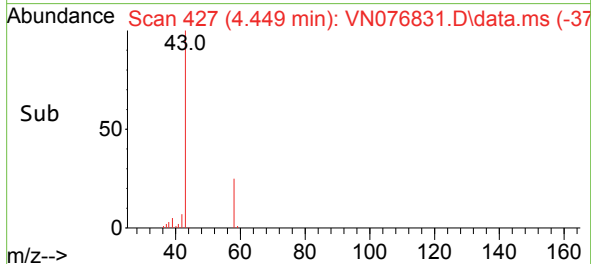
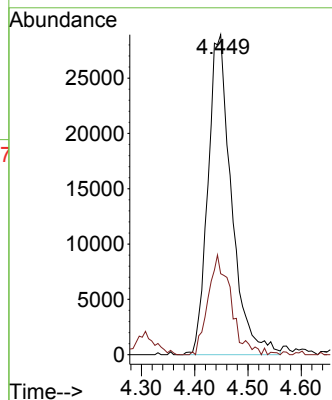
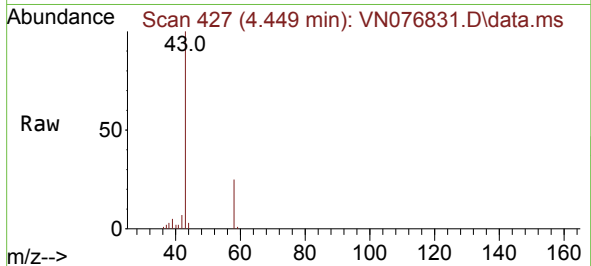




#16
Acetone
Concen: 50.131 ug/l
RT: 4.449 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

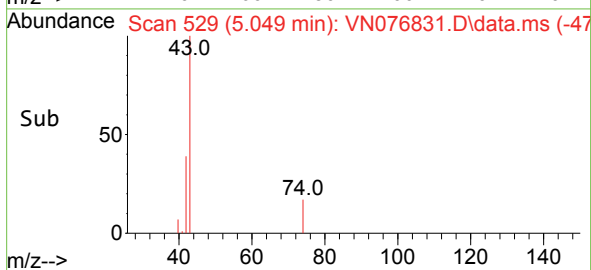
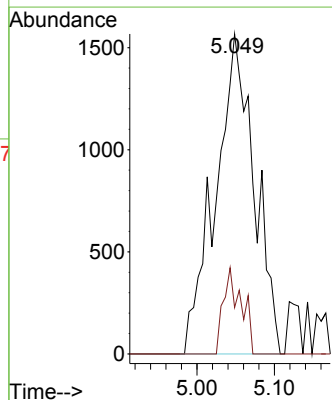
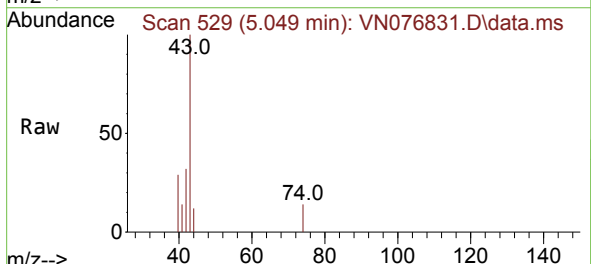
Instrument :
MSVOA_N
ClientSampleId :
PB151081ZHE#03

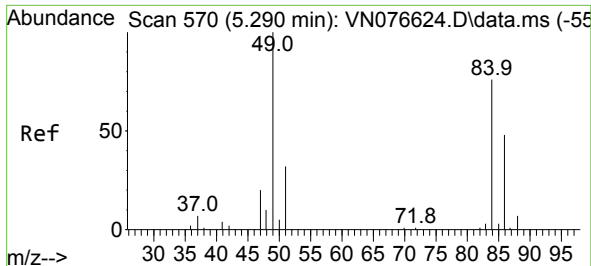
Tgt Ion: 43 Resp: 88593
Ion Ratio Lower Upper
43 100
58 25.3 25.9 38.9#



#18
Methyl Acetate
Concen: 0.944 ug/l
RT: 5.049 min Scan# 529
Delta R.T. 0.018 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

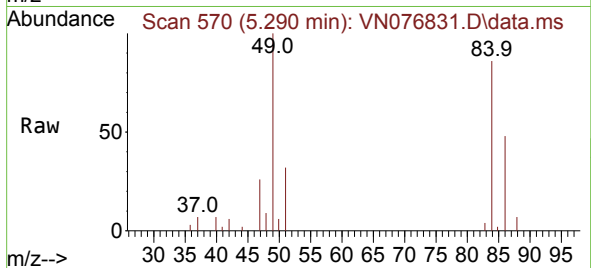
Tgt Ion: 43 Resp: 5444
Ion Ratio Lower Upper
43 100
74 12.5 17.7 26.5#



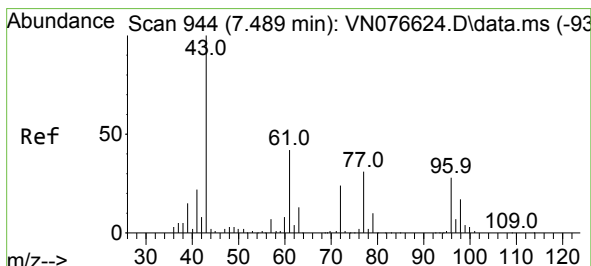
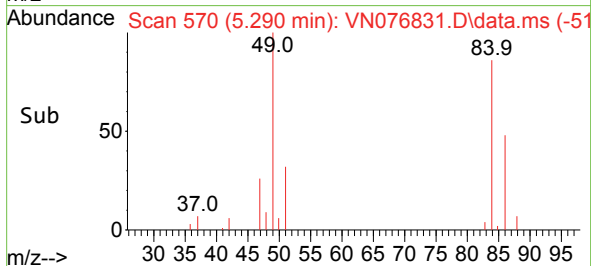
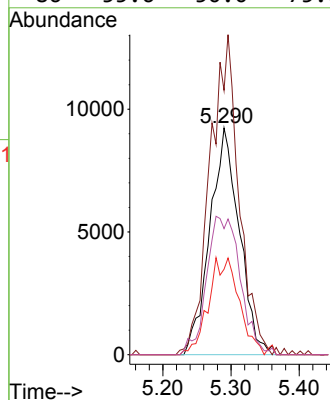


#20
Methylene Chloride
Concen: 7.507 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

Instrument :
MSVOA_N
ClientSampleId :
PB151081ZHE#03

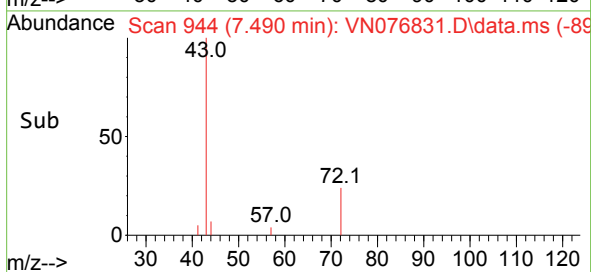
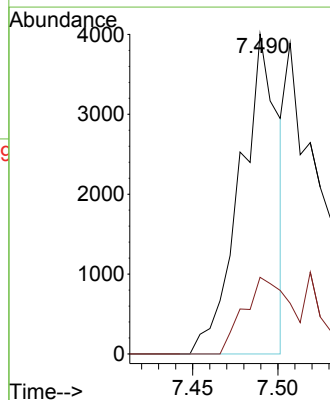
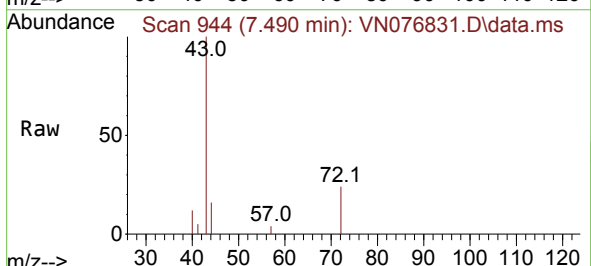


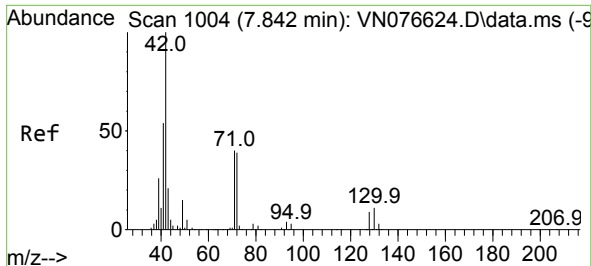
Tgt Ion: 84	Resp: 27804
Ion Ratio	Lower Upper
84 100	
49 116.6	104.9 157.3
51 37.7	33.8 50.8
86 55.6	50.0 75.0



#25
2-Butanone
Concen: 2.371 ug/l
RT: 7.490 min Scan# 944
Delta R.T. 0.001 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

Tgt Ion: 43	Resp: 6181
Ion Ratio	Lower Upper
43 100	
72 23.9	19.4 29.2





#29

Tetrahydrofuran

Concen: 0.400 ug/l

RT: 7.848 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VN076831.D

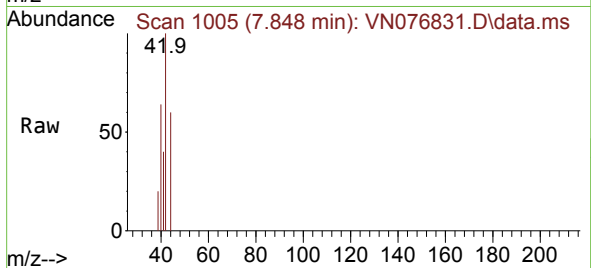
Acq: 28 Feb 2023 16:33

Instrument :

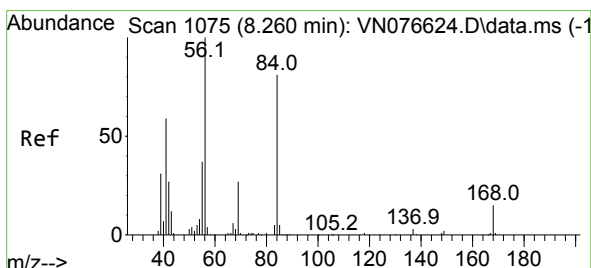
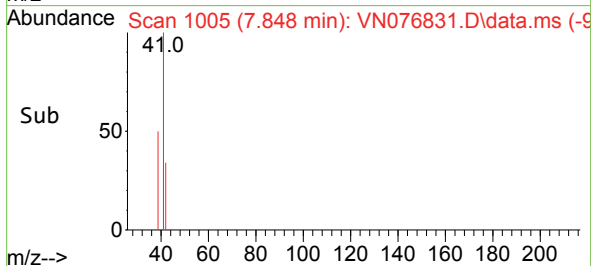
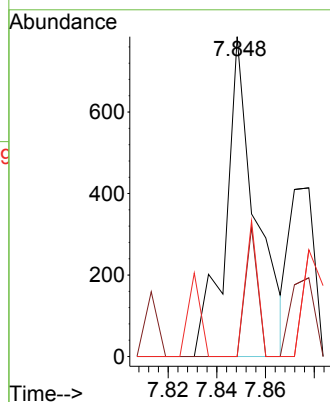
MSVOA_N

ClientSampleId :

PB151081ZHE#03



Tgt Ion: 42	Resp: 681
Ion Ratio	Lower Upper
42	100
72	16.4 31.5 47.3#
71	17.3 29.8 44.8#



#31

Cyclohexane

Concen: 1.250 ug/l

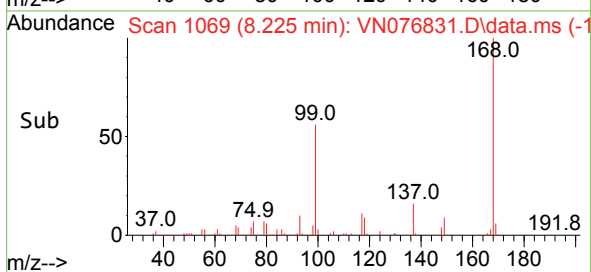
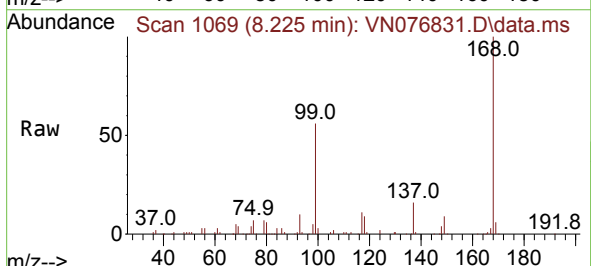
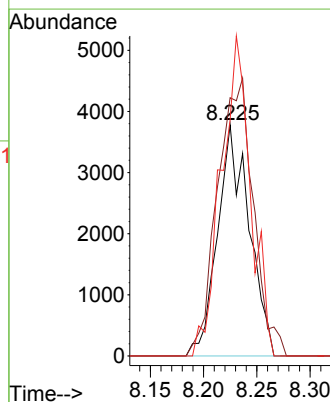
RT: 8.225 min Scan# 1069

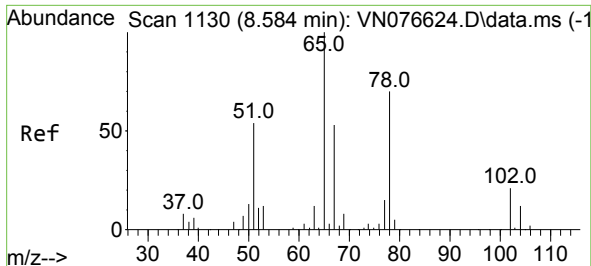
Delta R.T. -0.035 min

Lab File: VN076831.D

Acq: 28 Feb 2023 16:33

Tgt Ion: 56	Resp: 7755
Ion Ratio	Lower Upper
56	100
69	111.7 21.6 32.4#
84	102.2 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: 51.967 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076831.D

Acq: 28 Feb 2023 16:33

Instrument :

MSVOA_N

ClientSampleId :

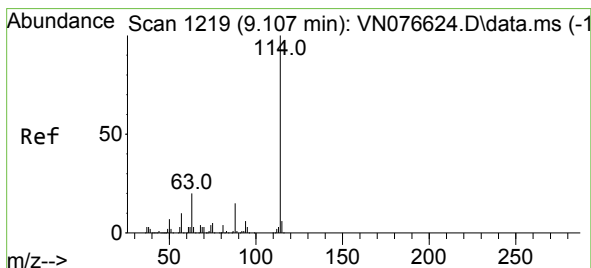
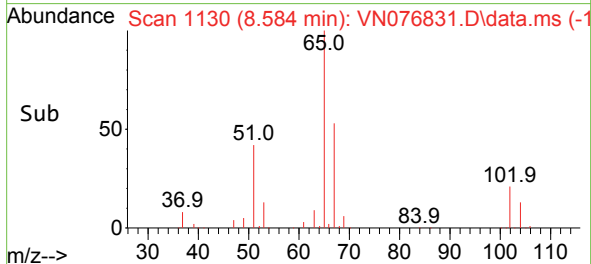
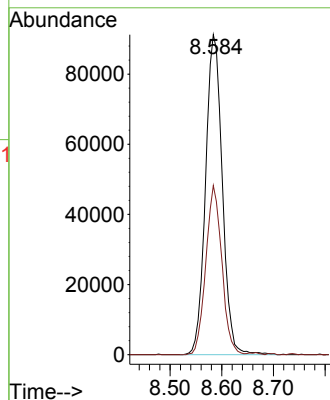
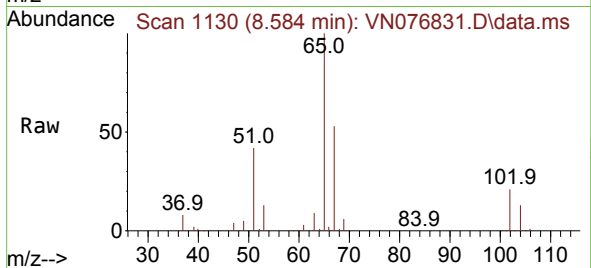
PB151081ZHE#03

Tgt Ion: 65 Resp: 205596

Ion Ratio Lower Upper

65 100

67 50.4 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN076831.D

Acq: 28 Feb 2023 16:33

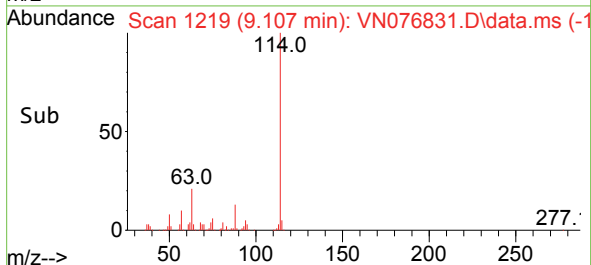
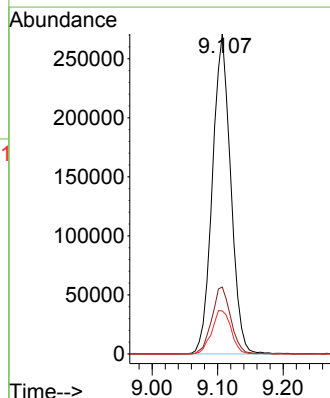
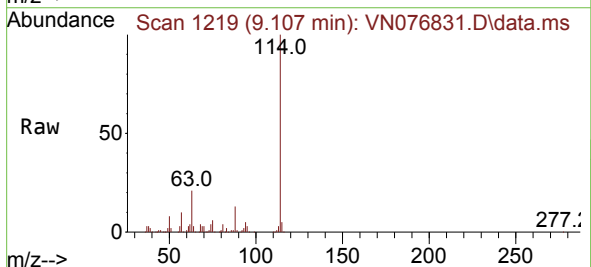
Tgt Ion: 114 Resp: 524702

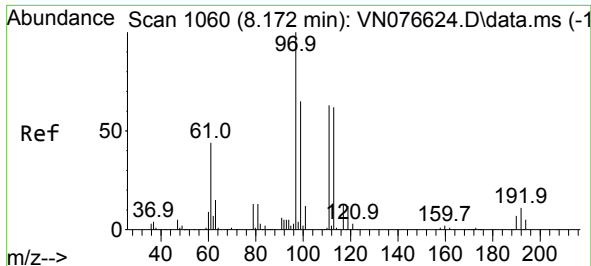
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 13.4 0.0 29.6

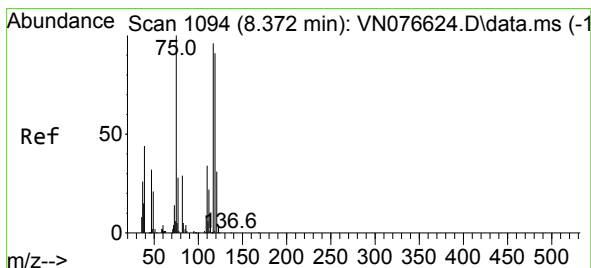
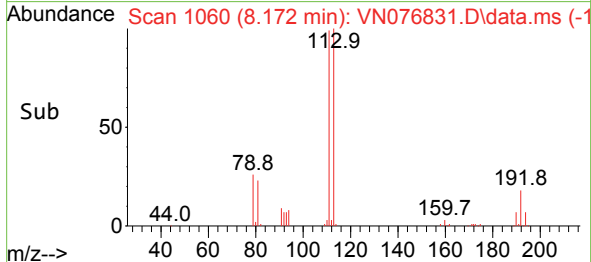
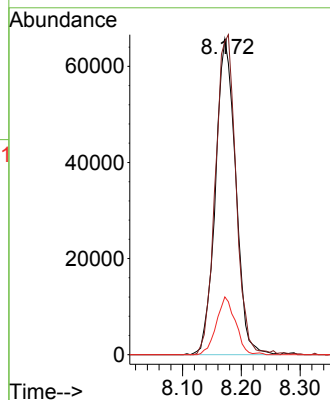
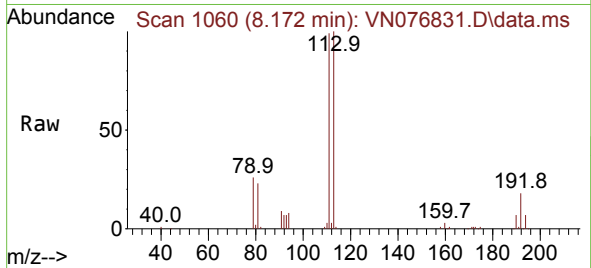




#35
Dibromofluoromethane
Concen: 45.795 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

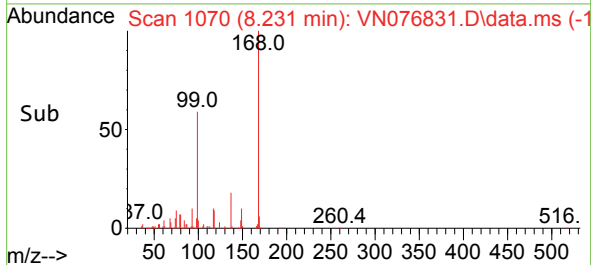
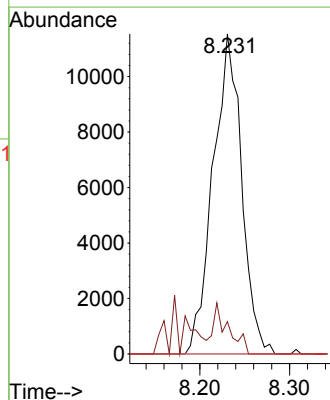
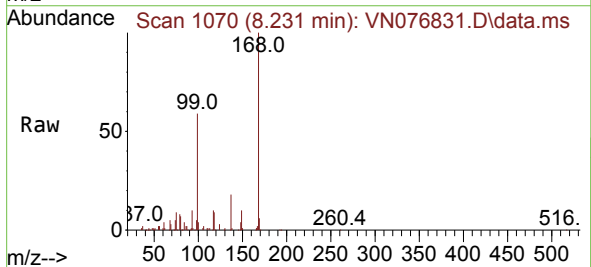
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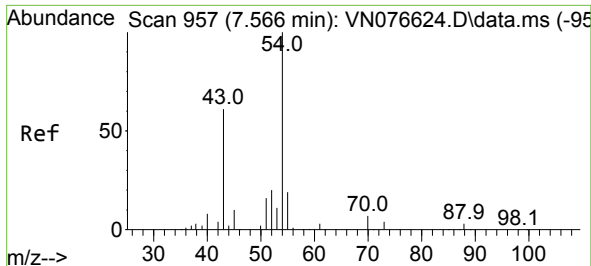
Tgt Ion:113 Resp: 157359
Ion Ratio Lower Upper
113 100
111 103.3 83.1 124.7
192 17.3 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.141 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

Tgt Ion: 75 Resp: 25525
Ion Ratio Lower Upper
75 100
110 8.6 17.5 52.5#
77 0.0 24.5 36.7#

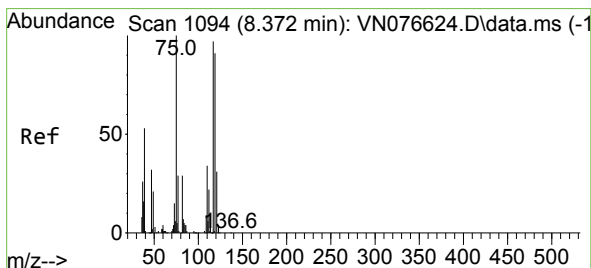
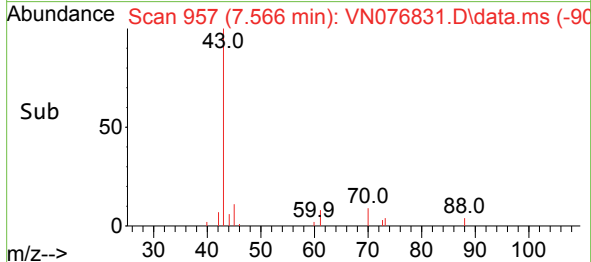
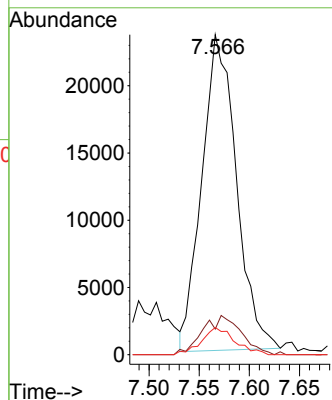
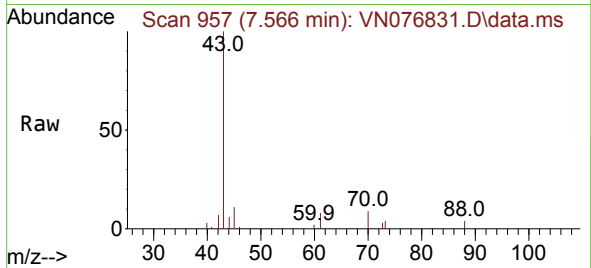




#37
Ethyl Acetate
Concen: 10.757 ug/l
RT: 7.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

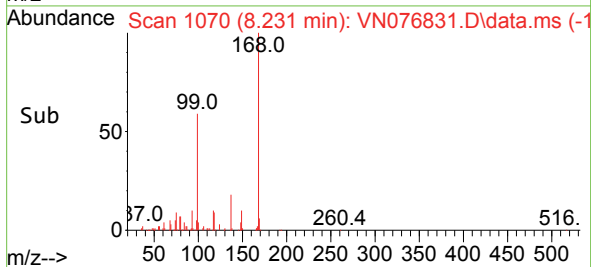
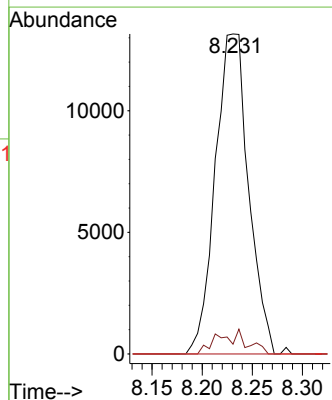
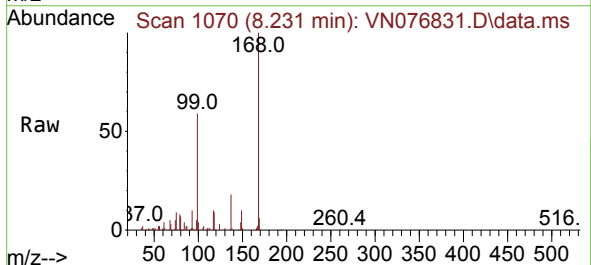
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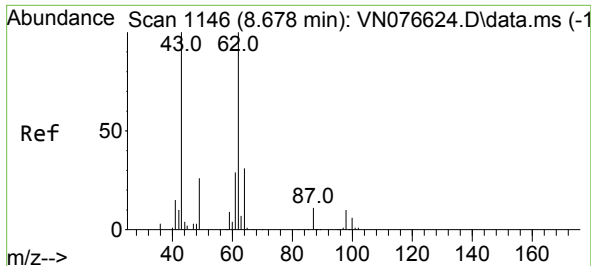
Tgt Ion:	43	Resp:	56190
Ion	Ratio	Lower	Upper
43	100		
61	14.0	9.9	14.9
70	8.4	7.8	11.6



#38
Carbon Tetrachloride
Concen: 6.069 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

Tgt Ion:	117	Resp:	30396
Ion	Ratio	Lower	Upper
117	100		
119	3.0	75.4	113.0#
121	0.0	26.0	39.0#

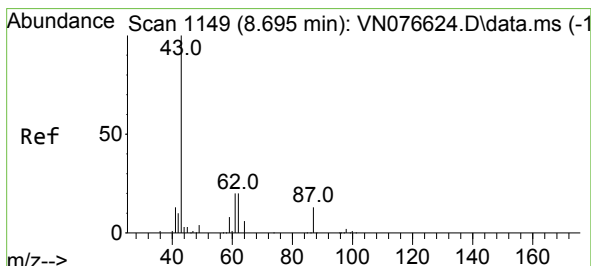
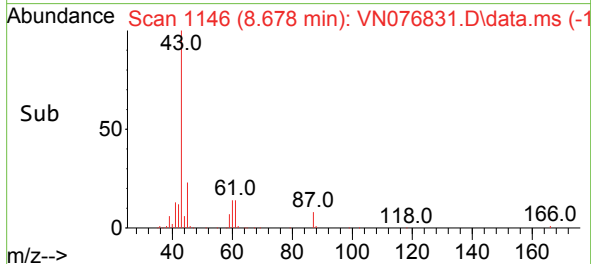
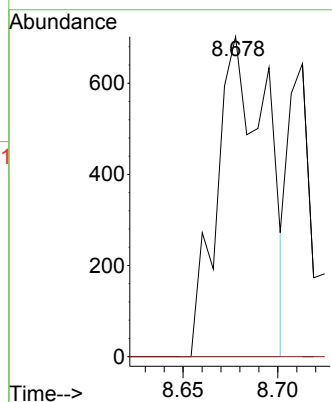
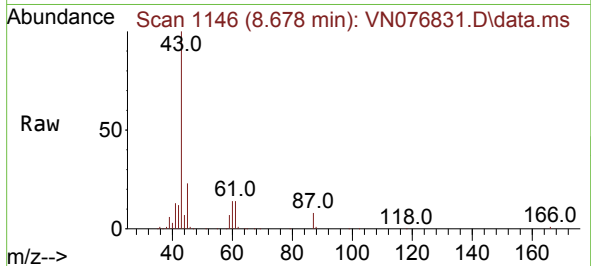




#42
1,2-Dichloroethane
Concen: 0.242 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

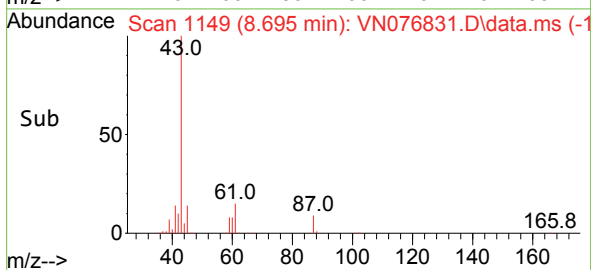
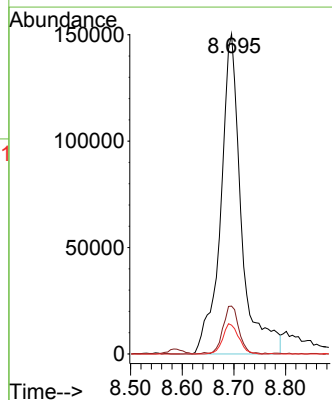
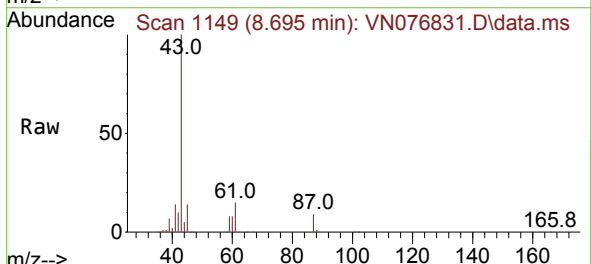
Instrument :
MSVOA_N
ClientSampleId :
PB151081ZHE#03

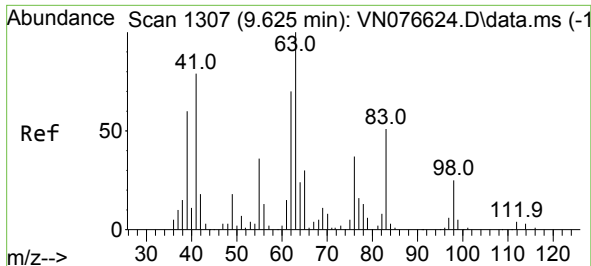
Tgt Ion: 62 Resp: 1289
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.2



#43
Isopropyl Acetate
Concen: 48.979 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

Tgt Ion: 43 Resp: 416319
Ion Ratio Lower Upper
43 100
61 11.6 20.0 30.0#
87 7.3 9.9 14.9#

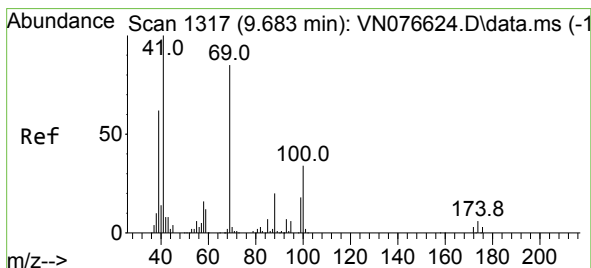
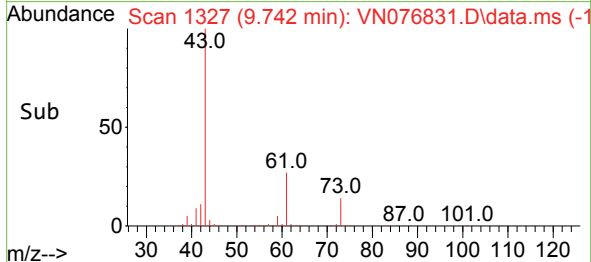
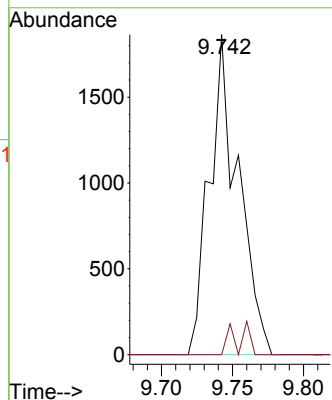
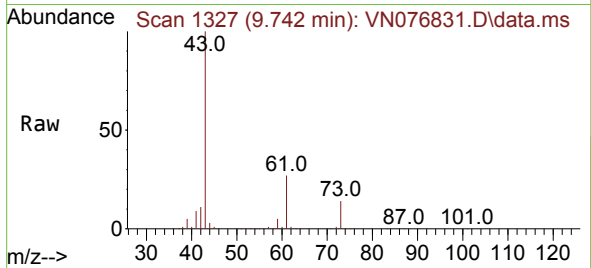




#45
1,2-Dichloropropane
Concen: 0.653 ug/l
RT: 9.742 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

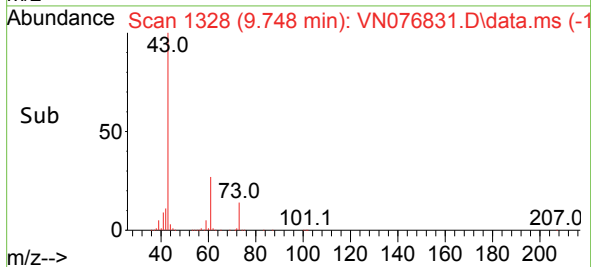
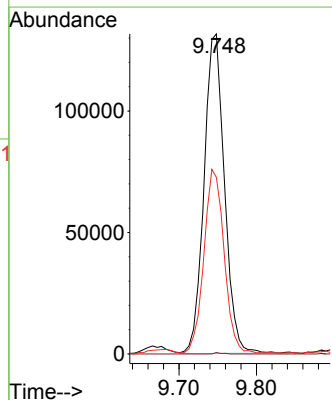
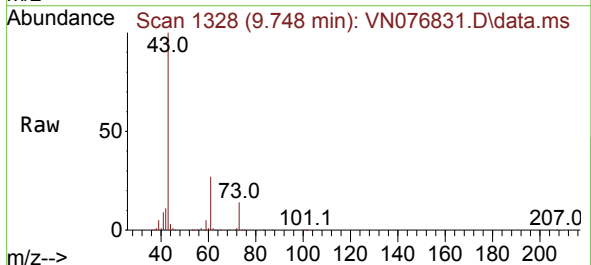
Instrument :
MSVOA_N
ClientSampleId :
PB151081ZHE#03

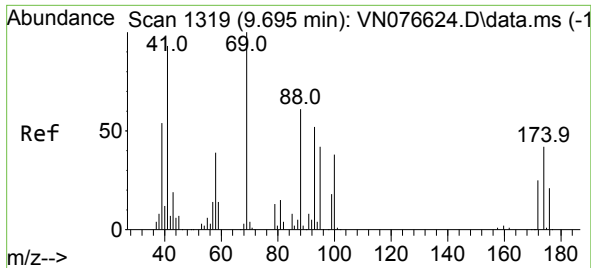
Tgt Ion: 63 Resp: 2636
Ion Ratio Lower Upper
63 100
65 0.0 24.2 36.2#



#48
Methyl methacrylate
Concen: 59.665 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

Tgt Ion: 41 Resp: 240654
Ion Ratio Lower Upper
41 100
69 0.2 65.4 98.0#
39 56.9 49.3 73.9





#49

1,4-Dioxane

Concen: 0.788 ug/l

RT: 9.684 min Scan# 11

Delta R.T. -0.011 min

Lab File: VN076831.D

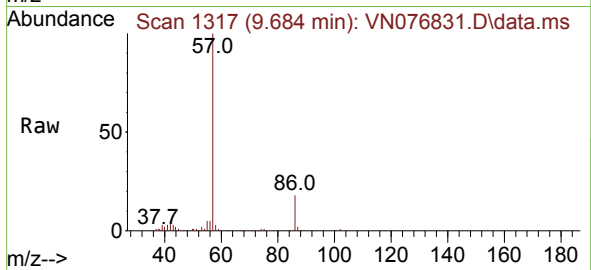
Acq: 28 Feb 2023 16:33

Instrument :

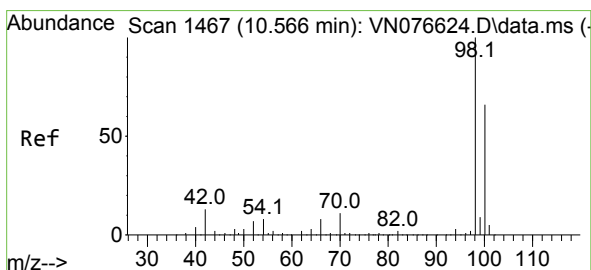
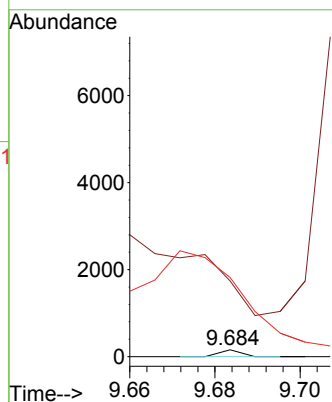
MSVOA_N

ClientSampleId :

PB151081ZHE#03



Tgt Ion:	88	Resp:	55
Ion Ratio	Lower	Upper	
88	100		
43	0.0	22.6	33.8#
58	9200.0	57.6	86.4#



#50

Toluene-d8

Concen: 51.071 ug/l

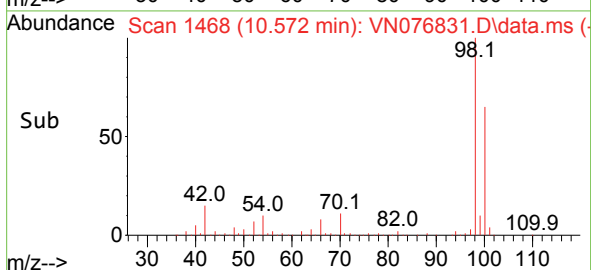
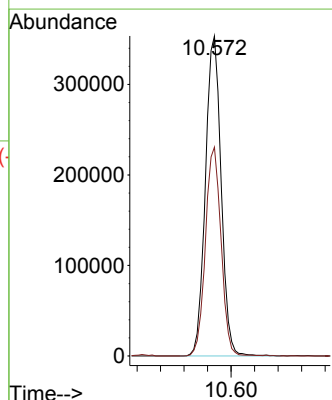
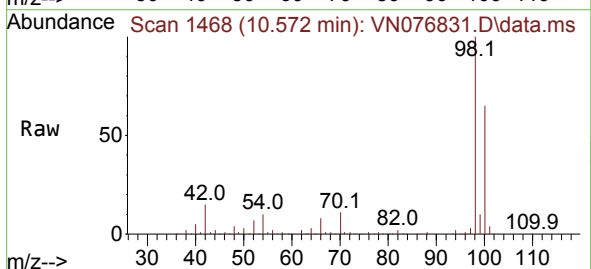
RT: 10.572 min Scan# 1468

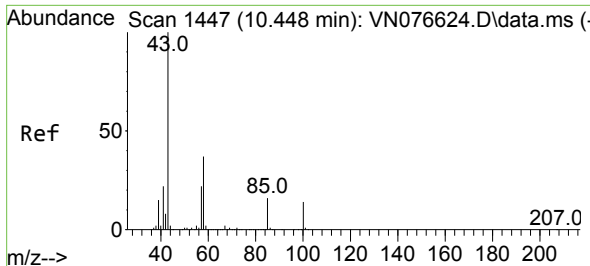
Delta R.T. 0.006 min

Lab File: VN076831.D

Acq: 28 Feb 2023 16:33

Tgt Ion:	98	Resp:	655378
Ion Ratio	Lower	Upper	
98	100		
100	64.9	52.9	79.3

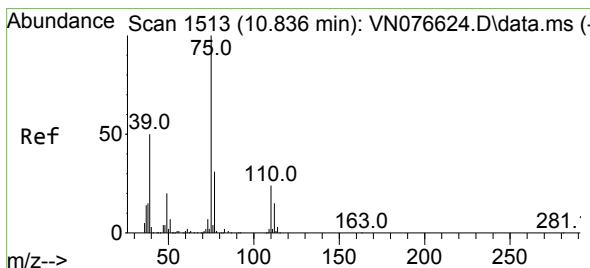
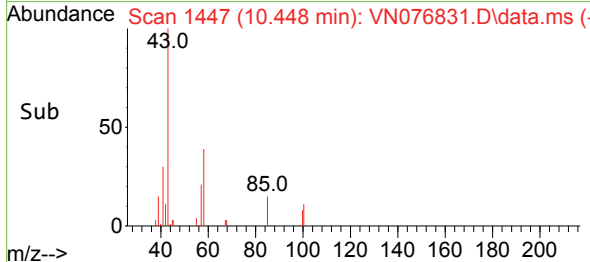
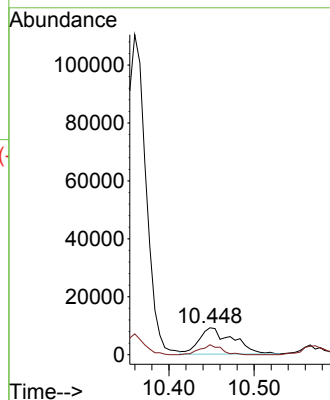
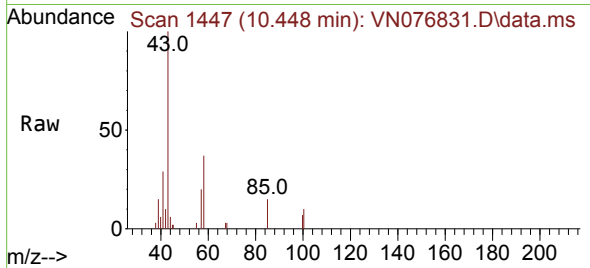




#51
4-Methyl-2-Pentanone
Concen: 4.627 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

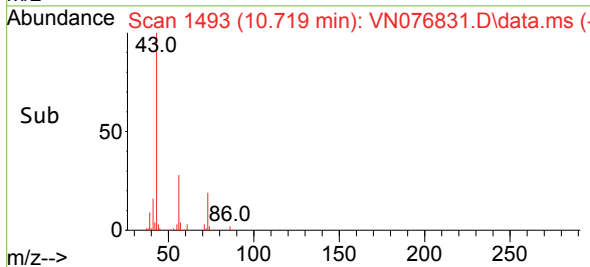
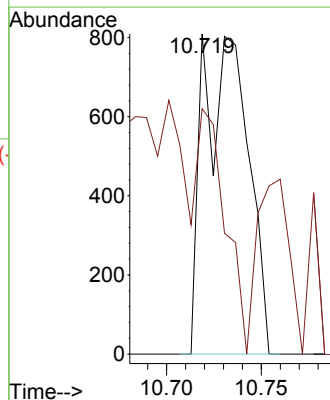
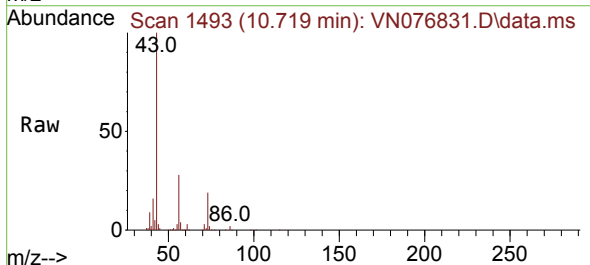
Instrument :
MSVOA_N
ClientSampleId :
PB151081ZHE#03

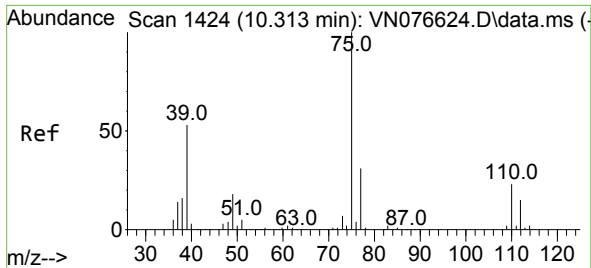
Tgt Ion: 43 Resp: 25021
Ion Ratio Lower Upper
43 100
58 23.5 29.5 44.3#



#53
t-1,3-Dichloropropene
Concen: 0.264 ug/l
RT: 10.719 min Scan# 1493
Delta R.T. -0.117 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

Tgt Ion: 75 Resp: 1318
Ion Ratio Lower Upper
75 100
77 22.0 24.6 37.0#

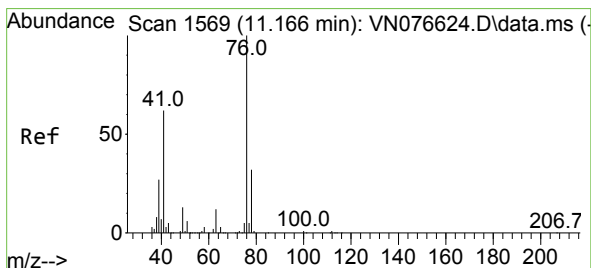
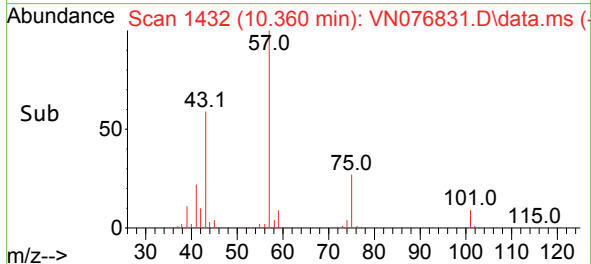
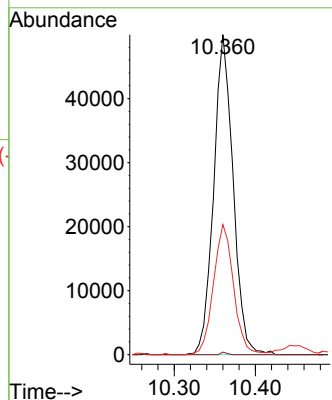
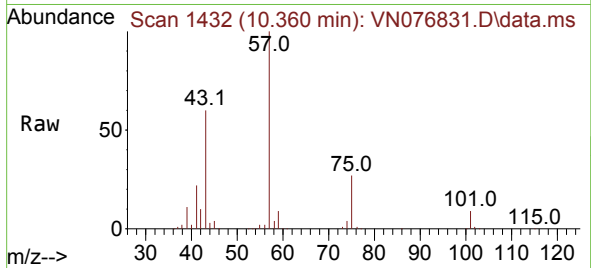




#54
 cis-1,3-Dichloropropene
 Concen: 14.414 ug/l
 RT: 10.360 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076831.D
 Acq: 28 Feb 2023 16:33

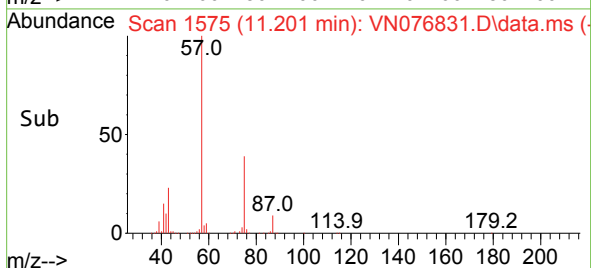
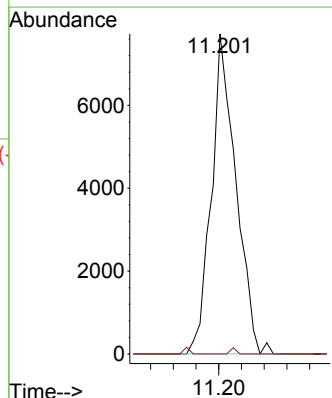
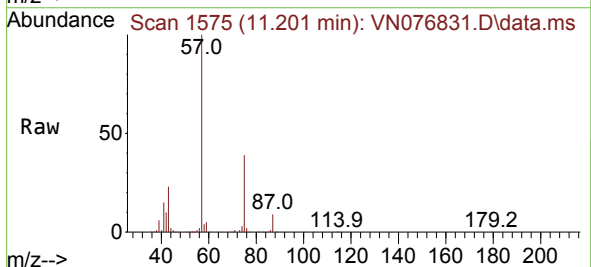
Instrument :
 MSVOA_N
 ClientSampleId :
 PB151081ZHE#03

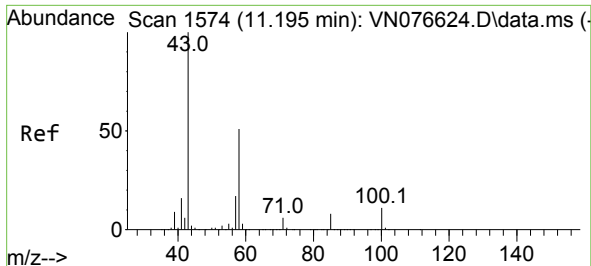
Tgt Ion: 75 Resp: 83016
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.1 37.7#
 39 40.7 42.3 63.5#



#57
 1,3-Dichloropropane
 Concen: 1.800 ug/l
 RT: 11.201 min Scan# 1575
 Delta R.T. 0.035 min
 Lab File: VN076831.D
 Acq: 28 Feb 2023 16:33

Tgt Ion: 76 Resp: 11573
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.1 39.1#

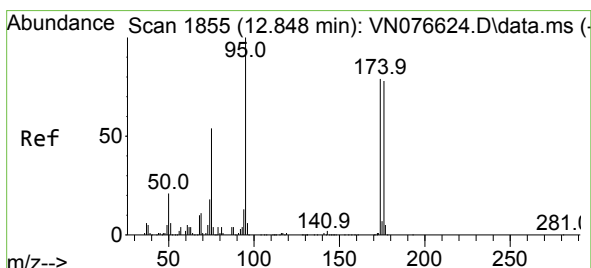
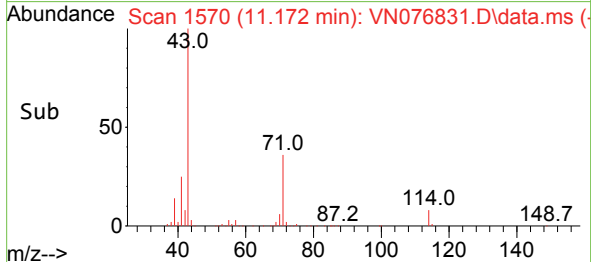
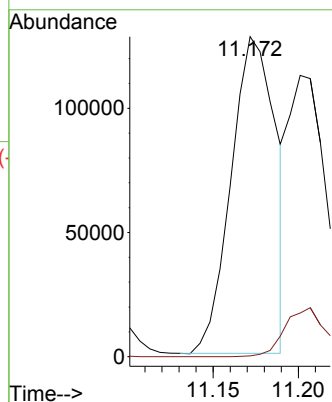
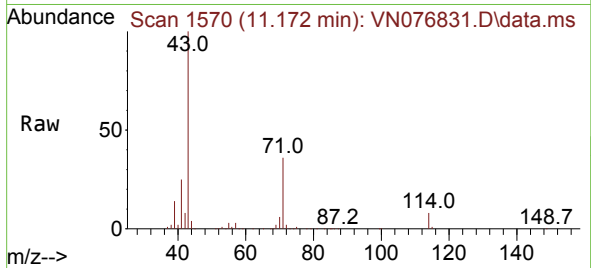




#59
2-Hexanone
Concen: 59.365 ug/l
RT: 11.172 min Scan# 11172
Delta R.T. -0.023 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

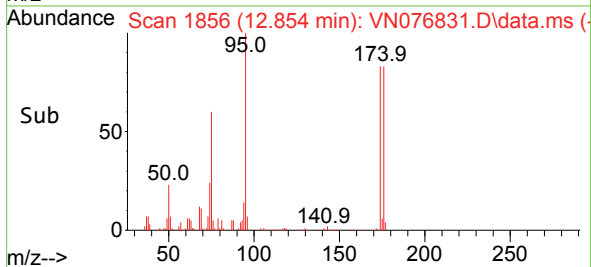
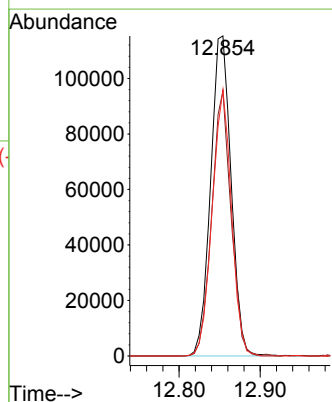
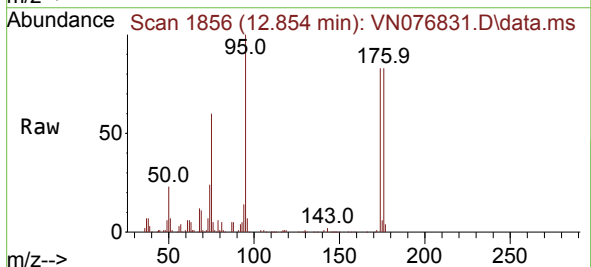
Instrument :
MSVOA_N
ClientSampleId :
PB151081ZHE#03

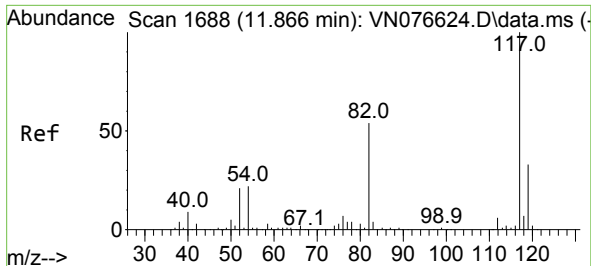
Tgt Ion: 43 Resp: 231485
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.0#



#62
4-Bromofluorobenzene
Concen: 47.511 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

Tgt Ion: 95 Resp: 201929
Ion Ratio Lower Upper
95 100
174 78.1 0.0 169.2
176 78.3 0.0 163.4

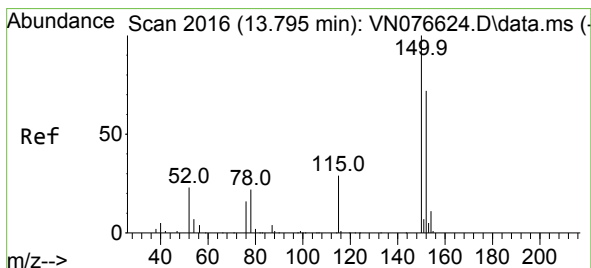
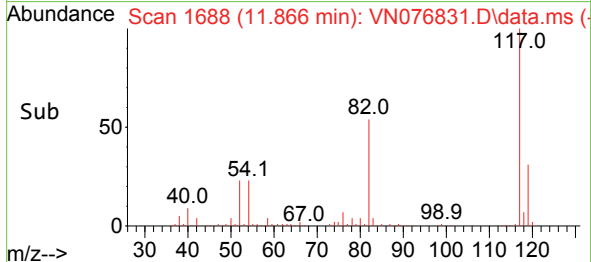
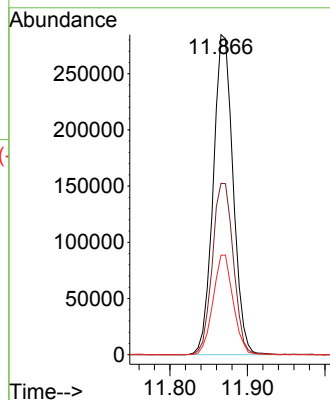
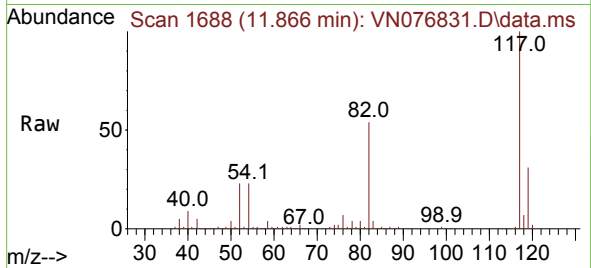




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

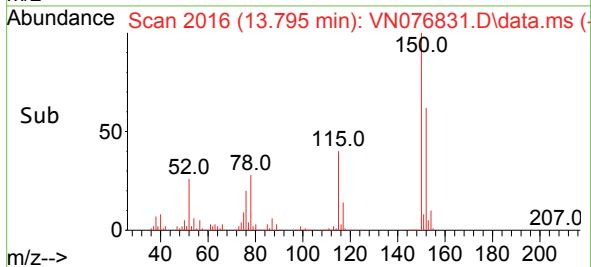
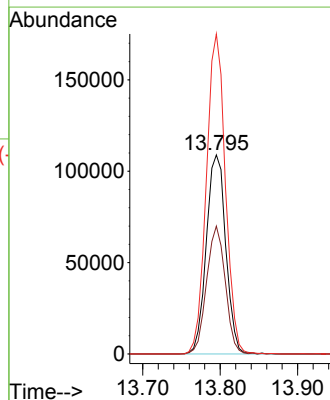
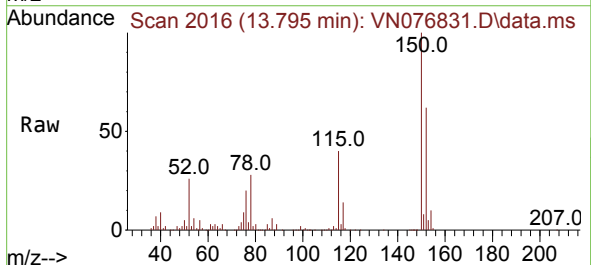
Instrument :
MSVOA_N
ClientSampleId :
PB151081ZHE#03

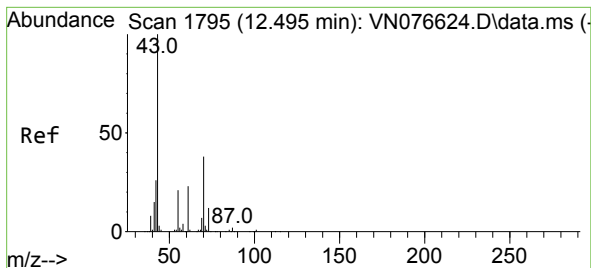
Tgt Ion:117 Resp: 507465
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.2
119 31.1 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN076831.D
Acq: 28 Feb 2023 16:33

Tgt Ion:152 Resp: 190169
Ion Ratio Lower Upper
152 100
115 61.6 29.3 87.9
150 156.5 0.0 349.8





#74

N-amy1 acetate

Concen: 0.326 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN076831.D

Acq: 28 Feb 2023 16:33

Instrument :

MSVOA_N

ClientSampleId :

PB151081ZHE#03

Tgt Ion: 43 Resp: 2051

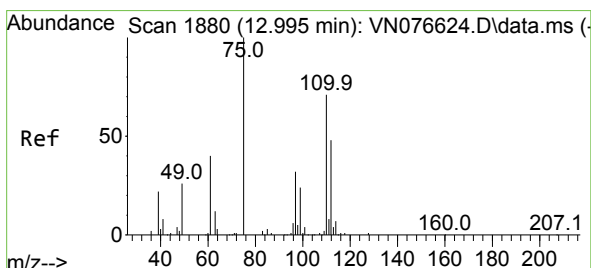
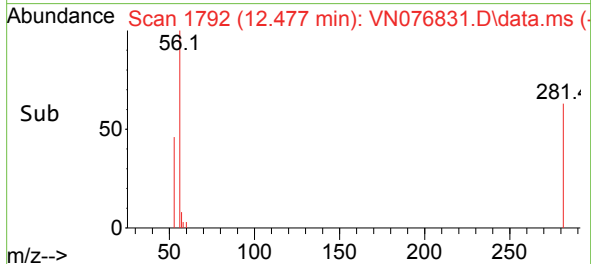
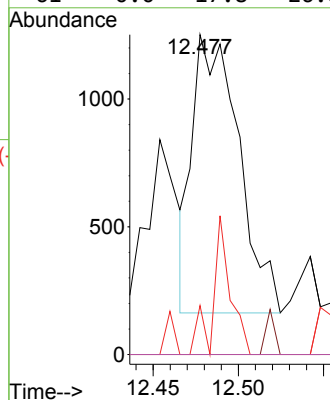
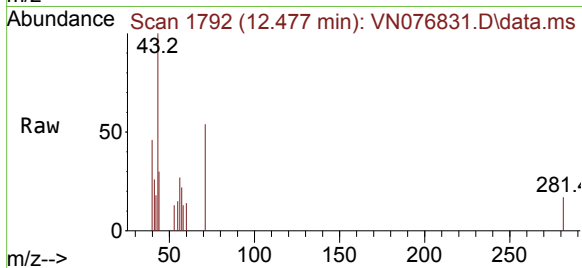
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 19.0 17.8 26.8

61 0.0 17.8 26.8#



#76

1,2,3-Trichloropropane

Concen: 30.122 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN076831.D

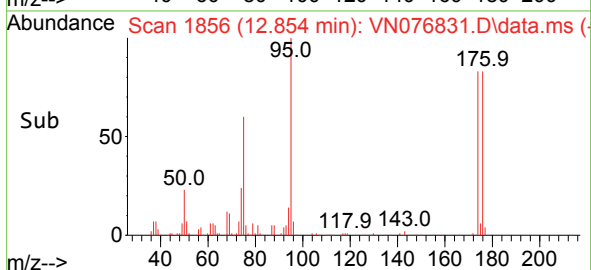
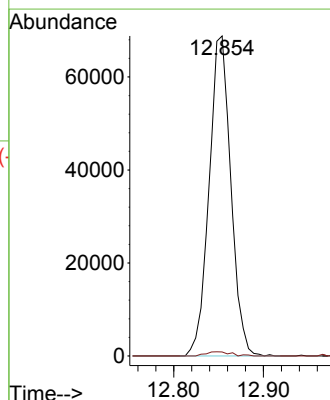
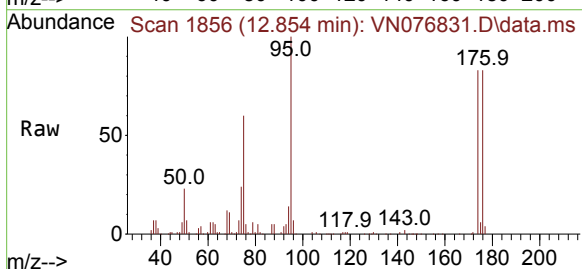
Acq: 28 Feb 2023 16:33

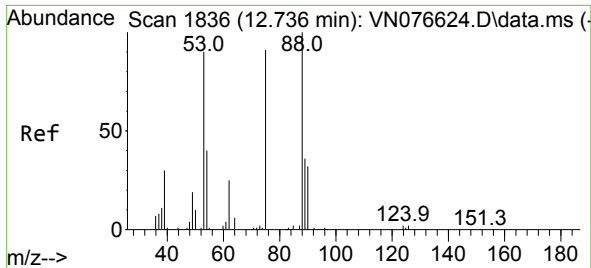
Tgt Ion: 75 Resp: 115809

Ion Ratio Lower Upper

75 100

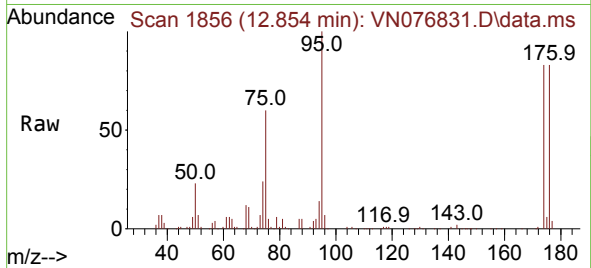
77 1.5 93.1 279.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.732 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN076831.D
 Acq: 28 Feb 2023 16:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151081ZHE#03



Tgt Ion: 75 Resp: 115809
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.1 138.1#
 89 0.1 37.5 56.3#

