

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031623\
 Data File : VN077016.D
 Acq On : 16 Mar 2023 12:31
 Operator : JC\MD
 Sample : VN0316WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS02

Quant Time: Mar 17 03:21:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 04:16:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	42371	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	310296	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	335636	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	128075	32.886	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 109.633%	
60) 4-Bromofluorobenzene	12.848	95	192782	30.348	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 101.167%	
63) Toluene-d8	10.572	98	360891	30.571	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.900%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	108356	19.984	ug/l	96
3) Chloromethane	2.378	50	71564	14.440	ug/l	99
4) Vinyl Chloride	2.531	62	79109	17.505	ug/l	99
5) Bromomethane	2.978	94	59620	20.630	ug/l	91
6) Chloroethane	3.143	64	48760	18.362	ug/l	99
7) Trichlorofluoromethane	3.513	101	172741	20.461	ug/l	99
8) Diethyl Ether	3.972	74	68618	21.673	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.390	101	101290	21.178	ug/l	98
10) 1,1-Dichloroethene	4.354	96	93994	20.248	ug/l	100
11) Methyl Iodide	4.607	142	116391	20.808	ug/l	93
12) Methyl Acetate	5.037	43	172725	22.622	ug/l	99
13) Acrolein	4.190	56	123234	109.175	ug/l	100
14) Acrylonitrile	5.731	53	275542	109.550	ug/l	99
15) Acetone	4.437	58	98332	143.651	ug/l	94
16) Carbon Disulfide	4.725	76	274003	21.287	ug/l	100
17) Allyl chloride	5.043	41	165236	23.731	ug/l	98
18) Methylene Chloride	5.295	84	111753	20.581	ug/l	89
19) trans-1,2-Dichloroethene	5.795	96	100956	20.639	ug/l	99
20) Diisopropyl ether	6.684	45	370024	23.557	ug/l	95
21) 1,1-Dichloroethane	6.578	63	208130	22.266	ug/l	98
22) cis-1,2-Dichloroethene	7.495	96	118546	21.147	ug/l	97
23) tert-Butyl Alcohol	5.525	59	86323	118.172	ug/l #	100
24) Methyl tert-Butyl Ether	5.807	73	328826	21.726	ug/l	95
25) Chloroform	7.972	83	203293	21.171	ug/l	95
26) Cyclohexane	8.266	56	183217	21.468	ug/l #	95
29) 1,1-Dichloropropene	8.378	75	152944	20.926	ug/l	98
30) 2-Butanone	7.489	43	405645	121.651	ug/l	100
31) 2,2-Dichloropropane	7.495	77	162660	22.463	ug/l #	62
32) 1,1,1-Trichloroethane	8.178	97	173709	20.376	ug/l	98
33) Carbon Tetrachloride	8.366	117	149592	19.845	ug/l	94
34) Benzene	8.613	78	462348	20.634	ug/l	97
35) Methacrylonitrile	7.789	41	84448	22.507	ug/l	95
36) 1,2-Dichloroethane	8.678	62	161464	21.499	ug/l	100
37) Trichloroethene	9.360	130	99666	18.047	ug/l	92
38) Methylcyclohexane	9.601	83	185087	20.345	ug/l	95
39) 1,2-Dichloropropane	9.625	63	121358	21.080	ug/l	95
40) Dibromomethane	9.713	93	73634	20.076	ug/l	98
41) Bromodichloromethane	9.889	83	155777	20.725	ug/l	99
42) Vinyl Acetate	6.613	43	1210286	116.439	ug/l	99

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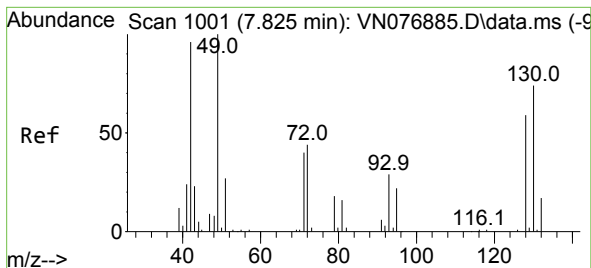
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	154782	23.005	ug/l	96
44) Isopropyl Acetate	8.695	43	241686	22.159	ug/l	93
45) 1,4-Dioxane	9.695	88	40490	441.282	ug/l	91
46) Methyl methacrylate	9.683	41	120554	22.697	ug/l	95
47) n-amyl Acetate	12.495	43	205667	23.171	ug/l	94
48) t-1,3-Dichloropropene	10.836	75	161847	21.498	ug/l	100
49) cis-1,3-Dichloropropene	10.313	75	183040	21.406	ug/l	89
50) 1,1,2-Trichloroethane	11.019	97	107253	19.961	ug/l	99
51) Ethyl methacrylate	10.877	69	164229	20.733	ug/l	92
52) 1,3-Dichloropropane	11.166	76	190994	20.580	ug/l	98
53) Dibromochloromethane	11.360	129	107453	19.603	ug/l	97
54) 1,2-Dibromoethane	11.472	107	105754	20.396	ug/l	98
55) 2-Chloroethyl vinyl ether	10.166	63	324091	116.694	ug/l	98
56) Bromoform	12.583	173	71312	19.446	ug/l	99
58) 4-Methyl-2-Pentanone	10.448	43	770288	113.607	ug/l	94
59) 2-Hexanone	11.195	43	579119	120.235	ug/l	94
61) Tetrachloroethene	11.107	164	80628	15.217	ug/l	84
62) Toluene	10.630	91	481963	20.839	ug/l	100
64) Chlorobenzene	11.895	112	278011	20.421	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.966	131	101769	19.903	ug/l	96
66) Ethyl Benzene	11.966	91	520095	20.713	ug/l	99
67) m/p-Xylenes	12.072	106	401730	42.237	ug/l	93
68) o-Xylene	12.401	106	195401	21.043	ug/l	96
69) Styrene	12.413	104	314121	20.857	ug/l	98
70) Isopropylbenzene	12.701	105	502552	20.800	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.936	83	161340	22.147	ug/l	98
72) 1,2,3-Trichloropropane	12.995	75	193783	28.998	ug/l	74
73) Bromobenzene	12.983	156	107500	19.717	ug/l	89
74) n-propylbenzene	13.036	91	592362	20.771	ug/l	99
75) 2-Chlorotoluene	13.130	91	364132	20.646	ug/l	95
76) 1,3,5-Trimethylbenzene	13.177	105	434546	20.779	ug/l	93
77) t-1,4-Dichloro-2-butene	12.742	75	48899	23.970	ug/l	97
78) 4-Chlorotoluene	13.224	91	350412	20.611	ug/l	92
79) tert-butylbenzene	13.442	119	357031	20.416	ug/l	93
80) 1,2,4-Trimethylbenzene	13.483	105	430604	20.952	ug/l	96
81) sec-Butylbenzene	13.618	105	515438	20.600	ug/l	97
82) p-Isopropyltoluene	13.730	119	420697	20.803	ug/l	97
83) 1,3-Dichlorobenzene	13.736	146	202421	20.065	ug/l	98
84) 1,4-Dichlorobenzene	13.813	146	197067	20.110	ug/l	96
85) n-Butylbenzene	14.060	91	359322	20.962	ug/l	98
86) Hexachloroethane	14.336	117	77046	21.338	ug/l	99
87) 1,2-Dichlorobenzene	14.107	146	200454	19.926	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.718	75	29881	21.059	ug/l	96
89) 1,2,4-Trichlorobenzene	15.395	180	99463	18.534	ug/l	98
90) Hexachlorobutadiene	15.501	225	51594	18.236	ug/l	96
91) Naphthalene	15.642	128	323943	19.032	ug/l	98
92) 1,2,3-Trichlorobenzene	15.842	180	99805	18.551	ug/l	98

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

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.819 min Scan# 10

Delta R.T. -0.006 min

Lab File: VN077016.D

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Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS02

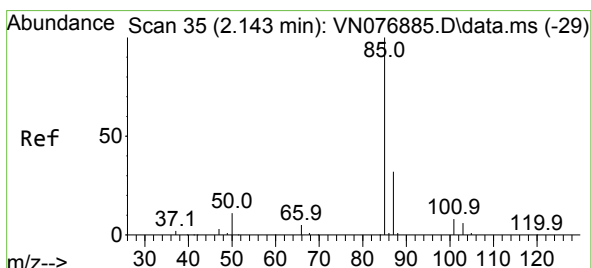
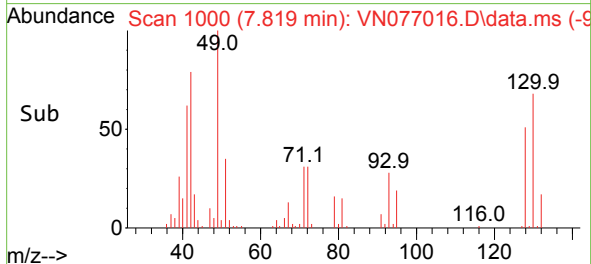
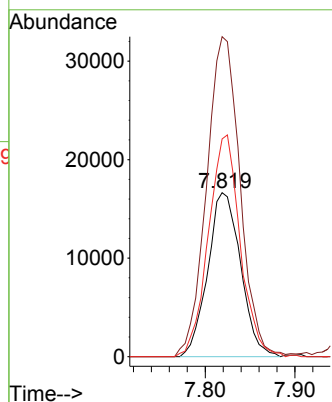
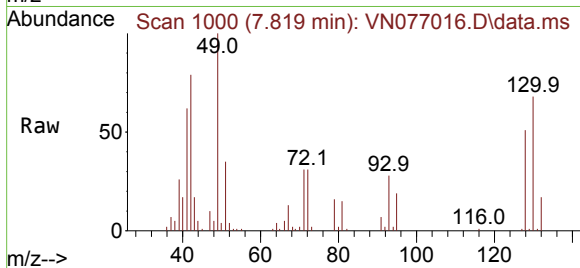
Tgt Ion:128 Resp: 42371

Ion Ratio Lower Upper

128 100

49 198.2 0.0 461.8

130 130.8 0.0 295.3



#2

Dichlorodifluoromethane

Concen: 19.984 ug/l

RT: 2.137 min Scan# 34

Delta R.T. -0.006 min

Lab File: VN077016.D

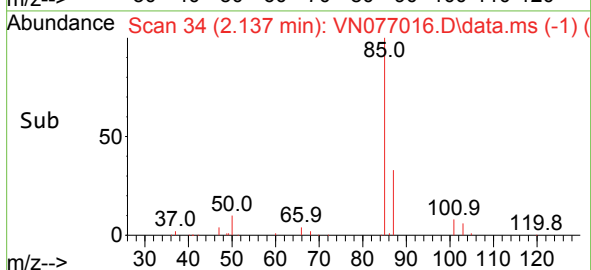
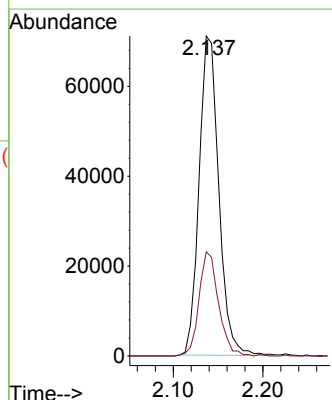
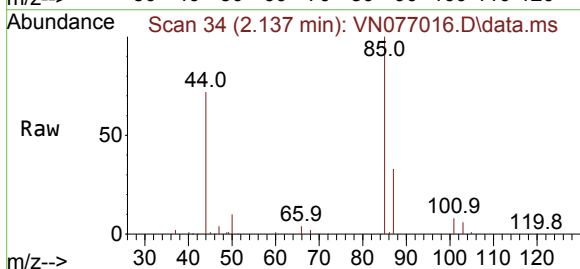
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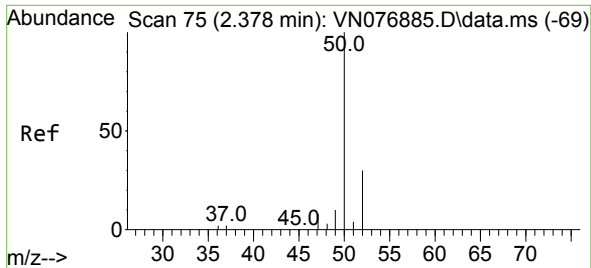
Tgt Ion: 85 Resp: 108356

Ion Ratio Lower Upper

85 100

87 32.7 15.4 46.1

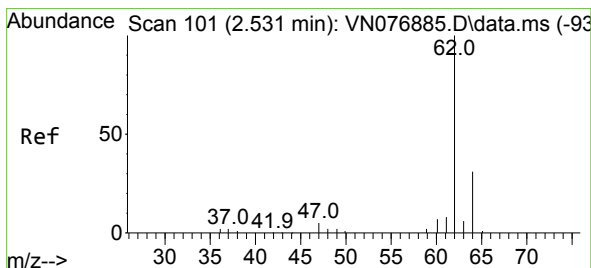
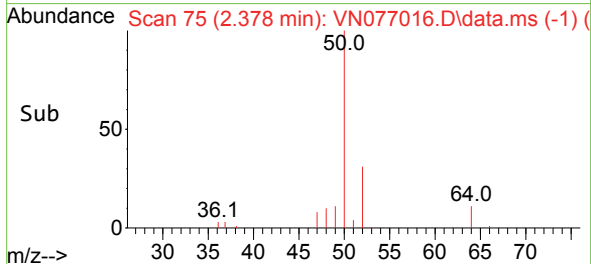
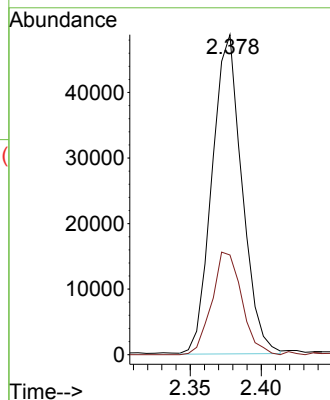
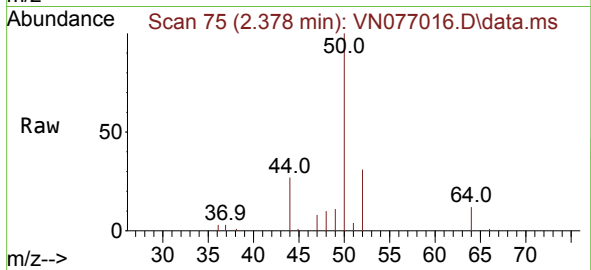




#3
Chloromethane
Concen: 14.440 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

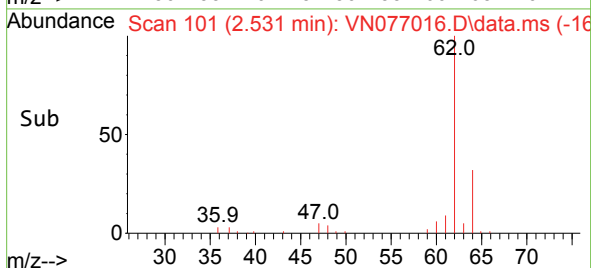
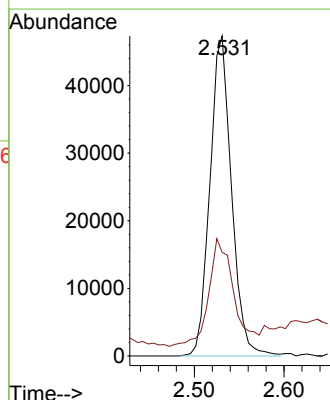
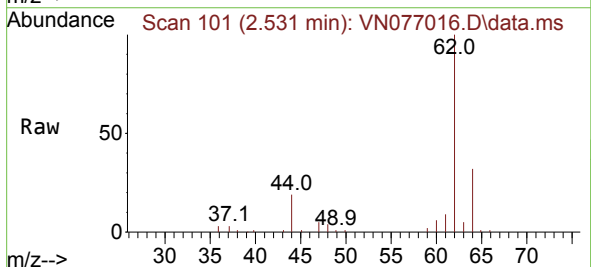
Instrument :
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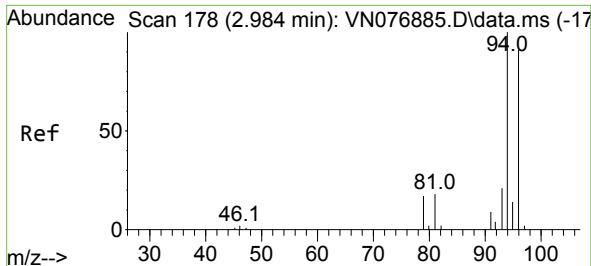
Tgt Ion: 50 Resp: 71564
Ion Ratio Lower Upper
50 100
52 31.3 25.3 37.9



#4
Vinyl Chloride
Concen: 17.505 ug/l
RT: 2.531 min Scan# 101
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 62 Resp: 79109
Ion Ratio Lower Upper
62 100
64 28.4 23.1 34.7

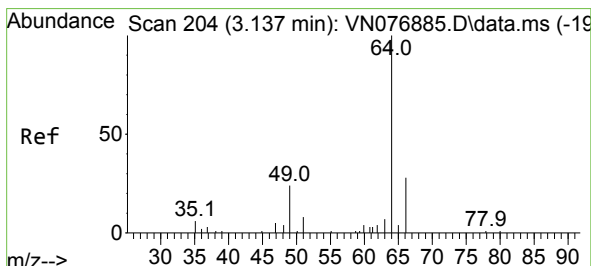
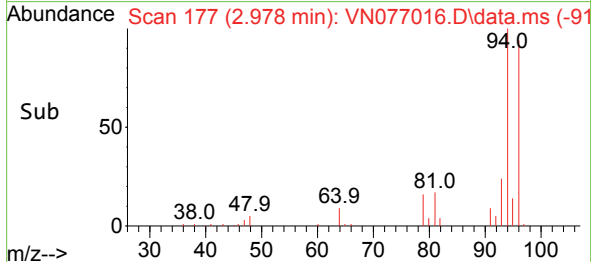
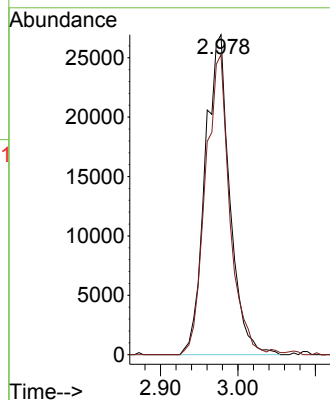
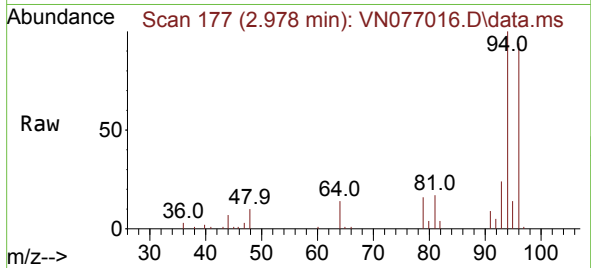




#5
Bromomethane
Concen: 20.630 ug/l
RT: 2.978 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

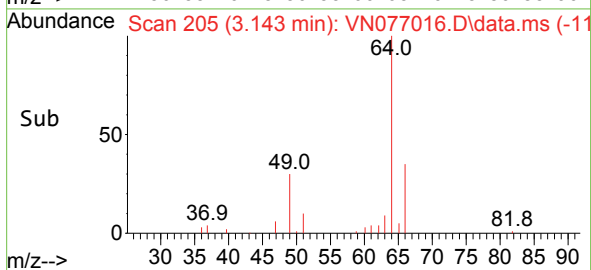
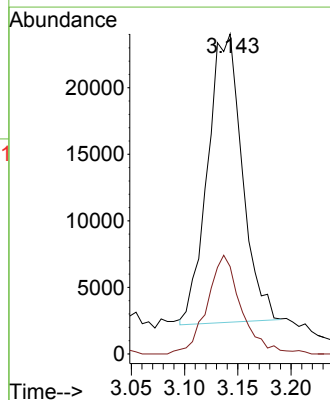
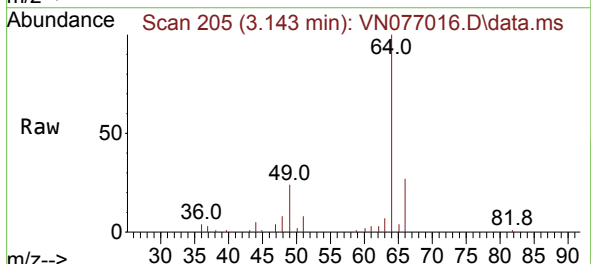
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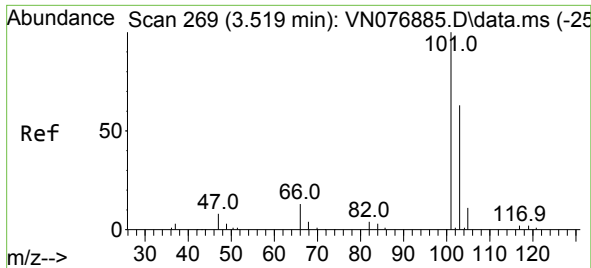
Tgt Ion: 94 Resp: 59620
Ion Ratio Lower Upper
94 100
96 93.7 68.6 103.0



#6
Chloroethane
Concen: 18.362 ug/l
RT: 3.143 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 64 Resp: 48760
Ion Ratio Lower Upper
64 100
66 29.3 23.8 35.6

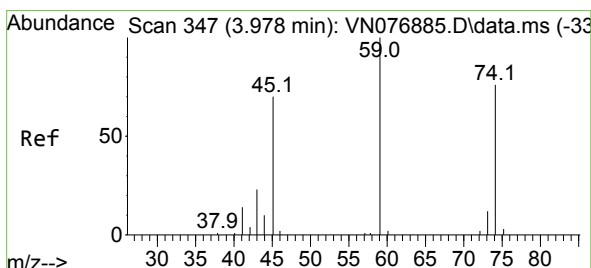
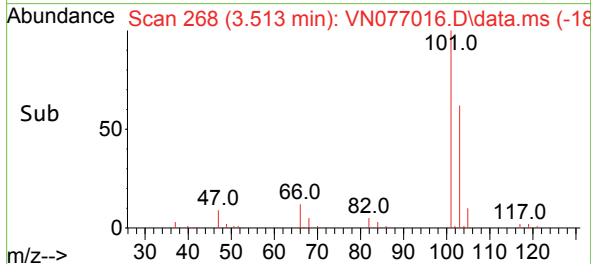
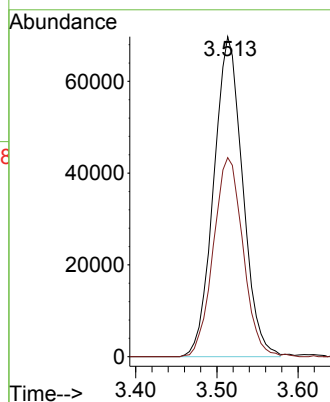
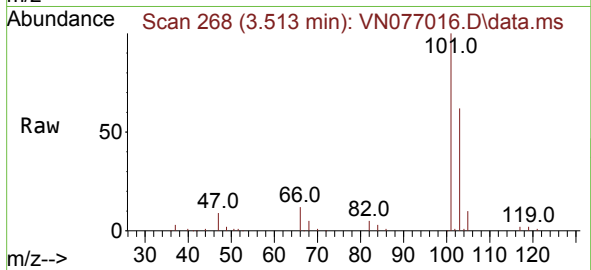




#7
 Trichlorofluoromethane
 Concen: 20.461 ug/l
 RT: 3.513 min Scan# 201
 Delta R.T. 0.000 min
 Lab File: VN077016.D
 Acq: 16 Mar 2023 12:31

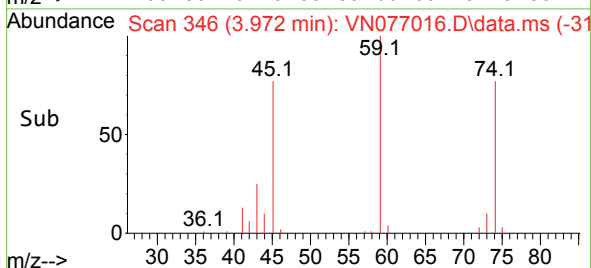
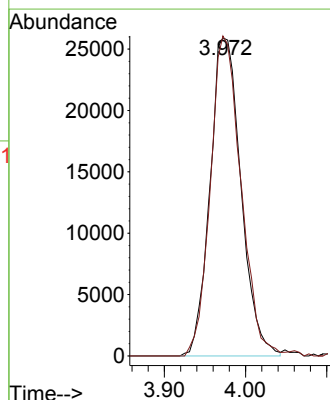
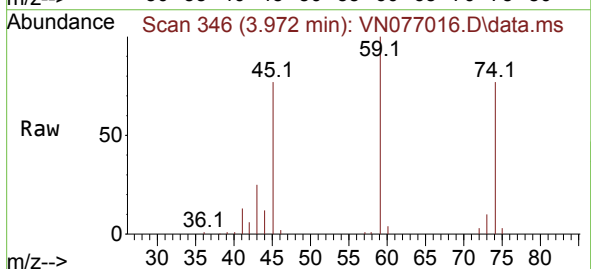
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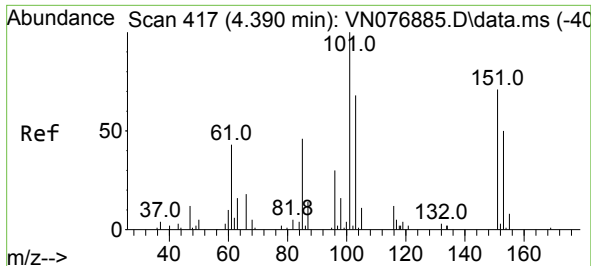
Tgt Ion:101 Resp: 172741
 Ion Ratio Lower Upper
 101 100
 103 62.2 50.2 75.2



#8
 Diethyl Ether
 Concen: 21.673 ug/l
 RT: 3.972 min Scan# 346
 Delta R.T. 0.000 min
 Lab File: VN077016.D
 Acq: 16 Mar 2023 12:31

Tgt Ion: 74 Resp: 68618
 Ion Ratio Lower Upper
 74 100
 45 99.2 21.4 193.0

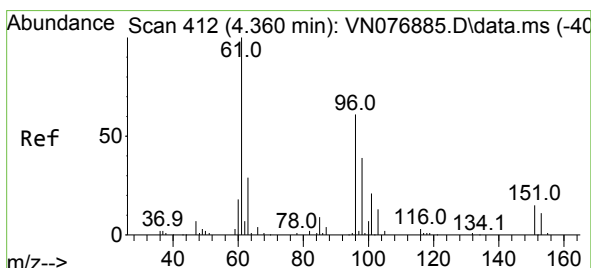
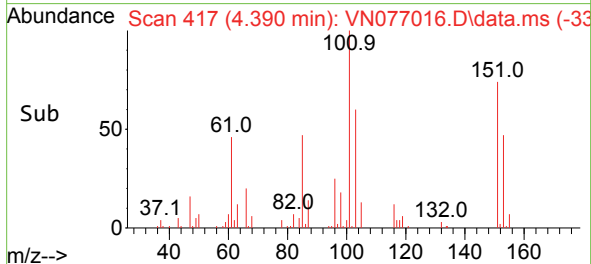
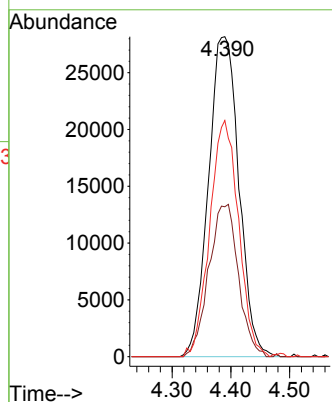
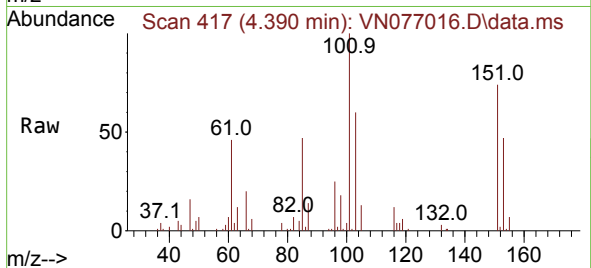




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.178 ug/l
RT: 4.390 min Scan# 417
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

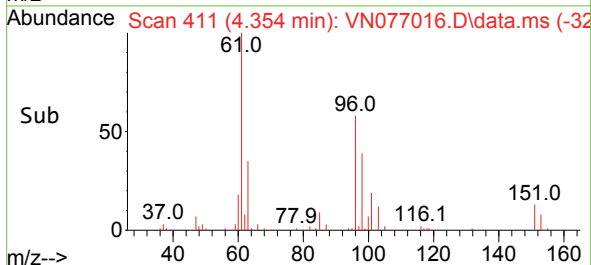
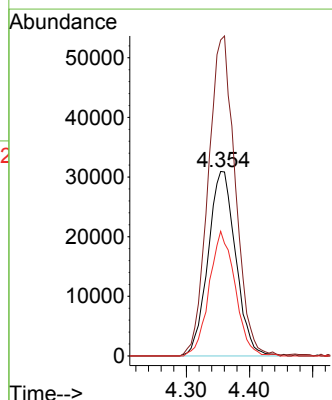
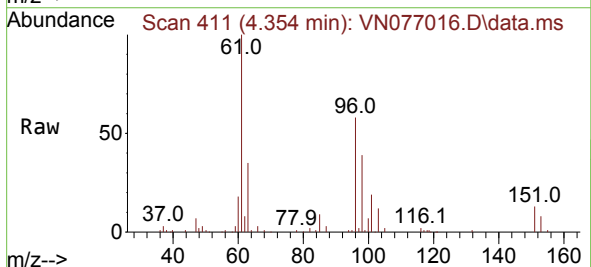
Instrument :
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ClientSampleId :
VN0316WBS02

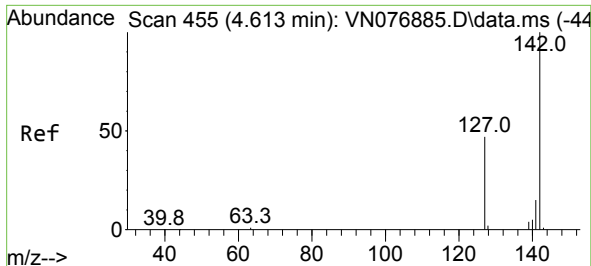
Tgt Ion:101 Resp: 101290
Ion Ratio Lower Upper
101 100
85 46.2 0.0 95.2
151 69.9 0.0 142.2



#10
1,1-Dichloroethene
Concen: 20.248 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 96 Resp: 93994
Ion Ratio Lower Upper
96 100
61 171.3 137.1 205.7
98 67.6 53.2 79.8

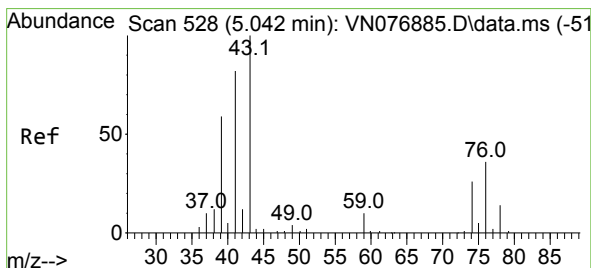
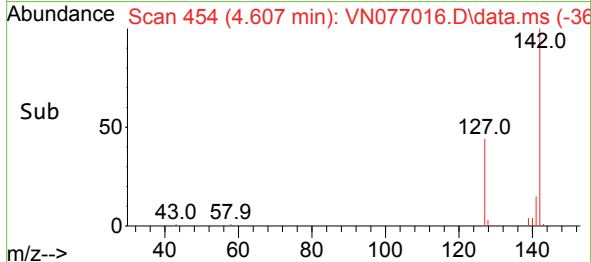
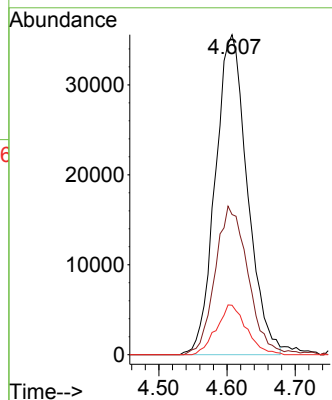
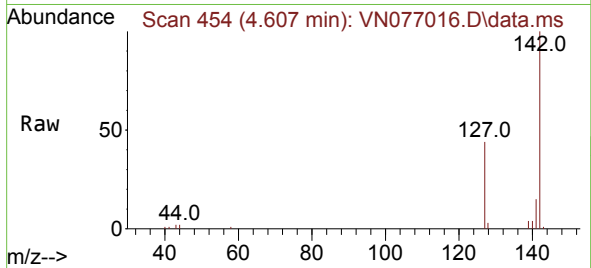




#11
Methyl Iodide
Concen: 20.808 ug/l
RT: 4.607 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

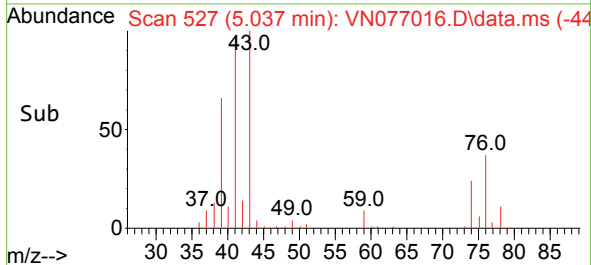
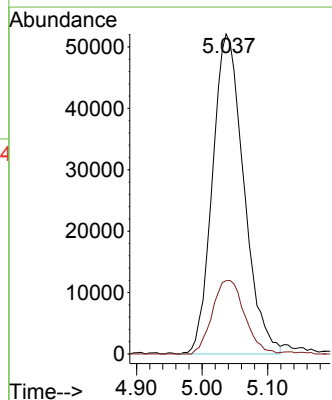
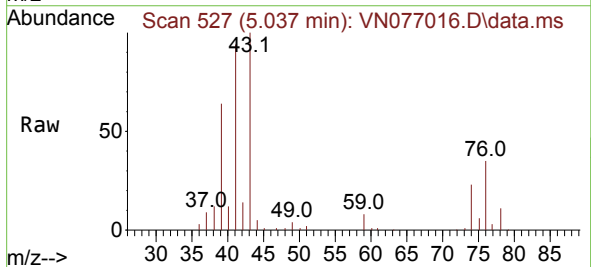
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

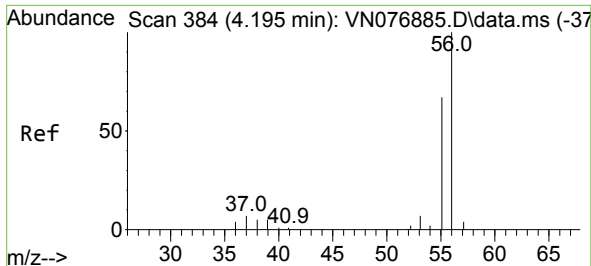
Tgt Ion:142 Resp: 116391
Ion Ratio Lower Upper
142 100
127 43.6 25.0 75.0
141 15.4 8.0 24.0



#12
Methyl Acetate
Concen: 22.622 ug/l
RT: 5.037 min Scan# 527
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 43 Resp: 172725
Ion Ratio Lower Upper
43 100
74 23.0 19.0 28.4





#13

Acrolein

Concen: 109.175 ug/l

RT: 4.190 min Scan# 3

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

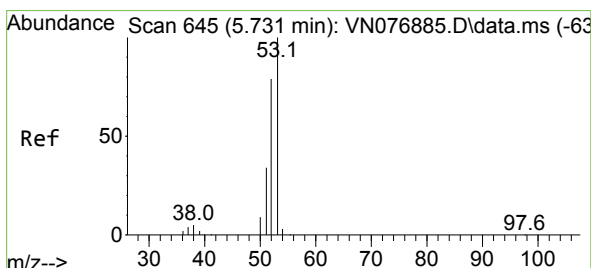
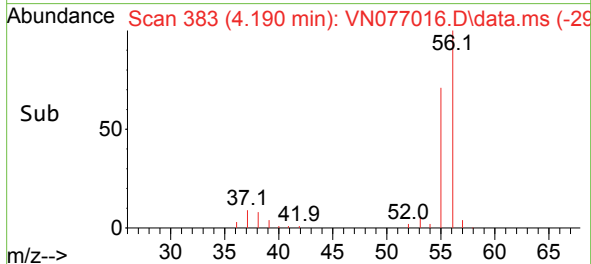
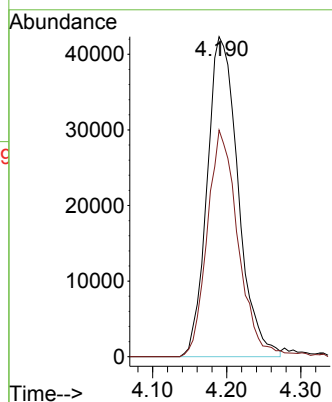
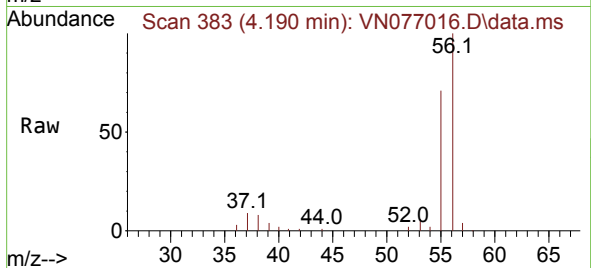
VN0316WBS02

Tgt Ion: 56 Resp: 123234

Ion Ratio Lower Upper

56 100

55 69.0 55.0 82.4



#14

Acrylonitrile

Concen: 109.550 ug/l

RT: 5.731 min Scan# 645

Delta R.T. -0.006 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

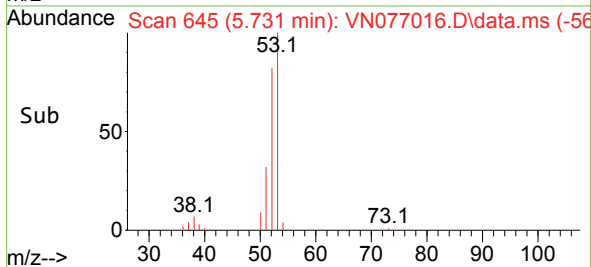
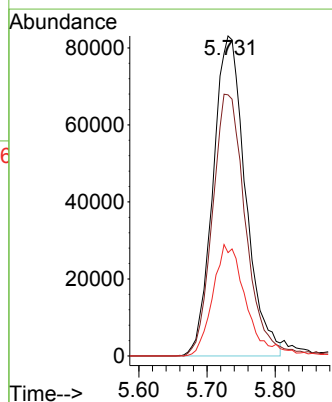
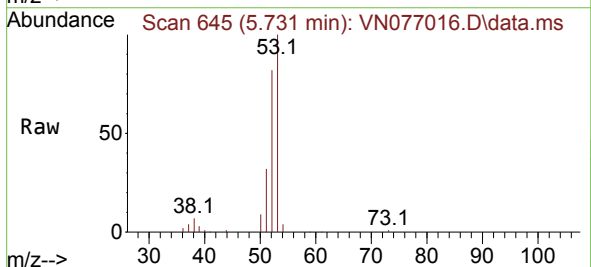
Tgt Ion: 53 Resp: 275542

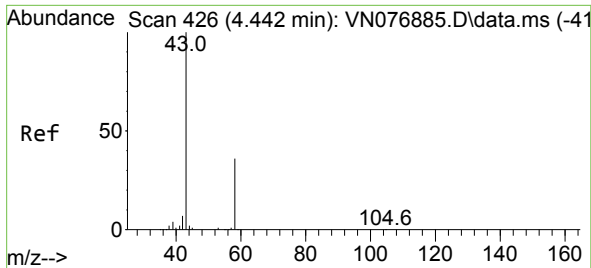
Ion Ratio Lower Upper

53 100

52 83.4 41.5 124.6

51 34.2 17.6 52.8

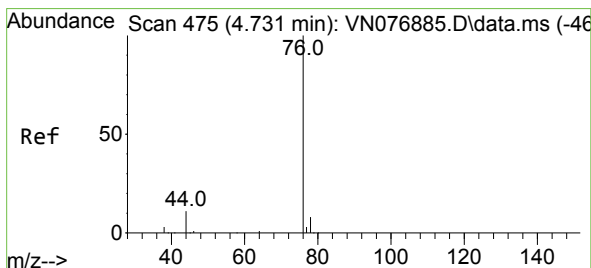
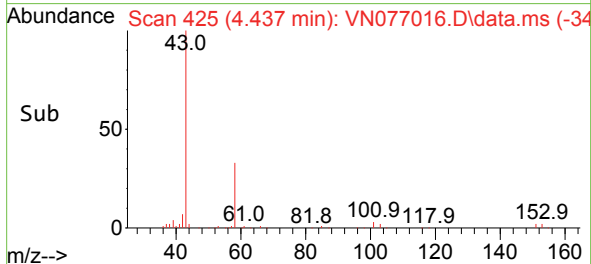
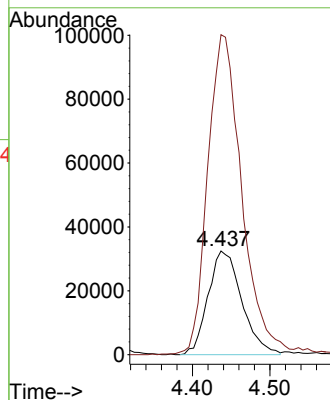
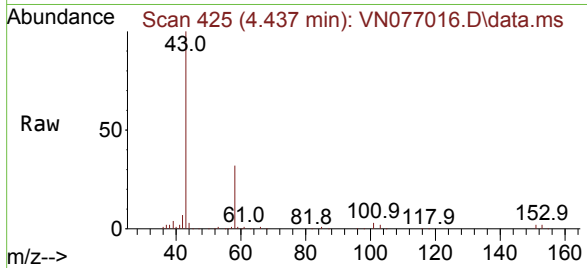




#15
Acetone
Concen: 143.651 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

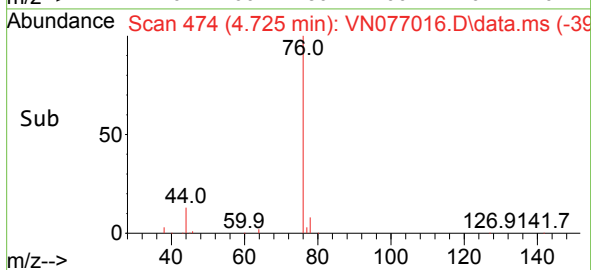
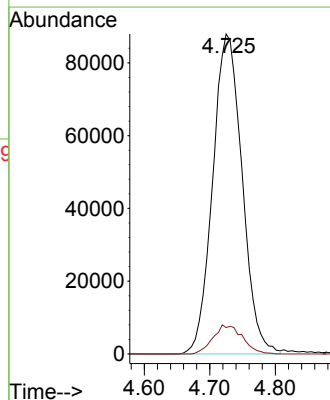
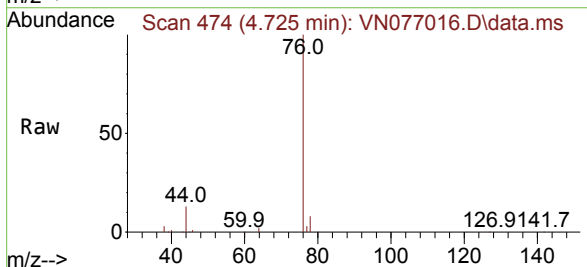
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

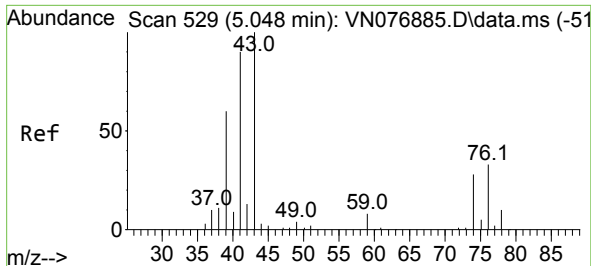
Tgt Ion: 58 Resp: 98332
Ion Ratio Lower Upper
58 100
43 306.2 255.4 383.0



#16
Carbon Disulfide
Concen: 21.287 ug/l
RT: 4.725 min Scan# 474
Delta R.T. -0.006 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 76 Resp: 274003
Ion Ratio Lower Upper
76 100
78 8.3 6.6 9.8

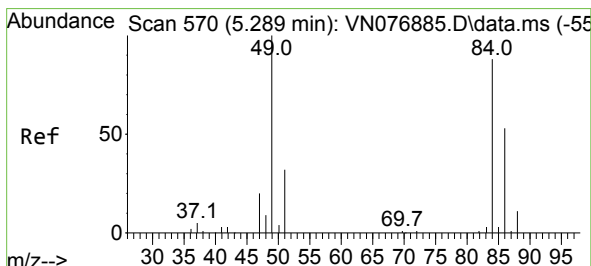
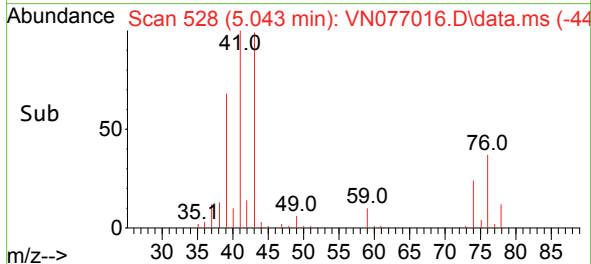
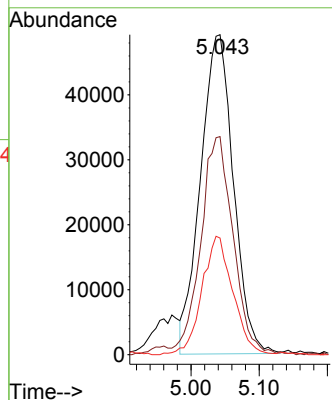
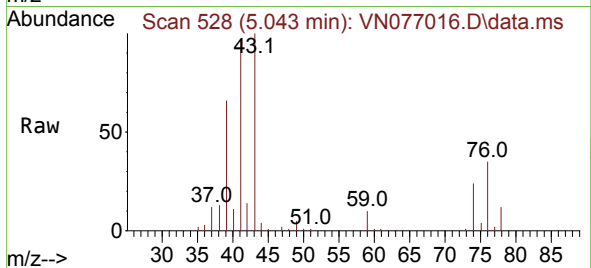




#17
 Allyl chloride
 Concen: 23.731 ug/l
 RT: 5.043 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN077016.D
 Acq: 16 Mar 2023 12:31

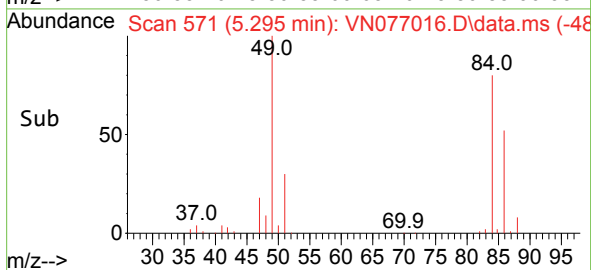
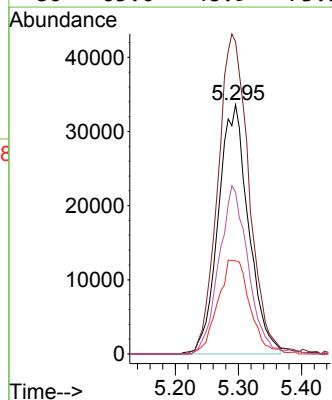
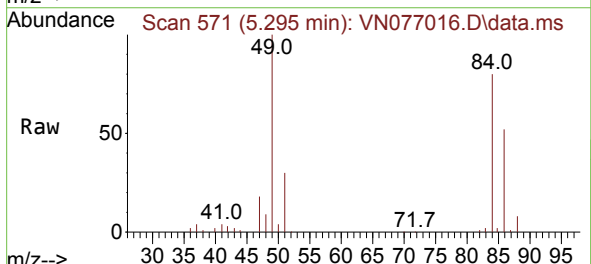
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS02

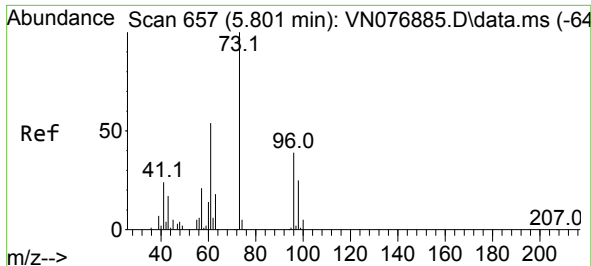
Tgt Ion:	41	Resp:	165236
Ion	Ratio	Lower	Upper
41	100		
39	67.7	34.8	104.3
76	36.2	17.5	52.5



#18
 Methylene Chloride
 Concen: 20.581 ug/l
 RT: 5.295 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: VN077016.D
 Acq: 16 Mar 2023 12:31

Tgt Ion:	84	Resp:	111753
Ion	Ratio	Lower	Upper
84	100		
49	125.3	113.8	170.6
51	37.4	34.2	51.4
86	65.0	48.9	73.3

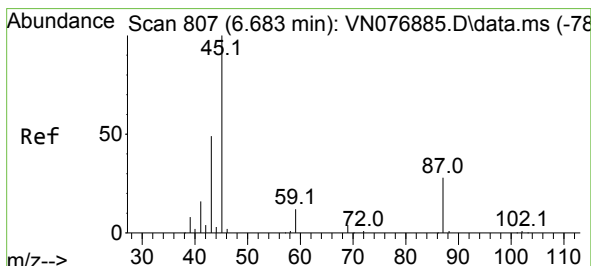
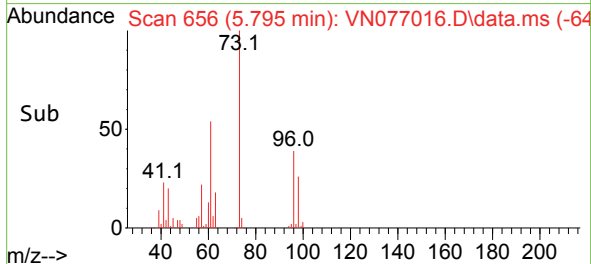
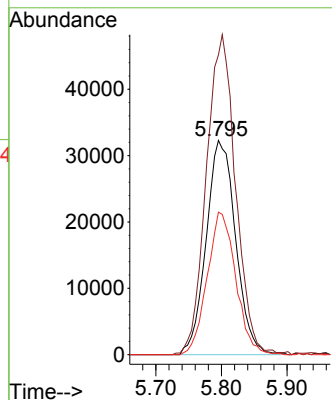
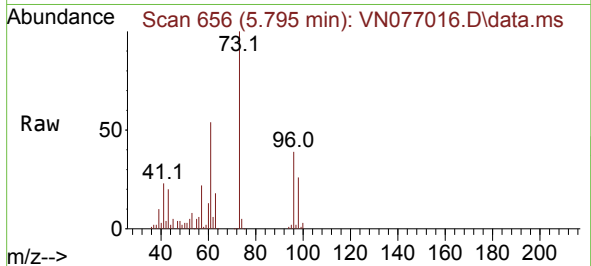




#19
trans-1,2-Dichloroethene
Concen: 20.639 ug/l
RT: 5.795 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

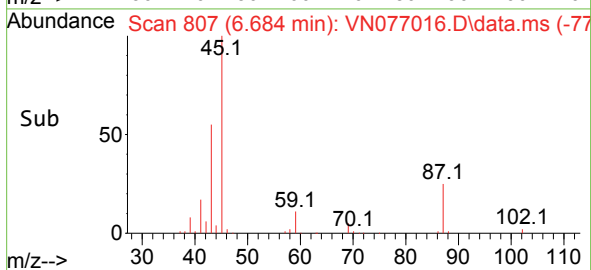
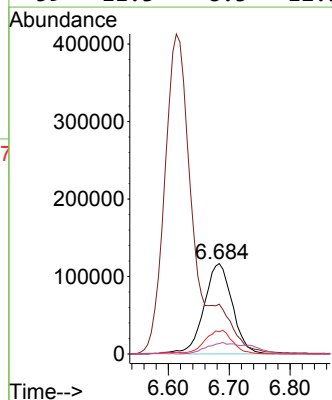
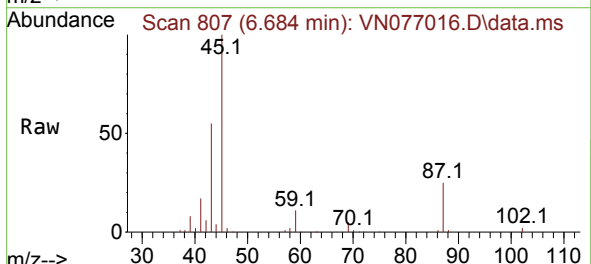
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

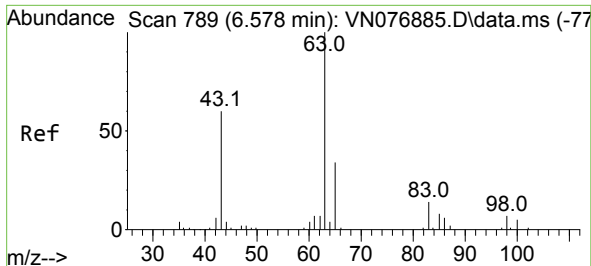
Tgt Ion: 96 Resp: 100956
Ion Ratio Lower Upper
96 100
61 139.1 111.0 166.4
98 66.5 55.0 82.6



#20
Diisopropyl ether
Concen: 23.557 ug/l
RT: 6.684 min Scan# 807
Delta R.T. -0.005 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 45 Resp: 370024
Ion Ratio Lower Upper
45 100
43 53.6 38.6 58.0
87 24.4 20.1 30.1
59 11.3 8.3 12.5

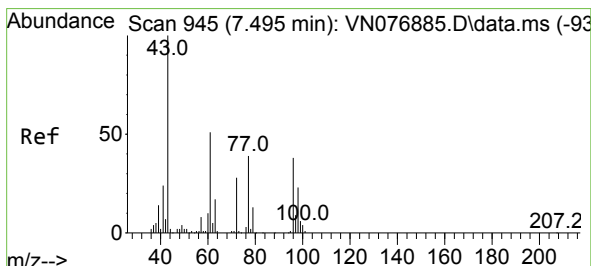
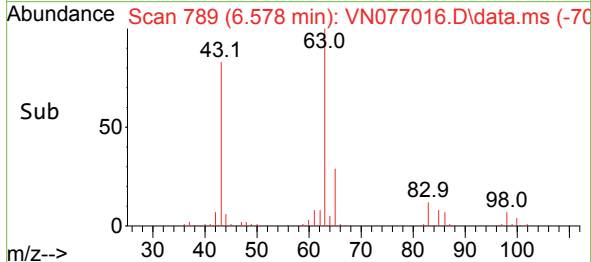
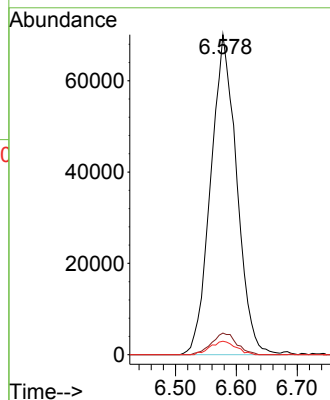
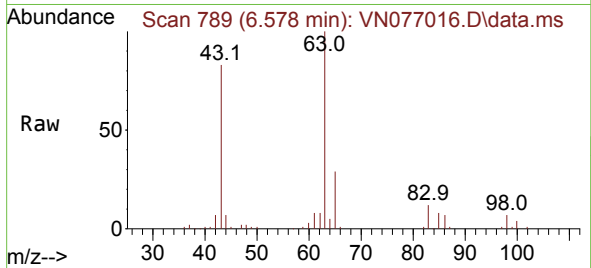




#21
1,1-Dichloroethane
Concen: 22.266 ug/l
RT: 6.578 min Scan# 789
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

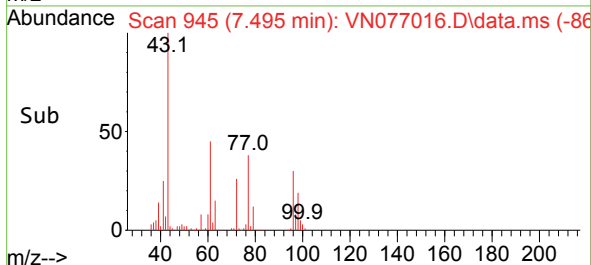
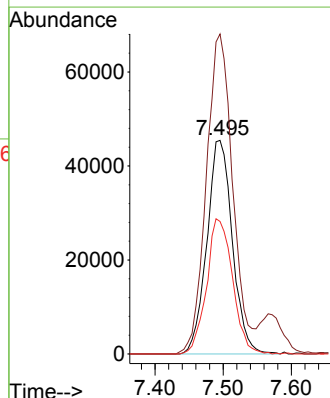
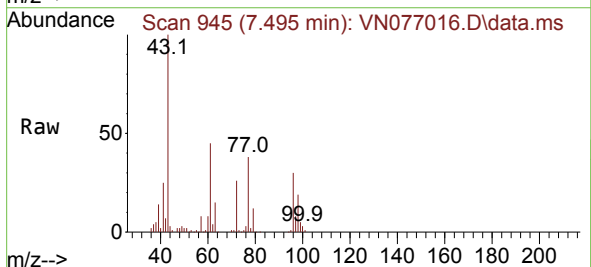
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

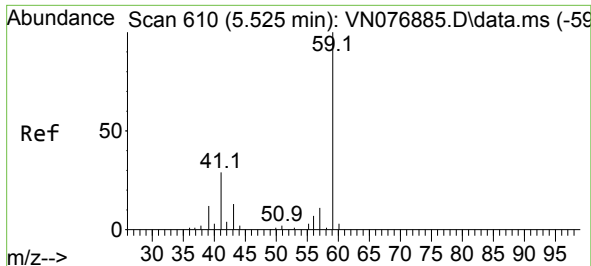
Tgt Ion: 63 Resp: 208130
Ion Ratio Lower Upper
63 100
98 6.8 3.6 10.9
100 4.2 2.6 7.8



#22
cis-1,2-Dichloroethene
Concen: 21.147 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 96 Resp: 118546
Ion Ratio Lower Upper
96 100
61 155.5 121.0 181.4
98 64.2 50.1 75.1

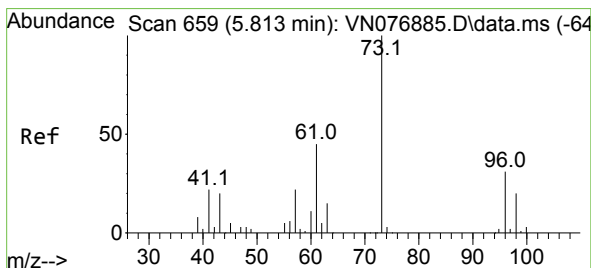
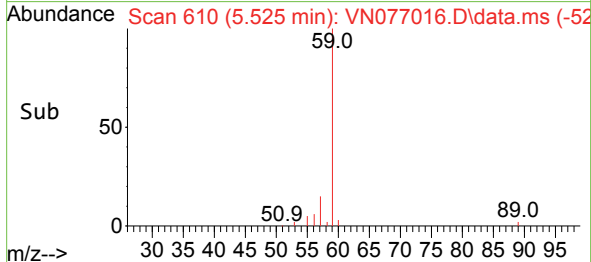
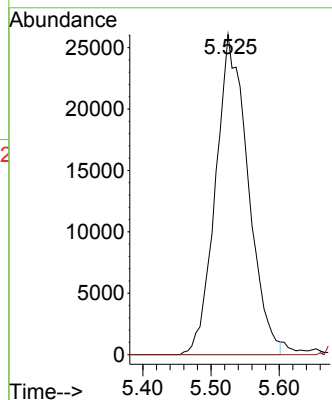
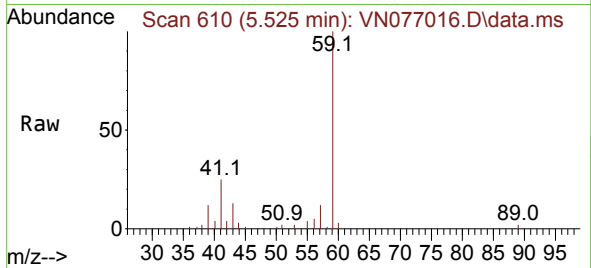




#23
tert-Butyl Alcohol
Concen: 118.172 ug/l
RT: 5.525 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

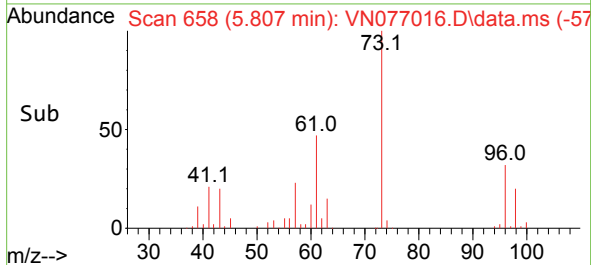
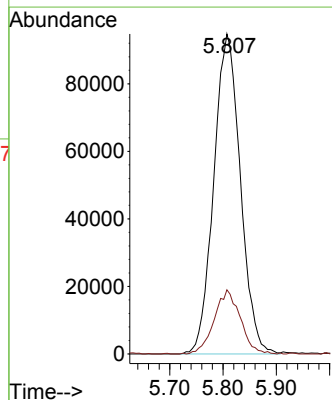
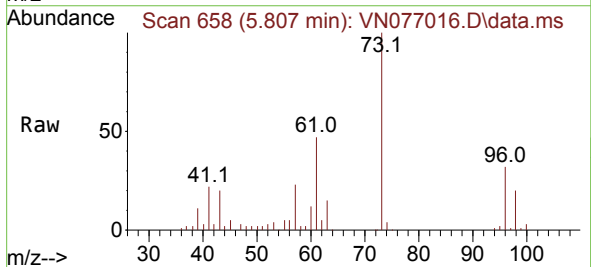
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

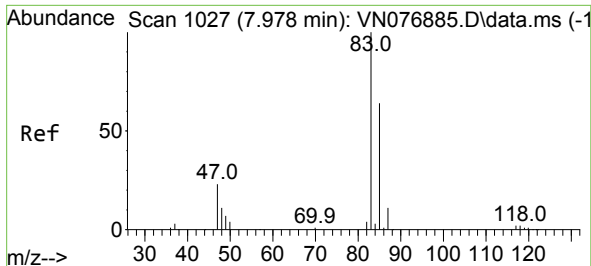
Tgt Ion: 59 Resp: 86323
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2#



#24
Methyl tert-Butyl Ether
Concen: 21.726 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 73 Resp: 328826
Ion Ratio Lower Upper
73 100
43 19.6 17.8 26.6





#25

Chloroform

Concen: 21.171 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

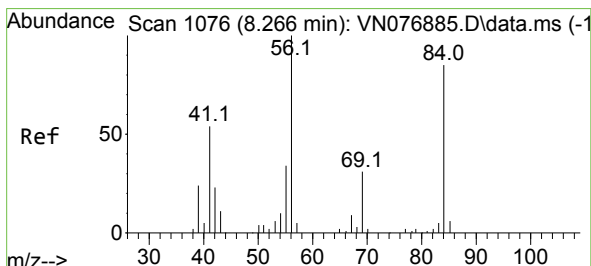
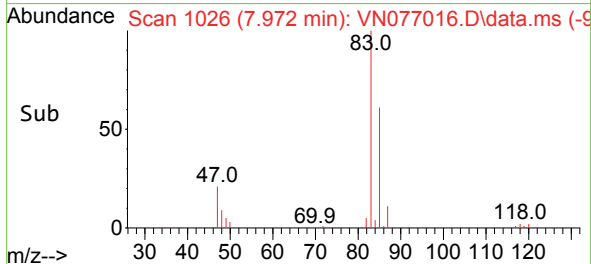
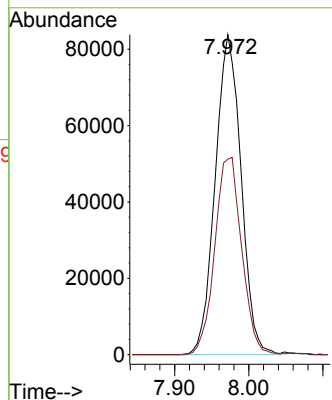
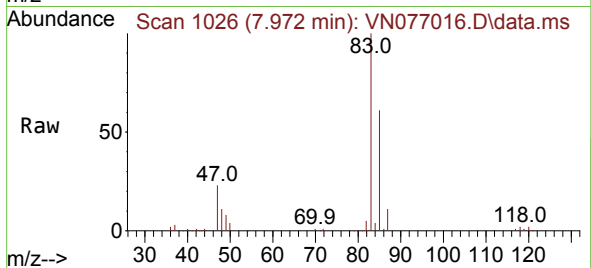
VN0316WBS02

Tgt Ion: 83 Resp: 203293

Ion Ratio Lower Upper

83 100

85 61.1 51.8 77.6



#26

Cyclohexane

Concen: 21.468 ug/l

RT: 8.266 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

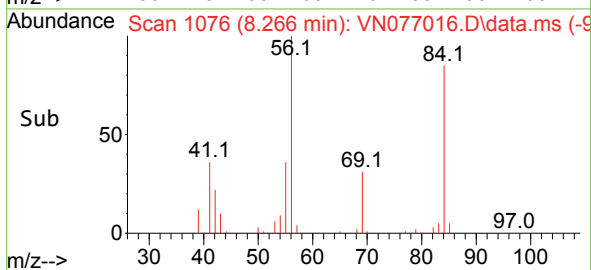
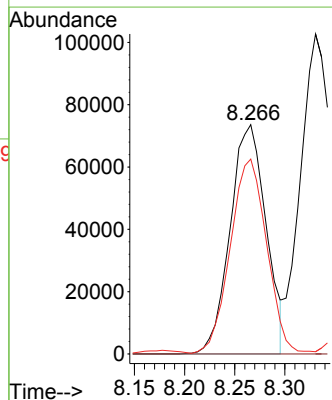
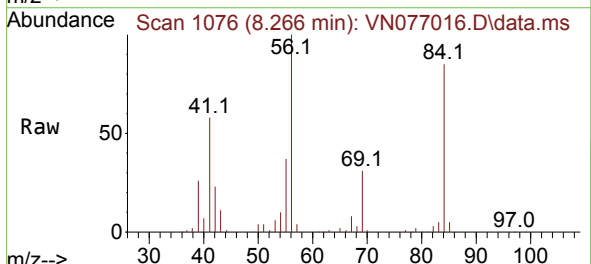
Tgt Ion: 56 Resp: 183217

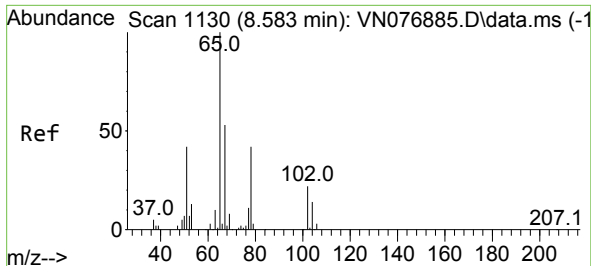
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 86.4 65.3 97.9





#27

1,2-Dichloroethane-d4

Concen: 32.886 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

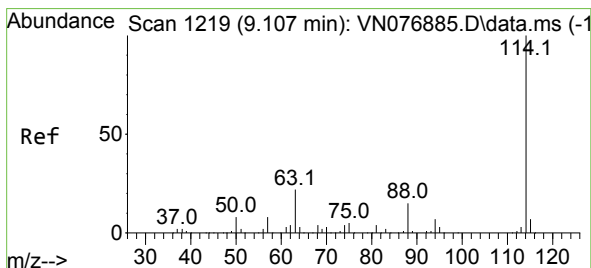
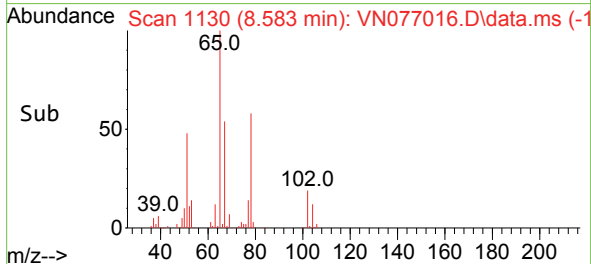
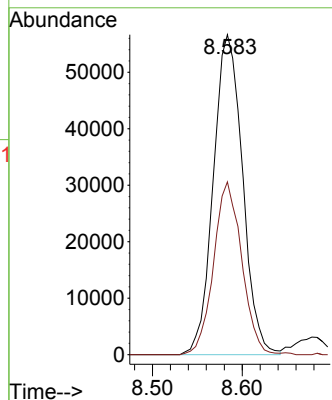
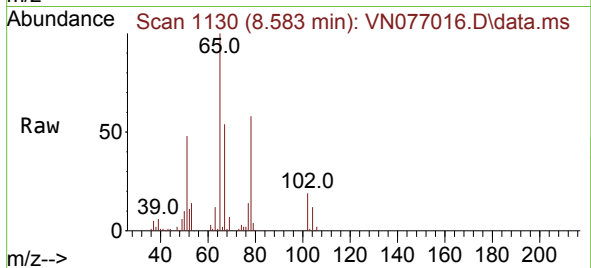
VN0316WBS02

Tgt Ion: 65 Resp: 128075

Ion Ratio Lower Upper

65 100

67 51.9 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

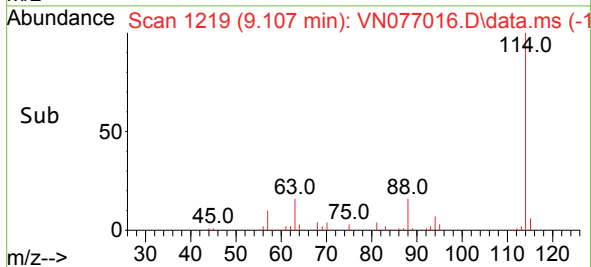
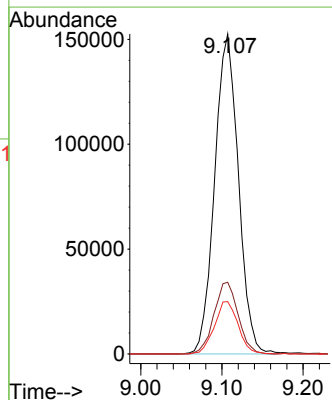
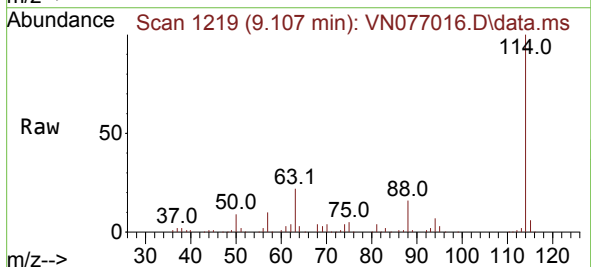
Tgt Ion: 114 Resp: 310296

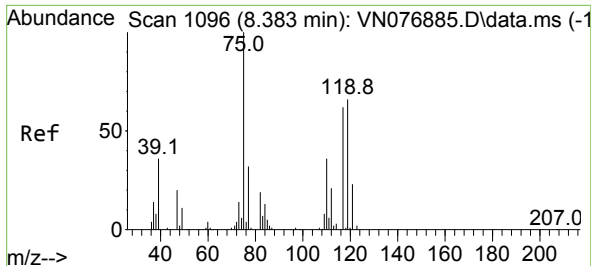
Ion Ratio Lower Upper

114 100

63 22.8 17.0 25.4

88 16.3 11.6 17.4





#29

1,1-Dichloropropene

Concen: 20.926 ug/l

RT: 8.378 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS02

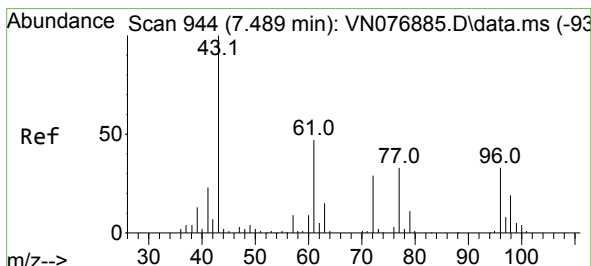
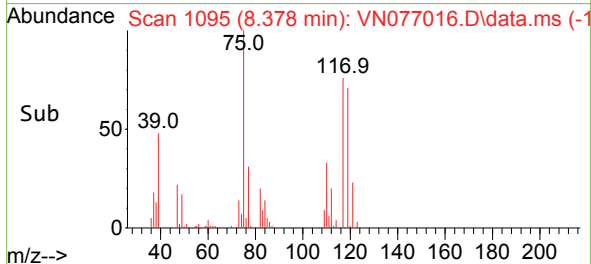
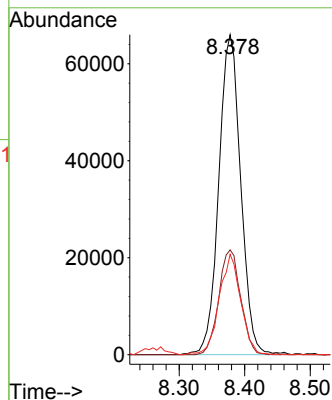
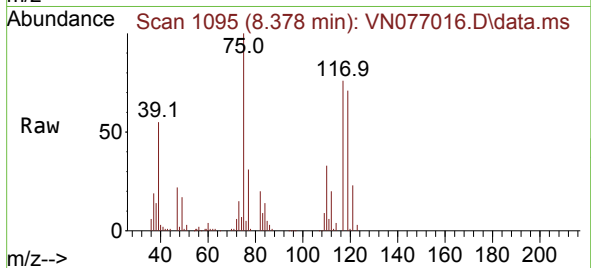
Tgt Ion: 75 Resp: 152944

Ion Ratio Lower Upper

75 100

110 32.7 0.0 67.2

77 30.6 0.0 64.4



#30

2-Butanone

Concen: 121.651 ug/l

RT: 7.489 min Scan# 944

Delta R.T. 0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

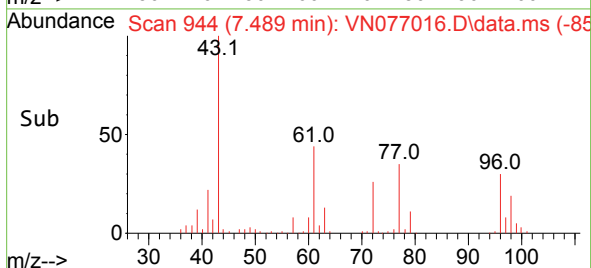
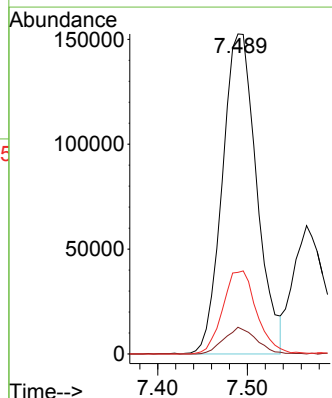
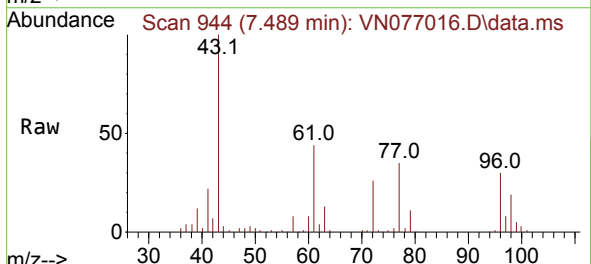
Tgt Ion: 43 Resp: 405645

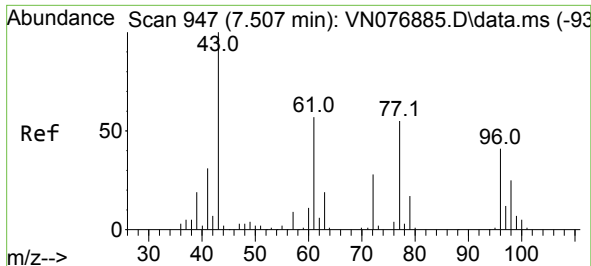
Ion Ratio Lower Upper

43 100

57 7.9 6.1 9.1

72 25.5 20.2 30.4





#31

2,2-Dichloropropane

Concen: 22.463 ug/l

RT: 7.495 min Scan# 94

Delta R.T. -0.006 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

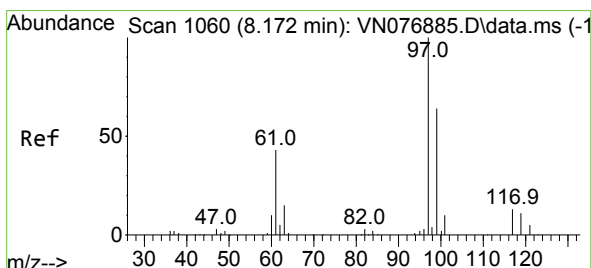
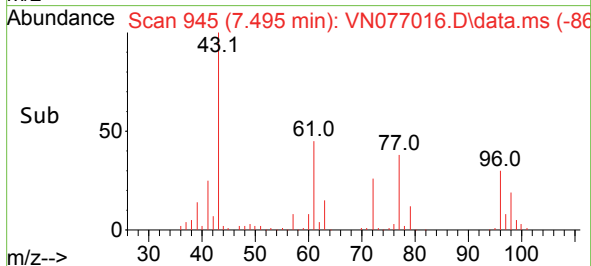
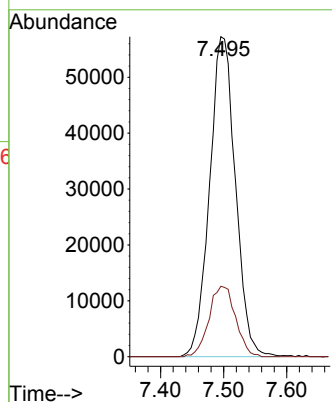
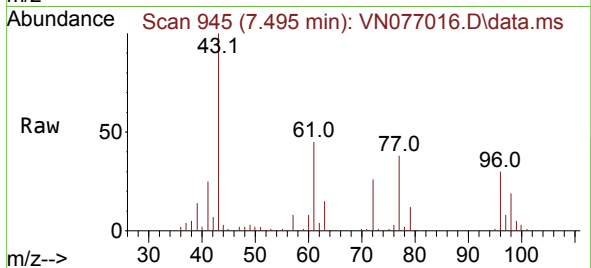
VN0316WBS02

Tgt Ion: 77 Resp: 162660

Ion Ratio Lower Upper

77 100

97 22.6 7.2 10.8#



#32

1,1,1-Trichloroethane

Concen: 20.376 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

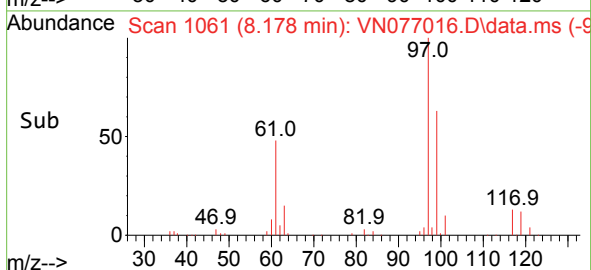
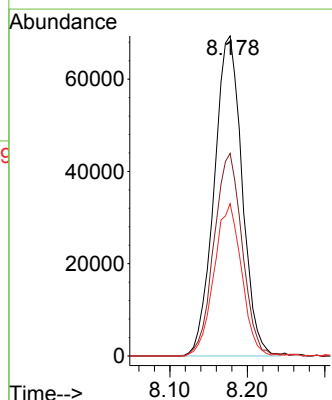
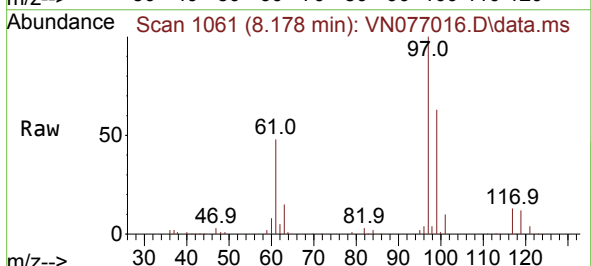
Tgt Ion: 97 Resp: 173709

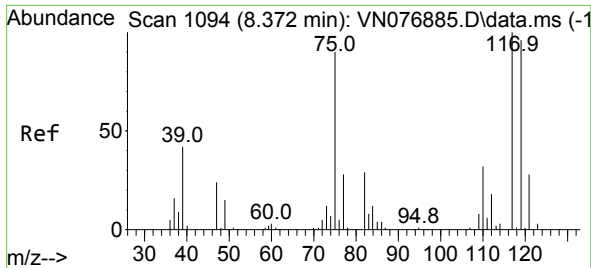
Ion Ratio Lower Upper

97 100

99 63.7 51.8 77.8

61 46.8 39.3 58.9

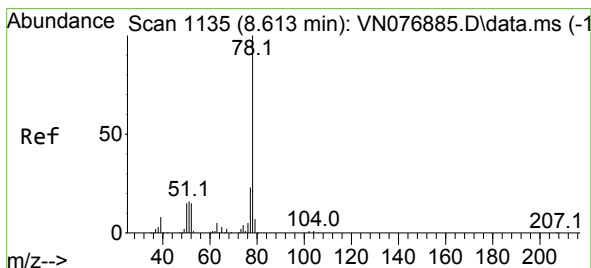
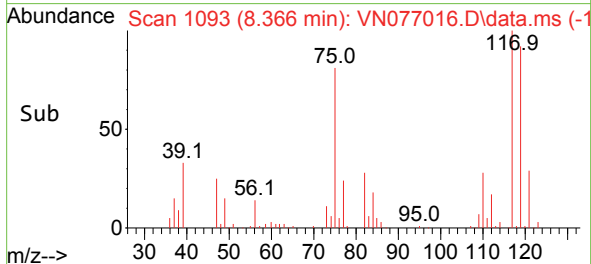
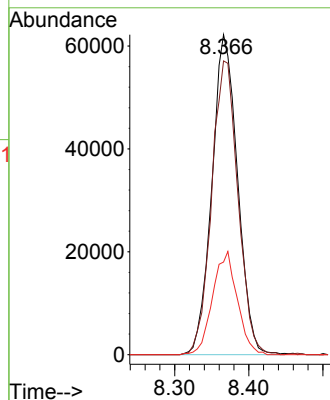
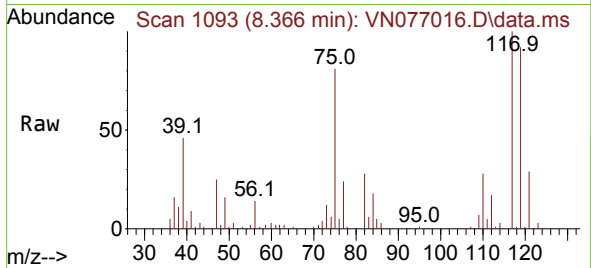




#33
Carbon Tetrachloride
Concen: 19.845 ug/l
RT: 8.366 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

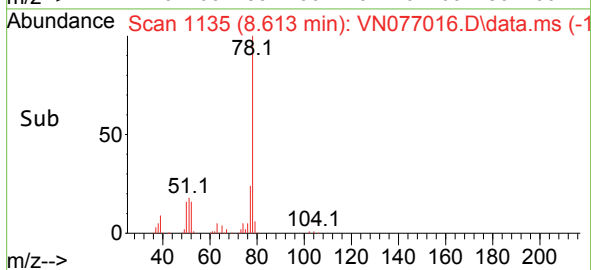
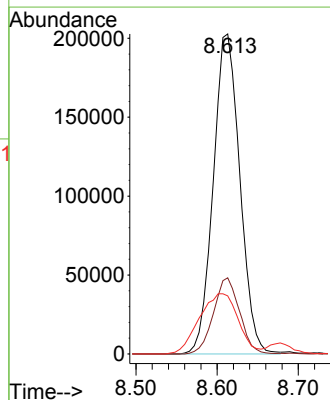
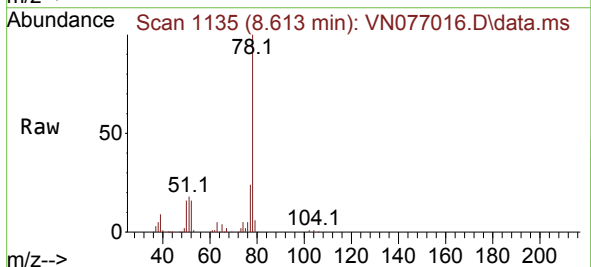
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

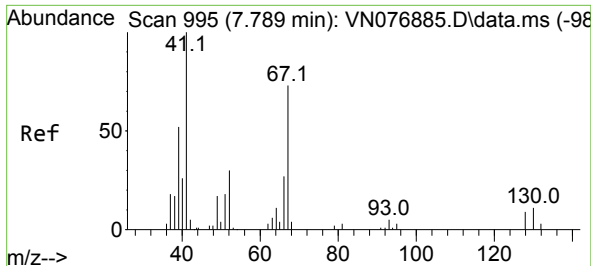
Tgt Ion:117	Resp: 149592		
Ion Ratio	Lower	Upper	
117	100		
119	91.8	79.8	119.8
121	29.0	23.4	35.0



#34
Benzene
Concen: 20.634 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 78	Resp: 462348
Ion Ratio	Lower Upper
78 100	
77 23.8	17.4 26.2
51 16.7	13.8 20.6

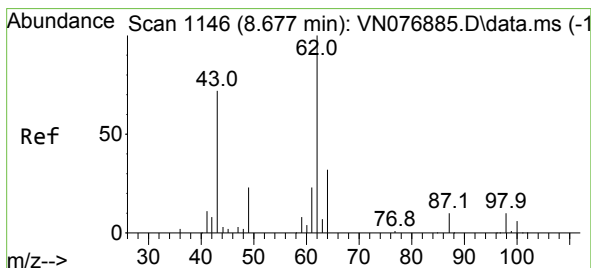
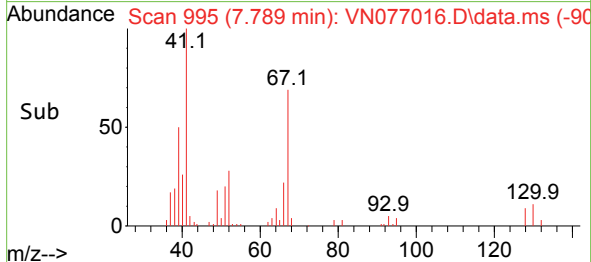
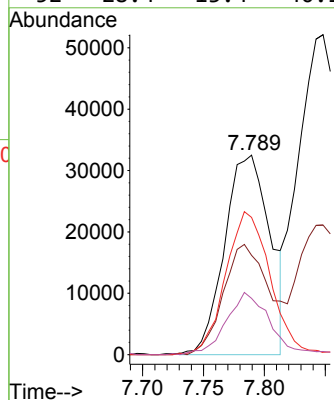
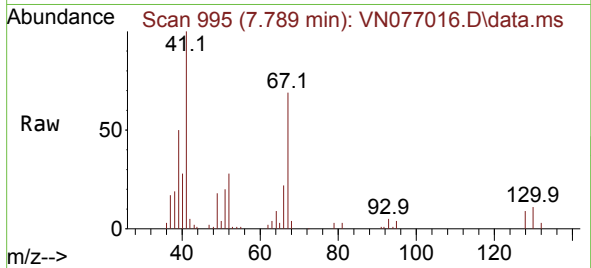




#35
Methacrylonitrile
Concen: 22.507 ug/l
RT: 7.789 min Scan# 995
Delta R.T. 0.005 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

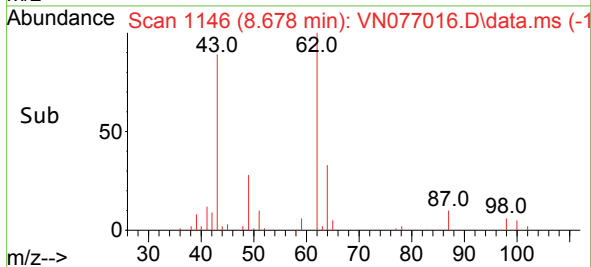
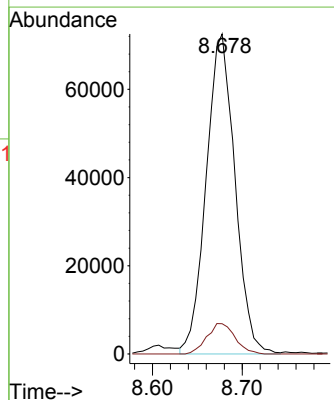
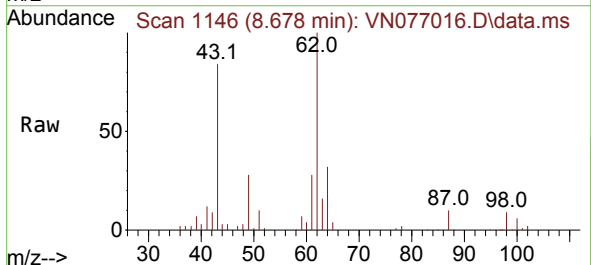
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

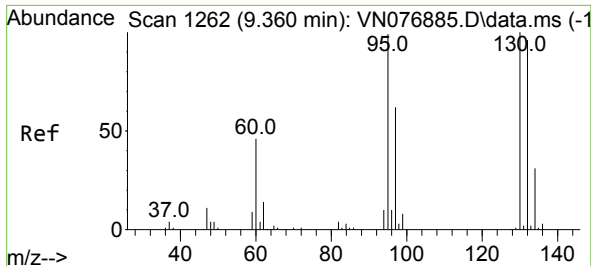
Tgt Ion:	41	Resp:	84448
Ion	Ratio	Lower	Upper
41	100		
39	49.2	26.6	79.7
67	68.6	32.3	96.9
52	28.4	13.4	40.1



#36
1,2-Dichloroethane
Concen: 21.499 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion:	62	Resp:	161464
Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.0





#37

Trichloroethene

Concen: 18.047 ug/l

RT: 9.360 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

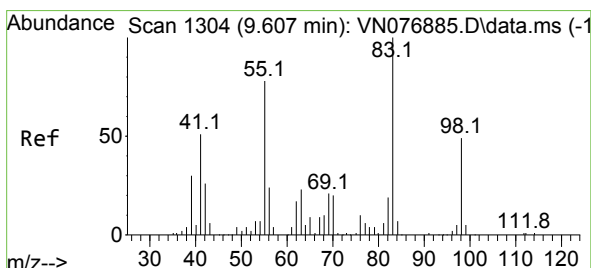
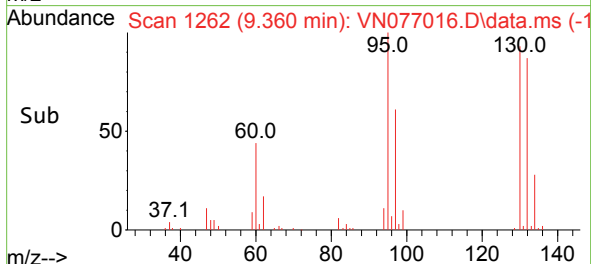
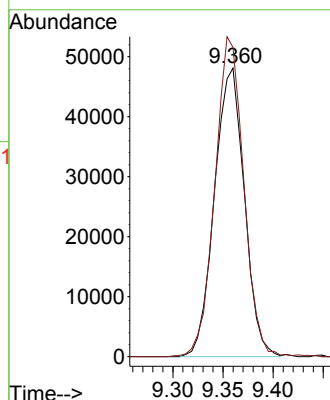
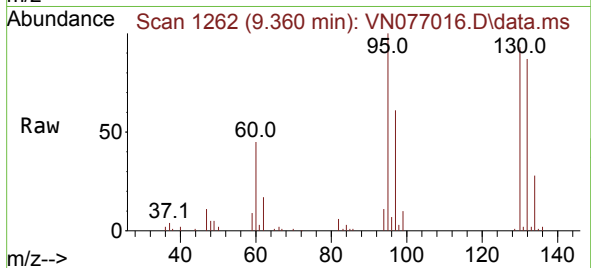
VN0316WBS02

Tgt Ion:130 Resp: 99666

Ion Ratio Lower Upper

130 100

95 106.8 78.7 118.1



#38

Methylcyclohexane

Concen: 20.345 ug/l

RT: 9.601 min Scan# 1303

Delta R.T. -0.006 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

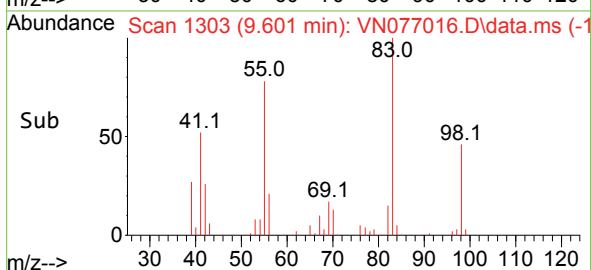
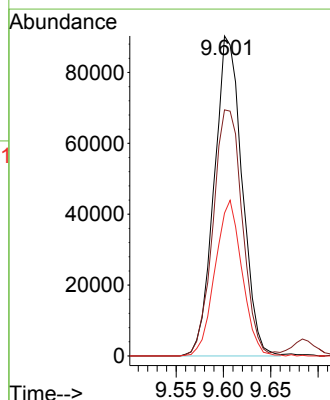
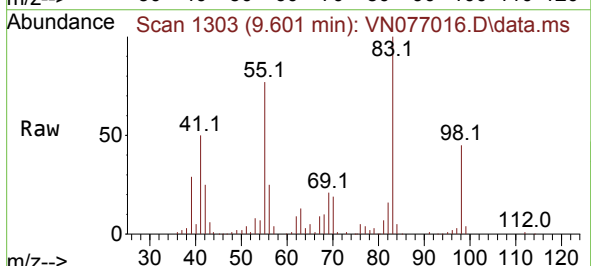
Tgt Ion: 83 Resp: 185087

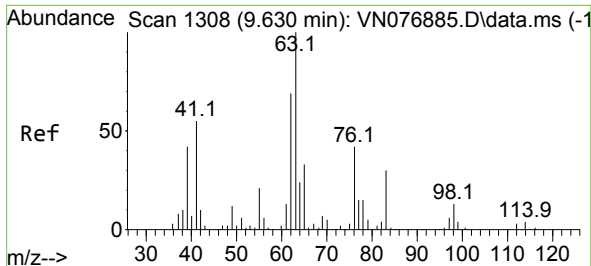
Ion Ratio Lower Upper

83 100

55 80.7 37.6 112.9

98 47.1 24.1 72.4





#39

1,2-Dichloropropane

Concen: 21.080 ug/l

RT: 9.625 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

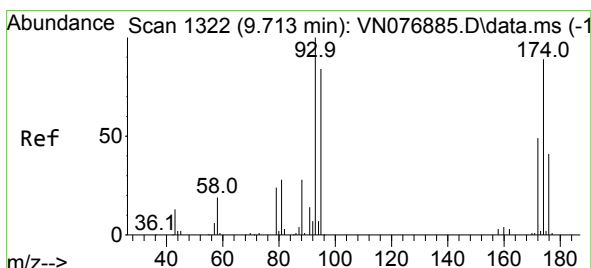
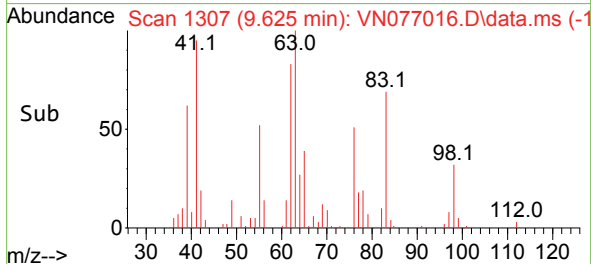
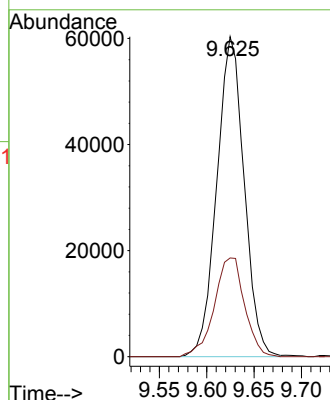
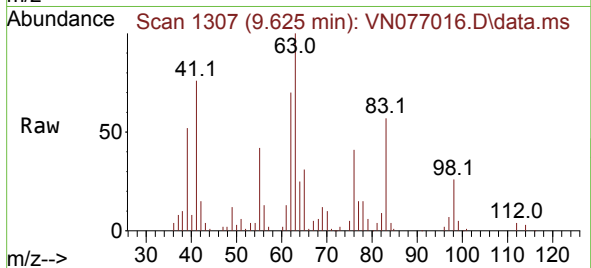
VN0316WBS02

Tgt Ion: 63 Resp: 121358

Ion Ratio Lower Upper

63 100

65 30.9 27.2 40.8



#40

Dibromomethane

Concen: 20.076 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

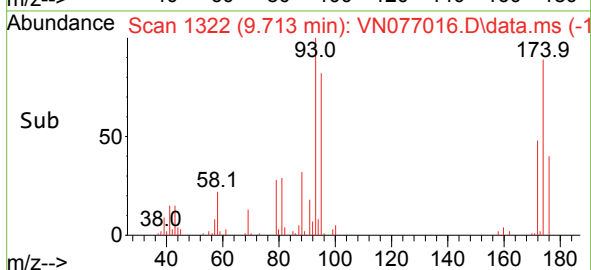
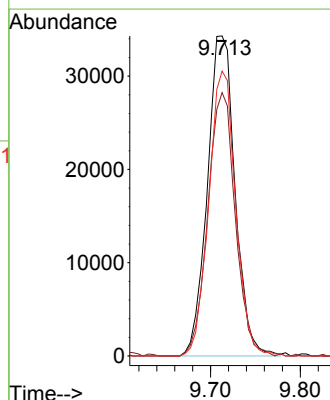
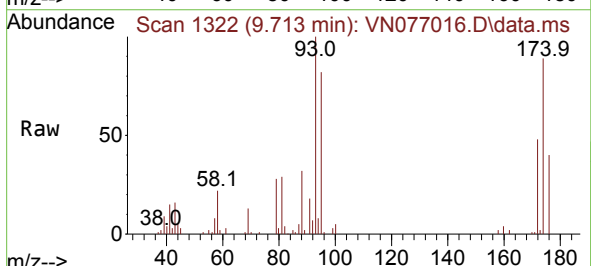
Tgt Ion: 93 Resp: 73634

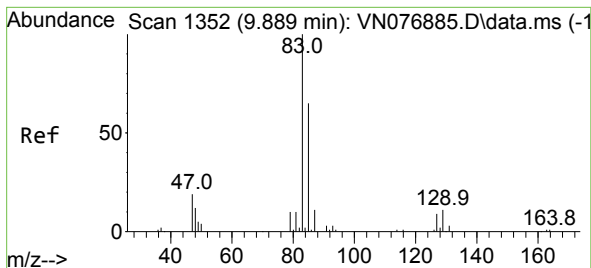
Ion Ratio Lower Upper

93 100

95 81.7 0.0 158.0

174 86.3 0.0 171.2





#41

Bromodichloromethane

Concen: 20.725 ug/l

RT: 9.889 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS02

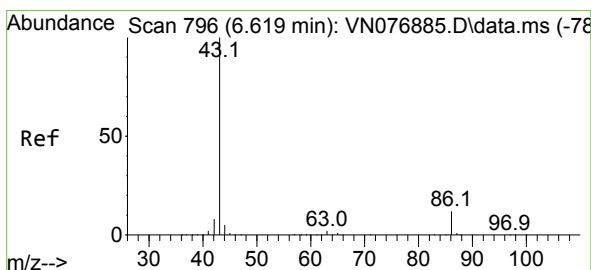
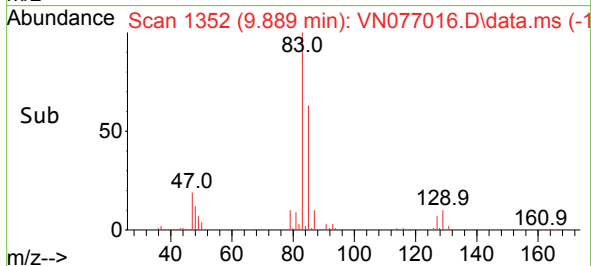
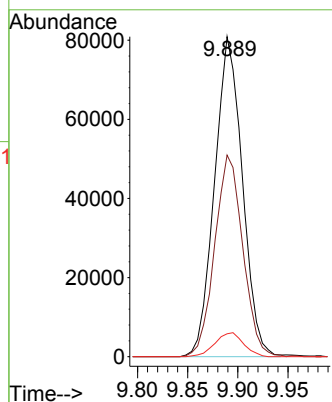
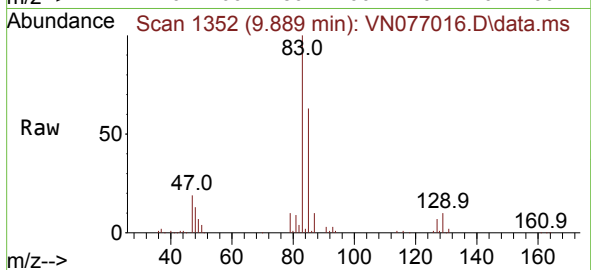
Tgt Ion: 83 Resp: 155777

Ion Ratio Lower Upper

83 100

85 63.0 51.0 76.4

127 7.1 6.2 9.2



#42

Vinyl Acetate

Concen: 116.439 ug/l

RT: 6.613 min Scan# 795

Delta R.T. 0.000 min

Lab File: VN077016.D

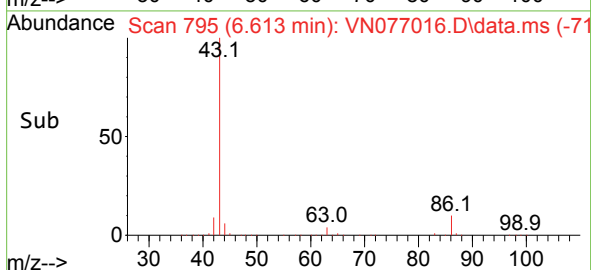
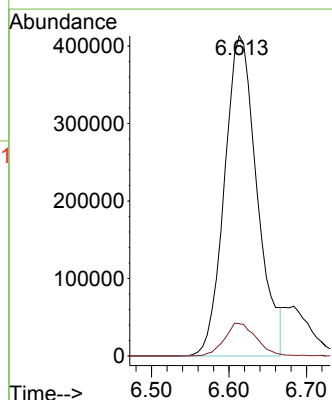
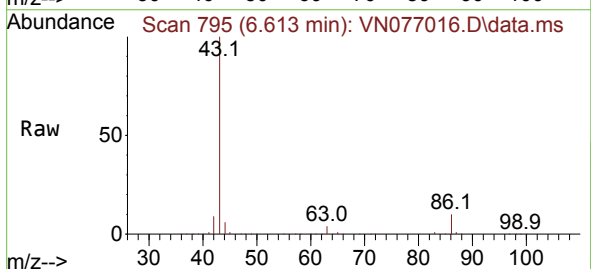
Acq: 16 Mar 2023 12:31

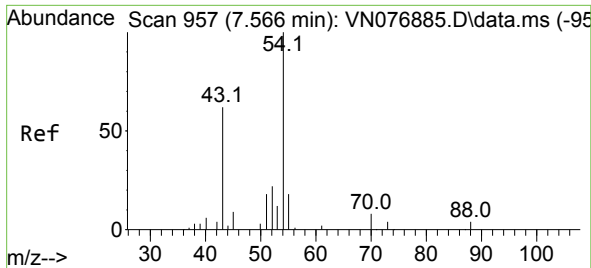
Tgt Ion: 43 Resp: 1210286

Ion Ratio Lower Upper

43 100

86 10.0 7.8 11.6

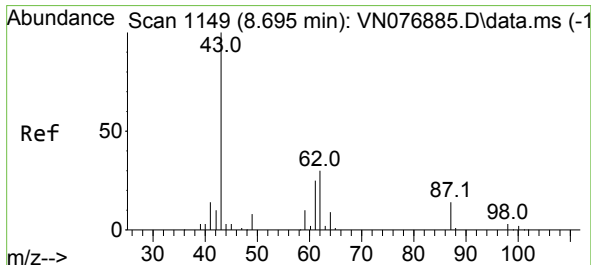
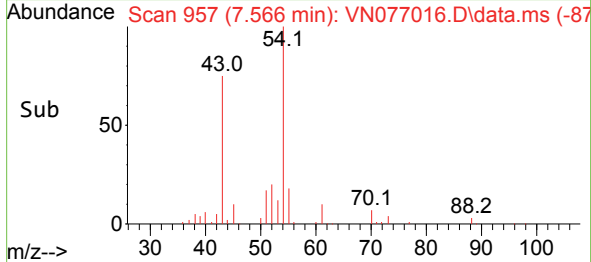
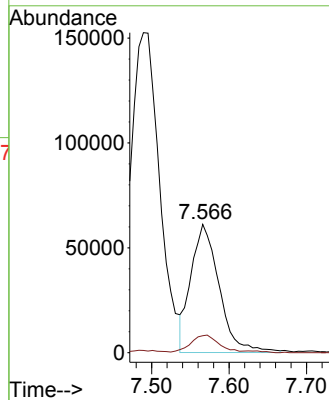
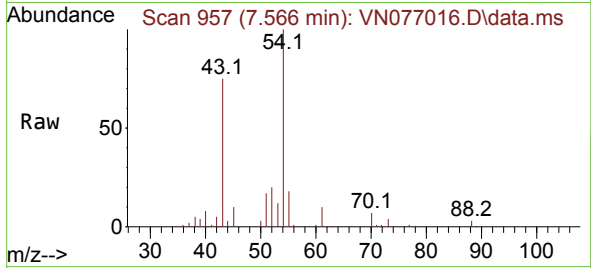




#43
Ethyl Acetate
Concen: 23.005 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

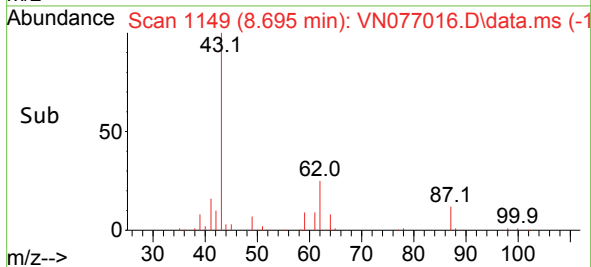
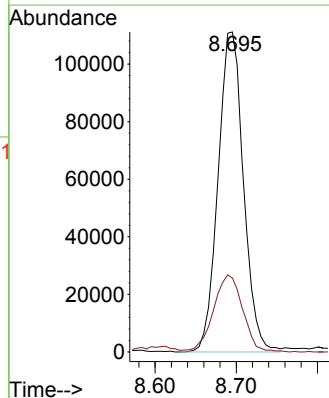
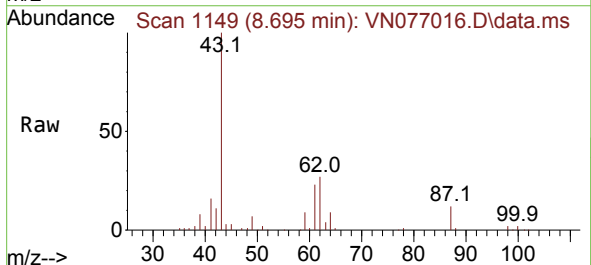
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

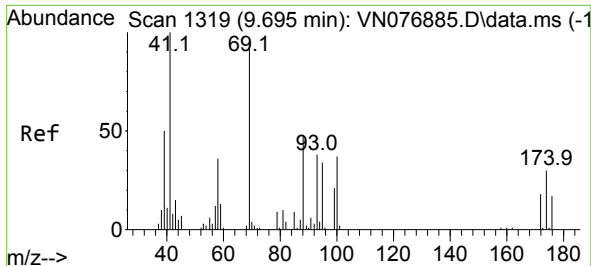
Tgt Ion: 43 Resp: 154782
Ion Ratio Lower Upper
43 100
45 12.5 11.2 16.8



#44
Isopropyl Acetate
Concen: 22.159 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 43 Resp: 241686
Ion Ratio Lower Upper
43 100
61 27.7 19.5 29.3

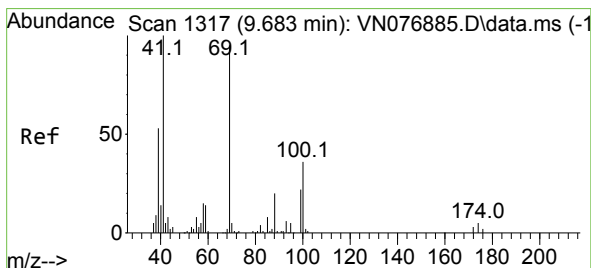
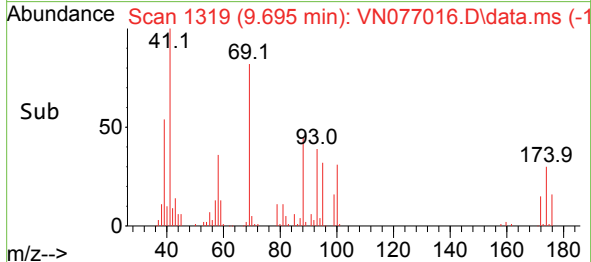
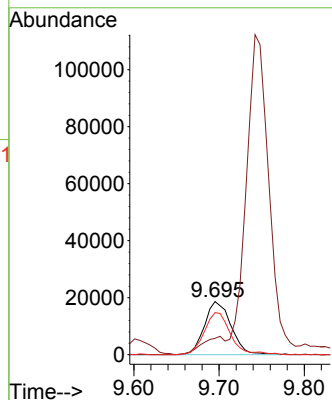
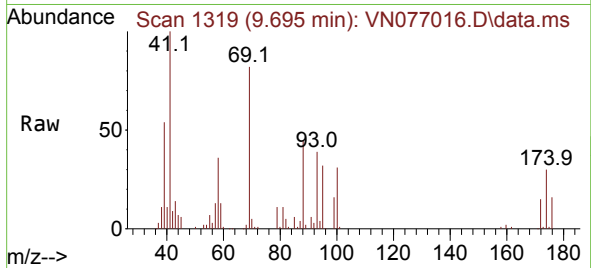




#45
1,4-Dioxane
Concen: 441.282 ug/l
RT: 9.695 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

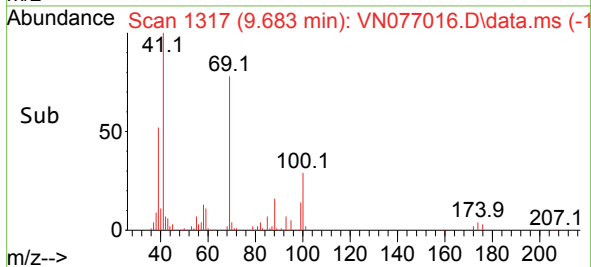
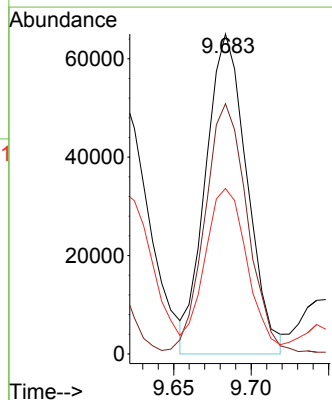
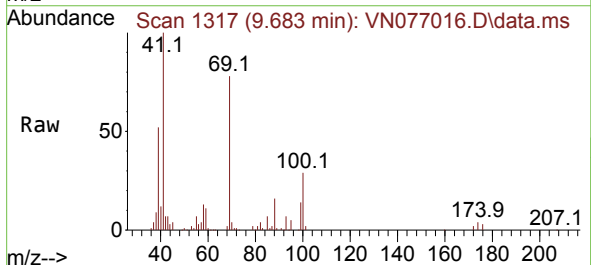
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

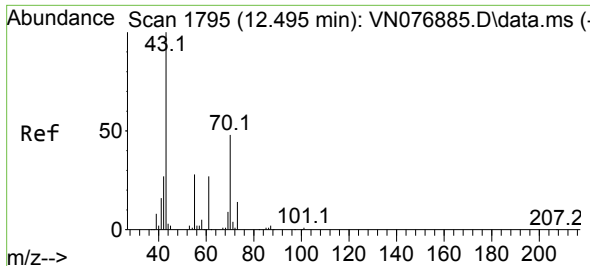
Tgt Ion: 88 Resp: 40490
Ion Ratio Lower Upper
88 100
43 29.1 26.0 39.0
58 75.8 54.3 81.5



#46
Methyl methacrylate
Concen: 22.697 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 41 Resp: 120554
Ion Ratio Lower Upper
41 100
69 80.6 40.6 121.7
39 52.0 30.5 91.5

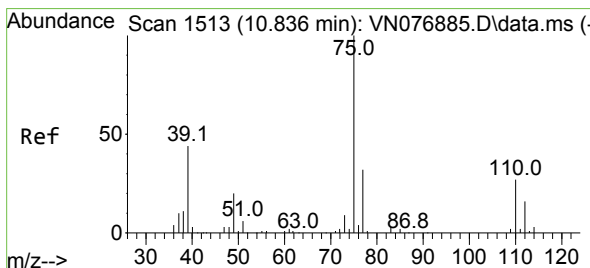
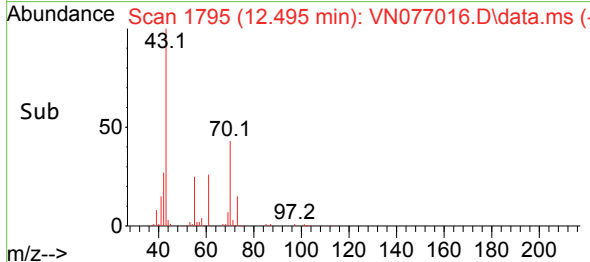
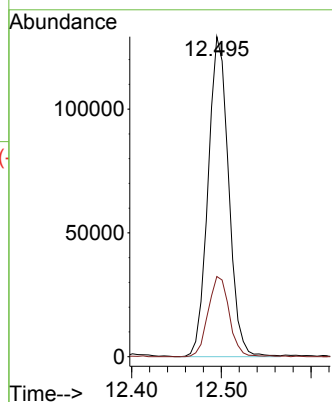
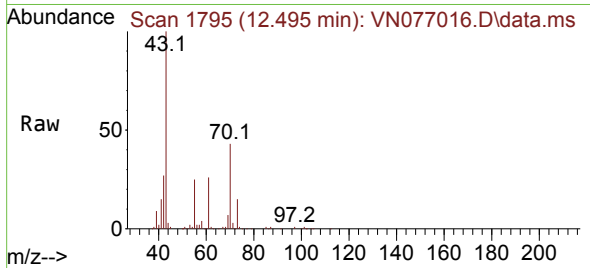




#47
n-amyl acetate
Concen: 23.171 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

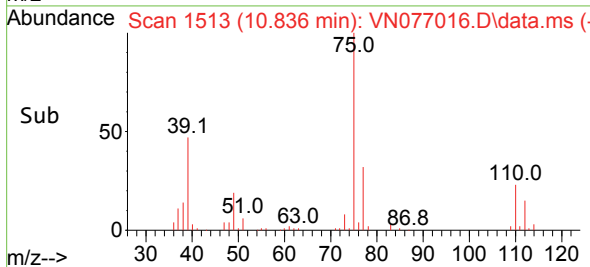
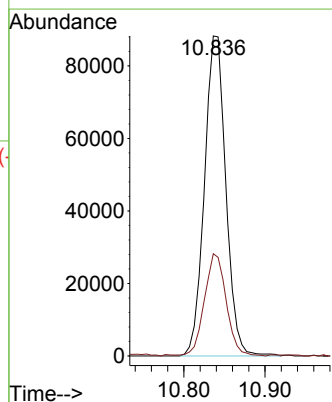
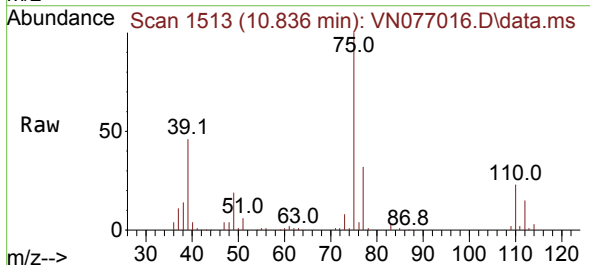
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

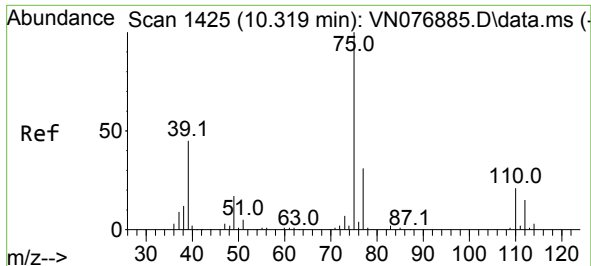
Tgt Ion: 43 Resp: 205667
Ion Ratio Lower Upper
43 100
55 25.6 18.3 27.5



#48
t-1,3-Dichloropropene
Concen: 21.498 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 75 Resp: 161847
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

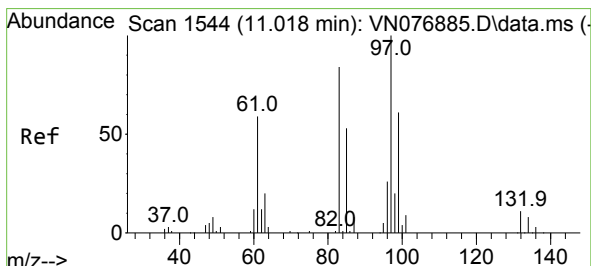
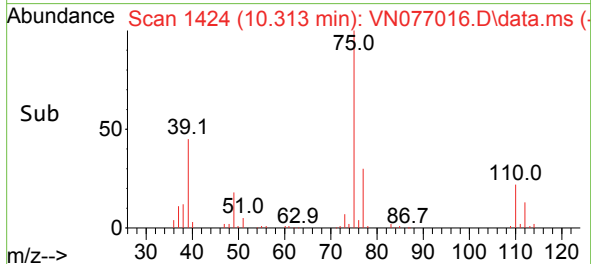
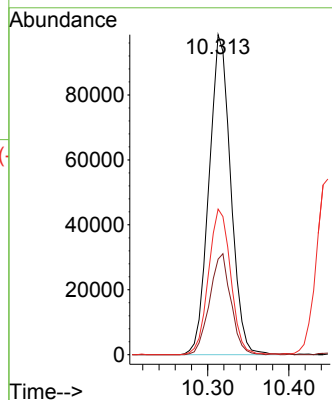
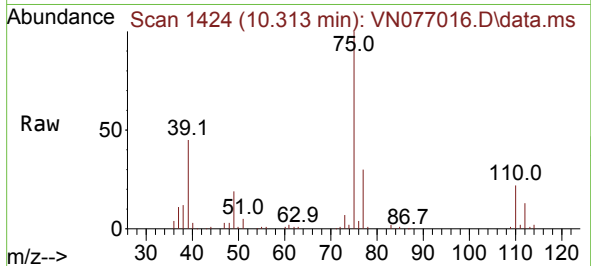




#49
cis-1,3-Dichloropropene
Concen: 21.406 ug/l
RT: 10.313 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

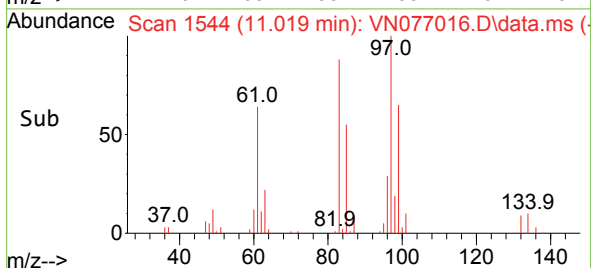
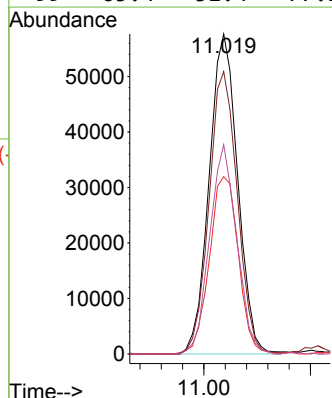
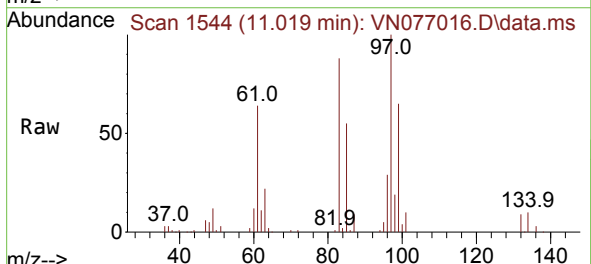
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

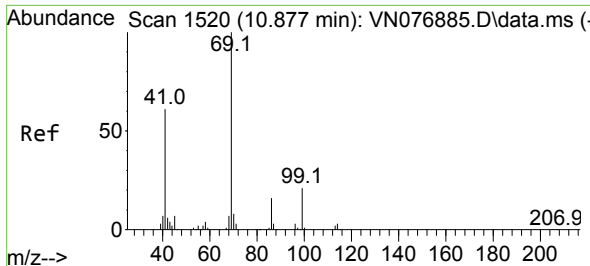
Tgt Ion: 75 Resp: 183040
Ion Ratio Lower Upper
75 100
77 29.9 27.5 41.3
39 45.5 43.5 65.3



#50
1,1,2-Trichloroethane
Concen: 19.961 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 97 Resp: 107253
Ion Ratio Lower Upper
97 100
83 87.9 71.0 106.4
85 55.4 45.5 68.3
99 65.4 51.4 77.2

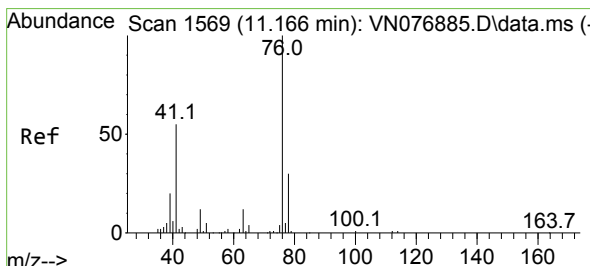
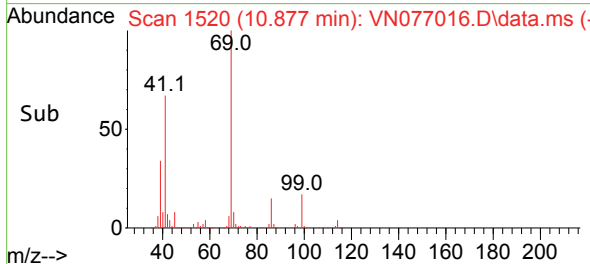
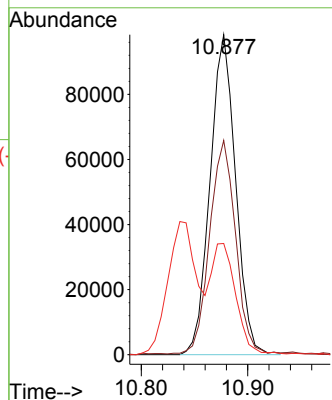
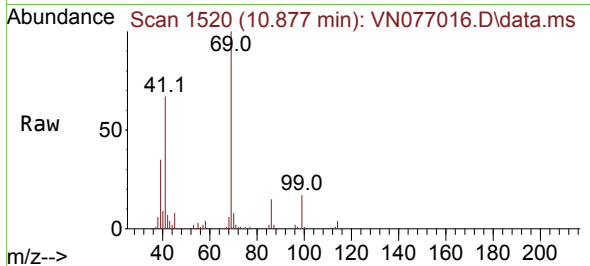




#51
Ethyl methacrylate
Concen: 20.733 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

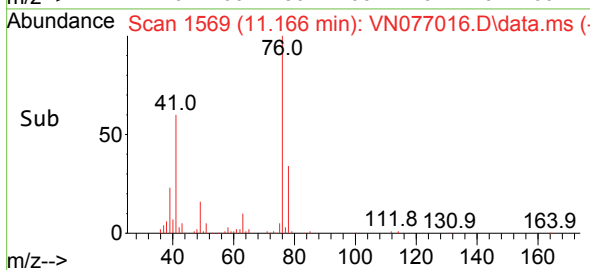
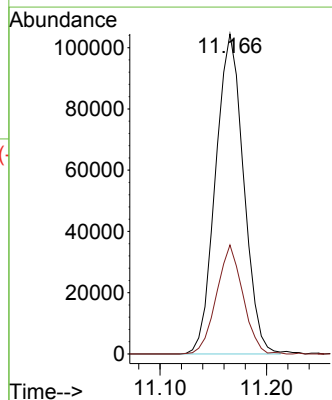
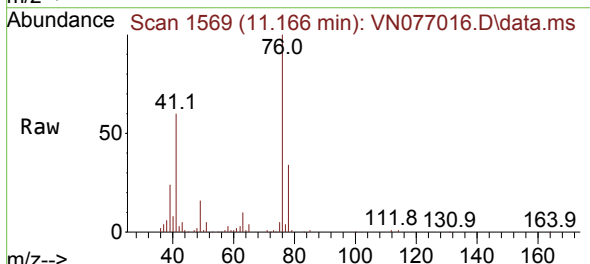
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

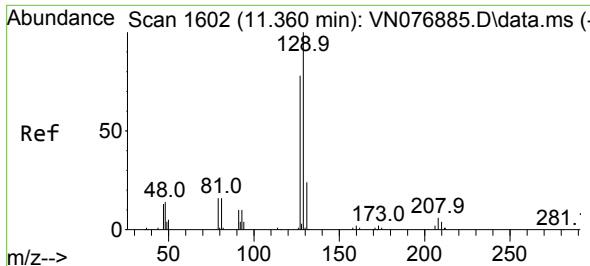
Tgt Ion: 69 Resp: 164229
Ion Ratio Lower Upper
69 100
41 66.5 36.3 108.7
39 34.3 19.9 59.7



#52
1,3-Dichloropropane
Concen: 20.580 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 76 Resp: 190994
Ion Ratio Lower Upper
76 100
78 31.8 0.0 65.4

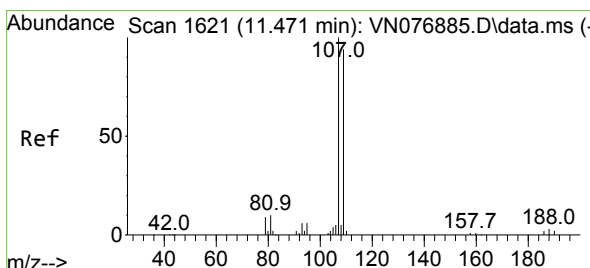
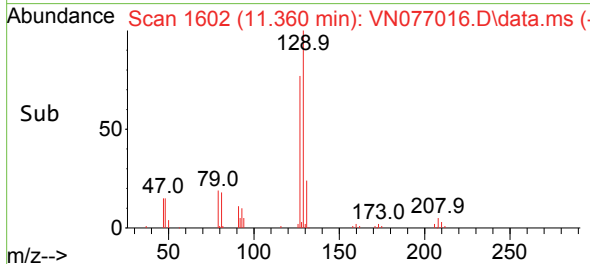
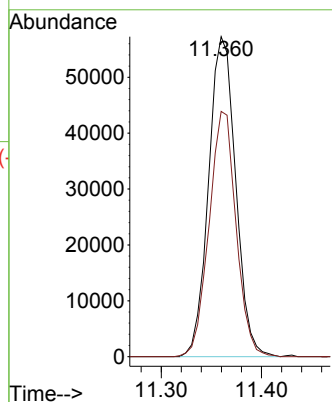
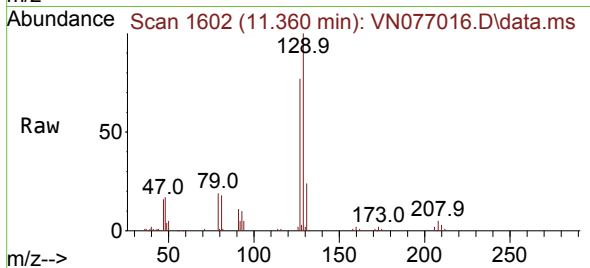




#53
Dibromochloromethane
Concen: 19.603 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

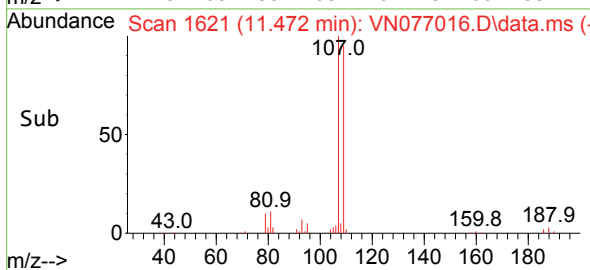
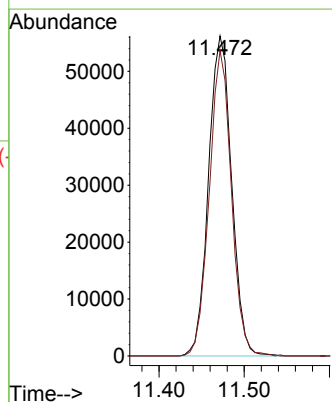
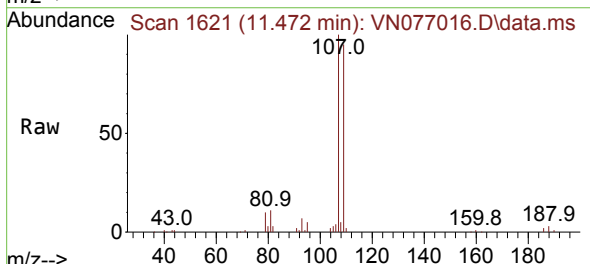
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

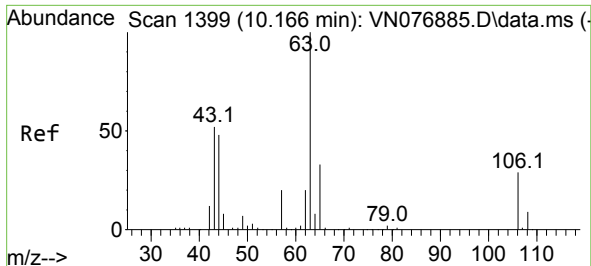
Tgt Ion:129 Resp: 107453
Ion Ratio Lower Upper
129 100
127 76.5 39.4 118.1



#54
1,2-Dibromoethane
Concen: 20.396 ug/l
RT: 11.472 min Scan# 1621
Delta R.T. 0.001 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion:107 Resp: 105754
Ion Ratio Lower Upper
107 100
109 91.3 74.6 112.0

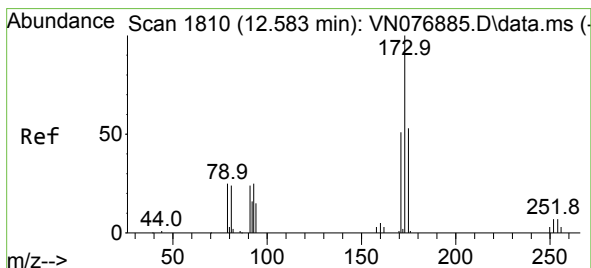
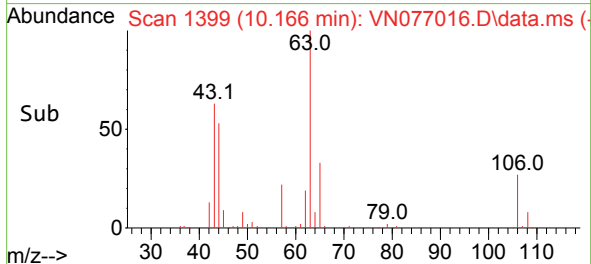
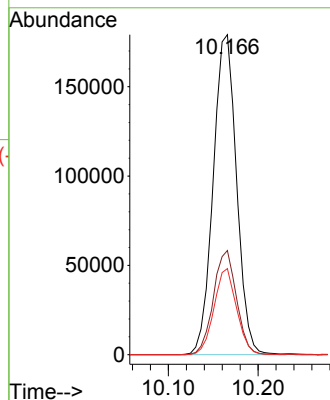
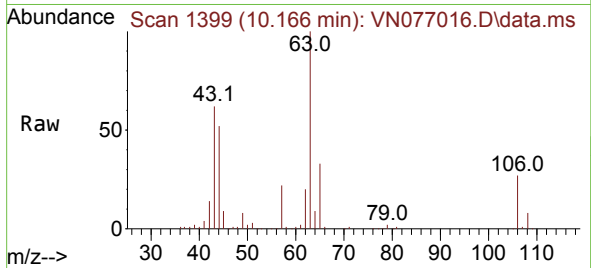




#55
2-Chloroethyl vinyl ether
Concen: 116.694 ug/l
RT: 10.166 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

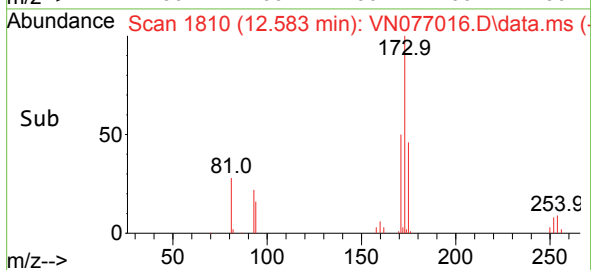
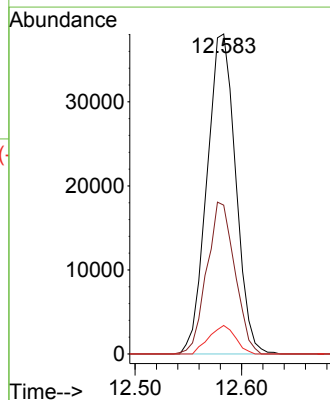
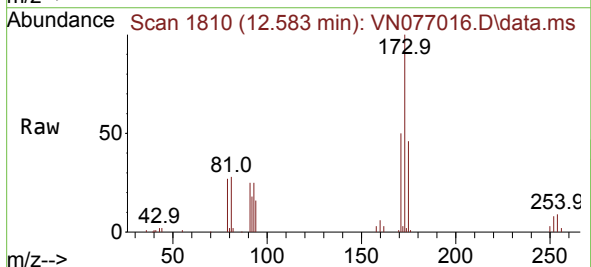
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

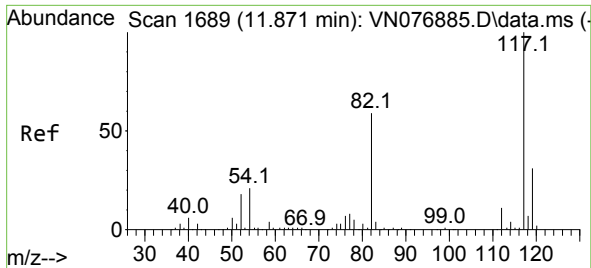
Tgt Ion: 63 Resp: 324091
Ion Ratio Lower Upper
63 100
65 32.2 26.3 39.5
106 26.1 21.6 32.4



#56
Bromoform
Concen: 19.446 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 173 Resp: 71312
Ion Ratio Lower Upper
173 100
175 46.3 37.8 56.6
254 8.2 7.3 10.9

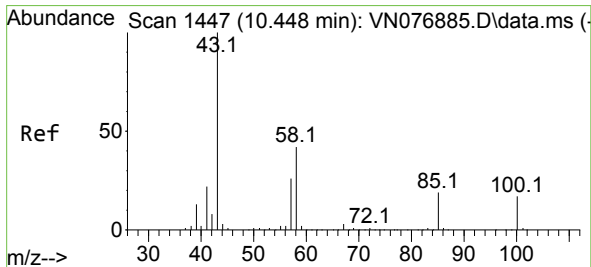
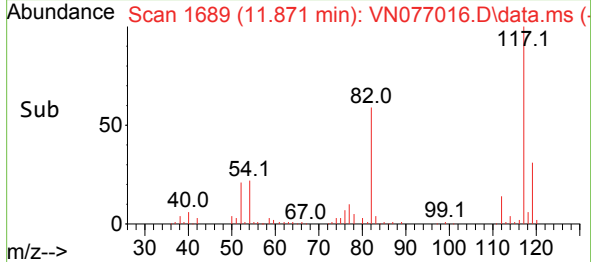
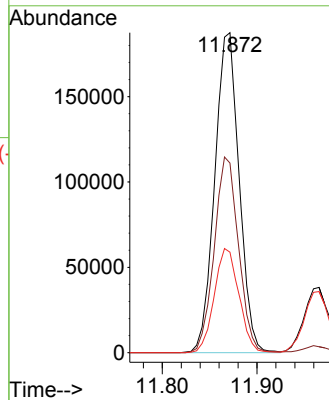
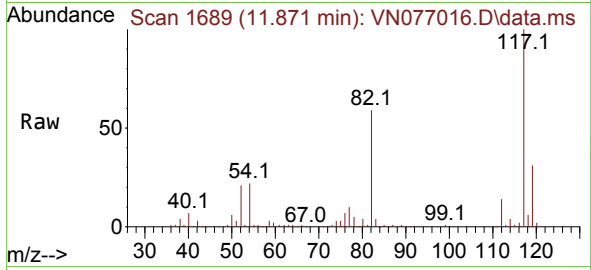




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

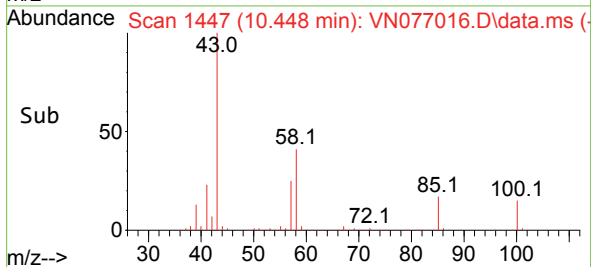
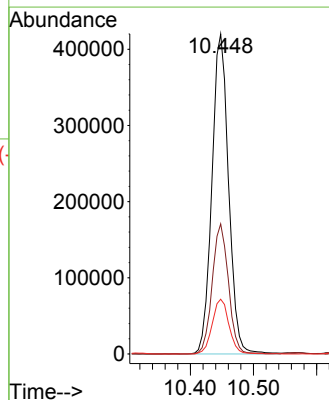
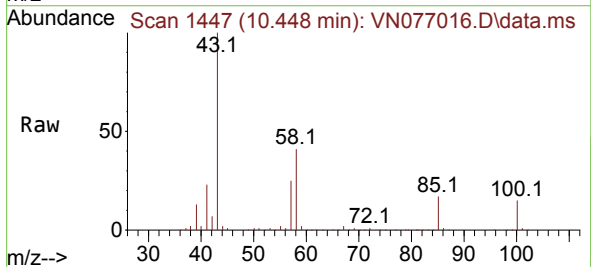
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

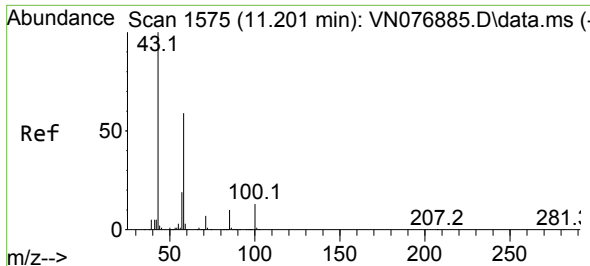
Tgt Ion:117 Resp: 335636
Ion Ratio Lower Upper
117 100
82 61.0 45.4 68.0
119 33.0 26.8 40.2



#58
4-Methyl-2-Pentanone
Concen: 113.607 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 43 Resp: 770288
Ion Ratio Lower Upper
43 100
58 39.6 28.6 42.8
85 17.2 11.8 17.8

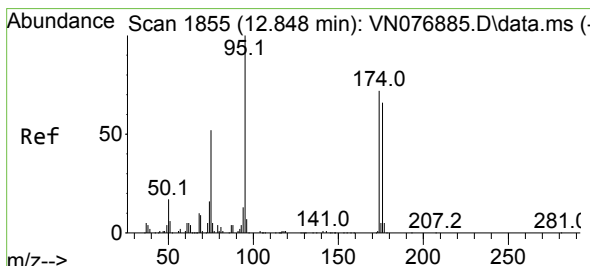
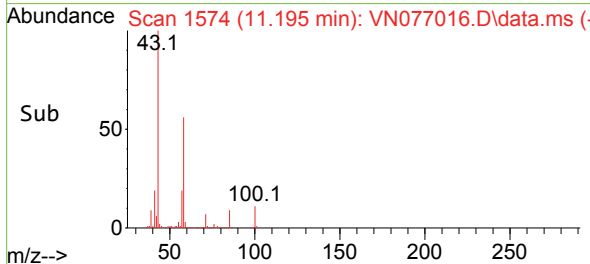
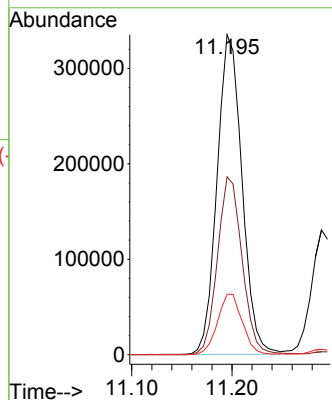
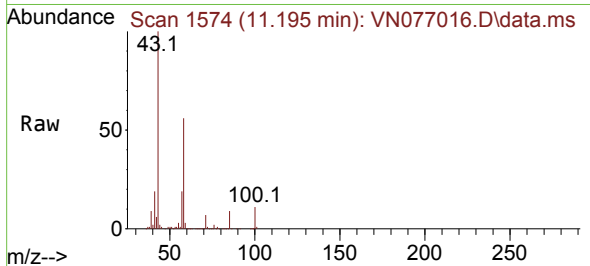




#59
2-Hexanone
Concen: 120.235 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

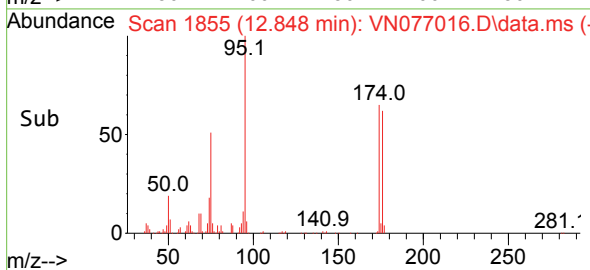
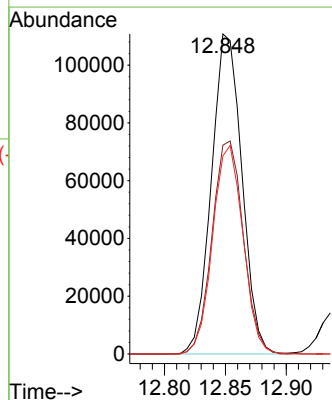
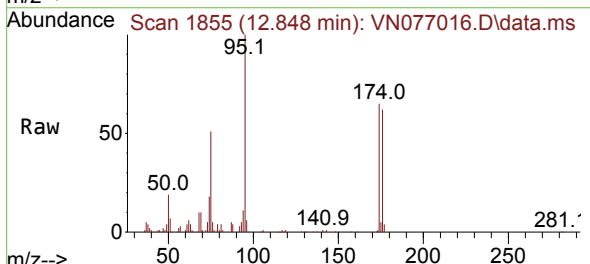
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

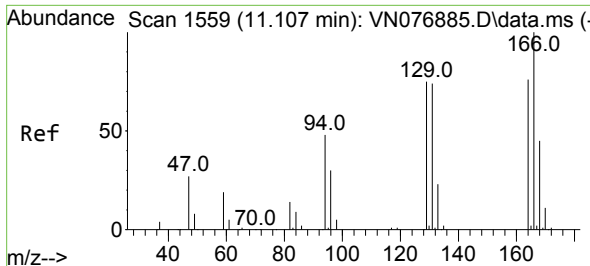
Tgt Ion: 43 Resp: 579119
Ion Ratio Lower Upper
43 100
58 55.0 40.6 60.8
57 18.8 13.1 19.7



#60
4-Bromofluorobenzene
Concen: 30.348 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 95 Resp: 192782
Ion Ratio Lower Upper
95 100
174 68.2 64.2 96.4
176 64.9 61.4 92.0

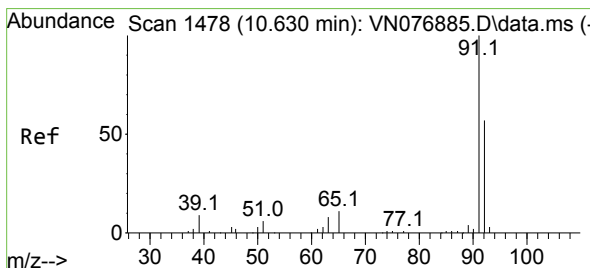
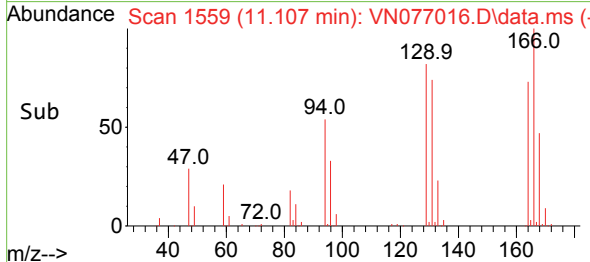
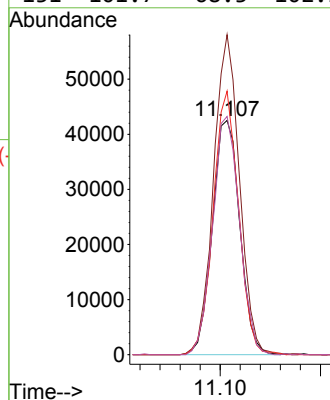
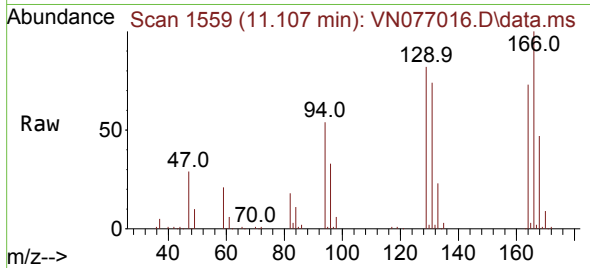




#61
Tetrachloroethene
Concen: 15.217 ug/l
RT: 11.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

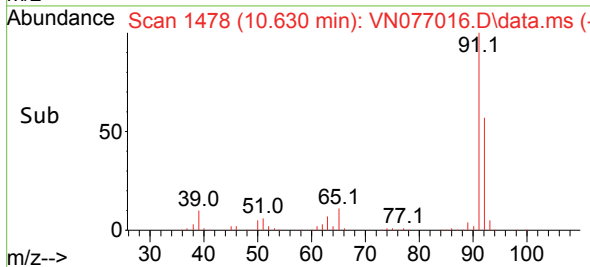
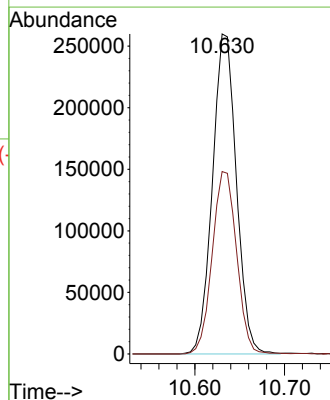
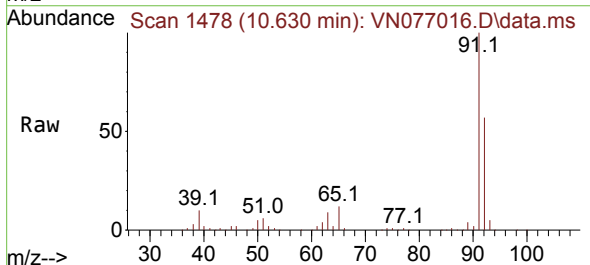
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

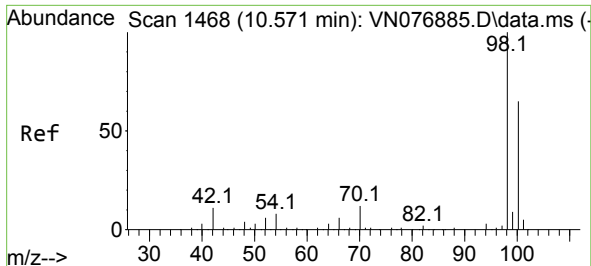
Tgt Ion:164 Resp: 80628
Ion Ratio Lower Upper
164 100
166 136.6 96.2 144.2
129 112.5 78.2 117.4
131 101.7 68.3 102.5



#62
Toluene
Concen: 20.839 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 91 Resp: 481963
Ion Ratio Lower Upper
91 100
92 57.9 46.3 69.5

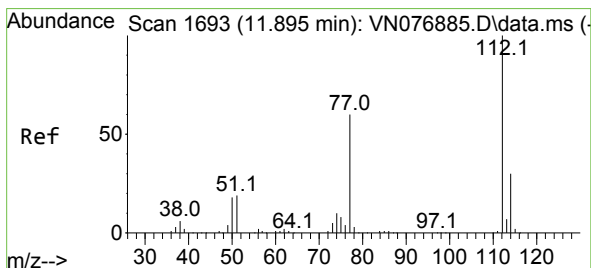
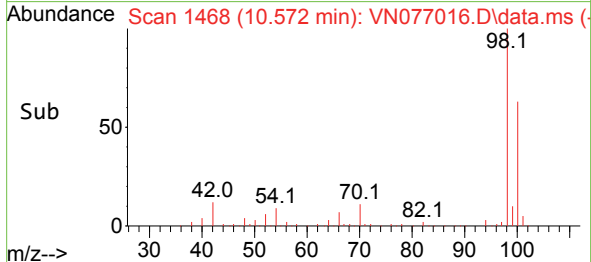
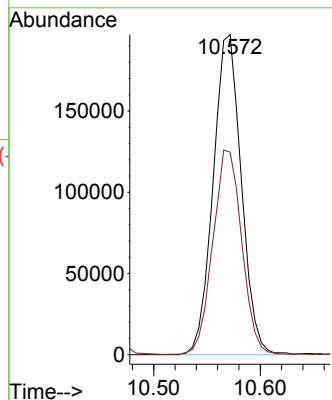
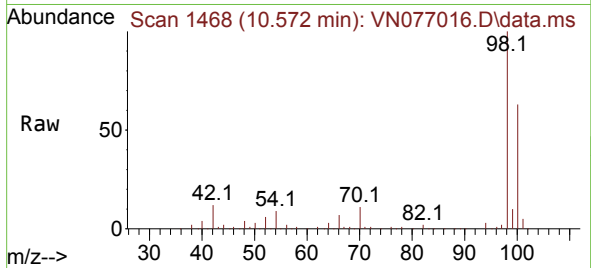




#63
Toluene-d8
Concen: 30.571 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

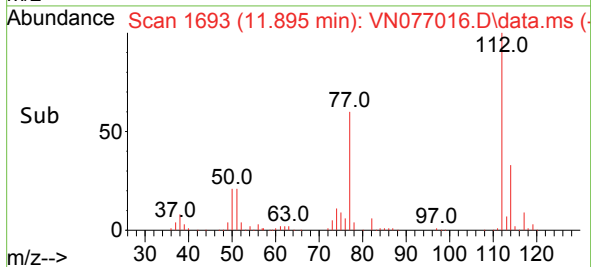
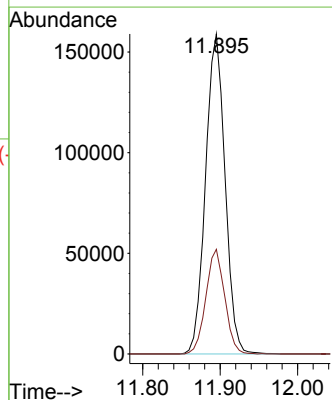
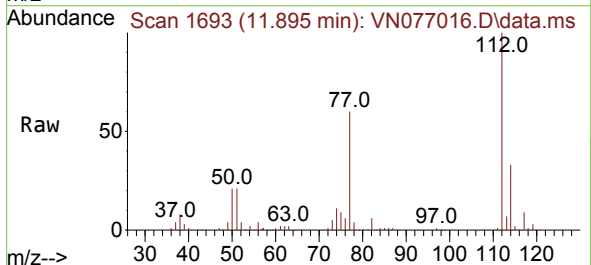
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

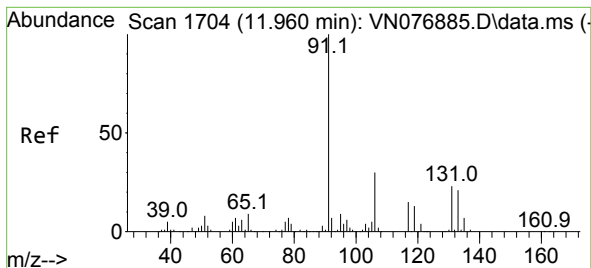
Tgt Ion: 98 Resp: 360891
Ion Ratio Lower Upper
98 100
100 65.8 53.8 80.6



#64
Chlorobenzene
Concen: 20.421 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 112 Resp: 278011
Ion Ratio Lower Upper
112 100
114 32.7 24.5 36.7





#65

1,1,1,2-Tetrachloroethane

Concen: 19.903 ug/l

RT: 11.966 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS02

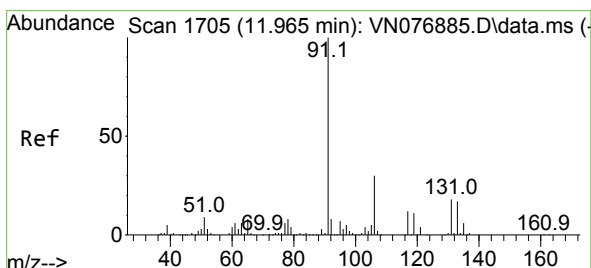
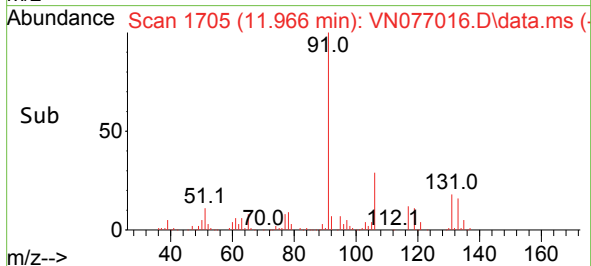
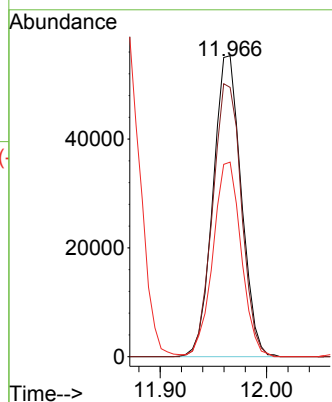
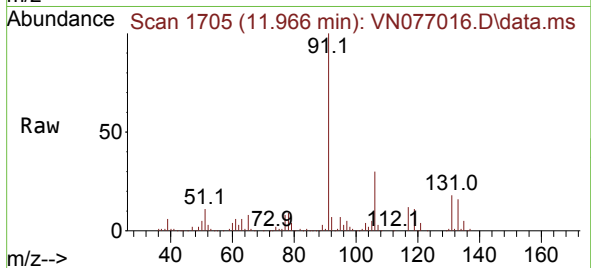
Tgt Ion:131 Resp: 101769

Ion Ratio Lower Upper

131 100

133 92.8 0.0 197.6

119 64.7 0.0 127.8



#66

Ethyl Benzene

Concen: 20.713 ug/l

RT: 11.966 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VN077016.D

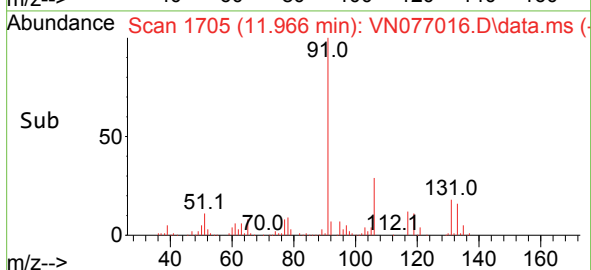
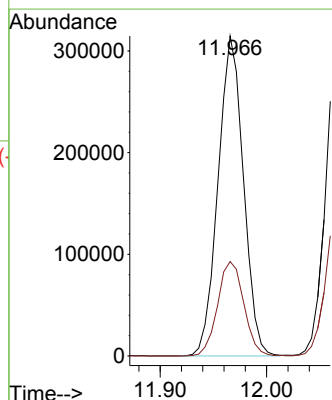
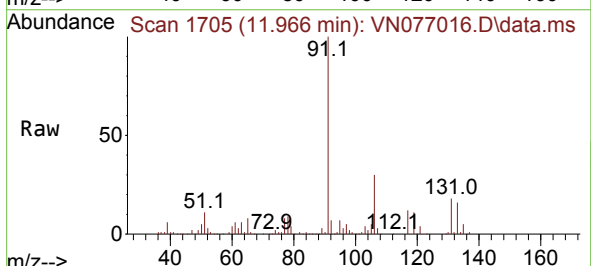
Acq: 16 Mar 2023 12:31

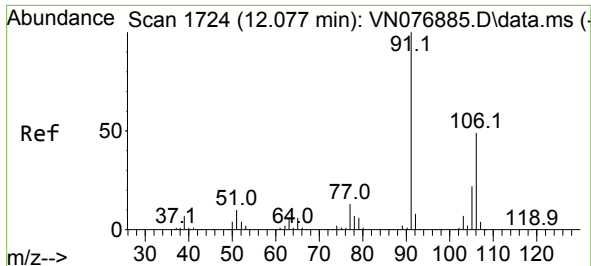
Tgt Ion: 91 Resp: 520095

Ion Ratio Lower Upper

91 100

106 29.5 23.8 35.8





#67

m/p-Xylenes

Concen: 42.237 ug/l

RT: 12.072 min Scan# 1723

Delta R.T. 0.001 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

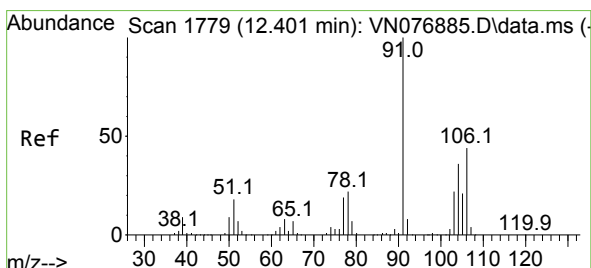
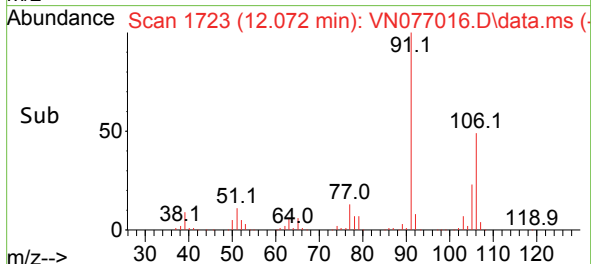
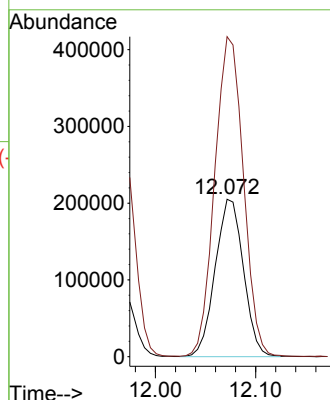
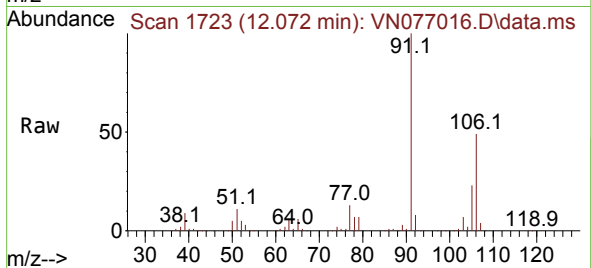
VN0316WBS02

Tgt Ion:106 Resp: 401730

Ion Ratio Lower Upper

106 100

91 206.7 157.4 236.2



#68

o-Xylene

Concen: 21.043 ug/l

RT: 12.401 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VN077016.D

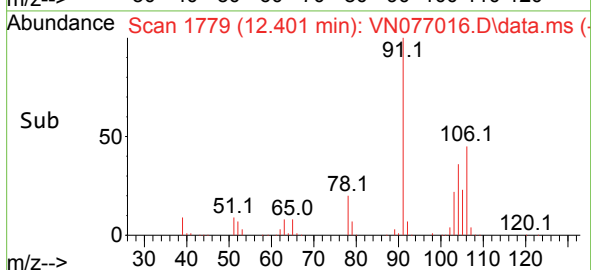
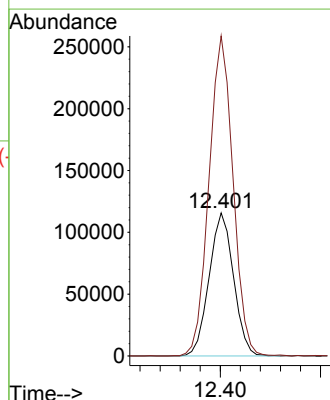
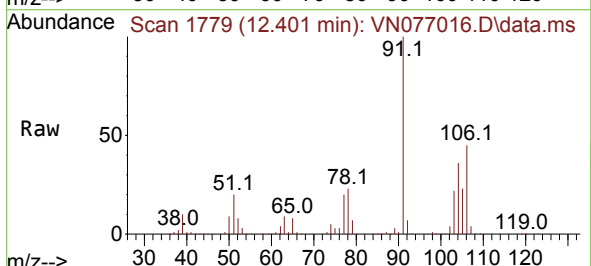
Acq: 16 Mar 2023 12:31

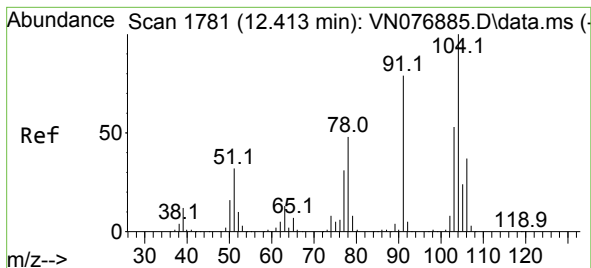
Tgt Ion:106 Resp: 195401

Ion Ratio Lower Upper

106 100

91 220.2 107.2 321.6





#69

Styrene

Concen: 20.857 ug/l

RT: 12.413 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS02

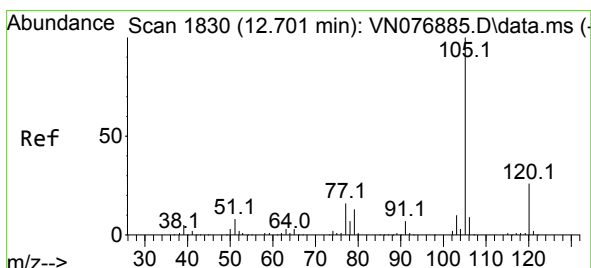
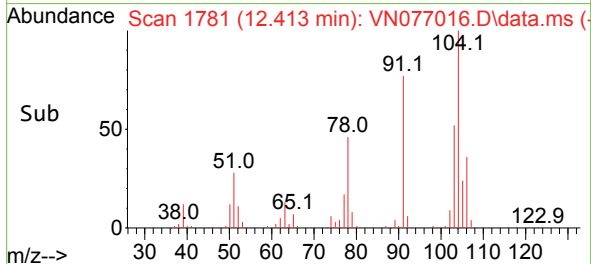
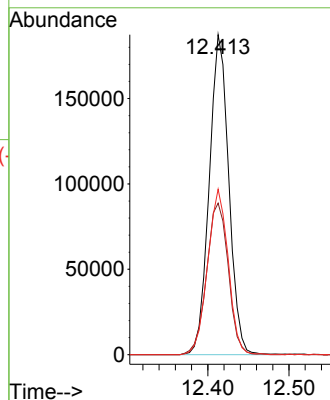
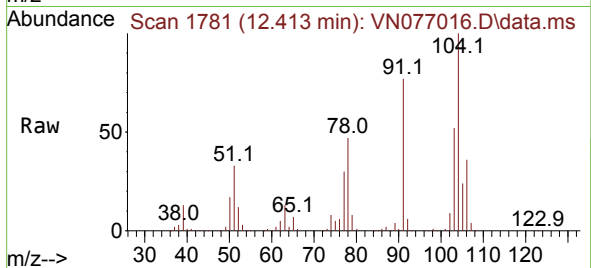
Tgt Ion:104 Resp: 314121

Ion Ratio Lower Upper

104 100

78 52.3 39.6 59.4

103 54.2 43.9 65.9



#70

Isopropylbenzene

Concen: 20.800 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN077016.D

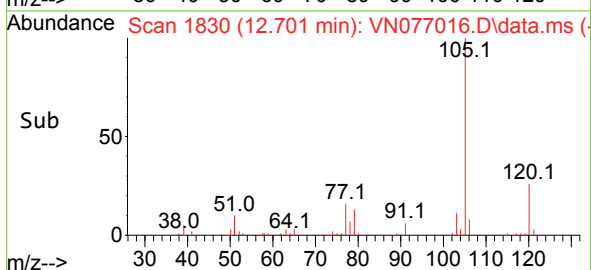
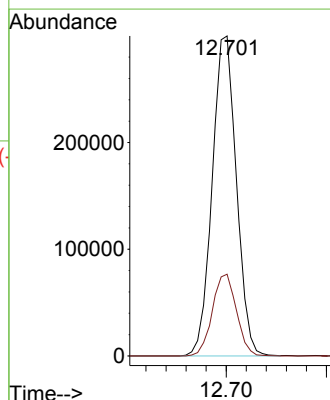
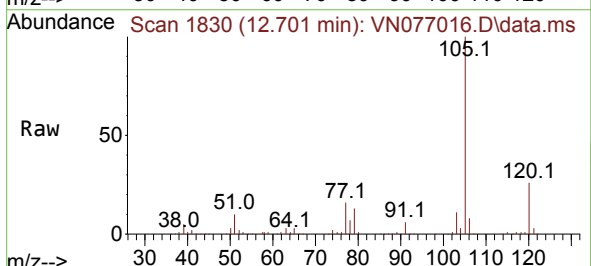
Acq: 16 Mar 2023 12:31

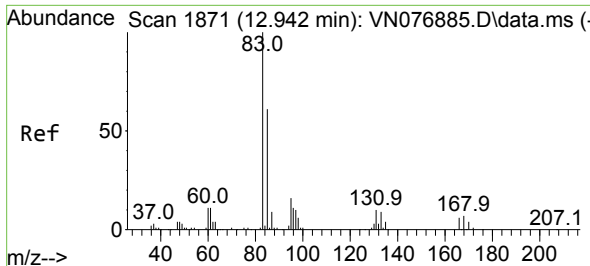
Tgt Ion:105 Resp: 502552

Ion Ratio Lower Upper

105 100

120 25.4 19.0 35.2

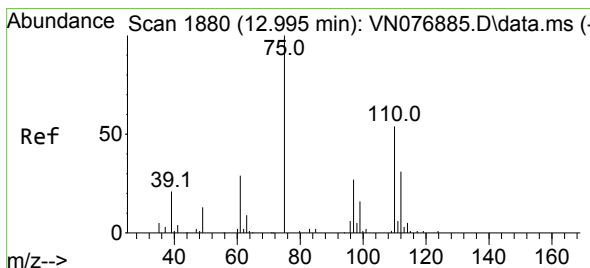
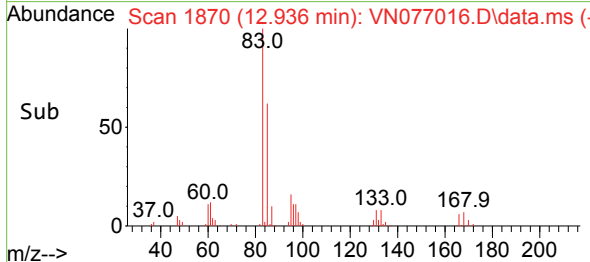
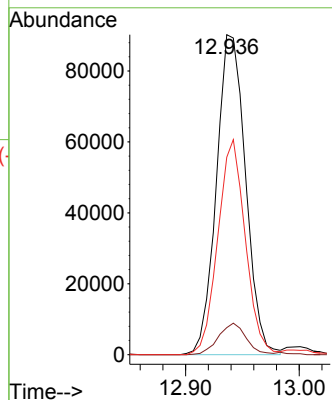
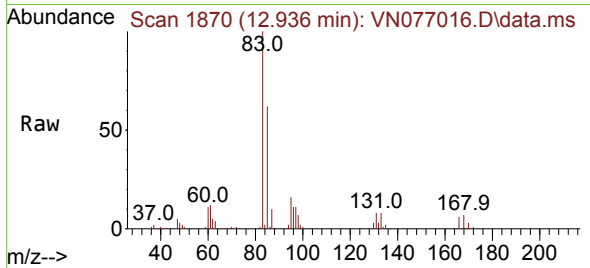




#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.147 ug/l
 RT: 12.936 min Scan# 1870
 Delta R.T. -0.006 min
 Lab File: VN077016.D
 Acq: 16 Mar 2023 12:31

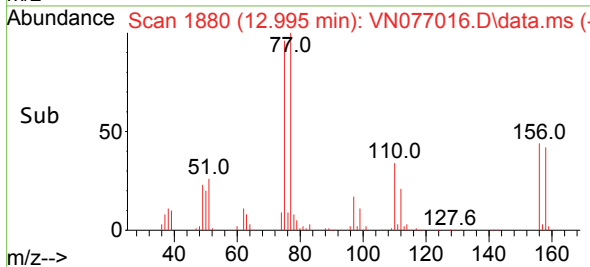
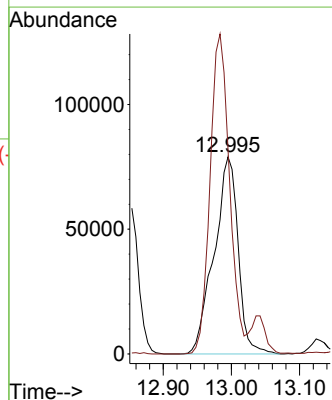
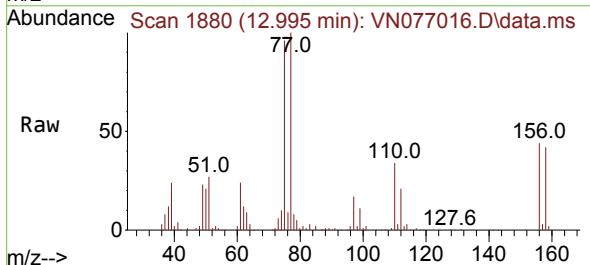
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS02

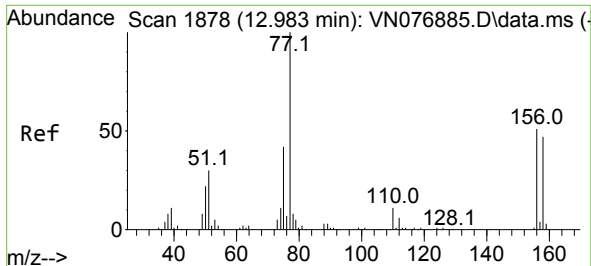
Tgt Ion: 83 Resp: 161340
 Ion Ratio Lower Upper
 83 100
 131 9.4 5.0 14.9
 85 63.3 32.3 96.9



#72
 1,2,3-Trichloropropane
 Concen: 28.998 ug/l
 RT: 12.995 min Scan# 1880
 Delta R.T. -0.000 min
 Lab File: VN077016.D
 Acq: 16 Mar 2023 12:31

Tgt Ion: 75 Resp: 193783
 Ion Ratio Lower Upper
 75 100
 77 131.3 0.0 332.6

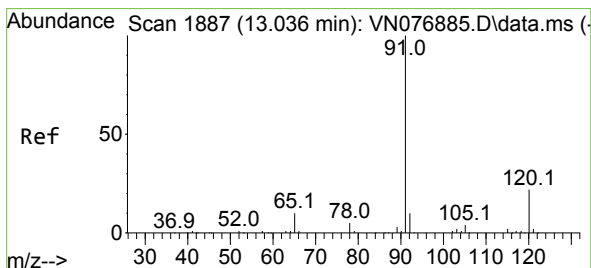
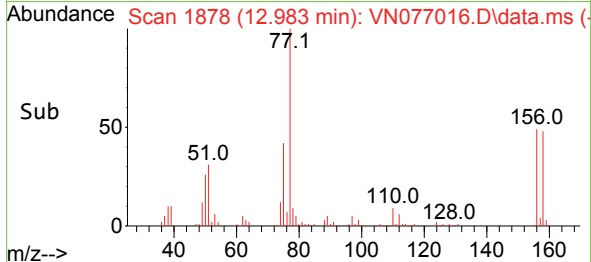
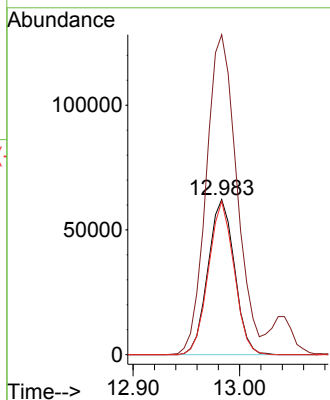
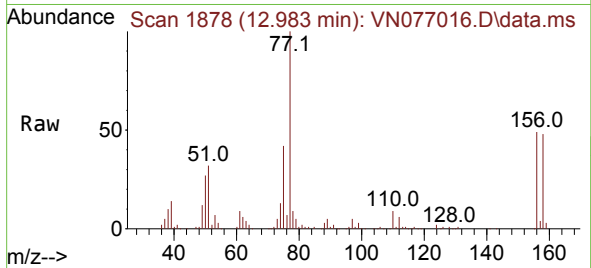




#73
Bromobenzene
Concen: 19.717 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

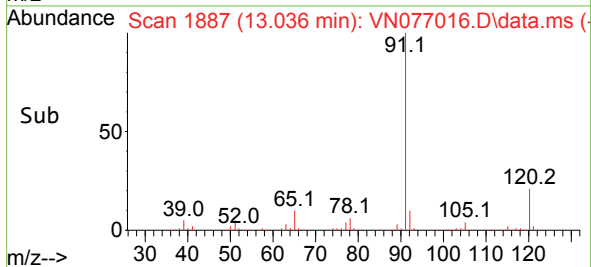
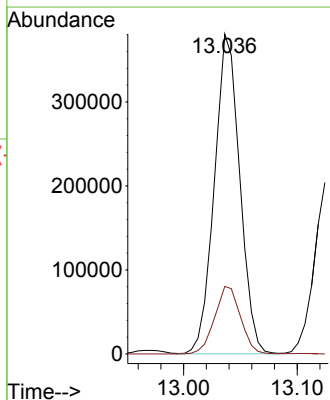
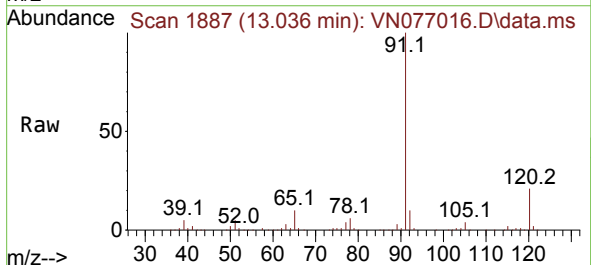
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

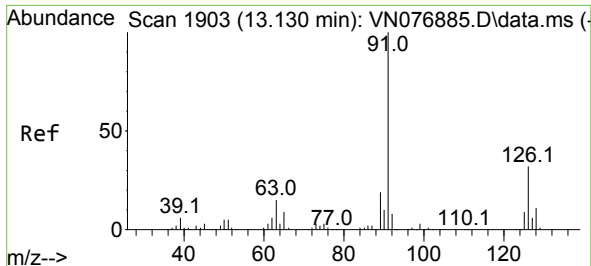
Tgt Ion:156 Resp: 107500
Ion Ratio Lower Upper
156 100
77 236.7 0.0 423.0
158 95.3 0.0 188.6



#74
n-propylbenzene
Concen: 20.771 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 91 Resp: 592362
Ion Ratio Lower Upper
91 100
120 21.4 0.0 44.0

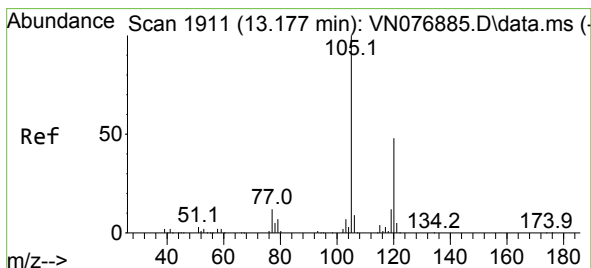
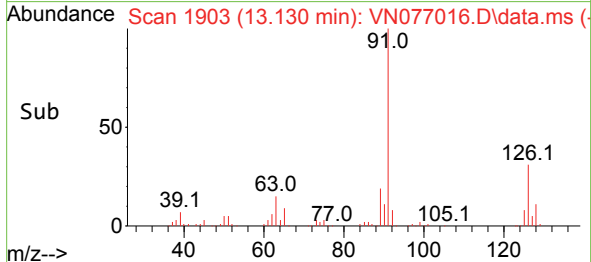
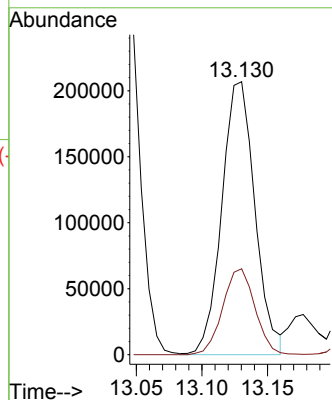
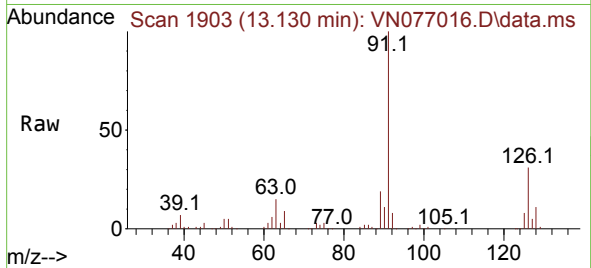




#75
2-Chlorotoluene
Concen: 20.646 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

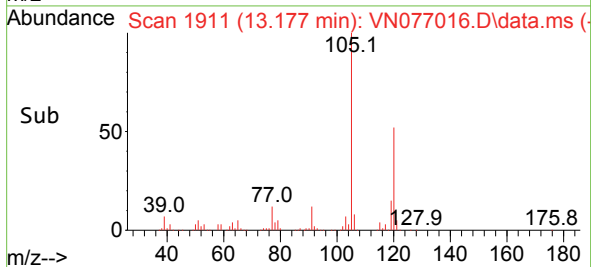
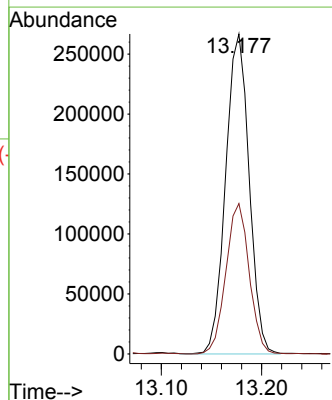
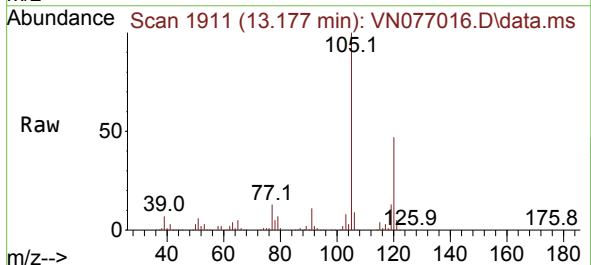
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

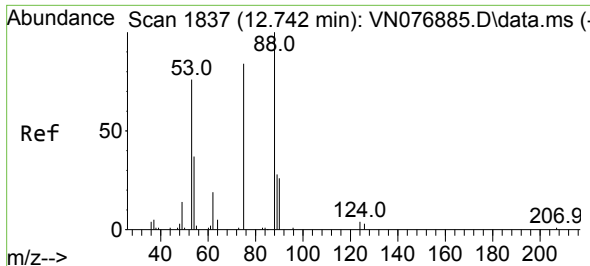
Tgt Ion: 91 Resp: 364132
Ion Ratio Lower Upper
91 100
126 30.6 0.0 66.4



#76
1,3,5-Trimethylbenzene
Concen: 20.779 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 105 Resp: 434546
Ion Ratio Lower Upper
105 100
120 46.7 0.0 103.2

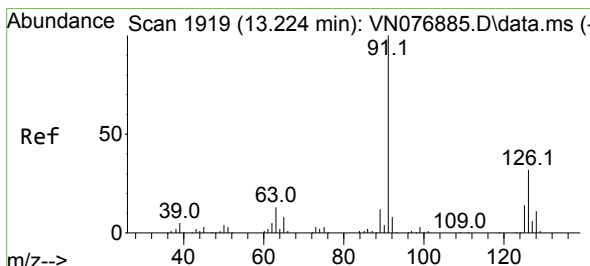
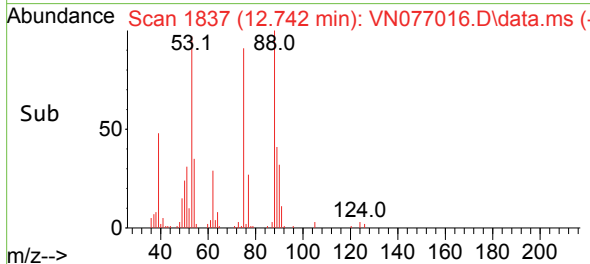
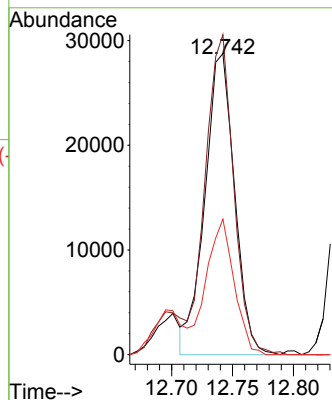
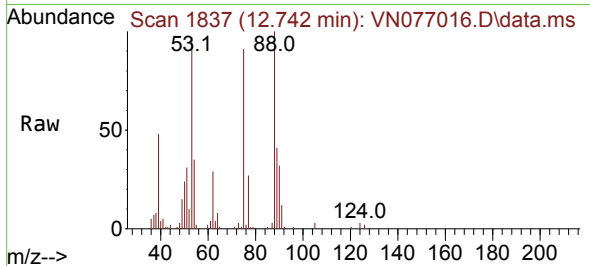




#77
t-1,4-Dichloro-2-butene
Concen: 23.970 ug/l
RT: 12.742 min Scan# 1837
Delta R.T. 0.006 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

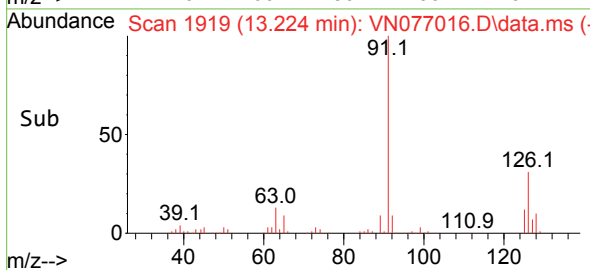
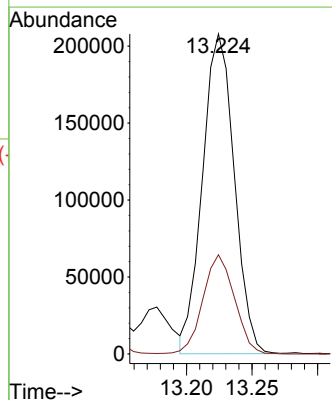
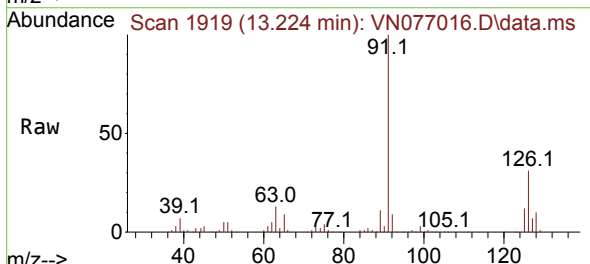
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

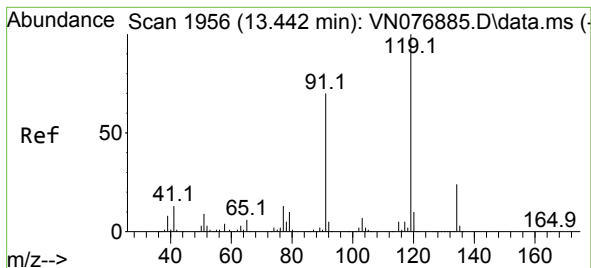
Tgt Ion: 75 Resp: 48899
Ion Ratio Lower Upper
75 100
53 105.4 50.4 151.3
89 45.0 22.1 66.5



#78
4-Chlorotoluene
Concen: 20.611 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 91 Resp: 350412
Ion Ratio Lower Upper
91 100
126 30.9 0.0 70.6

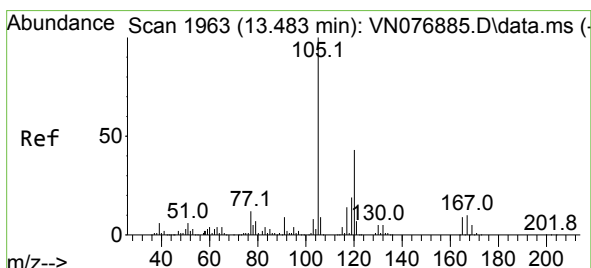
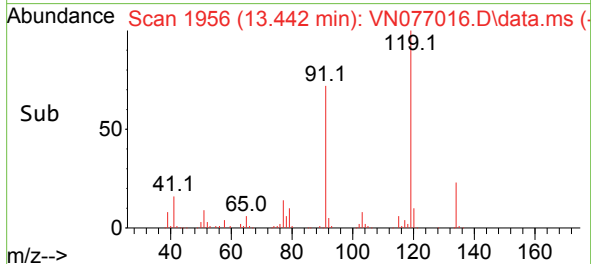
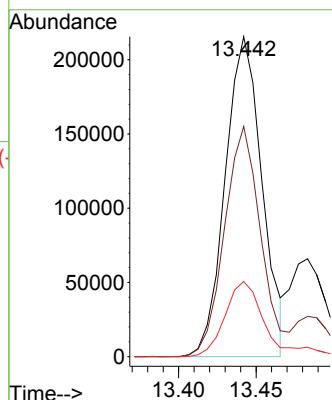
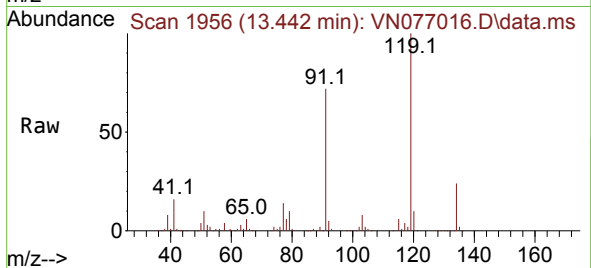




#79
tert-butylbenzene
Concen: 20.416 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

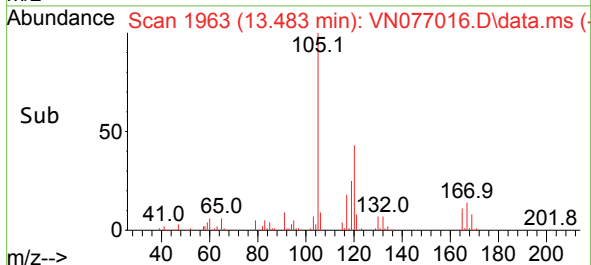
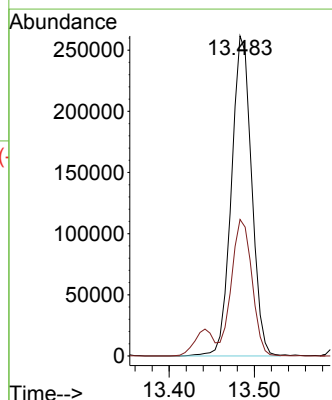
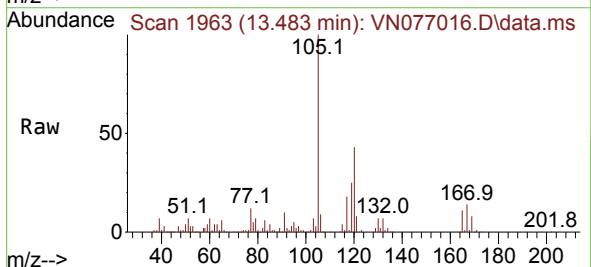
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

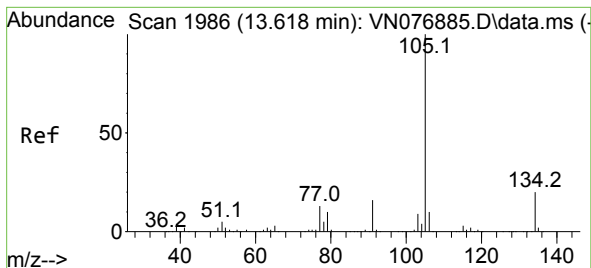
Tgt Ion:119 Resp: 357031
Ion Ratio Lower Upper
119 100
91 71.3 0.0 129.6
134 23.0 0.0 47.8



#80
1,2,4-Trimethylbenzene
Concen: 20.952 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion:105 Resp: 430604
Ion Ratio Lower Upper
105 100
120 43.7 0.0 93.2

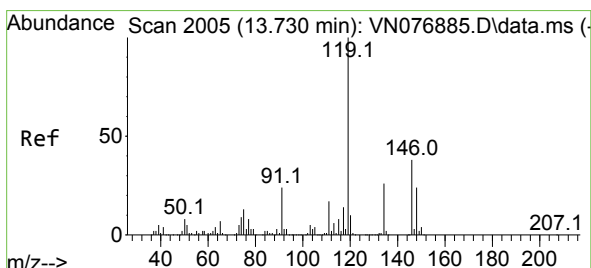
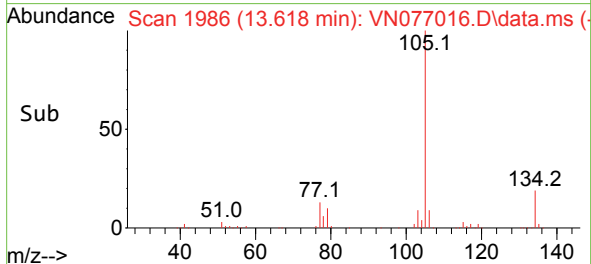
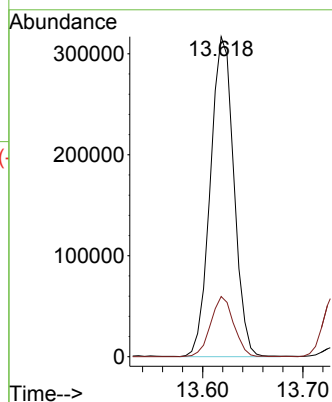
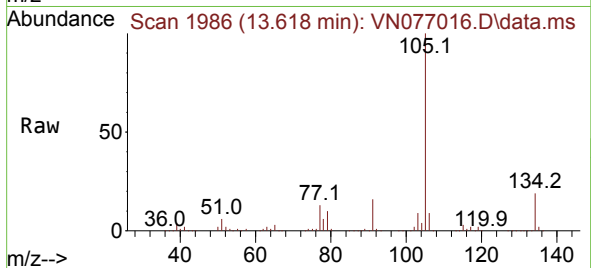




#81
 sec-Butylbenzene
 Concen: 20.600 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN077016.D
 Acq: 16 Mar 2023 12:31

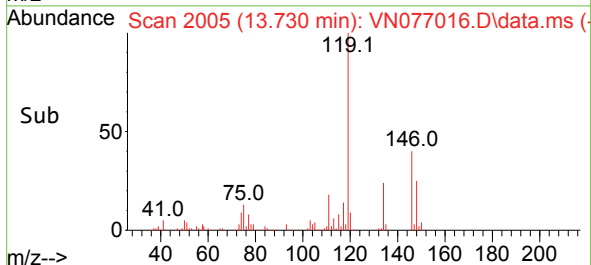
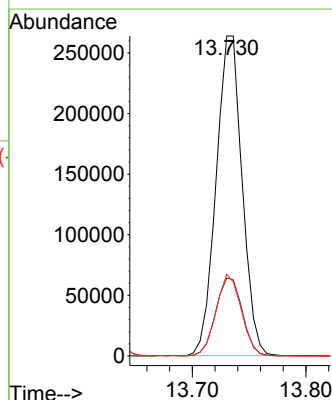
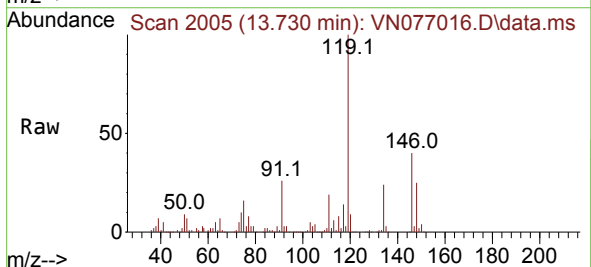
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS02

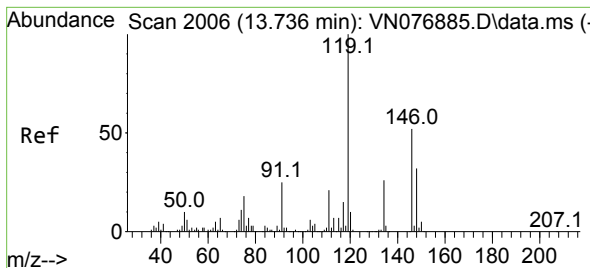
Tgt Ion:105 Resp: 515438
 Ion Ratio Lower Upper
 105 100
 134 18.5 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 20.803 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN077016.D
 Acq: 16 Mar 2023 12:31

Tgt Ion:119 Resp: 420697
 Ion Ratio Lower Upper
 119 100
 134 24.9 0.0 53.4
 91 24.7 0.0 47.2





#83

1,3-Dichlorobenzene

Concen: 20.065 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS02

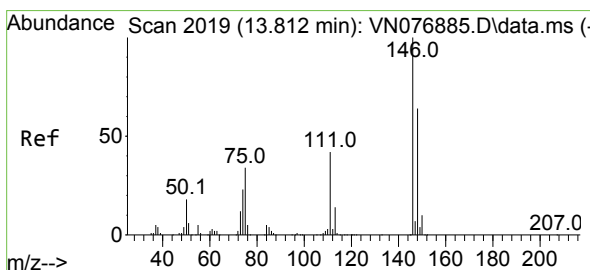
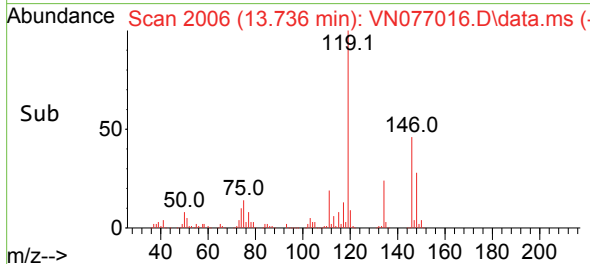
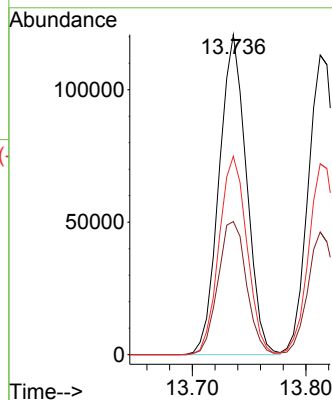
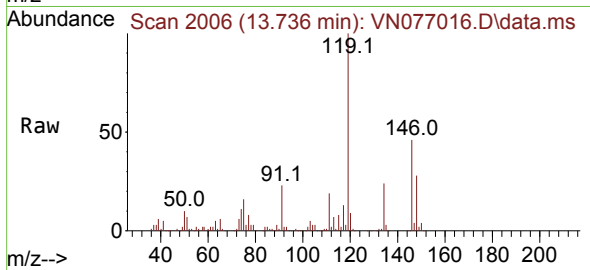
Tgt Ion:146 Resp: 202421

Ion Ratio Lower Upper

146 100

111 43.3 20.3 60.8

148 63.0 31.9 95.5



#84

1,4-Dichlorobenzene

Concen: 20.110 ug/l

RT: 13.813 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

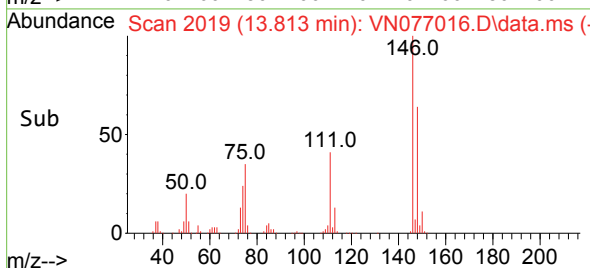
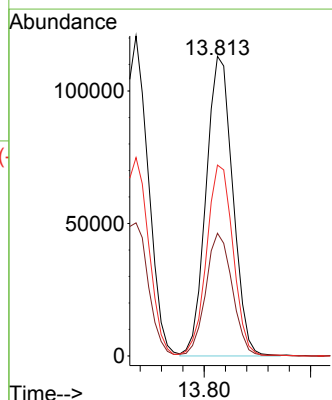
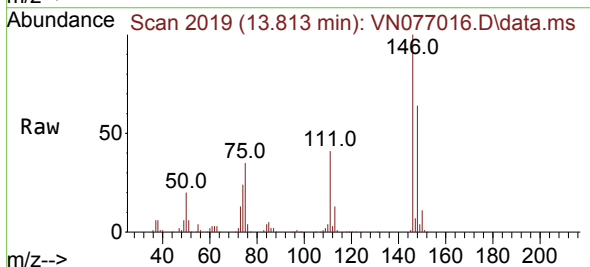
Tgt Ion:146 Resp: 197067

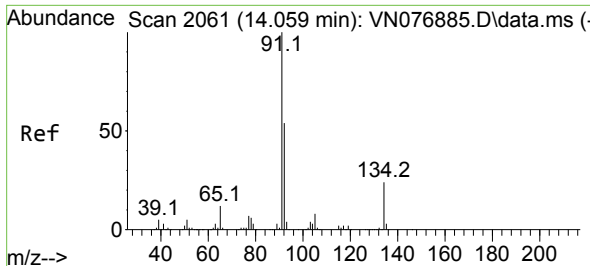
Ion Ratio Lower Upper

146 100

111 40.7 18.2 54.6

148 63.4 31.1 93.2

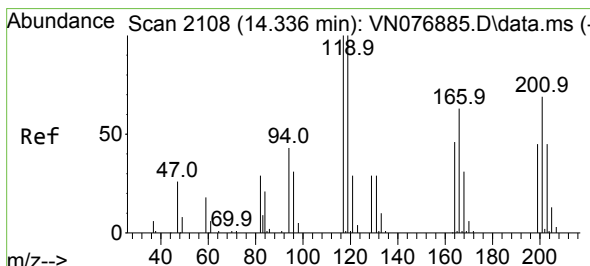
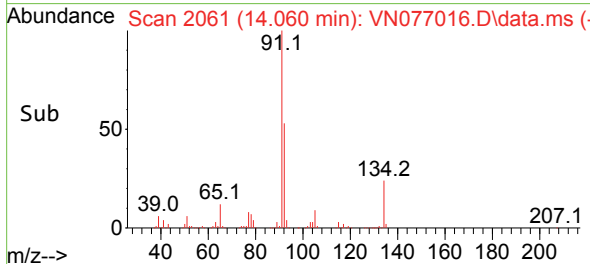
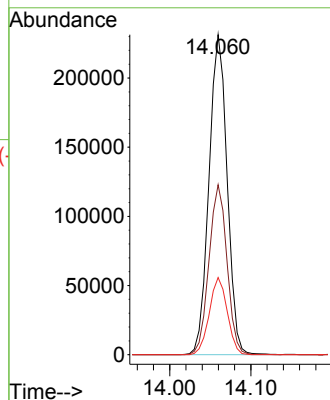
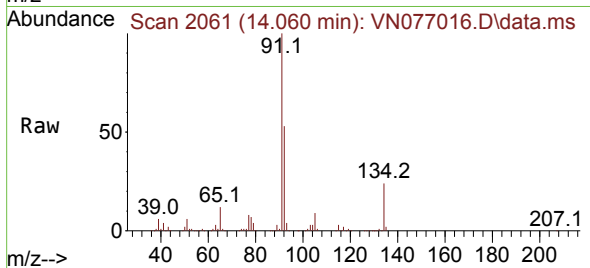




#85
n-Butylbenzene
Concen: 20.962 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

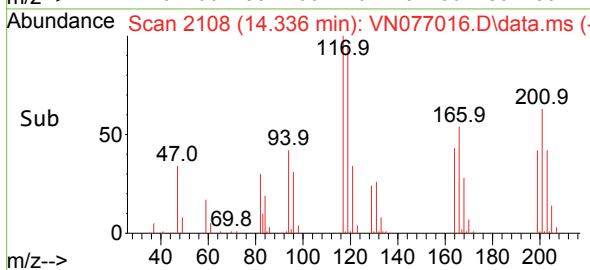
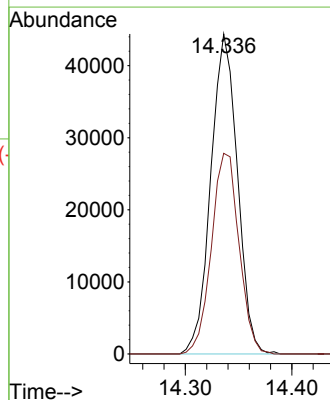
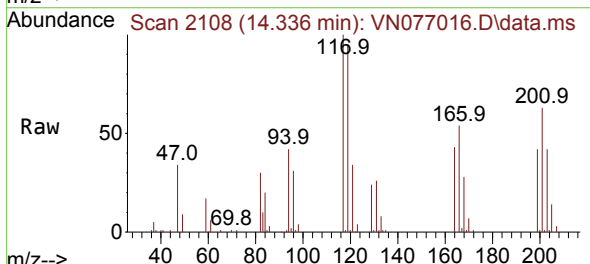
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS02

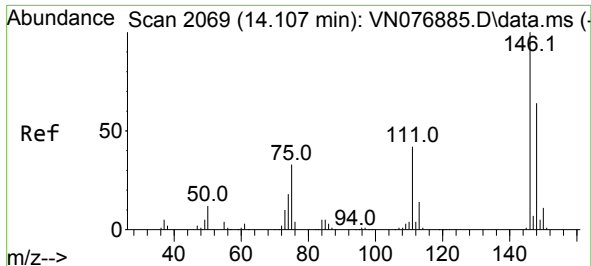
Tgt Ion: 91 Resp: 359322
Ion Ratio Lower Upper
91 100
92 52.5 0.0 103.2
134 23.8 0.0 50.0



#86
Hexachloroethane
Concen: 21.338 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VN077016.D
Acq: 16 Mar 2023 12:31

Tgt Ion: 117 Resp: 77046
Ion Ratio Lower Upper
117 100
201 65.0 32.2 96.6





#87

1,2-Dichlorobenzene

Concen: 19.926 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS02

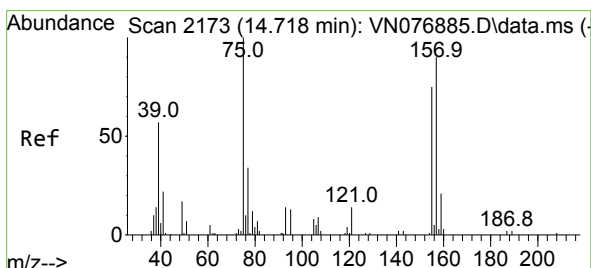
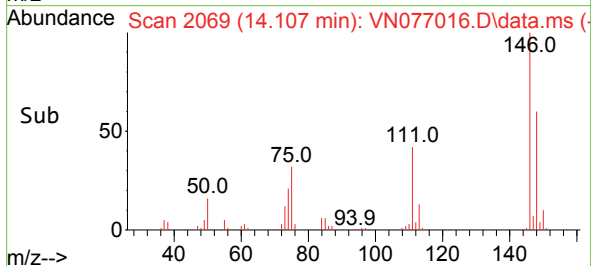
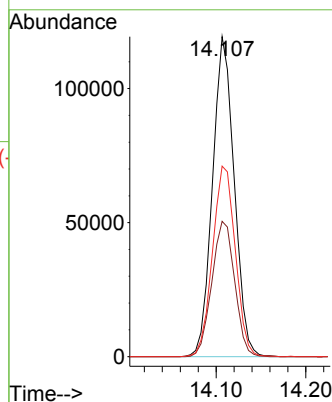
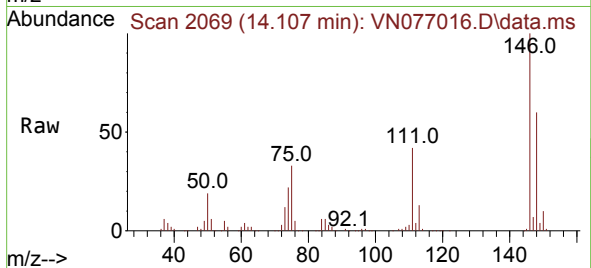
Tgt Ion:146 Resp: 200454

Ion Ratio Lower Upper

146 100

111 44.5 20.5 61.6

148 62.6 32.5 97.5



#88

1,2-Dibromo-3-Chloropropane

Concen: 21.059 ug/l

RT: 14.718 min Scan# 2173

Delta R.T. -0.006 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

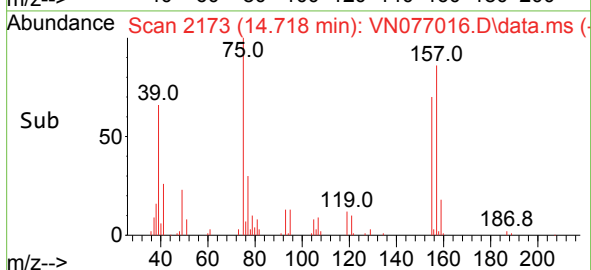
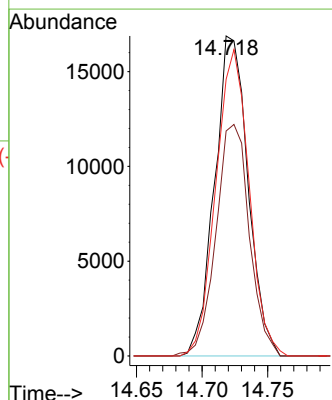
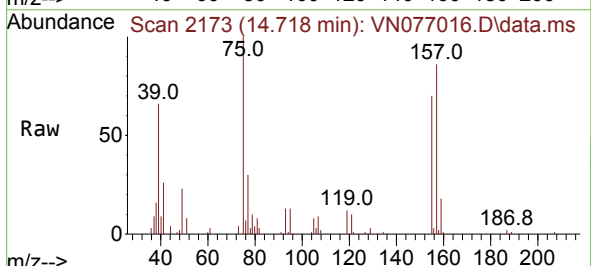
Tgt Ion: 75 Resp: 29881

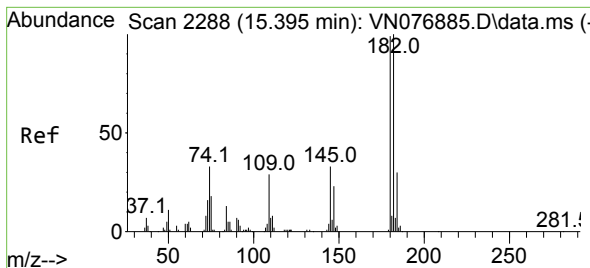
Ion Ratio Lower Upper

75 100

155 72.4 62.5 93.7

157 95.1 77.5 116.3





#89

1,2,4-Trichlorobenzene

Concen: 18.534 ug/l

RT: 15.395 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS02

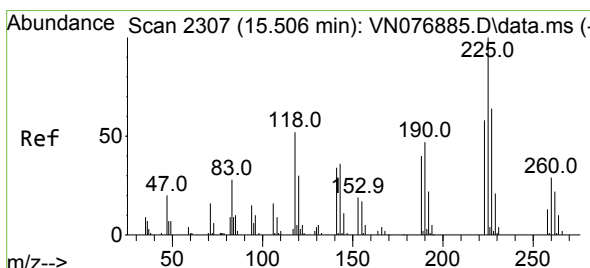
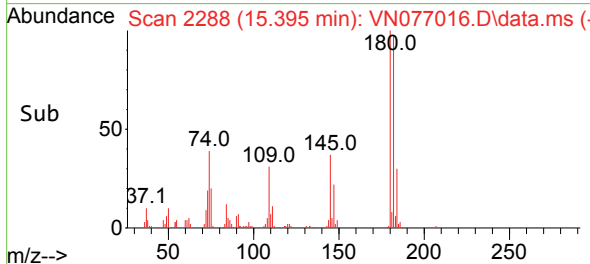
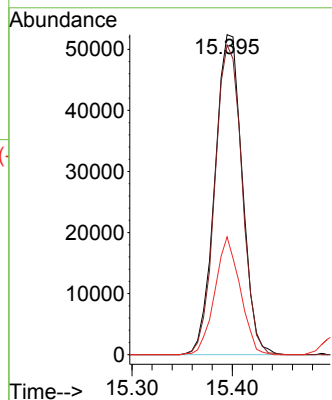
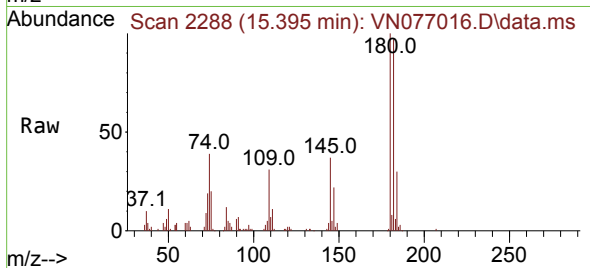
Tgt Ion:180 Resp: 99463

Ion Ratio Lower Upper

180 100

182 95.6 76.6 115.0

145 34.1 24.6 36.8



#90

Hexachlorobutadiene

Concen: 18.236 ug/l

RT: 15.501 min Scan# 2306

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

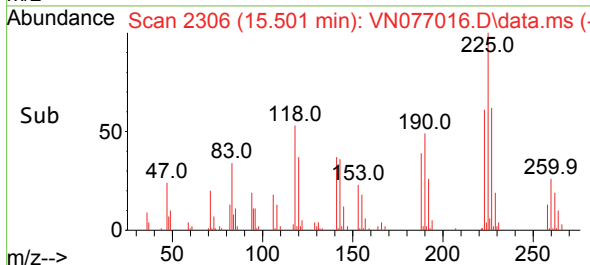
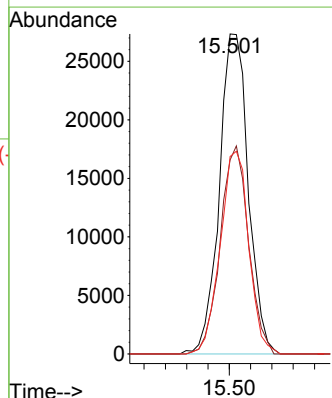
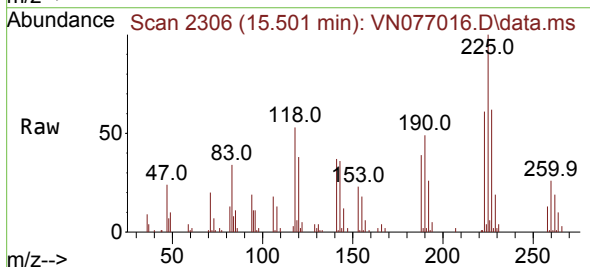
Tgt Ion:225 Resp: 51594

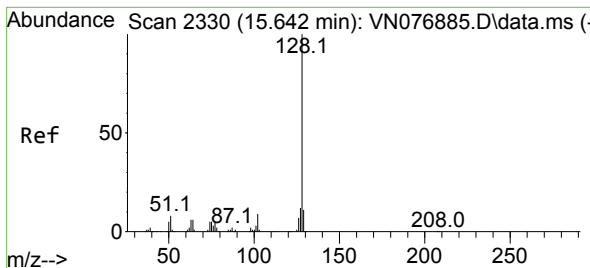
Ion Ratio Lower Upper

225 100

223 63.5 0.0 135.4

227 62.4 0.0 129.4





#91

Naphthalene

Concen: 19.032 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS02

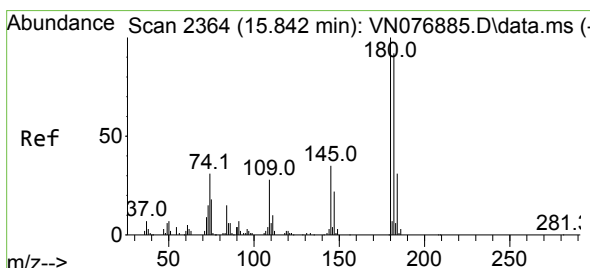
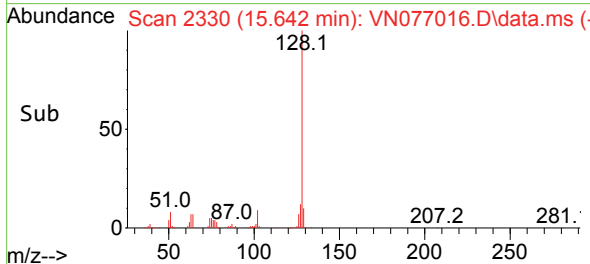
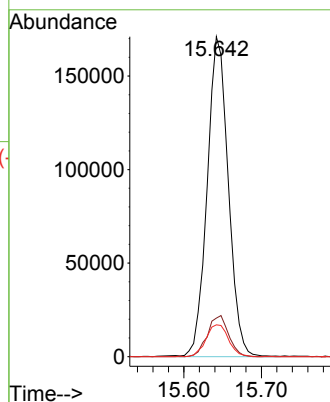
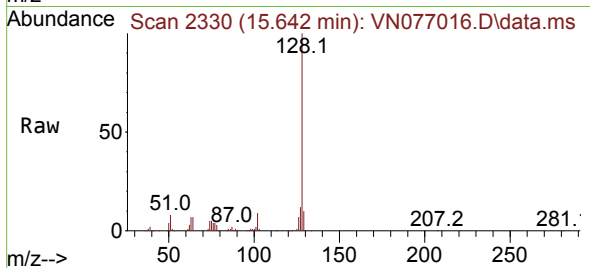
Tgt Ion:128 Resp: 323943

Ion Ratio Lower Upper

128 100

127 12.9 11.0 16.6

129 10.7 8.9 13.3



#92

1,2,3-Trichlorobenzene

Concen: 18.551 ug/l

RT: 15.842 min Scan# 2364

Delta R.T. -0.000 min

Lab File: VN077016.D

Acq: 16 Mar 2023 12:31

Tgt Ion:180 Resp: 99805

Ion Ratio Lower Upper

180 100

182 93.3 0.0 190.8

145 34.3 0.0 65.0

