

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076716.D
 Acq On : 16 Feb 2023 17:04
 Operator : JC\MD
 Sample : 01538-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 00:15:12 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

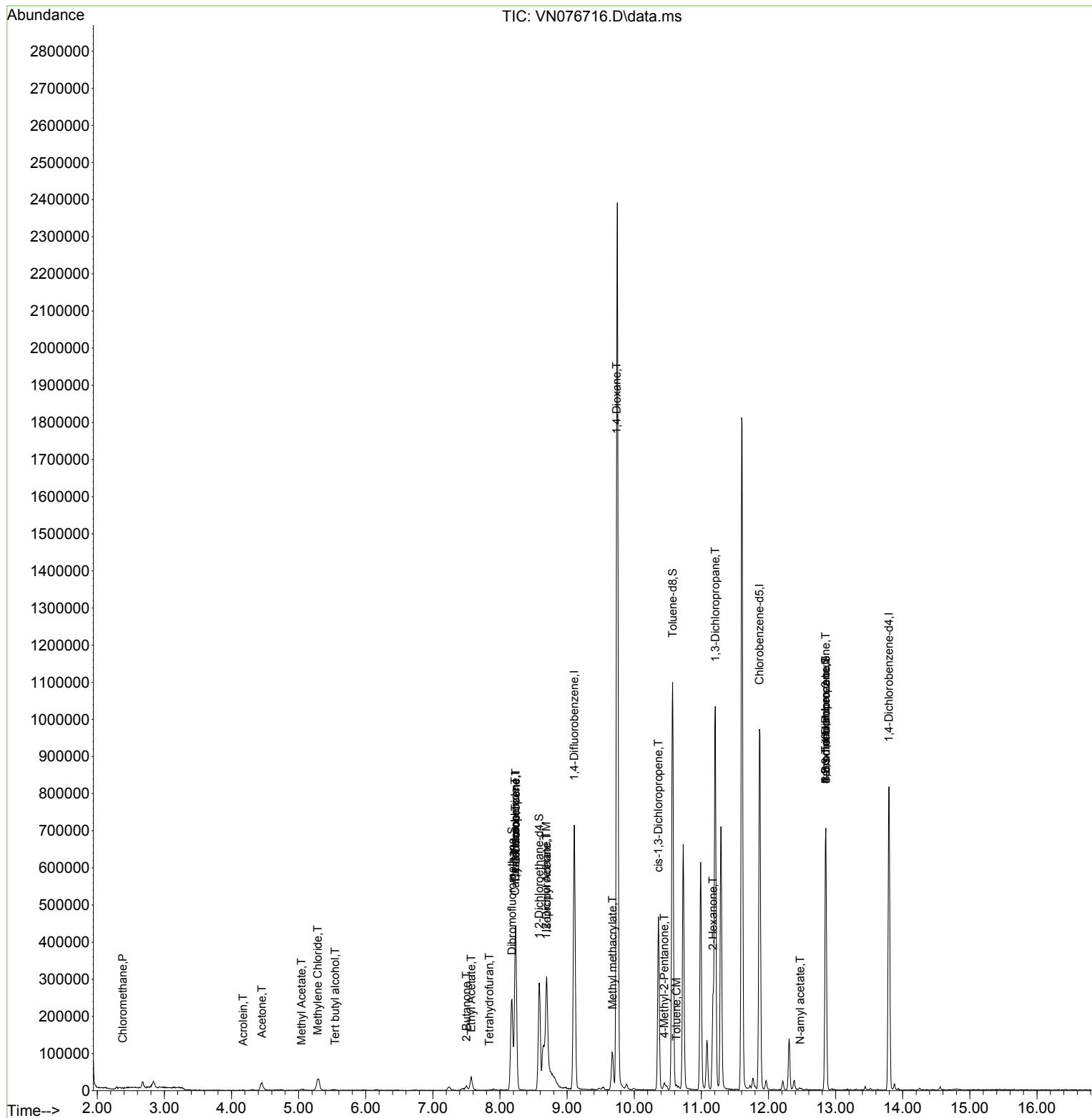
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	318095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	590684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	567141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	216705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	224856	51.192	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.380%	
35) Dibromofluoromethane	8.178	113	173293	44.798	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 89.600%	
50) Toluene-d8	10.572	98	747181	51.721	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.440%	
62) 4-Bromofluorobenzene	12.854	95	234525	49.016	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.040%	
Target Compounds						Qvalue
3) Chloromethane	2.378	50	898	0.204	ug/l	# 44
11) Tert butyl alcohol	5.542	59	900	1.552	ug/l	# 76
13) Acrolein	4.172	56	214	0.246	ug/l	# 47
16) Acetone	4.454	43	38547	19.646	ug/l	97
18) Methyl Acetate	5.043	43	4361	0.681	ug/l	95
20) Methylene Chloride	5.284	84	23694	5.762	ug/l	# 82
25) 2-Butanone	7.501	43	16379	5.659	ug/l	# 88
29) Tetrahydrofuran	7.842	42	705	0.373	ug/l	# 46
31) Cyclohexane	8.231	56	9507	1.380	ug/l	# 1
36) 1,1-Dichloropropene	8.236	75	28983	5.186	ug/l	# 50
37) Ethyl Acetate	7.572	43	52853	8.988	ug/l	98
38) Carbon Tetrachloride	8.225	117	32034	5.682	ug/l	# 17
42) 1,2-Dichloroethane	8.689	62	1771	0.296	ug/l	# 74
43) Isopropyl Acetate	8.695	43	554476	57.947	ug/l	# 72
48) Methyl methacrylate	9.678	41	7356	1.620	ug/l	# 47
49) 1,4-Dioxane	9.736	88	81	1.031	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.448	43	21928	3.602	ug/l	# 78
52) Toluene	10.630	92	4612	0.445	ug/l	84
54) cis-1,3-Dichloropropene	10.360	75	77011	11.878	ug/l	# 65
57) 1,3-Dichloropropane	11.207	76	10453	1.444	ug/l	# 42
59) 2-Hexanone	11.172	43	203313	46.316	ug/l	# 27
71) Bromoform	12.854	173	2884	0.901	ug/l	# 1
74) N-amyl acetate	12.471	43	5968	0.834	ug/l	# 48
76) 1,2,3-Trichloropropane	12.854	75	128702	29.376	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.854	75	128702	85.560	ug/l	# 4

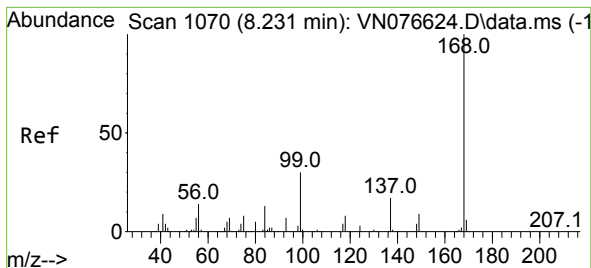
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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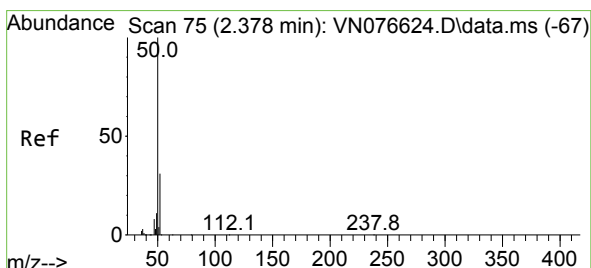
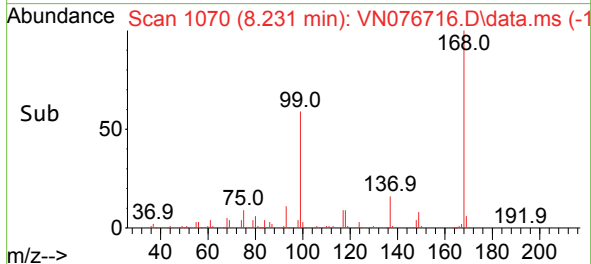
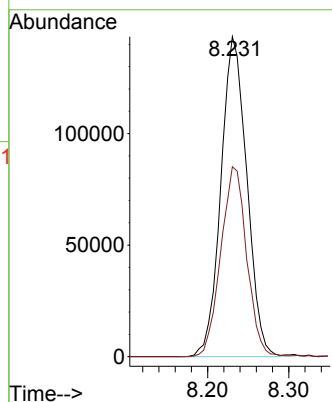
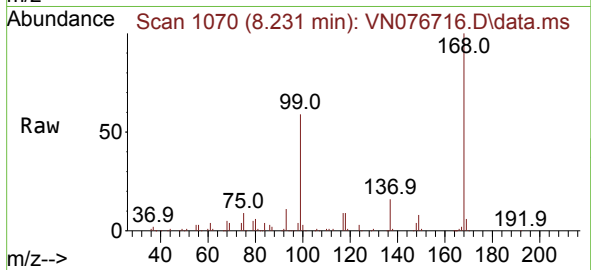




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

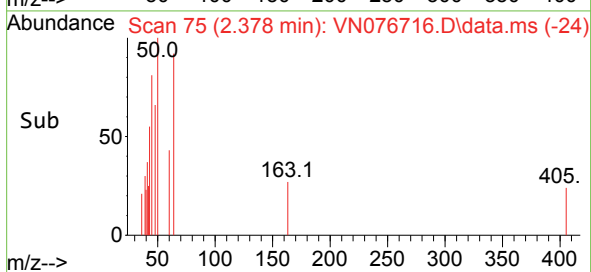
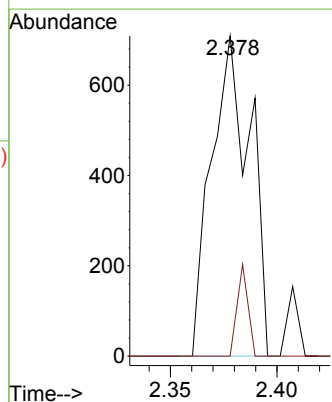
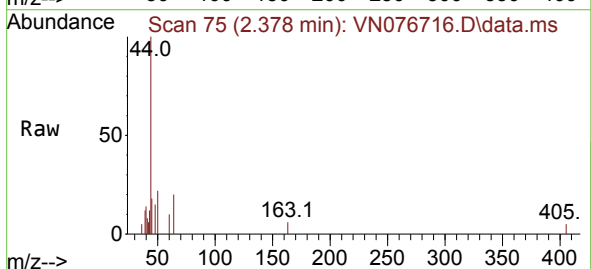
Instrument :
MSVOA_N
ClientSampleId :

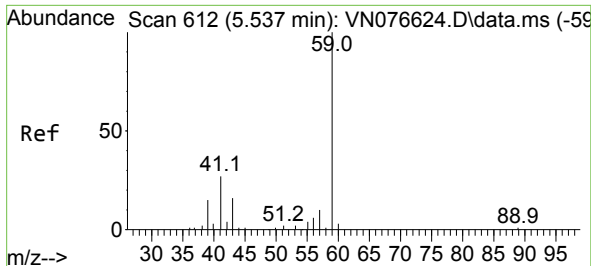
Tgt Ion:168 Resp: 318095
Ion Ratio Lower Upper
168 100
99 59.3 44.8 67.2



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.378 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

Tgt Ion: 50 Resp: 898
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#





#11

Tert butyl alcohol

Concen: 1.552 ug/l

RT: 5.542 min Scan# 61

Delta R.T. 0.005 min

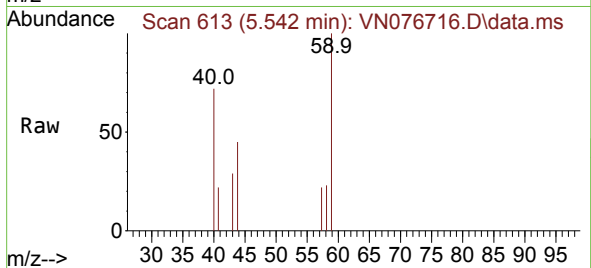
Lab File: VN076716.D

Acq: 16 Feb 2023 17:04

Instrument :

MSVOA_N

ClientSampleId :

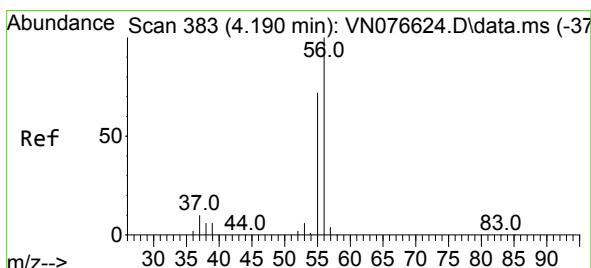
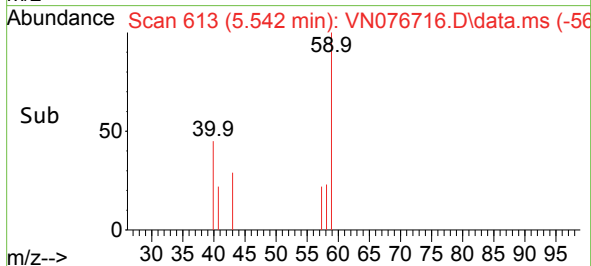
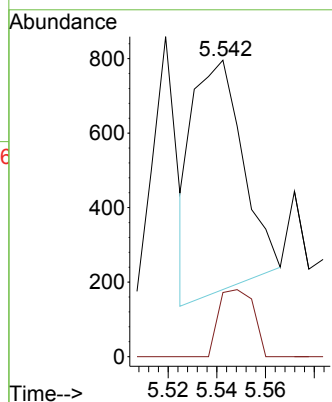


Tgt Ion: 59 Resp: 900

Ion Ratio Lower Upper

59 100

57 19.9 8.7 13.1#



#13

Acrolein

Concen: 0.246 ug/l

RT: 4.172 min Scan# 380

Delta R.T. -0.018 min

Lab File: VN076716.D

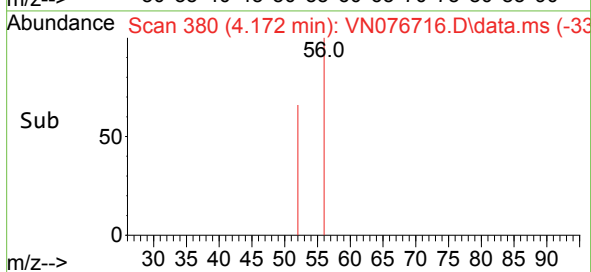
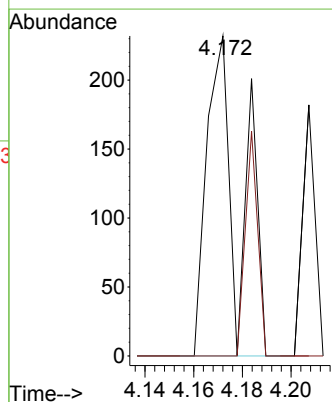
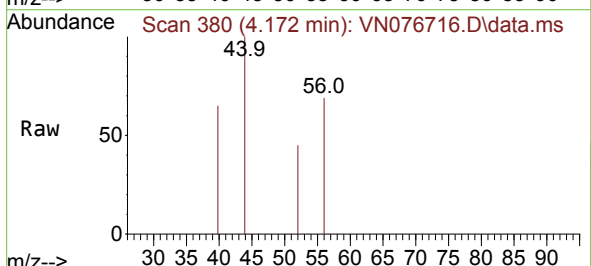
Acq: 16 Feb 2023 17:04

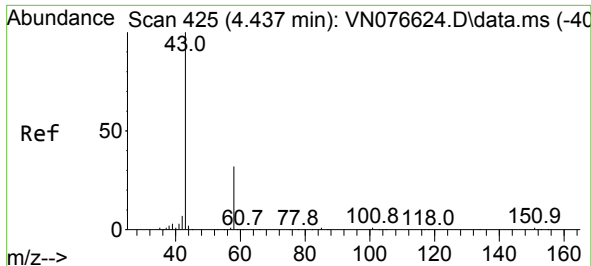
Tgt Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 26.6 56.3 84.5#

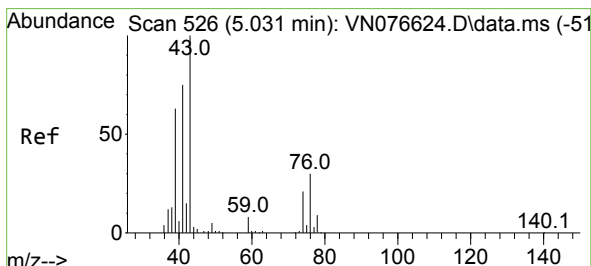
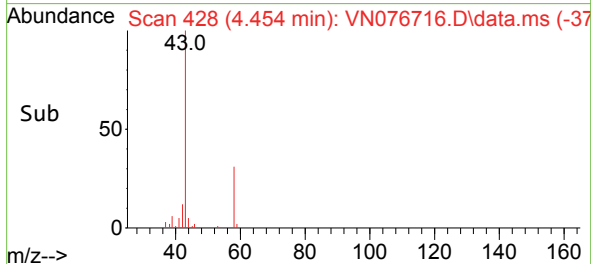
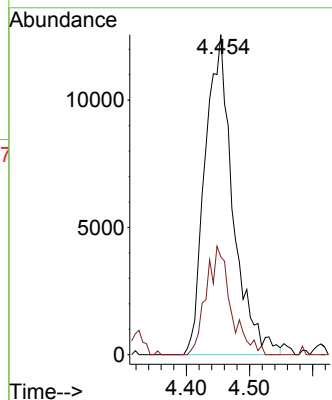
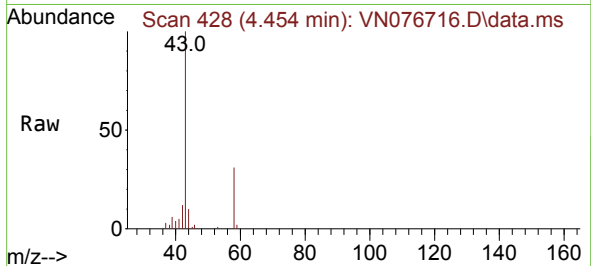




#16
Acetone
Concen: 19.646 ug/l
RT: 4.454 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

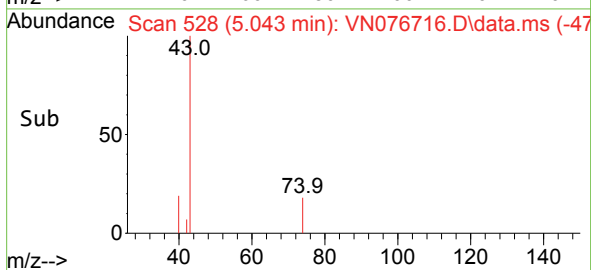
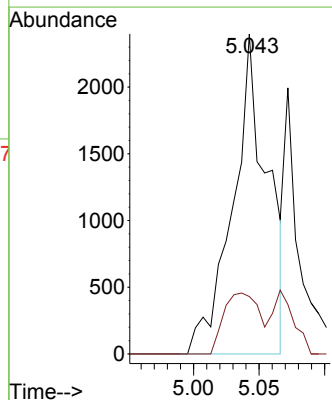
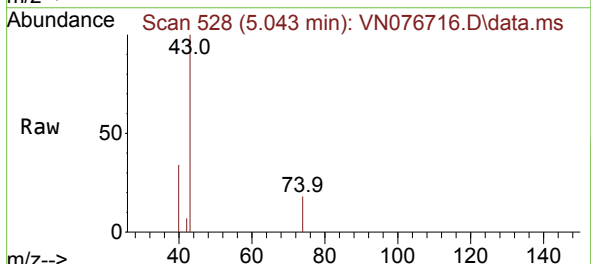
Instrument :
MSVOA_N
ClientSampleId :

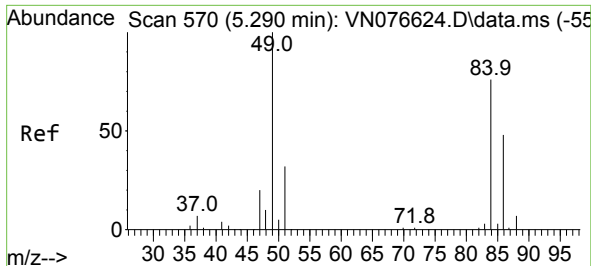
Tgt Ion: 43 Resp: 38547
Ion Ratio Lower Upper
43 100
58 30.5 25.9 38.9



#18
Methyl Acetate
Concen: 0.681 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.012 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

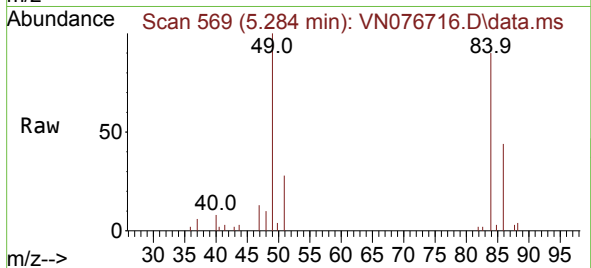
Tgt Ion: 43 Resp: 4361
Ion Ratio Lower Upper
43 100
74 19.7 17.7 26.5



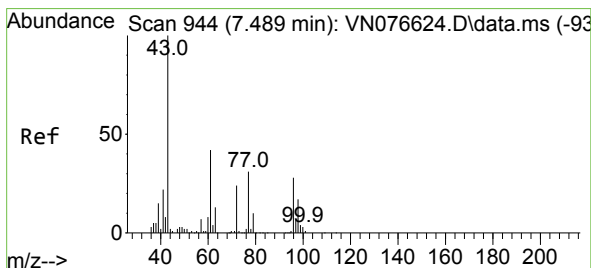
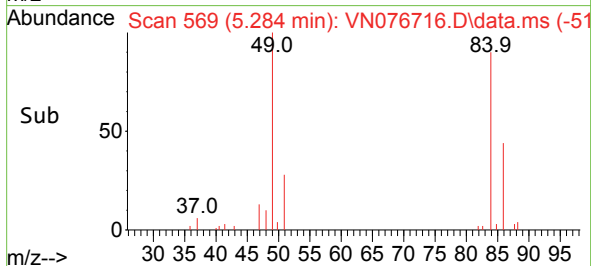
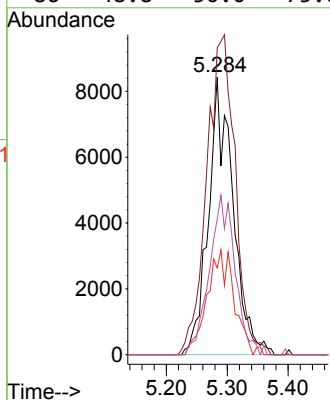


#20
Methylene Chloride
Concen: 5.762 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

Instrument :
MSVOA_N
ClientSampleId :

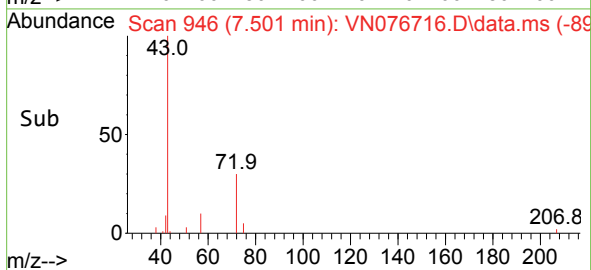
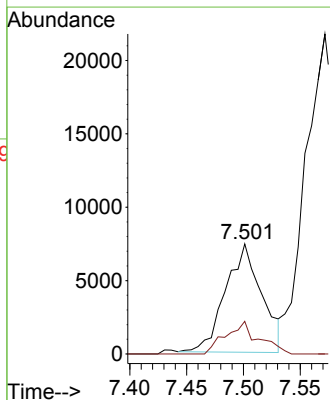
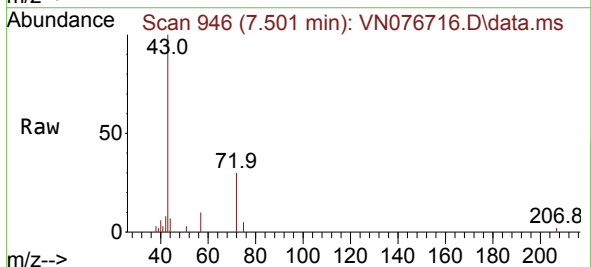


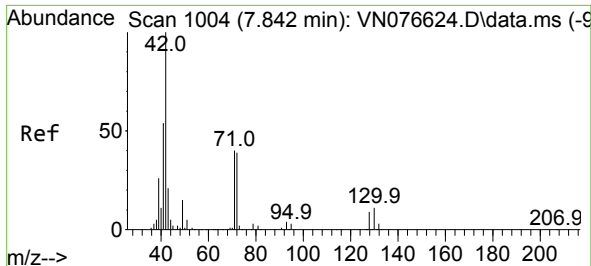
Tgt Ion:	84	Resp:	23694
Ion	Ratio	Lower	Upper
84	100		
49	110.7	104.9	157.3
51	31.2	33.8	50.8#
86	48.8	50.0	75.0#



#25
2-Butanone
Concen: 5.659 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

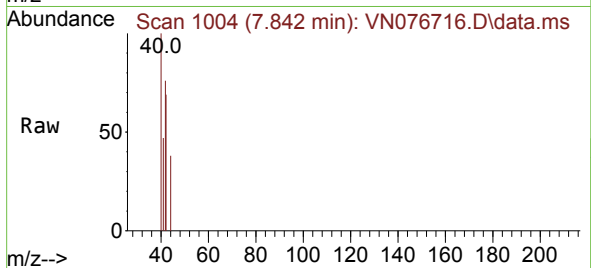
Tgt Ion:	43	Resp:	16379
Ion	Ratio	Lower	Upper
43	100		
72	30.3	19.4	29.2#



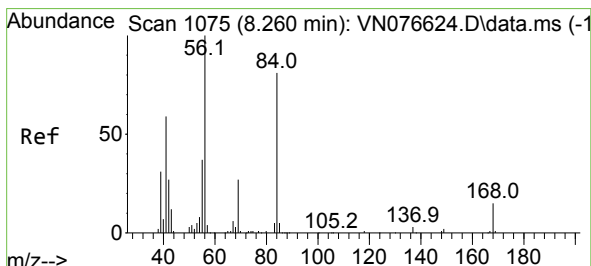
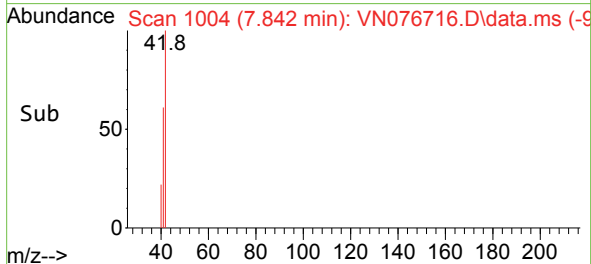
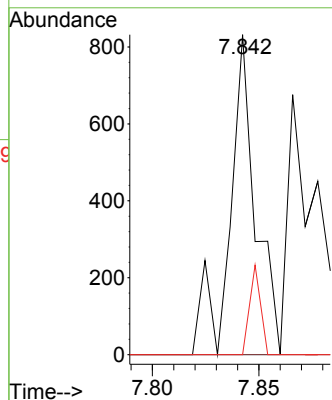


#29
Tetrahydrofuran
Concen: 0.373 ug/l
RT: 7.842 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

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ClientSampleId :

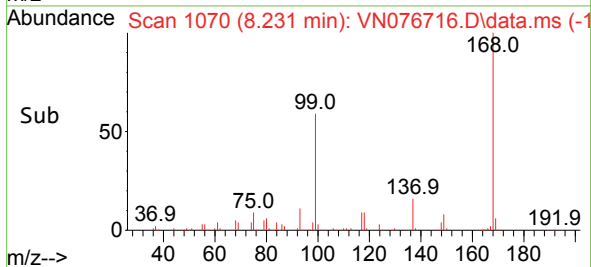
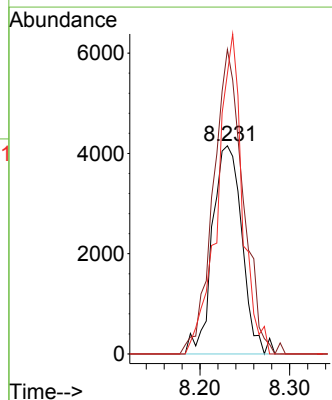
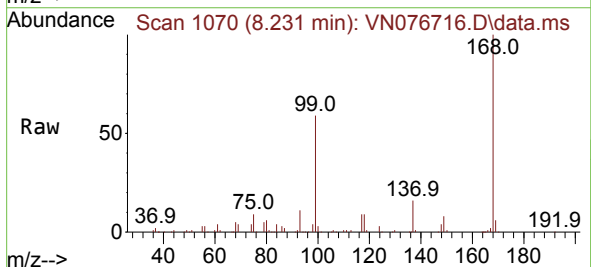


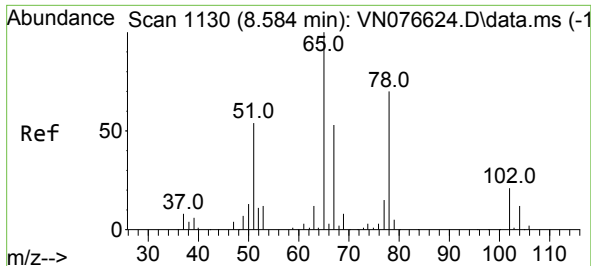
Tgt Ion: 42 Resp: 705
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 11.6 29.8 44.8#



#31
Cyclohexane
Concen: 1.380 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

Tgt Ion: 56 Resp: 9507
Ion Ratio Lower Upper
56 100
69 146.2 21.6 32.4#
84 134.7 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: 51.192 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN076716.D

Acq: 16 Feb 2023 17:04

Instrument :

MSVOA_N

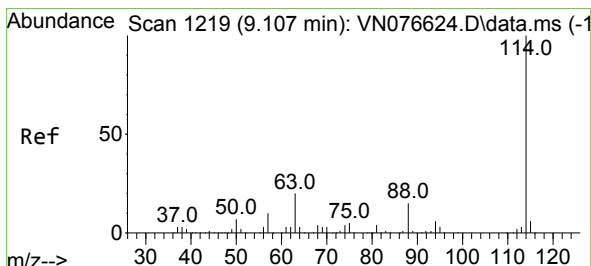
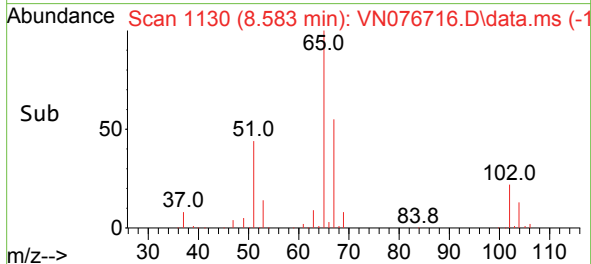
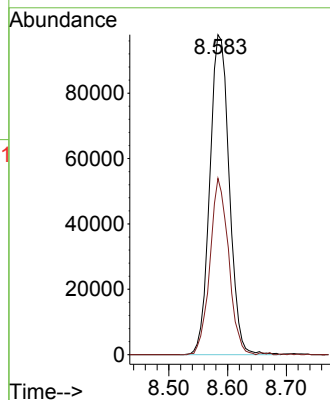
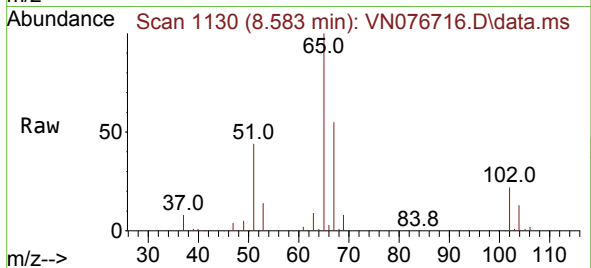
ClientSampleId :

Tgt Ion: 65 Resp: 224856

Ion Ratio Lower Upper

65 100

67 52.8 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: VN076716.D

Acq: 16 Feb 2023 17:04

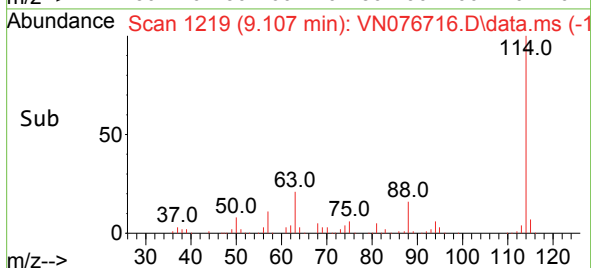
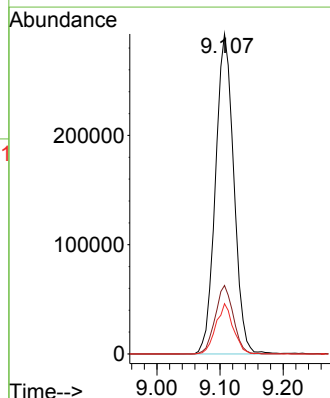
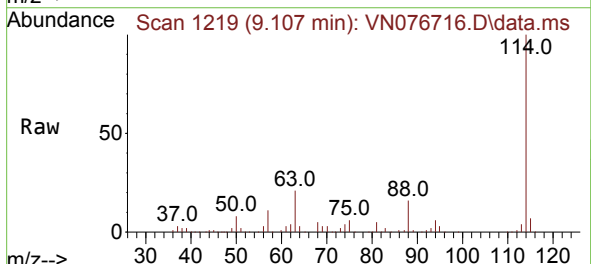
Tgt Ion: 114 Resp: 590684

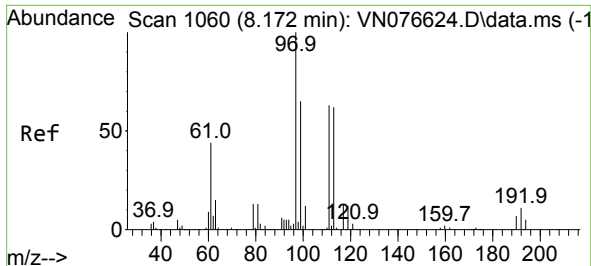
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.0

88 15.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 44.798 ug/l

RT: 8.178 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VN076716.D

Acq: 16 Feb 2023 17:04

Instrument :

MSVOA_N

ClientSampleId :

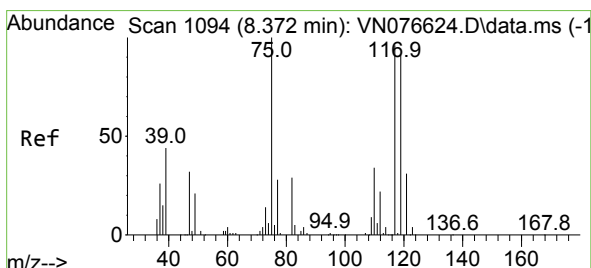
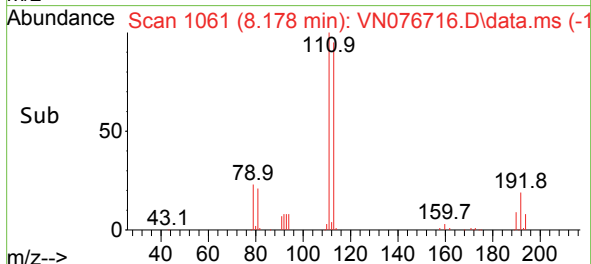
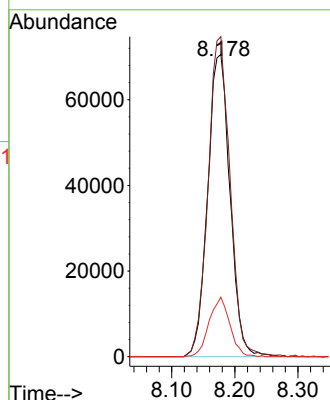
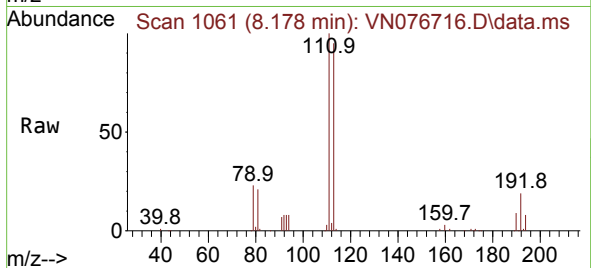
Tgt Ion:113 Resp: 173293

Ion Ratio Lower Upper

113 100

111 104.5 83.1 124.7

192 18.3 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.186 ug/l

RT: 8.236 min Scan# 1071

Delta R.T. -0.136 min

Lab File: VN076716.D

Acq: 16 Feb 2023 17:04

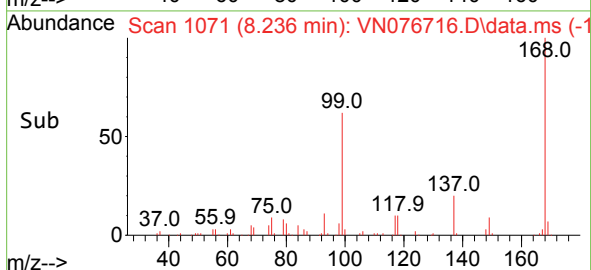
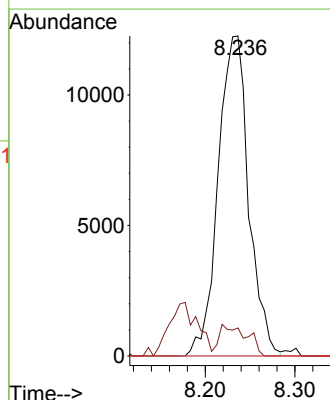
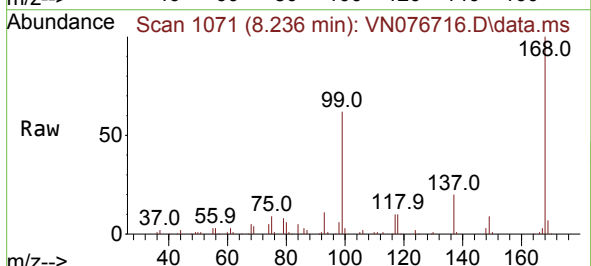
Tgt Ion: 75 Resp: 28983

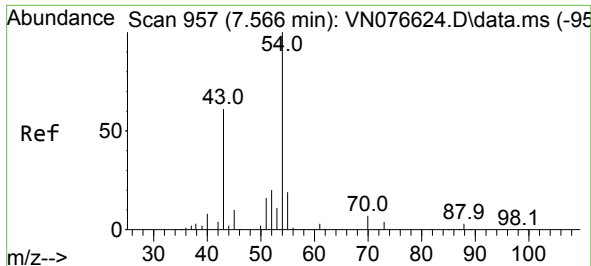
Ion Ratio Lower Upper

75 100

110 8.8 17.5 52.5#

77 0.0 24.5 36.7#

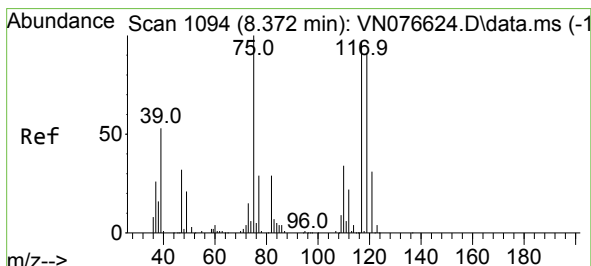
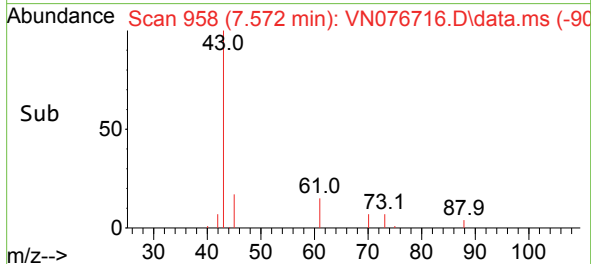
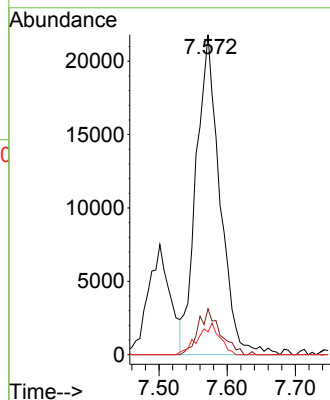
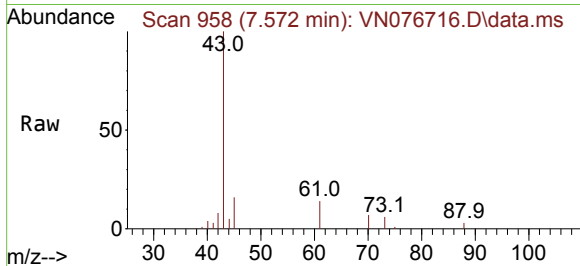




#37
Ethyl Acetate
Concen: 8.988 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

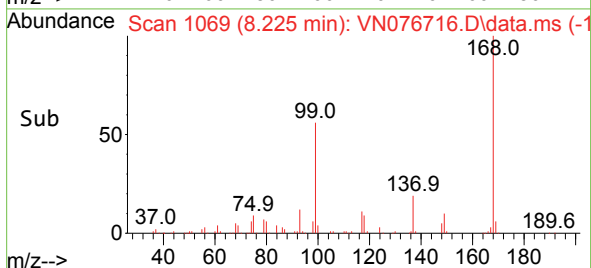
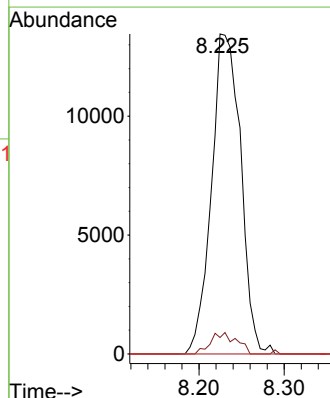
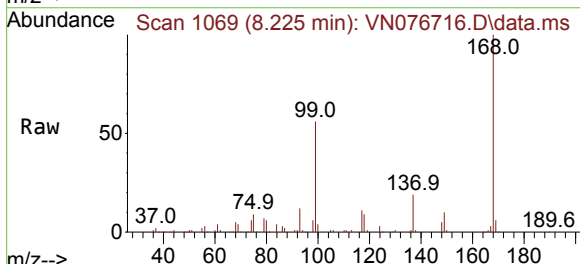
Instrument :
MSVOA_N
ClientSampleId :

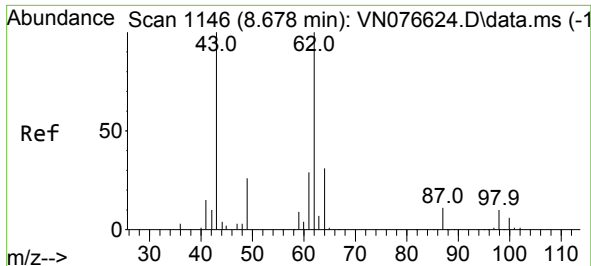
Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.2	9.9	14.9
70	9.0	7.8	11.6



#38
Carbon Tetrachloride
Concen: 5.682 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.147 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.4	113.0#
121	0.0	26.0	39.0#





#42

1,2-Dichloroethane

Concen: 0.296 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. 0.011 min

Lab File: VN076716.D

Acq: 16 Feb 2023 17:04

Instrument :

MSVOA_N

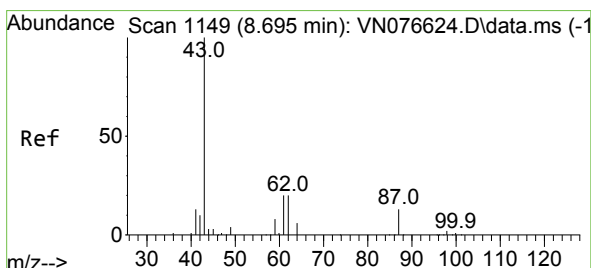
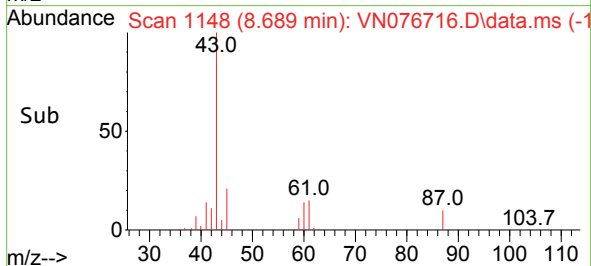
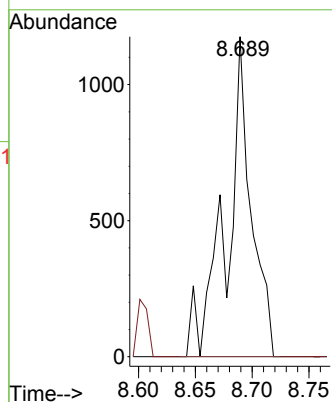
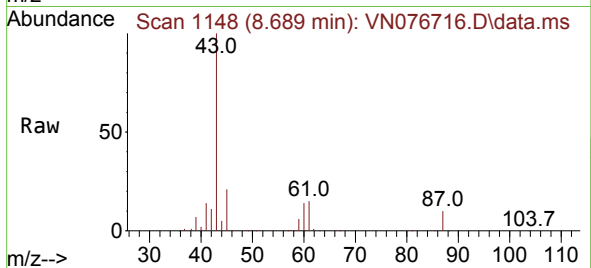
ClientSampleId :

Tgt Ion: 62 Resp: 1771

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.2



#43

Isopropyl Acetate

Concen: 57.947 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN076716.D

Acq: 16 Feb 2023 17:04

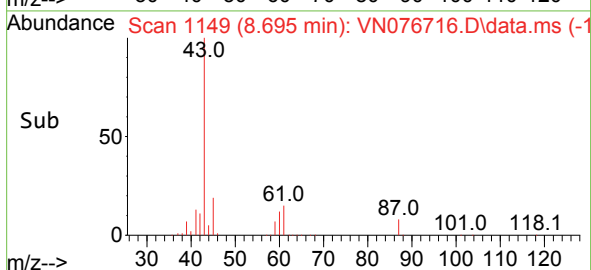
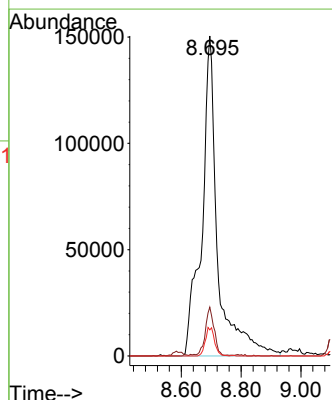
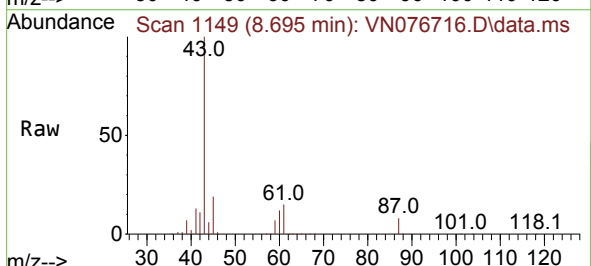
Tgt Ion: 43 Resp: 554476

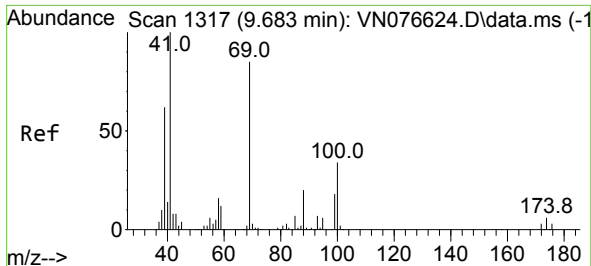
Ion Ratio Lower Upper

43 100

61 8.4 20.0 30.0#

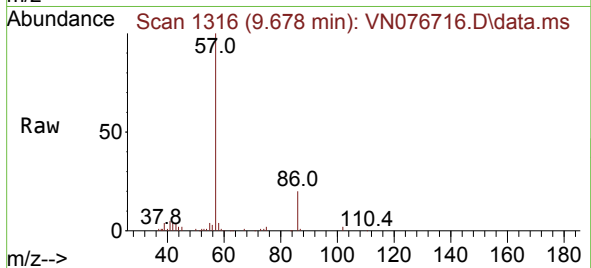
87 5.1 9.9 14.9#



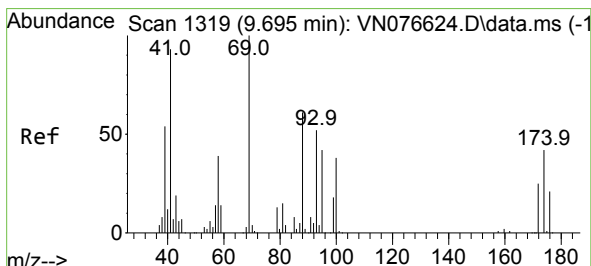
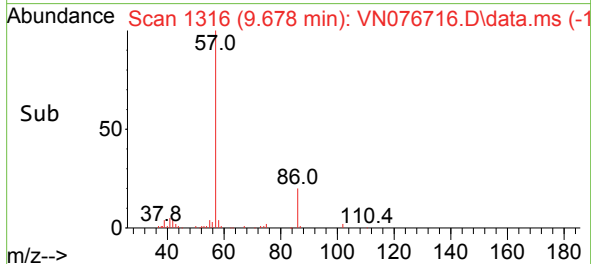
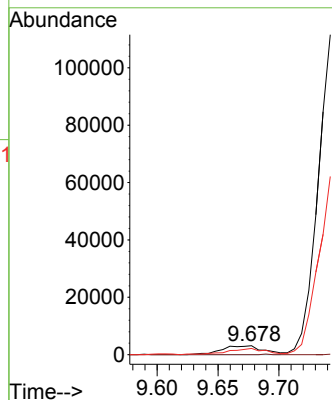


#48
Methyl methacrylate
Concen: 1.620 ug/l
RT: 9.678 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

Instrument :
MSVOA_N
ClientSampleId :

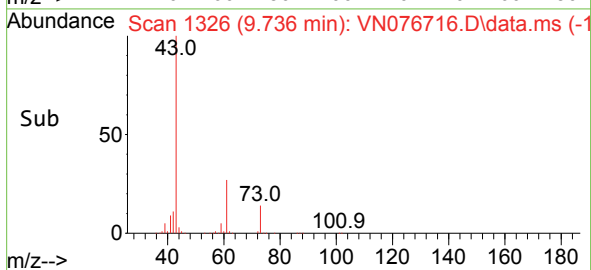
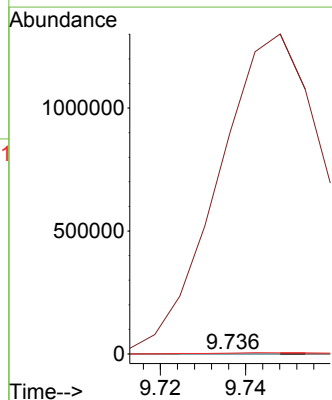
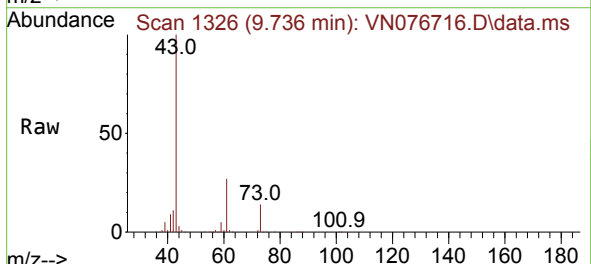


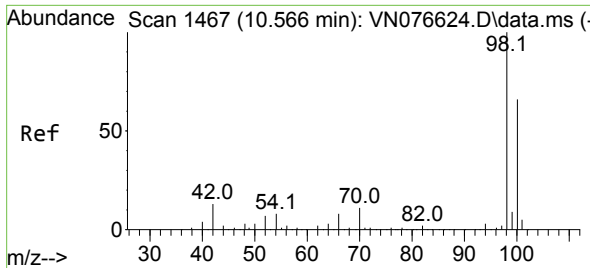
Tgt Ion: 41 Resp: 7356
Ion Ratio Lower Upper
41 100
69 1.1 65.4 98.0#
39 64.1 49.3 73.9



#49
1,4-Dioxane
Concen: 1.031 ug/l
RT: 9.736 min Scan# 1326
Delta R.T. 0.041 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 2918307.4 22.6 33.8#
58 13175.3 57.6 86.4#

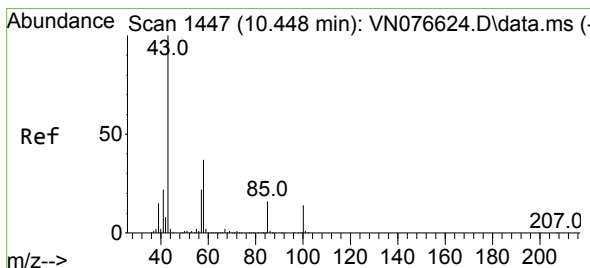
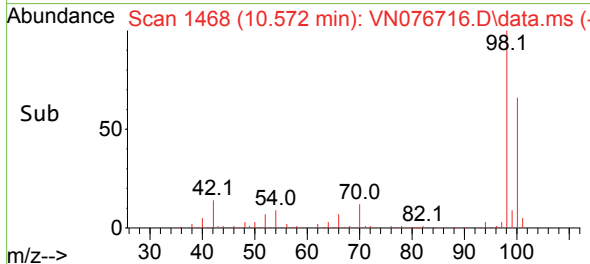
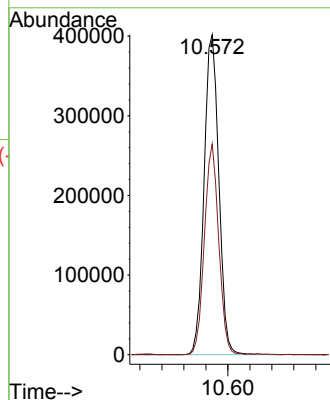
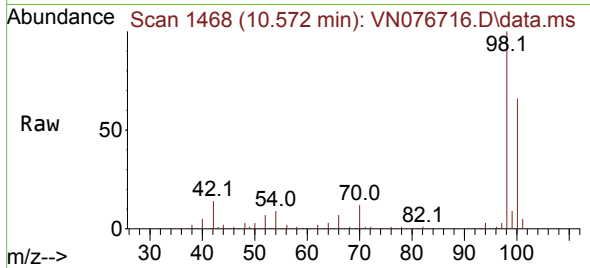




#50
Toluene-d8
Concen: 51.721 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

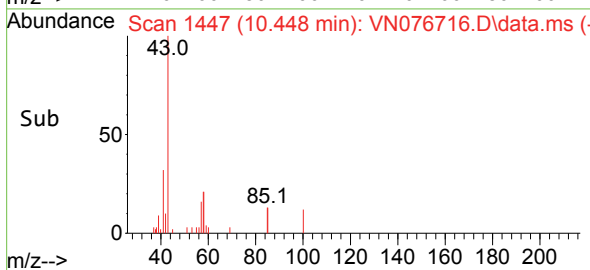
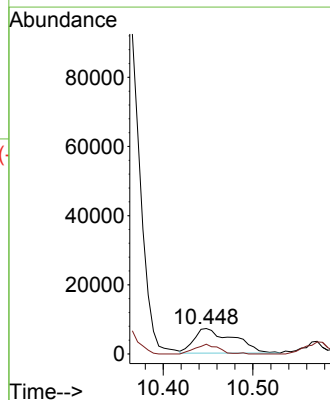
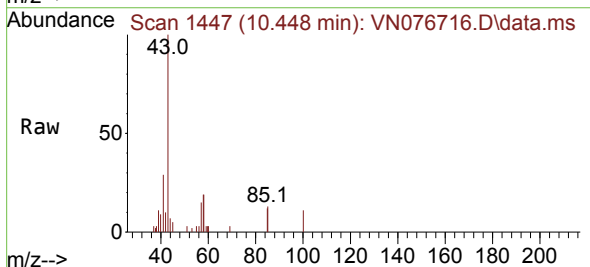
Instrument :
MSVOA_N
ClientSampleId :

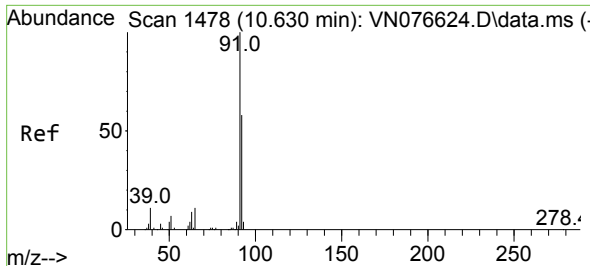
Tgt Ion: 98 Resp: 747181
Ion Ratio Lower Upper
98 100
100 64.1 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 3.602 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

Tgt Ion: 43 Resp: 21928
Ion Ratio Lower Upper
43 100
58 23.6 29.5 44.3#

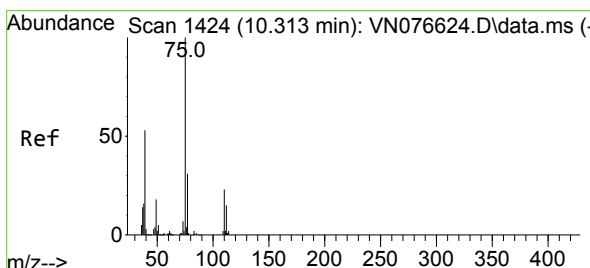
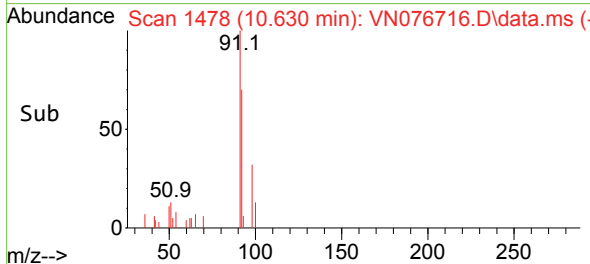
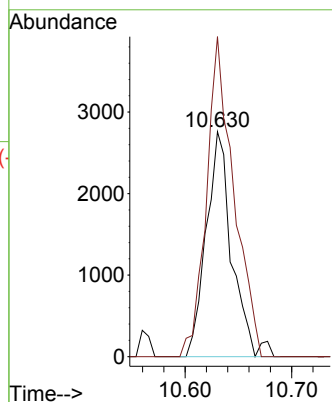
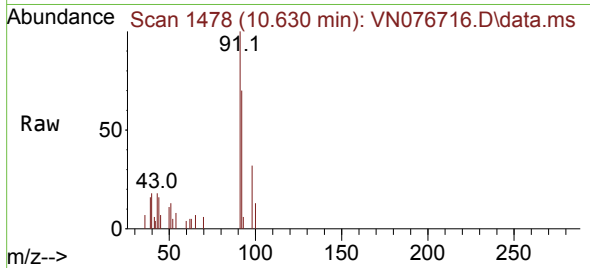




#52
Toluene
Concen: 0.445 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

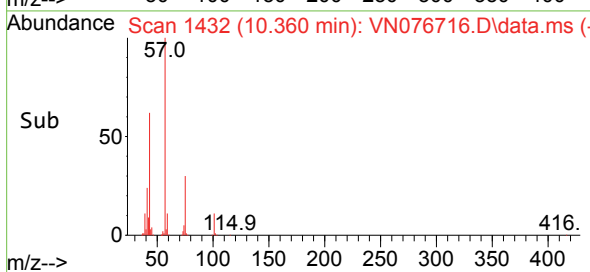
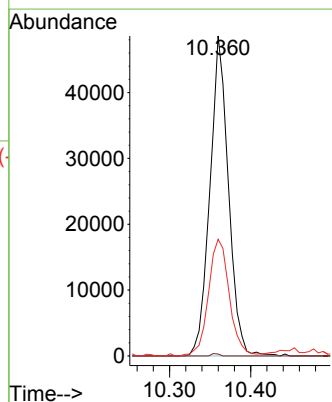
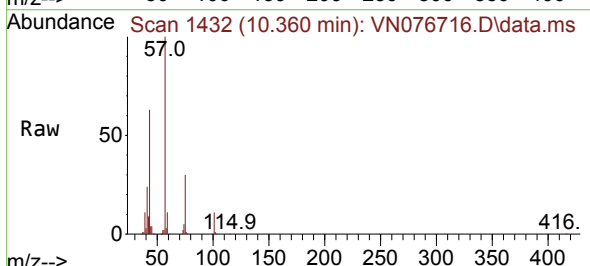
Instrument :
MSVOA_N
ClientSampleId :

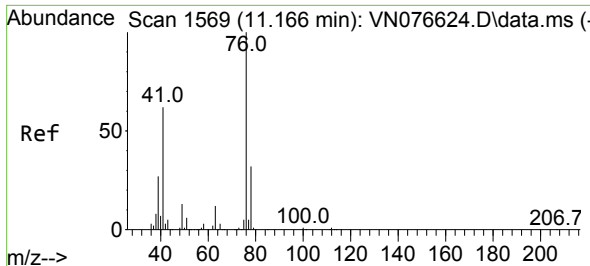
Tgt Ion: 92 Resp: 4612
Ion Ratio Lower Upper
92 100
91 151.1 138.0 207.0



#54
cis-1,3-Dichloropropene
Concen: 11.878 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

Tgt Ion: 75 Resp: 77011
Ion Ratio Lower Upper
75 100
77 0.6 25.1 37.7#
39 36.5 42.3 63.5#





#57

1,3-Dichloropropane

Concen: 1.444 ug/l

RT: 11.207 min Scan# 1576

Delta R.T. 0.041 min

Lab File: VN076716.D

Acq: 16 Feb 2023 17:04

Instrument :

MSVOA_N

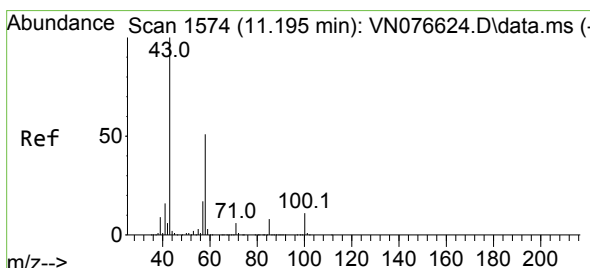
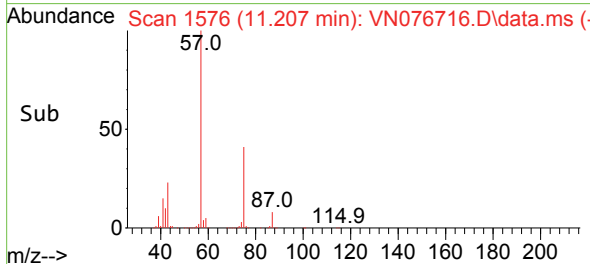
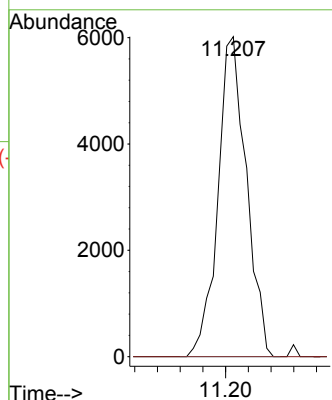
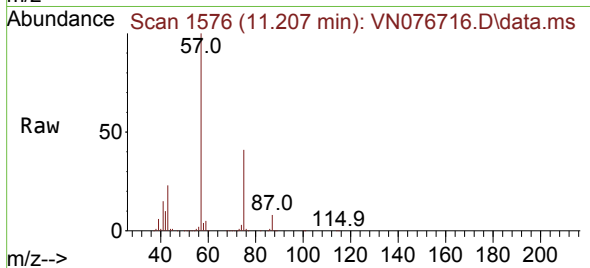
ClientSampleId :

Tgt Ion: 76 Resp: 10453

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 46.316 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.023 min

Lab File: VN076716.D

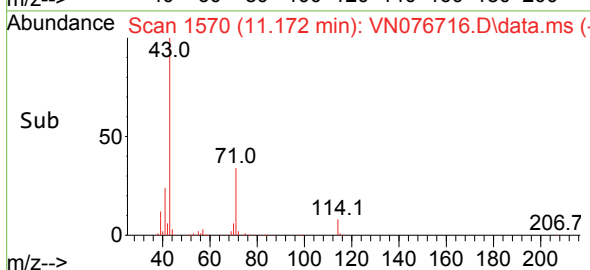
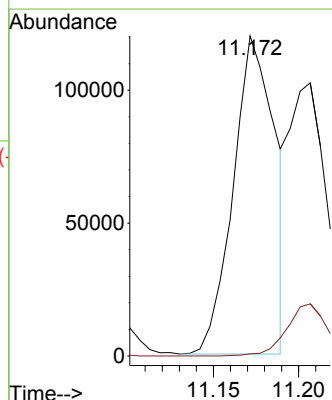
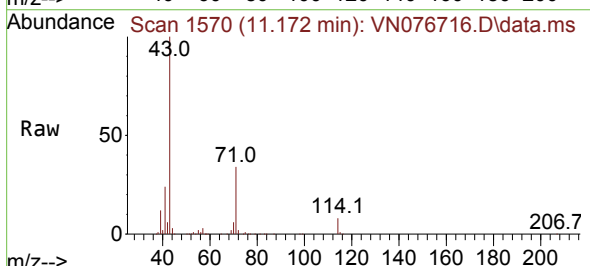
Acq: 16 Feb 2023 17:04

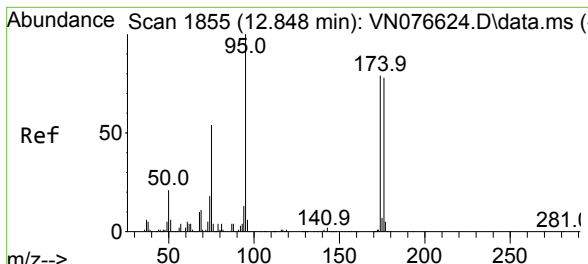
Tgt Ion: 43 Resp: 203313

Ion Ratio Lower Upper

43 100

58 0.0 25.4 76.0#

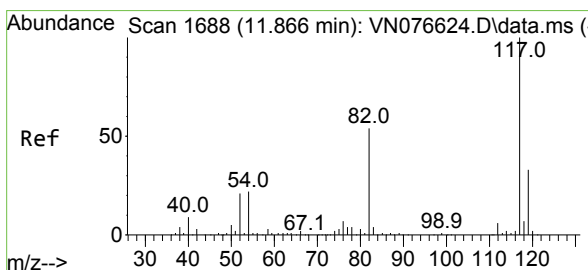
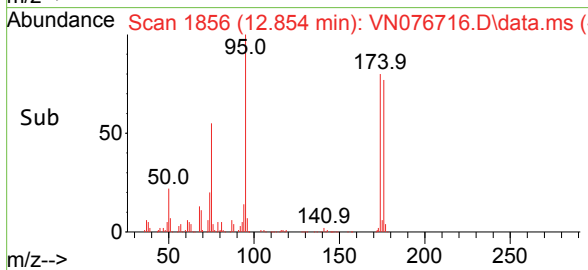
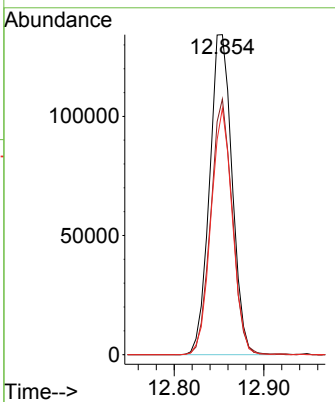
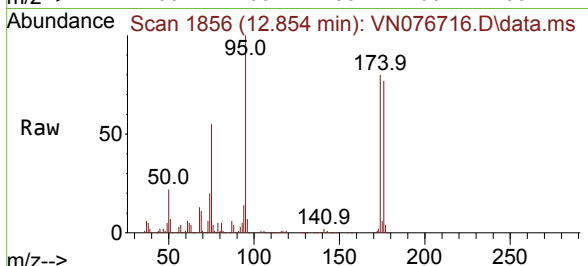




#62
 4-Bromofluorobenzene
 Concen: 49.016 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. 0.006 min
 Lab File: VN076716.D
 Acq: 16 Feb 2023 17:04

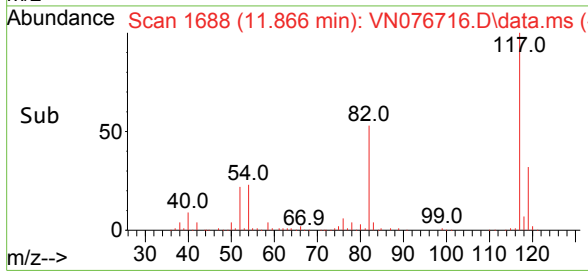
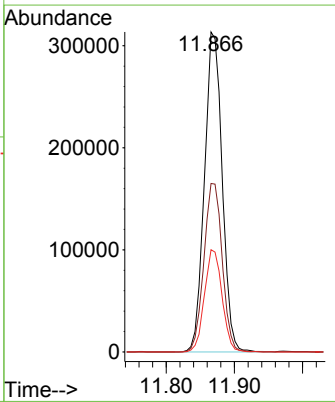
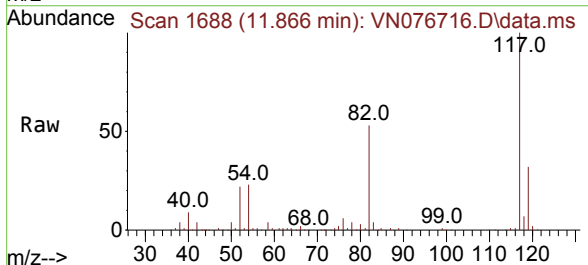
Instrument :
 MSVOA_N
 ClientSampleId :

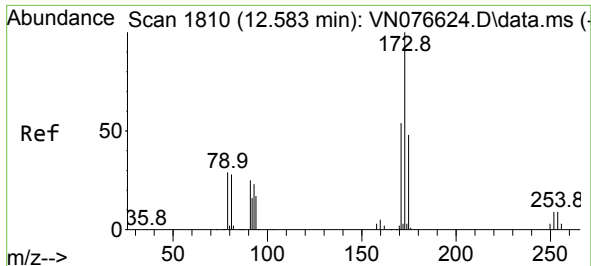
Tgt Ion:	95	Resp:	234525
Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	169.2
176	73.0	0.0	163.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.866 min Scan# 1688
 Delta R.T. -0.000 min
 Lab File: VN076716.D
 Acq: 16 Feb 2023 17:04

Tgt Ion:	117	Resp:	567141
Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.4	65.2
119	31.9	26.1	39.1

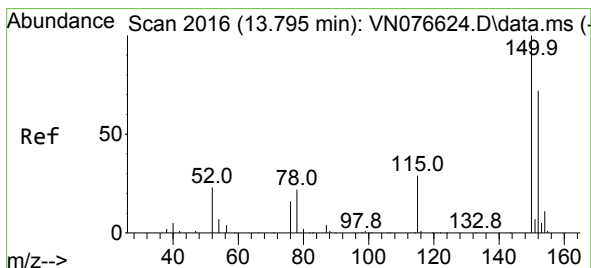
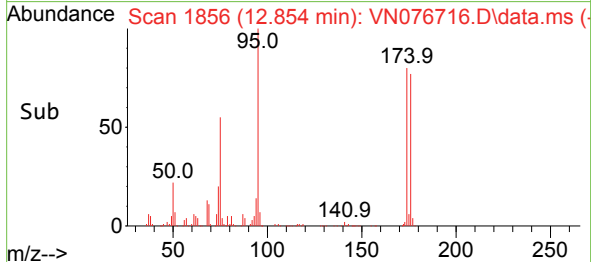
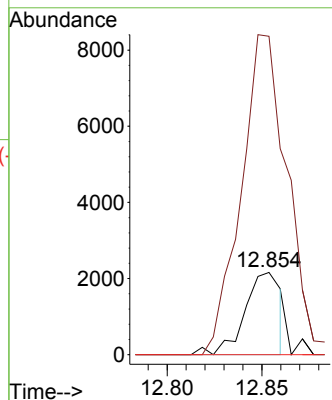
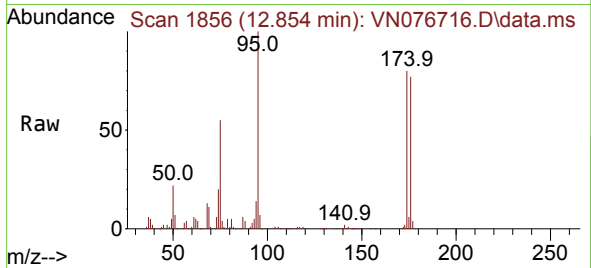




#71
Bromoform
Concen: 0.901 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

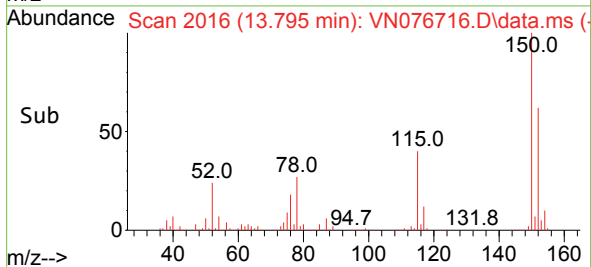
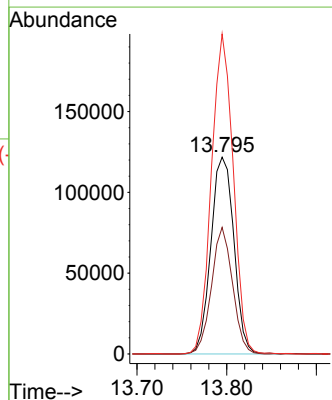
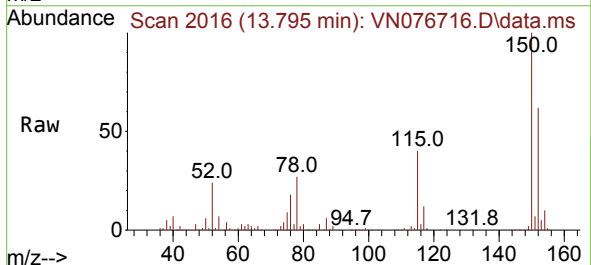
Instrument :
MSVOA_N
ClientSampleId :

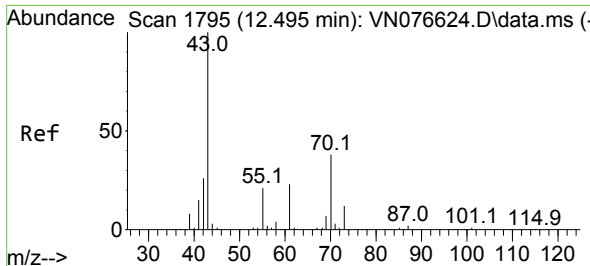
Tgt Ion:173 Resp: 2884
Ion Ratio Lower Upper
173 100
175 405.6 24.9 74.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

Tgt Ion:152 Resp: 216705
Ion Ratio Lower Upper
152 100
115 59.0 29.3 87.9
150 154.4 0.0 349.8

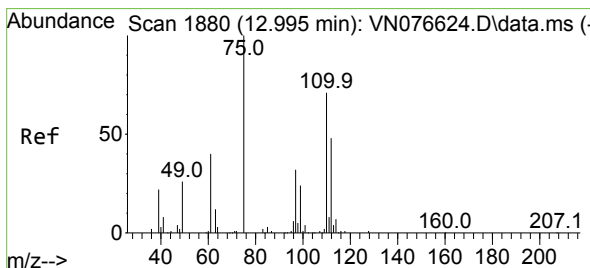
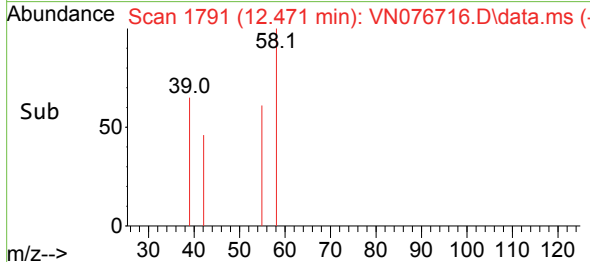
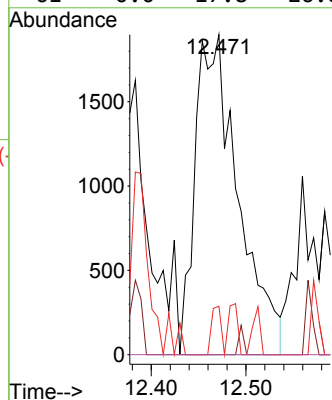
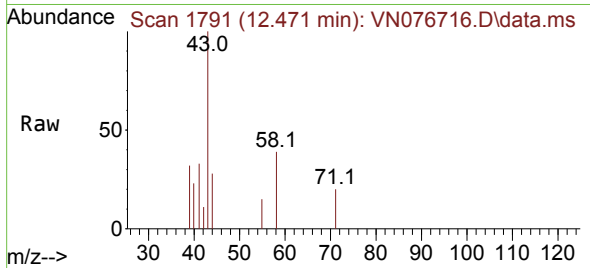




#74
N-amy1 acetate
Concen: 0.834 ug/l
RT: 12.471 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

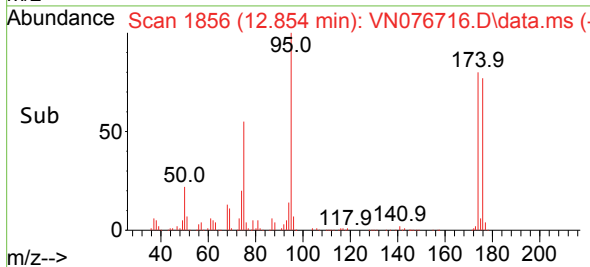
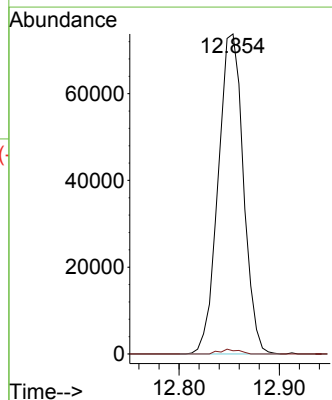
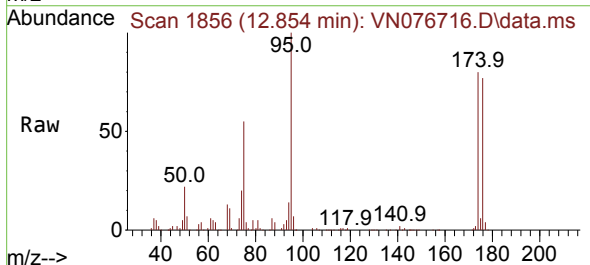
Instrument :
MSVOA_N
ClientSampleId :

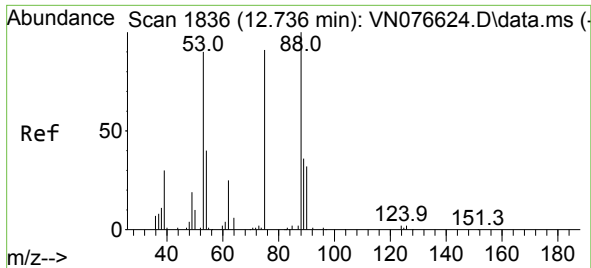
Tgt Ion: 43 Resp: 5968
Ion Ratio Lower Upper
43 100
70 0.0 30.5 45.7#
55 3.3 17.8 26.8#
61 0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 29.376 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076716.D
Acq: 16 Feb 2023 17:04

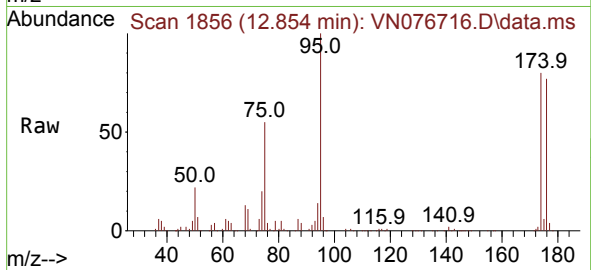
Tgt Ion: 75 Resp: 128702
Ion Ratio Lower Upper
75 100
77 1.1 93.1 279.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.560 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN076716.D
 Acq: 16 Feb 2023 17:04

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 128702
 Ion Ratio Lower Upper
 75 100
 53 0.0 92.1 138.1#
 89 0.0 37.5 56.3#

