

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041023\
 Data File : VN077284.D
 Acq On : 10 Apr 2023 09:48
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Apr 11 01:19:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	65366	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	490483	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	531510	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	164650	29.700	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.000%
60) 4-Bromofluorobenzene	12.848	95	287073	31.236	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.133%
63) Toluene-d8	10.566	98	568408	30.420	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	123364	19.852	ug/l	97
3) Chloromethane	2.372	50	148003	17.927	ug/l	99
4) Vinyl Chloride	2.525	62	206903	17.497	ug/l	96
5) Bromomethane	2.949	94	147355	16.537	ug/l	93
6) Chloroethane	3.131	64	141335	17.832	ug/l	92
7) Trichlorofluoromethane	3.507	101	217811	19.782	ug/l	91
8) Diethyl Ether	3.966	74	94218	20.076	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.378	101	140075	20.344	ug/l	99
10) 1,1-Dichloroethene	4.343	96	135027	19.604	ug/l	91
11) Methyl Iodide	4.601	142	157024	20.179	ug/l	99
12) Methyl Acetate	5.031	43	184507	17.980	ug/l	95
13) Acrolein	4.184	56	124956	98.100	ug/l	99
14) Acrylonitrile	5.725	53	313586	89.399	ug/l	99
15) Acetone	4.431	58	112270	88.225	ug/l	96
16) Carbon Disulfide	4.719	76	346864	19.079	ug/l	97
17) Allyl chloride	5.031	41	164164	18.515	ug/l	96
18) Methylene Chloride	5.290	84	156434	19.558	ug/l	94
19) trans-1,2-Dichloroethene	5.790	96	146291	19.533	ug/l	96
20) Diisopropyl ether	6.678	45	402704	19.056	ug/l	97
21) 1,1-Dichloroethane	6.572	63	264562	19.752	ug/l	98
22) cis-1,2-Dichloroethene	7.489	96	179179	19.625	ug/l	98
23) tert-Butyl Alcohol	5.625	59	397	0.255	ug/l #	100
24) Methyl tert-Butyl Ether	5.801	73	478950	19.315	ug/l	99
25) Chloroform	7.966	83	272655	18.783	ug/l	98
26) Cyclohexane	8.260	56	226702	19.478	ug/l #	100
29) 1,1-Dichloropropene	8.372	75	211880	19.941	ug/l	99
30) 2-Butanone	7.484	43	435311	86.637	ug/l	98
31) 2,2-Dichloropropane	7.489	77	266096	20.401	ug/l #	77
32) 1,1,1-Trichloroethane	8.172	97	255321	19.526	ug/l	99
33) Carbon Tetrachloride	8.366	117	227897	20.420	ug/l	98
34) Benzene	8.613	78	650607	19.790	ug/l	96
35) Methacrylonitrile	7.778	41	88724	18.745	ug/l	89
36) 1,2-Dichloroethane	8.672	62	201973	19.595	ug/l	99
37) Trichloroethene	9.354	130	159070	19.781	ug/l	99
38) Methylcyclohexane	9.601	83	282874	19.630	ug/l	99
39) 1,2-Dichloropropane	9.625	63	160638	19.683	ug/l	97
40) Dibromomethane	9.707	93	115668	19.670	ug/l	99
41) Bromodichloromethane	9.889	83	234017	19.958	ug/l	98
42) Vinyl Acetate	6.607	43	1345423	92.520	ug/l #	100

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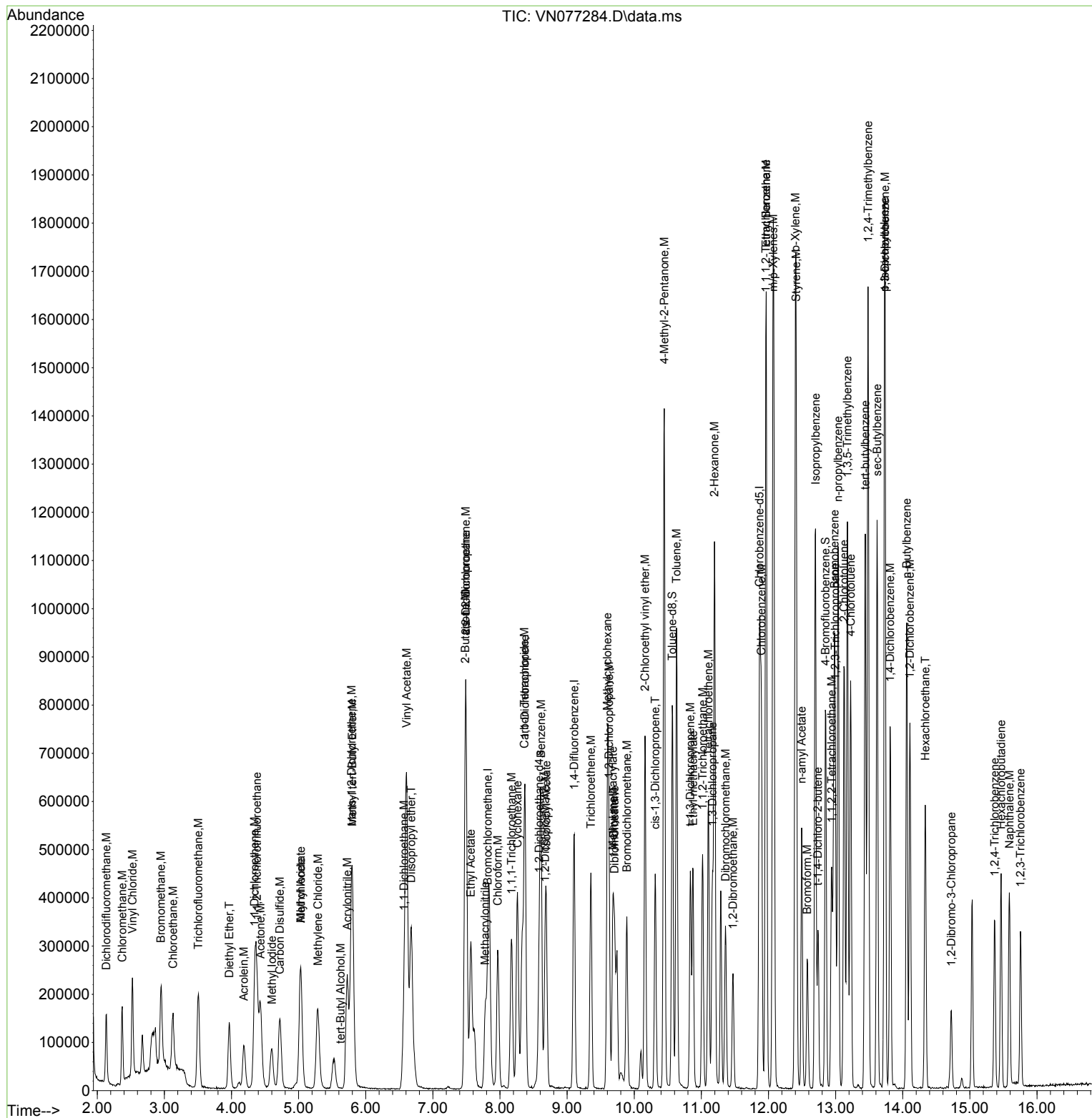
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	168977	18.178	ug/l	94
44) Isopropyl Acetate	8.689	43	313276	18.822	ug/l #	100
45) 1,4-Dioxane	9.695	88	62268	354.729	ug/l	98
46) Methyl methacrylate	9.683	41	133895	18.685	ug/l	94
47) n-amyl Acetate	12.495	43	265493	18.253	ug/l	98
48) t-1,3-Dichloropropene	10.836	75	258809	19.722	ug/l	95
49) cis-1,3-Dichloropropene	10.313	75	282166	20.212	ug/l	98
50) 1,1,2-Trichloroethane	11.019	97	165028	19.321	ug/l	97
51) Ethyl methacrylate	10.877	69	257186	19.607	ug/l	98
52) 1,3-Dichloropropane	11.166	76	275013	19.292	ug/l	99
53) Dibromochloromethane	11.360	129	182798	20.306	ug/l	98
54) 1,2-Dibromoethane	11.472	107	166586	19.428	ug/l	97
55) 2-Chloroethyl vinyl ether	10.160	63	340449	84.068	ug/l	98
56) Bromoform	12.577	173	118317	19.566	ug/l #	98
58) 4-Methyl-2-Pentanone	10.448	43	896530	90.088	ug/l	99
59) 2-Hexanone	11.195	43	669347	87.015	ug/l	98
61) Tetrachloroethene	11.107	164	125216	19.807	ug/l	93
62) Toluene	10.630	91	744976	20.088	ug/l	99
64) Chlorobenzene	11.895	112	453555	20.131	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.960	131	171031	20.643	ug/l	98
66) Ethyl Benzene	11.966	91	828161	20.157	ug/l	99
67) m/p-Xylenes	12.071	106	655560	40.708	ug/l	99
68) o-Xylene	12.401	106	328607	20.397	ug/l	100
69) Styrene	12.413	104	522456	20.241	ug/l	100
70) Isopropylbenzene	12.701	105	825384	20.187	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.942	83	241744	19.307	ug/l	98
72) 1,2,3-Trichloropropane	12.995	75	296806	34.873	ug/l	42
73) Bromobenzene	12.983	156	167149	20.122	ug/l	97
74) n-propylbenzene	13.036	91	942542	20.835	ug/l	99
75) 2-Chlorotoluene	13.124	91	560226	20.672	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	683173	20.529	ug/l	98
77) t-1,4-Dichloro-2-butene	12.736	75	85663	19.760	ug/l	98
78) 4-Chlorotoluene	13.224	91	523475	20.442	ug/l	99
79) tert-butylbenzene	13.442	119	593202	20.482	ug/l	99
80) 1,2,4-Trimethylbenzene	13.483	105	659289	20.324	ug/l	99
81) sec-Butylbenzene	13.618	105	851618	20.589	ug/l	100
82) p-Isopropyltoluene	13.730	119	676717	20.421	ug/l	99
83) 1,3-Dichlorobenzene	13.736	146	321117	20.388	ug/l	99
84) 1,4-Dichlorobenzene	13.813	146	311330	20.374	ug/l	99
85) n-Butylbenzene	14.060	91	562474	20.540	ug/l	100
86) Hexachloroethane	14.336	117	142125	20.162	ug/l	99
87) 1,2-Dichlorobenzene	14.107	146	311905	20.211	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.724	75	43611	18.176	ug/l	97
89) 1,2,4-Trichlorobenzene	15.371	180	100998	16.638	ug/l	98
90) Hexachlorobutadiene	15.465	225	64757	20.800	ug/l	98
91) Naphthalene	15.589	128	346187	14.928	ug/l	100
92) 1,2,3-Trichlorobenzene	15.754	180	92327	15.587	ug/l	98

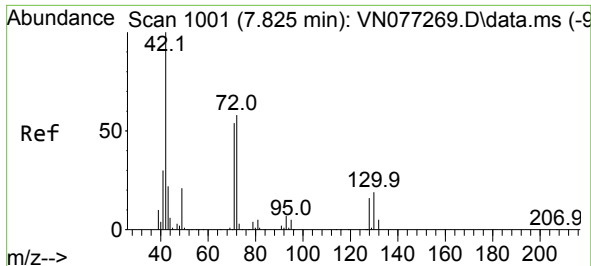
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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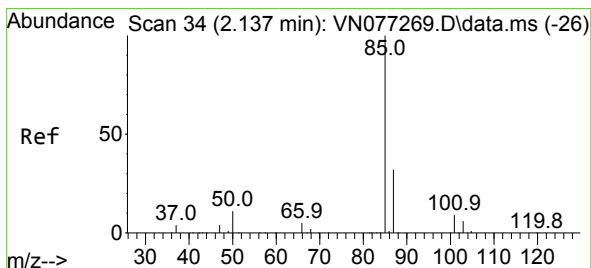
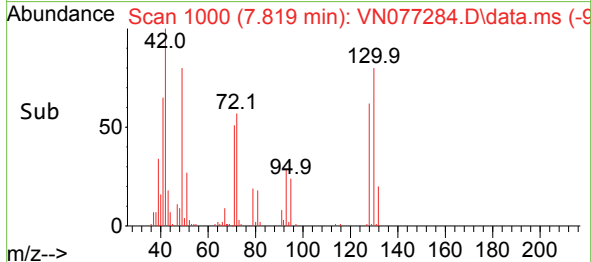
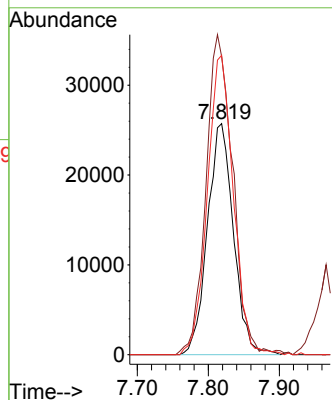
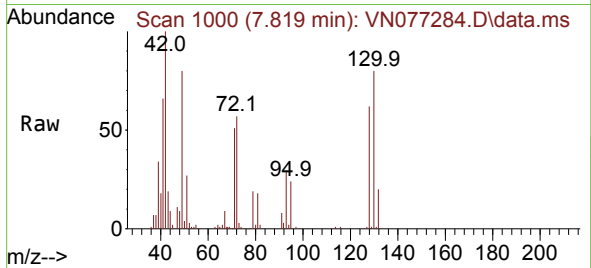




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077284.D
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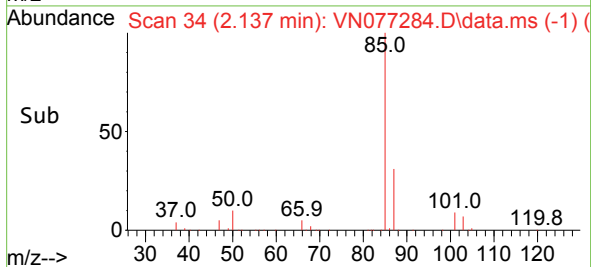
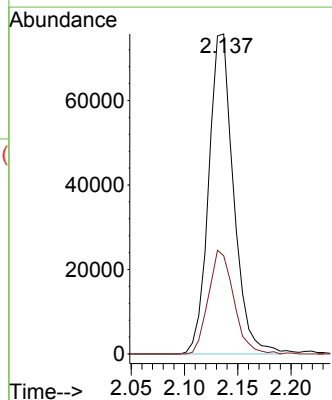
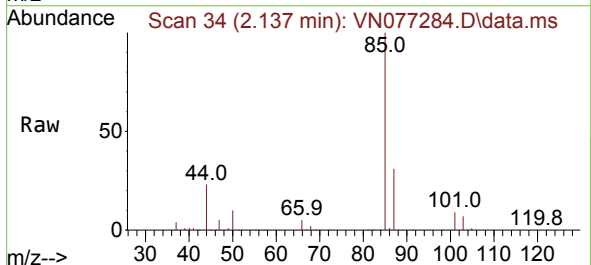
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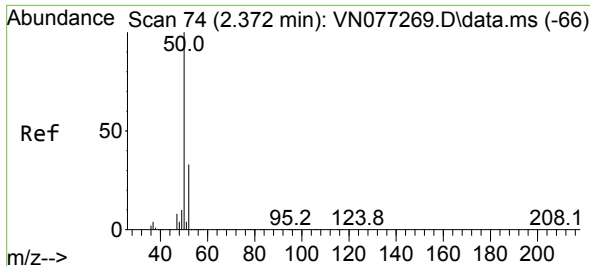
Tgt Ion:128 Resp: 65366
Ion Ratio Lower Upper
128 100
49 141.3 0.0 379.5
130 129.6 0.0 322.8



#2
Dichlorodifluoromethane
Concen: 19.852 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 85 Resp: 123364
Ion Ratio Lower Upper
85 100
87 30.7 16.2 48.6

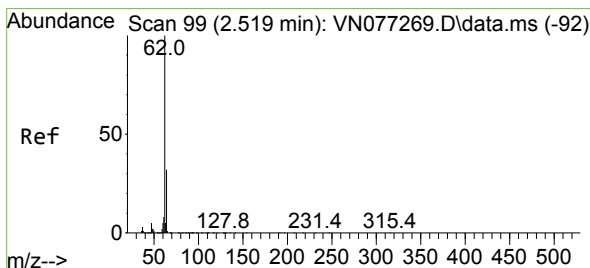
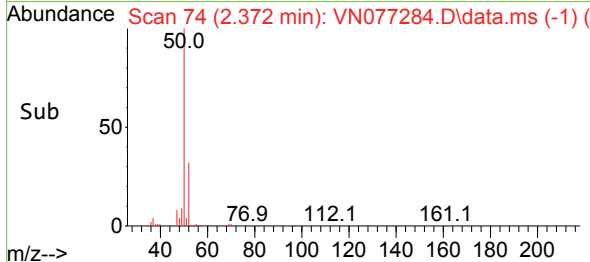
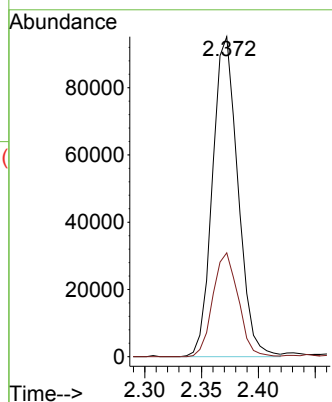
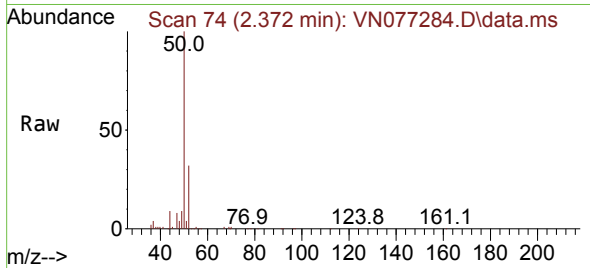




#3
Chloromethane
Concen: 17.927 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

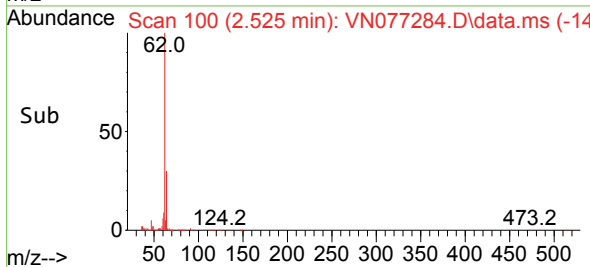
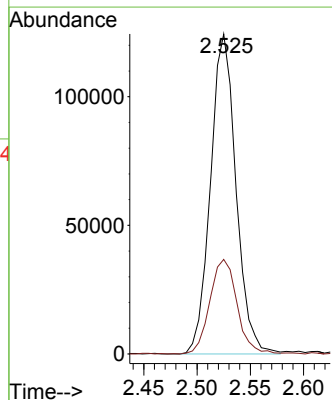
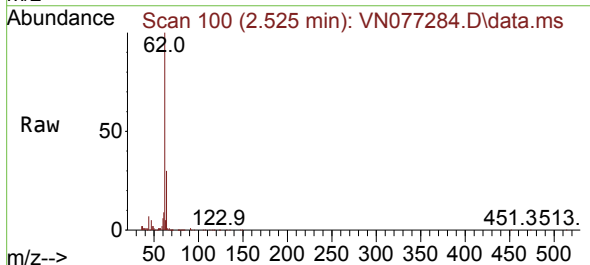
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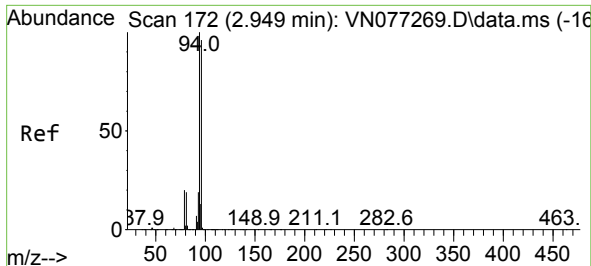
Tgt Ion: 50 Resp: 148003
Ion Ratio Lower Upper
50 100
52 32.4 26.4 39.6



#4
Vinyl Chloride
Concen: 17.497 ug/l
RT: 2.525 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 62 Resp: 206903
Ion Ratio Lower Upper
62 100
64 29.6 25.4 38.0

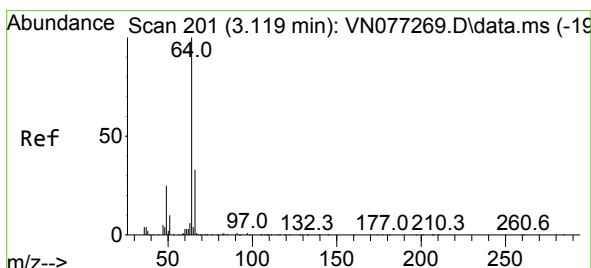
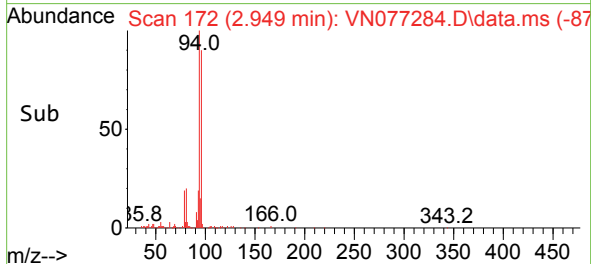
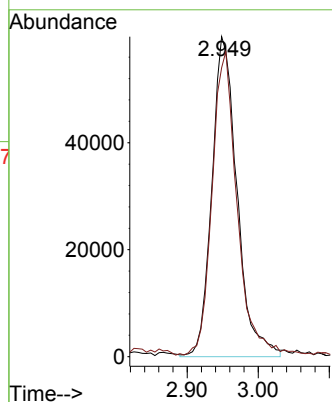
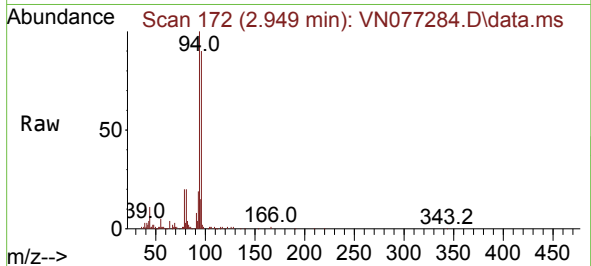




#5
Bromomethane
Concen: 16.537 ug/l
RT: 2.949 min Scan# 11
Delta R.T. -0.000 min
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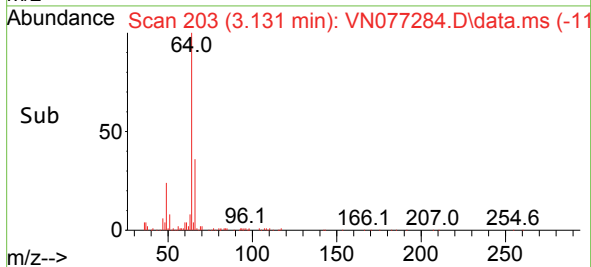
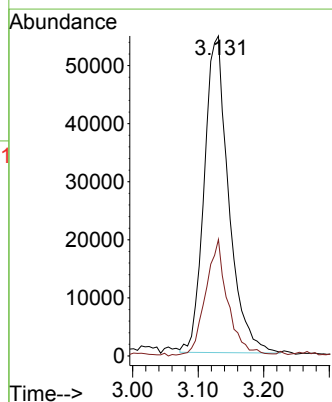
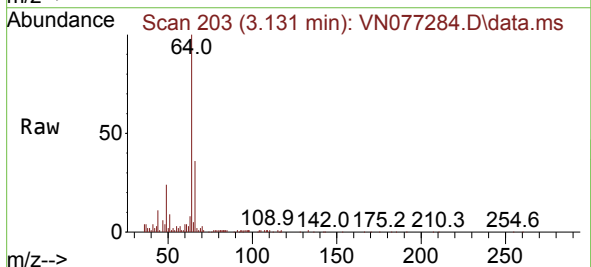
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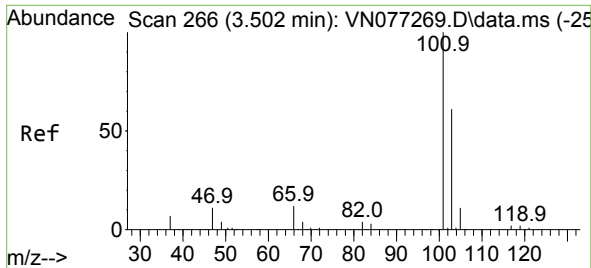
Tgt Ion: 94 Resp: 147355
Ion Ratio Lower Upper
94 100
96 89.9 77.0 115.6



#6
Chloroethane
Concen: 17.832 ug/l
RT: 3.131 min Scan# 203
Delta R.T. 0.012 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 64 Resp: 141335
Ion Ratio Lower Upper
64 100
66 36.3 25.7 38.5

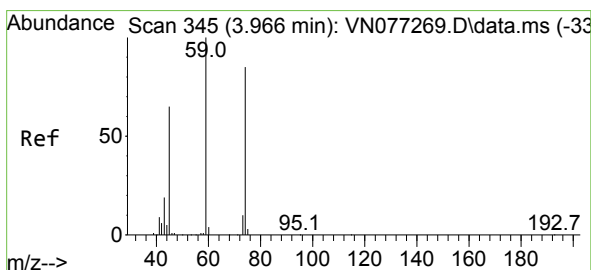
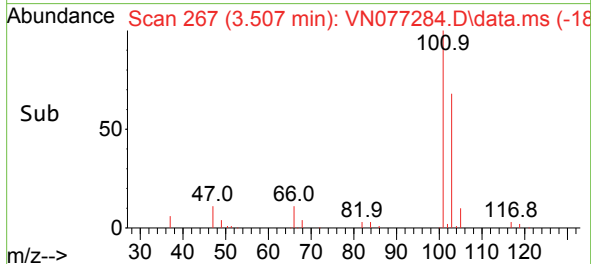
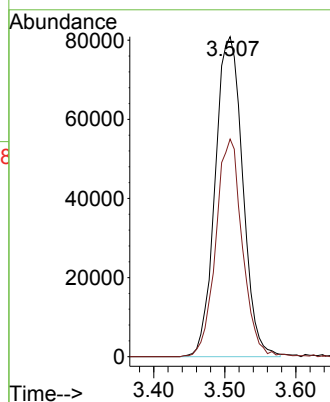
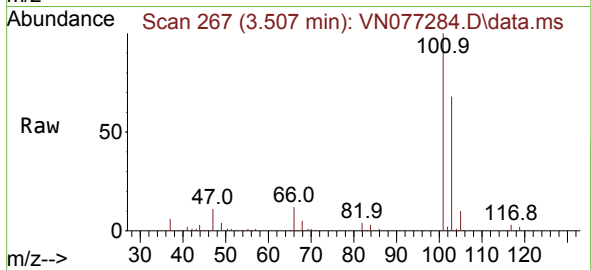




#7
Trichlorofluoromethane
Concen: 19.782 ug/l
RT: 3.507 min Scan# 21
Delta R.T. 0.005 min
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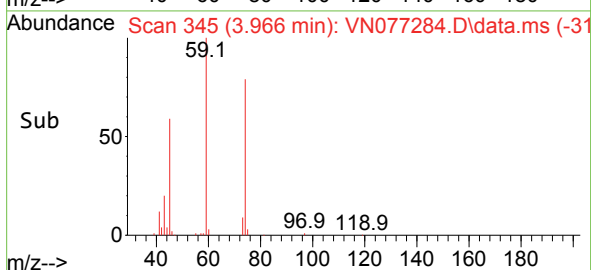
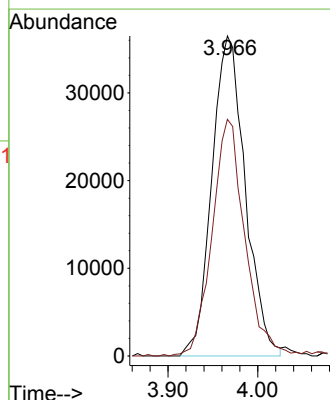
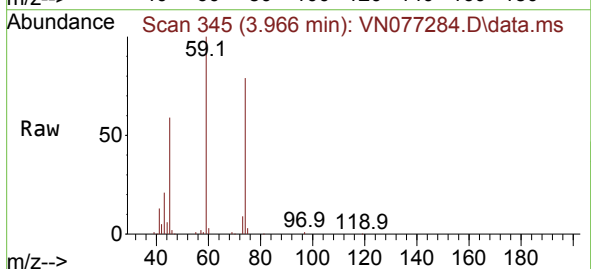
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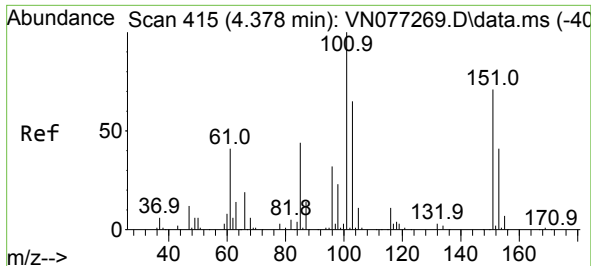
Tgt Ion:101 Resp: 217811
Ion Ratio Lower Upper
101 100
103 68.0 48.9 73.3



#8
Diethyl Ether
Concen: 20.076 ug/l
RT: 3.966 min Scan# 345
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 74 Resp: 94218
Ion Ratio Lower Upper
74 100
45 72.2 14.8 133.6

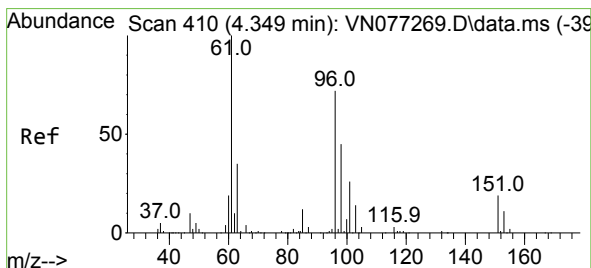
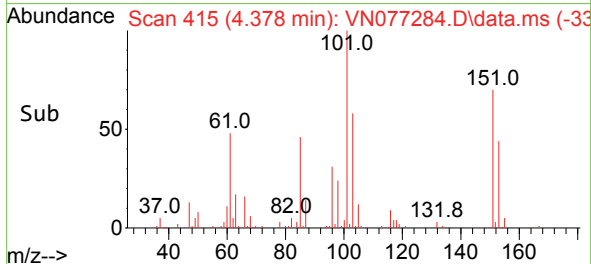
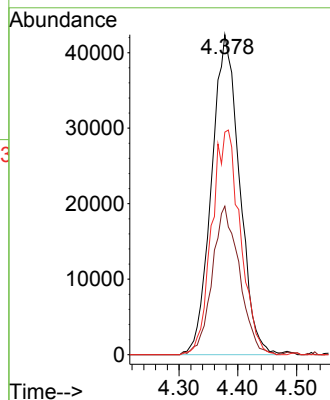
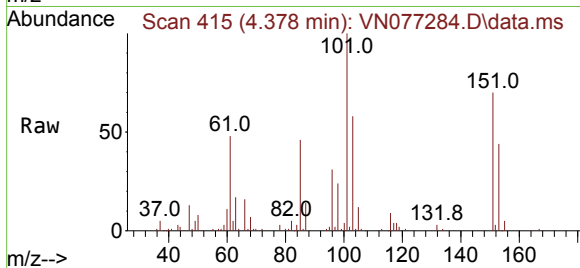




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.344 ug/l
RT: 4.378 min Scan# 415
Delta R.T. -0.000 min
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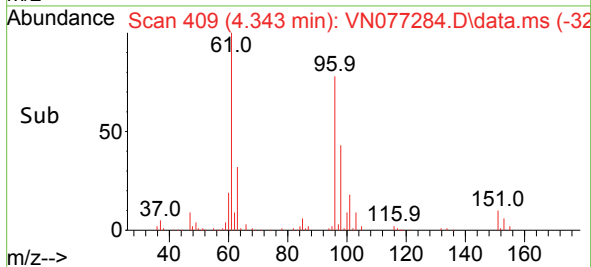
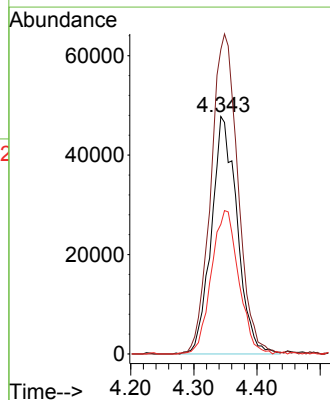
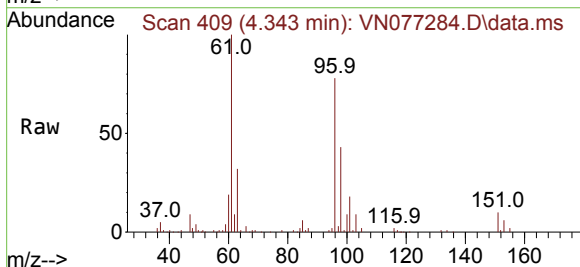
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ClientSampleId :
VSTDCCC020

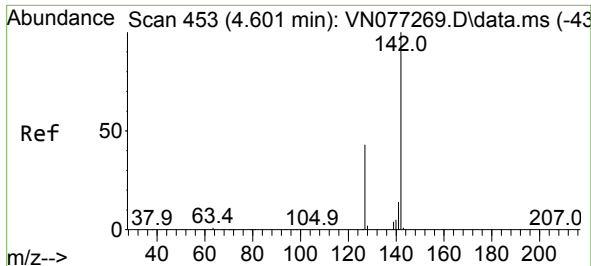
Tgt Ion:101 Resp: 140075
Ion Ratio Lower Upper
101 100
85 45.2 0.0 89.6
151 71.5 0.0 141.6



#10
1,1-Dichloroethene
Concen: 19.604 ug/l
RT: 4.343 min Scan# 409
Delta R.T. -0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 96 Resp: 135027
Ion Ratio Lower Upper
96 100
61 128.3 110.7 166.1
98 54.2 49.6 74.4

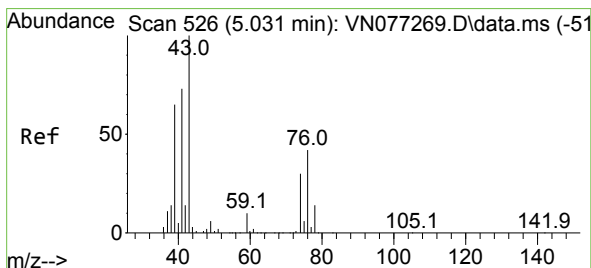
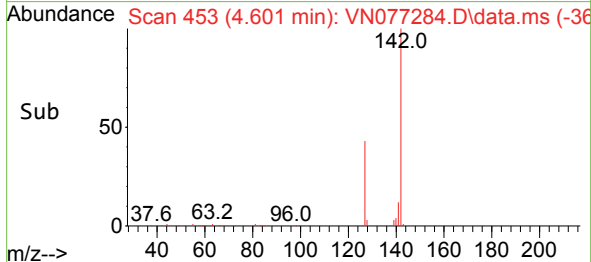
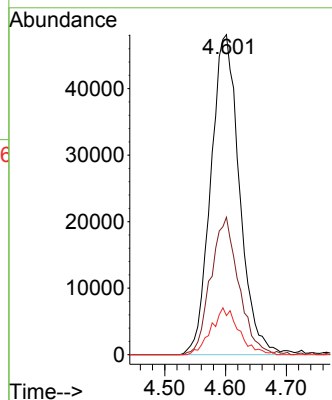
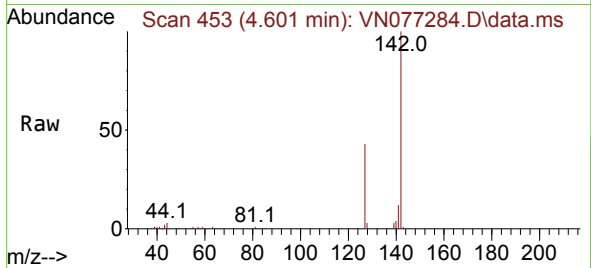




#11
Methyl Iodide
Concen: 20.179 ug/l
RT: 4.601 min Scan# 453
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

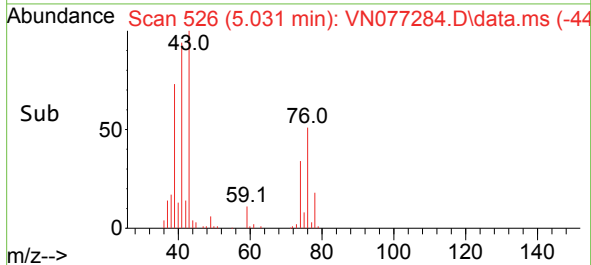
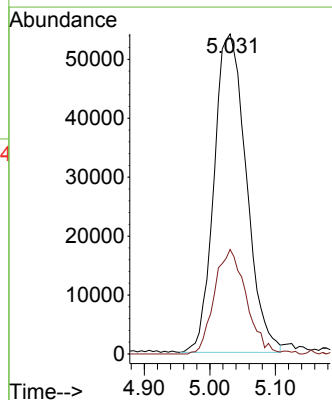
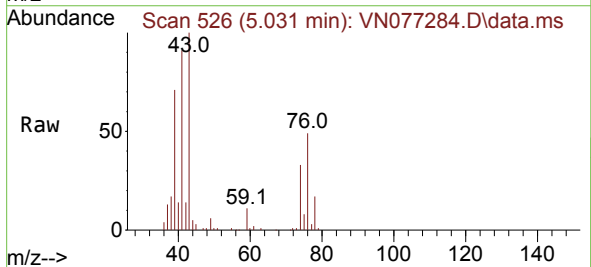
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

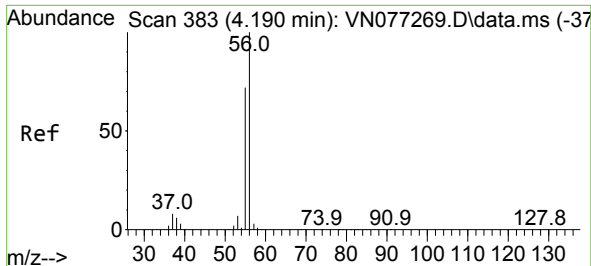
Tgt Ion:142 Resp: 157024
Ion Ratio Lower Upper
142 100
127 42.9 21.3 63.7
141 12.3 7.0 20.9



#12
Methyl Acetate
Concen: 17.980 ug/l
RT: 5.031 min Scan# 526
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 43 Resp: 184507
Ion Ratio Lower Upper
43 100
74 32.9 24.2 36.2

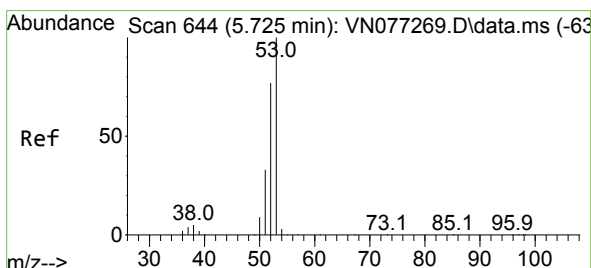
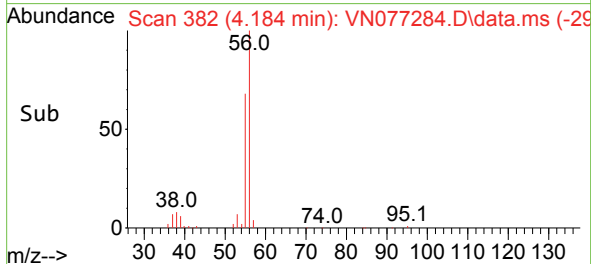
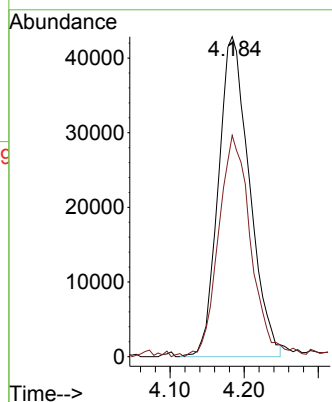
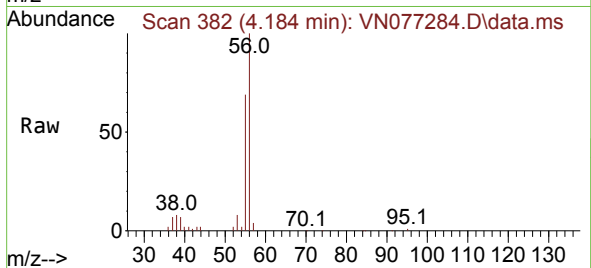




#13
Acrolein
Concen: 98.100 ug/l
RT: 4.184 min Scan# 382
Delta R.T. -0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

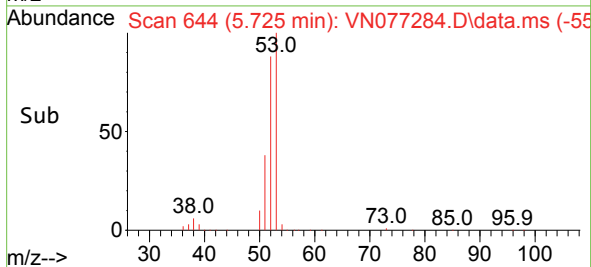
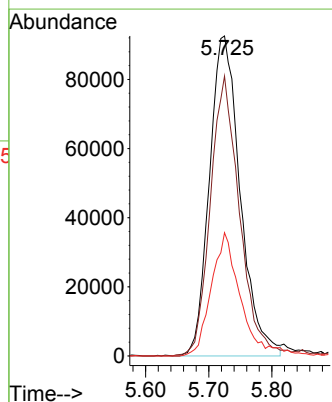
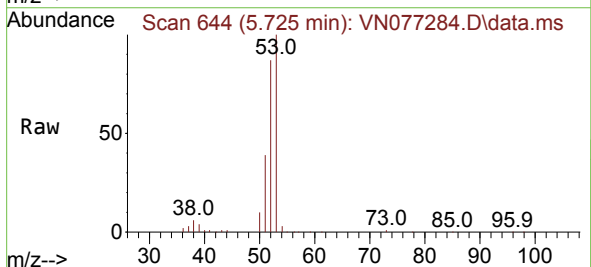
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

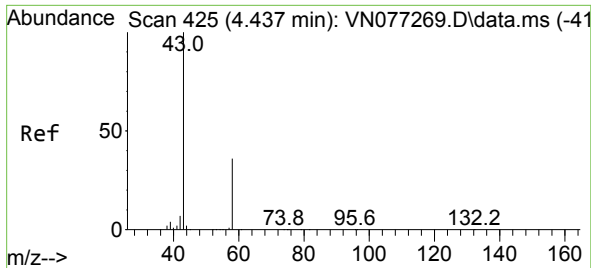
Tgt Ion: 56 Resp: 124956
Ion Ratio Lower Upper
56 100
55 68.3 55.2 82.8



#14
Acrylonitrile
Concen: 89.399 ug/l
RT: 5.725 min Scan# 644
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 53 Resp: 313586
Ion Ratio Lower Upper
53 100
52 82.5 41.0 123.0
51 34.8 17.7 53.1

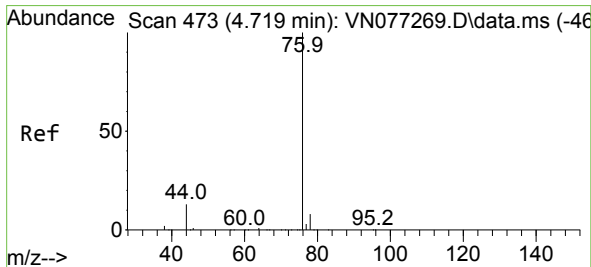
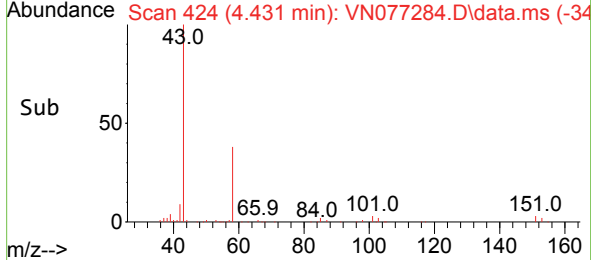
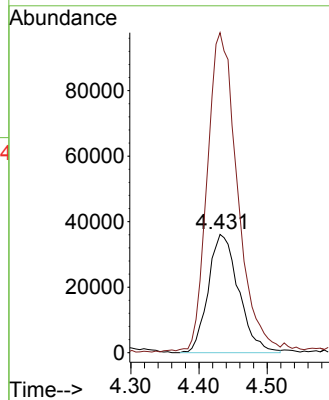
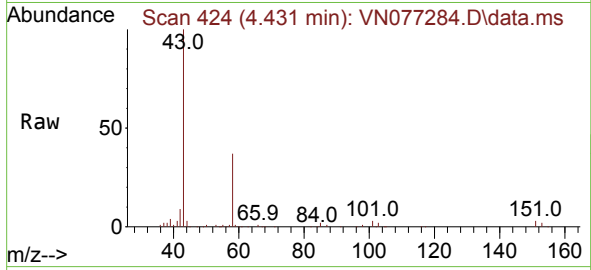




#15
Acetone
Concen: 88.225 ug/l
RT: 4.431 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

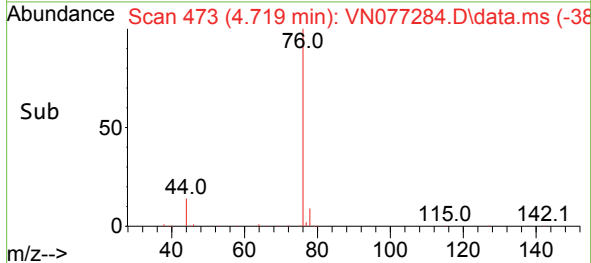
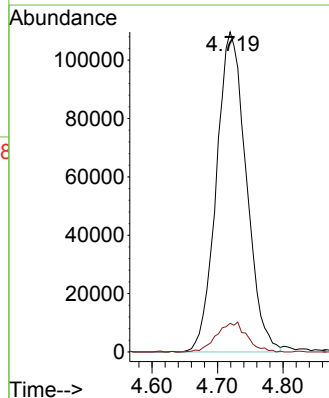
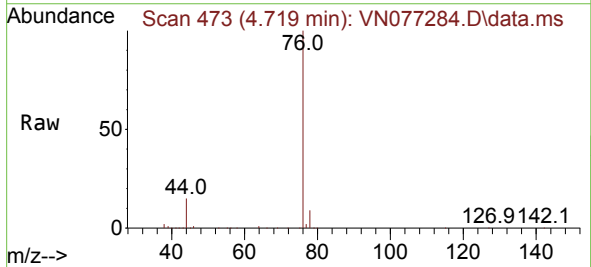
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

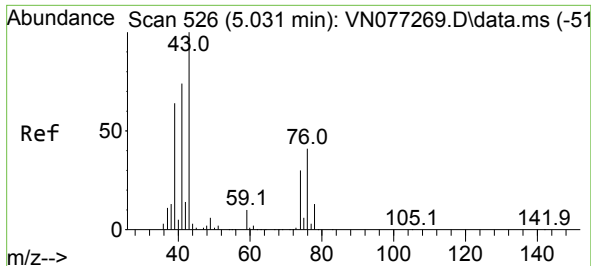
Tgt Ion: 58 Resp: 112270
Ion Ratio Lower Upper
58 100
43 267.8 220.9 331.3



#16
Carbon Disulfide
Concen: 19.079 ug/l
RT: 4.719 min Scan# 473
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 76 Resp: 346864
Ion Ratio Lower Upper
76 100
78 8.9 6.3 9.5

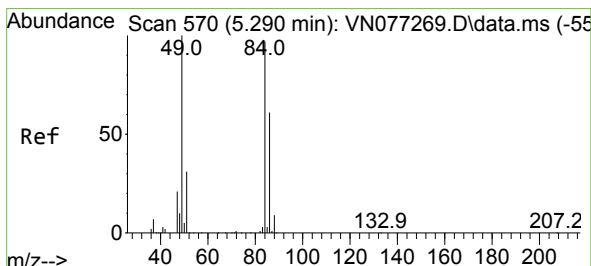
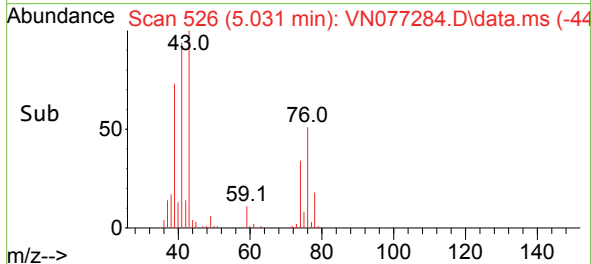
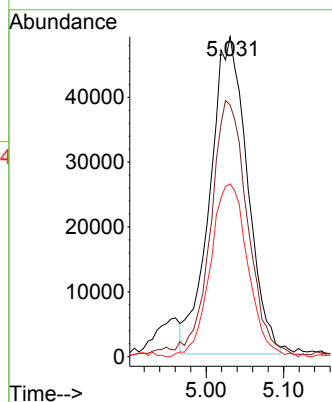
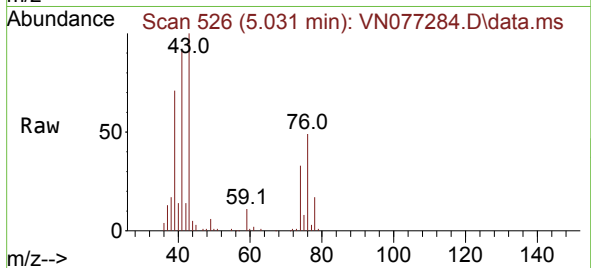




#17
 Allyl chloride
 Concen: 18.515 ug/l
 RT: 5.031 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN077284.D
 Acq: 10 Apr 2023 09:48

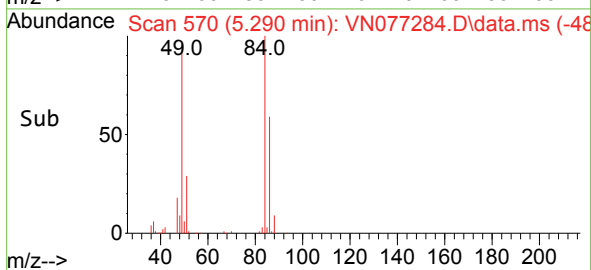
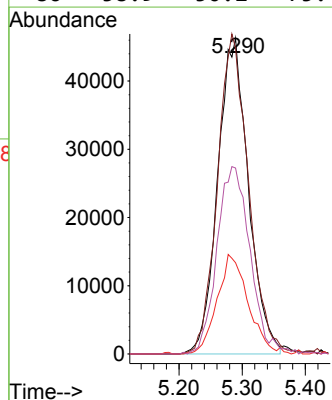
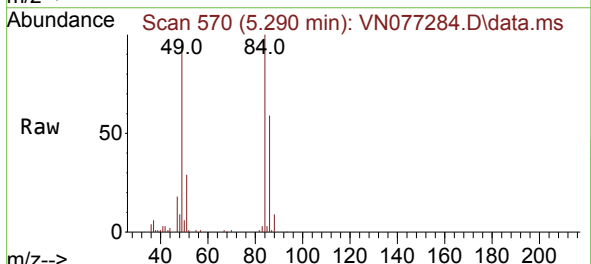
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

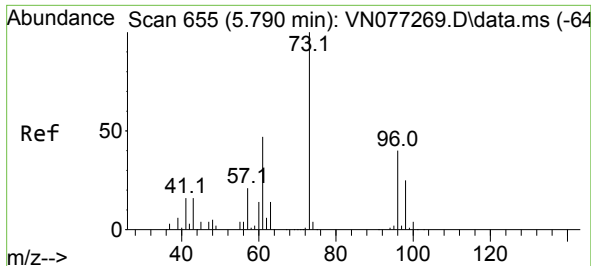
Tgt Ion: 41 Resp: 164164
 Ion Ratio Lower Upper
 41 100
 39 77.8 40.3 120.9
 76 54.2 25.3 75.8



#18
 Methylene Chloride
 Concen: 19.558 ug/l
 RT: 5.290 min Scan# 570
 Delta R.T. -0.000 min
 Lab File: VN077284.D
 Acq: 10 Apr 2023 09:48

Tgt Ion: 84 Resp: 156434
 Ion Ratio Lower Upper
 84 100
 49 96.8 82.7 124.1
 51 28.9 25.6 38.4
 86 58.9 50.2 75.4

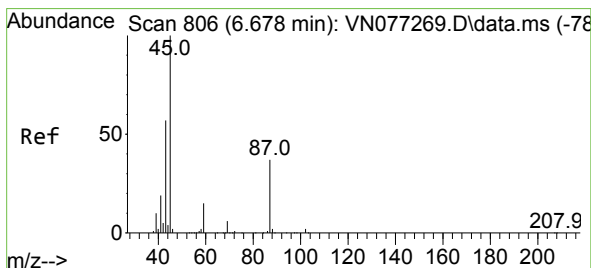
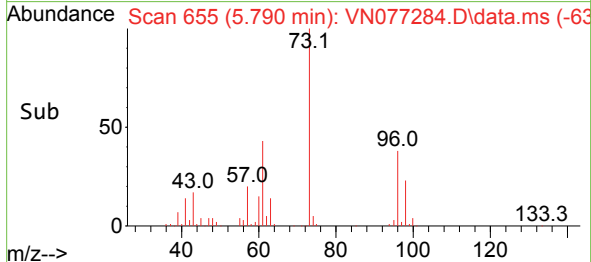
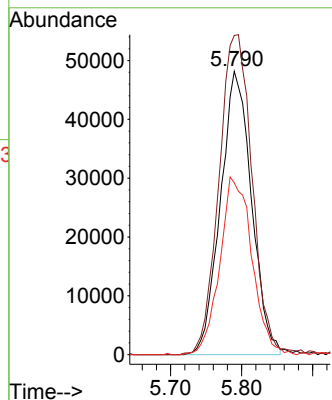
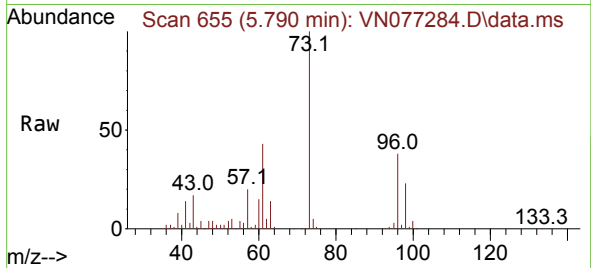




#19
trans-1,2-Dichloroethene
Concen: 19.533 ug/l
RT: 5.790 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

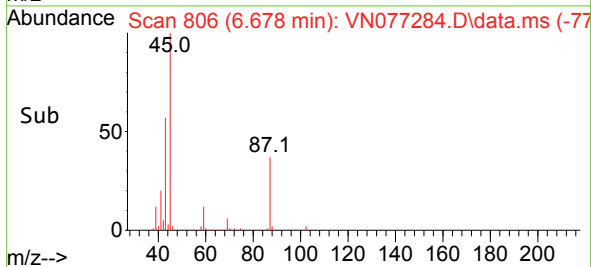
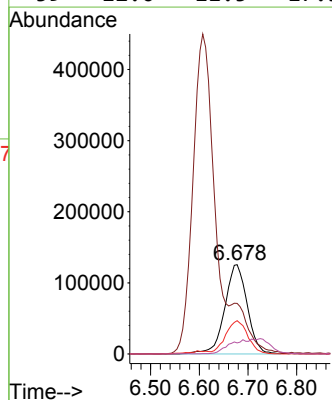
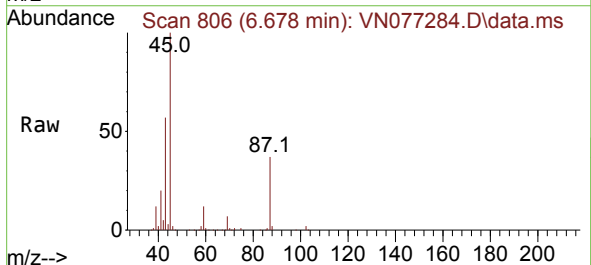
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

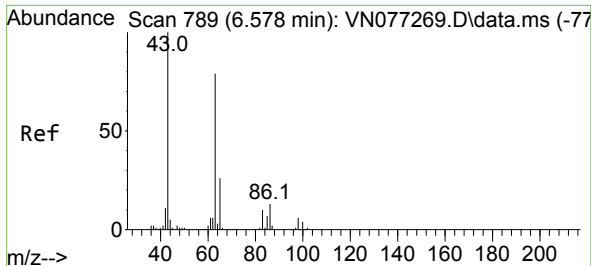
Tgt Ion: 96 Resp: 146291
Ion Ratio Lower Upper
96 100
61 112.6 94.5 141.7
98 60.6 49.8 74.8



#20
Diisopropyl ether
Concen: 19.056 ug/l
RT: 6.678 min Scan# 806
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 45 Resp: 402704
Ion Ratio Lower Upper
45 100
43 54.7 45.9 68.9
87 37.1 30.1 45.1
59 12.0 11.5 17.3

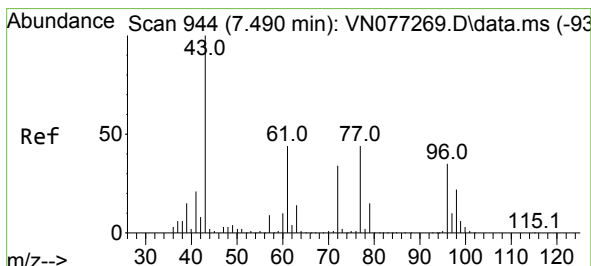
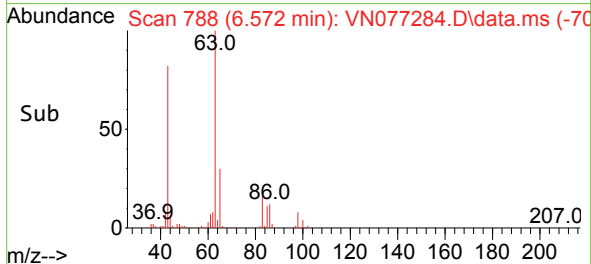
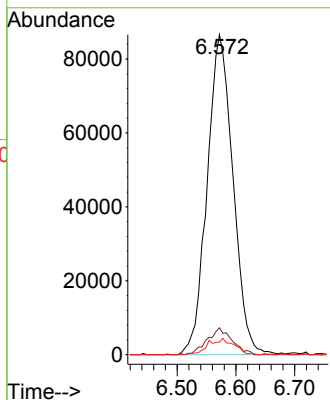
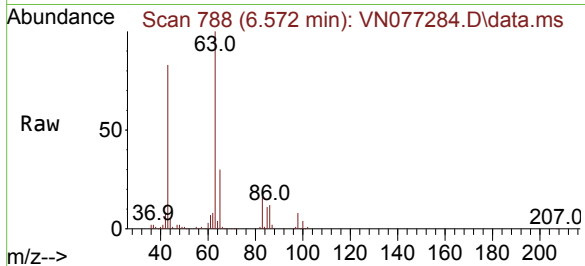




#21
1,1-Dichloroethane
Concen: 19.752 ug/l
RT: 6.572 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

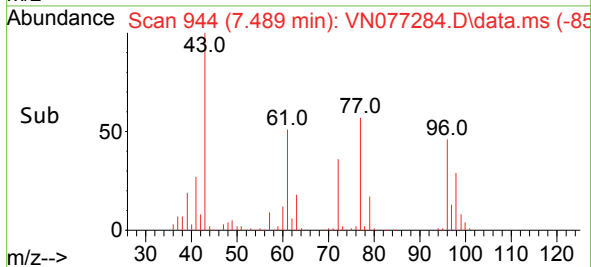
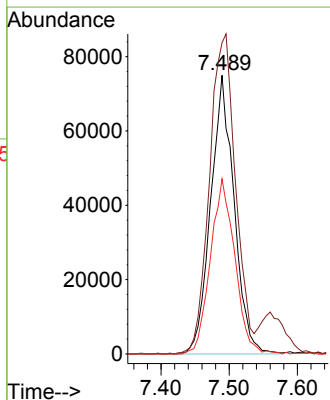
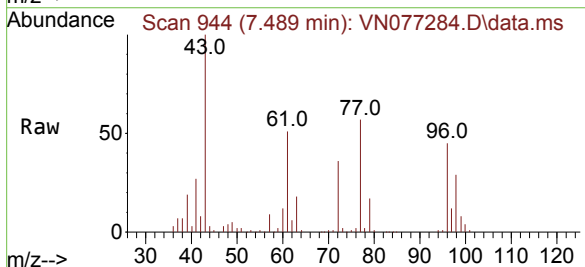
Instrument :
MSVOA_N
ClientSampleId :
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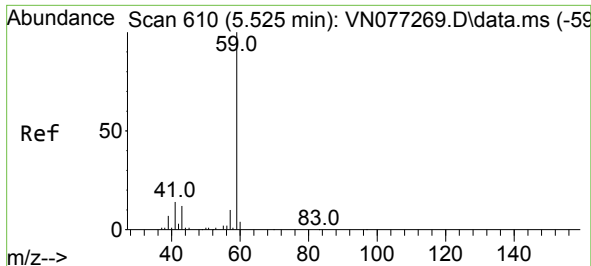
Tgt Ion: 63 Resp: 264562
Ion Ratio Lower Upper
63 100
98 8.4 3.9 11.7
100 4.0 2.3 6.8



#22
cis-1,2-Dichloroethene
Concen: 19.625 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.001 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 96 Resp: 179179
Ion Ratio Lower Upper
96 100
61 128.0 105.5 158.3
98 65.1 51.8 77.6

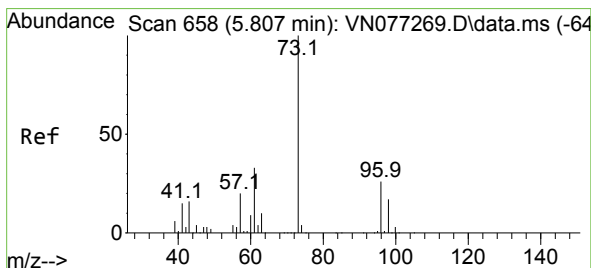
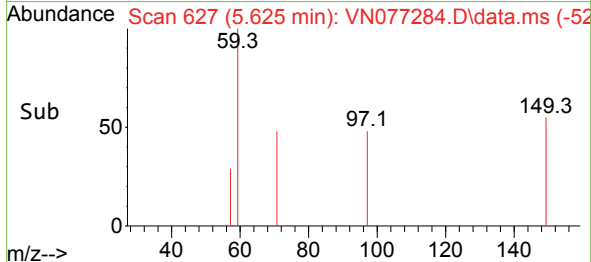
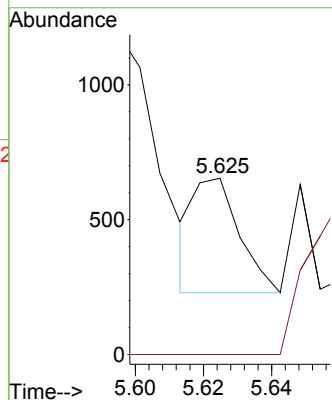
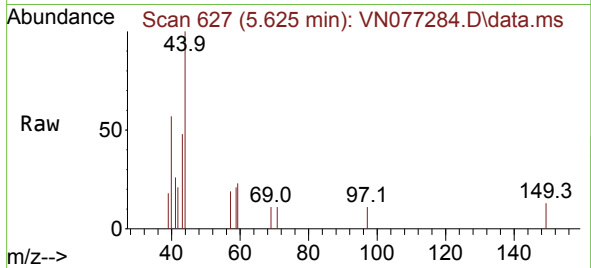




#23
tert-Butyl Alcohol
Concen: 0.255 ug/l
RT: 5.625 min Scan# 610
Delta R.T. 0.100 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

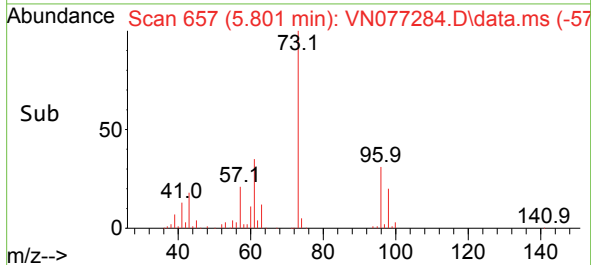
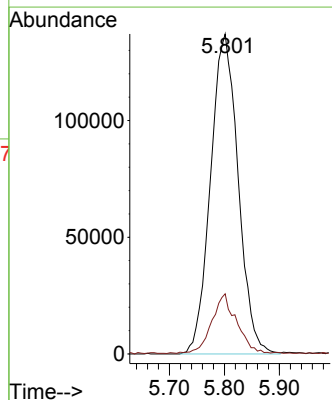
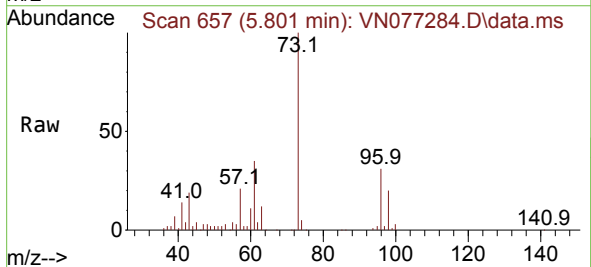
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

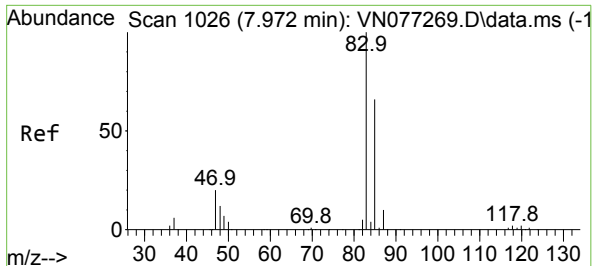
Tgt Ion: 59 Resp: 397
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#24
Methyl tert-Butyl Ether
Concen: 19.315 ug/l
RT: 5.801 min Scan# 657
Delta R.T. -0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 73 Resp: 478950
Ion Ratio Lower Upper
73 100
43 16.5 13.5 20.3





#25

Chloroform

Concen: 18.783 ug/l

RT: 7.966 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

Instrument :

MSVOA_N

ClientSampleId :

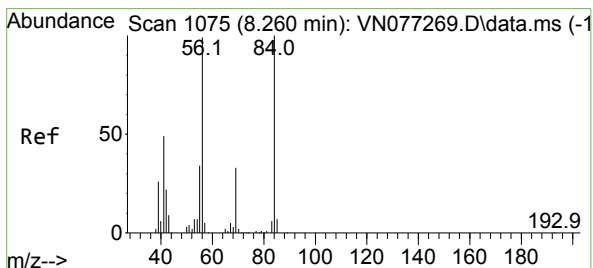
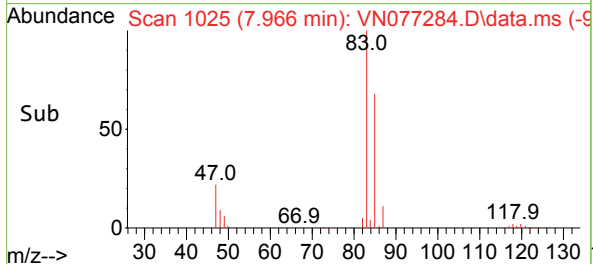
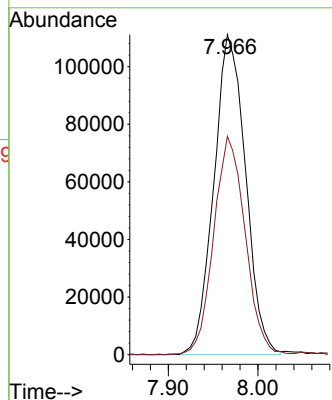
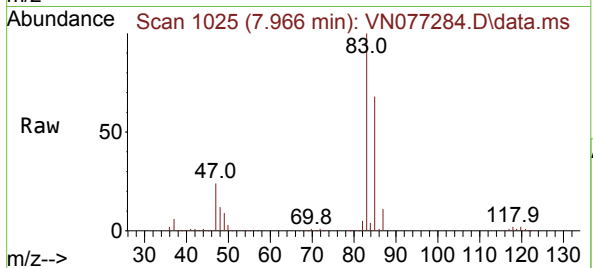
VSTDCCC020

Tgt Ion: 83 Resp: 272655

Ion Ratio Lower Upper

83 100

85 67.9 52.9 79.3



#26

Cyclohexane

Concen: 19.478 ug/l

RT: 8.260 min Scan# 1075

Delta R.T. -0.000 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

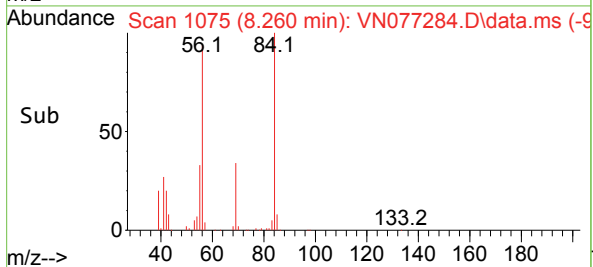
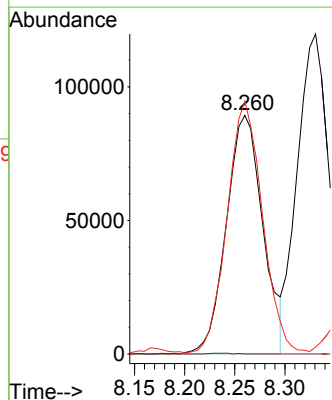
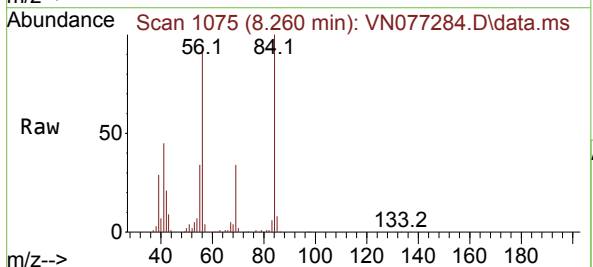
Tgt Ion: 56 Resp: 226702

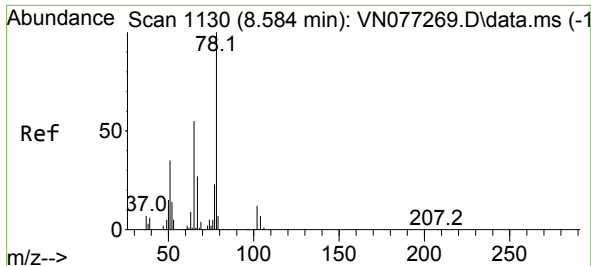
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

84 103.1 82.6 123.8





#27

1,2-Dichloroethane-d4

Concen: 29.700 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

Instrument :

MSVOA_N

ClientSampleId :

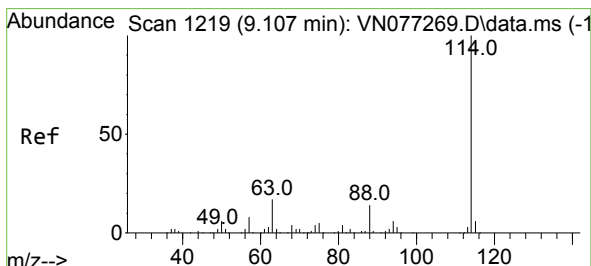
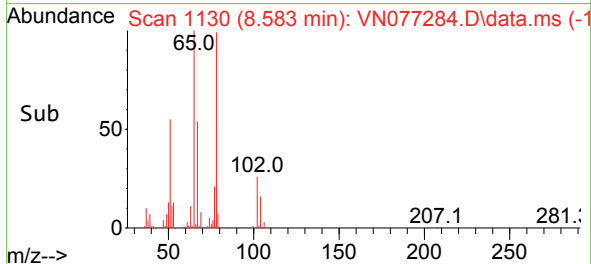
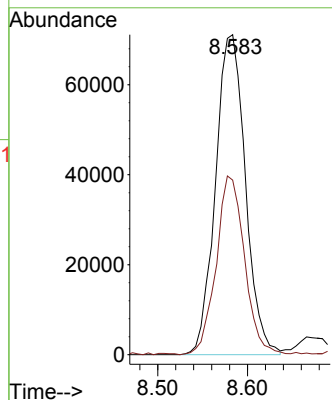
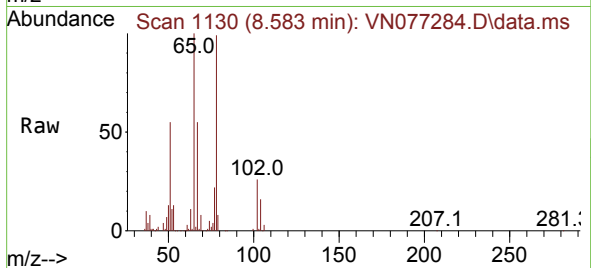
VSTDCCC020

Tgt Ion: 65 Resp: 164650

Ion Ratio Lower Upper

65 100

67 53.1 41.8 62.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

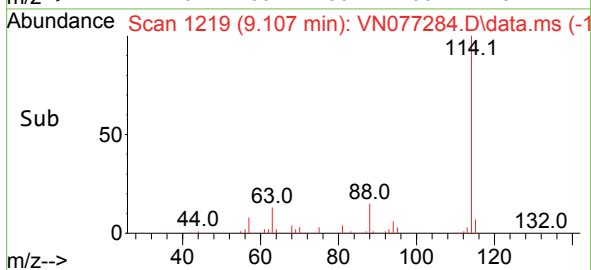
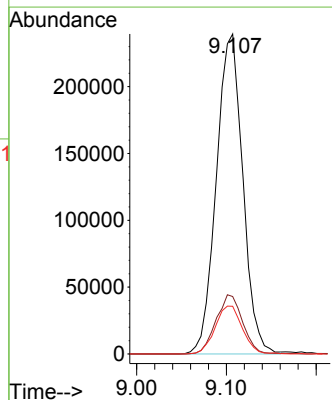
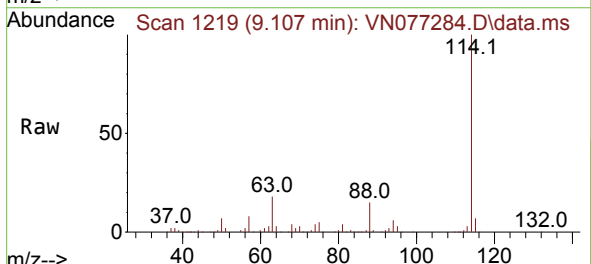
Tgt Ion: 114 Resp: 490483

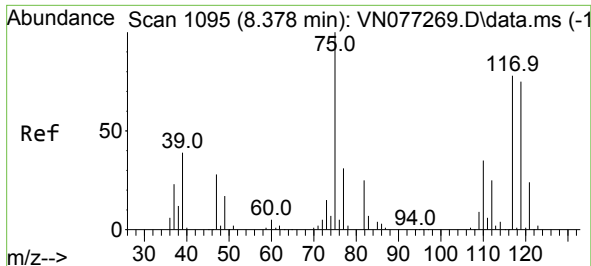
Ion Ratio Lower Upper

114 100

63 18.5 15.0 22.4

88 15.4 11.9 17.9





#29

1,1-Dichloropropene

Concen: 19.941 ug/l

RT: 8.372 min Scan# 1094

Delta R.T. -0.006 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

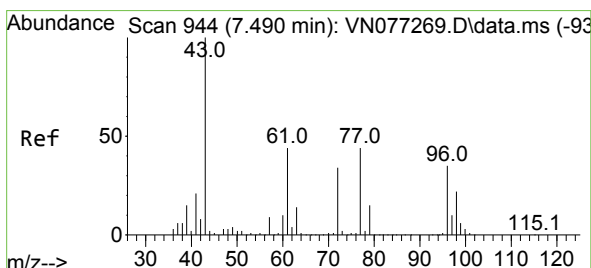
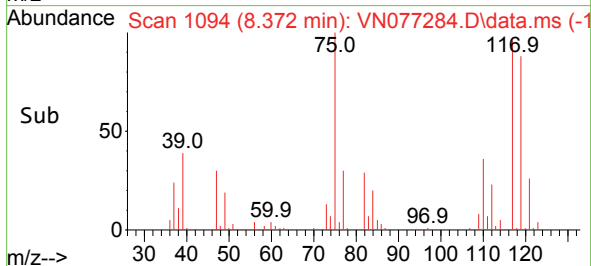
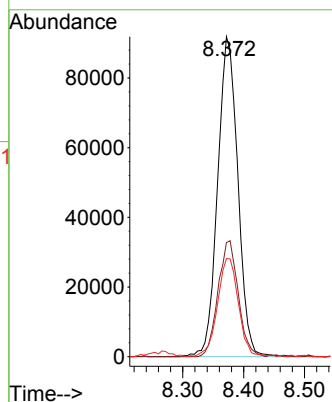
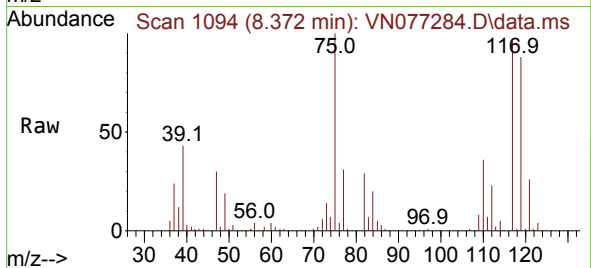
Tgt Ion: 75 Resp: 211880

Ion Ratio Lower Upper

75 100

110 36.2 0.0 72.4

77 31.7 0.0 61.4



#30

2-Butanone

Concen: 86.637 ug/l

RT: 7.484 min Scan# 943

Delta R.T. -0.006 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

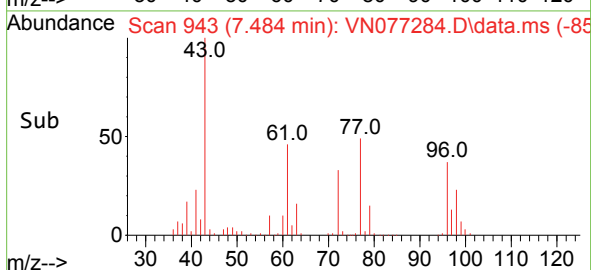
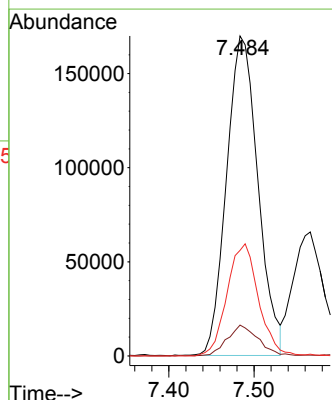
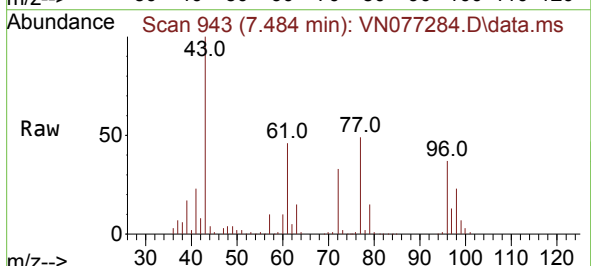
Tgt Ion: 43 Resp: 435311

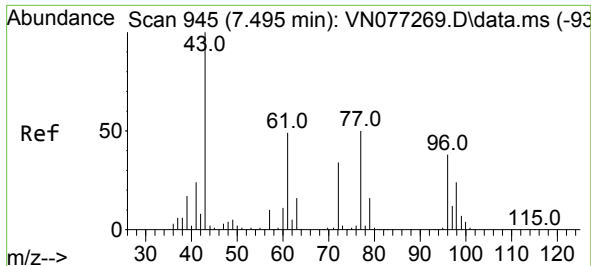
Ion Ratio Lower Upper

43 100

57 9.4 7.5 11.3

72 35.1 26.9 40.3

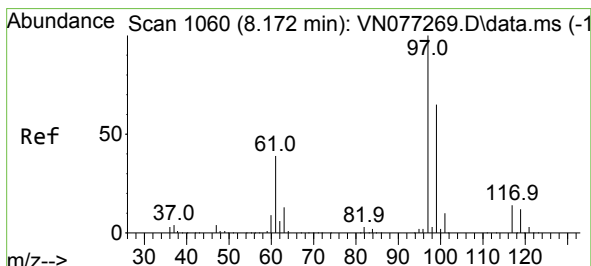
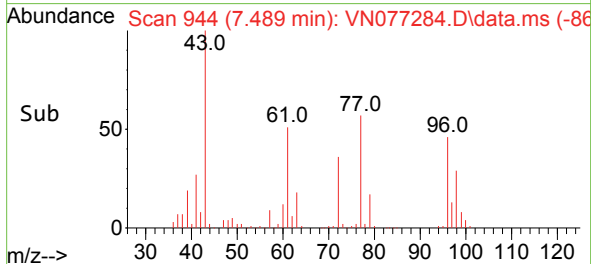
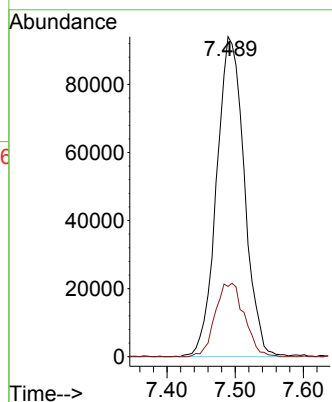
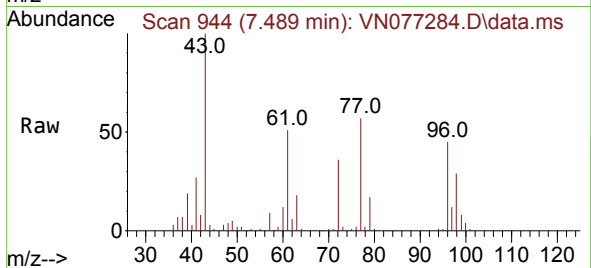




#31
2,2-Dichloropropane
Concen: 20.401 ug/l
RT: 7.489 min Scan# 945
Delta R.T. -0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

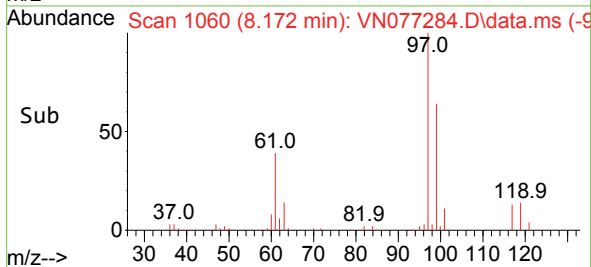
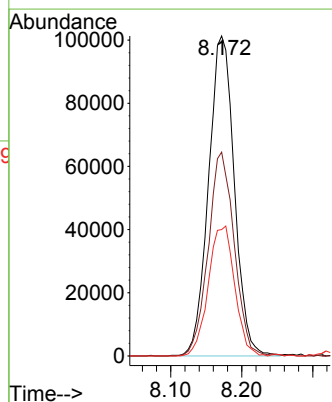
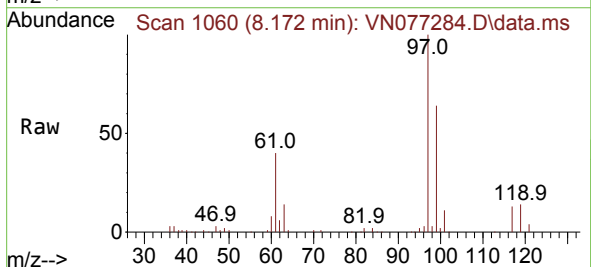
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

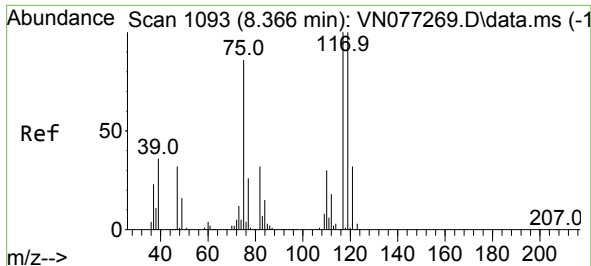
Tgt Ion: 77 Resp: 266096
Ion Ratio Lower Upper
77 100
97 12.1 18.8 28.2#



#32
1,1,1-Trichloroethane
Concen: 19.526 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 97 Resp: 255321
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 41.5 32.4 48.6

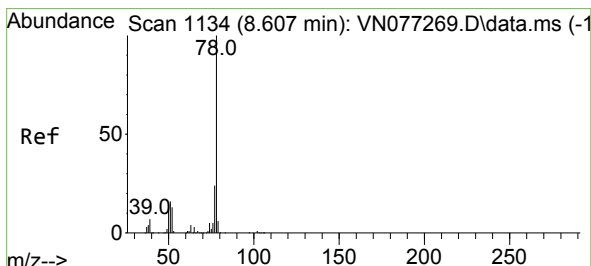
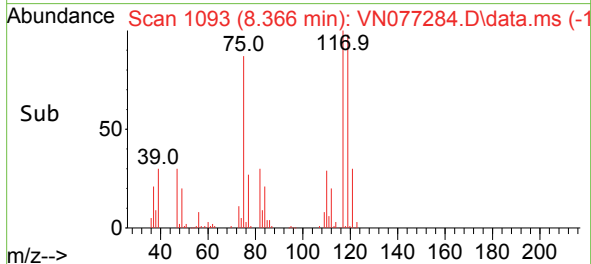
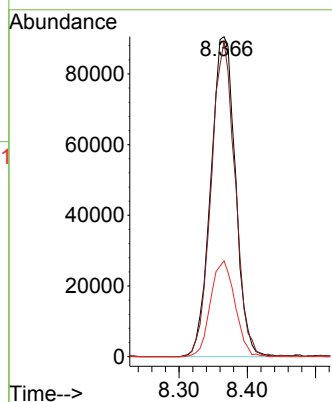
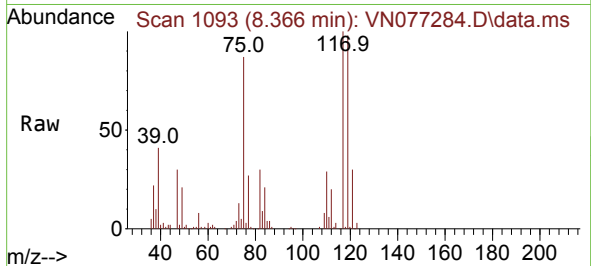




#33
Carbon Tetrachloride
Concen: 20.420 ug/l
RT: 8.366 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

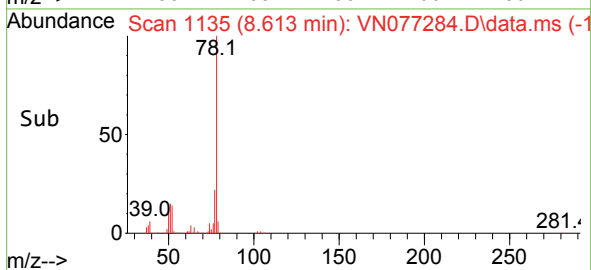
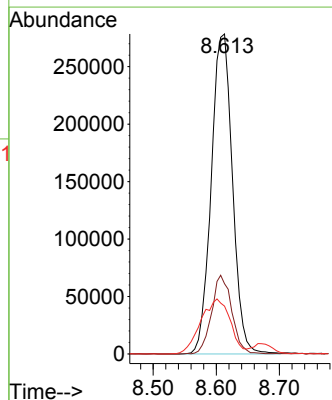
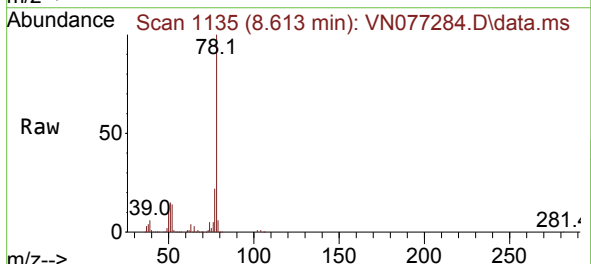
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

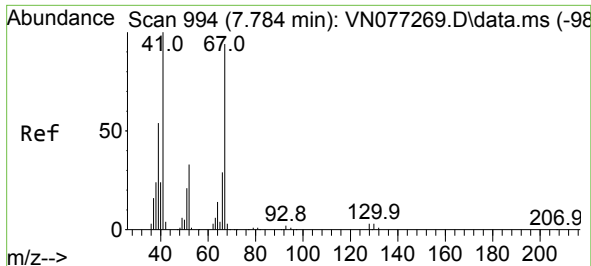
Tgt Ion:117 Resp: 227897
Ion Ratio Lower Upper
117 100
119 98.5 80.2 120.4
121 30.0 26.0 39.0



#34
Benzene
Concen: 19.790 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 78 Resp: 650607
Ion Ratio Lower Upper
78 100
77 22.0 19.4 29.0
51 14.6 12.6 19.0

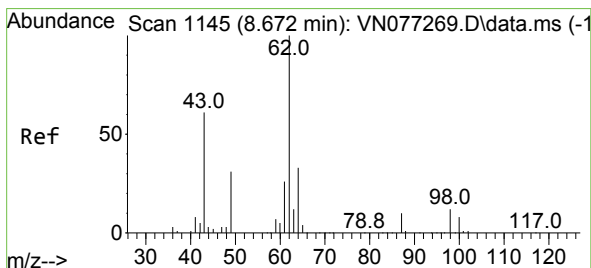
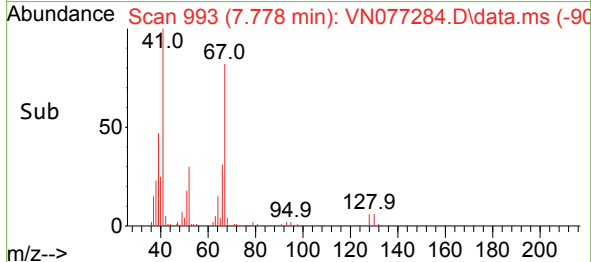
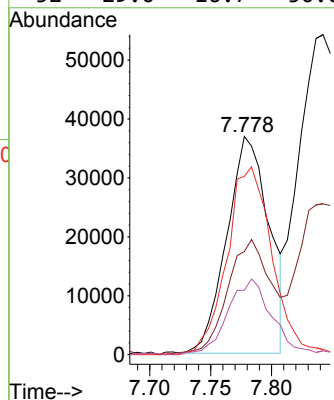
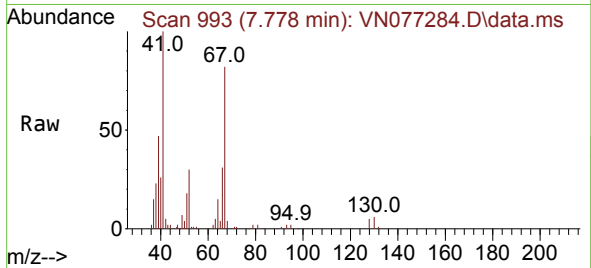




#35
Methacrylonitrile
Concen: 18.745 ug/l
RT: 7.778 min Scan# 994
Delta R.T. -0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

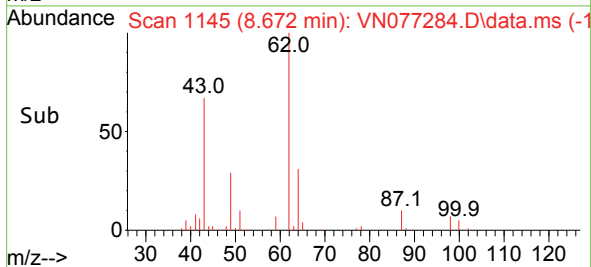
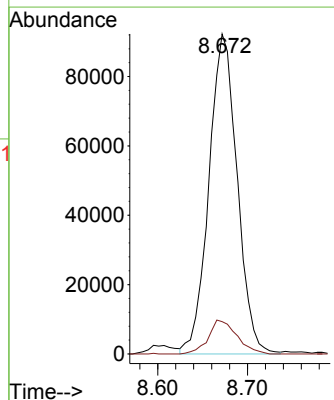
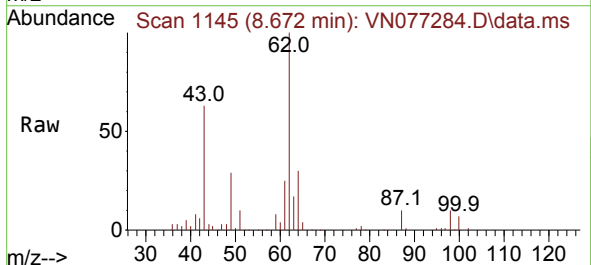
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

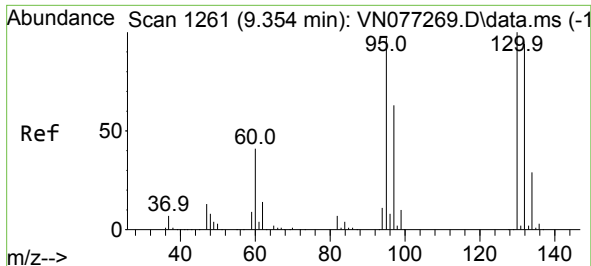
Tgt Ion:	41	Resp:	88724
Ion	Ratio	Lower	Upper
41	100		
39	46.6	27.1	81.2
67	82.3	46.8	140.4
52	29.0	16.7	50.0



#36
1,2-Dichloroethane
Concen: 19.595 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion:	62	Resp:	201973
Ion	Ratio	Lower	Upper
62	100		
98	10.7	8.3	12.5

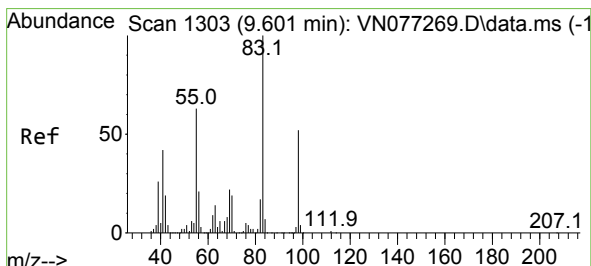
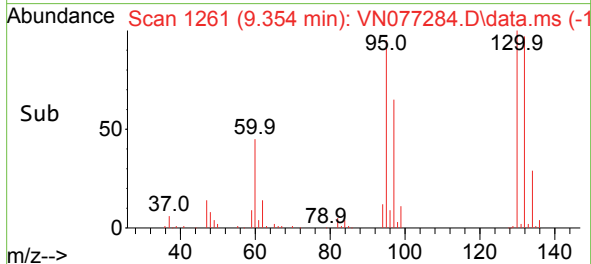
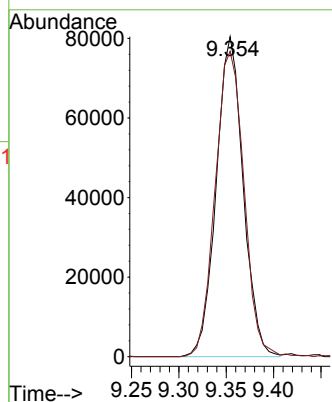
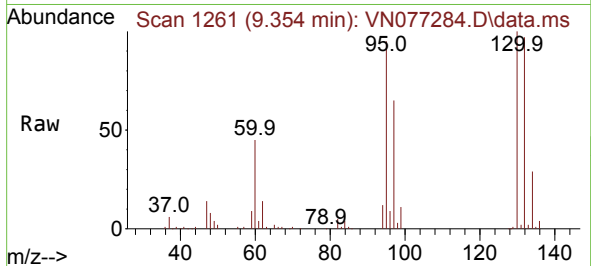




#37
Trichloroethene
Concen: 19.781 ug/l
RT: 9.354 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

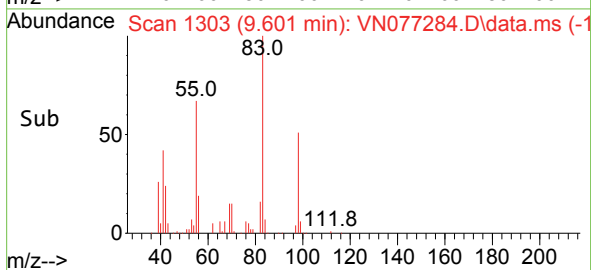
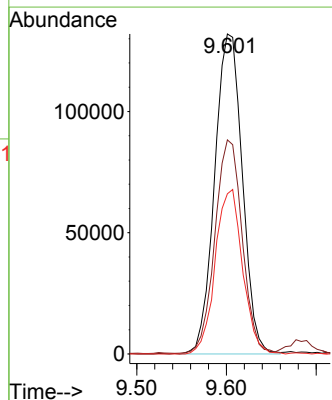
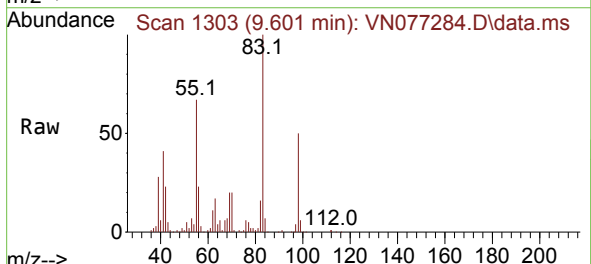
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

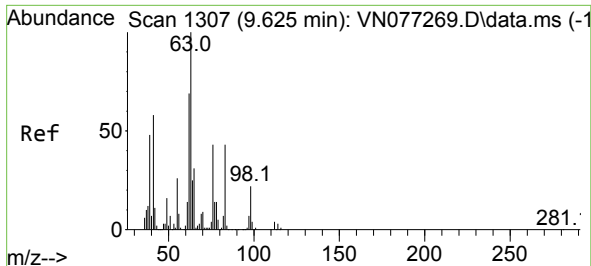
Tgt Ion:130 Resp: 159070
Ion Ratio Lower Upper
130 100
95 95.5 77.5 116.3



#38
Methylcyclohexane
Concen: 19.630 ug/l
RT: 9.601 min Scan# 1303
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 83 Resp: 282874
Ion Ratio Lower Upper
83 100
55 66.0 32.0 96.2
98 50.7 25.3 75.9





#39

1,2-Dichloropropane

Concen: 19.683 ug/l

RT: 9.625 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

Instrument :

MSVOA_N

ClientSampleId :

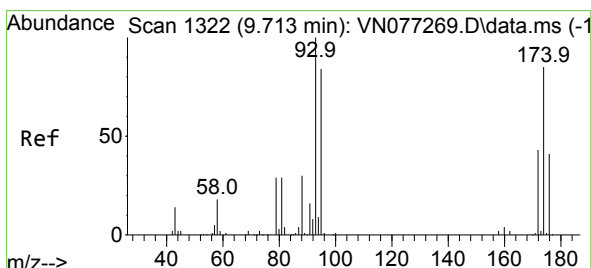
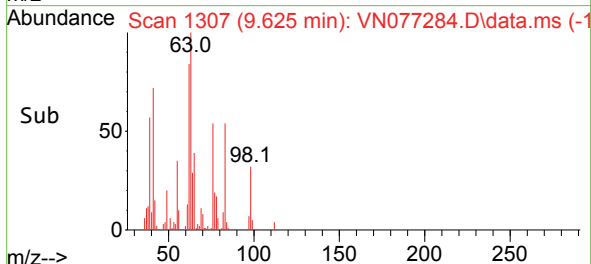
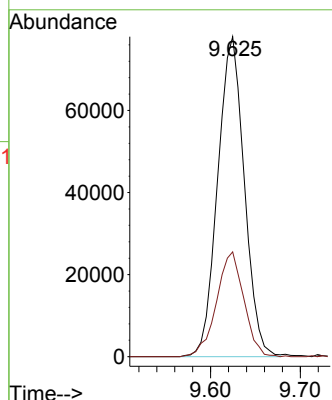
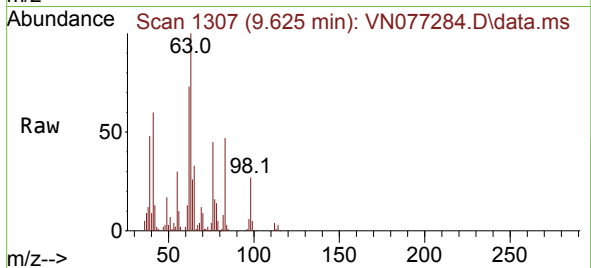
VSTDCCC020

Tgt Ion: 63 Resp: 160638

Ion Ratio Lower Upper

63 100

65 32.8 24.8 37.2



#40

Dibromomethane

Concen: 19.670 ug/l

RT: 9.707 min Scan# 1321

Delta R.T. -0.006 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

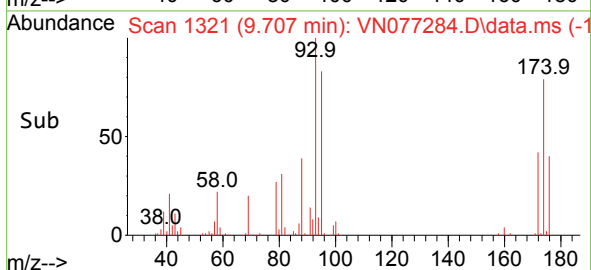
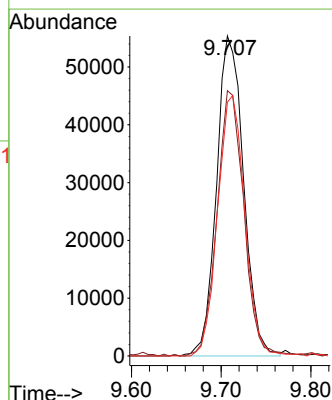
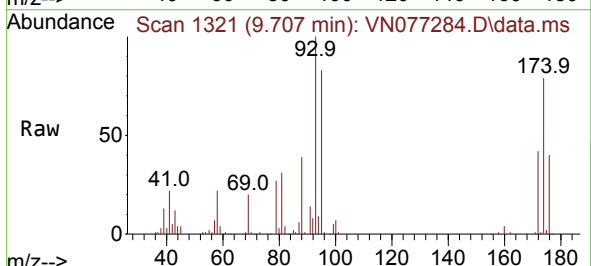
Tgt Ion: 93 Resp: 115668

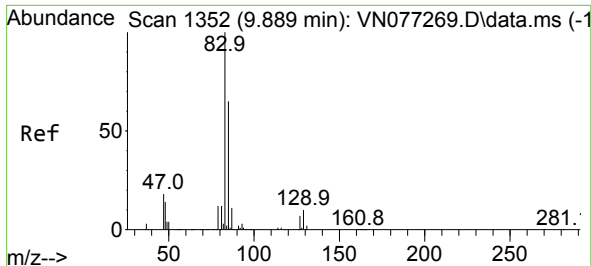
Ion Ratio Lower Upper

93 100

95 82.3 0.0 166.4

174 81.7 0.0 164.8

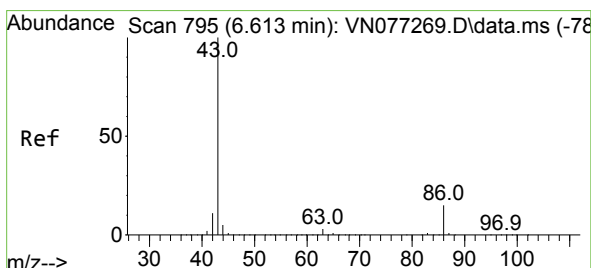
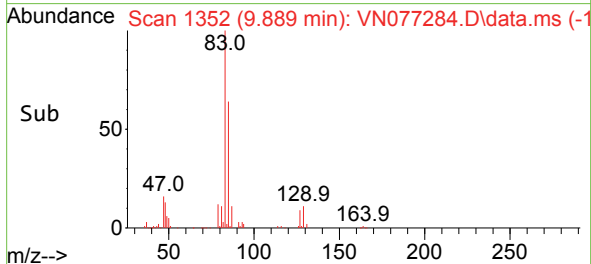
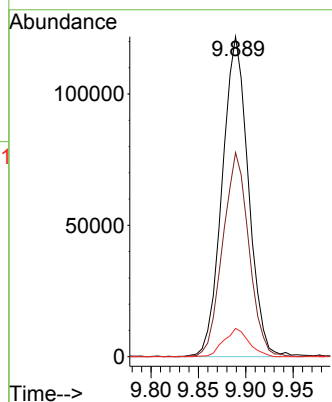
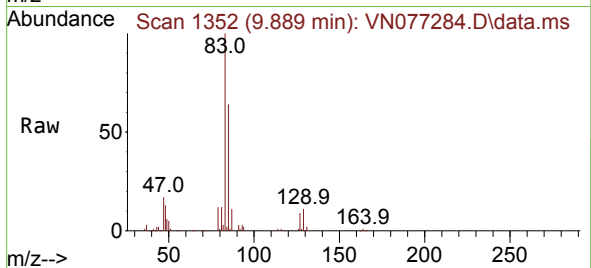




#41
Bromodichloromethane
Concen: 19.958 ug/l
RT: 9.889 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

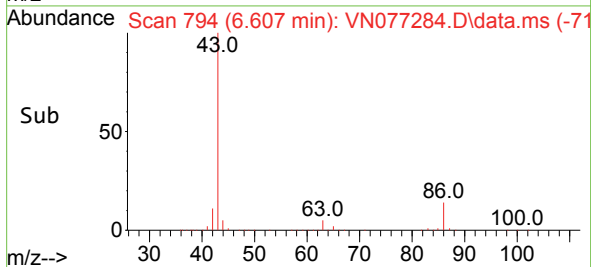
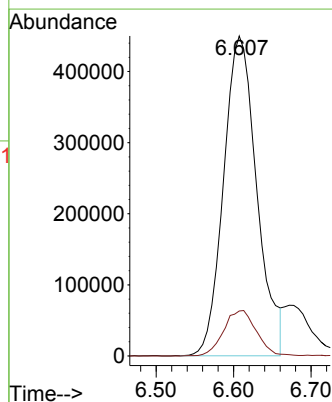
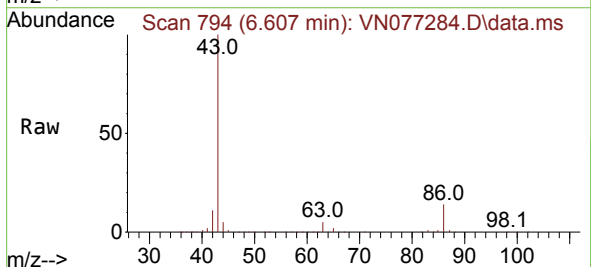
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

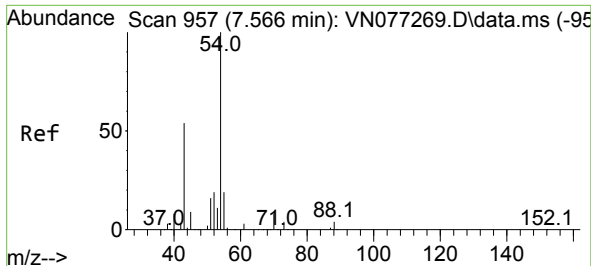
Tgt Ion: 83 Resp: 234017
Ion Ratio Lower Upper
83 100
85 63.7 52.3 78.5
127 8.8 5.9 8.9



#42
Vinyl Acetate
Concen: 92.520 ug/l
RT: 6.607 min Scan# 794
Delta R.T. -0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 43 Resp: 1345423
Ion Ratio Lower Upper
43 100
86 14.1 0.0 0.0#

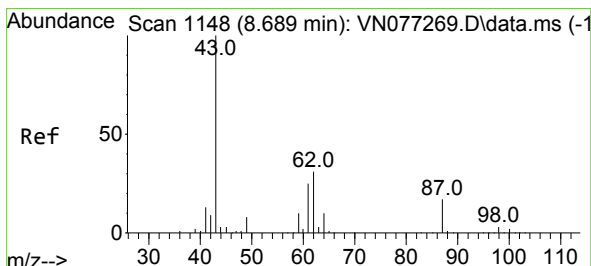
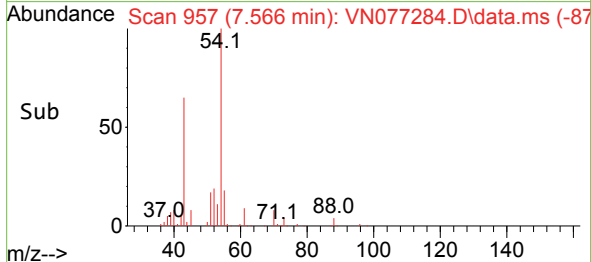
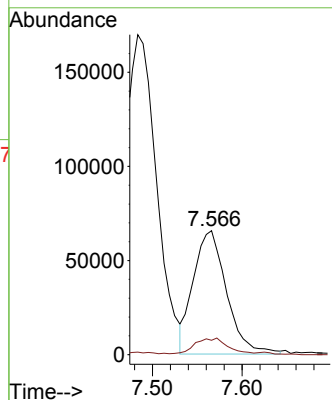
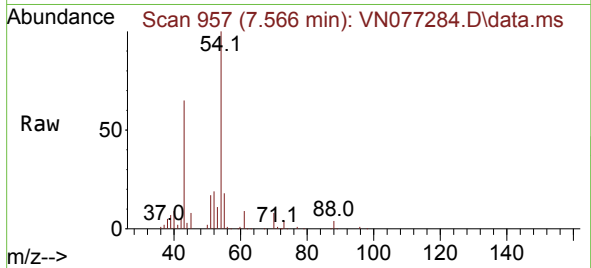




#43
Ethyl Acetate
Concen: 18.178 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

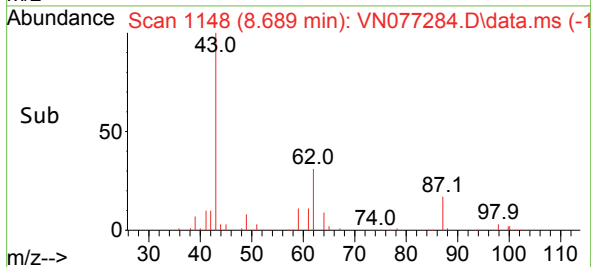
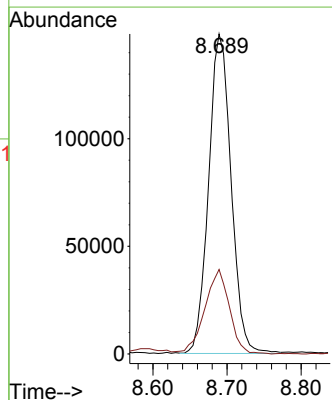
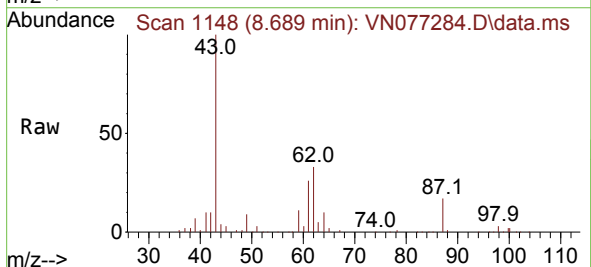
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MSVOA_N
ClientSampleId :
VSTDCCC020

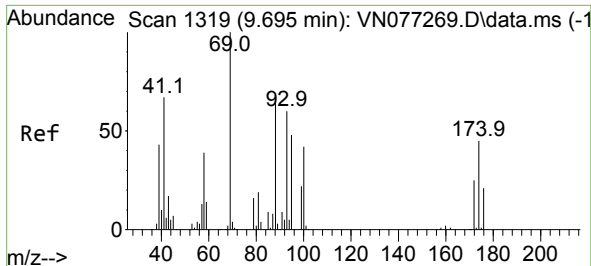
Tgt Ion: 43 Resp: 168977
Ion Ratio Lower Upper
43 100
45 12.9 12.3 18.5



#44
Isopropyl Acetate
Concen: 18.822 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 43 Resp: 313276
Ion Ratio Lower Upper
43 100
61 28.0 0.0 0.0#

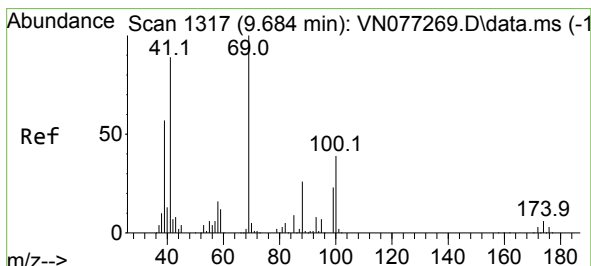
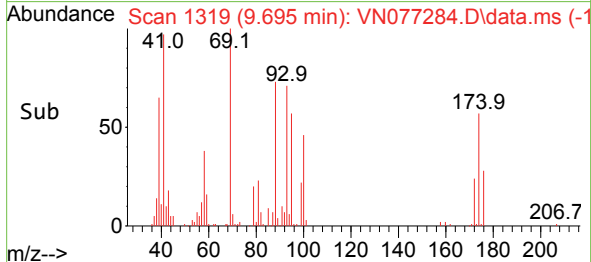
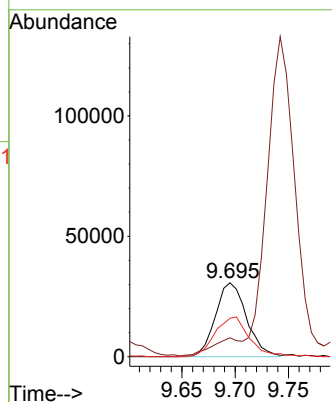
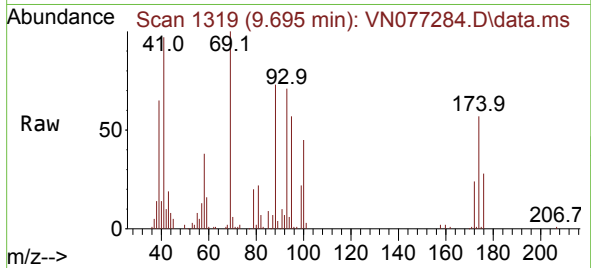




#45
1,4-Dioxane
Concen: 354.729 ug/l
RT: 9.695 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

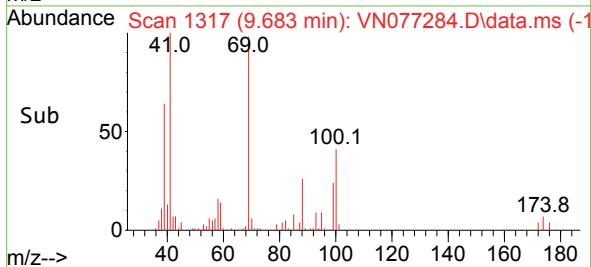
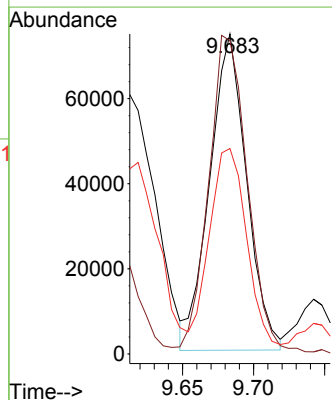
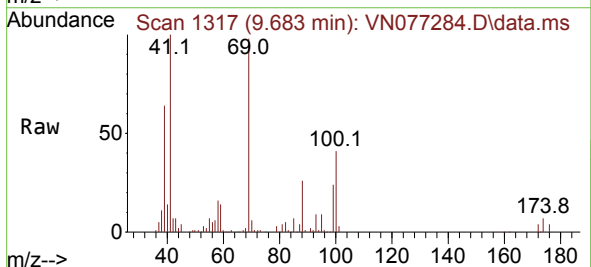
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

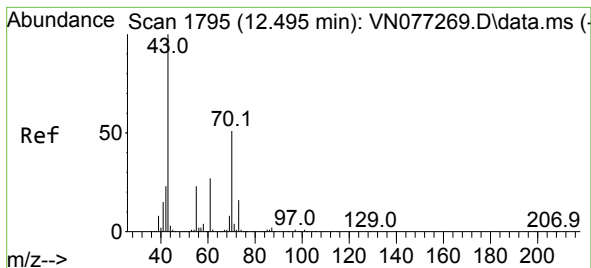
Tgt Ion: 88 Resp: 62268
Ion Ratio Lower Upper
88 100
43 22.9 17.4 26.0
58 59.2 48.2 72.4



#46
Methyl methacrylate
Concen: 18.685 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. -0.001 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 41 Resp: 133895
Ion Ratio Lower Upper
41 100
69 100.3 54.5 163.5
39 64.2 33.4 100.2





#47

n-amyl acetate

Concen: 18.253 ug/l

RT: 12.495 min Scan# 1795

Delta R.T. -0.000 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

Instrument :

MSVOA_N

ClientSampleId :

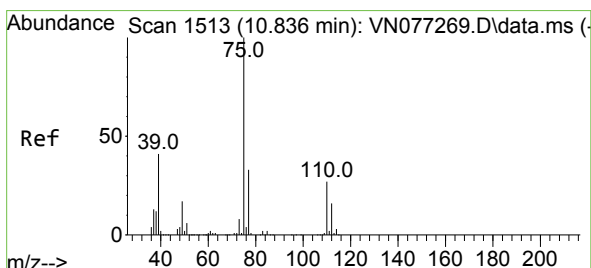
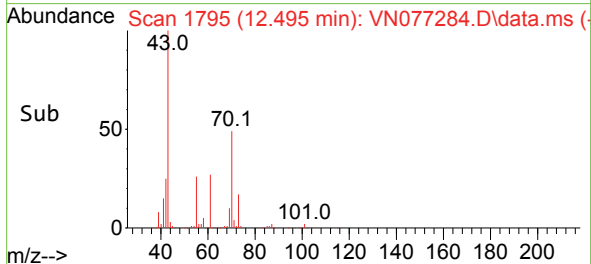
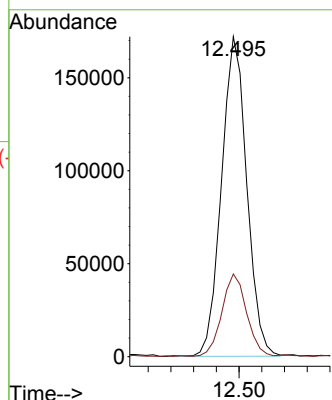
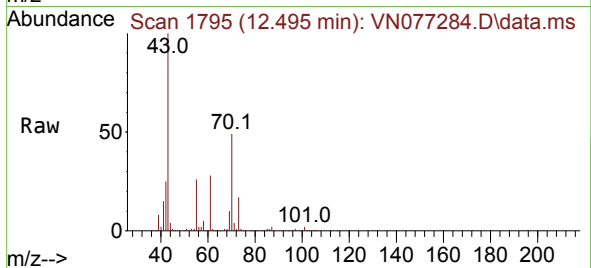
VSTDCCC020

Tgt Ion: 43 Resp: 265493

Ion Ratio Lower Upper

43 100

55 25.0 19.4 29.0



#48

t-1,3-Dichloropropene

Concen: 19.722 ug/l

RT: 10.836 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VN077284.D

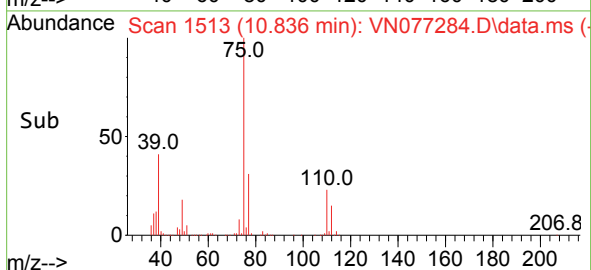
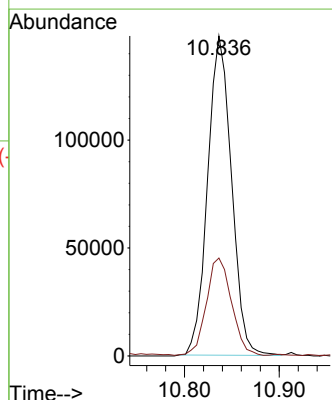
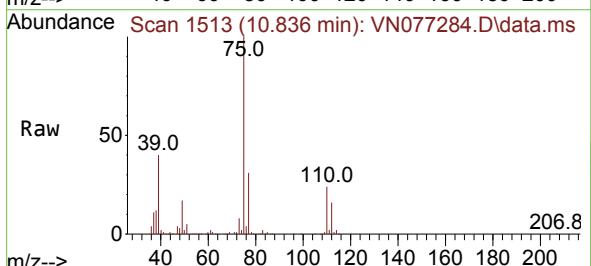
Acq: 10 Apr 2023 09:48

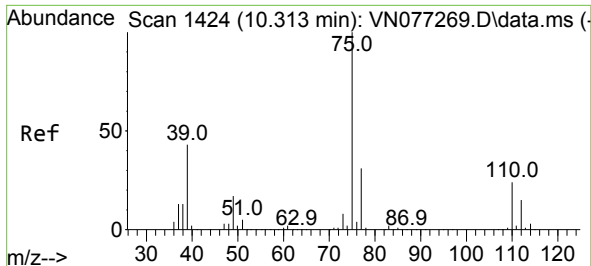
Tgt Ion: 75 Resp: 258809

Ion Ratio Lower Upper

75 100

77 30.3 26.5 39.7

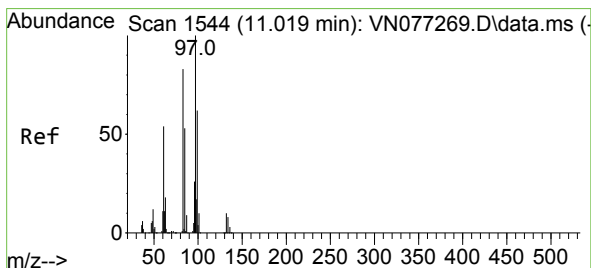
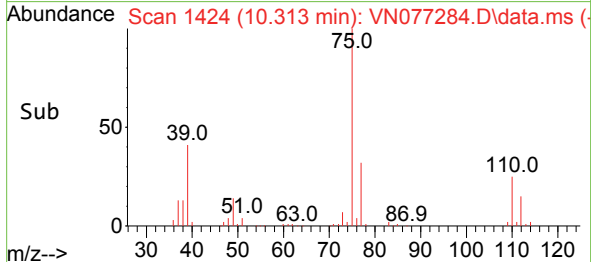
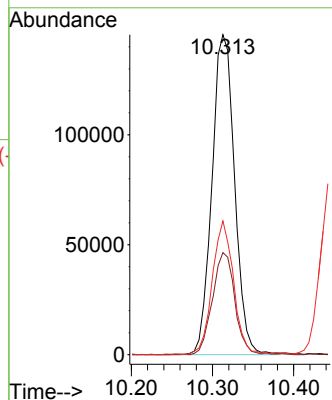
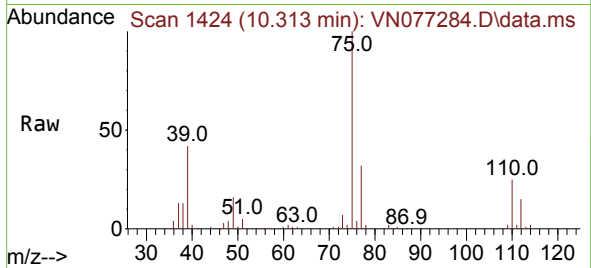




#49
 cis-1,3-Dichloropropene
 Concen: 20.212 ug/l
 RT: 10.313 min Scan# 1424
 Delta R.T. -0.000 min
 Lab File: VN077284.D
 Acq: 10 Apr 2023 09:48

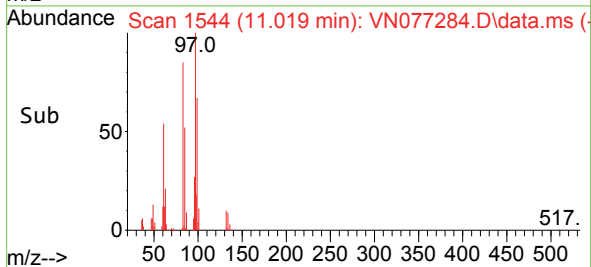
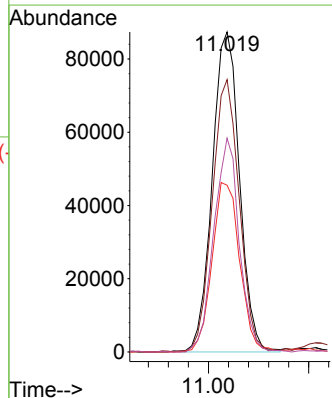
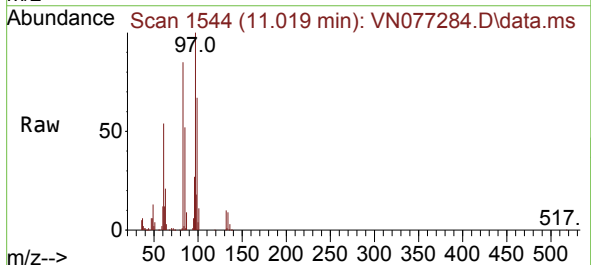
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

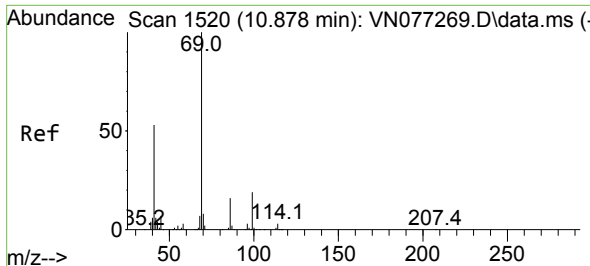
Tgt Ion: 75 Resp: 282166
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.6
 39 41.7 34.4 51.6



#50
 1,1,2-Trichloroethane
 Concen: 19.321 ug/l
 RT: 11.019 min Scan# 1544
 Delta R.T. -0.000 min
 Lab File: VN077284.D
 Acq: 10 Apr 2023 09:48

Tgt Ion: 97 Resp: 165028
 Ion Ratio Lower Upper
 97 100
 83 84.9 66.7 100.1
 85 52.2 42.4 63.6
 99 66.9 49.3 73.9

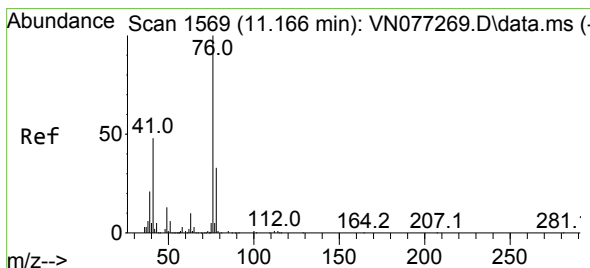
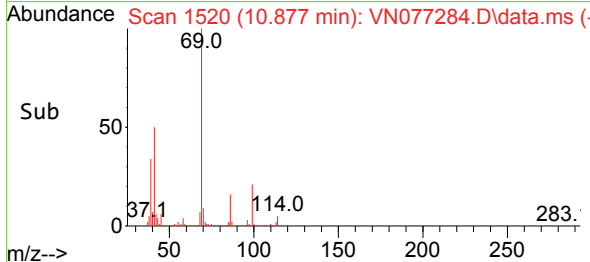
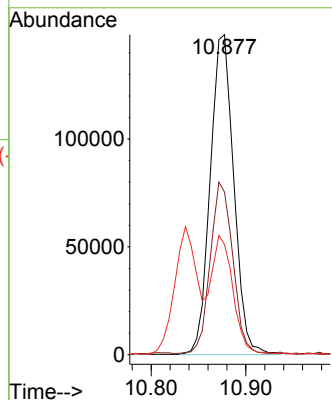
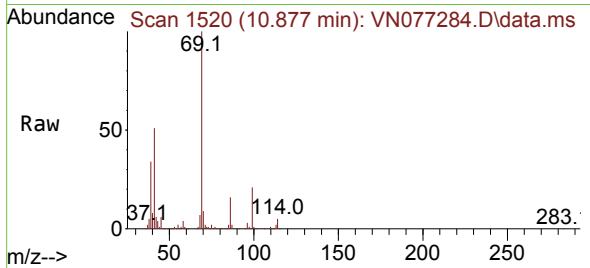




#51
Ethyl methacrylate
Concen: 19.607 ug/l
RT: 10.877 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

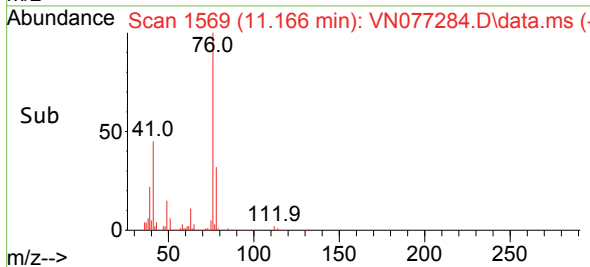
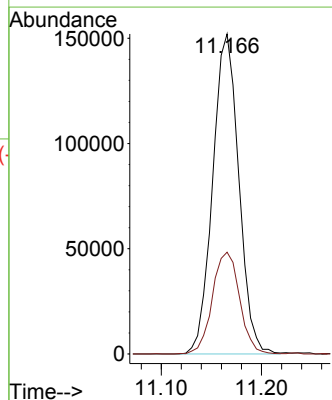
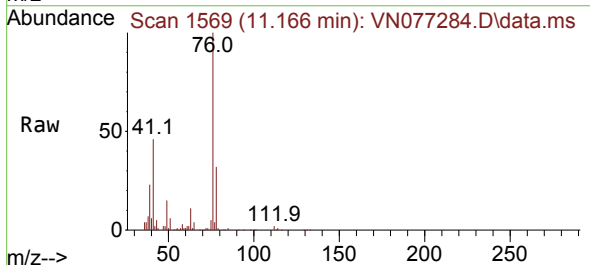
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

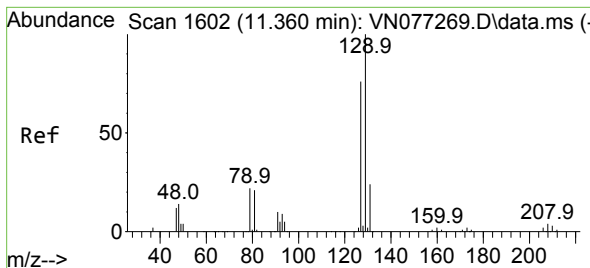
Tgt Ion: 69 Resp: 257186
Ion Ratio Lower Upper
69 100
41 50.4 26.7 80.0
39 33.9 17.0 50.9



#52
1,3-Dichloropropane
Concen: 19.292 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 76 Resp: 275013
Ion Ratio Lower Upper
76 100
78 33.1 0.0 65.0





#53

Dibromochloromethane

Concen: 20.306 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

Instrument :

MSVOA_N

ClientSampleId :

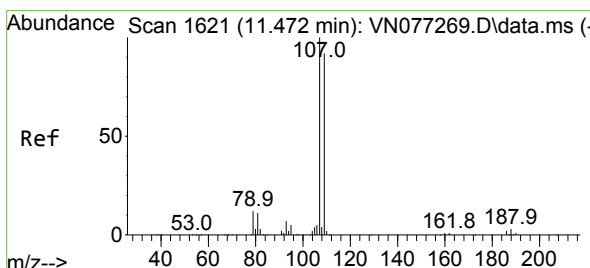
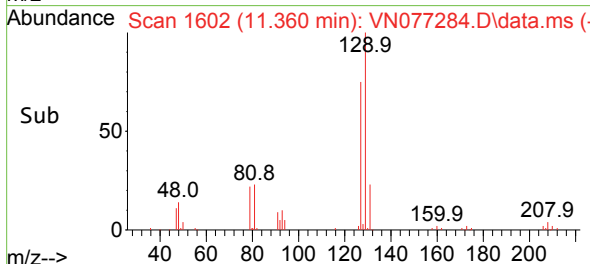
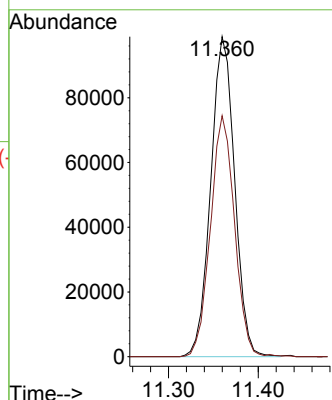
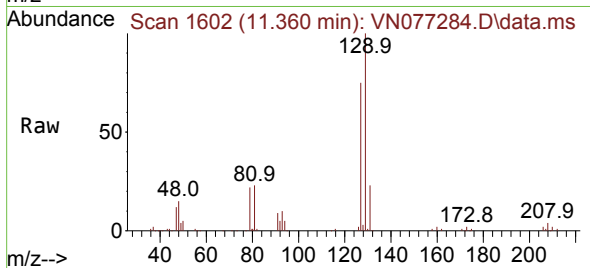
VSTDCCC020

Tgt Ion:129 Resp: 182798

Ion Ratio Lower Upper

129 100

127 75.6 38.6 115.8



#54

1,2-Dibromoethane

Concen: 19.428 ug/l

RT: 11.472 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VN077284.D

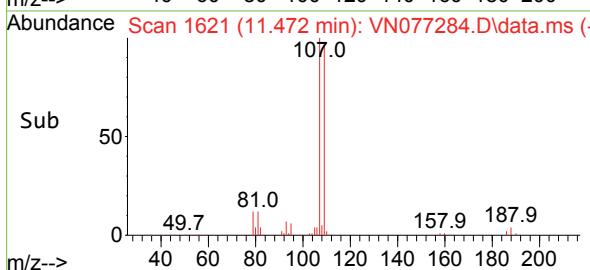
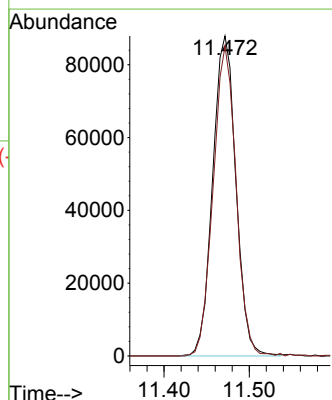
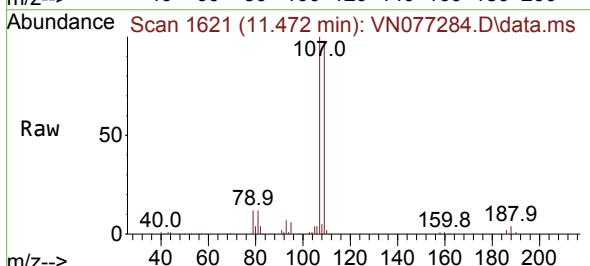
Acq: 10 Apr 2023 09:48

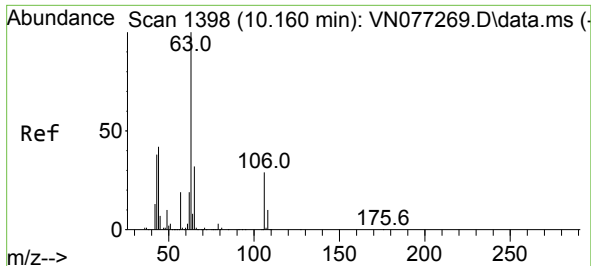
Tgt Ion:107 Resp: 166586

Ion Ratio Lower Upper

107 100

109 95.1 74.1 111.1

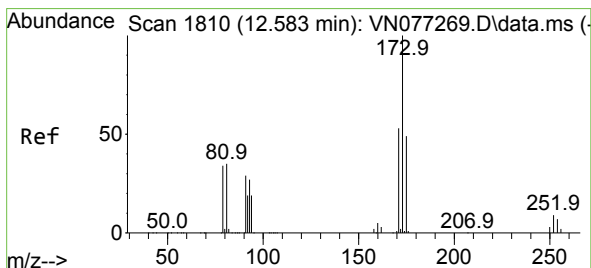
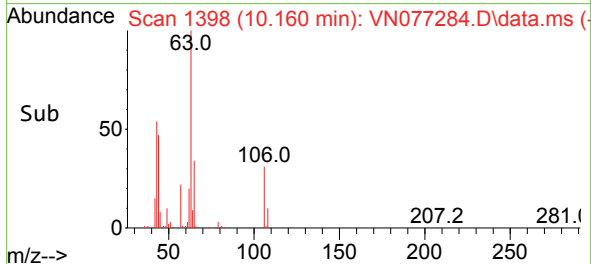
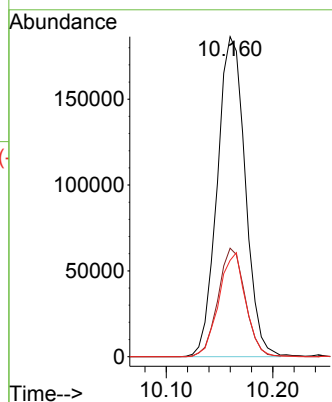
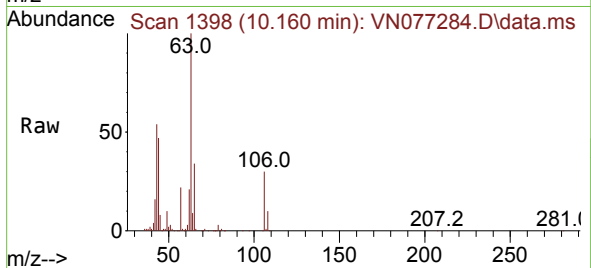




#55
2-Chloroethyl vinyl ether
Concen: 84.068 ug/l
RT: 10.160 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

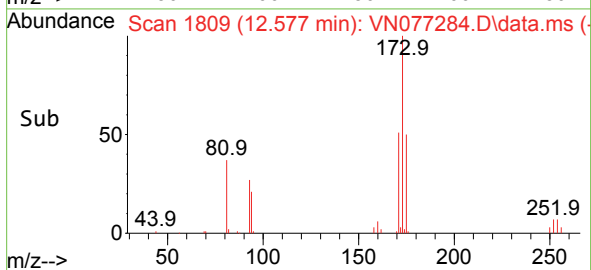
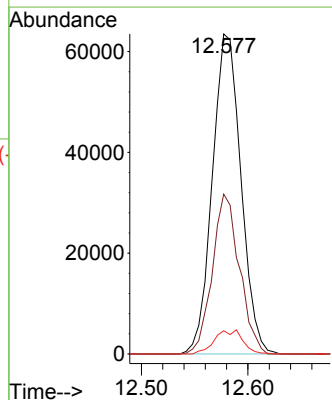
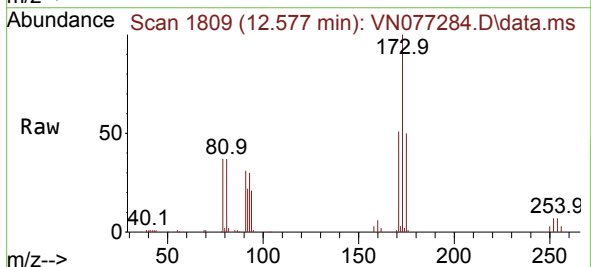
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

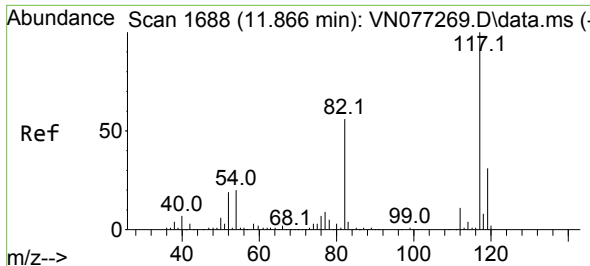
Tgt Ion: 63 Resp: 340449
Ion Ratio Lower Upper
63 100
65 32.9 25.7 38.5
106 31.1 24.0 36.0



#56
Bromoform
Concen: 19.566 ug/l
RT: 12.577 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion:173 Resp: 118317
Ion Ratio Lower Upper
173 100
175 47.3 38.2 57.2
254 4.6 6.0 9.0#

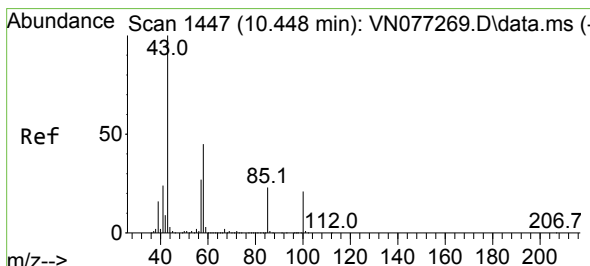
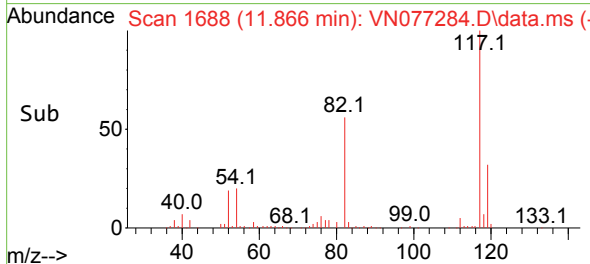
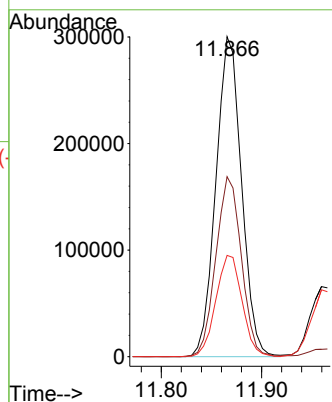
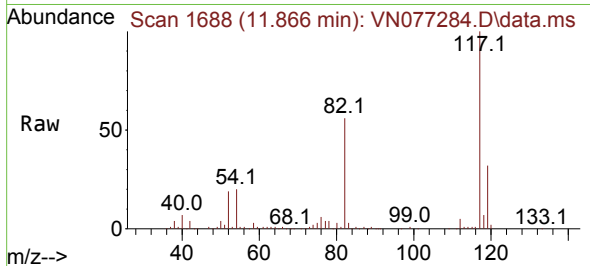




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

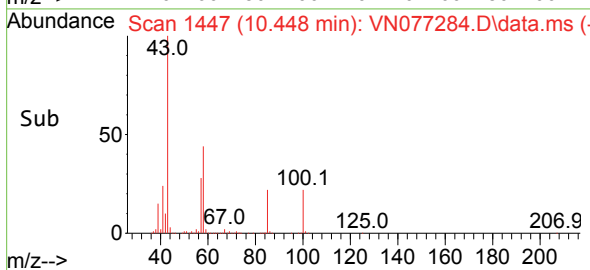
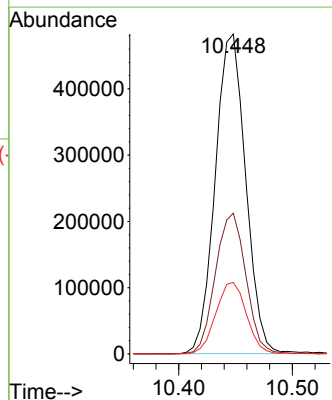
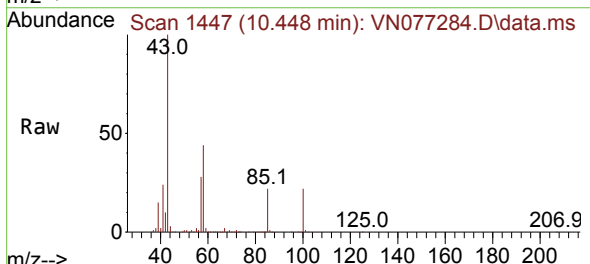
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

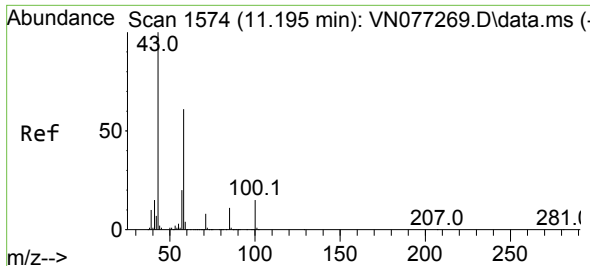
Tgt Ion:117 Resp: 531510
Ion Ratio Lower Upper
117 100
82 55.9 43.8 65.8
119 32.4 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 90.088 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 43 Resp: 896530
Ion Ratio Lower Upper
43 100
58 44.2 34.7 52.1
85 22.6 17.8 26.8

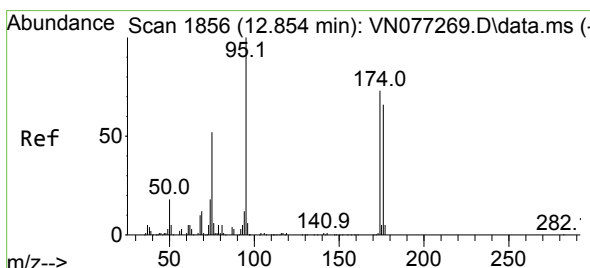
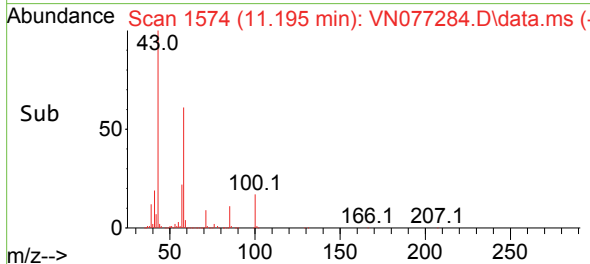
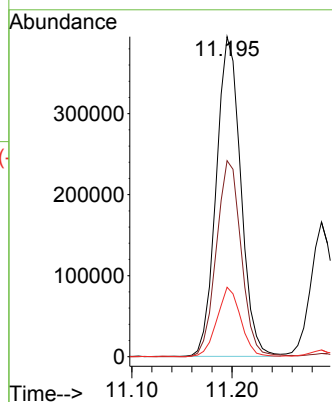
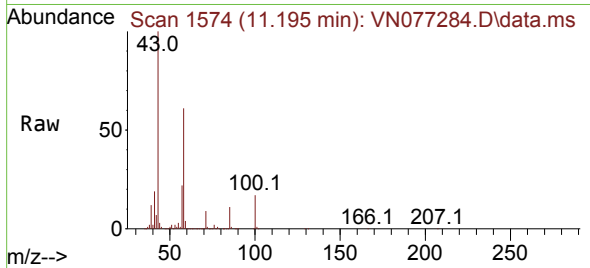




#59
2-Hexanone
Concen: 87.015 ug/l
RT: 11.195 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

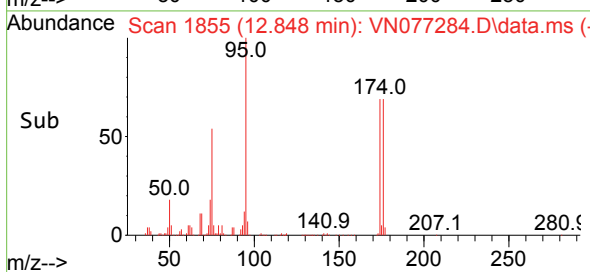
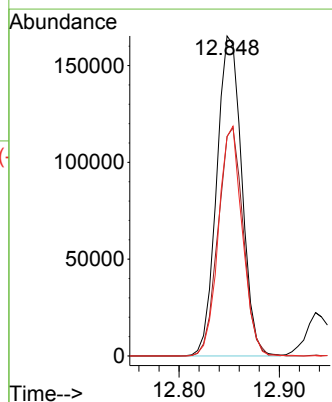
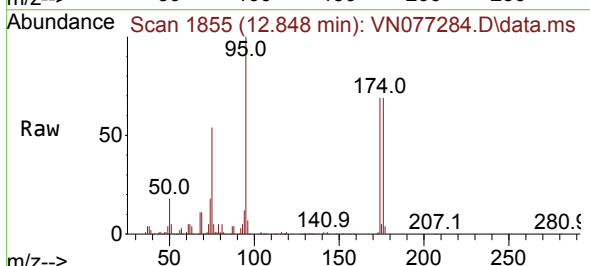
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

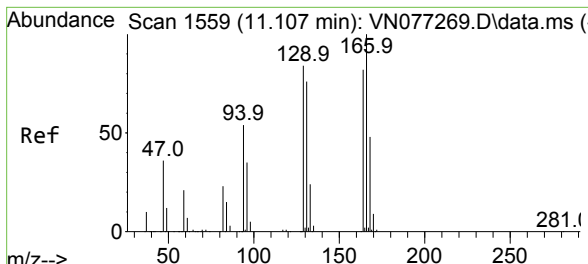
Tgt Ion: 43 Resp: 669347
Ion Ratio Lower Upper
43 100
58 62.4 48.6 73.0
57 21.1 16.7 25.1



#60
4-Bromofluorobenzene
Concen: 31.236 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 95 Resp: 287073
Ion Ratio Lower Upper
95 100
174 71.0 57.8 86.8
176 68.3 54.6 81.8



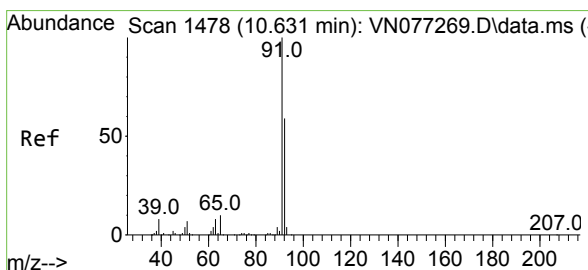
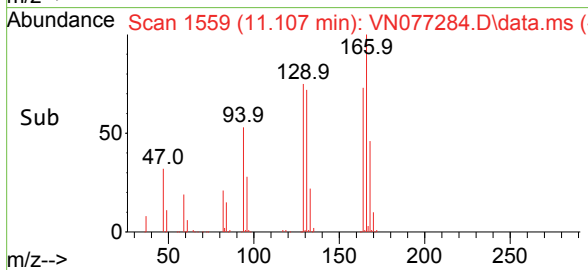
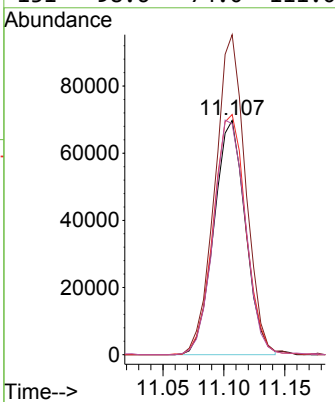
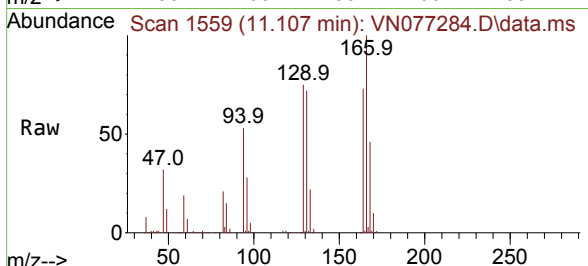


#61
 Tetrachloroethene
 Concen: 19.807 ug/l
 RT: 11.107 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN077284.D
 Acq: 10 Apr 2023 09:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:164 Resp: 125216

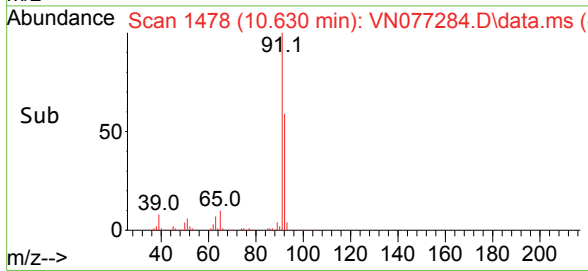
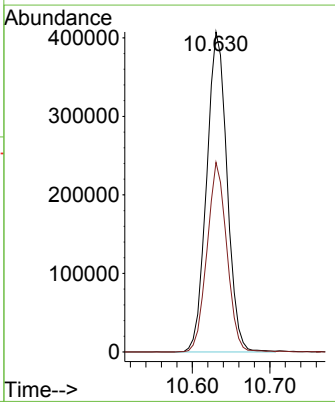
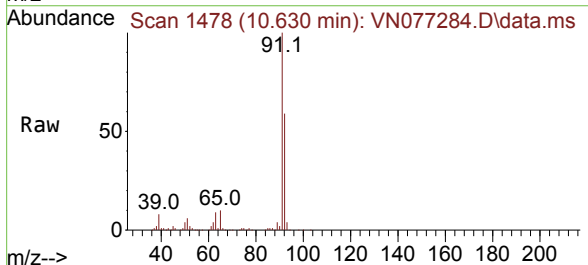
Ion	Ratio	Lower	Upper
164	100		
166	136.6	97.9	146.9
129	102.2	82.5	123.7
131	98.6	74.0	111.0

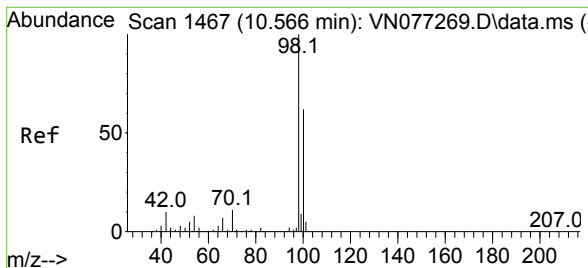


#62
 Toluene
 Concen: 20.088 ug/l
 RT: 10.630 min Scan# 1478
 Delta R.T. -0.001 min
 Lab File: VN077284.D
 Acq: 10 Apr 2023 09:48

Tgt Ion: 91 Resp: 744976

Ion	Ratio	Lower	Upper
91	100		
92	57.4	46.6	70.0





#63

Toluene-d8

Concen: 30.420 ug/l

RT: 10.566 min Scan# 1467

Delta R.T. -0.000 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

Instrument :

MSVOA_N

ClientSampleId :

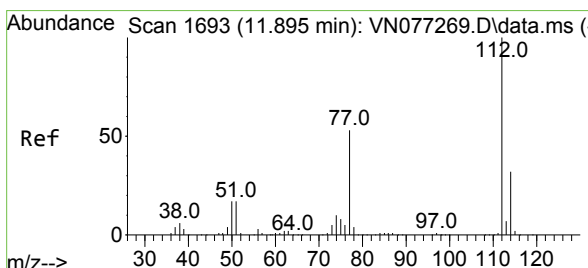
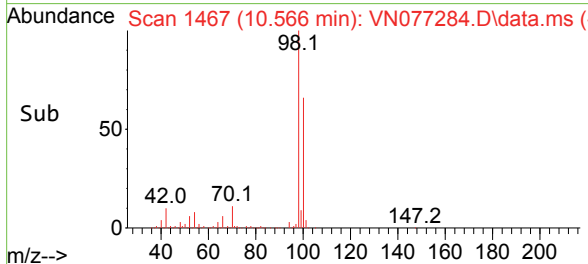
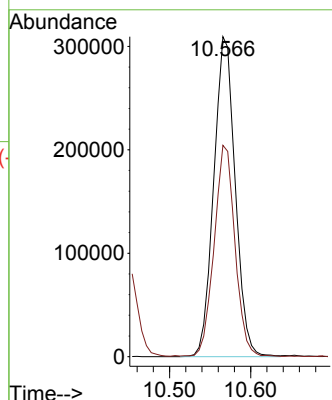
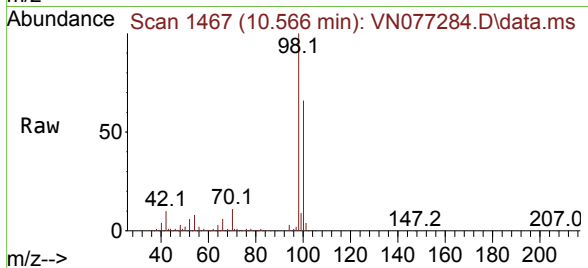
VSTDCCC020

Tgt Ion: 98 Resp: 568408

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.2



#64

Chlorobenzene

Concen: 20.131 ug/l

RT: 11.895 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VN077284.D

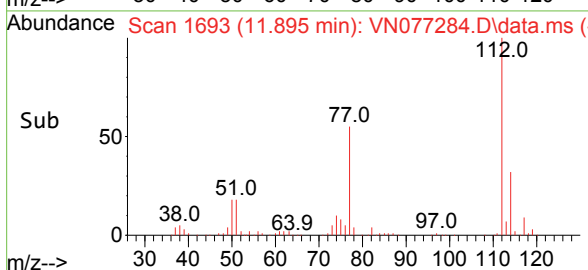
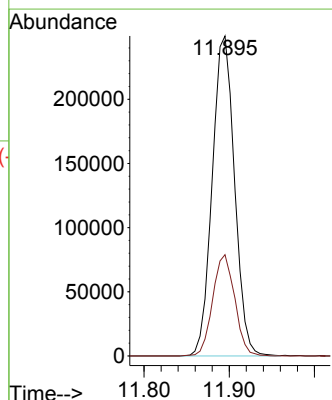
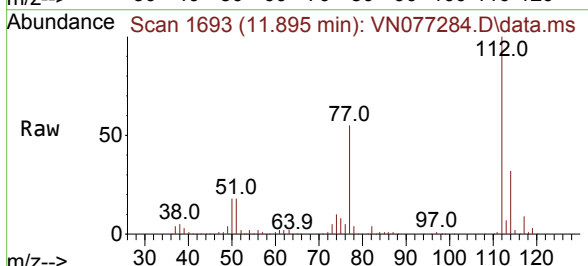
Acq: 10 Apr 2023 09:48

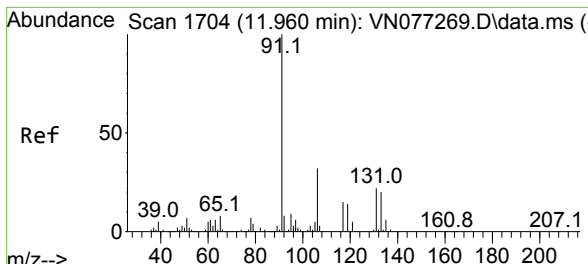
Tgt Ion: 112 Resp: 453555

Ion Ratio Lower Upper

112 100

114 31.6 25.6 38.4

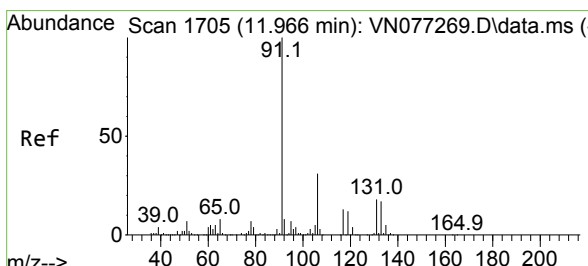
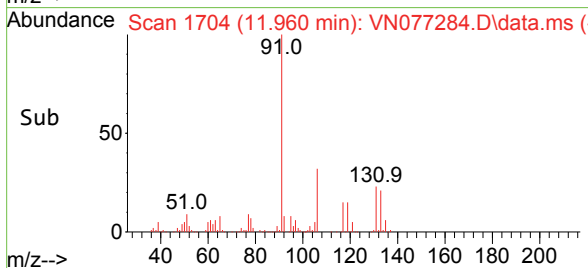
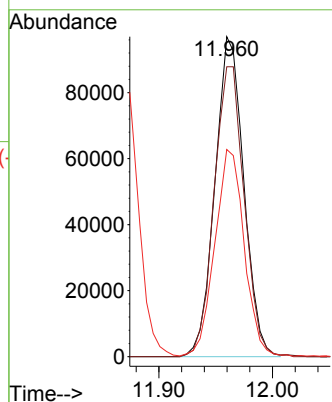
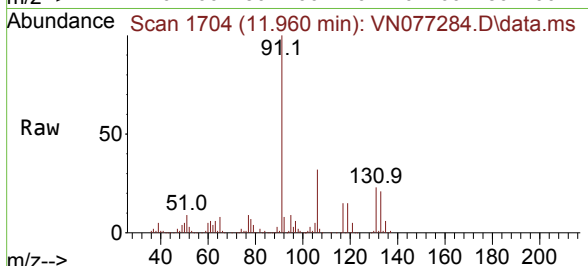




#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.643 ug/l
 RT: 11.960 min Scan# 1704
 Delta R.T. -0.000 min
 Lab File: VN077284.D
 Acq: 10 Apr 2023 09:48

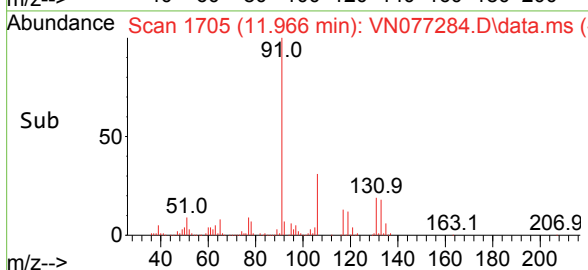
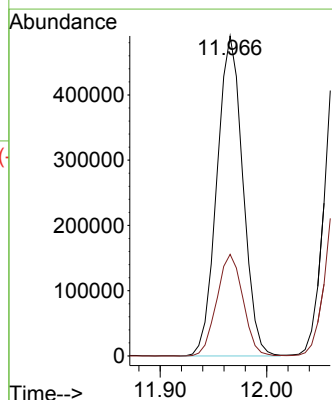
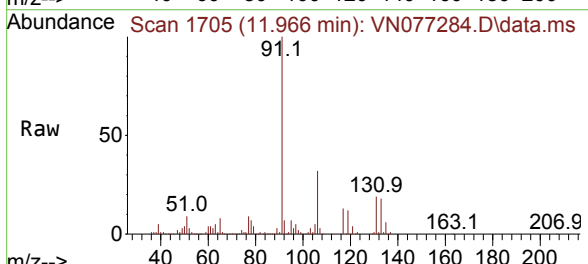
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

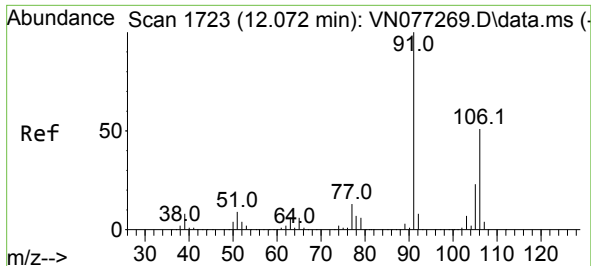
Tgt Ion:	131	Resp:	171031
Ion Ratio	Lower	Upper	
131	100		
133	94.4	0.0	184.4
119	65.7	0.0	134.8



#66
 Ethyl Benzene
 Concen: 20.157 ug/l
 RT: 11.966 min Scan# 1705
 Delta R.T. -0.000 min
 Lab File: VN077284.D
 Acq: 10 Apr 2023 09:48

Tgt Ion:	91	Resp:	828161
Ion Ratio	Lower	Upper	
91	100		
106	31.8	25.0	37.6

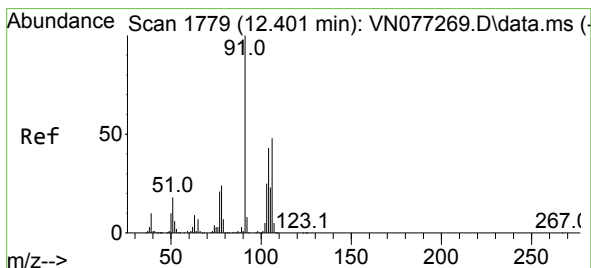
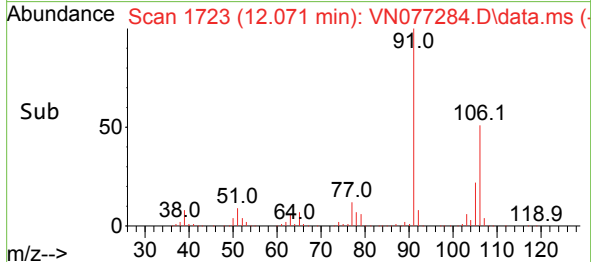
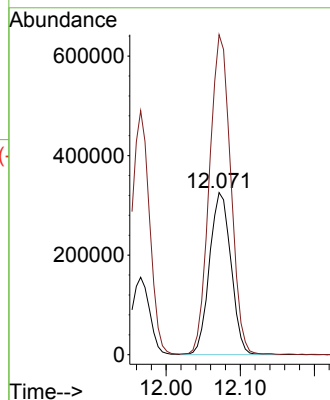
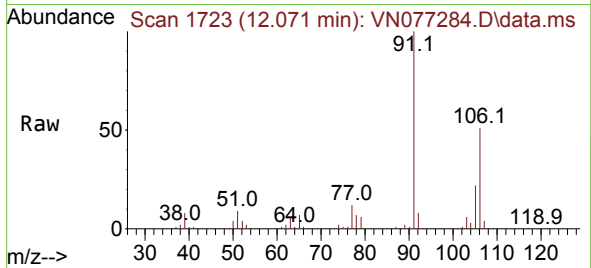




#67
m/p-Xylenes
Concen: 40.708 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.001 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

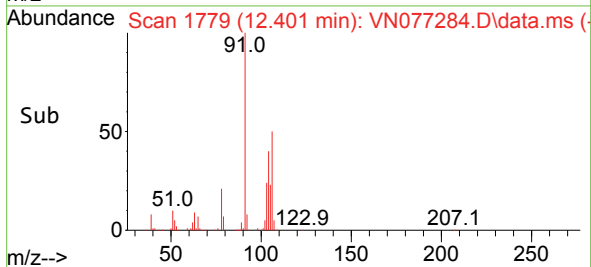
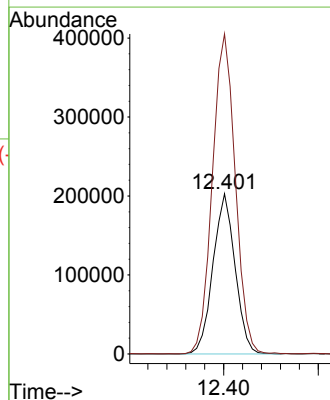
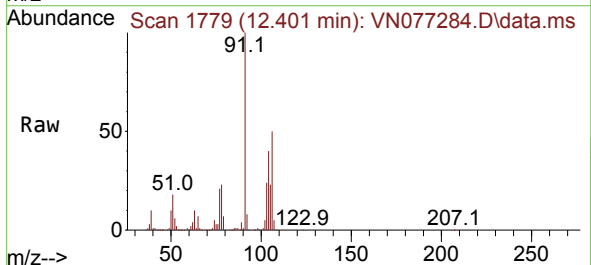
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

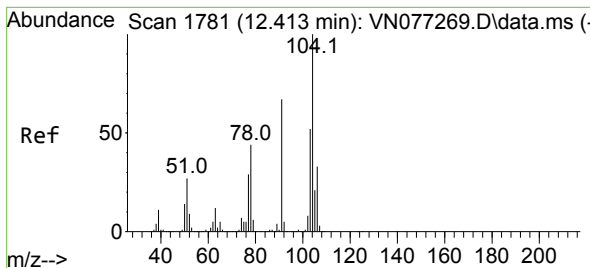
Tgt Ion:106 Resp: 655560
Ion Ratio Lower Upper
106 100
91 196.3 158.0 237.0



#68
o-Xylene
Concen: 20.397 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion:106 Resp: 328607
Ion Ratio Lower Upper
106 100
91 206.8 103.6 310.8





#69

Styrene

Concen: 20.241 ug/l

RT: 12.413 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

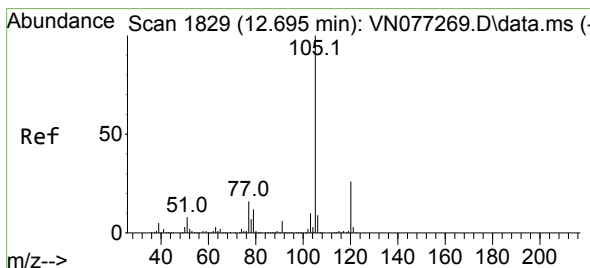
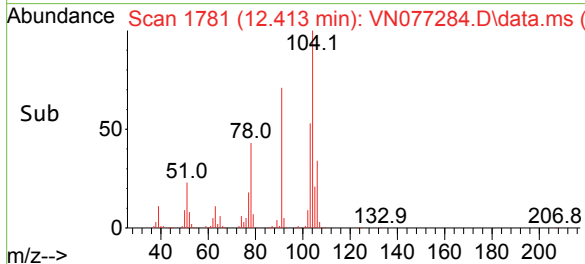
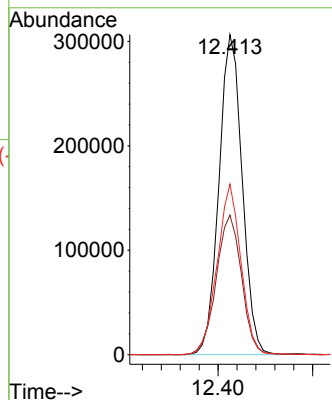
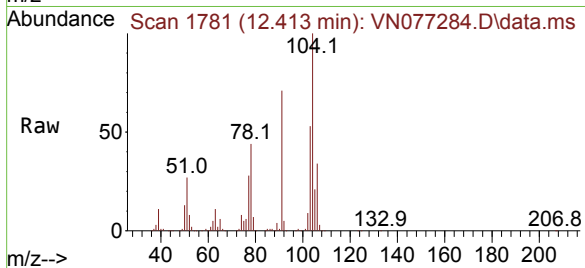
Tgt Ion:104 Resp: 522456

Ion Ratio Lower Upper

104 100

78 47.5 38.2 57.4

103 54.6 43.6 65.4



#70

Isopropylbenzene

Concen: 20.187 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. 0.006 min

Lab File: VN077284.D

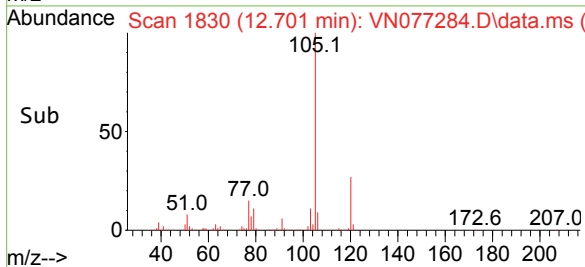
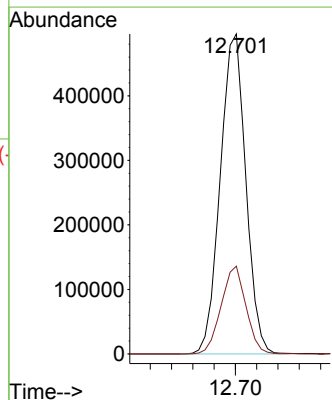
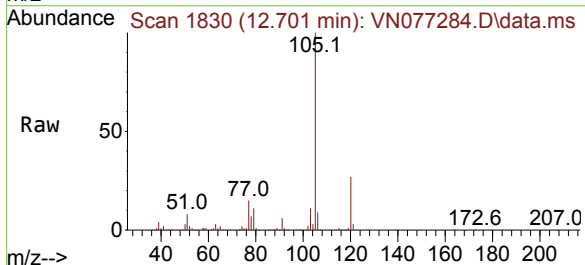
Acq: 10 Apr 2023 09:48

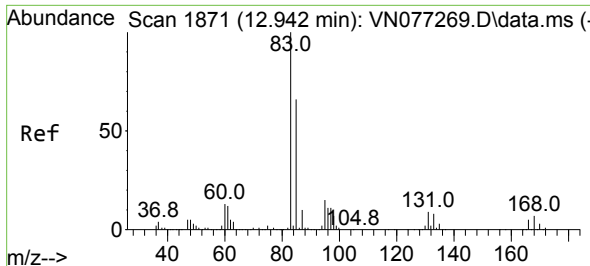
Tgt Ion:105 Resp: 825384

Ion Ratio Lower Upper

105 100

120 26.6 18.3 34.1

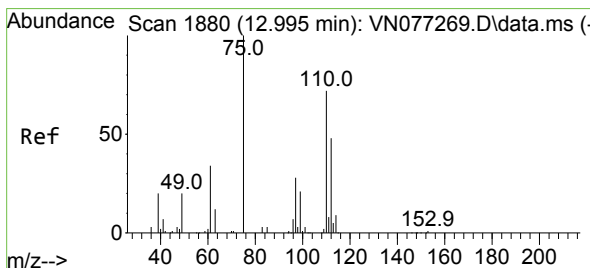
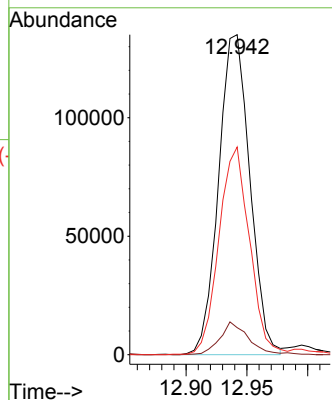
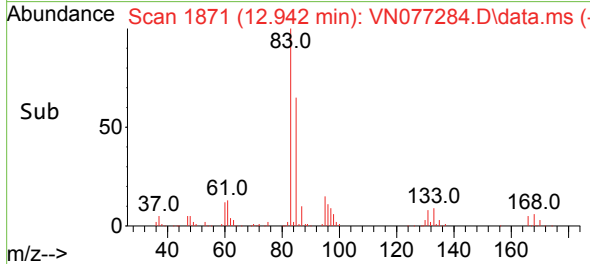
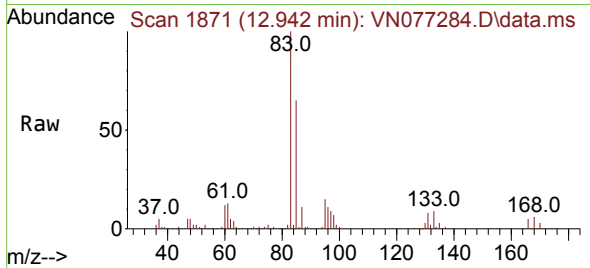




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.307 ug/l
 RT: 12.942 min Scan# 1871
 Delta R.T. 0.000 min
 Lab File: VN077284.D
 Acq: 10 Apr 2023 09:48

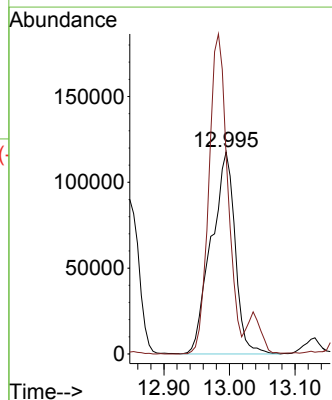
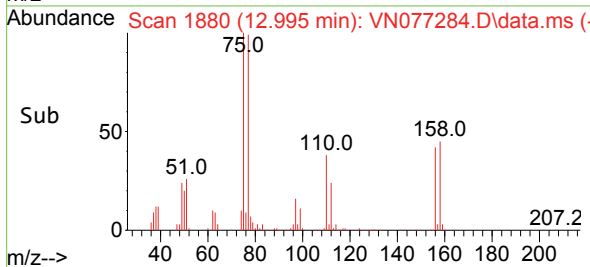
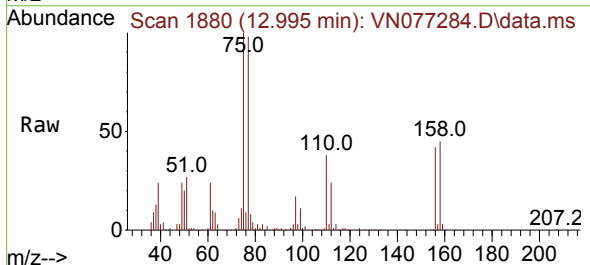
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

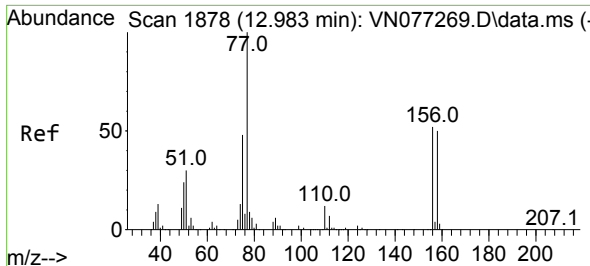
Tgt Ion: 83 Resp: 241744
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.7 14.0
 85 63.1 32.3 96.8



#72
 1,2,3-Trichloropropane
 Concen: 34.873 ug/l
 RT: 12.995 min Scan# 1880
 Delta R.T. -0.000 min
 Lab File: VN077284.D
 Acq: 10 Apr 2023 09:48

Tgt Ion: 75 Resp: 296806
 Ion Ratio Lower Upper
 75 100
 77 124.5 0.0 434.2

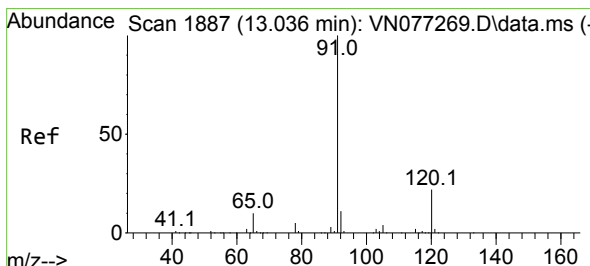
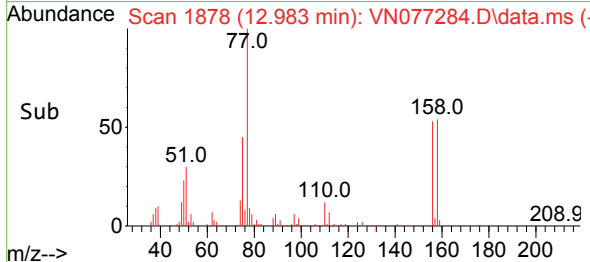
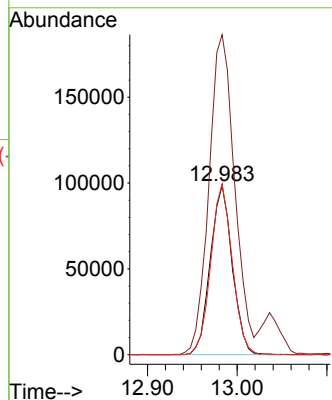
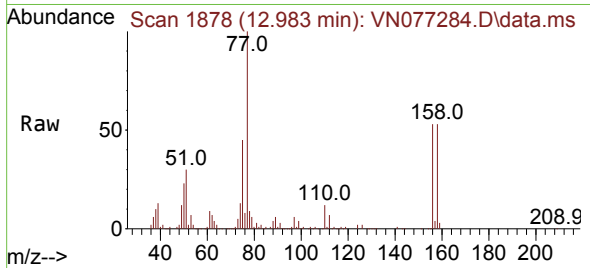




#73
Bromobenzene
Concen: 20.122 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

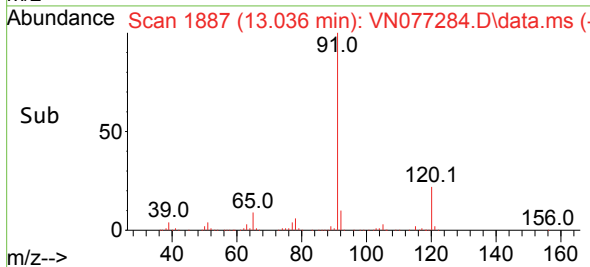
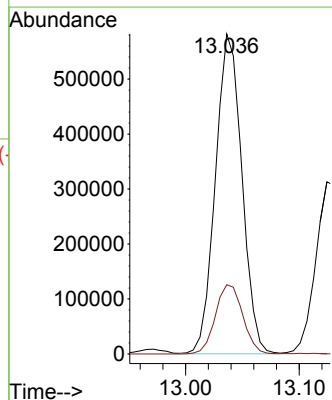
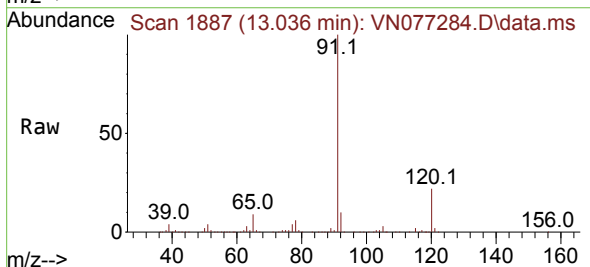
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

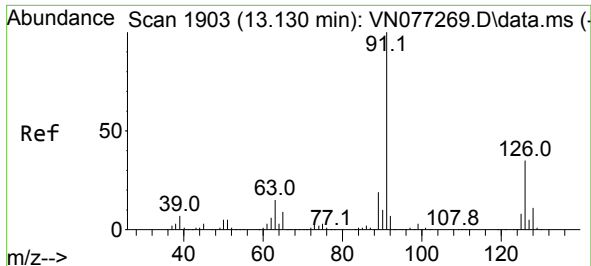
Tgt Ion:156 Resp: 167149
Ion Ratio Lower Upper
156 100
77 221.1 0.0 456.6
158 99.0 0.0 195.6



#74
n-propylbenzene
Concen: 20.835 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 91 Resp: 942542
Ion Ratio Lower Upper
91 100
120 22.3 0.0 45.6

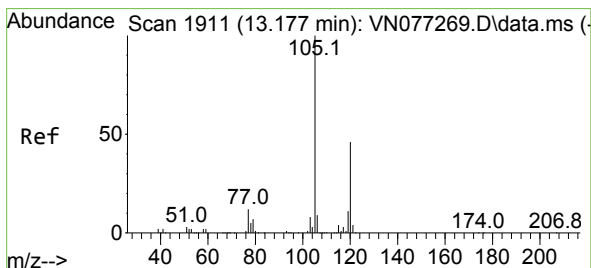
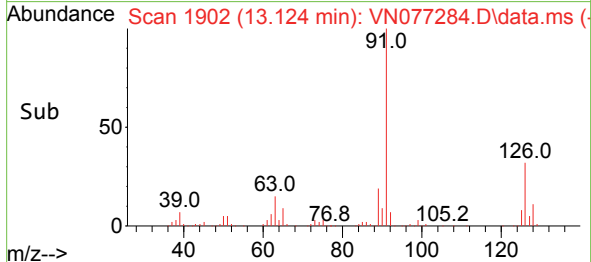
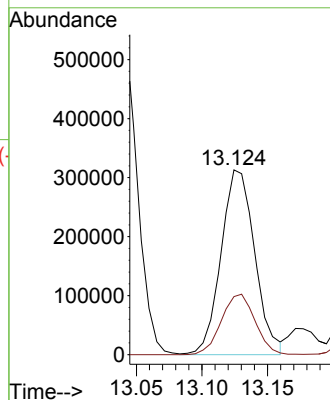
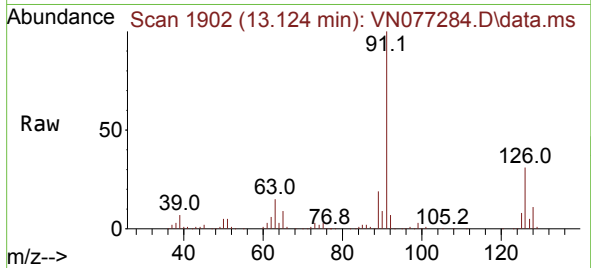




#75
2-Chlorotoluene
Concen: 20.672 ug/l
RT: 13.124 min Scan# 1902
Delta R.T. -0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

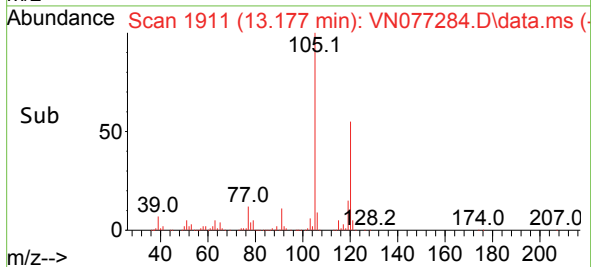
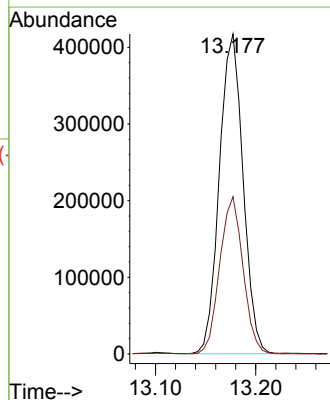
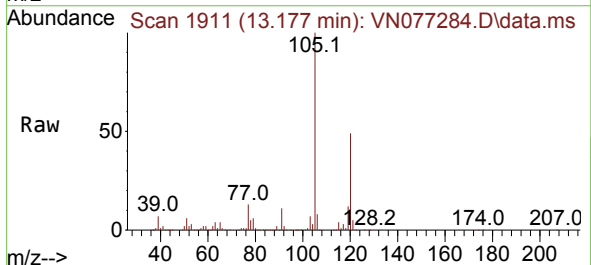
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

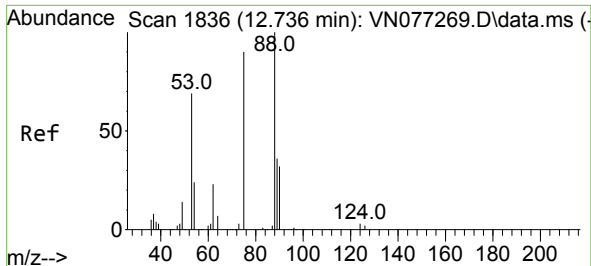
Tgt Ion: 91 Resp: 560226
Ion Ratio Lower Upper
91 100
126 32.8 0.0 67.0



#76
1,3,5-Trimethylbenzene
Concen: 20.529 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 105 Resp: 683173
Ion Ratio Lower Upper
105 100
120 48.4 0.0 94.4

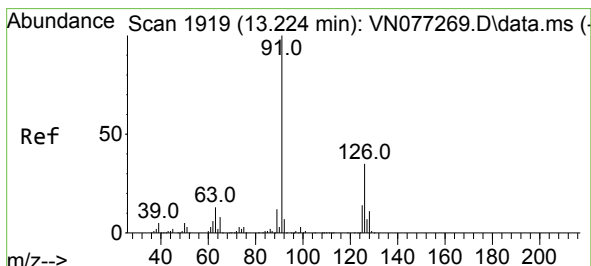
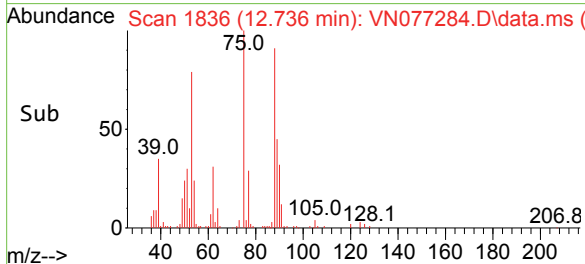
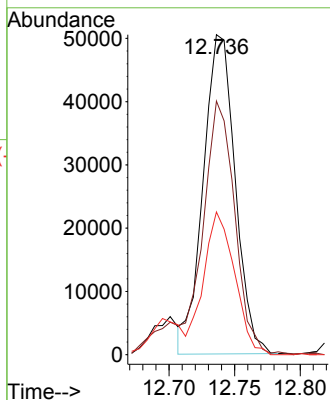
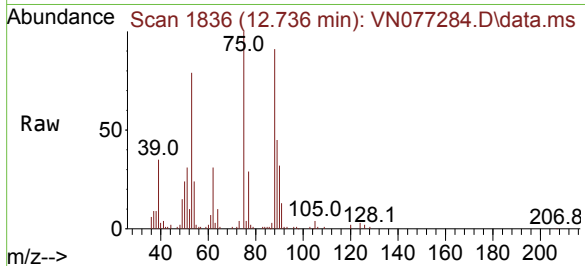




#77
t-1,4-Dichloro-2-butene
Concen: 19.760 ug/l
RT: 12.736 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

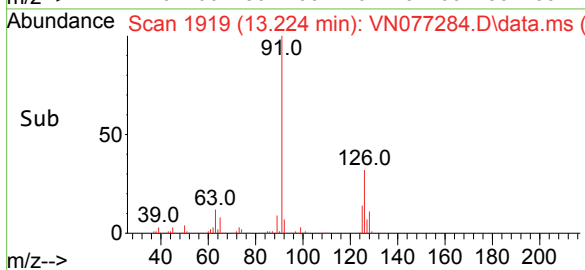
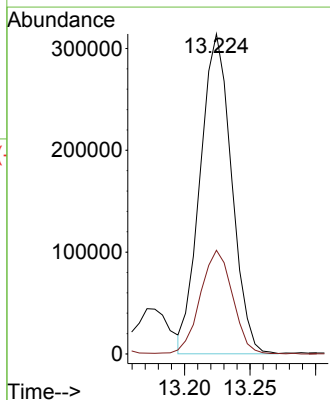
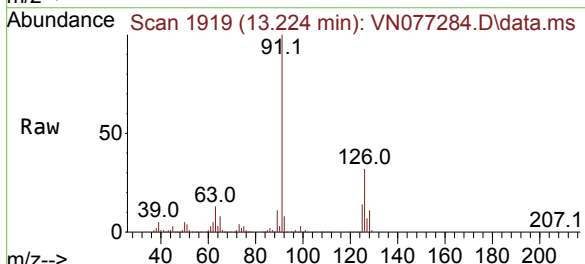
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

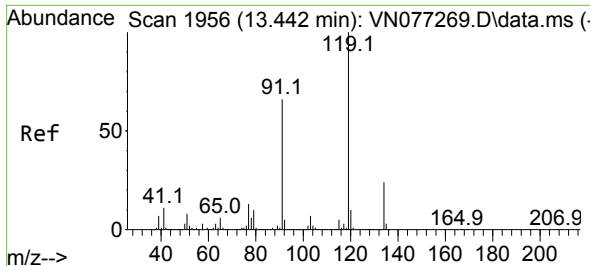
Tgt Ion: 75 Resp: 85663
Ion Ratio Lower Upper
75 100
53 78.6 38.8 116.4
89 44.7 23.2 69.6



#78
4-Chlorotoluene
Concen: 20.442 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 91 Resp: 523475
Ion Ratio Lower Upper
91 100
126 33.3 0.0 67.4





#79

tert-butylbenzene

Concen: 20.482 ug/l

RT: 13.442 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

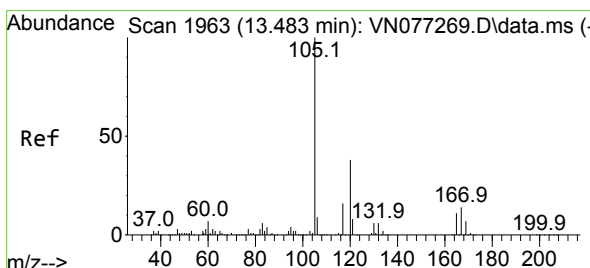
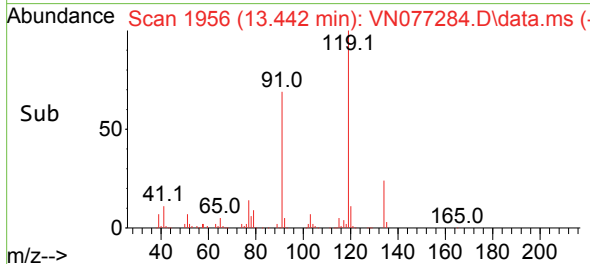
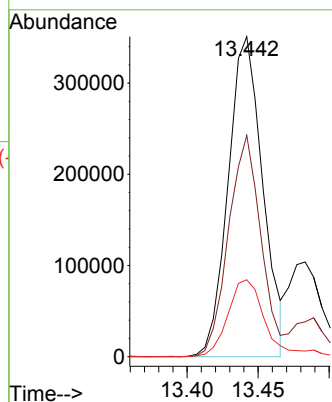
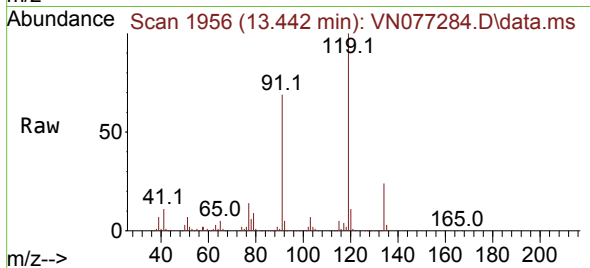
Tgt Ion:119 Resp: 593202

Ion Ratio Lower Upper

119 100

91 64.8 0.0 131.0

134 25.4 0.0 49.8



#80

1,2,4-Trimethylbenzene

Concen: 20.324 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VN077284.D

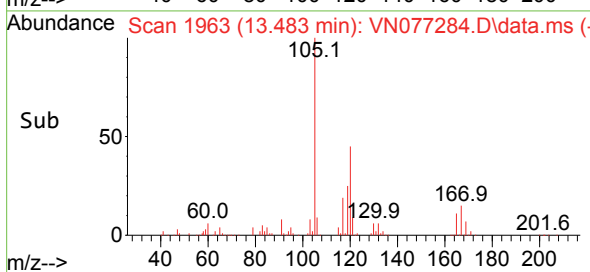
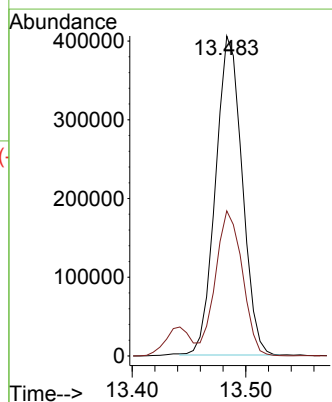
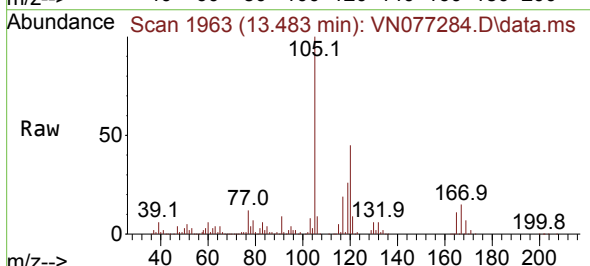
Acq: 10 Apr 2023 09:48

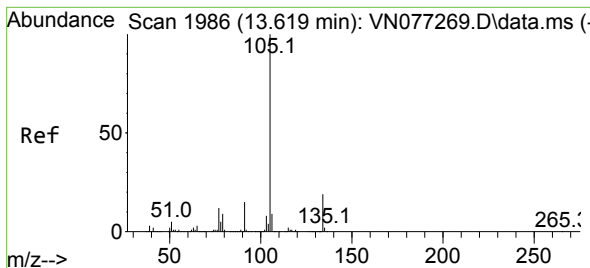
Tgt Ion:105 Resp: 659289

Ion Ratio Lower Upper

105 100

120 46.4 0.0 91.0





#81

sec-Butylbenzene

Concen: 20.589 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. -0.001 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

Instrument :

MSVOA_N

ClientSampleId :

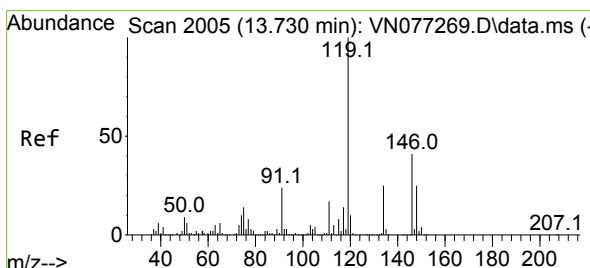
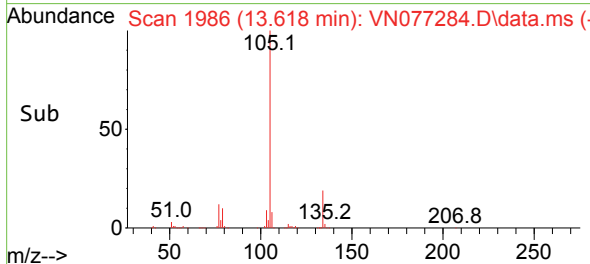
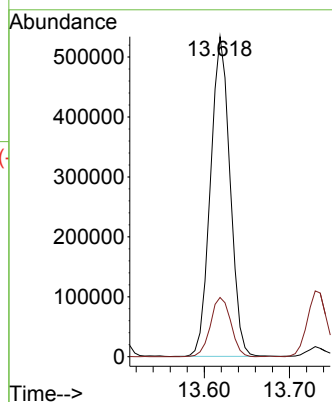
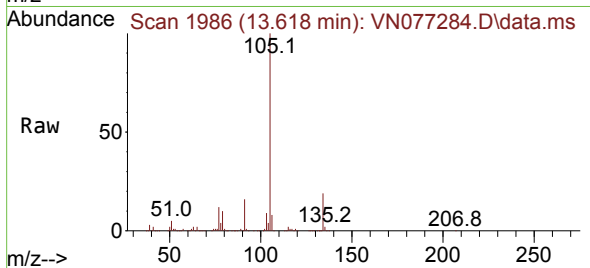
VSTDCCC020

Tgt Ion:105 Resp: 851618

Ion Ratio Lower Upper

105 100

134 19.3 0.0 38.6



#82

p-Isopropyltoluene

Concen: 20.421 ug/l

RT: 13.730 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

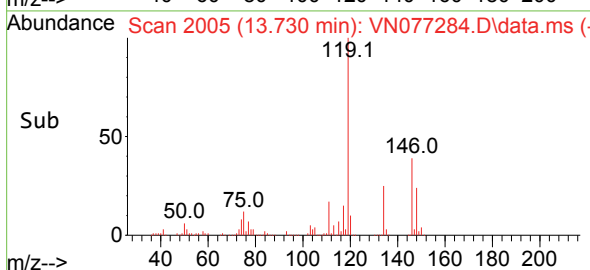
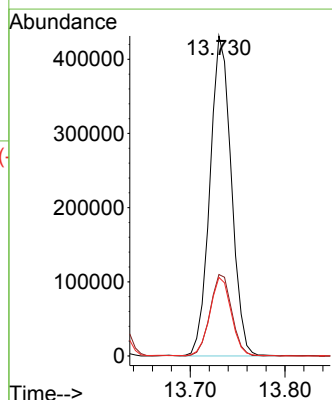
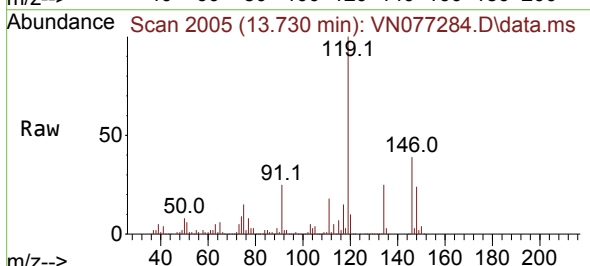
Tgt Ion:119 Resp: 676717

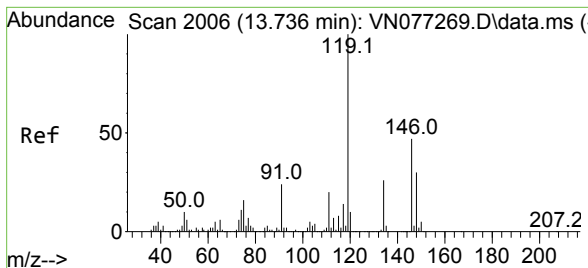
Ion Ratio Lower Upper

119 100

134 25.7 0.0 51.0

91 24.4 0.0 48.0





#83

1,3-Dichlorobenzene

Concen: 20.388 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

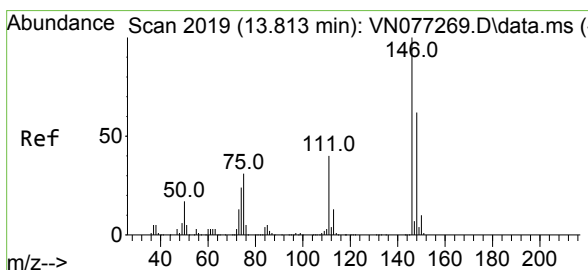
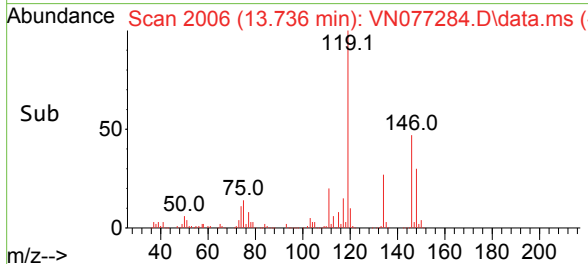
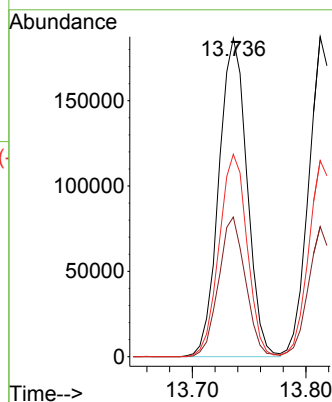
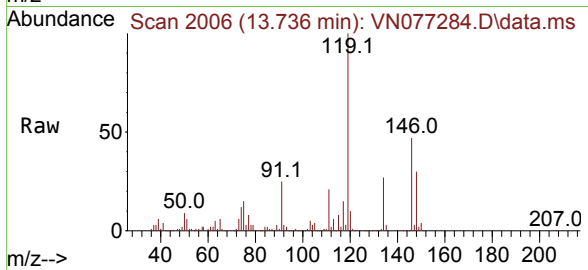
Tgt Ion:146 Resp: 321117

Ion Ratio Lower Upper

146 100

111 41.8 21.4 64.2

148 63.0 31.9 95.5



#84

1,4-Dichlorobenzene

Concen: 20.374 ug/l

RT: 13.813 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

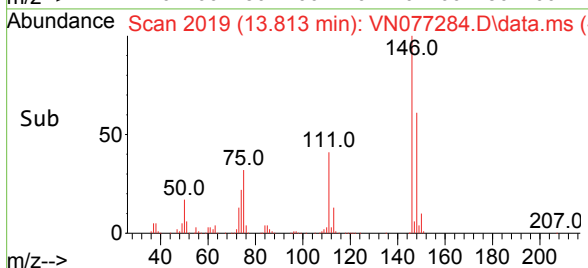
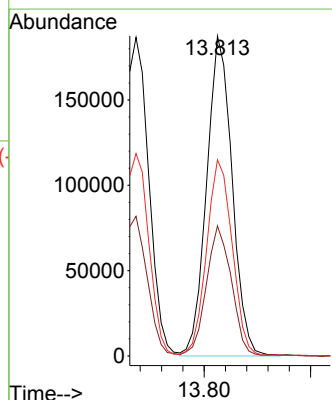
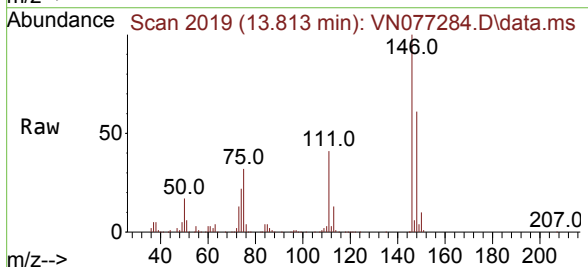
Tgt Ion:146 Resp: 311330

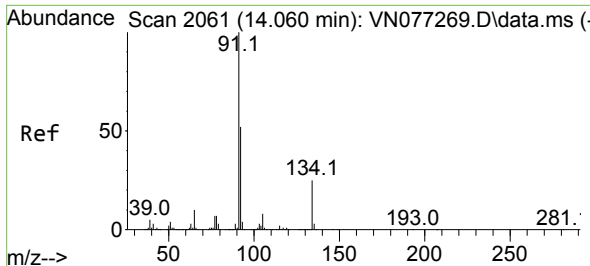
Ion Ratio Lower Upper

146 100

111 39.9 20.3 61.0

148 61.9 31.6 94.7

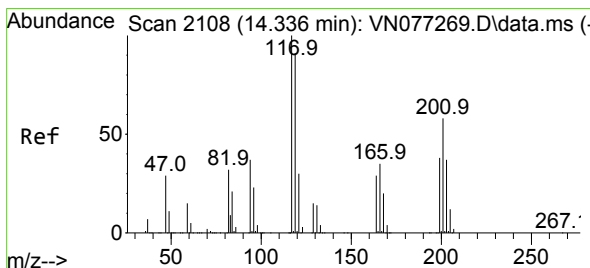
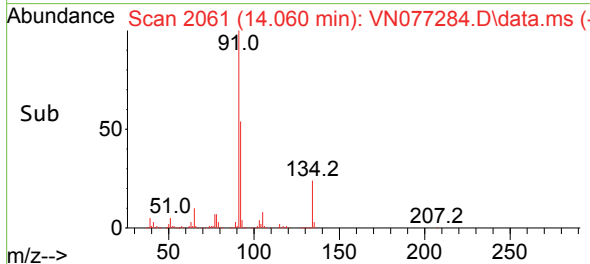
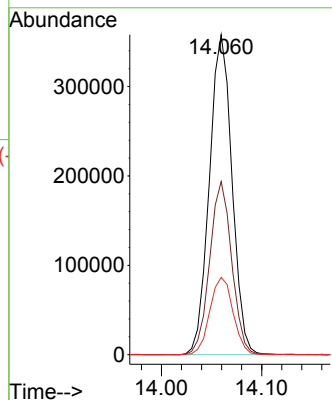
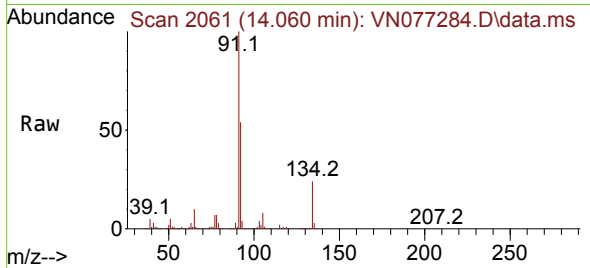




#85
n-Butylbenzene
Concen: 20.540 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

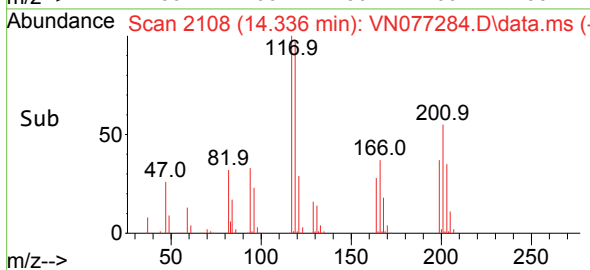
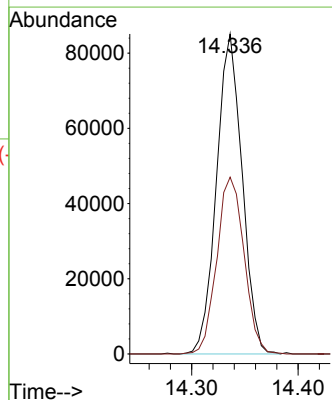
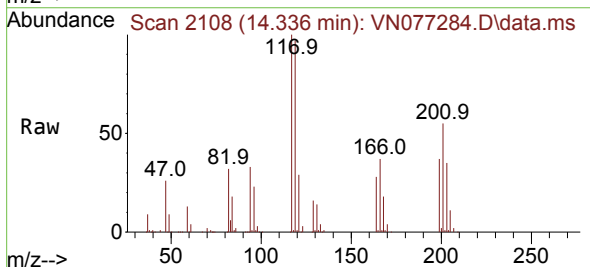
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

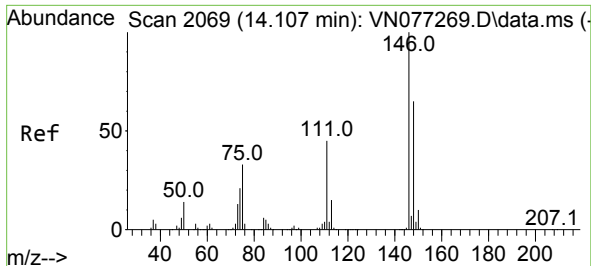
Tgt Ion: 91 Resp: 562474
Ion Ratio Lower Upper
91 100
92 52.7 0.0 105.6
134 24.8 0.0 49.4



#86
Hexachloroethane
Concen: 20.162 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 117 Resp: 142125
Ion Ratio Lower Upper
117 100
201 58.8 29.1 87.4

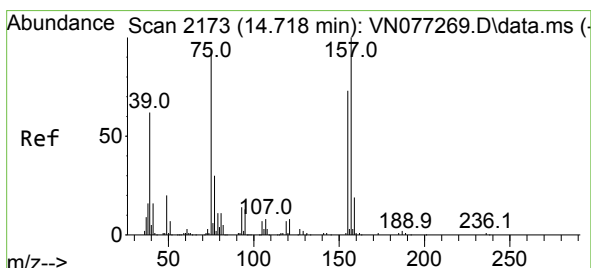
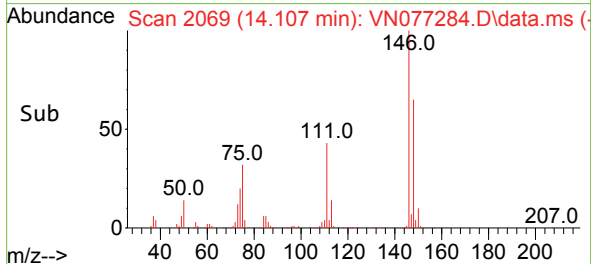
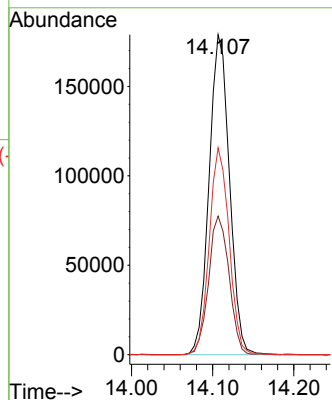
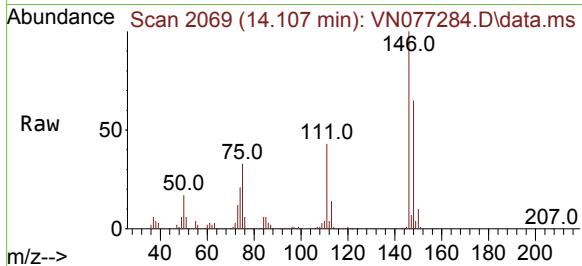




#87
1,2-Dichlorobenzene
Concen: 20.211 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

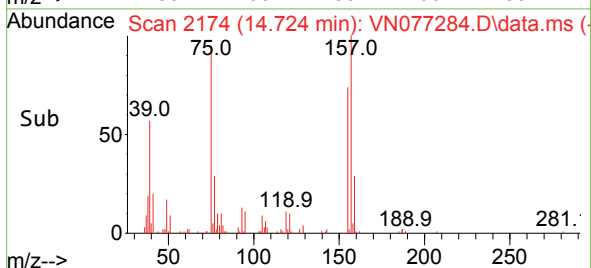
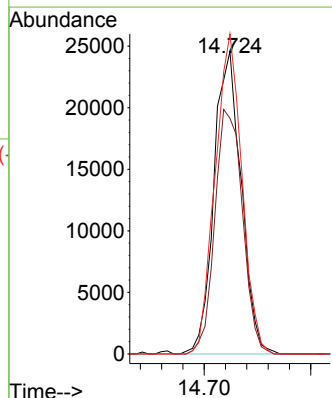
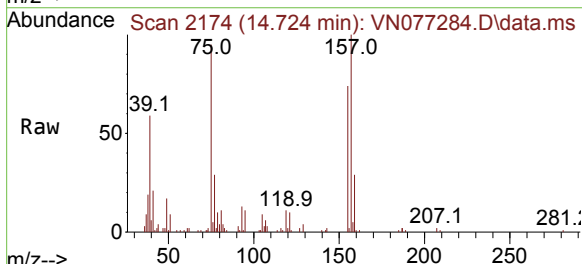
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

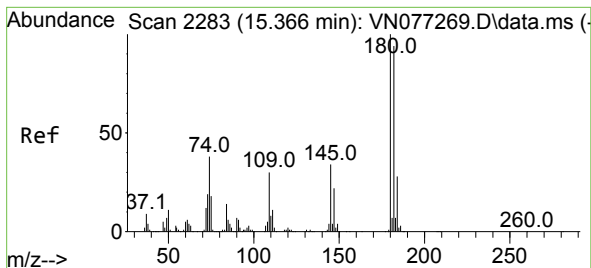
Tgt Ion:146 Resp: 311905
Ion Ratio Lower Upper
146 100
111 43.5 22.1 66.5
148 63.1 31.9 95.7



#88
1,2-Dibromo-3-Chloropropane
Concen: 18.176 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. 0.006 min
Lab File: VN077284.D
Acq: 10 Apr 2023 09:48

Tgt Ion: 75 Resp: 43611
Ion Ratio Lower Upper
75 100
155 82.1 67.8 101.6
157 104.1 86.3 129.5





#89

1,2,4-Trichlorobenzene

Concen: 16.638 ug/l

RT: 15.371 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

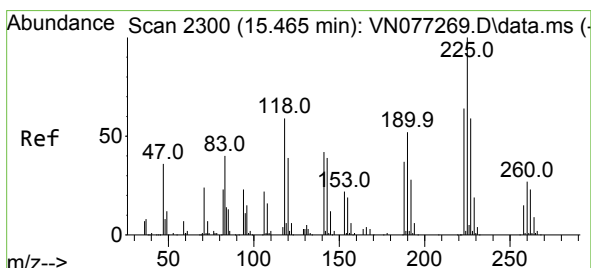
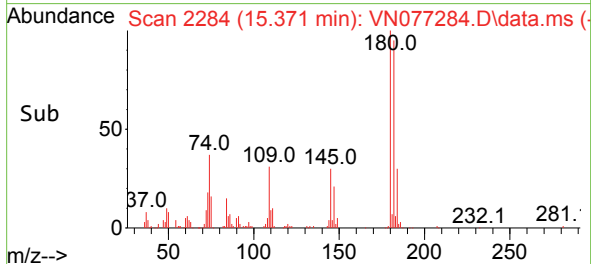
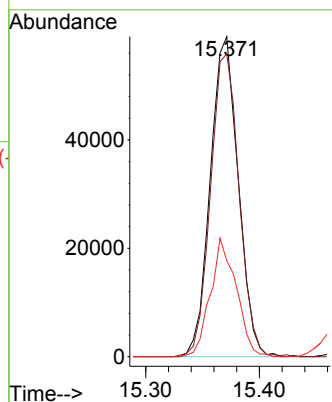
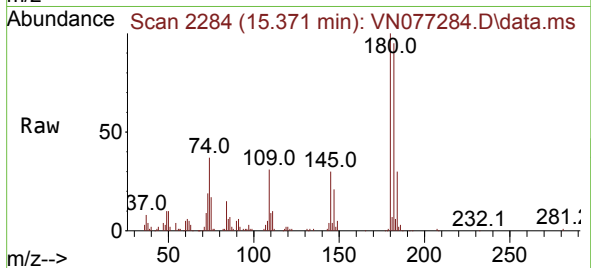
Tgt Ion:180 Resp: 100998

Ion Ratio Lower Upper

180 100

182 96.2 75.6 113.4

145 34.3 26.7 40.1



#90

Hexachlorobutadiene

Concen: 20.800 ug/l

RT: 15.465 min Scan# 2300

Delta R.T. 0.000 min

Lab File: VN077284.D

Acq: 10 Apr 2023 09:48

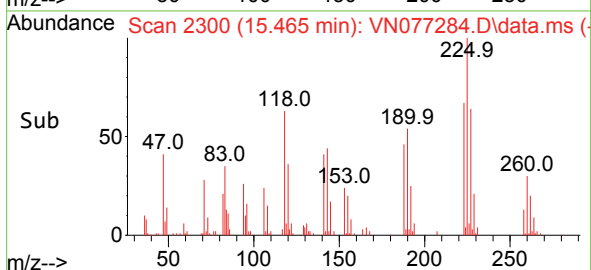
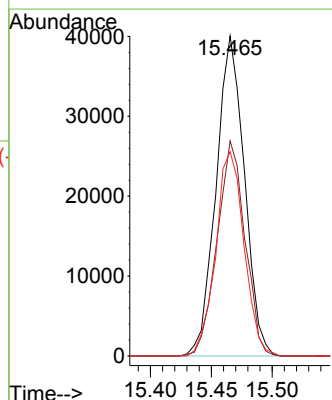
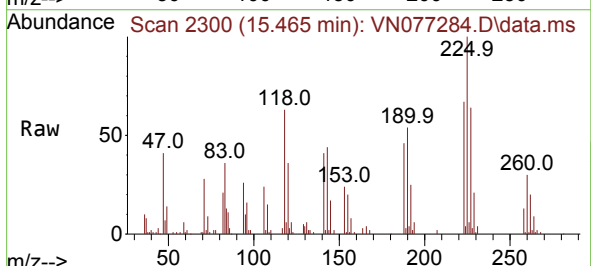
Tgt Ion:225 Resp: 64757

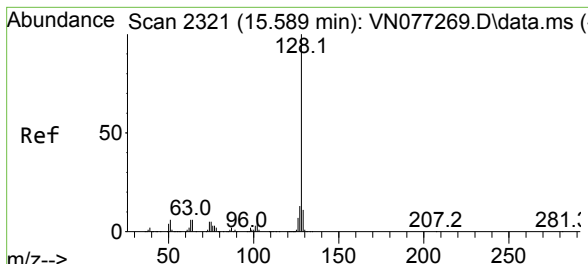
Ion Ratio Lower Upper

225 100

223 66.2 0.0 126.0

227 63.9 0.0 127.2



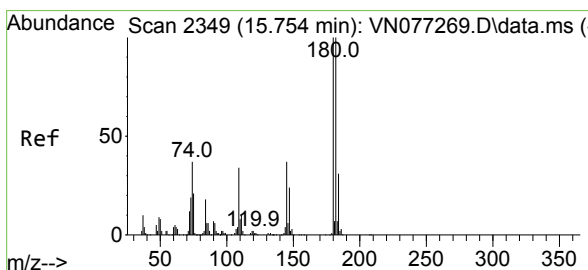
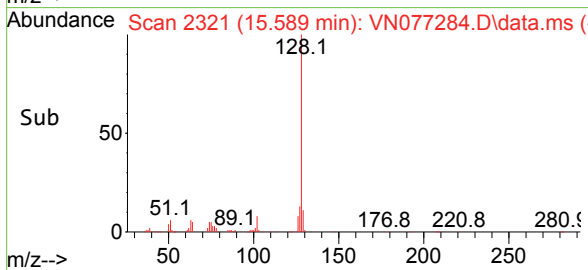
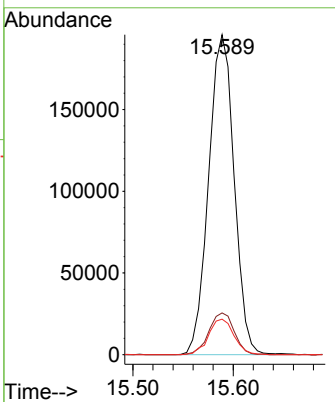
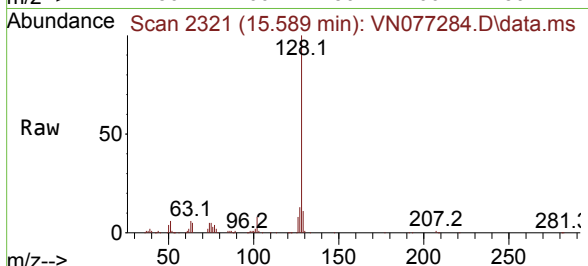


#91
 Naphthalene
 Concen: 14.928 ug/l
 RT: 15.589 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077284.D
 Acq: 10 Apr 2023 09:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:128 Resp: 346187

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.1	8.9	13.3



#92
 1,2,3-Trichlorobenzene
 Concen: 15.587 ug/l
 RT: 15.754 min Scan# 2349
 Delta R.T. -0.000 min
 Lab File: VN077284.D
 Acq: 10 Apr 2023 09:48

Tgt Ion:180 Resp: 92327

Ion	Ratio	Lower	Upper
180	100		
182	97.6	0.0	190.4
145	36.3	0.0	72.4

