

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN078005.D
 Acq On : 31 May 2023 20:10
 Operator : JC\MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0050EC

Quant Time: Jun 01 01:58:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	370366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	658340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	589946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	258026	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	272337	49.144	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.280%
35) Dibromofluoromethane	8.177	113	237065	55.222	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.440%
50) Toluene-d8	10.576	98	860563	52.080	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.160%
62) 4-Bromofluorobenzene	12.859	95	292810	50.174	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.340%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	164701	39.075	ug/l	96
3) Chloromethane	2.371	50	201502	44.906	ug/l	98
4) Vinyl Chloride	2.518	62	260977	49.109	ug/l	100
5) Bromomethane	2.953	94	195405	49.717	ug/l	93
6) Chloroethane	3.118	64	193878	50.623	ug/l	98
7) Trichlorofluoromethane	3.500	101	366673	49.510	ug/l	99
8) Diethyl Ether	3.965	74	133221	49.273	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	195263	47.642	ug/l	97
10) Methyl Iodide	4.600	142	269534	55.143	ug/l	99
11) Tert butyl alcohol	5.541	59	185420	242.443	ug/l	99
12) 1,1-Dichloroethene	4.347	96	194053	49.816	ug/l	88
13) Acrolein	4.189	56	80187	157.955	ug/l	95
14) Allyl chloride	5.030	41	262350	45.845	ug/l	93
15) Acrylonitrile	5.736	53	508423	248.831	ug/l	99
16) Acetone	4.436	43	400028	229.444	ug/l	90
17) Carbon Disulfide	4.724	76	452071	43.071	ug/l	97
18) Methyl Acetate	5.036	43	361073	49.366	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	704657	49.976	ug/l	95
20) Methylene Chloride	5.283	84	240790	53.188	ug/l	95
21) trans-1,2-Dichloroethene	5.800	96	217209	49.640	ug/l	90
22) Diisopropyl ether	6.683	45	678841	50.610	ug/l #	94
23) Vinyl Acetate	6.612	43	1999872	240.641	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	433417	52.743	ug/l	97
25) 2-Butanone	7.494	43	652458	239.231	ug/l	88
26) 2,2-Dichloropropane	7.500	77	306805	43.946	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	269544	51.374	ug/l	92
28) Bromochloromethane	7.818	49	178615	50.258	ug/l	89
29) Tetrahydrofuran	7.847	42	424082	237.472	ug/l	84
30) Chloroform	7.977	83	472883	52.312	ug/l	95
31) Cyclohexane	8.265	56	334415	44.400	ug/l	93
32) 1,1,1-Trichloroethane	8.182	97	411971	53.604	ug/l	97
36) 1,1-Dichloropropene	8.382	75	331436	52.784	ug/l	97
37) Ethyl Acetate	7.571	43	259991	46.455	ug/l #	94
38) Carbon Tetrachloride	8.365	117	359748	56.737	ug/l	99
39) Methylcyclohexane	9.612	83	353908	46.038	ug/l	93
40) Benzene	8.618	78	1005719	54.277	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	142491	47.807	ug/l	92
42) 1,2-Dichloroethane	8.677	62	352874	52.426	ug/l	96
43) Isopropyl Acetate	8.700	43	466565	51.038	ug/l	94
44) Trichloroethene	9.359	130	256783	54.730	ug/l	99
45) 1,2-Dichloropropane	9.629	63	260677	55.154	ug/l	99
46) Dibromomethane	9.718	93	182777	54.044	ug/l	96
47) Bromodichloromethane	9.894	83	373604	57.700	ug/l	99
48) Methyl methacrylate	9.688	41	223046	51.462	ug/l	89
49) 1,4-Dioxane	9.706	88	95892	1171.402	ug/l	96
51) 4-Methyl-2-Pentanone	10.453	43	1434950	264.077	ug/l	92
52) Toluene	10.641	92	649933	56.342	ug/l	97
53) t-1,3-Dichloropropene	10.847	75	369818	53.935	ug/l	98
54) cis-1,3-Dichloropropene	10.323	75	402094	53.214	ug/l	94
55) 1,1,2-Trichloroethane	11.023	97	258286	56.391	ug/l	98
56) Ethyl methacrylate	10.882	69	376822	54.412	ug/l	92
57) 1,3-Dichloropropane	11.171	76	430574	54.835	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.171	63	735211	215.793	ug/l	93
59) 2-Hexanone	11.206	43	1003339	249.637	ug/l	92
60) Dibromochloromethane	11.365	129	277706	58.731	ug/l	99
61) 1,2-Dibromoethane	11.476	107	256923	56.227	ug/l	99
64) Tetrachloroethene	11.112	164	242694	58.826	ug/l	100
65) Chlorobenzene	11.900	112	697174	54.512	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.970	131	263107	59.456	ug/l	98
67) Ethyl Benzene	11.970	91	1247886	54.447	ug/l	99
68) m/p-Xylenes	12.076	106	956409	110.131	ug/l	99
69) o-Xylene	12.406	106	463399	54.259	ug/l	95
70) Styrene	12.417	104	760833	56.079	ug/l	98
71) Bromoform	12.588	173	174281	59.202	ug/l #	99
73) Isopropylbenzene	12.706	105	1205453	54.197	ug/l	99
74) N-amyl acetate	12.500	43	380601	46.295	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.947	83	352779	51.557	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	427975	66.231	ug/l	73
77) Bromobenzene	12.988	156	268905	52.978	ug/l	98
78) n-propylbenzene	13.047	91	1386570	52.879	ug/l	99
79) 2-Chlorotoluene	13.135	91	838686	53.600	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	978649	52.352	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.747	75	95137	47.062	ug/l #	80
82) 4-Chlorotoluene	13.229	91	791101	50.815	ug/l	98
83) tert-Butylbenzene	13.447	119	860164	52.708	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	982492	53.441	ug/l	100
85) sec-Butylbenzene	13.623	105	1167232	50.328	ug/l	99
86) p-Isopropyltoluene	13.735	119	971168	52.524	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	478509	50.977	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	459462	49.326	ug/l	100
89) n-Butylbenzene	14.064	91	765385	45.005	ug/l	96
90) Hexachloroethane	14.341	117	171487	56.457	ug/l	91
91) 1,2-Dichlorobenzene	14.111	146	472744	53.910	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	56374	42.555	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	189757	37.029	ug/l	97
94) Hexachlorobutadiene	15.506	225	87500	41.124	ug/l	100
95) Naphthalene	15.647	128	576631	32.691	ug/l	99
96) 1,2,3-Trichlorobenzene	15.853	180	197129	39.289	ug/l	98

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ClientSampleId :
VSTDCCC050EC

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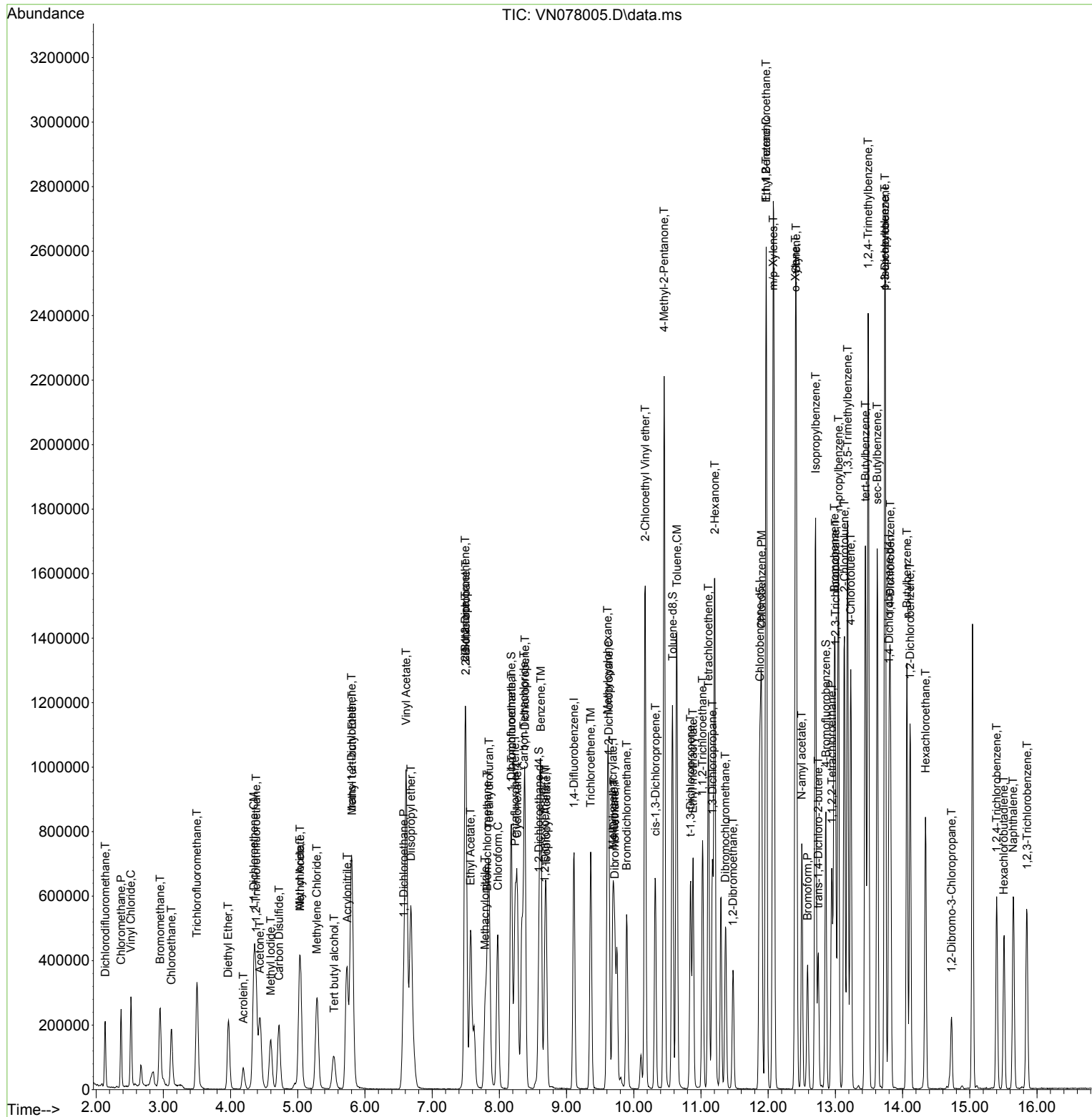
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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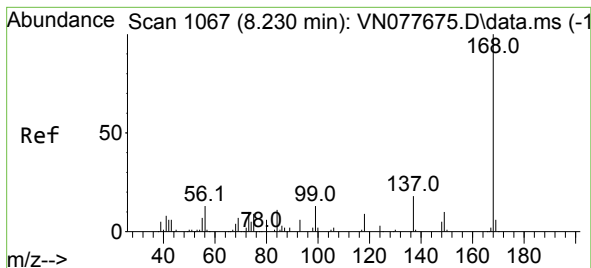
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078005.D

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Instrument :

MSVOA_N

ClientSampleId :

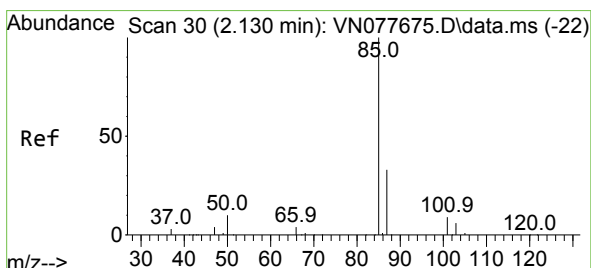
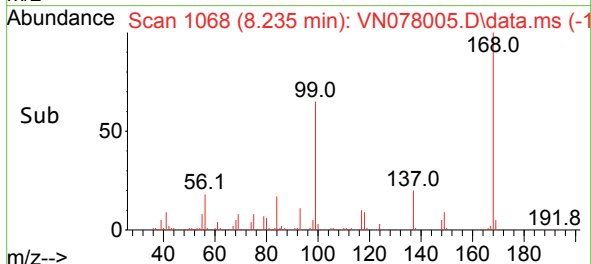
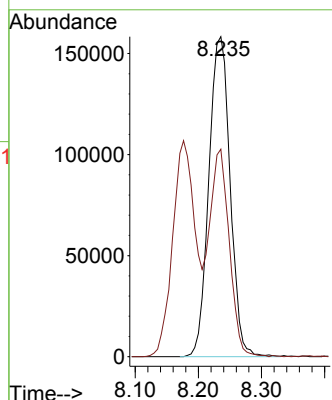
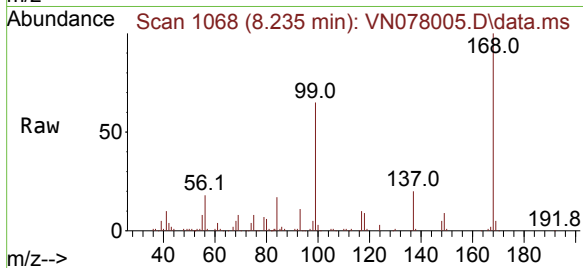
VSTDCCC050EC

Tgt Ion:168 Resp: 370366

Ion Ratio Lower Upper

168 100

99 64.7 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 39.075 ug/l

RT: 2.136 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN078005.D

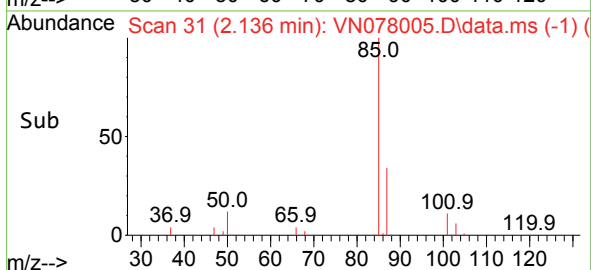
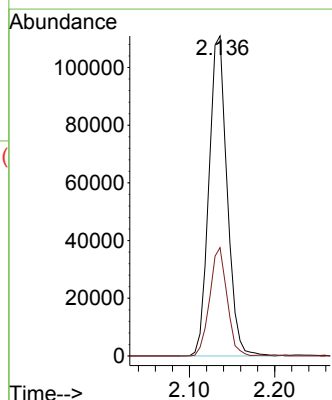
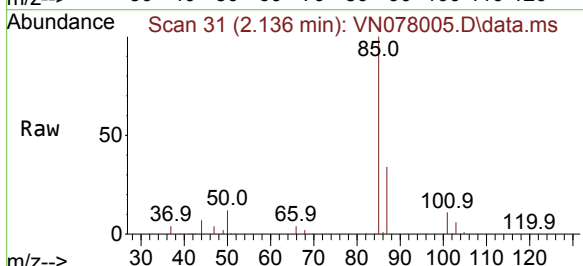
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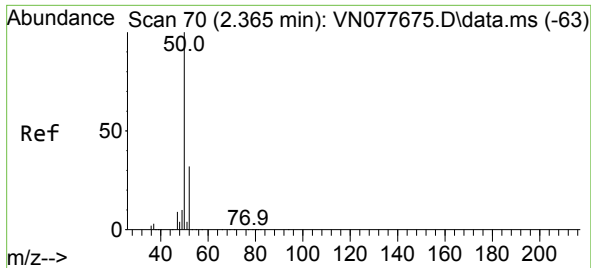
Tgt Ion: 85 Resp: 164701

Ion Ratio Lower Upper

85 100

87 33.8 15.8 47.4

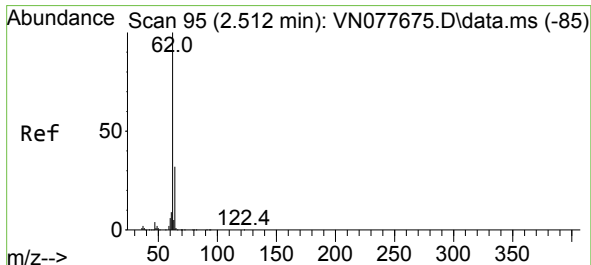
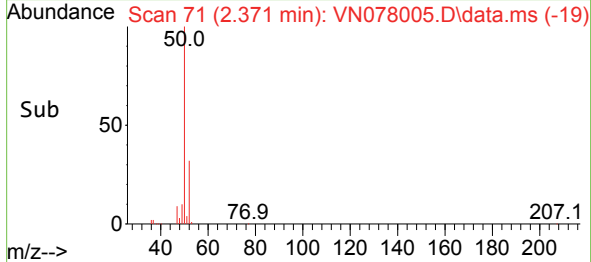
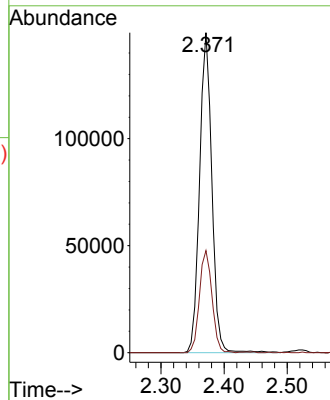
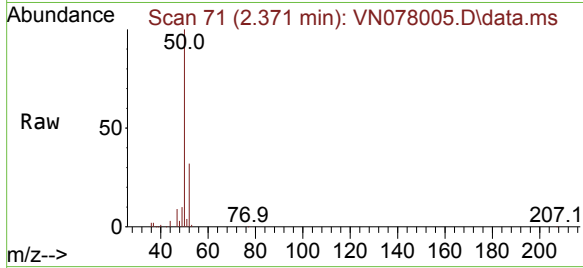




#3
Chloromethane
Concen: 44.906 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

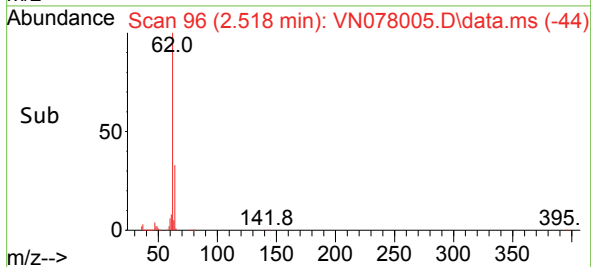
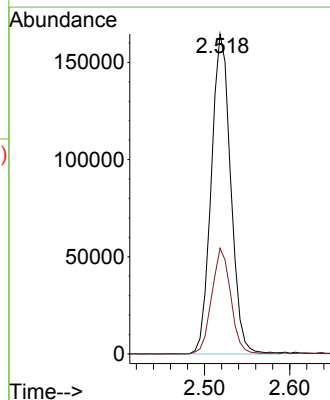
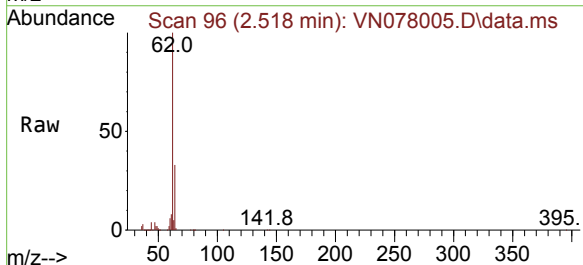
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

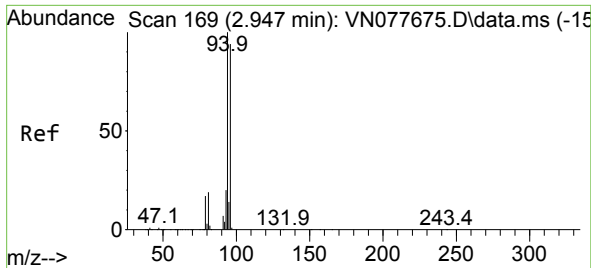
Tgt Ion: 50 Resp: 201502
Ion Ratio Lower Upper
50 100
52 31.9 26.5 39.7



#4
Vinyl Chloride
Concen: 49.109 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 62 Resp: 260977
Ion Ratio Lower Upper
62 100
64 33.0 26.2 39.2

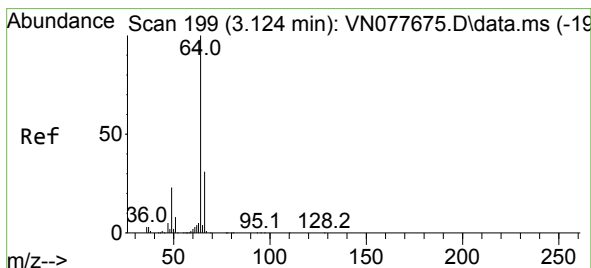
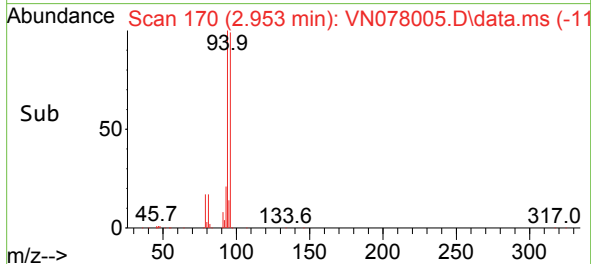
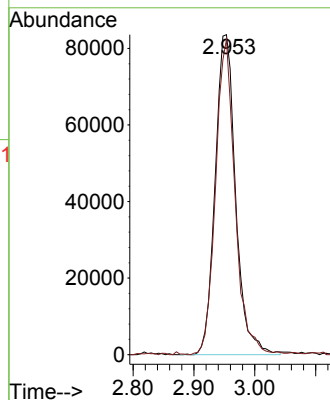
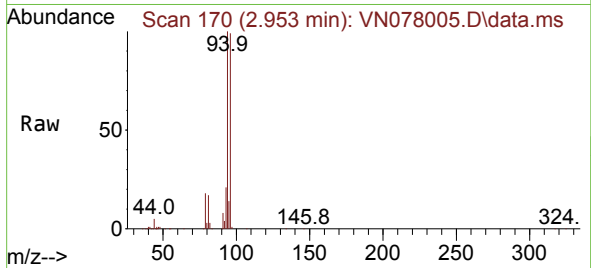




#5
Bromomethane
Concen: 49.717 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

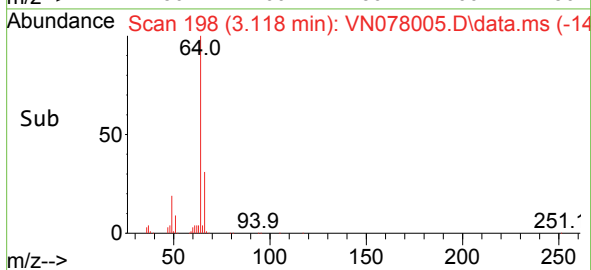
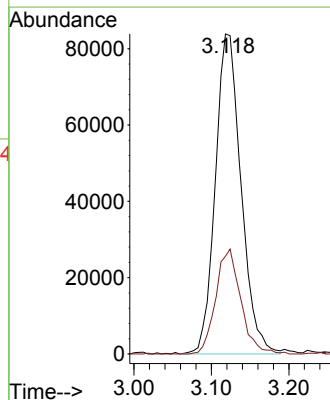
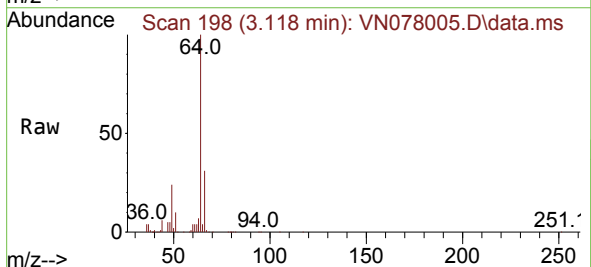
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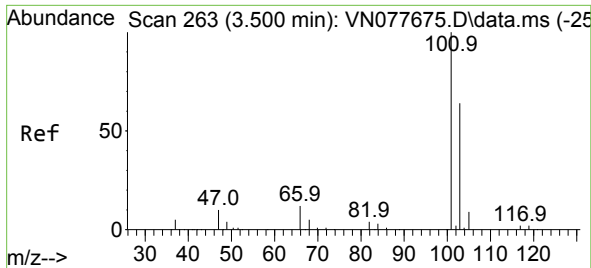
Tgt Ion: 94 Resp: 195405
Ion Ratio Lower Upper
94 100
96 98.3 73.1 109.7



#6
Chloroethane
Concen: 50.623 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 64 Resp: 193878
Ion Ratio Lower Upper
64 100
66 30.6 25.4 38.2

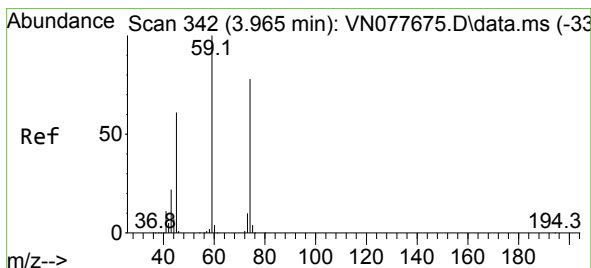
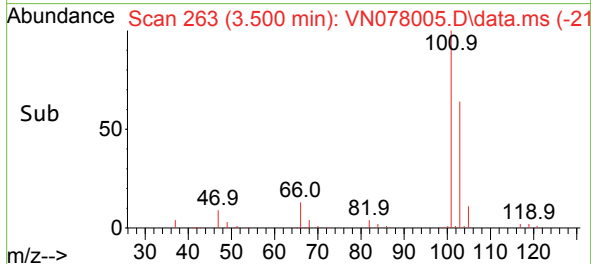
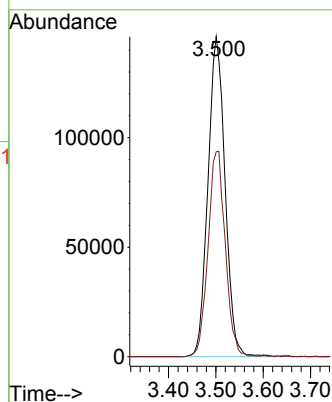
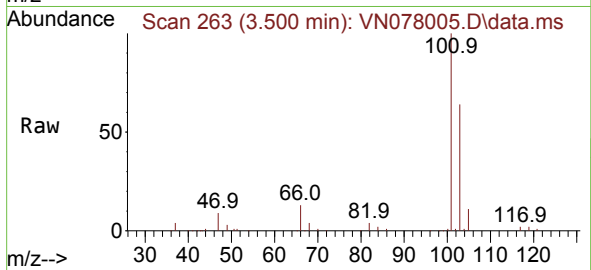




#7
Trichlorofluoromethane
Concen: 49.510 ug/l
RT: 3.500 min Scan# 210
Delta R.T. 0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

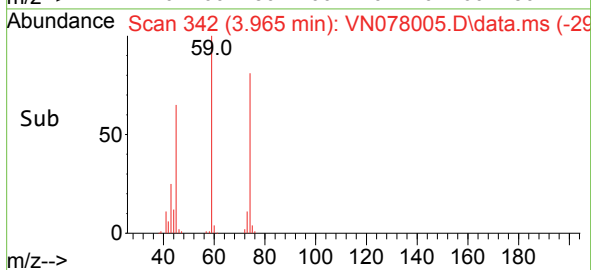
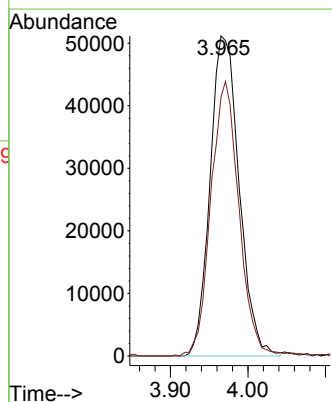
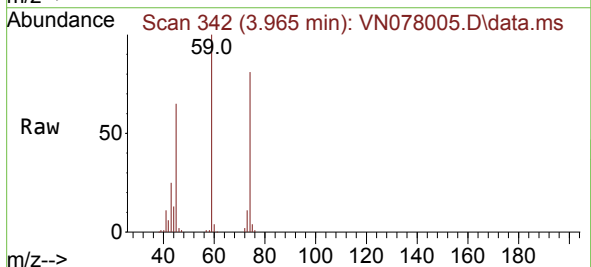
Instrument :
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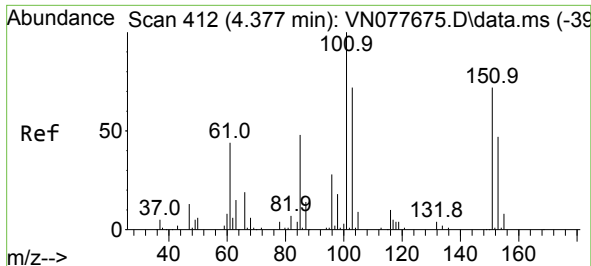
Tgt Ion:101 Resp: 366673
Ion Ratio Lower Upper
101 100
103 64.0 50.7 76.1



#8
Diethyl Ether
Concen: 49.273 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 74 Resp: 133221
Ion Ratio Lower Upper
74 100
45 83.4 34.4 103.3

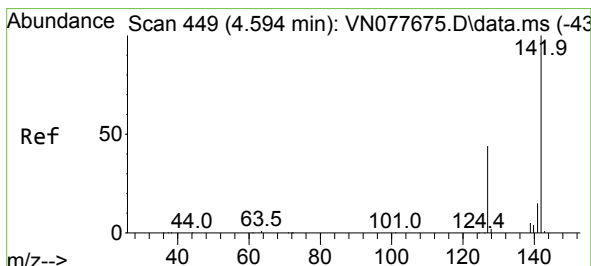
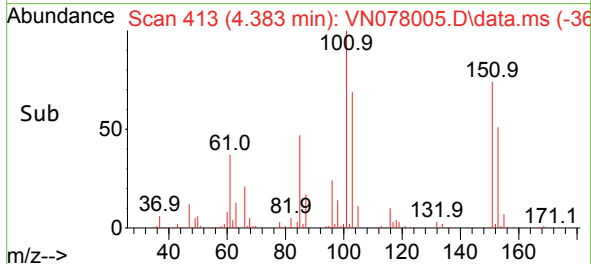
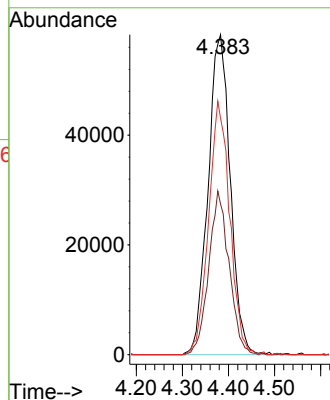
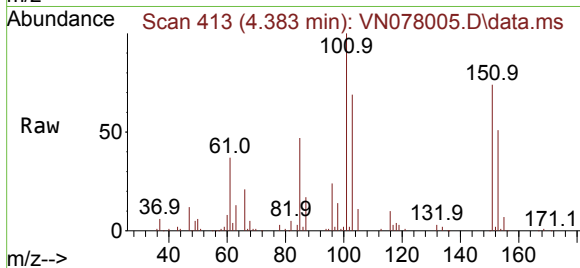




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.642 ug/l
RT: 4.383 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

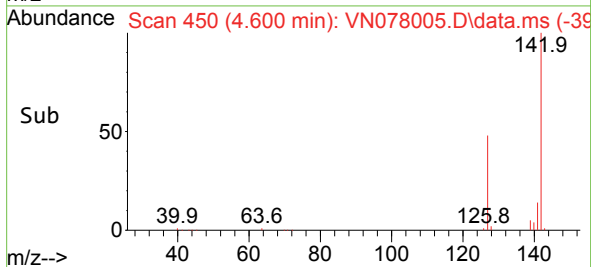
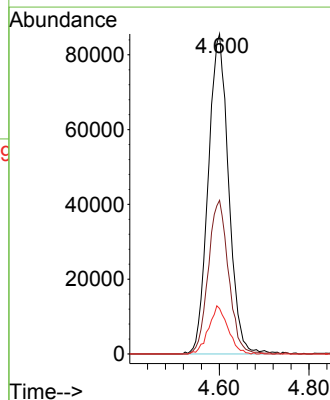
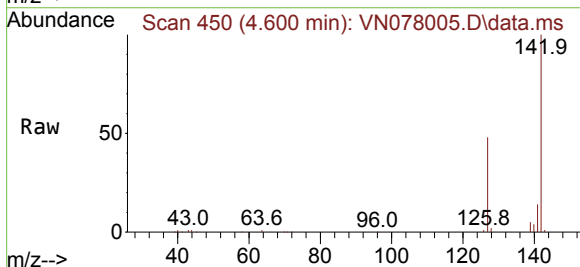
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

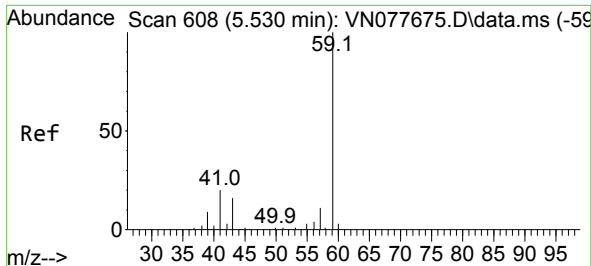
Tgt Ion:101 Resp: 195263
Ion Ratio Lower Upper
101 100
85 46.9 36.6 55.0
151 75.2 57.6 86.4



#10
Methyl Iodide
Concen: 55.143 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion:142 Resp: 269534
Ion Ratio Lower Upper
142 100
127 48.0 37.6 56.4
141 14.2 11.4 17.0

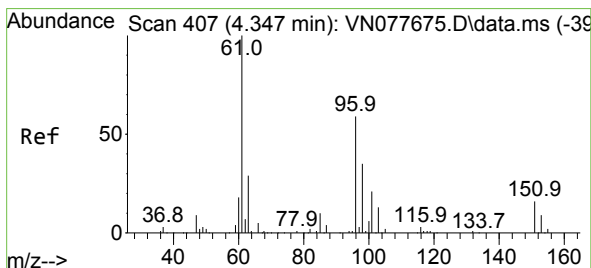
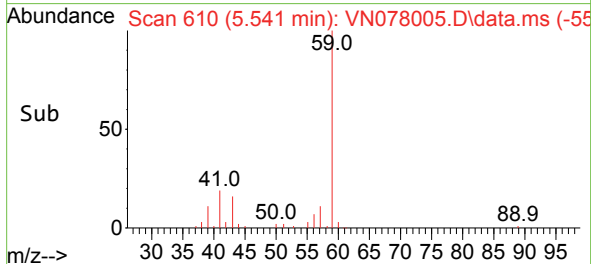
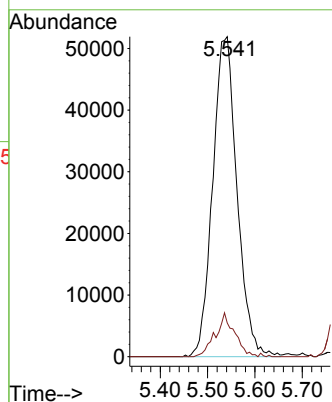
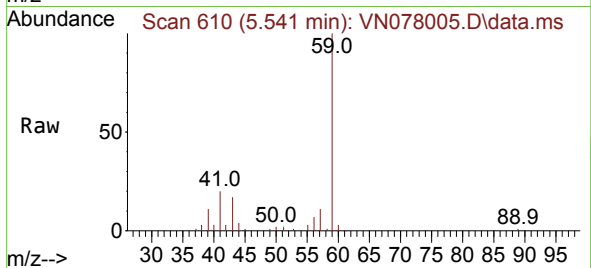




#11
Tert butyl alcohol
Concen: 242.443 ug/l
RT: 5.541 min Scan# 61
Delta R.T. 0.011 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

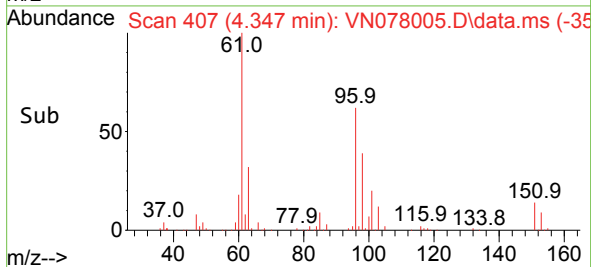
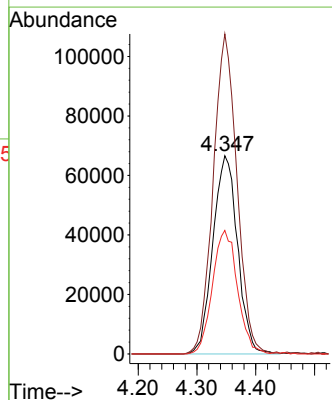
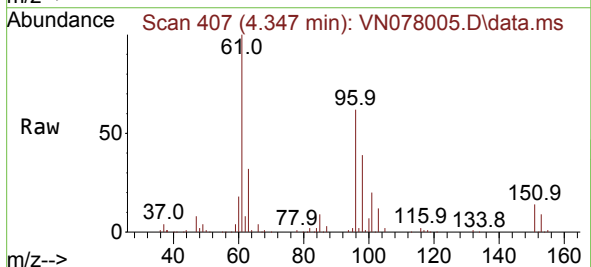
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

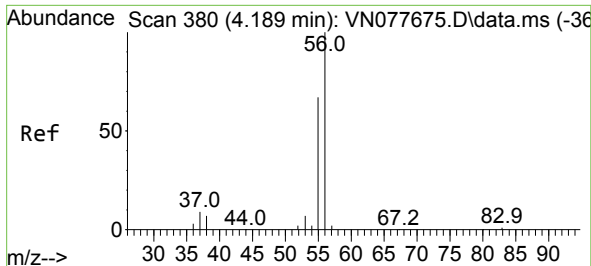
Tgt Ion: 59 Resp: 185420
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.4



#12
1,1-Dichloroethene
Concen: 49.816 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 96 Resp: 194053
Ion Ratio Lower Upper
96 100
61 161.4 112.7 169.1
98 62.3 51.2 76.8

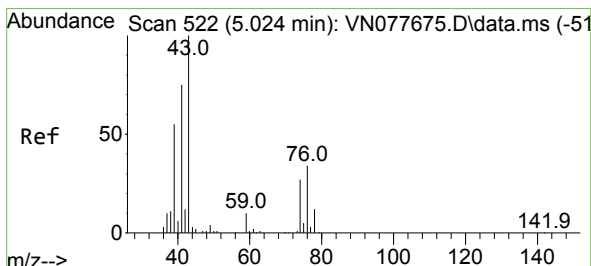
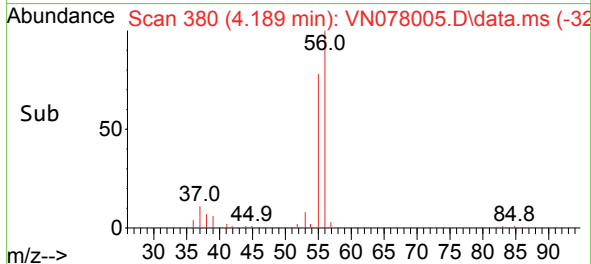
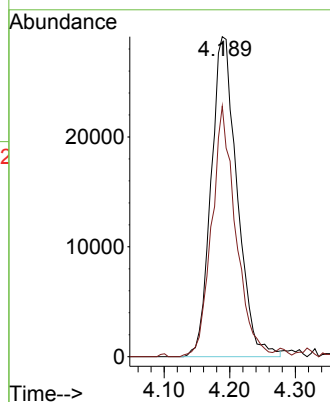
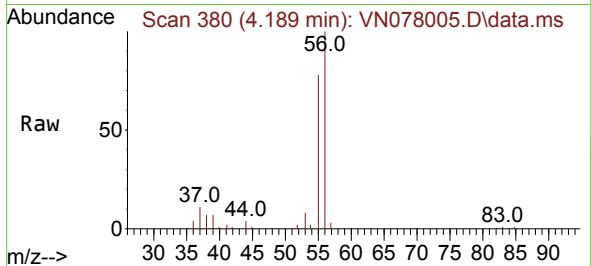




#13
Acrolein
Concen: 157.955 ug/l
RT: 4.189 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

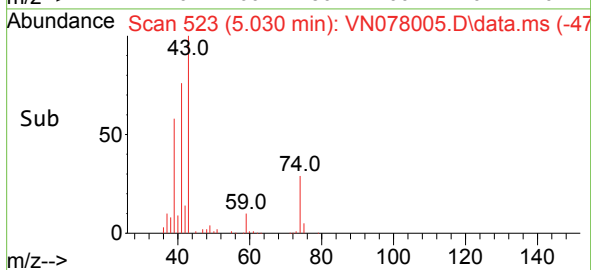
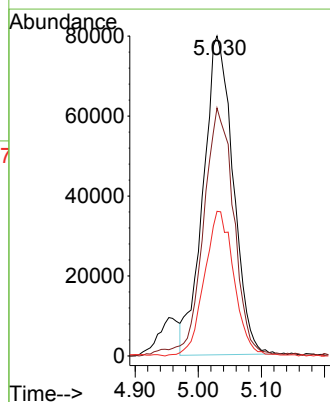
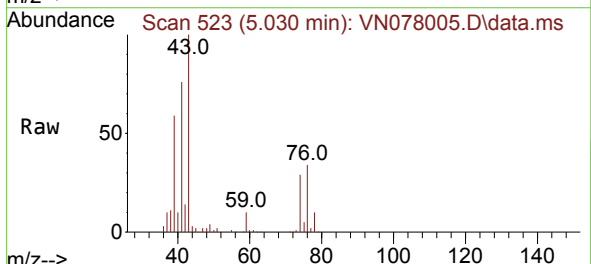
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

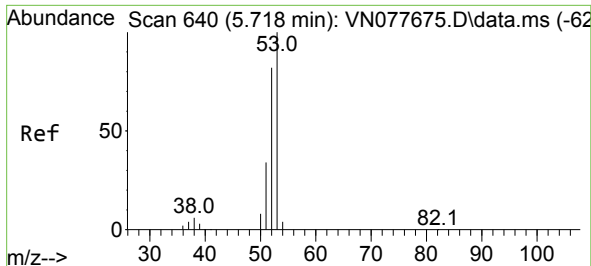
Tgt Ion: 56 Resp: 80187
Ion Ratio Lower Upper
56 100
55 72.5 54.5 81.7



#14
Allyl chloride
Concen: 45.845 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 41 Resp: 262350
Ion Ratio Lower Upper
41 100
39 80.1 58.8 88.2
76 45.1 39.1 58.7

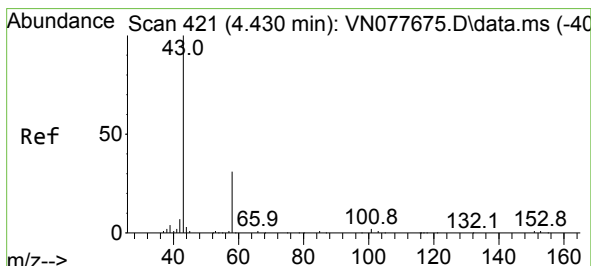
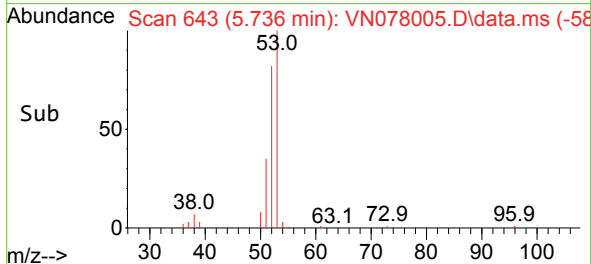
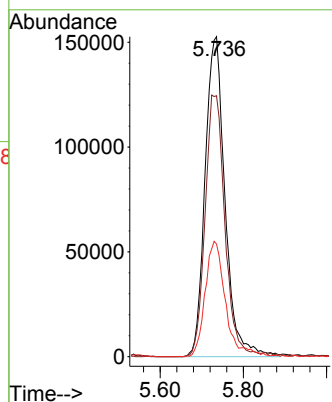
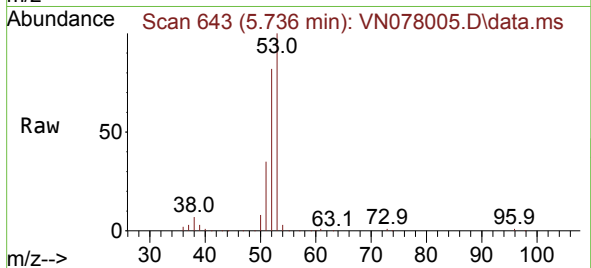




#15
Acrylonitrile
Concen: 248.831 ug/l
RT: 5.736 min Scan# 640
Delta R.T. 0.018 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

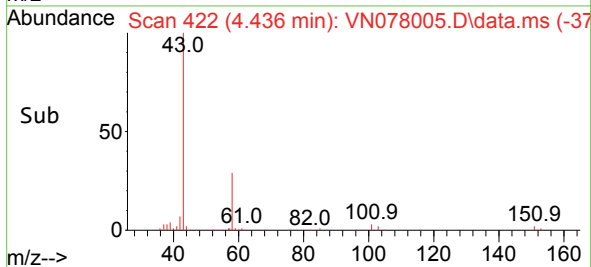
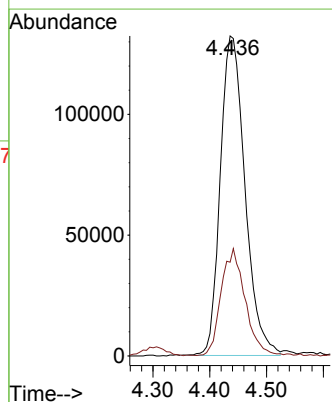
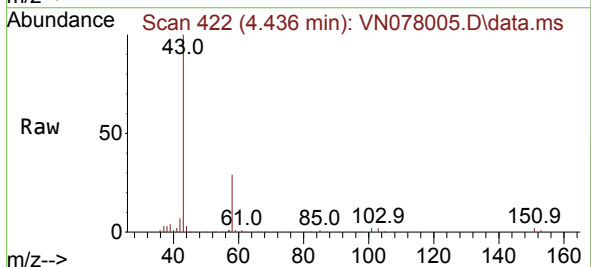
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

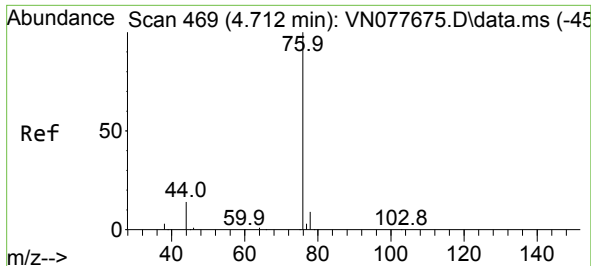
Tgt Ion: 53 Resp: 508423
Ion Ratio Lower Upper
53 100
52 81.1 65.3 97.9
51 36.8 28.9 43.3



#16
Acetone
Concen: 229.444 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 43 Resp: 400028
Ion Ratio Lower Upper
43 100
58 29.1 28.0 42.0

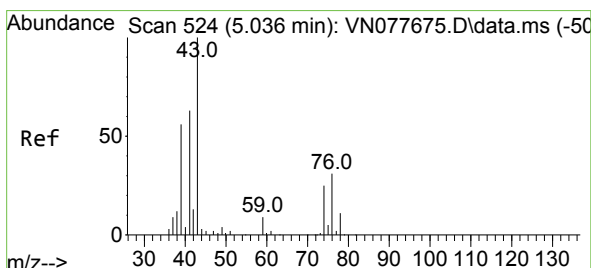
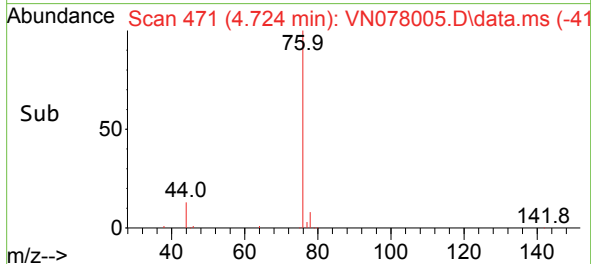
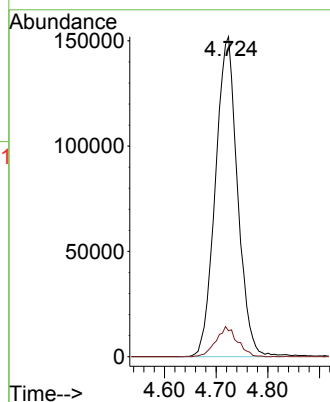
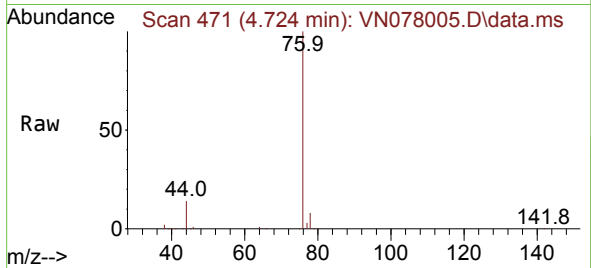




#17
Carbon Disulfide
Concen: 43.071 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

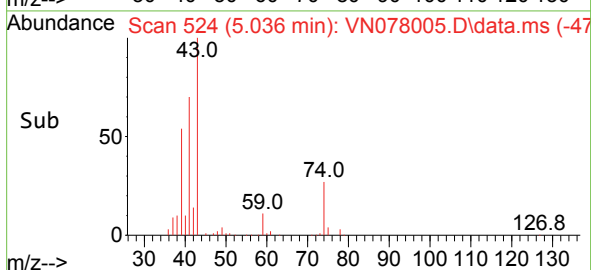
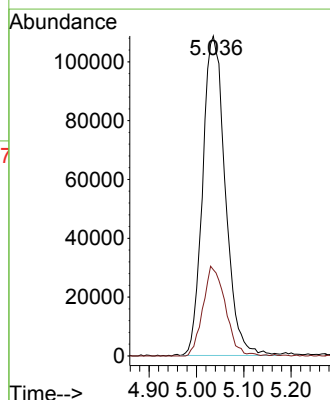
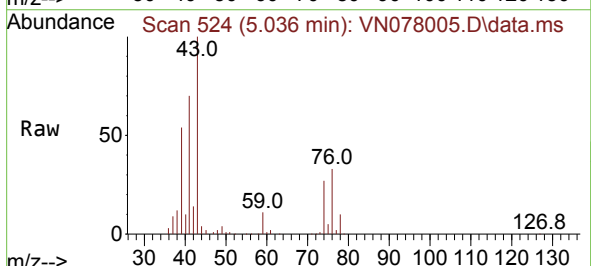
Instrument :
MSVOA_N
ClientSampleId :
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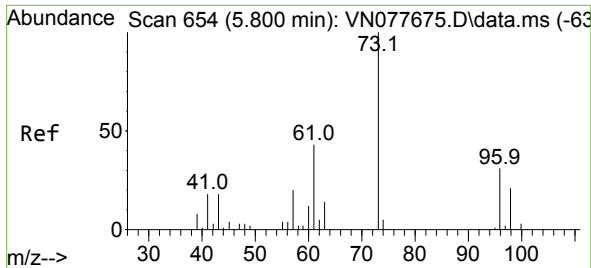
Tgt Ion: 76 Resp: 452071
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0



#18
Methyl Acetate
Concen: 49.366 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 43 Resp: 361073
Ion Ratio Lower Upper
43 100
74 27.5 26.2 39.4

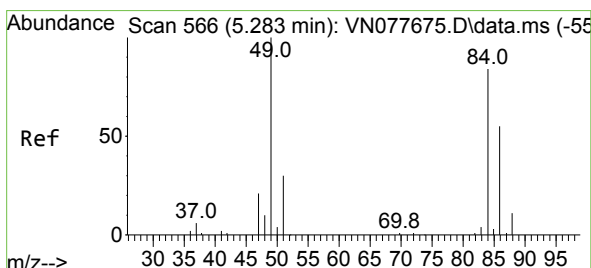
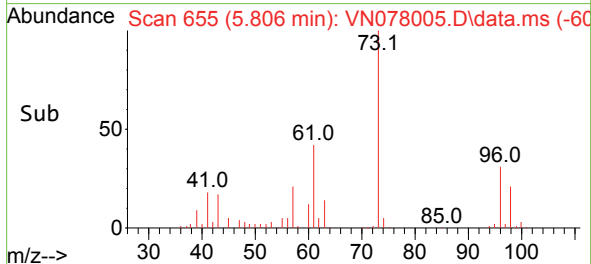
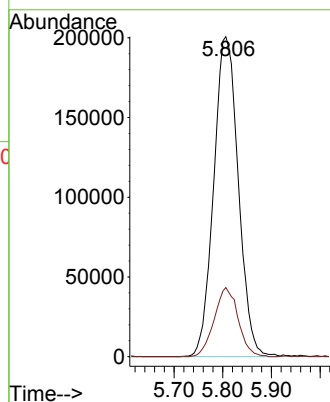
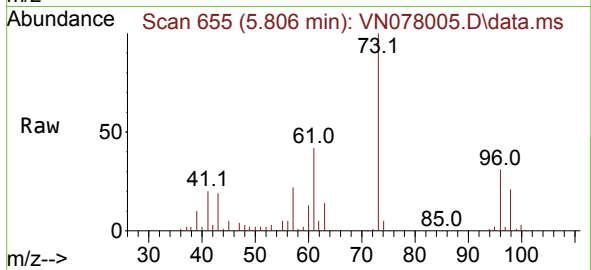




#19
Methyl tert-butyl Ether
Concen: 49.976 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

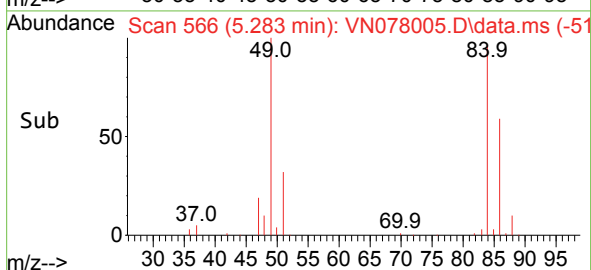
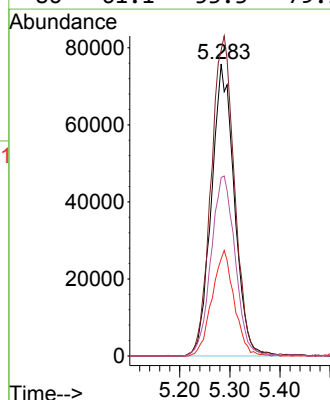
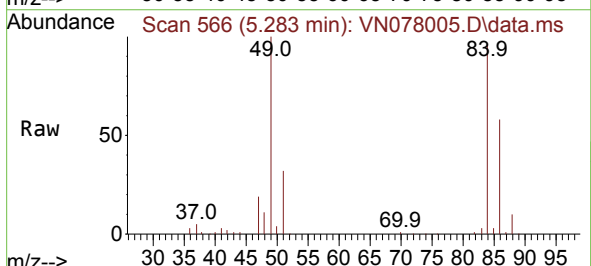
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

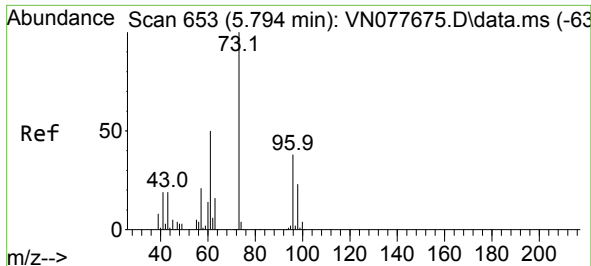
Tgt Ion: 73 Resp: 704657
Ion Ratio Lower Upper
73 100
57 21.6 15.6 23.4



#20
Methylene Chloride
Concen: 53.188 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 84 Resp: 240790
Ion Ratio Lower Upper
84 100
49 104.6 79.7 119.5
51 33.3 25.2 37.8
86 61.1 53.3 79.9

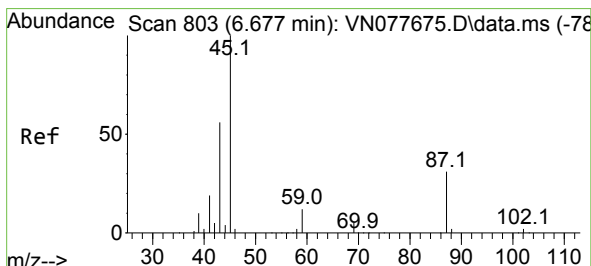
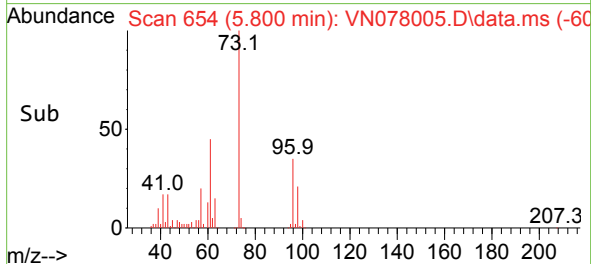
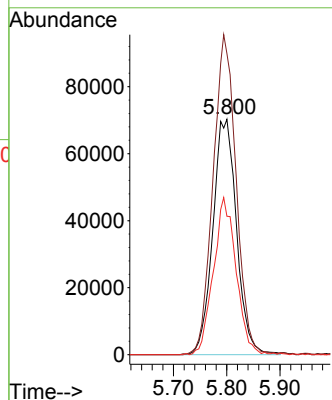
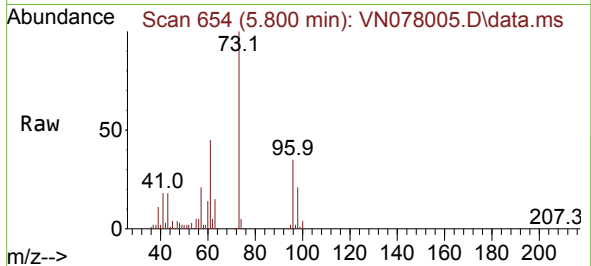




#21
trans-1,2-Dichloroethene
Concen: 49.640 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

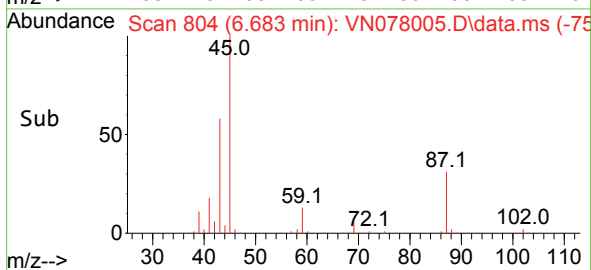
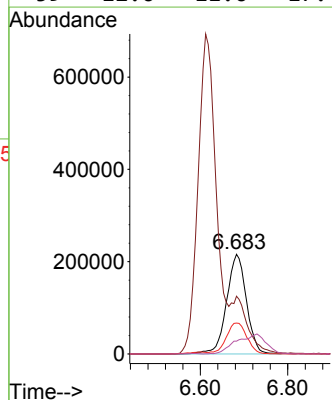
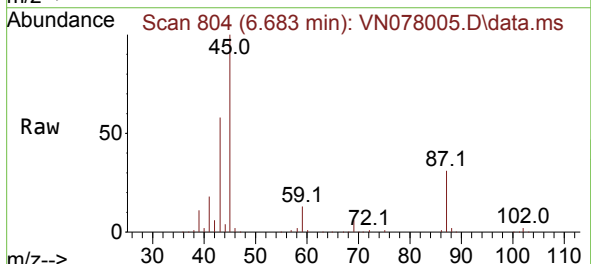
Instrument :
MSVOA_N
ClientSampleId :
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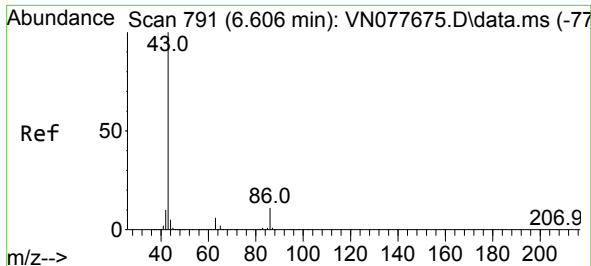
Tgt Ion: 96 Resp: 217209
Ion Ratio Lower Upper
96 100
61 127.9 90.1 135.1
98 58.8 46.4 69.6



#22
Diisopropyl ether
Concen: 50.610 ug/l
RT: 6.683 min Scan# 804
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 45 Resp: 678841
Ion Ratio Lower Upper
45 100
43 57.2 45.5 68.3
87 30.9 31.8 47.8#
59 12.6 11.6 17.4

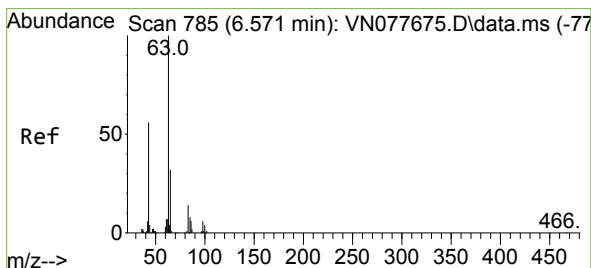
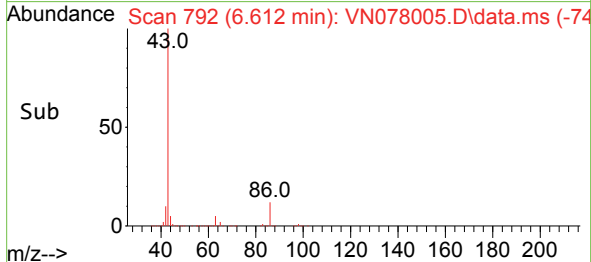
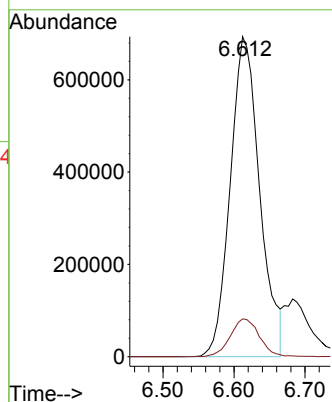
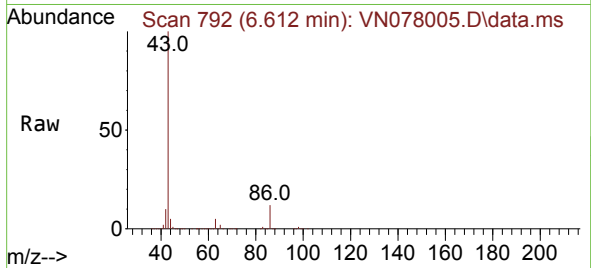




#23
 Vinyl Acetate
 Concen: 240.641 ug/l
 RT: 6.612 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN078005.D
 Acq: 31 May 2023 20:10

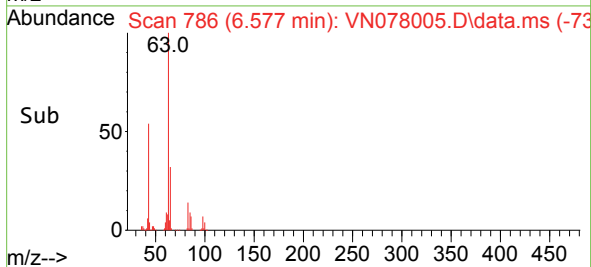
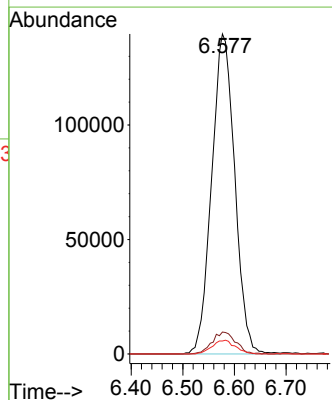
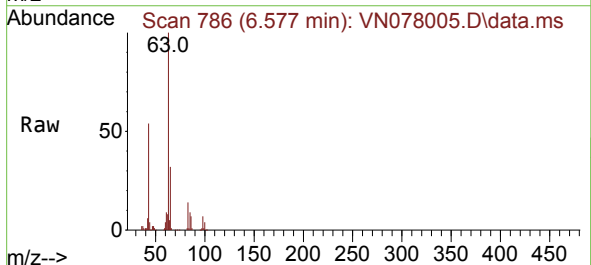
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

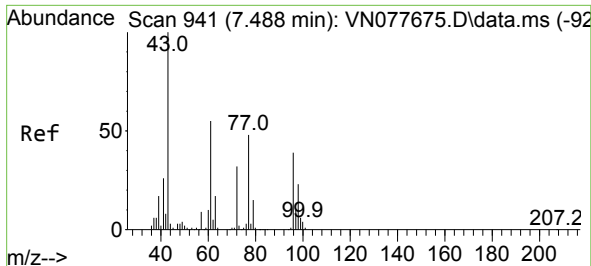
Tgt Ion: 43 Resp: 1999872
 Ion Ratio Lower Upper
 43 100
 86 11.8 13.0 19.6#



#24
 1,1-Dichloroethane
 Concen: 52.743 ug/l
 RT: 6.577 min Scan# 786
 Delta R.T. 0.006 min
 Lab File: VN078005.D
 Acq: 31 May 2023 20:10

Tgt Ion: 63 Resp: 433417
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.9 11.7
 100 4.1 2.5 7.4

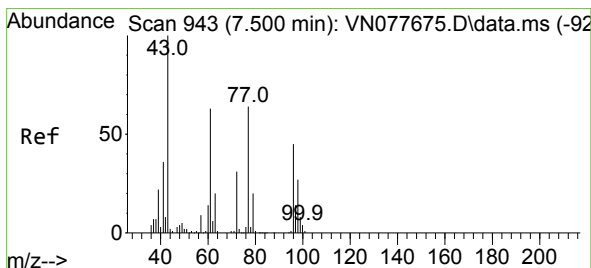
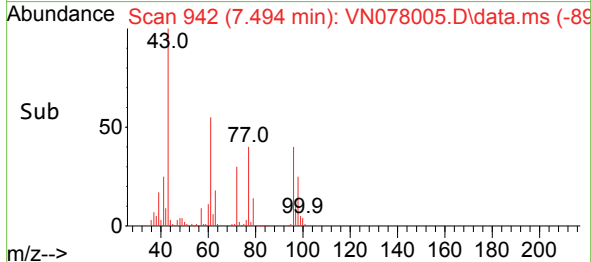
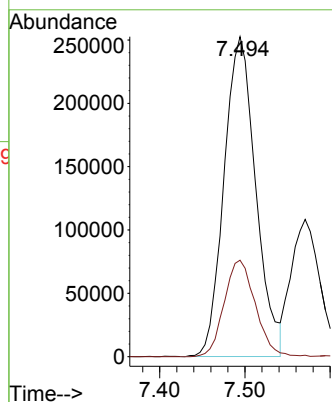
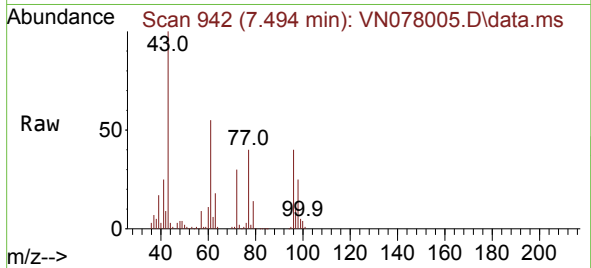




#25
2-Butanone
Concen: 239.231 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

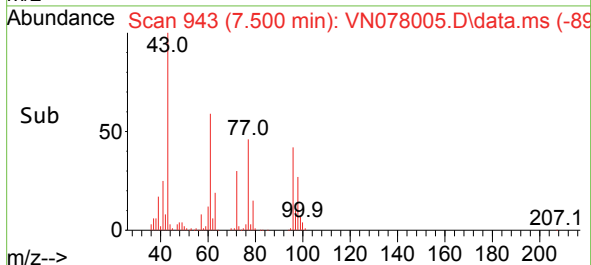
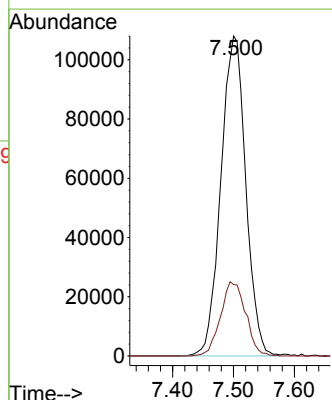
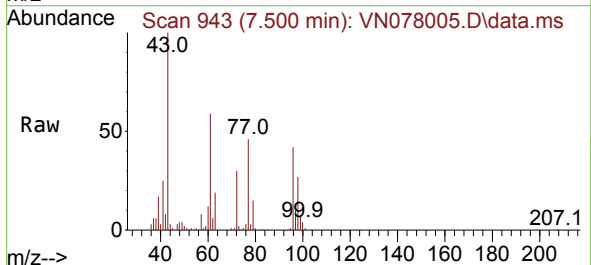
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

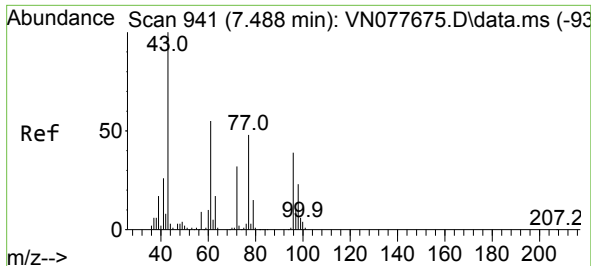
Tgt Ion: 43 Resp: 652458
Ion Ratio Lower Upper
43 100
72 30.2 30.2 45.2



#26
2,2-Dichloropropane
Concen: 43.946 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 77 Resp: 306805
Ion Ratio Lower Upper
77 100
97 23.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 51.374 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

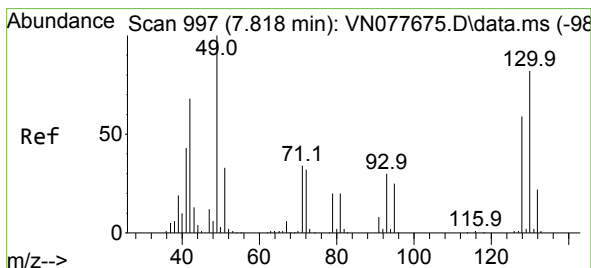
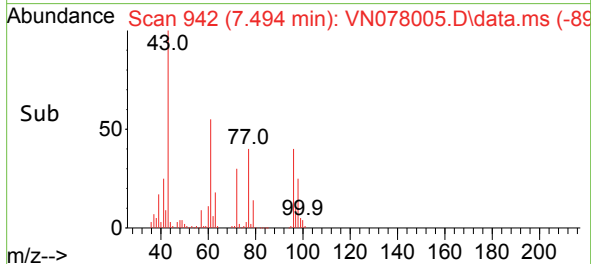
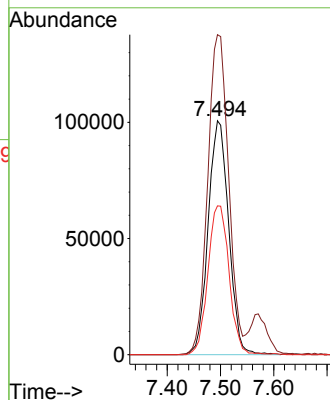
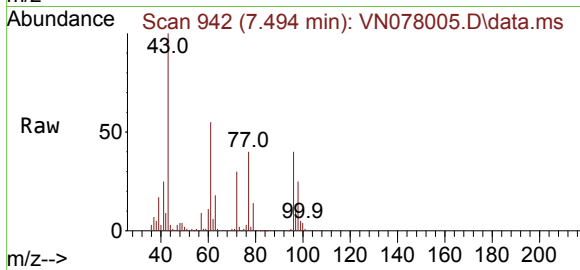
Tgt Ion: 96 Resp: 269544

Ion Ratio Lower Upper

96 100

61 139.8 0.0 255.2

98 65.6 0.0 128.8



#28

Bromochloromethane

Concen: 50.258 ug/l

RT: 7.818 min Scan# 997

Delta R.T. -0.000 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

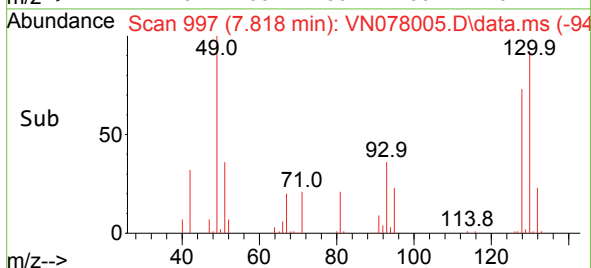
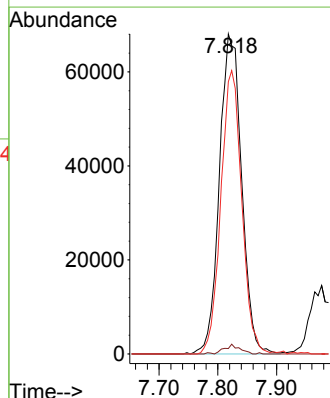
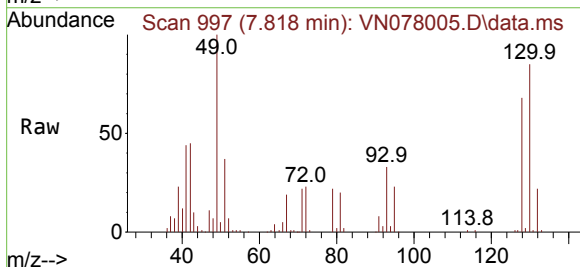
Tgt Ion: 49 Resp: 178615

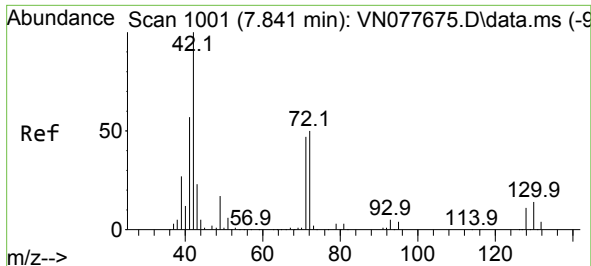
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.8

130 83.4 75.3 112.9





#29

Tetrahydrofuran

Concen: 237.472 ug/l

RT: 7.847 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

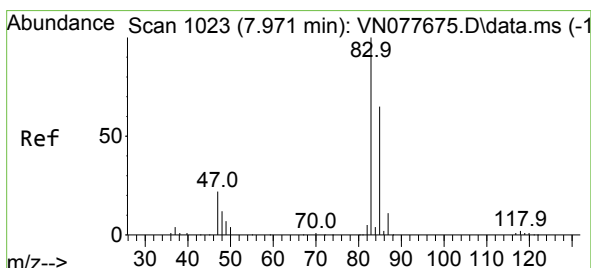
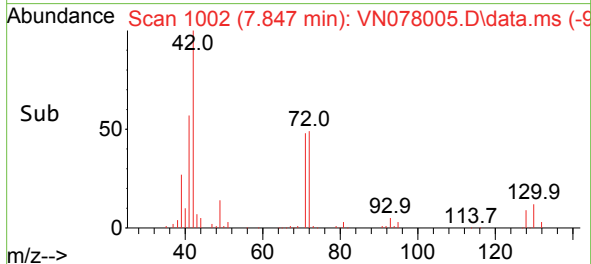
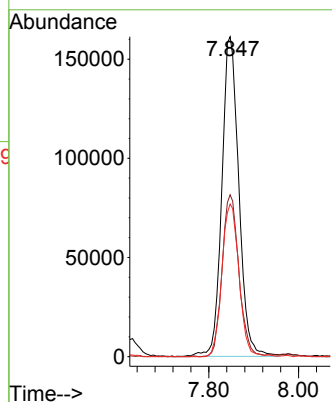
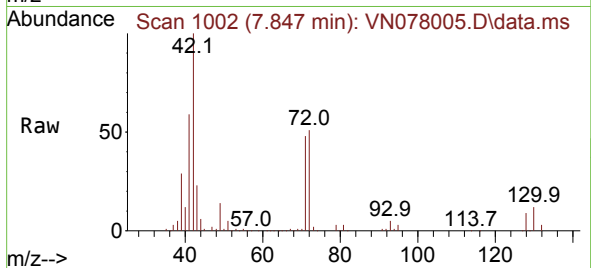
Tgt Ion: 42 Resp: 424082

Ion Ratio Lower Upper

42 100

72 49.9 49.8 74.6

71 47.8 47.4 71.2



#30

Chloroform

Concen: 52.312 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN078005.D

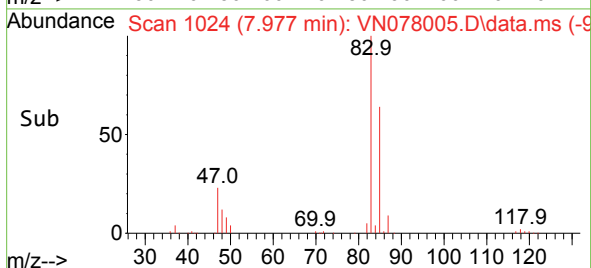
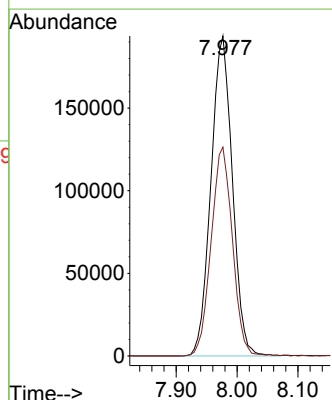
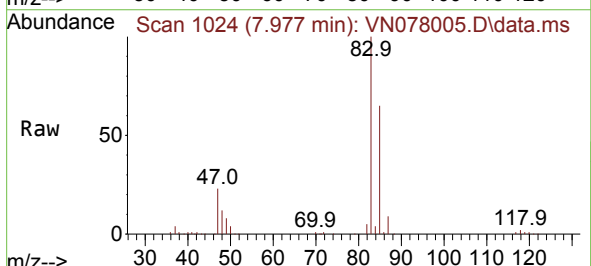
Acq: 31 May 2023 20:10

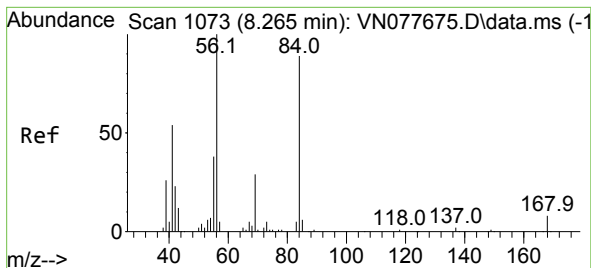
Tgt Ion: 83 Resp: 472883

Ion Ratio Lower Upper

83 100

85 65.3 55.4 83.0





#31

Cyclohexane

Concen: 44.400 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. -0.000 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

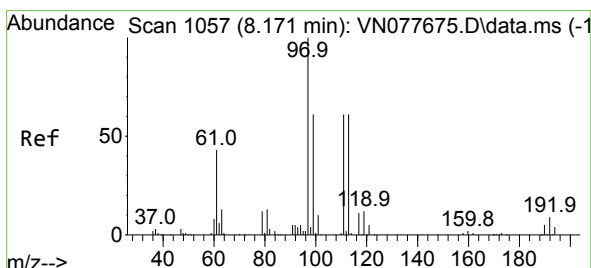
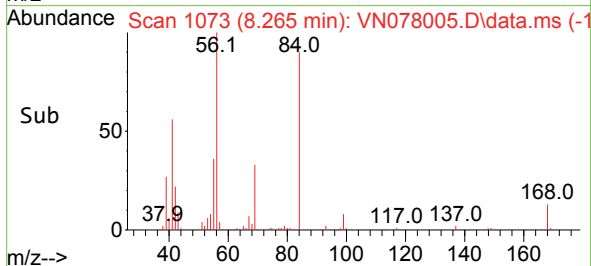
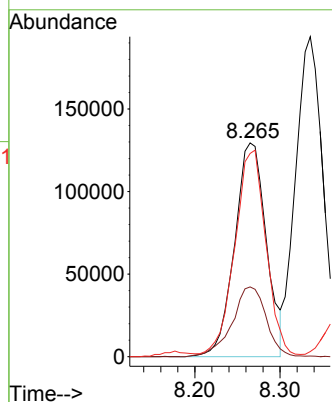
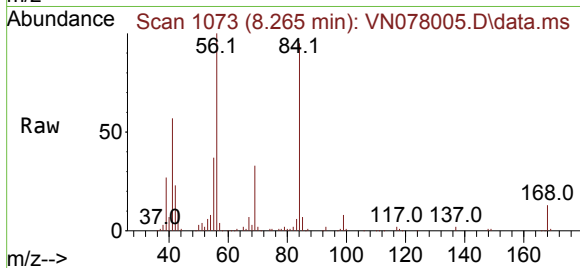
Tgt Ion: 56 Resp: 334415

Ion Ratio Lower Upper

56 100

69 32.6 26.8 40.2

84 93.2 81.8 122.6



#32

1,1,1-Trichloroethane

Concen: 53.604 ug/l

RT: 8.182 min Scan# 1059

Delta R.T. 0.011 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

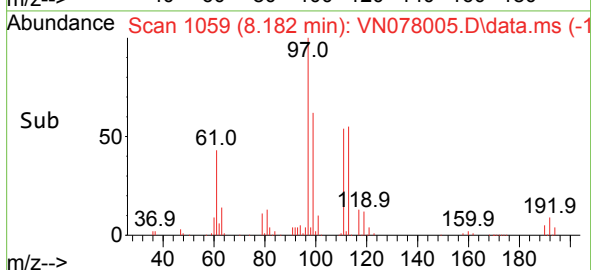
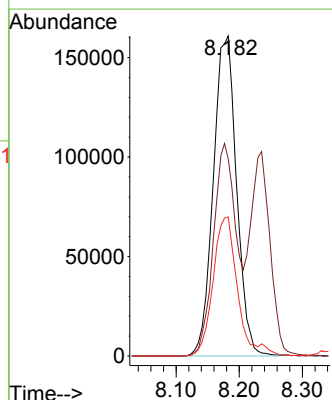
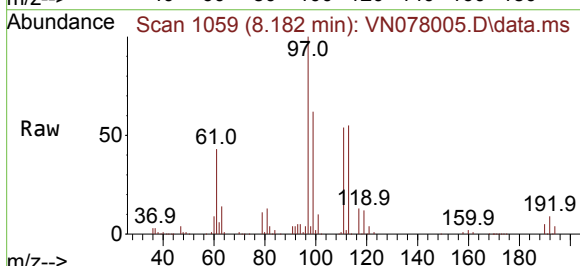
Tgt Ion: 97 Resp: 411971

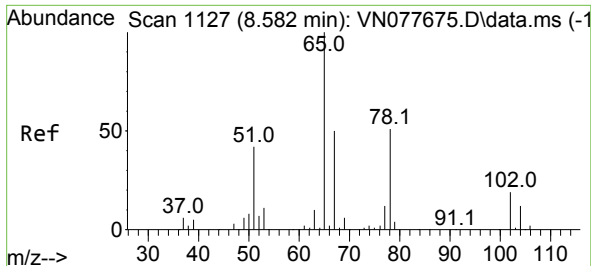
Ion Ratio Lower Upper

97 100

99 65.0 50.3 75.5

61 45.7 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 49.144 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

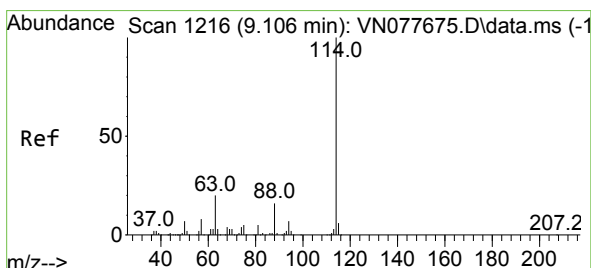
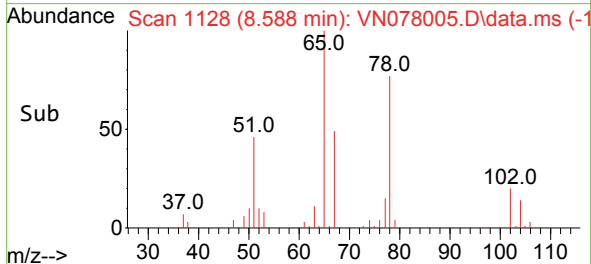
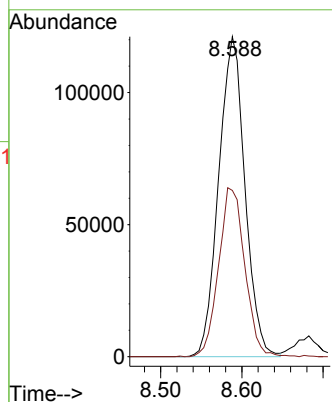
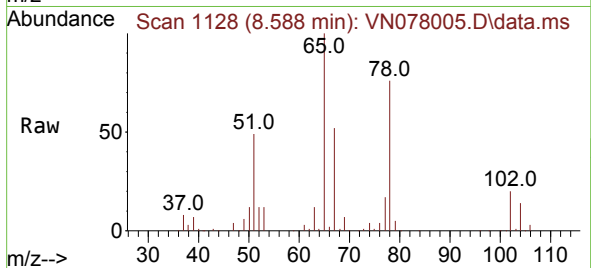
VSTDCCC050EC

Tgt Ion: 65 Resp: 272337

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

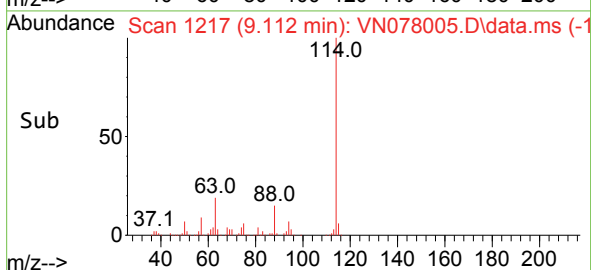
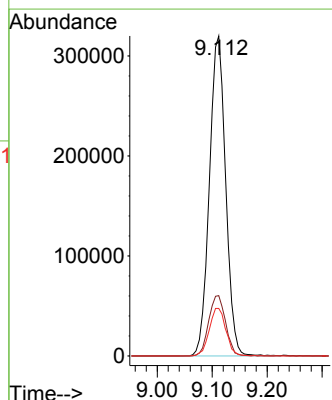
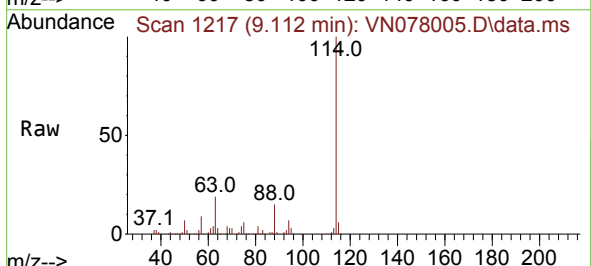
Tgt Ion: 114 Resp: 658340

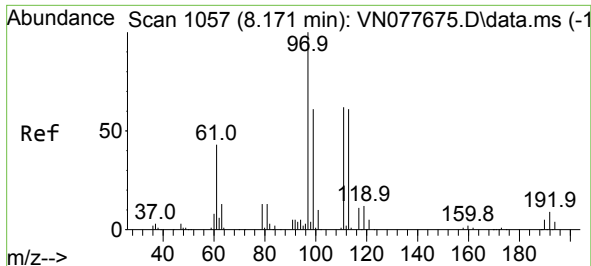
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.4

88 14.9 0.0 30.6

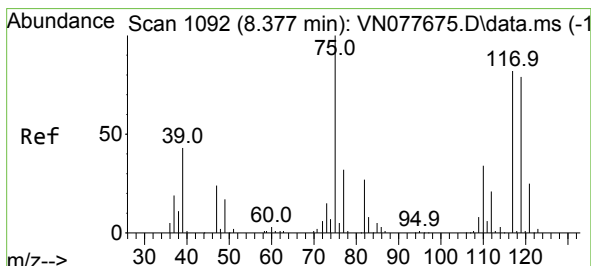
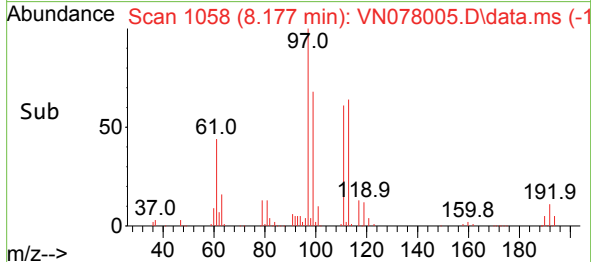
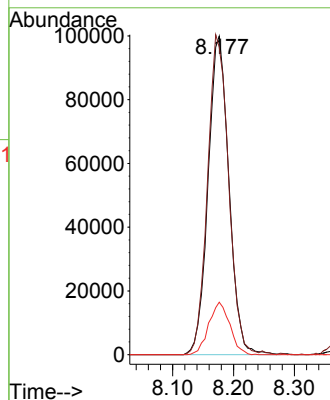
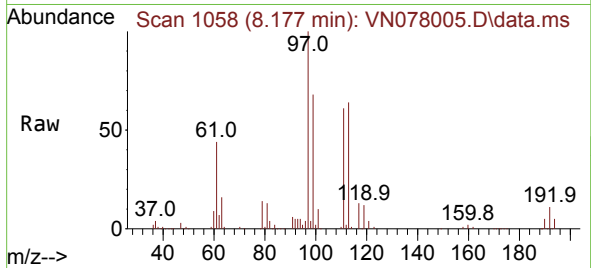




#35
Dibromofluoromethane
Concen: 55.222 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

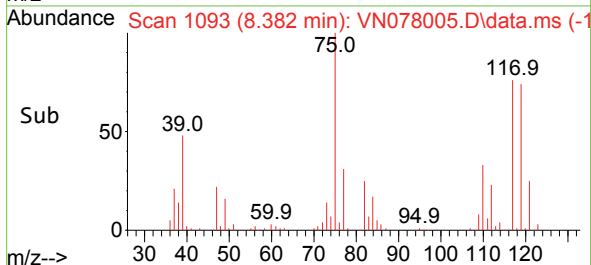
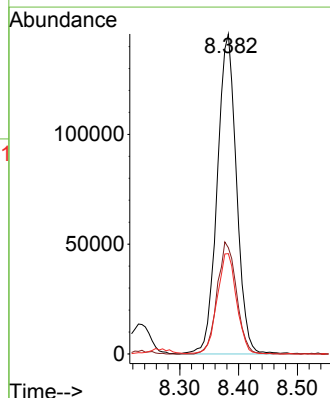
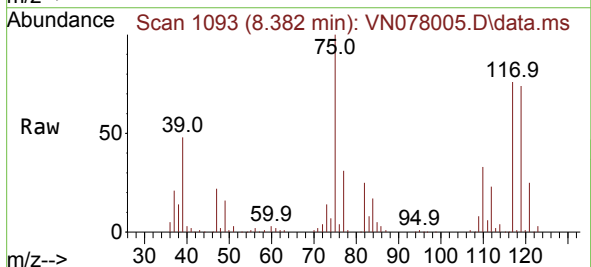
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

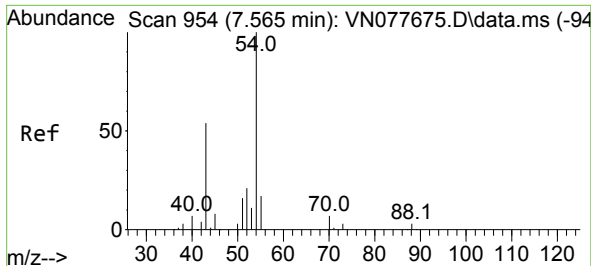
Tgt Ion:113 Resp: 237065
Ion Ratio Lower Upper
113 100
111 101.5 82.6 123.8
192 16.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 52.784 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.005 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 75 Resp: 331436
Ion Ratio Lower Upper
75 100
110 35.1 19.1 57.3
77 31.7 25.0 37.4





#37

Ethyl Acetate

Concen: 46.455 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

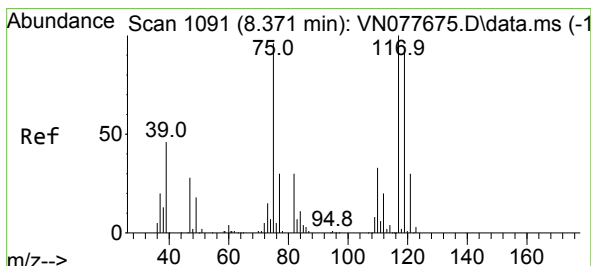
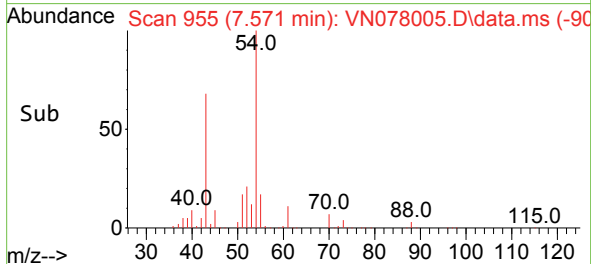
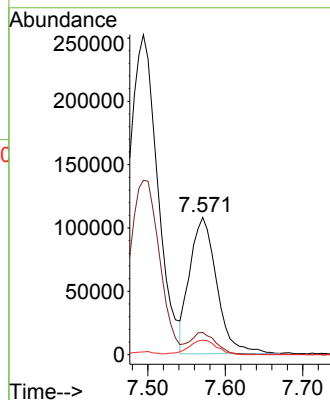
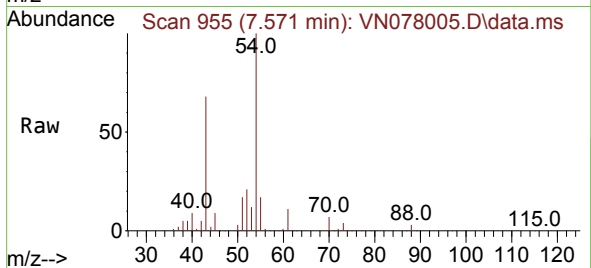
Tgt Ion: 43 Resp: 259991

Ion Ratio Lower Upper

43 100

61 14.6 13.2 19.8

70 11.2 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 56.737 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

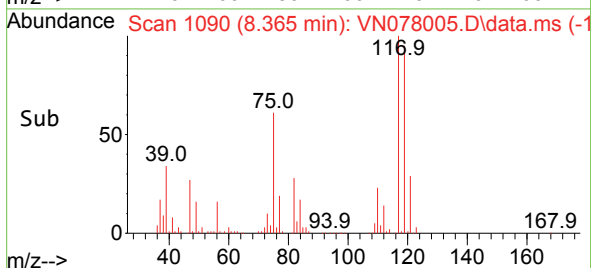
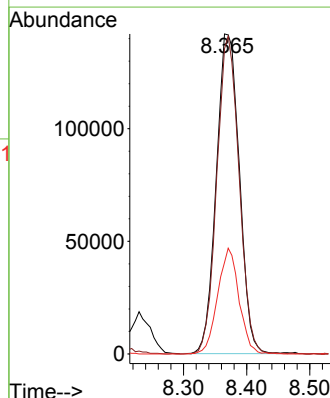
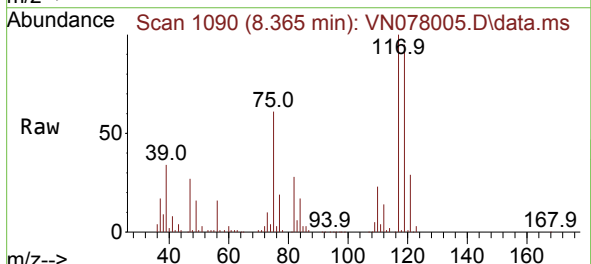
Tgt Ion: 117 Resp: 359748

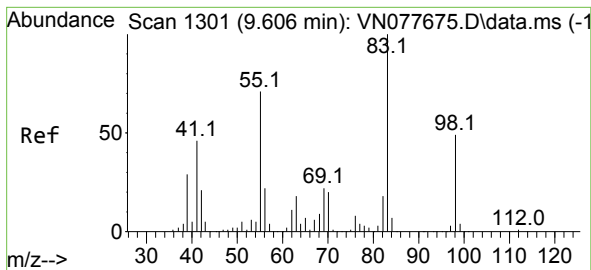
Ion Ratio Lower Upper

117 100

119 95.5 77.3 115.9

121 28.6 23.3 34.9





#39

Methylcyclohexane

Concen: 46.038 ug/l

RT: 9.612 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

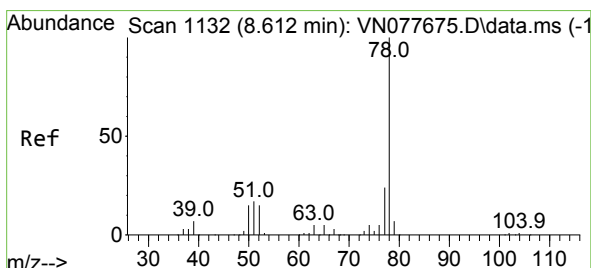
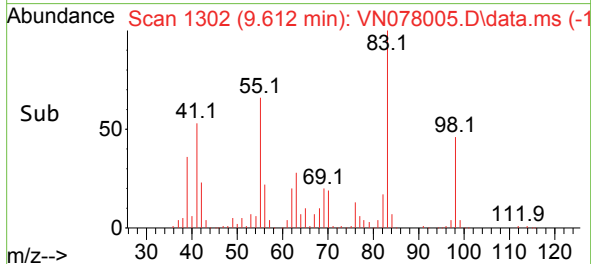
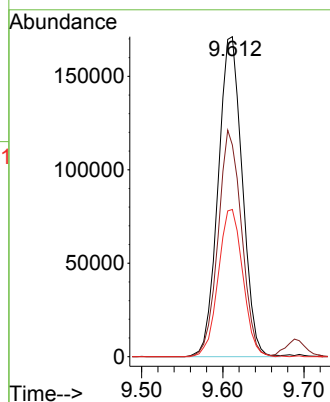
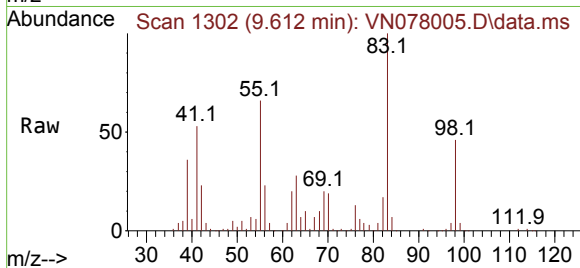
Tgt Ion: 83 Resp: 353908

Ion Ratio Lower Upper

83 100

55 66.2 49.1 73.7

98 46.0 40.6 61.0



#40

Benzene

Concen: 54.277 ug/l

RT: 8.618 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VN078005.D

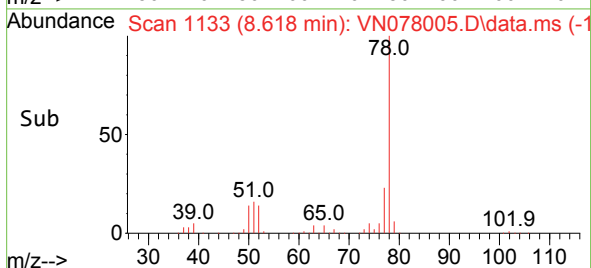
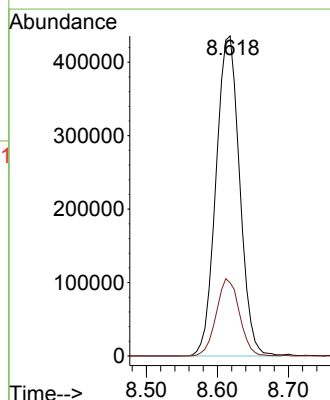
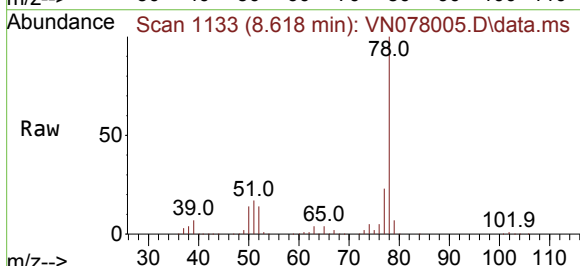
Acq: 31 May 2023 20:10

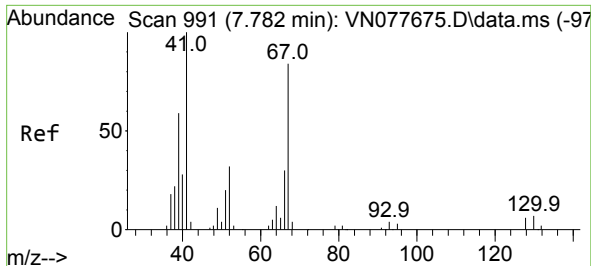
Tgt Ion: 78 Resp: 1005719

Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.6

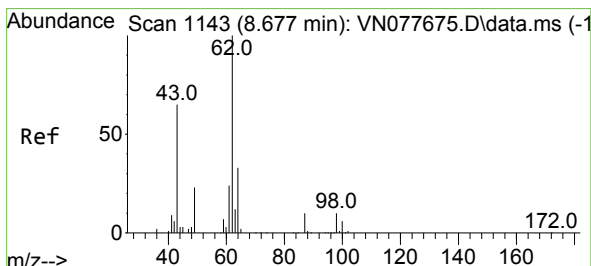
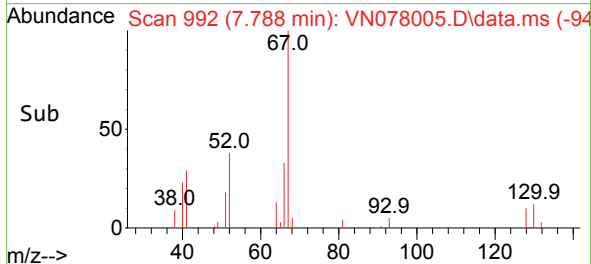
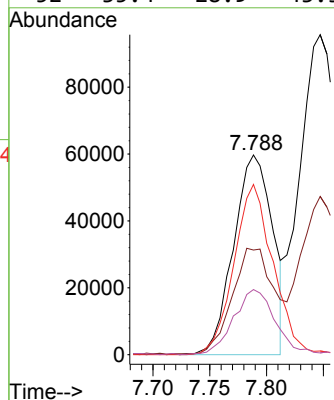
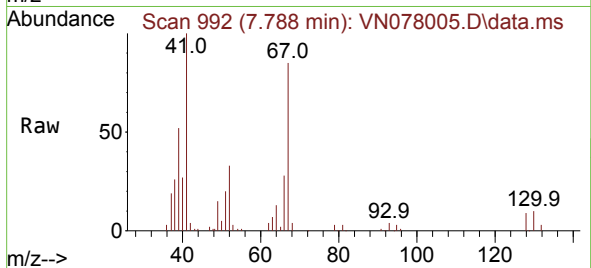




#41
Methacrylonitrile
Concen: 47.807 ug/l
RT: 7.788 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

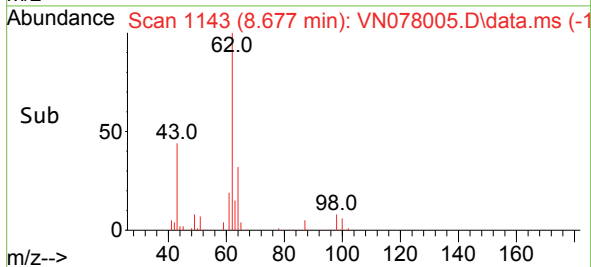
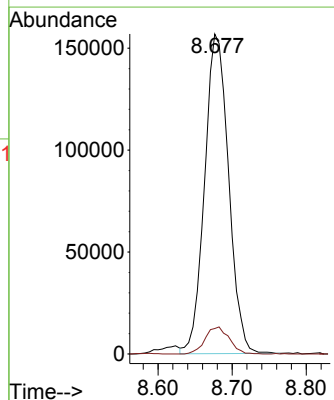
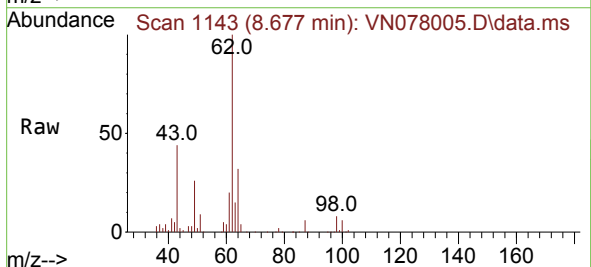
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

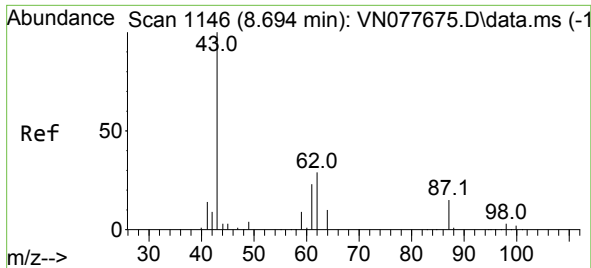
Tgt Ion:	41	Resp:	142491
Ion	Ratio	Lower	Upper
41	100		
39	58.3	42.6	64.0
67	85.9	77.5	116.3
52	35.4	28.9	43.3



#42
1,2-Dichloroethane
Concen: 52.426 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion:	62	Resp:	352874
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	19.8

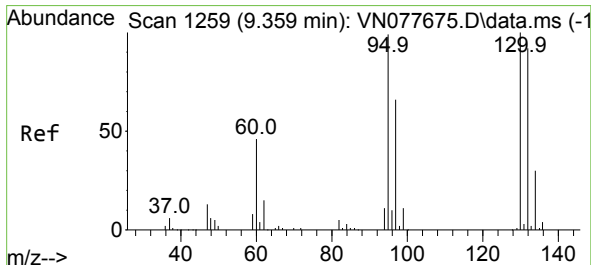
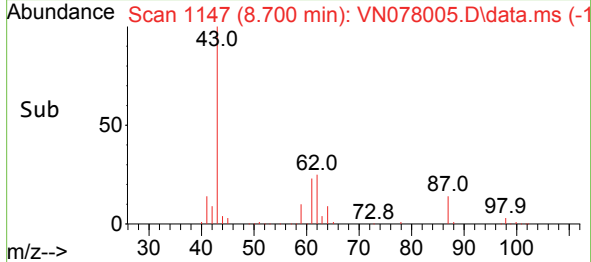
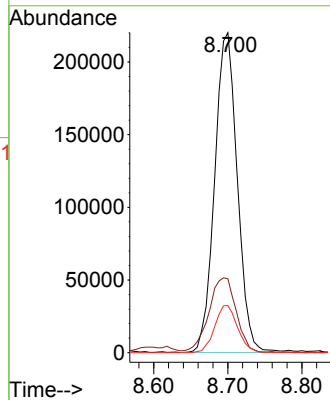
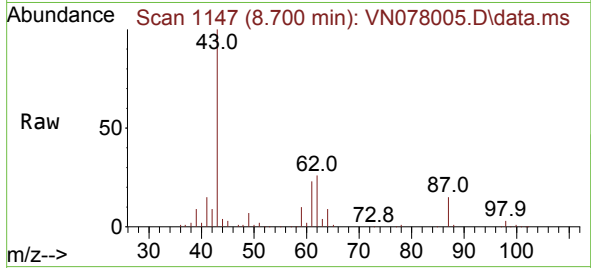




#43
Isopropyl Acetate
Concen: 51.038 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

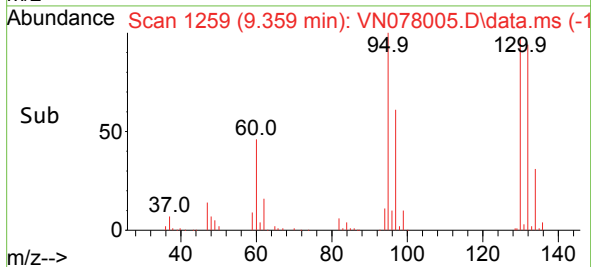
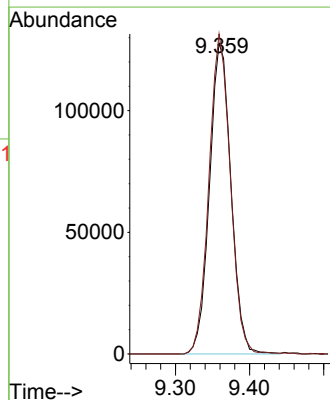
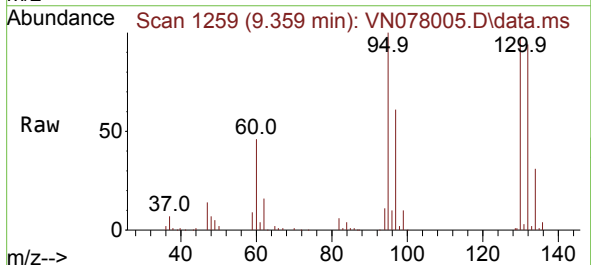
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

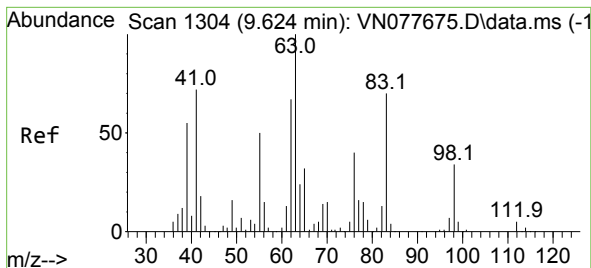
Tgt Ion: 43 Resp: 466565
Ion Ratio Lower Upper
43 100
61 28.0 24.7 37.1
87 15.0 14.6 21.8



#44
Trichloroethene
Concen: 54.730 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion:130 Resp: 256783
Ion Ratio Lower Upper
130 100
95 103.0 0.0 204.6





#45

1,2-Dichloropropane

Concen: 55.154 ug/l

RT: 9.629 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

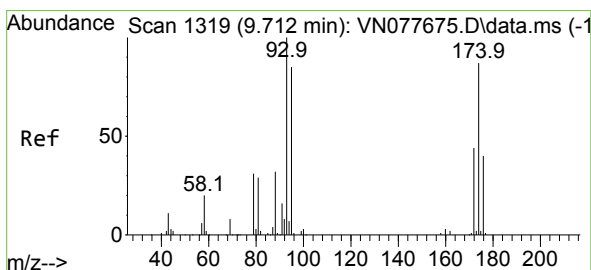
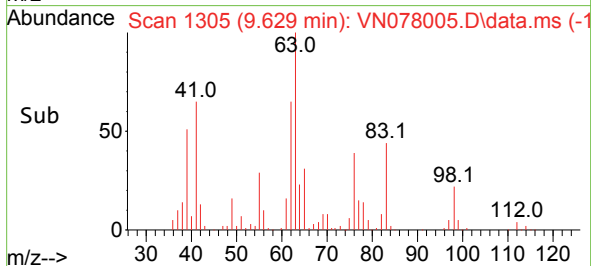
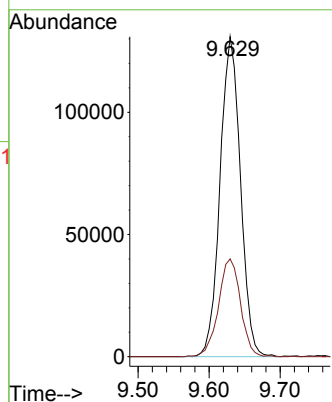
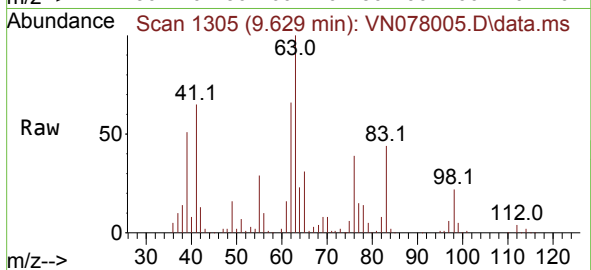
VSTDCCC050EC

Tgt Ion: 63 Resp: 260677

Ion Ratio Lower Upper

63 100

65 30.5 23.9 35.9



#46

Dibromomethane

Concen: 54.044 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

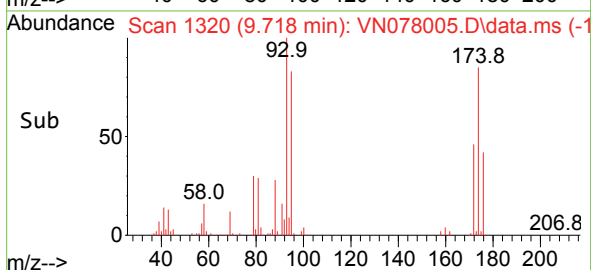
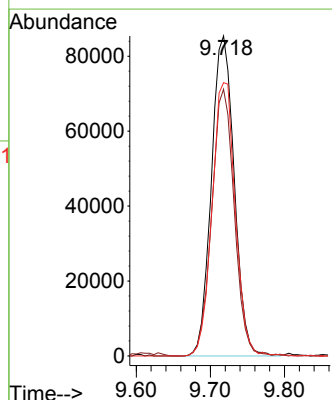
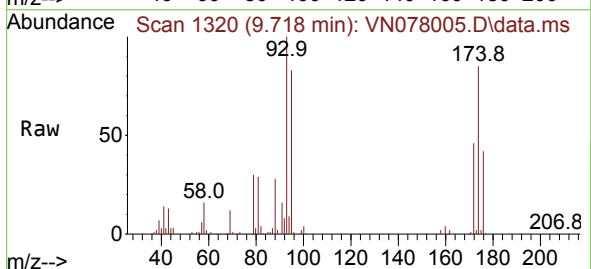
Tgt Ion: 93 Resp: 182777

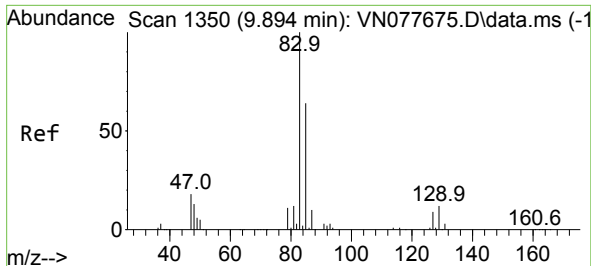
Ion Ratio Lower Upper

93 100

95 82.2 63.8 95.8

174 86.9 65.6 98.4

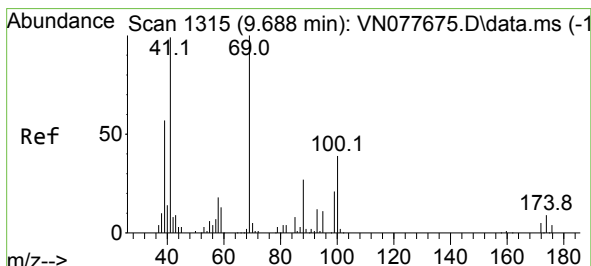
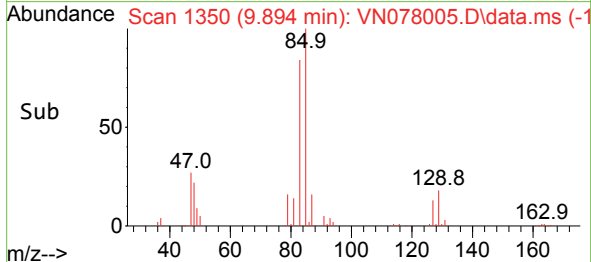
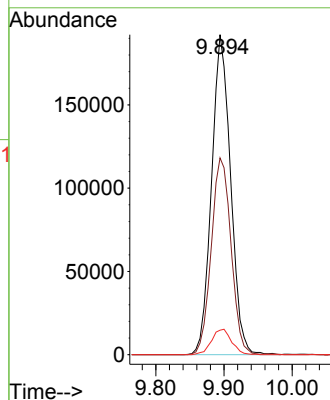
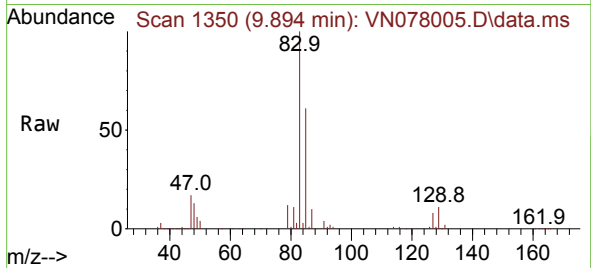




#47
Bromodichloromethane
Concen: 57.700 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

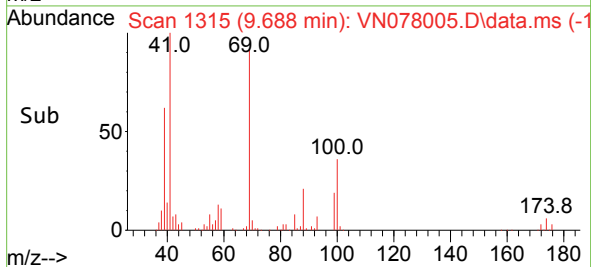
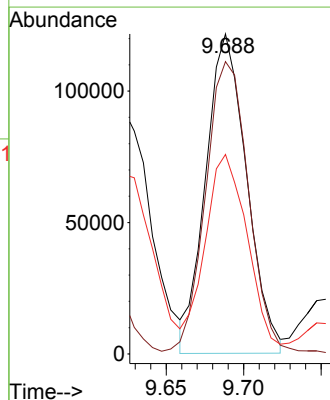
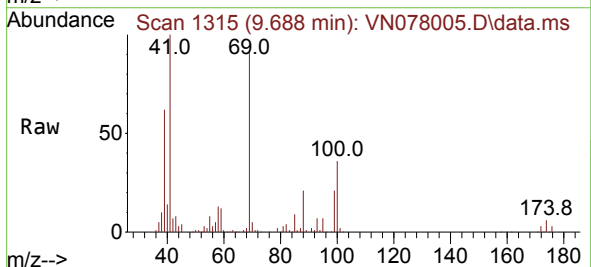
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

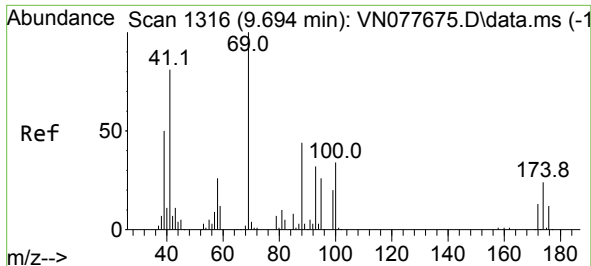
Tgt Ion: 83 Resp: 373604
Ion Ratio Lower Upper
83 100
85 61.5 49.6 74.4
127 7.7 7.0 10.6



#48
Methyl methacrylate
Concen: 51.462 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 41 Resp: 223046
Ion Ratio Lower Upper
41 100
69 97.4 90.4 135.6
39 65.0 54.6 81.8





#49

1,4-Dioxane

Concen: 1171.402 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

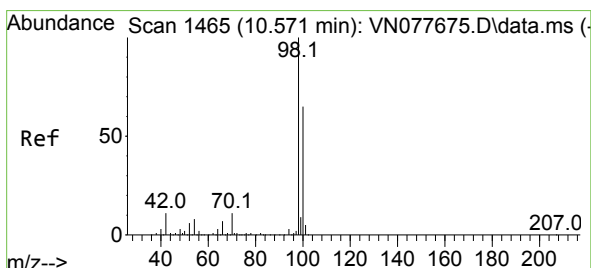
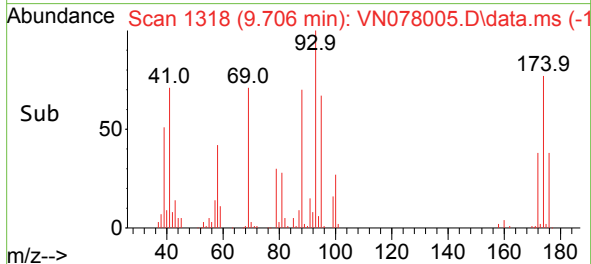
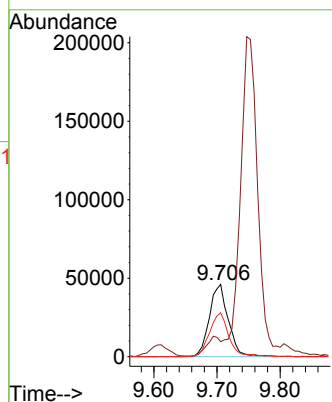
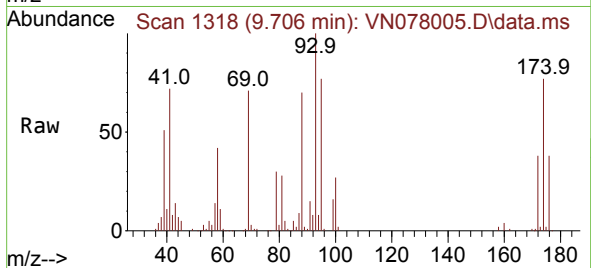
Tgt Ion: 88 Resp: 95892

Ion Ratio Lower Upper

88 100

43 20.4 17.0 25.6

58 62.0 47.0 70.4



#50

Toluene-d8

Concen: 52.080 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN078005.D

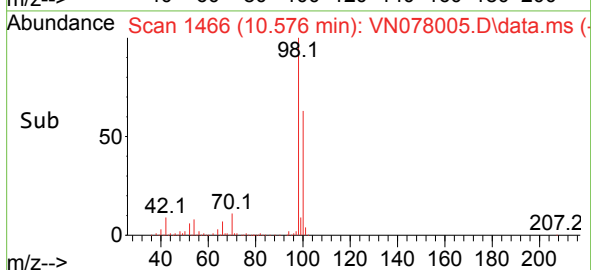
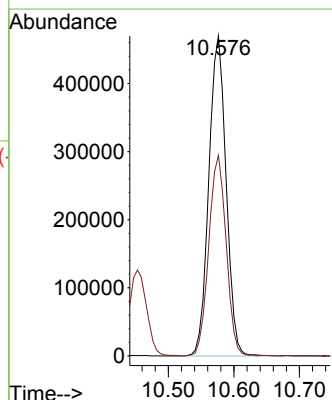
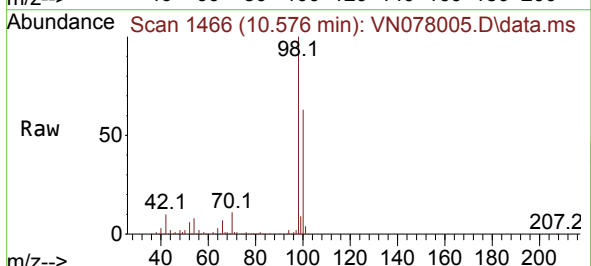
Acq: 31 May 2023 20:10

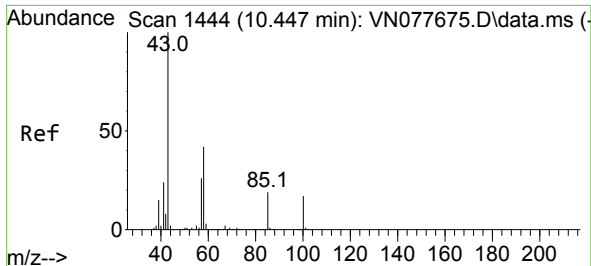
Tgt Ion: 98 Resp: 860563

Ion Ratio Lower Upper

98 100

100 63.3 52.0 78.0

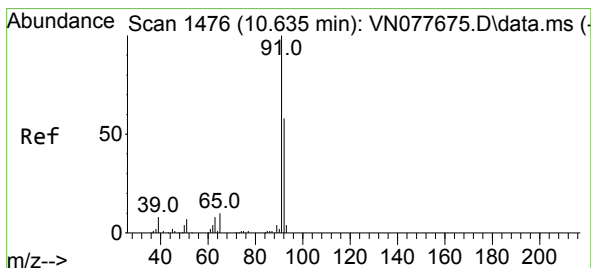
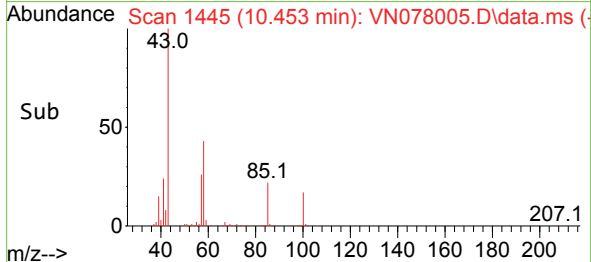
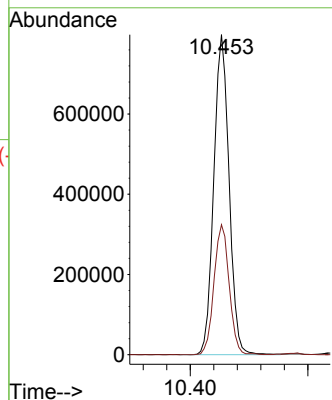
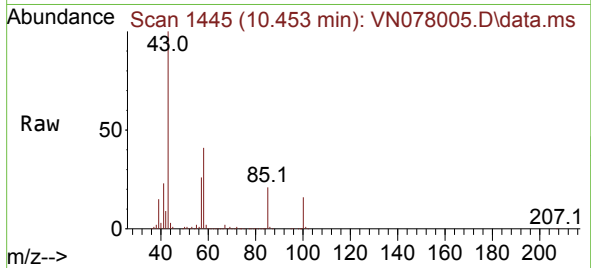




#51
4-Methyl-2-Pentanone
Concen: 264.077 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

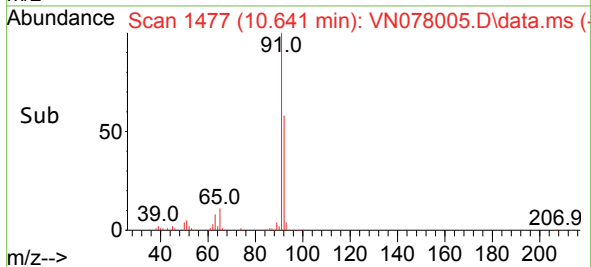
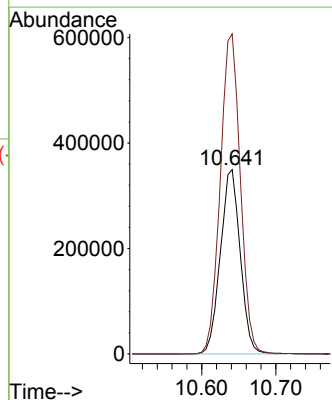
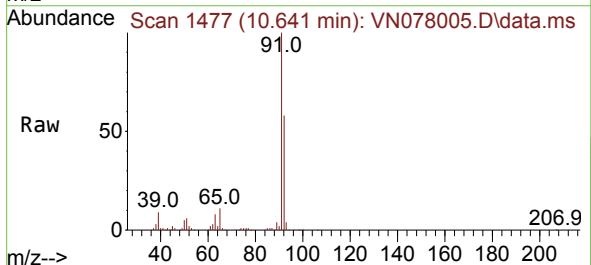
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

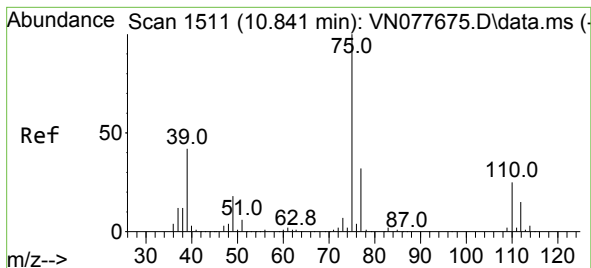
Tgt Ion: 43 Resp: 1434950
Ion Ratio Lower Upper
43 100
58 40.5 36.6 54.8



#52
Toluene
Concen: 56.342 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 92 Resp: 649933
Ion Ratio Lower Upper
92 100
91 175.9 137.4 206.0

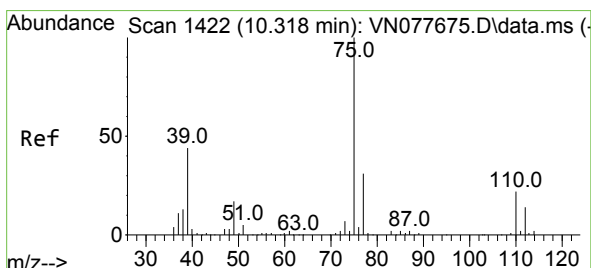
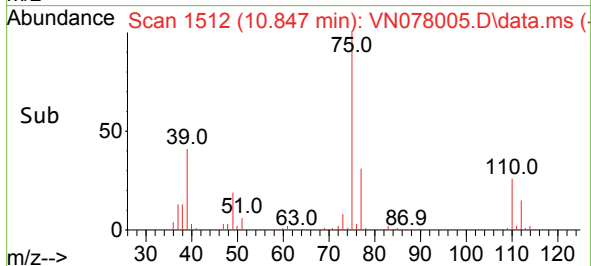
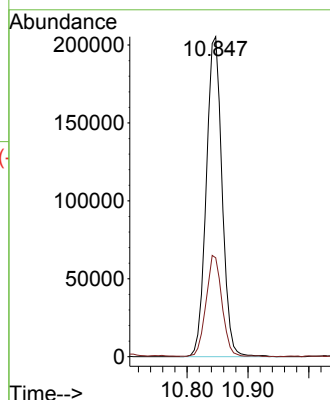
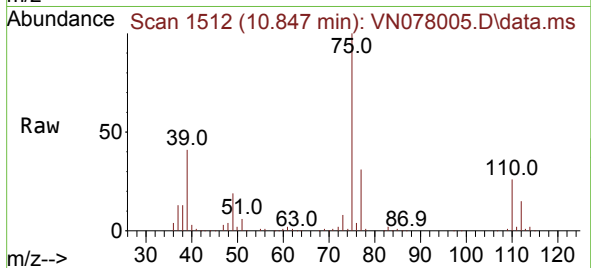




#53
 t-1,3-Dichloropropene
 Concen: 53.935 ug/l
 RT: 10.847 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VN078005.D
 Acq: 31 May 2023 20:10

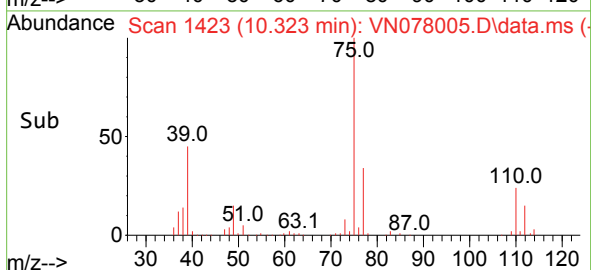
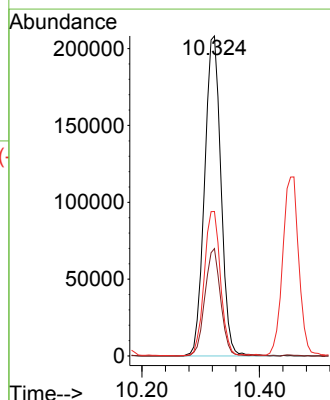
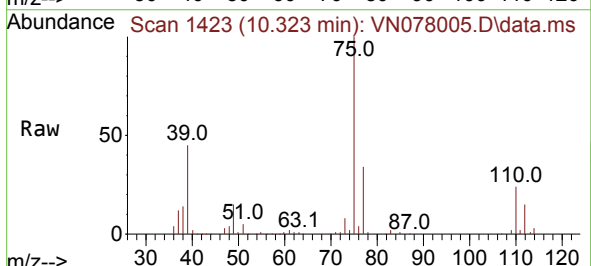
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

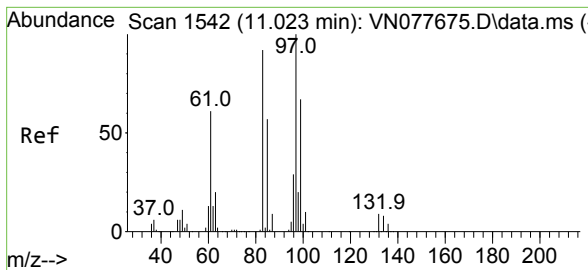
Tgt Ion: 75 Resp: 369818
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 53.214 ug/l
 RT: 10.323 min Scan# 1423
 Delta R.T. 0.005 min
 Lab File: VN078005.D
 Acq: 31 May 2023 20:10

Tgt Ion: 75 Resp: 402094
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.1 39.1
 39 45.1 31.6 47.4

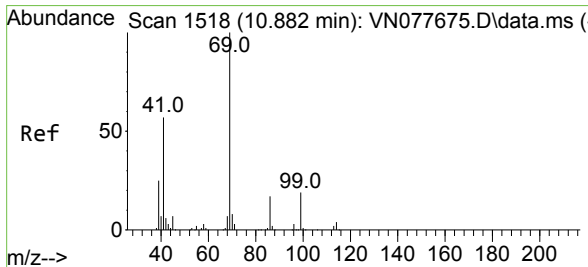
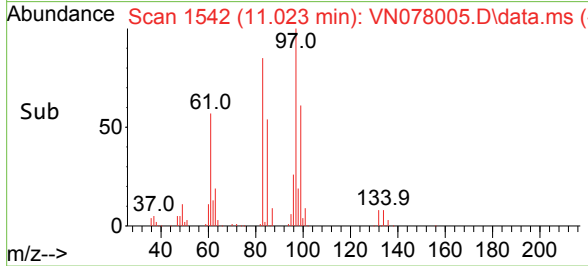
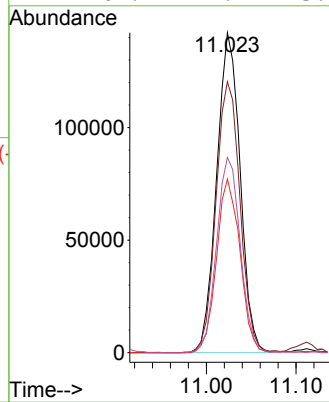
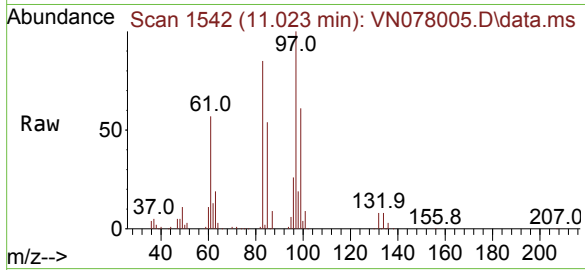




#55
 1,1,2-Trichloroethane
 Concen: 56.391 ug/l
 RT: 11.023 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN078005.D
 Acq: 31 May 2023 20:10

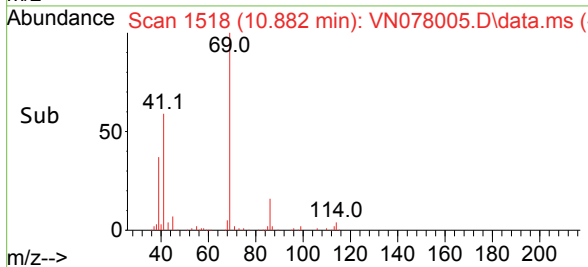
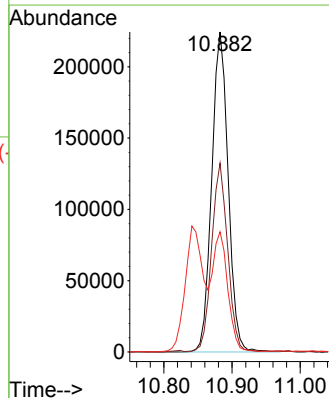
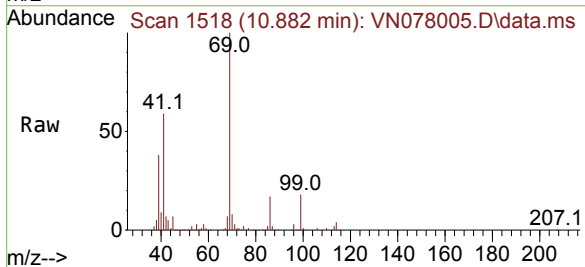
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

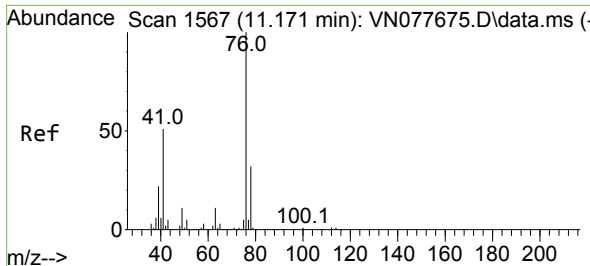
Tgt Ion:	97	Resp:	258286
Ion	Ratio	Lower	Upper
97	100		
83	84.7	65.1	97.7
85	54.2	43.4	65.2
99	61.1	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 54.412 ug/l
 RT: 10.882 min Scan# 1518
 Delta R.T. 0.000 min
 Lab File: VN078005.D
 Acq: 31 May 2023 20:10

Tgt Ion:	69	Resp:	376822
Ion	Ratio	Lower	Upper
69	100		
41	57.2	39.6	59.4
39	34.2	28.6	43.0





#57

1,3-Dichloropropane

Concen: 54.835 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

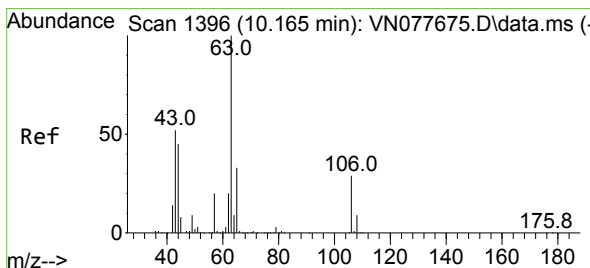
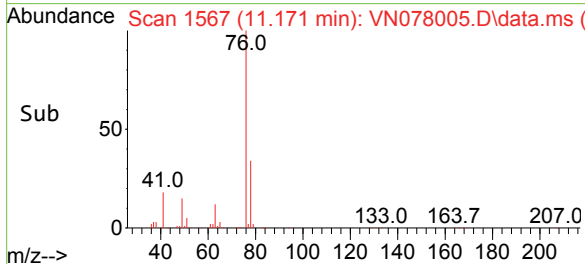
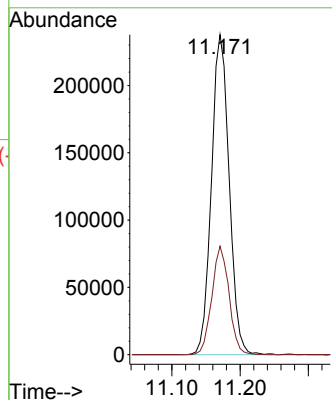
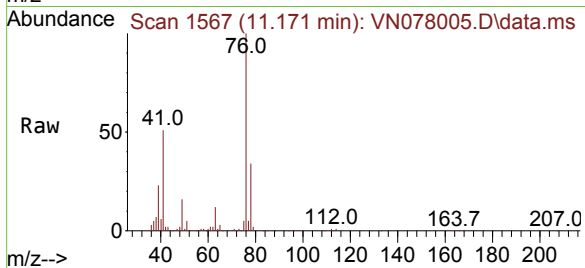
VSTDCCC050EC

Tgt Ion: 76 Resp: 430574

Ion Ratio Lower Upper

76 100

78 32.8 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 215.793 ug/l

RT: 10.171 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VN078005.D

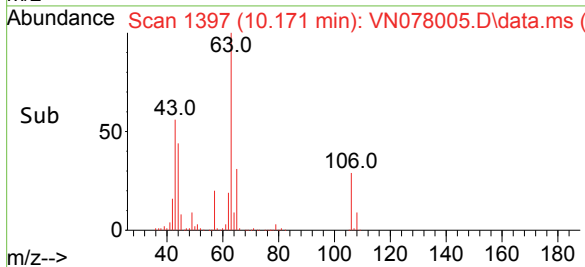
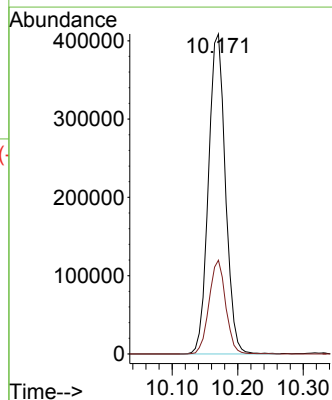
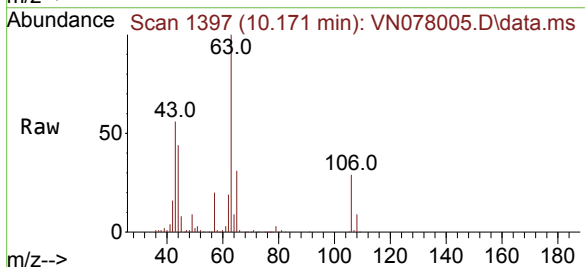
Acq: 31 May 2023 20:10

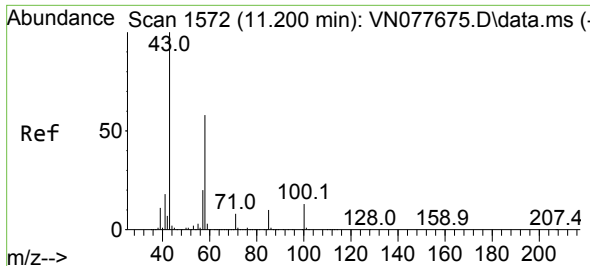
Tgt Ion: 63 Resp: 735211

Ion Ratio Lower Upper

63 100

106 28.8 26.2 39.4

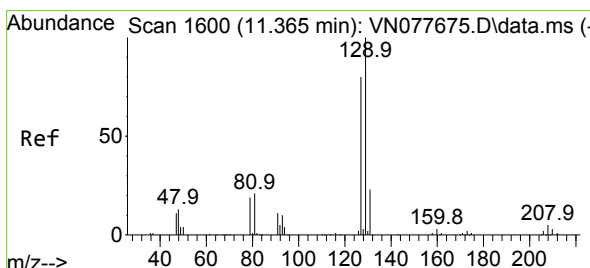
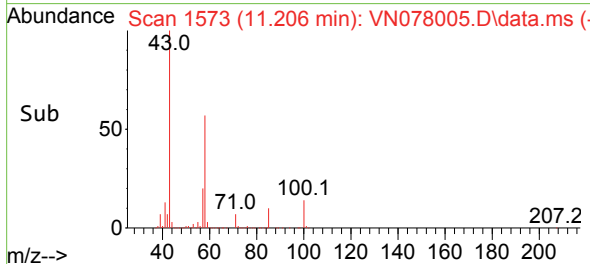
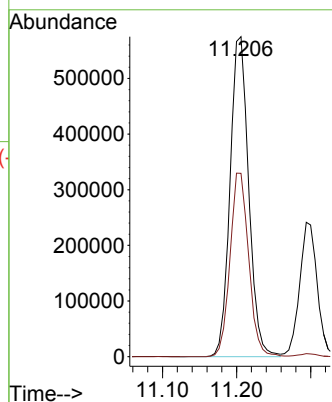
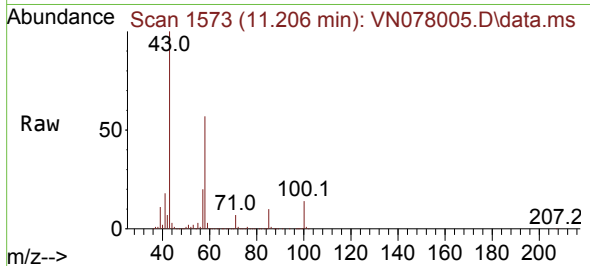




#59
2-Hexanone
Concen: 249.637 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

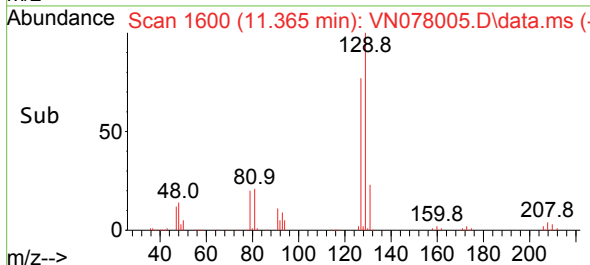
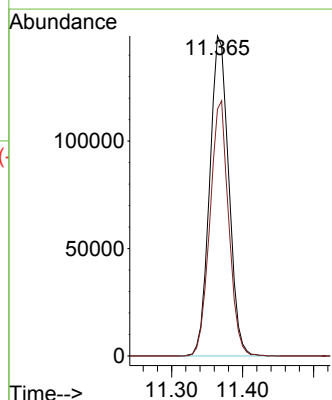
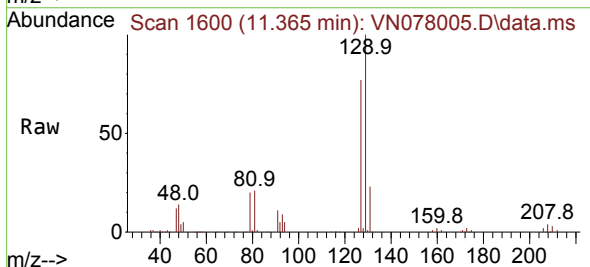
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

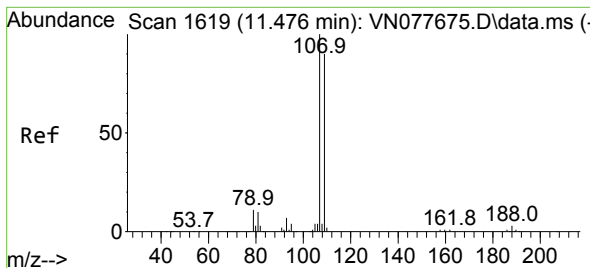
Tgt Ion: 43 Resp: 1003339
Ion Ratio Lower Upper
43 100
58 57.5 31.7 95.1



#60
Dibromochloromethane
Concen: 58.731 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 129 Resp: 277706
Ion Ratio Lower Upper
129 100
127 78.1 38.6 116.0

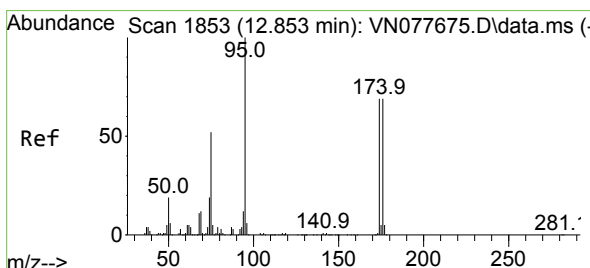
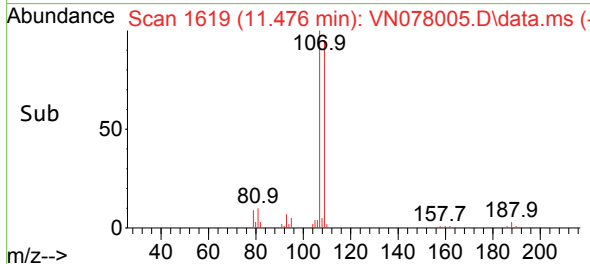
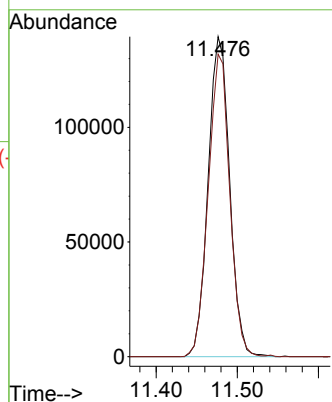
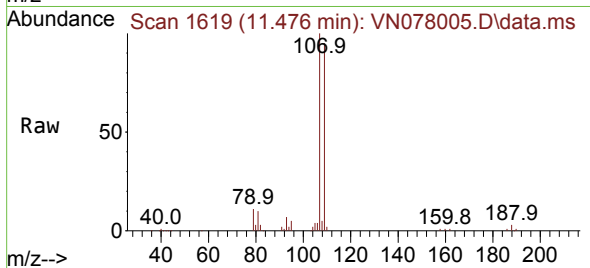




#61
1,2-Dibromoethane
Concen: 56.227 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

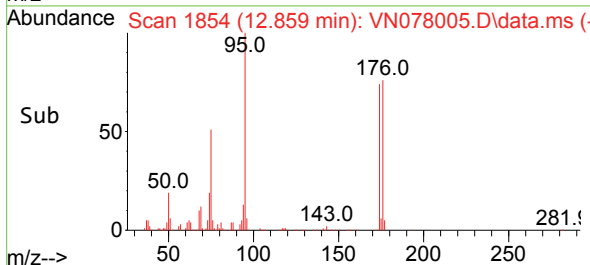
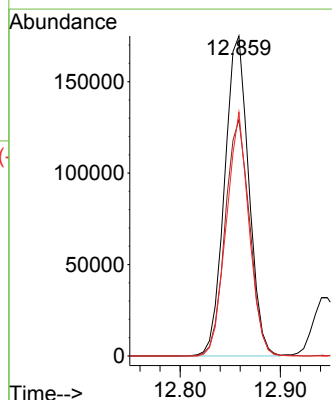
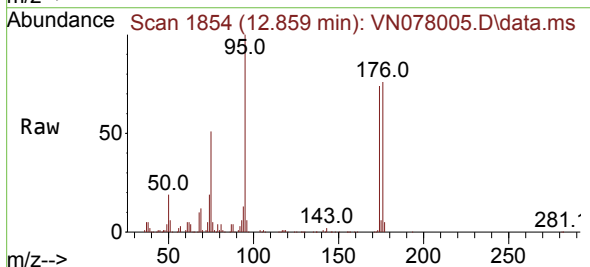
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

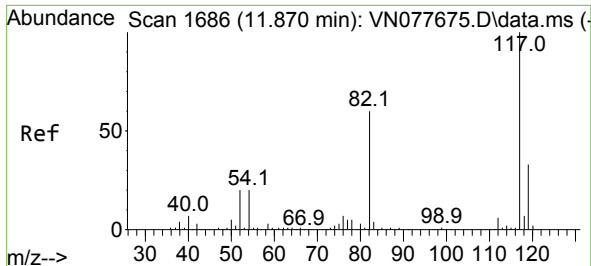
Tgt Ion:107 Resp: 256923
Ion Ratio Lower Upper
107 100
109 94.6 76.6 114.8



#62
4-Bromofluorobenzene
Concen: 50.174 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 95 Resp: 292810
Ion Ratio Lower Upper
95 100
174 75.0 0.0 143.8
176 71.6 0.0 135.8

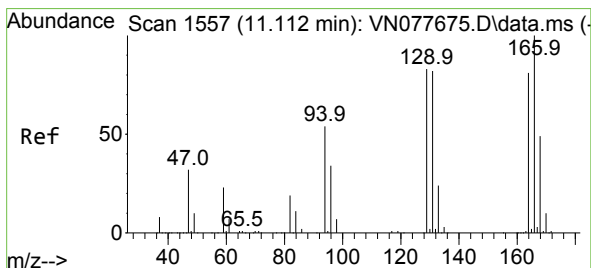
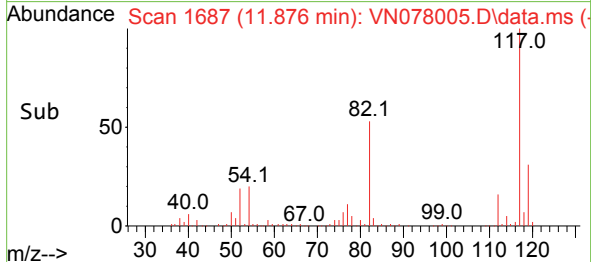
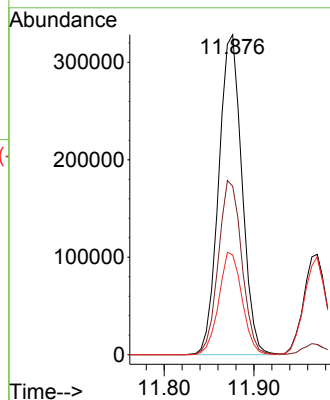
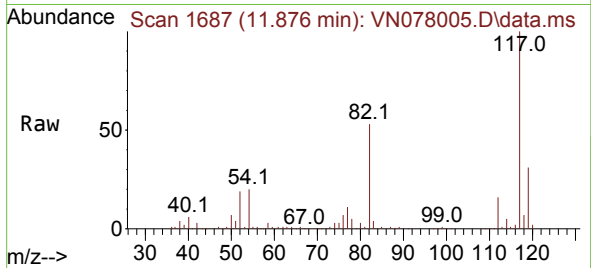




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

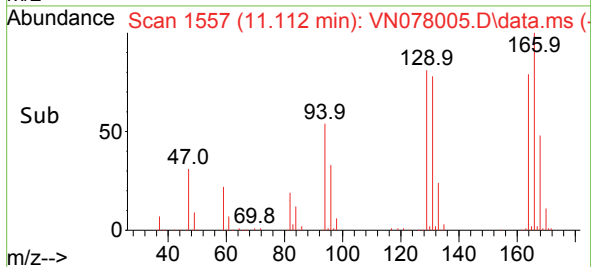
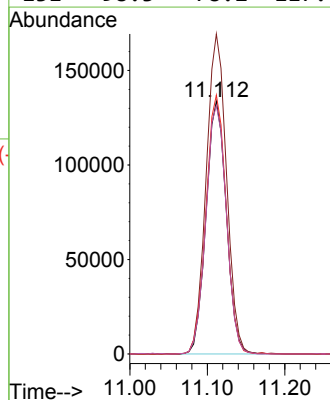
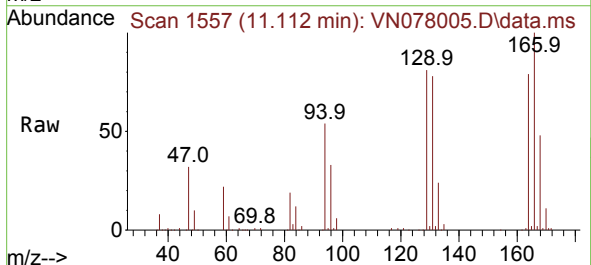
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

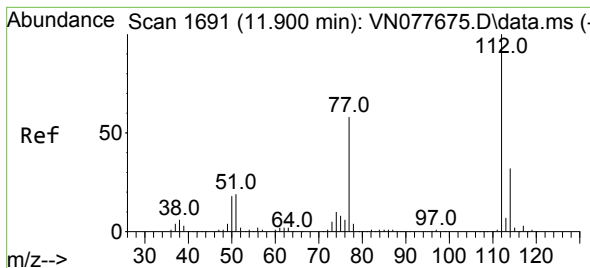
Tgt Ion:117 Resp: 589946
Ion Ratio Lower Upper
117 100
82 52.7 44.0 66.0
119 31.2 25.6 38.4



#64
Tetrachloroethene
Concen: 58.826 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion:164 Resp: 242694
Ion Ratio Lower Upper
164 100
166 126.7 101.4 152.0
129 102.4 82.4 123.6
131 98.3 78.2 117.4

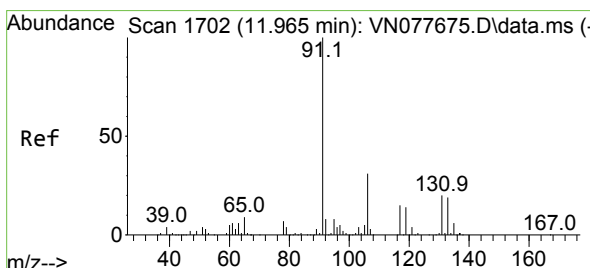
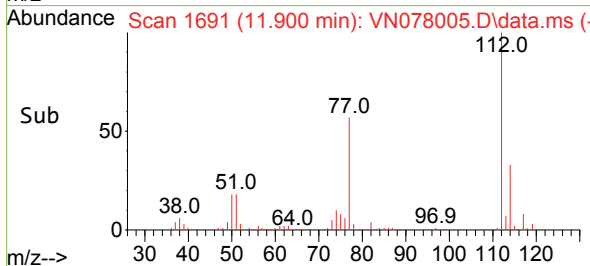
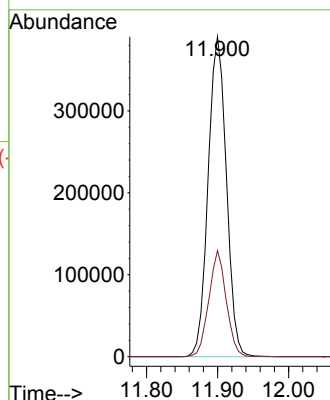
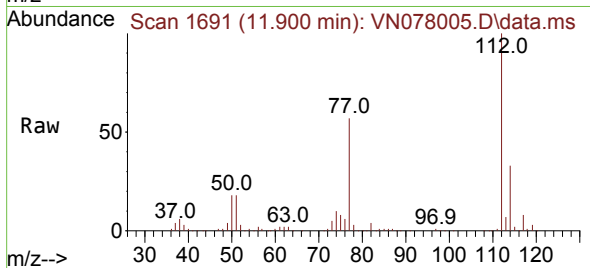




#65
Chlorobenzene
Concen: 54.512 ug/l
RT: 11.900 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

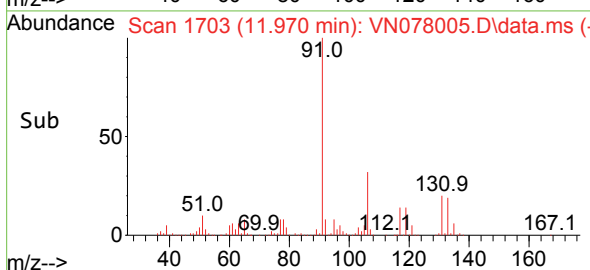
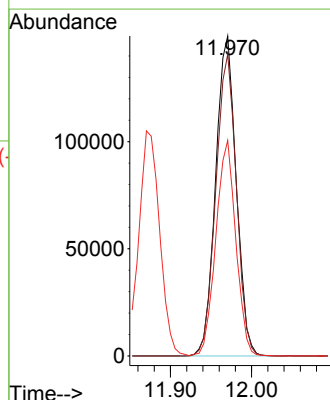
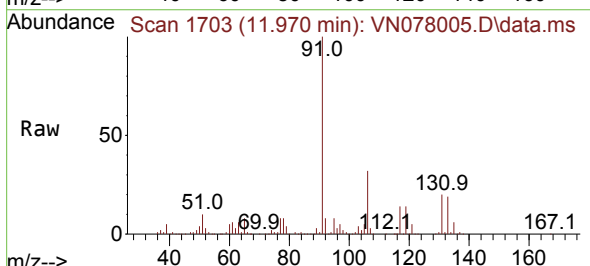
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

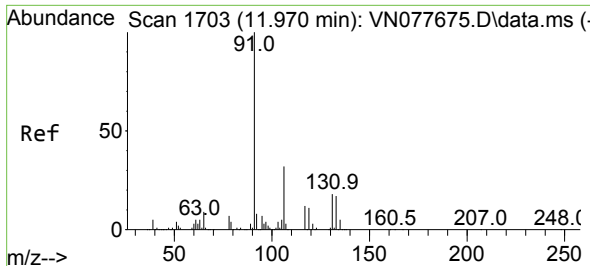
Tgt Ion:112 Resp: 697174
Ion Ratio Lower Upper
112 100
114 33.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 59.456 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.005 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion:131 Resp: 263107
Ion Ratio Lower Upper
131 100
133 94.2 46.4 139.1
119 65.4 34.1 102.2

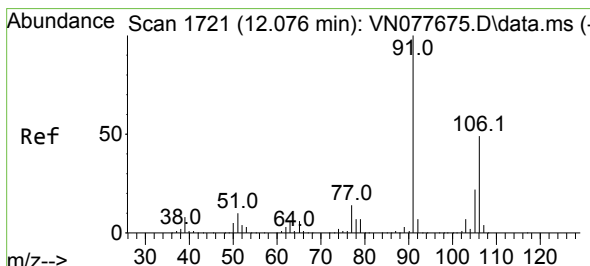
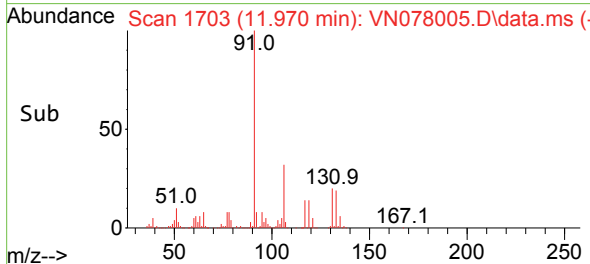
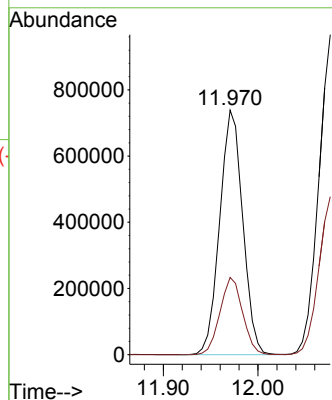
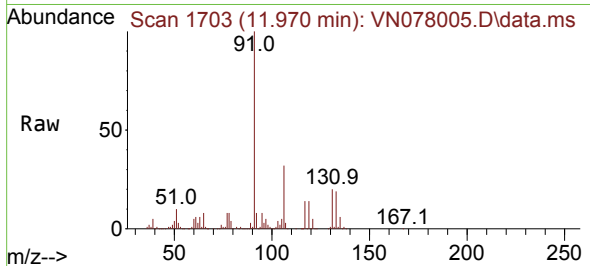




#67
Ethyl Benzene
Concen: 54.447 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

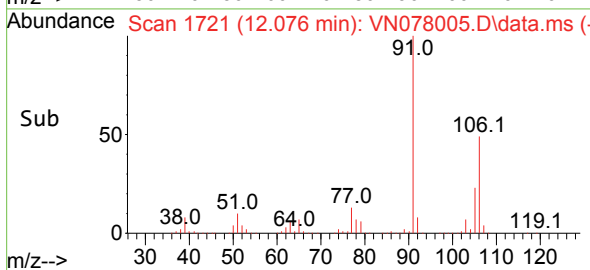
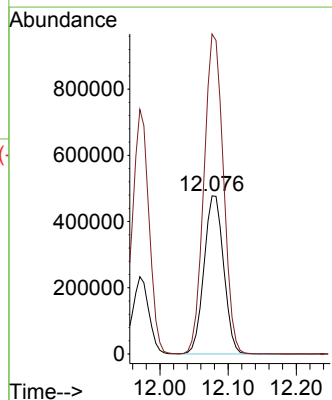
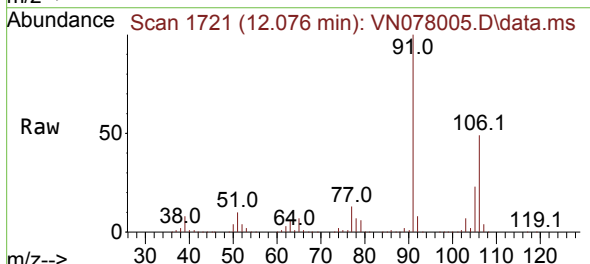
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

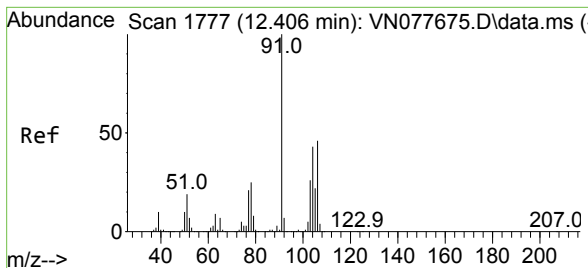
Tgt Ion: 91 Resp: 1247886
Ion Ratio Lower Upper
91 100
106 31.6 25.6 38.4



#68
m/p-Xylenes
Concen: 110.131 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion:106 Resp: 956409
Ion Ratio Lower Upper
106 100
91 200.4 159.6 239.4

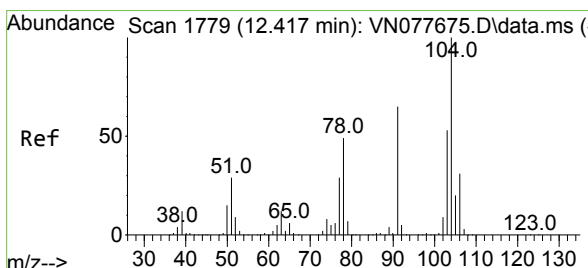
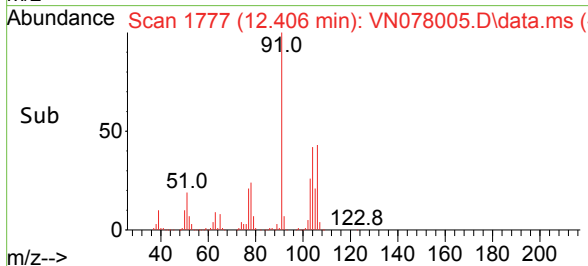
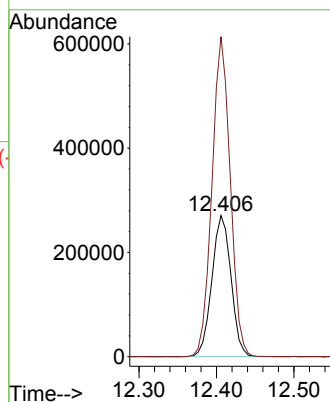
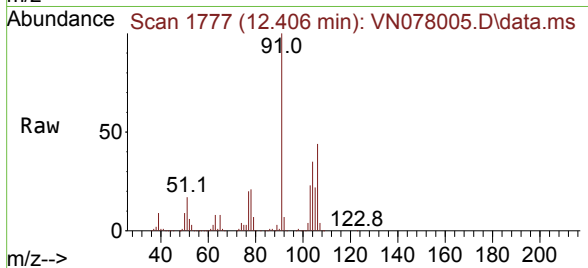




#69
o-Xylene
Concen: 54.259 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

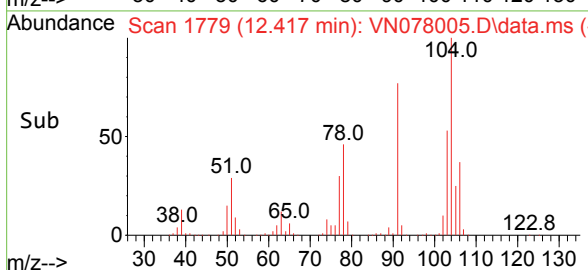
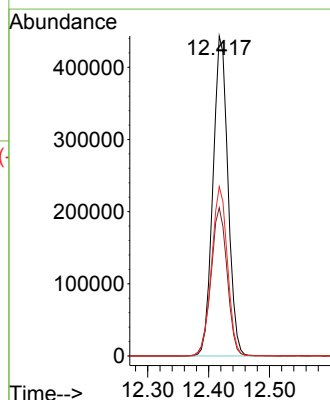
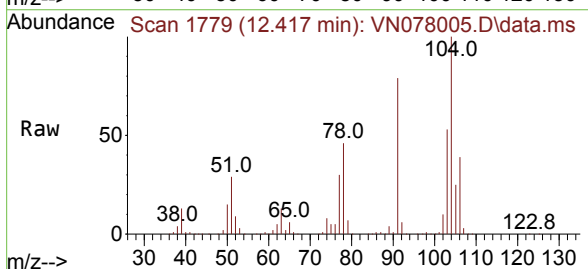
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

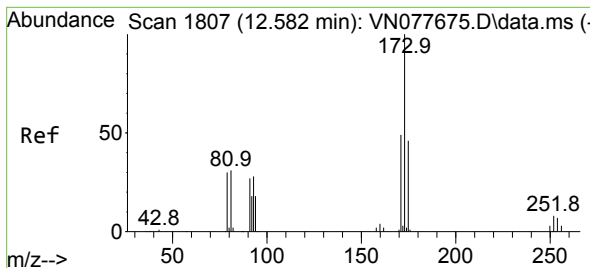
Tgt Ion:106 Resp: 463399
Ion Ratio Lower Upper
106 100
91 217.5 105.2 315.5



#70
Styrene
Concen: 56.079 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion:104 Resp: 760833
Ion Ratio Lower Upper
104 100
78 49.8 39.5 59.3
103 55.9 43.2 64.8





#71

Bromoform

Concen: 59.202 ug/l

RT: 12.588 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

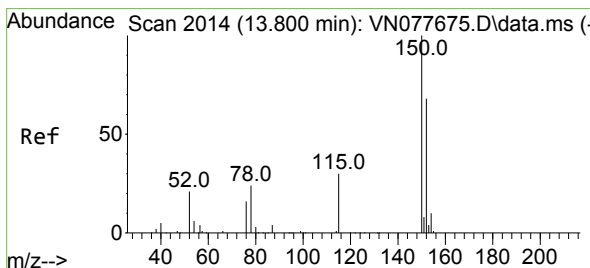
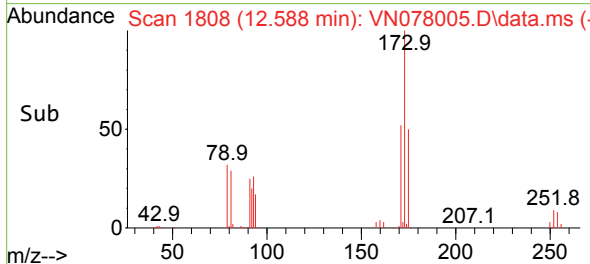
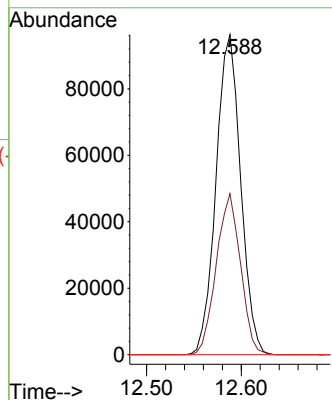
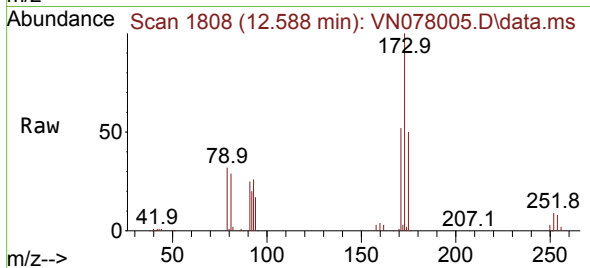
Tgt Ion:173 Resp: 174281

Ion Ratio Lower Upper

173 100

175 49.5 24.3 73.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

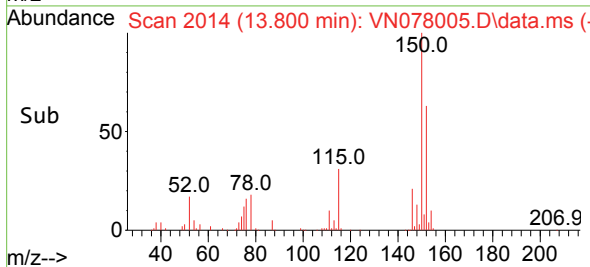
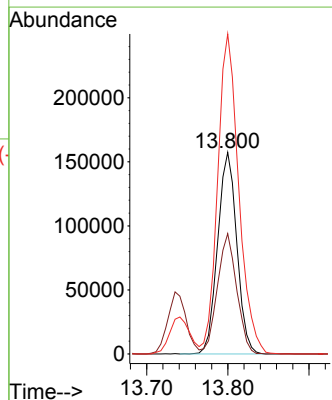
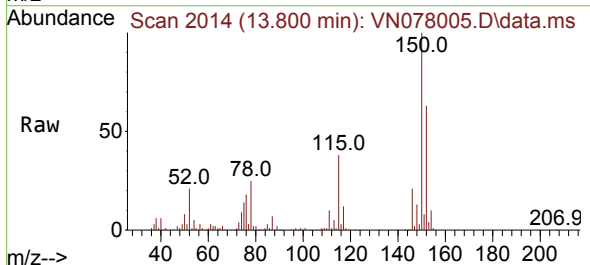
Tgt Ion:152 Resp: 258026

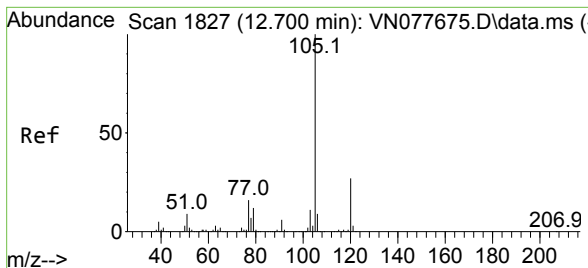
Ion Ratio Lower Upper

152 100

115 60.2 32.3 96.8

150 174.5 0.0 355.8





#73

Isopropylbenzene

Concen: 54.197 ug/l

RT: 12.706 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

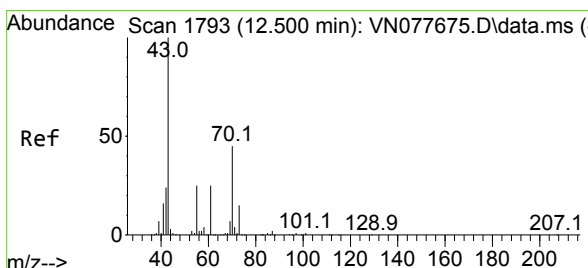
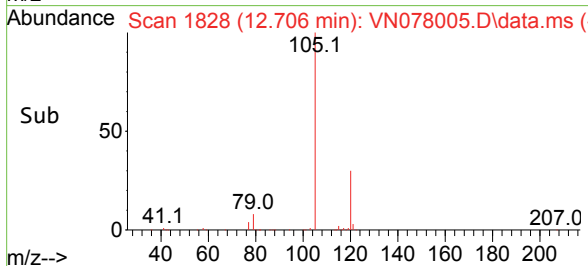
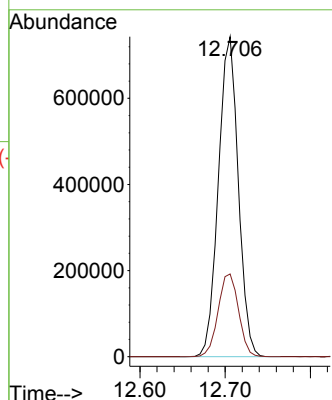
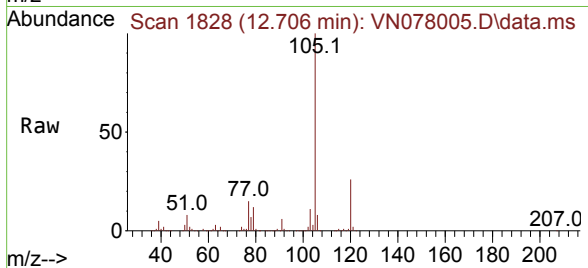
VSTDCCC050EC

Tgt Ion:105 Resp: 1205453

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.1



#74

N-ethyl acetate

Concen: 46.295 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Tgt Ion: 43 Resp: 380601

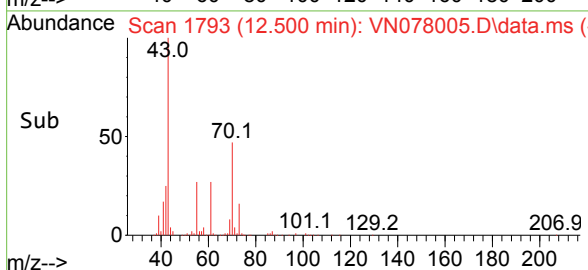
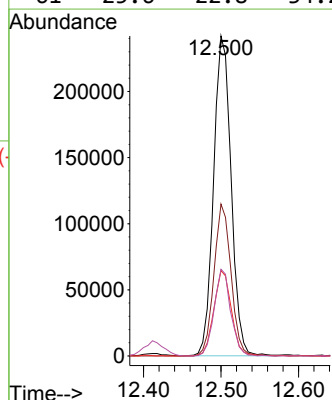
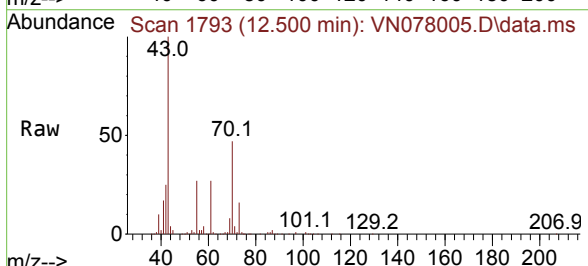
Ion Ratio Lower Upper

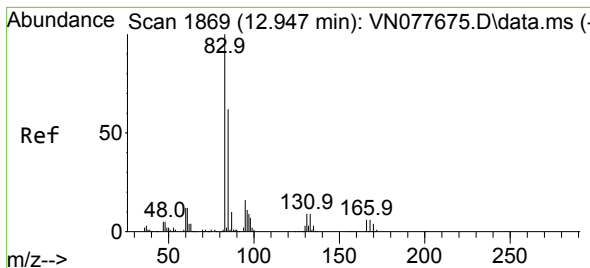
43 100

70 46.2 43.4 65.2

55 26.9 21.4 32.0

61 25.6 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.557 ug/l

RT: 12.947 min Scan# 1869

Delta R.T. -0.000 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

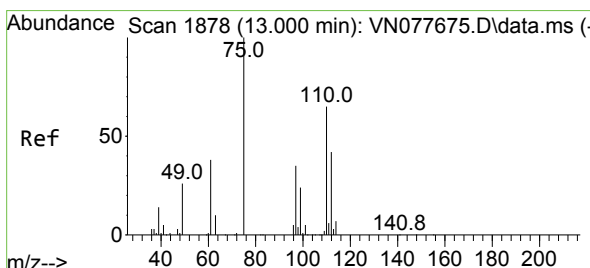
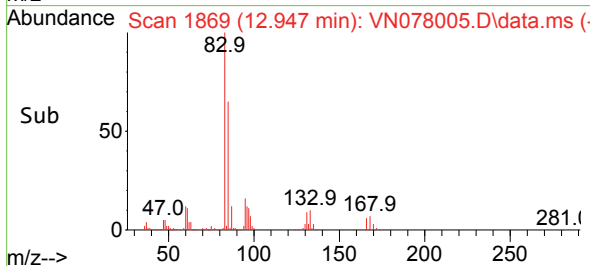
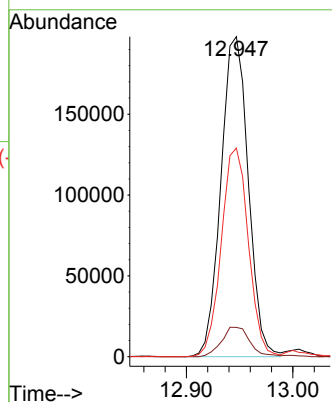
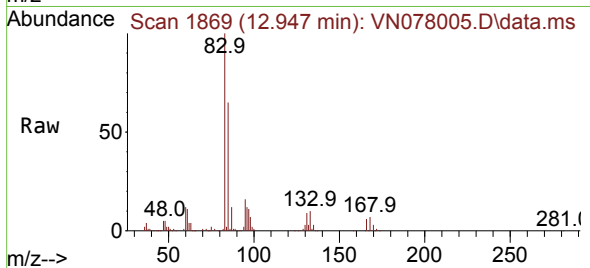
Tgt Ion: 83 Resp: 352779

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

85 64.4 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 66.231 ug/l

RT: 13.000 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VN078005.D

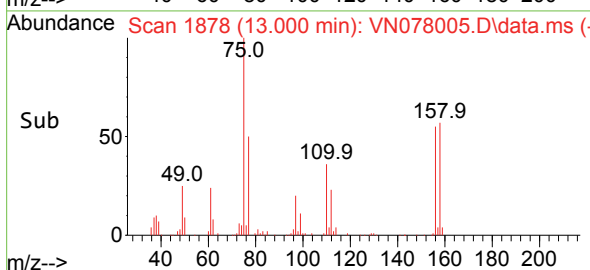
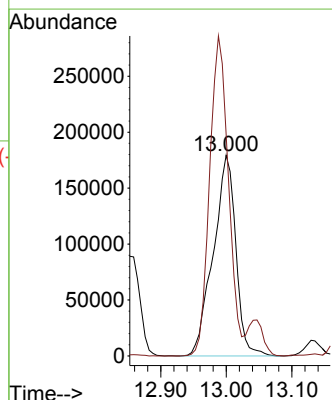
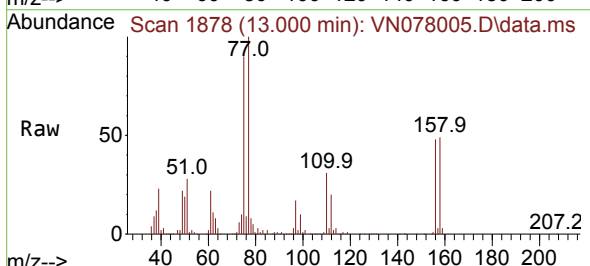
Acq: 31 May 2023 20:10

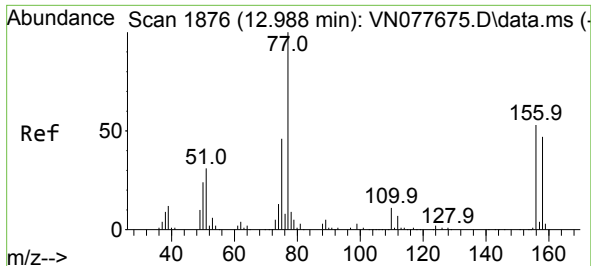
Tgt Ion: 75 Resp: 427975

Ion Ratio Lower Upper

75 100

77 132.8 84.5 253.5

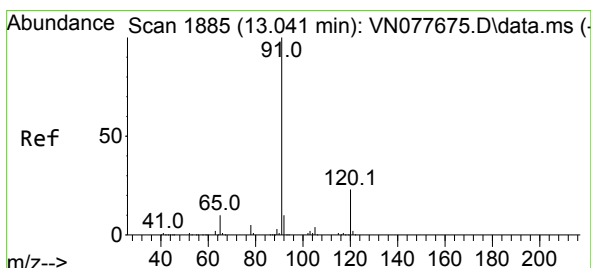
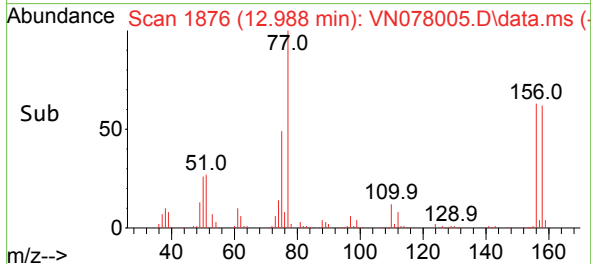
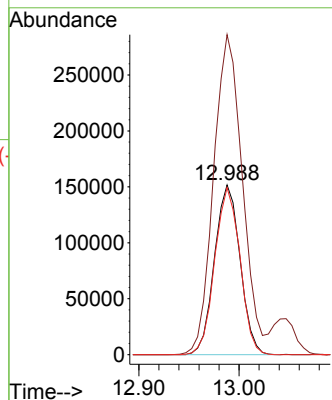
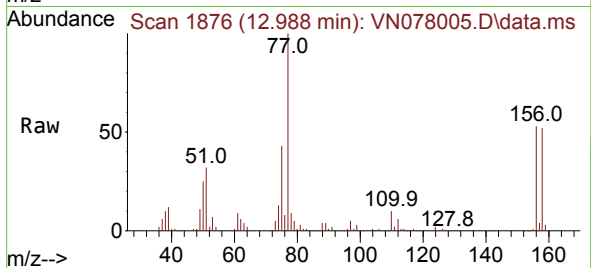




#77
Bromobenzene
Concen: 52.978 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

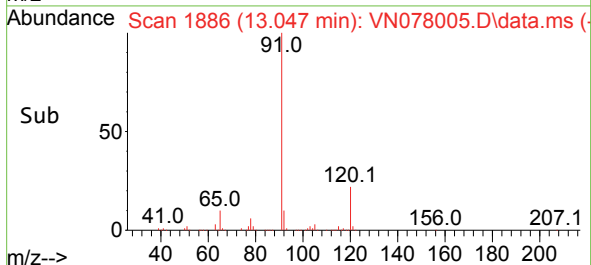
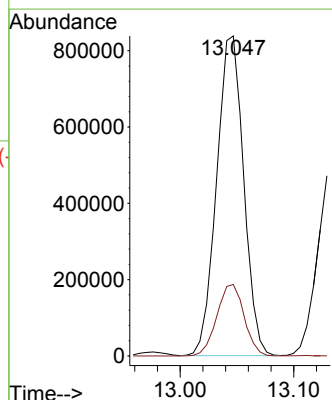
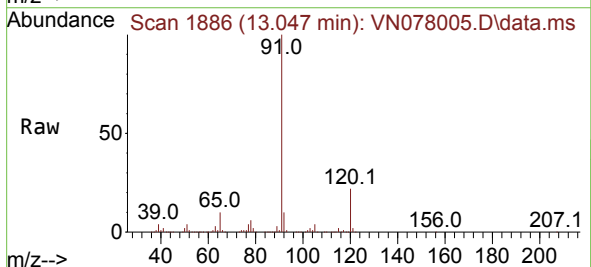
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

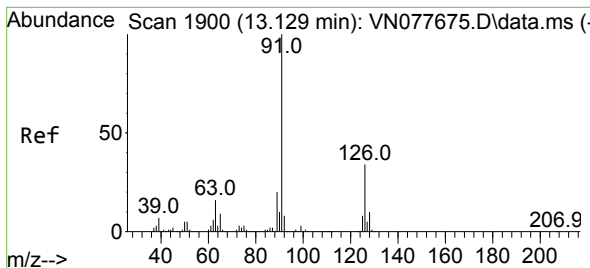
Tgt Ion:156 Resp: 268905
Ion Ratio Lower Upper
156 100
77 211.3 107.7 323.3
158 97.1 48.4 145.3



#78
n-propylbenzene
Concen: 52.879 ug/l
RT: 13.047 min Scan# 1886
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 91 Resp: 1386570
Ion Ratio Lower Upper
91 100
120 22.6 11.5 34.4





#79

2-Chlorotoluene

Concen: 53.600 ug/l

RT: 13.135 min Scan# 1900

Delta R.T. 0.006 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

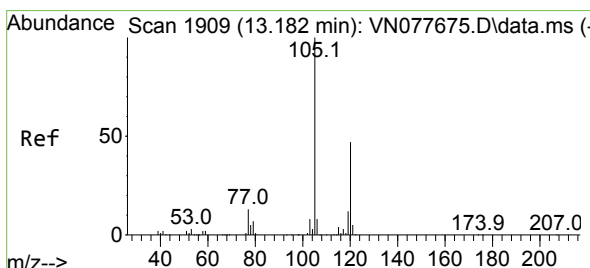
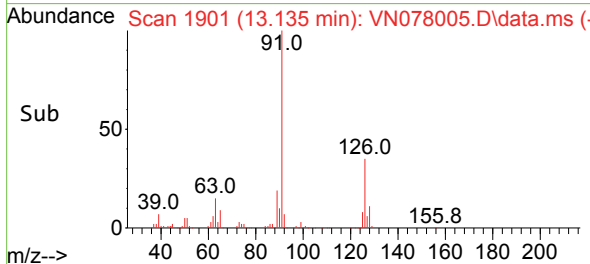
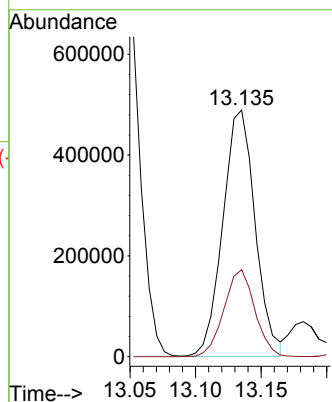
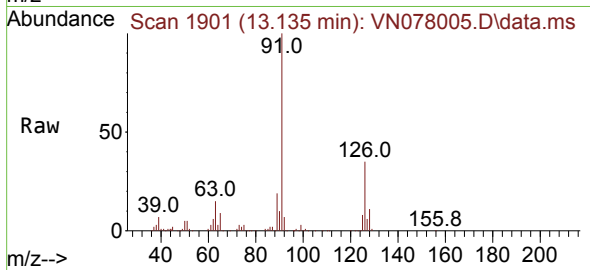
VSTDCCC050EC

Tgt Ion: 91 Resp: 838686

Ion Ratio Lower Upper

91 100

126 33.8 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 52.352 ug/l

RT: 13.182 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VN078005.D

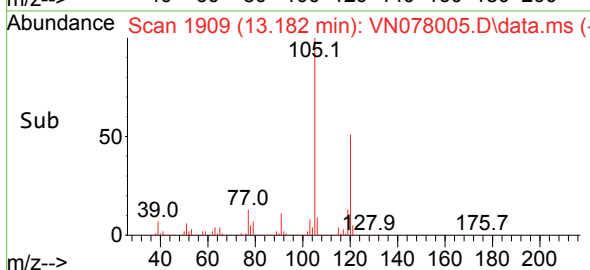
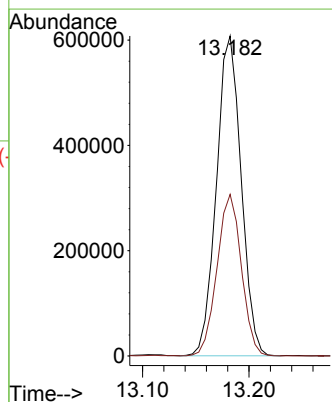
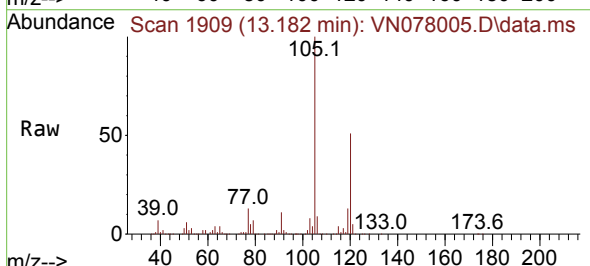
Acq: 31 May 2023 20:10

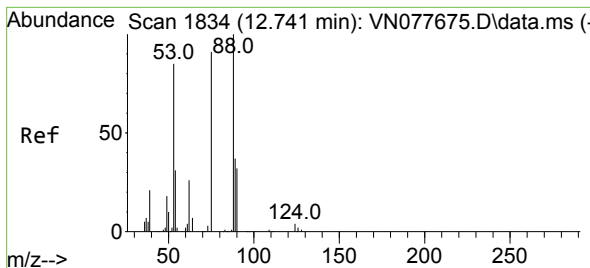
Tgt Ion: 105 Resp: 978649

Ion Ratio Lower Upper

105 100

120 49.8 24.1 72.3

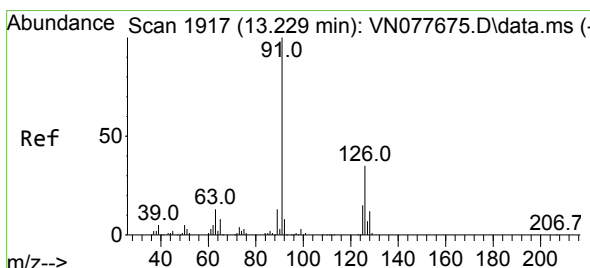
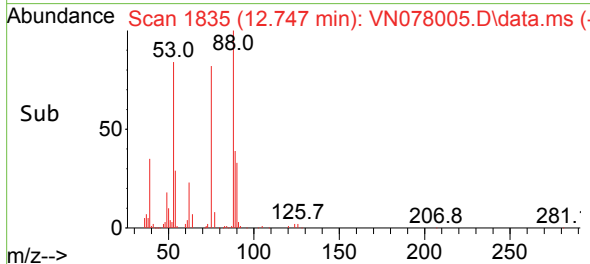
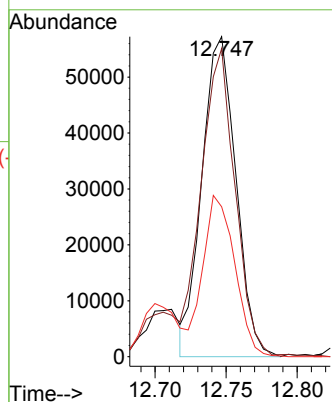
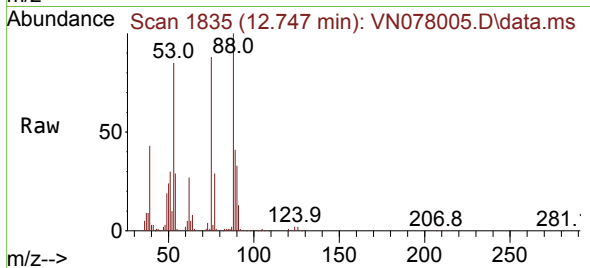




#81
trans-1,4-Dichloro-2-butene
Concen: 47.062 ug/l
RT: 12.747 min Scan# 1835
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

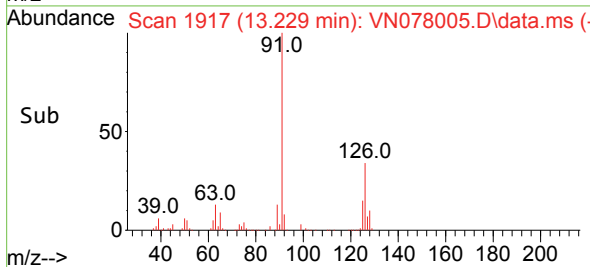
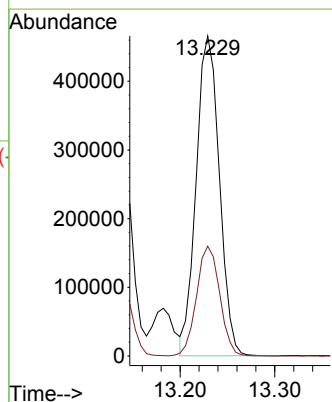
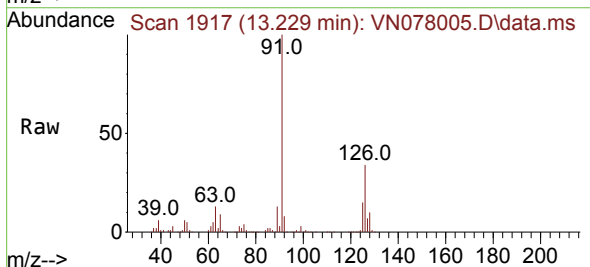
Instrument : MSVOA_N
ClientSampleId : VSTDCCC050EC

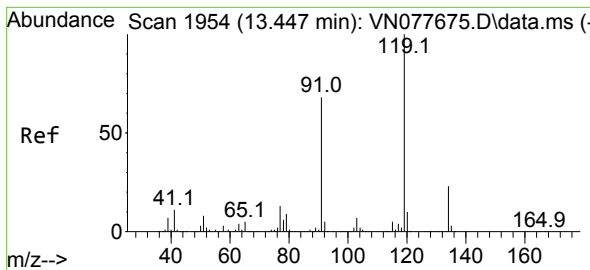
Tgt Ion: 75 Resp: 95137
Ion Ratio Lower Upper
75 100
53 111.6 67.4 101.2#
89 46.9 38.8 58.2



#82
4-Chlorotoluene
Concen: 50.815 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion: 91 Resp: 791101
Ion Ratio Lower Upper
91 100
126 34.4 16.7 50.0

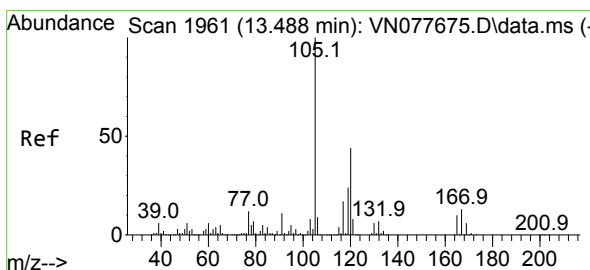
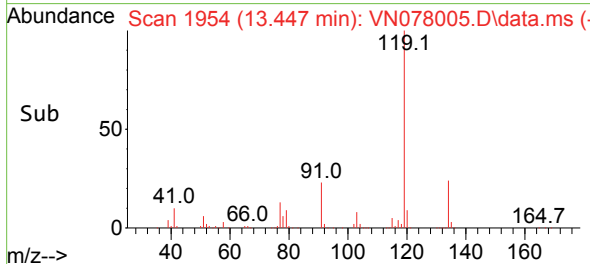
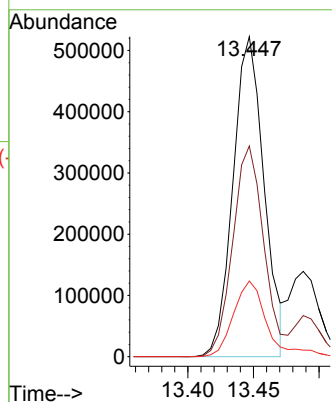
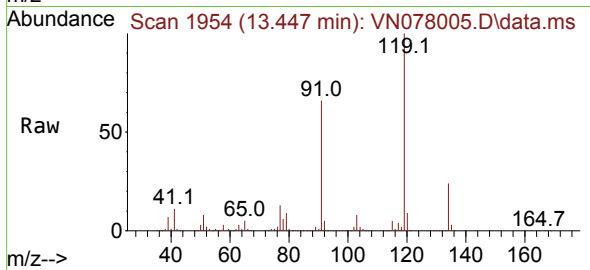




#83
 tert-Butylbenzene
 Concen: 52.708 ug/l
 RT: 13.447 min Scan# 1954
 Delta R.T. -0.000 min
 Lab File: VN078005.D
 Acq: 31 May 2023 20:10

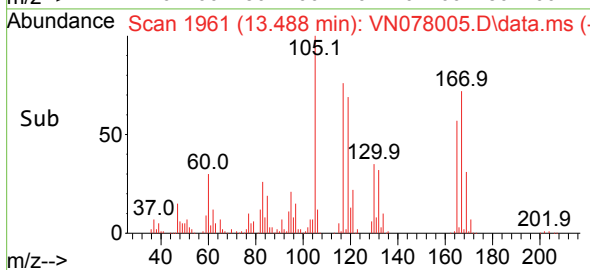
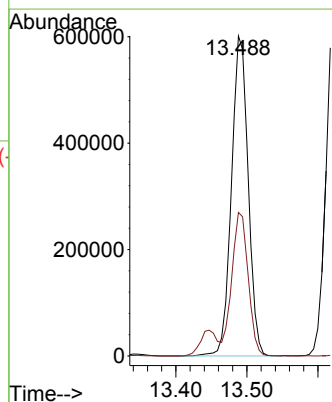
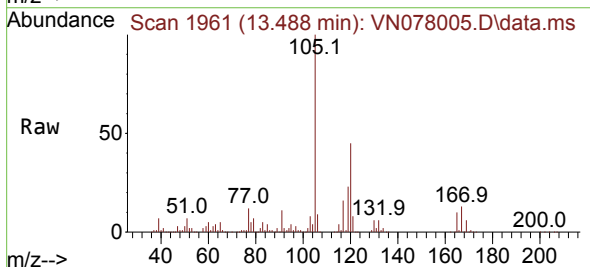
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

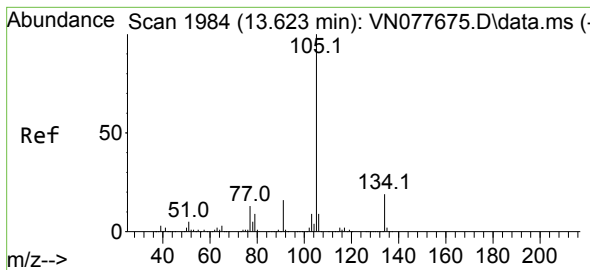
Tgt Ion:119 Resp: 860164
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.9 101.7
 134 25.5 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 53.441 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VN078005.D
 Acq: 31 May 2023 20:10

Tgt Ion:105 Resp: 982492
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.0 66.0





#85

sec-Butylbenzene

Concen: 50.328 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

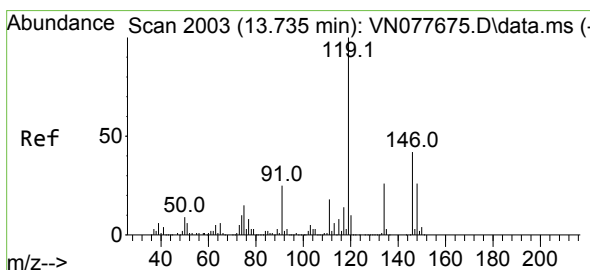
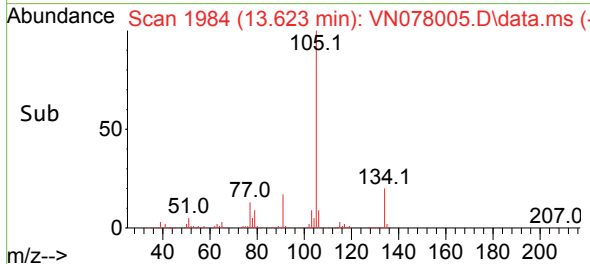
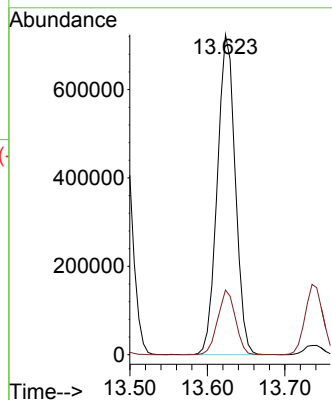
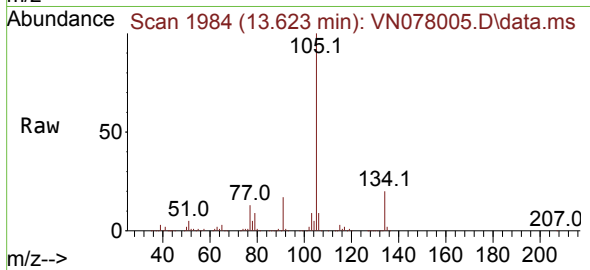
VSTDCCC050EC

Tgt Ion:105 Resp: 1167232

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.3



#86

p-Isopropyltoluene

Concen: 52.524 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

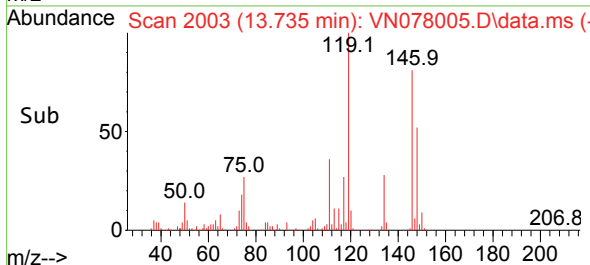
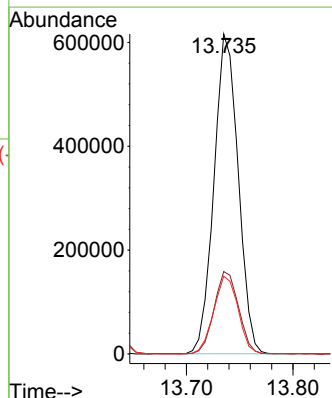
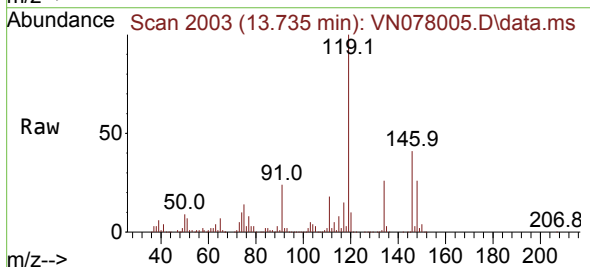
Tgt Ion:119 Resp: 971168

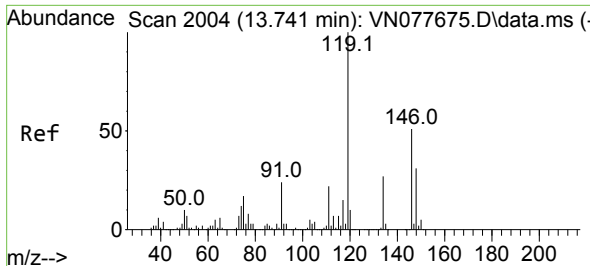
Ion Ratio Lower Upper

119 100

134 26.1 12.6 37.8

91 24.5 12.4 37.2

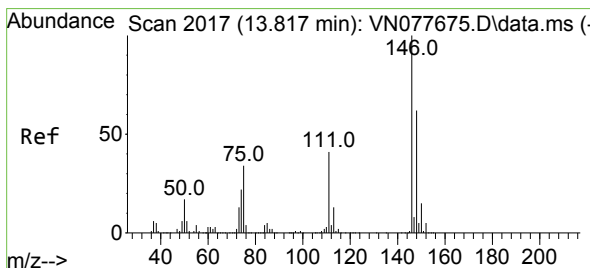
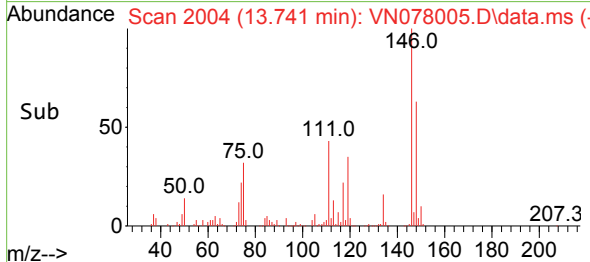
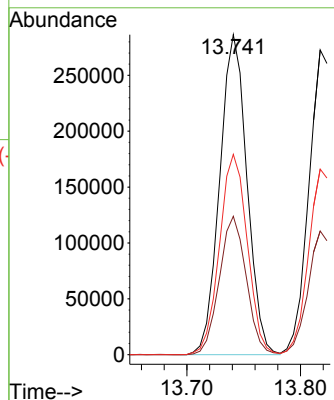
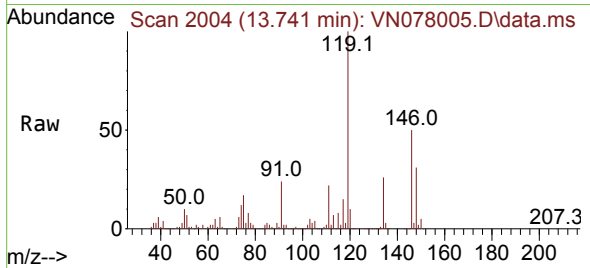




#87
 1,3-Dichlorobenzene
 Concen: 50.977 ug/l
 RT: 13.741 min Scan# 2004
 Delta R.T. -0.000 min
 Lab File: VN078005.D
 Acq: 31 May 2023 20:10

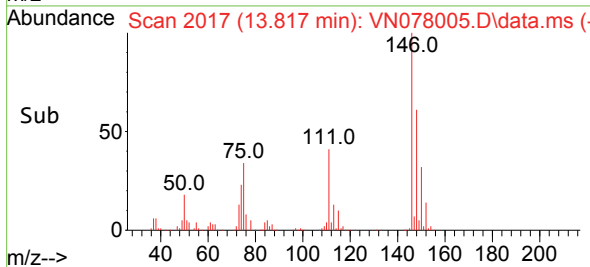
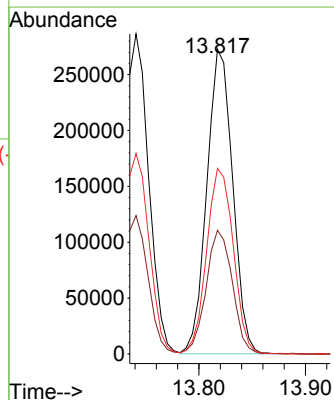
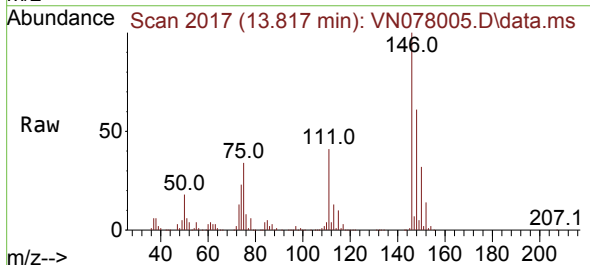
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

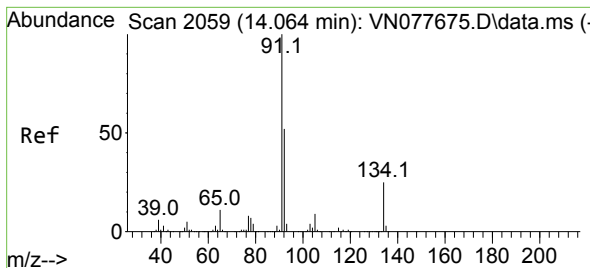
Tgt Ion:146 Resp: 478509
 Ion Ratio Lower Upper
 146 100
 111 42.7 22.1 66.3
 148 63.7 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 49.326 ug/l
 RT: 13.817 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: VN078005.D
 Acq: 31 May 2023 20:10

Tgt Ion:146 Resp: 459462
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.6 61.8
 148 63.0 31.6 94.8





#89

n-Butylbenzene

Concen: 45.005 ug/l

RT: 14.064 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

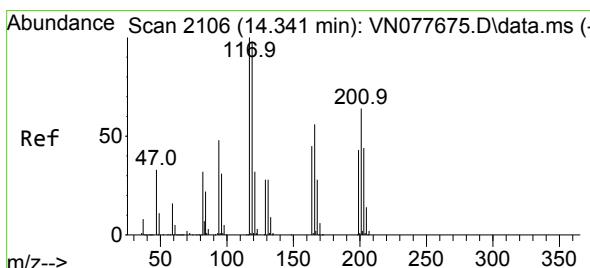
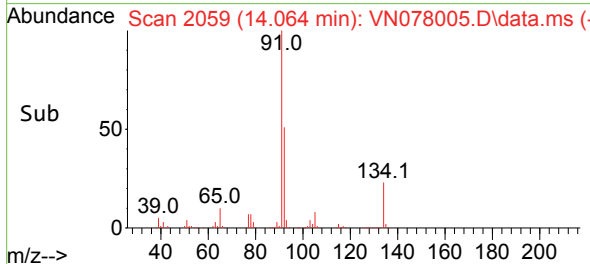
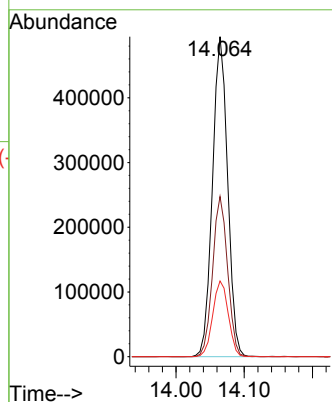
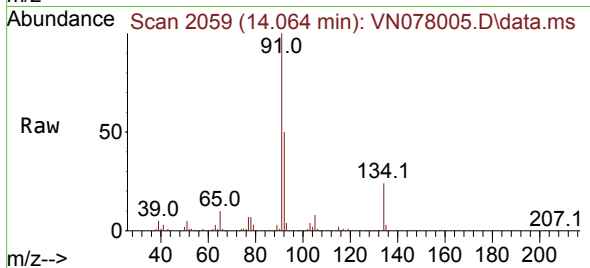
Tgt Ion: 91 Resp: 765385

Ion Ratio Lower Upper

91 100

92 49.5 26.4 79.0

134 24.3 12.6 37.6



#90

Hexachloroethane

Concen: 56.457 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. -0.000 min

Lab File: VN078005.D

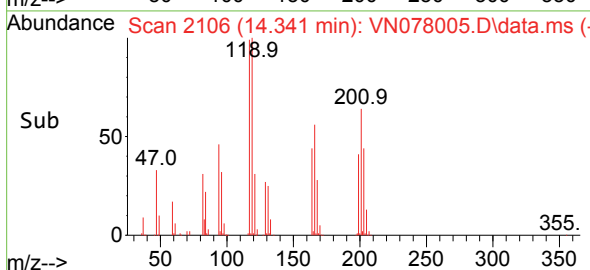
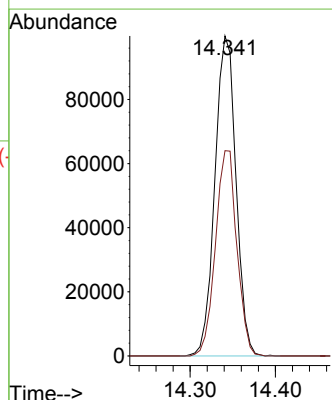
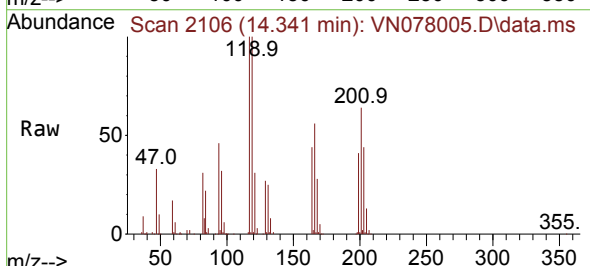
Acq: 31 May 2023 20:10

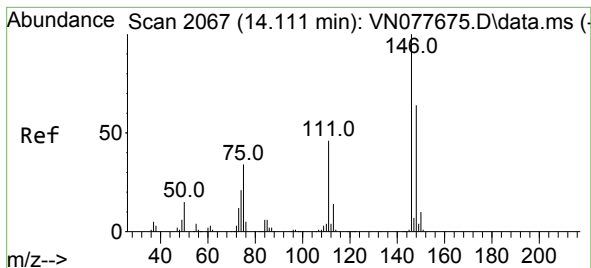
Tgt Ion: 117 Resp: 171487

Ion Ratio Lower Upper

117 100

201 65.1 29.3 88.0





#91

1,2-Dichlorobenzene

Concen: 53.910 ug/l

RT: 14.111 min Scan# 2067

Delta R.T. 0.000 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

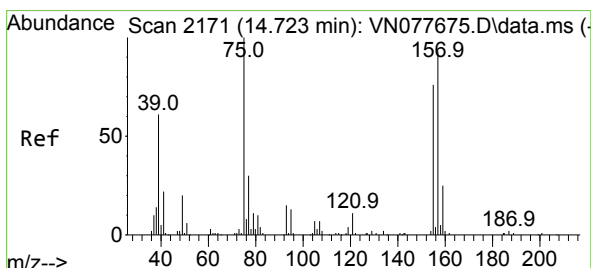
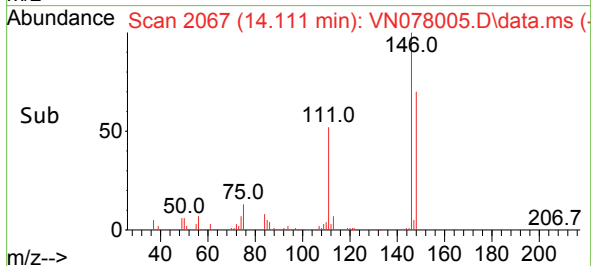
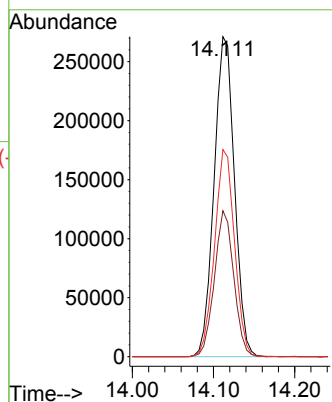
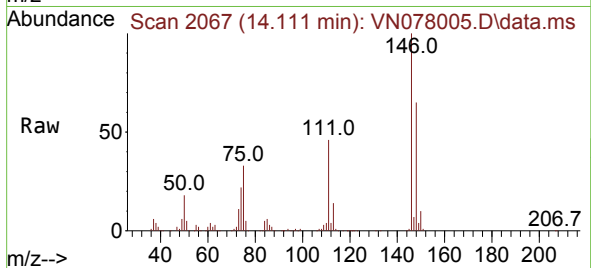
Tgt Ion:146 Resp: 472744

Ion Ratio Lower Upper

146 100

111 43.3 22.0 66.0

148 63.6 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.555 ug/l

RT: 14.729 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VN078005.D

Acq: 31 May 2023 20:10

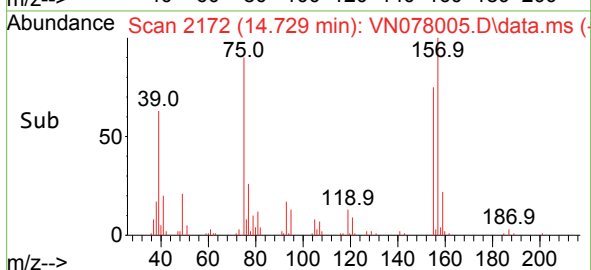
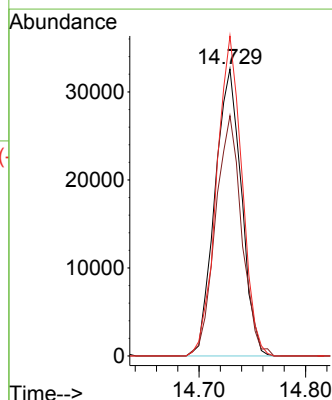
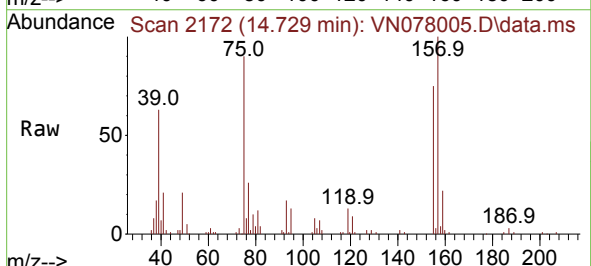
Tgt Ion: 75 Resp: 56374

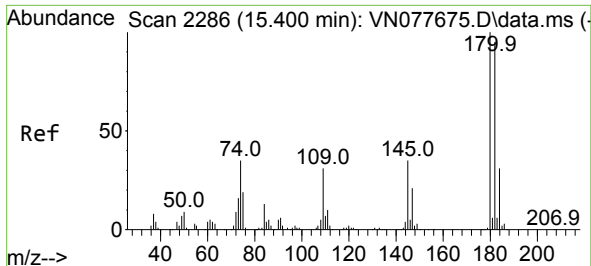
Ion Ratio Lower Upper

75 100

155 82.7 39.1 117.2

157 106.6 50.3 150.9

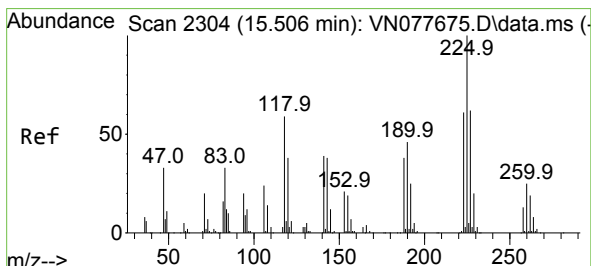
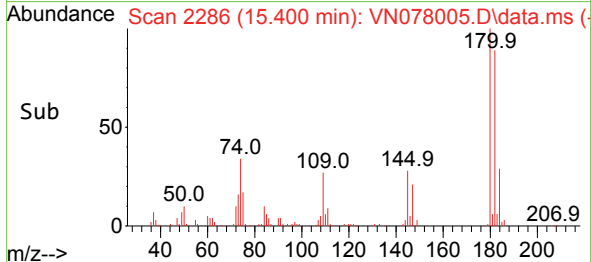
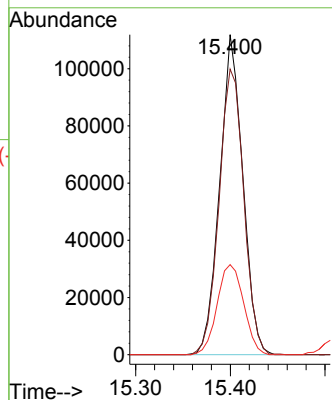
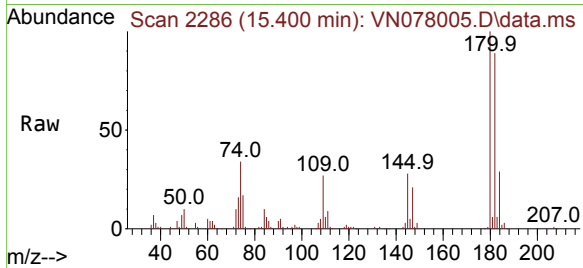




#93
1,2,4-Trichlorobenzene
Concen: 37.029 ug/l
RT: 15.400 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

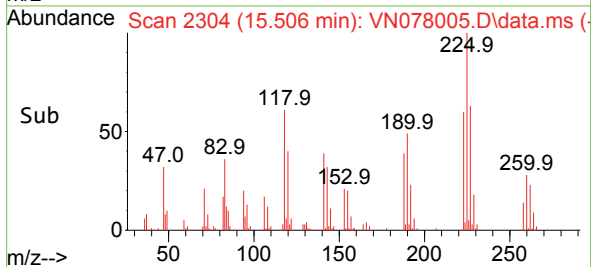
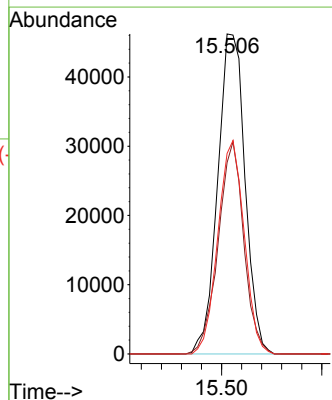
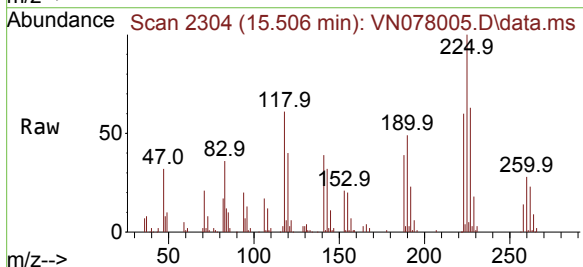
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

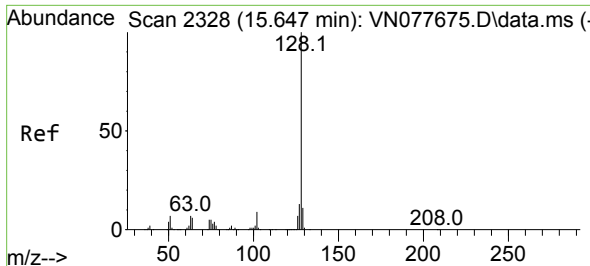
Tgt Ion:180 Resp: 189757
Ion Ratio Lower Upper
180 100
182 95.5 46.1 138.2
145 32.2 16.6 49.8



#94
Hexachlorobutadiene
Concen: 41.124 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion:225 Resp: 87500
Ion Ratio Lower Upper
225 100
223 62.0 31.3 93.8
227 64.1 31.9 95.9

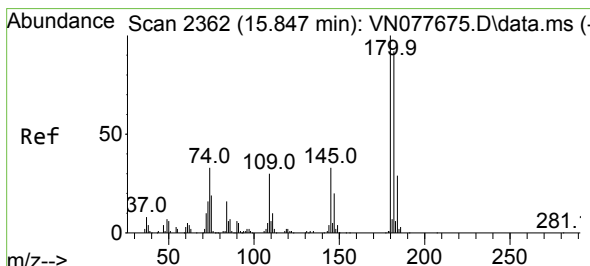
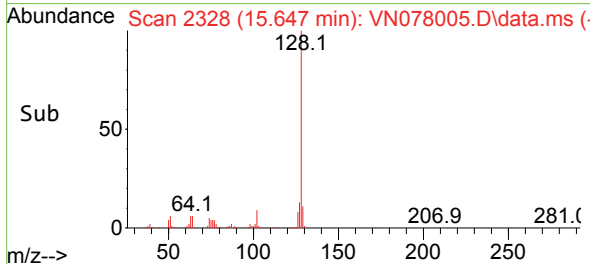
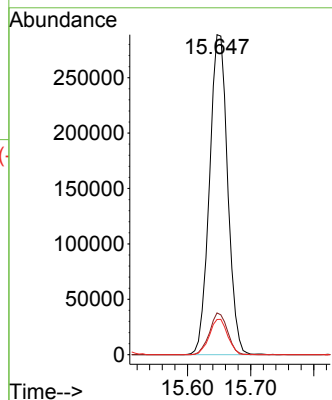
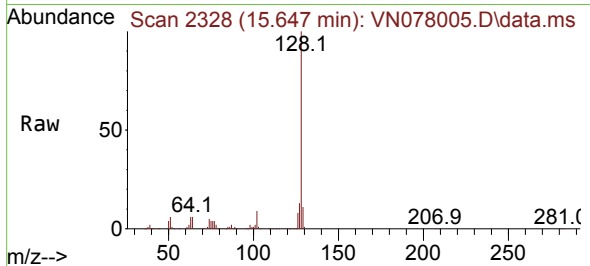




#95
Naphthalene
Concen: 32.691 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 576631
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 39.289 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.006 min
Lab File: VN078005.D
Acq: 31 May 2023 20:10

Tgt Ion:180 Resp: 197129
Ion Ratio Lower Upper
180 100
182 94.6 46.2 138.6
145 34.8 17.5 52.6

