

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
 Data File : VN077597.D
 Acq On : 05 May 2023 17:41
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Quant Time: May 06 02:34:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	54986	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	397662	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	422841	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	157715	32.173	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.233%	
60) 4-Bromofluorobenzene	12.854	95	228772	30.882	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 102.933%	
63) Toluene-d8	10.571	98	448569	30.106	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.367%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	161876	23.647	ug/l	100
3) Chloromethane	2.372	50	131247	25.953	ug/l	94
4) Vinyl Chloride	2.525	62	159904	22.735	ug/l	93
5) Bromomethane	2.972	94	115116	19.389	ug/l	91
6) Chloroethane	3.131	64	111003	21.916	ug/l #	84
7) Trichlorofluoromethane	3.507	101	244317	23.554	ug/l	94
8) Diethyl Ether	3.966	74	90789	25.012	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.384	101	130294	22.225	ug/l	73
10) 1,1-Dichloroethene	4.354	96	129696	23.061	ug/l	86
11) Methyl Iodide	4.607	142	149899	21.725	ug/l	94
12) Methyl Acetate	5.042	43	226082	27.873	ug/l	95
13) Acrolein	4.190	56	143746	147.809	ug/l	99
14) Acrylonitrile	5.731	53	312391	125.536	ug/l	99
15) Acetone	4.437	58	104195	131.144	ug/l	92
16) Carbon Disulfide	4.725	76	299385	21.228	ug/l	97
17) Allyl chloride	5.037	41	154452	25.045	ug/l	93
18) Methylene Chloride	5.289	84	155124	23.381	ug/l	93
19) trans-1,2-Dichloroethene	5.789	96	137888	22.189	ug/l	98
20) Diisopropyl ether	6.683	45	381759	26.593	ug/l	95
21) 1,1-Dichloroethane	6.583	63	254164	24.227	ug/l	96
22) cis-1,2-Dichloroethene	7.495	96	166716	22.400	ug/l	93
23) tert-Butyl Alcohol	5.525	59	116457	108.478	ug/l #	100
24) Methyl tert-Butyl Ether	5.807	73	462099	23.689	ug/l	97
25) Chloroform	7.972	83	289715	24.027	ug/l	100
26) Cyclohexane	8.266	56	200313	23.407	ug/l #	97
29) 1,1-Dichloropropene	8.377	75	196777	23.475	ug/l	99
30) 2-Butanone	7.489	43	412884	134.351	ug/l	94
31) 2,2-Dichloropropane	7.495	77	226767	23.121	ug/l	100
32) 1,1,1-Trichloroethane	8.172	97	261059	24.129	ug/l	98
33) Carbon Tetrachloride	8.366	117	217080	23.116	ug/l	97
34) Benzene	8.613	78	595315	23.094	ug/l	95
35) Methacrylonitrile	7.789	41	88667	28.258	ug/l	91
36) 1,2-Dichloroethane	8.677	62	218450	24.814	ug/l	100
37) Trichloroethene	9.354	130	143068	21.959	ug/l	96
38) Methylcyclohexane	9.607	83	238377	21.646	ug/l	94
39) 1,2-Dichloropropane	9.624	63	147463	24.698	ug/l	100
40) Dibromomethane	9.713	93	113077	24.015	ug/l	97
41) Bromodichloromethane	9.889	83	219729	23.628	ug/l #	91
42) Vinyl Acetate	6.613	43	1170966	120.983	ug/l	94

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 Sample : VSTDCCC020
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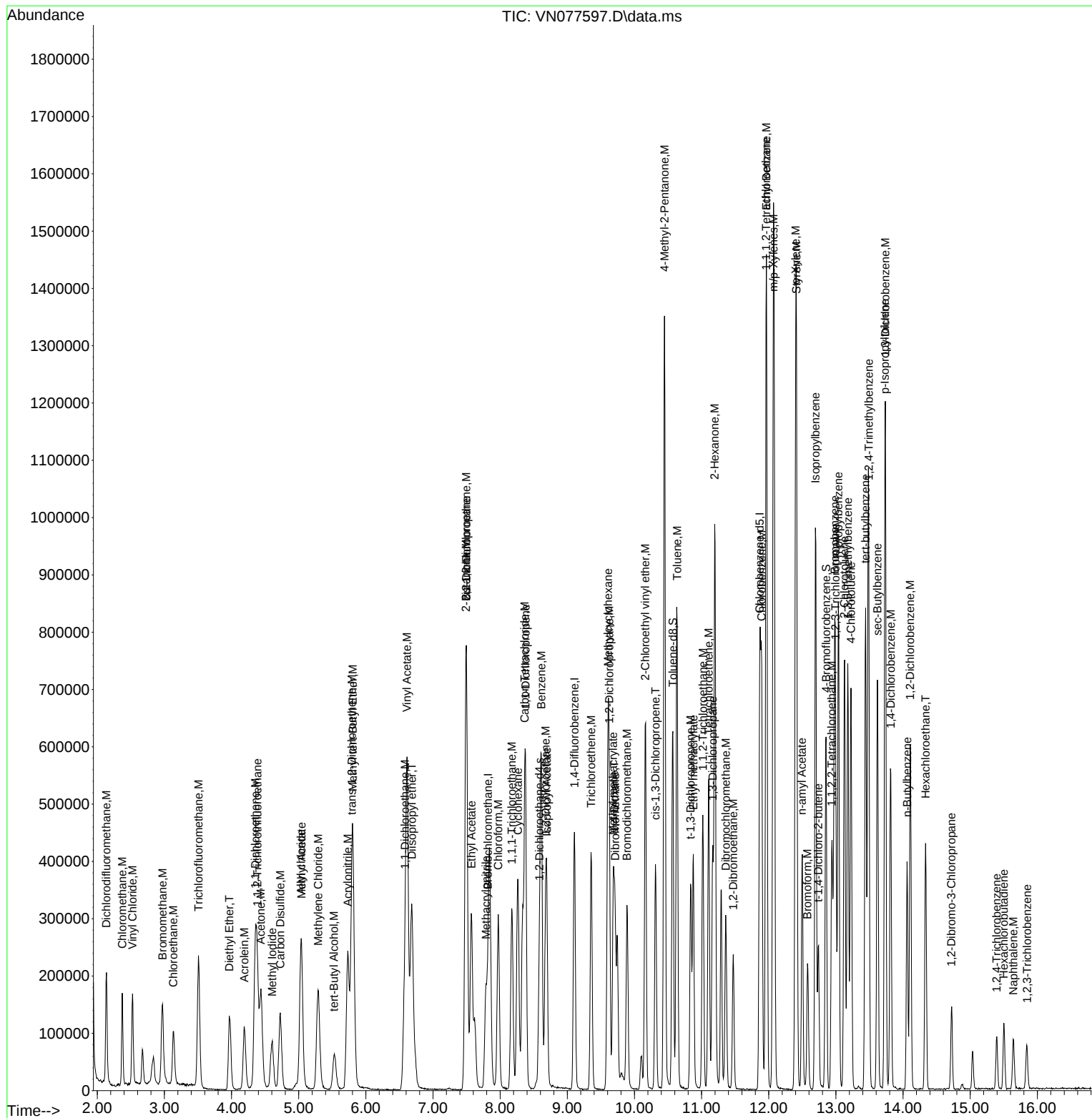
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.572	43	163223	27.440	ug/l #	78
44) Isopropyl Acetate	8.695	43	286071	27.148	ug/l	93
45) 1,4-Dioxane	9.701	88	59375	464.635	ug/l	95
46) Methyl methacrylate	9.683	41	130295	27.170	ug/l	94
47) n-amyl Acetate	12.495	43	209322	24.781	ug/l	99
48) t-1,3-Dichloropropene	10.836	75	215378	22.748	ug/l	99
49) cis-1,3-Dichloropropene	10.313	75	237721	23.260	ug/l #	92
50) 1,1,2-Trichloroethane	11.018	97	156808	23.460	ug/l	96
51) Ethyl methacrylate	10.877	69	221038	23.886	ug/l	90
52) 1,3-Dichloropropane	11.166	76	260222	23.991	ug/l	99
53) Dibromochloromethane	11.360	129	160291	23.293	ug/l	97
54) 1,2-Dibromoethane	11.471	107	157614	23.042	ug/l	99
55) 2-Chloroethyl vinyl ether	10.160	63	297475	97.963	ug/l	98
56) Bromoform	12.577	173	93010	21.669	ug/l #	99
58) 4-Methyl-2-Pentanone	10.448	43	849275	139.465	ug/l	95
59) 2-Hexanone	11.195	43	599564	133.638	ug/l	96
61) Tetrachloroethene	11.107	164	114472	23.177	ug/l	92
62) Toluene	10.636	91	675069	23.738	ug/l	98
64) Chlorobenzene	11.895	112	397189	22.863	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.960	131	145938	23.506	ug/l	97
66) Ethyl Benzene	11.965	91	710560	22.883	ug/l	98
67) m/p-Xylenes	12.071	106	541193	44.757	ug/l	94
68) o-Xylene	12.401	106	269498	22.438	ug/l	95
69) Styrene	12.413	104	424874	22.749	ug/l	98
70) Isopropylbenzene	12.695	105	680432	22.319	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.936	83	221193	23.818	ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	263558	33.364	ug/l	60
73) Bromobenzene	12.983	156	146324	22.319	ug/l	95
74) n-propylbenzene	13.036	91	710670	20.948	ug/l	99
75) 2-Chlorotoluene	13.124	91	464306	22.189	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	451304	19.204	ug/l	99
77) t-1,4-Dichloro-2-butene	12.736	75	54826	21.013	ug/l	88
78) 4-Chlorotoluene	13.224	91	443419	22.383	ug/l	97
79) tert-butylbenzene	13.442	119	419744	19.308	ug/l	99
80) 1,2,4-Trimethylbenzene	13.489	105	382446	17.695	ug/l	97
81) sec-Butylbenzene	13.618	105	500990	16.531	ug/l	100
82) p-Isopropyltoluene	13.730	119	381638	16.070	ug/l	98
83) 1,3-Dichlorobenzene	13.736	146	246052	21.453	ug/l	99
84) 1,4-Dichlorobenzene	13.818	146	228866	20.196	ug/l	99
85) n-Butylbenzene	14.059	91	228187	12.434	ug/l	99
86) Hexachloroethane	14.336	117	87911	18.273	ug/l	98
87) 1,2-Dichlorobenzene	14.107	146	239950	20.563	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.718	75	40398	23.534	ug/l	90
89) 1,2,4-Trichlorobenzene	15.395	180	27449	8.963	ug/l	99
90) Hexachlorobutadiene	15.501	225	18951	7.608	ug/l	97
91) Naphthalene	15.642	128	80417	7.193	ug/l	99
92) 1,2,3-Trichlorobenzene	15.848	180	22781	7.950	ug/l	98

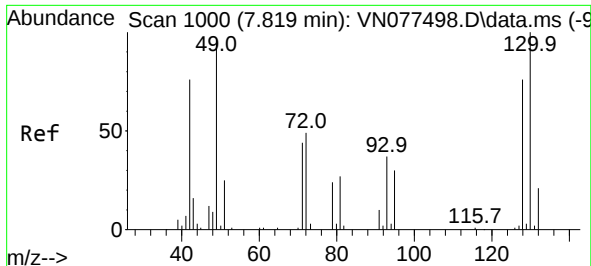
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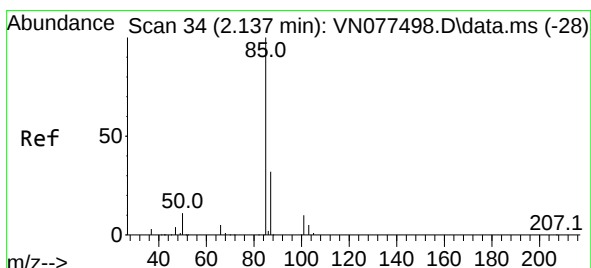
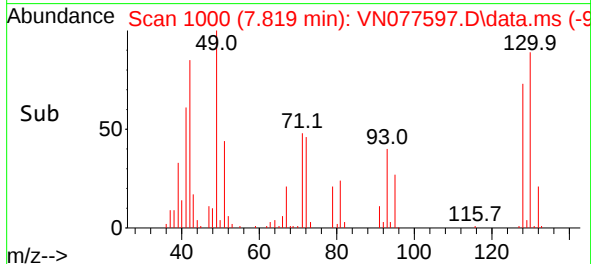
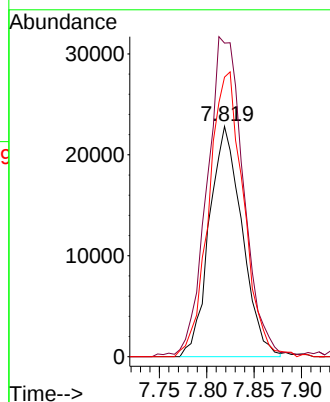
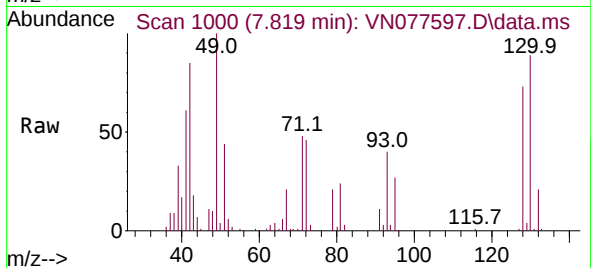




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077597.D
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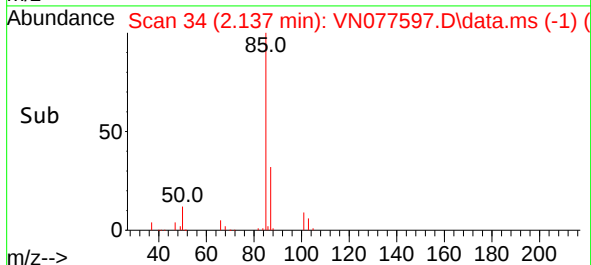
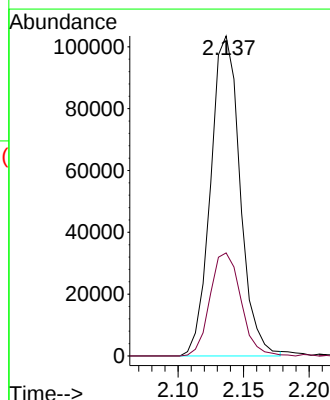
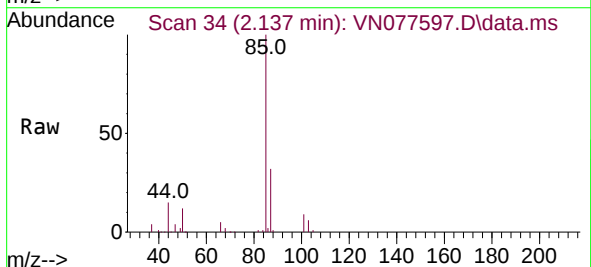
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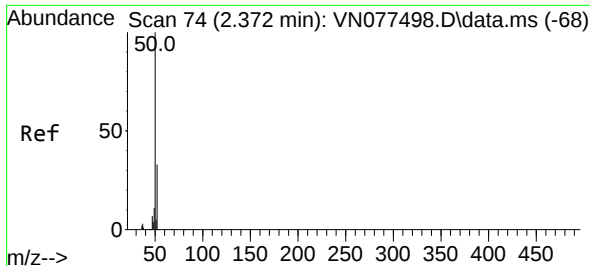
Tgt Ion:128 Resp: 54986
Ion Ratio Lower Upper
128 100
49 153.7 0.0 338.5
130 130.4 0.0 326.3



#2
Dichlorodifluoromethane
Concen: 23.647 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 85 Resp: 161876
Ion Ratio Lower Upper
85 100
87 32.2 16.1 48.3

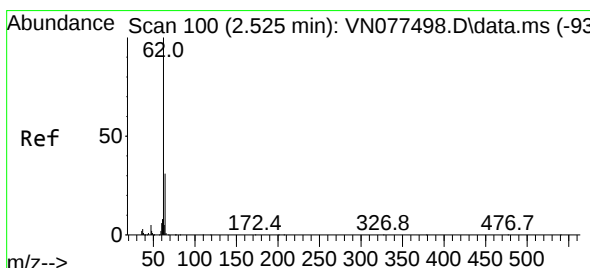
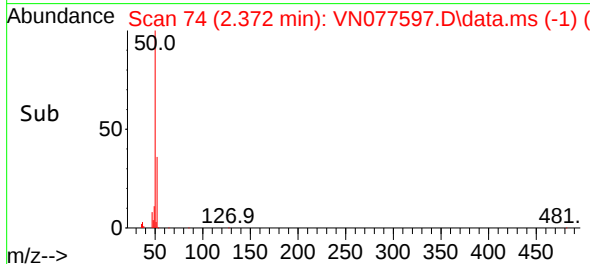
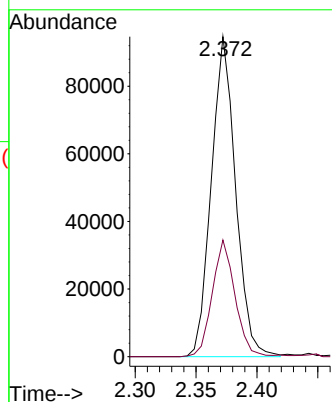
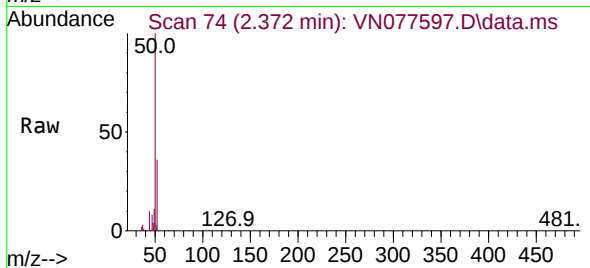




#3
Chloromethane
Concen: 25.953 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

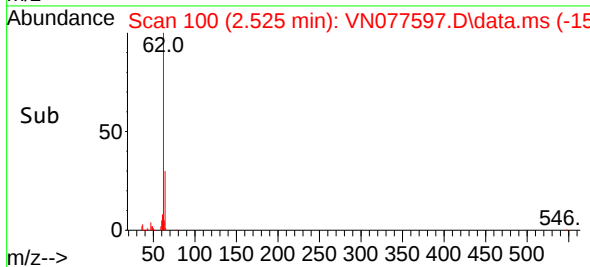
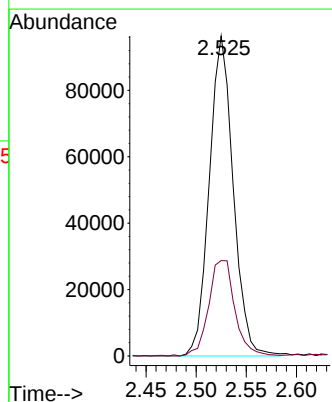
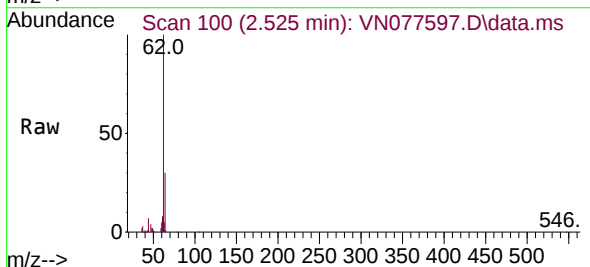
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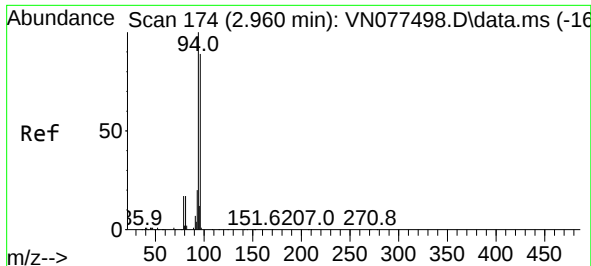
Tgt Ion: 50 Resp: 131247
Ion Ratio Lower Upper
50 100
52 36.4 26.6 39.8



#4
Vinyl Chloride
Concen: 22.735 ug/l
RT: 2.525 min Scan# 100
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 62 Resp: 159904
Ion Ratio Lower Upper
62 100
64 29.8 27.1 40.7

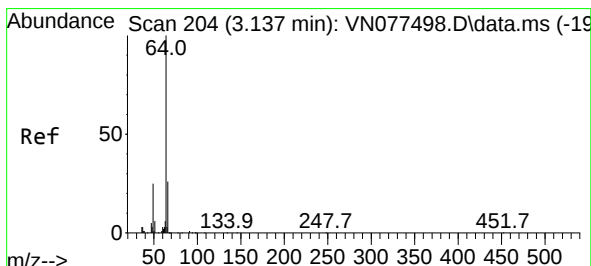
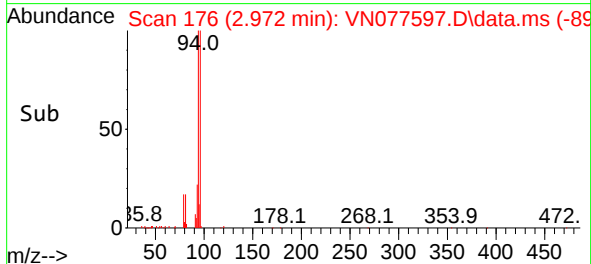
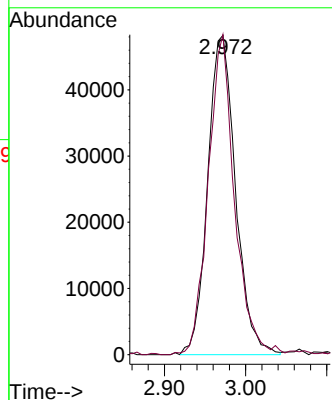
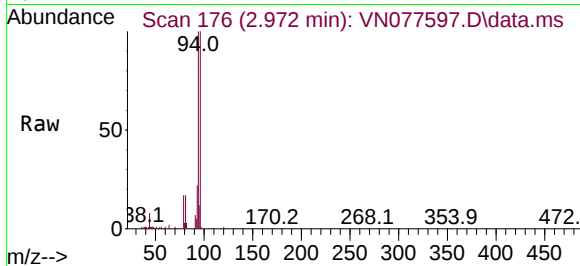




#5
Bromomethane
Concen: 19.389 ug/l
RT: 2.972 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

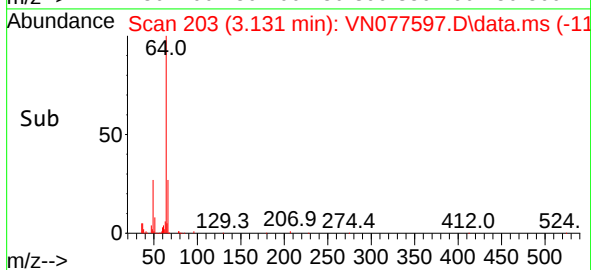
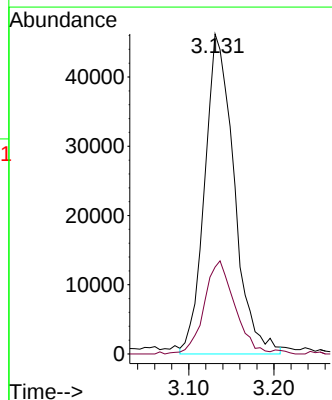
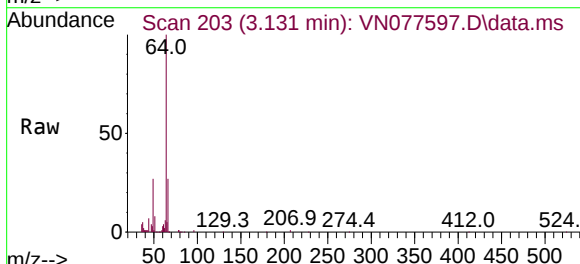
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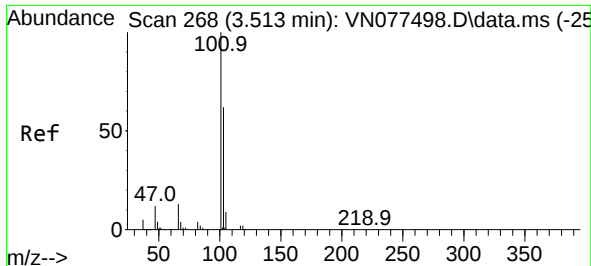
Tgt Ion: 94 Resp: 115116
Ion Ratio Lower Upper
94 100
96 99.6 72.6 108.8



#6
Chloroethane
Concen: 21.916 ug/l
RT: 3.131 min Scan# 203
Delta R.T. -0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 64 Resp: 111003
Ion Ratio Lower Upper
64 100
66 27.0 29.1 43.7#

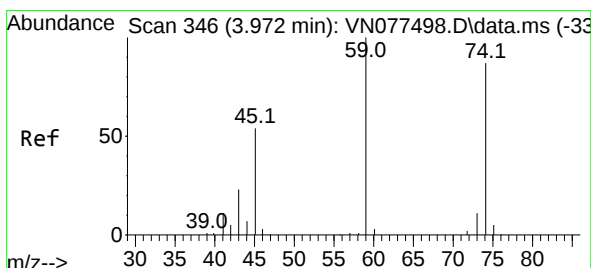
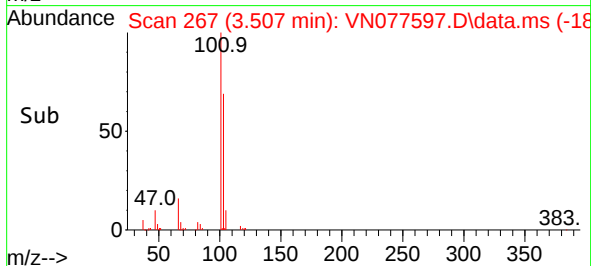
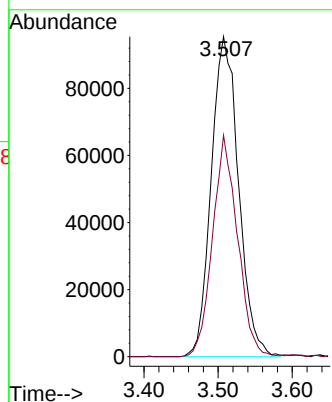
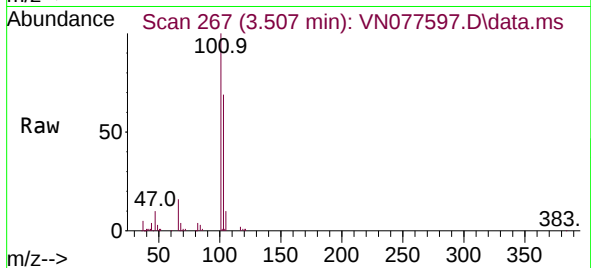




#7
 Trichlorofluoromethane
 Concen: 23.554 ug/l
 RT: 3.507 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN077597.D
 Acq: 05 May 2023 17:41

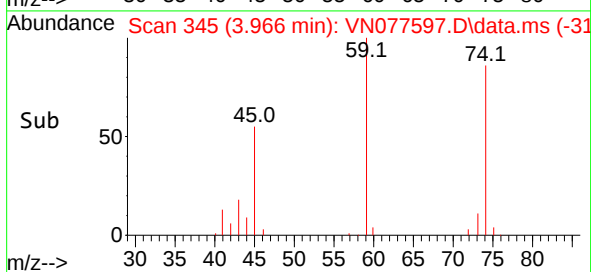
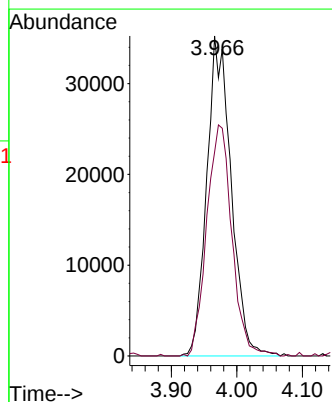
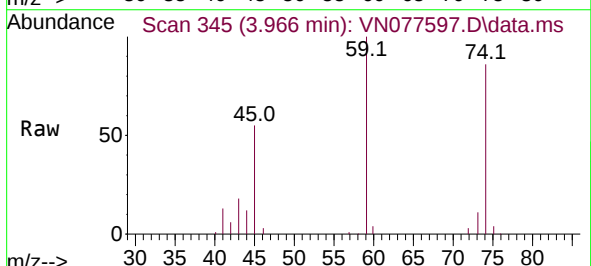
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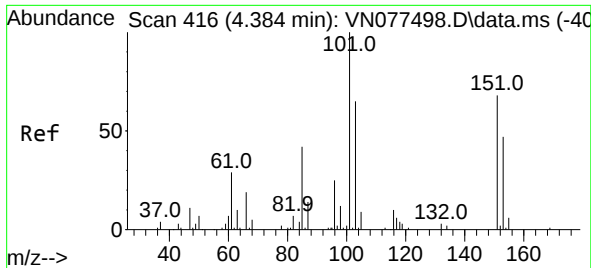
Tgt Ion:101 Resp: 244317
 Ion Ratio Lower Upper
 101 100
 103 69.2 51.8 77.8



#8
 Diethyl Ether
 Concen: 25.012 ug/l
 RT: 3.966 min Scan# 345
 Delta R.T. -0.006 min
 Lab File: VN077597.D
 Acq: 05 May 2023 17:41

Tgt Ion: 74 Resp: 90789
 Ion Ratio Lower Upper
 74 100
 45 74.7 13.6 122.0

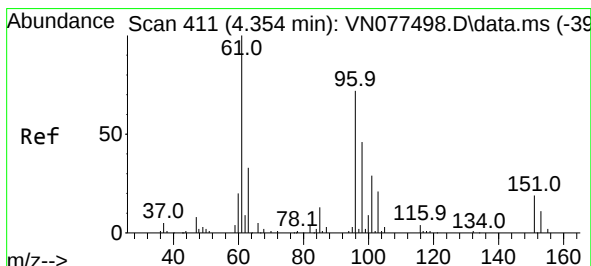
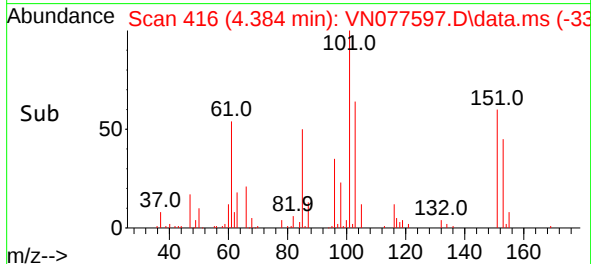
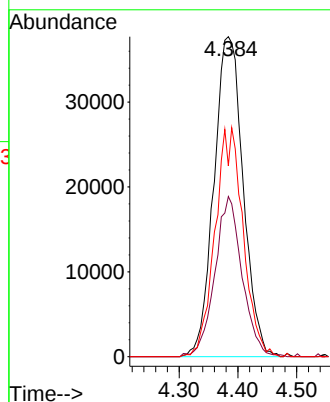
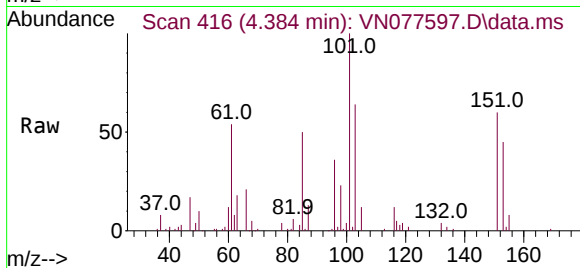




#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.225 ug/l
RT: 4.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: VN077597.D
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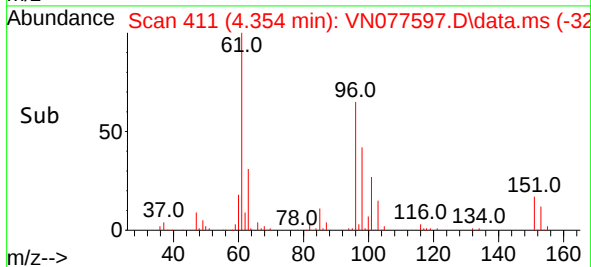
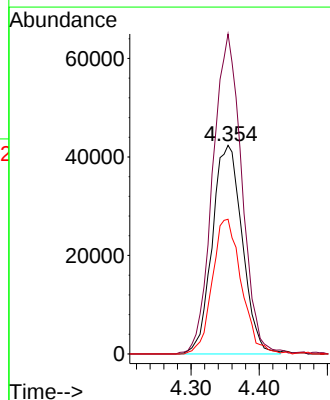
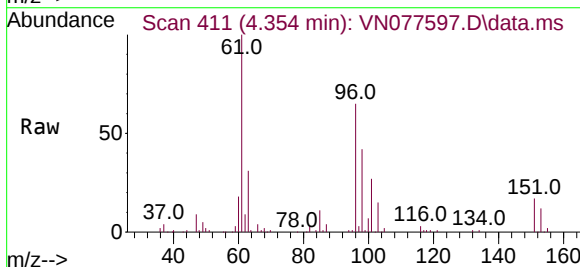
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MSVOA_N
ClientSampleId :
VSTDCCC020EC

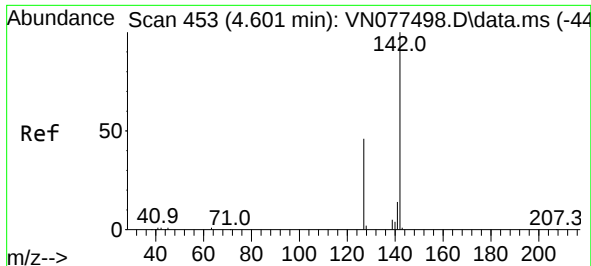
Tgt Ion:101 Resp: 130294
Ion Ratio Lower Upper
101 100
85 45.4 0.0 90.4
151 34.6 0.0 140.8



#10
1,1-Dichloroethene
Concen: 23.061 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 96 Resp: 129696
Ion Ratio Lower Upper
96 100
61 152.6 108.8 163.2
98 64.6 43.5 65.3

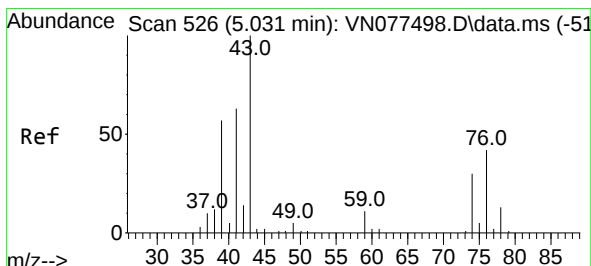
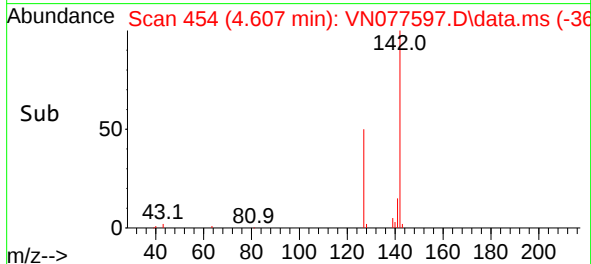
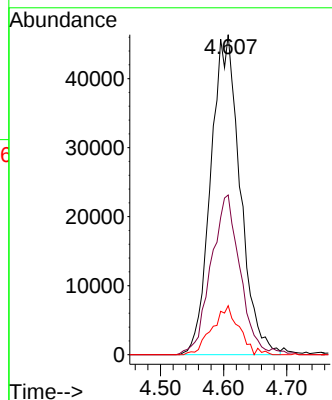
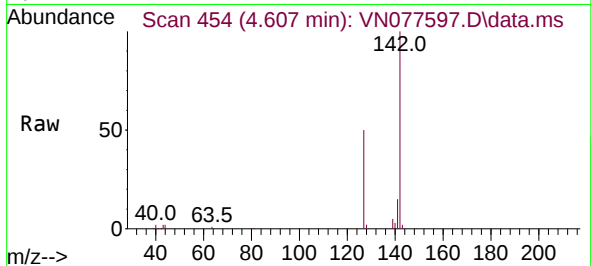




#11
Methyl Iodide
Concen: 21.725 ug/l
RT: 4.607 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

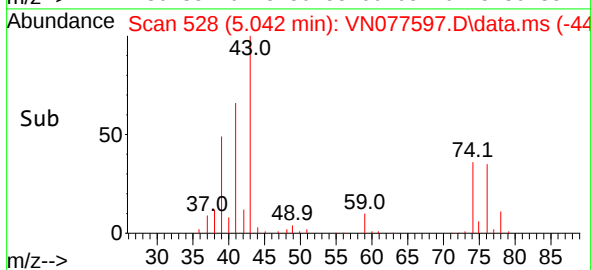
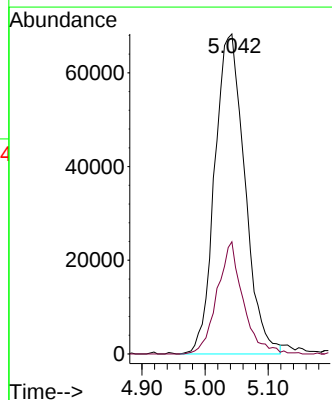
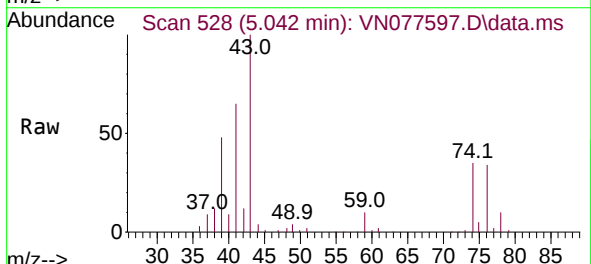
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

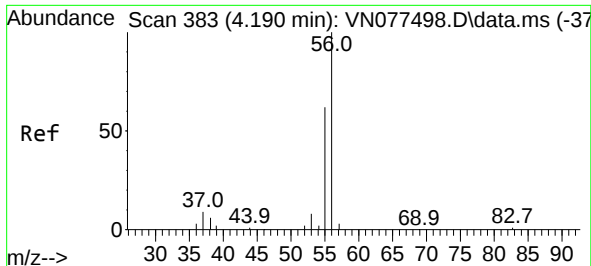
Tgt Ion:142 Resp: 149899
Ion Ratio Lower Upper
142 100
127 49.4 23.1 69.3
141 15.4 6.0 18.0



#12
Methyl Acetate
Concen: 27.873 ug/l
RT: 5.042 min Scan# 528
Delta R.T. 0.011 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 43 Resp: 226082
Ion Ratio Lower Upper
43 100
74 35.3 25.8 38.8

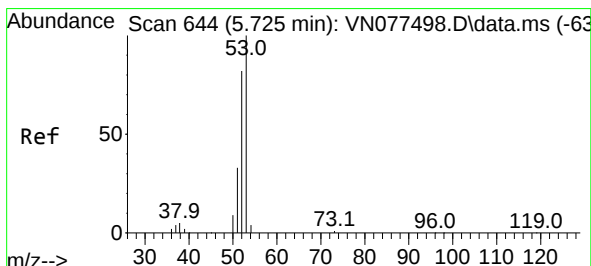
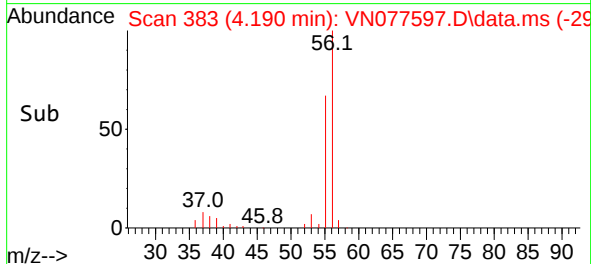
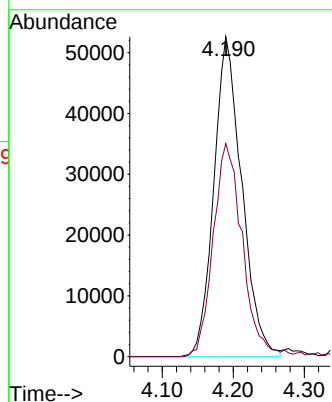
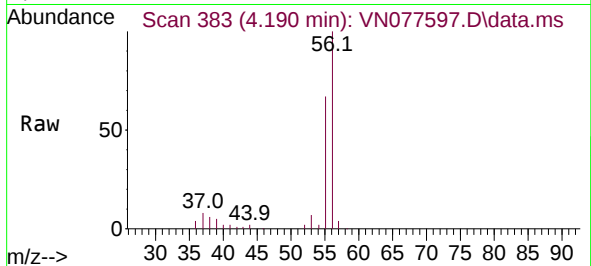




#13
Acrolein
Concen: 147.809 ug/l
RT: 4.190 min Scan# 383
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

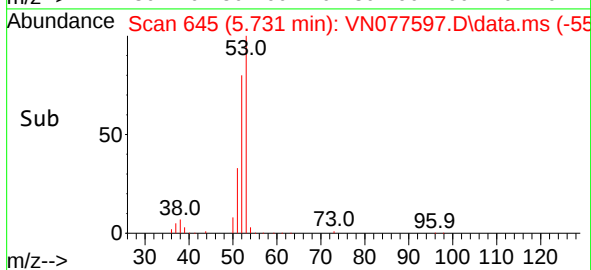
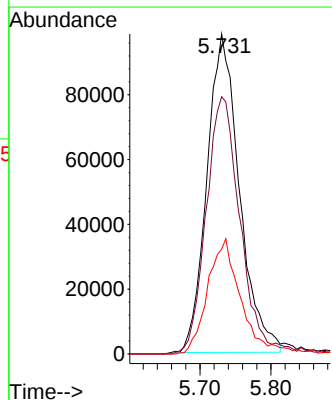
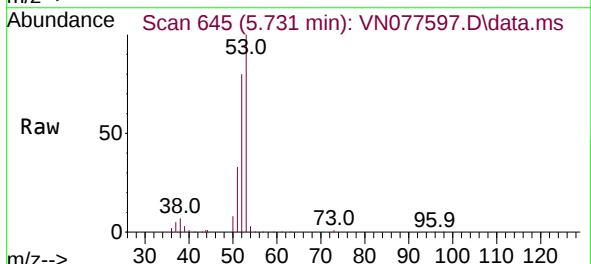
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

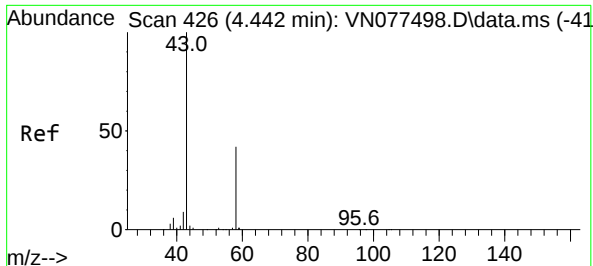
Tgt Ion: 56 Resp: 143746
Ion Ratio Lower Upper
56 100
55 68.9 55.8 83.6



#14
Acrylonitrile
Concen: 125.536 ug/l
RT: 5.731 min Scan# 645
Delta R.T. 0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 53 Resp: 312391
Ion Ratio Lower Upper
53 100
52 82.8 41.9 125.6
51 35.2 18.0 54.0

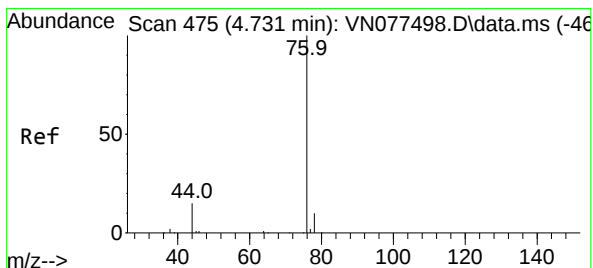
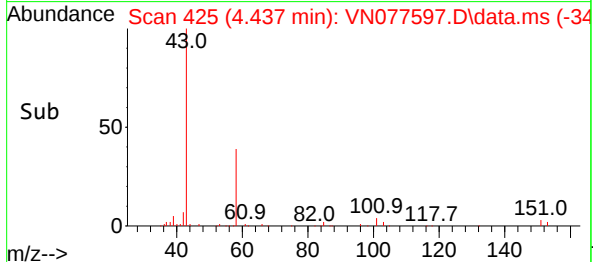
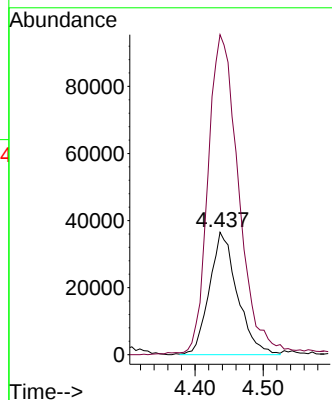
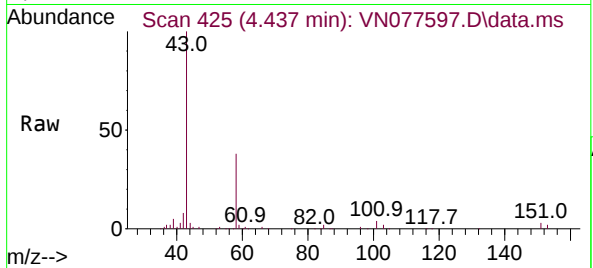




#15
Acetone
Concen: 131.144 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.005 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

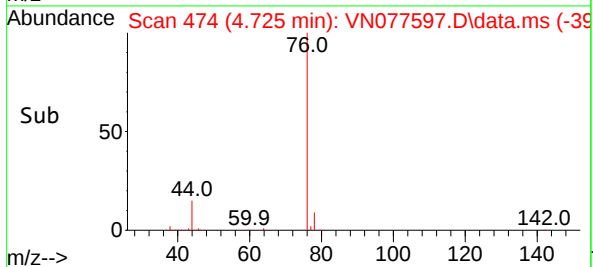
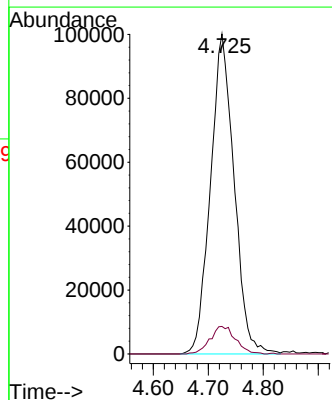
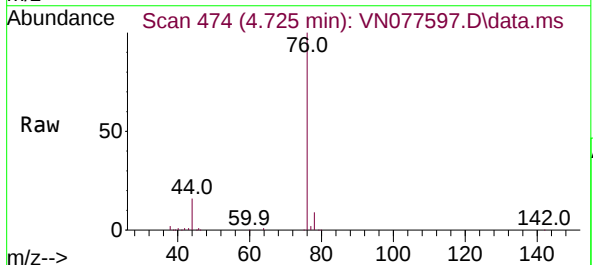
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

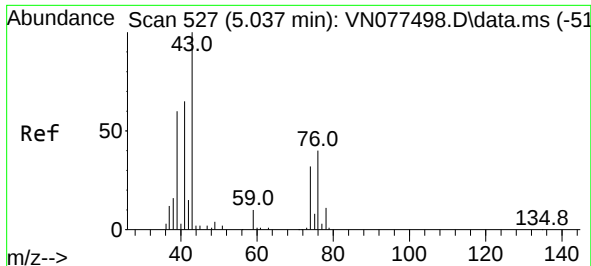
Tgt Ion: 58 Resp: 104195
Ion Ratio Lower Upper
58 100
43 261.0 197.2 295.8



#16
Carbon Disulfide
Concen: 21.228 ug/l
RT: 4.725 min Scan# 474
Delta R.T. -0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 76 Resp: 299385
Ion Ratio Lower Upper
76 100
78 8.6 7.8 11.8

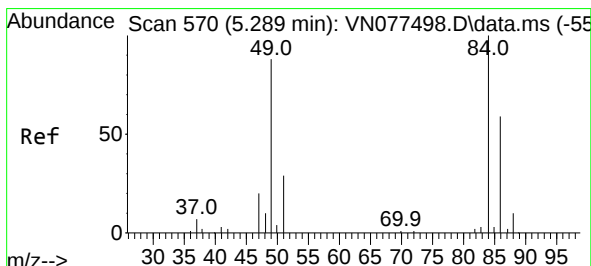
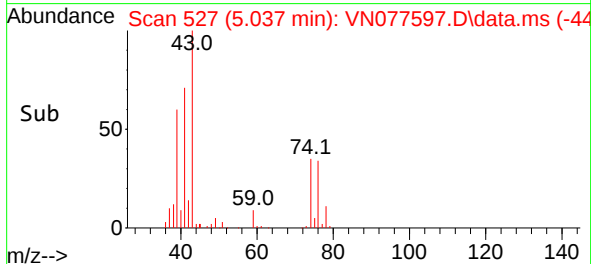
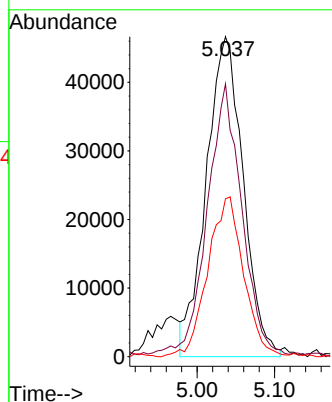
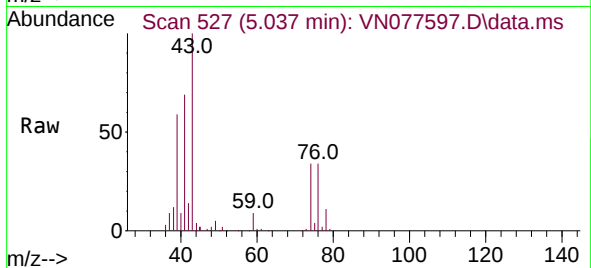




#17
 Allyl chloride
 Concen: 25.045 ug/l
 RT: 5.037 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN077597.D
 Acq: 05 May 2023 17:41

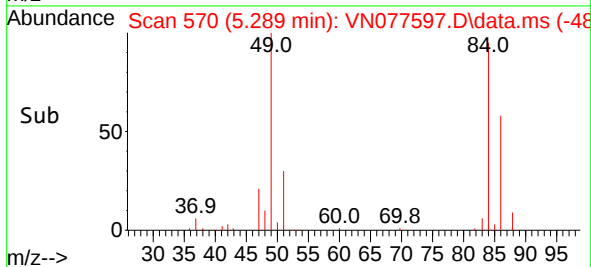
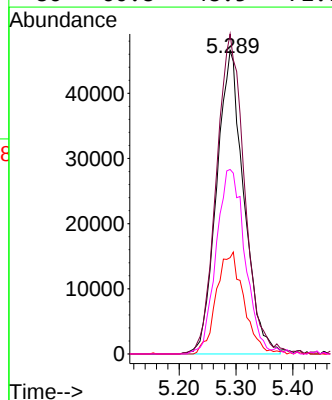
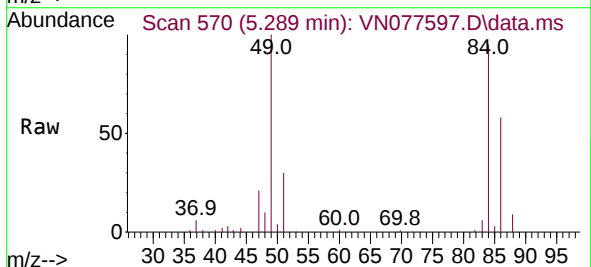
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

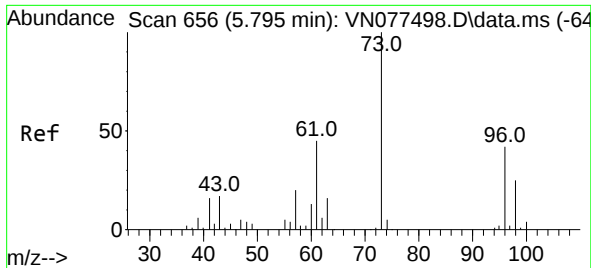
Tgt Ion: 41 Resp: 154452
 Ion Ratio Lower Upper
 41 100
 39 84.9 38.6 116.0
 76 49.5 26.1 78.3



#18
 Methylene Chloride
 Concen: 23.381 ug/l
 RT: 5.289 min Scan# 570
 Delta R.T. 0.000 min
 Lab File: VN077597.D
 Acq: 05 May 2023 17:41

Tgt Ion: 84 Resp: 155124
 Ion Ratio Lower Upper
 84 100
 49 105.4 74.6 112.0
 51 31.7 25.0 37.6
 86 60.8 48.5 72.7





#19

trans-1,2-Dichloroethene

Concen: 22.189 ug/l

RT: 5.789 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 96 Resp: 137888

Ion Ratio Lower Upper

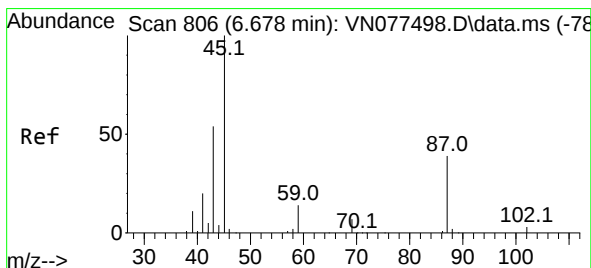
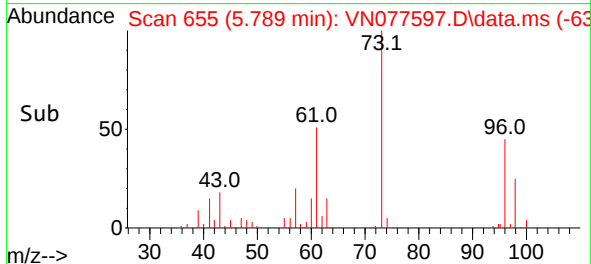
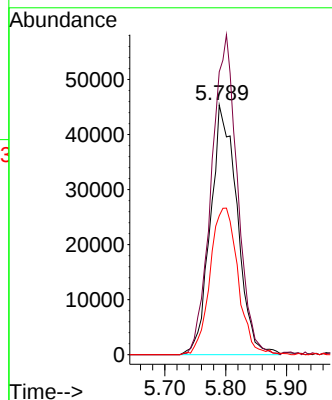
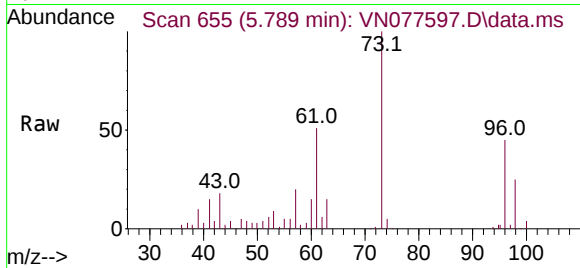
96 100

61 113.3

98 55.6

89.7 134.5

47.0 70.4



#20

Diisopropyl ether

Concen: 26.593 ug/l

RT: 6.683 min Scan# 807

Delta R.T. 0.005 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Tgt Ion: 45 Resp: 381759

Ion Ratio Lower Upper

45 100

43 58.1

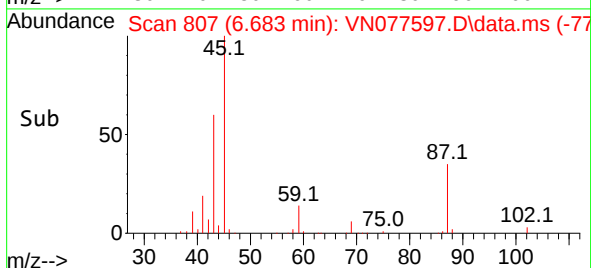
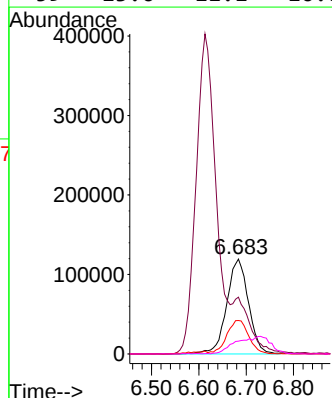
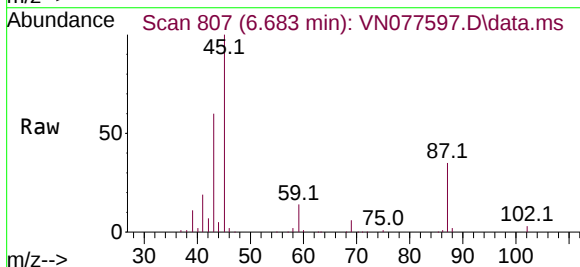
87 35.0

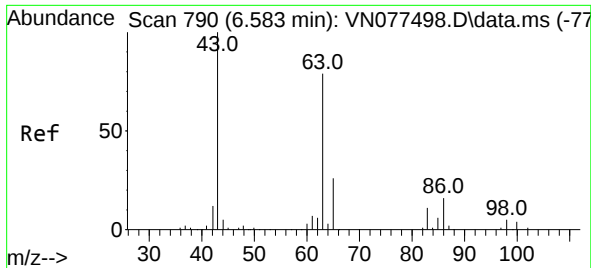
59 13.6

46.6 69.8

34.6 52.0

11.1 16.7

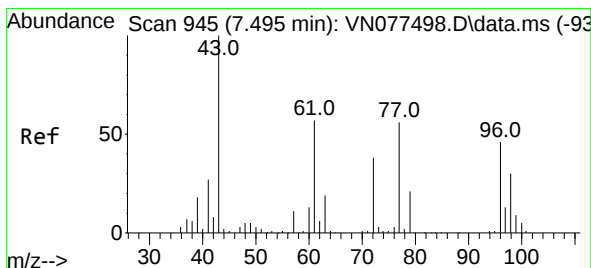
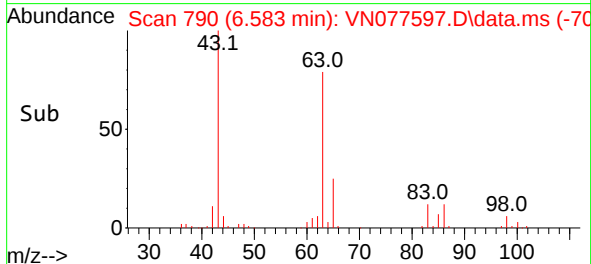
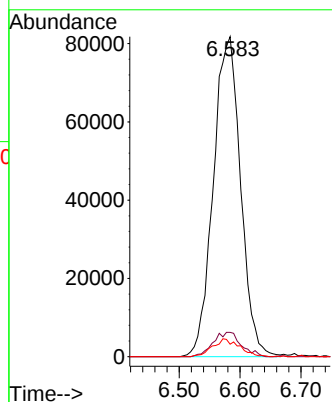
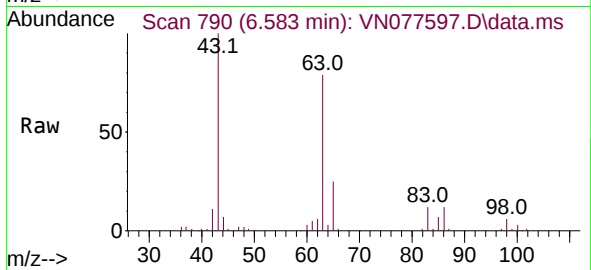




#21
1,1-Dichloroethane
Concen: 24.227 ug/l
RT: 6.583 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

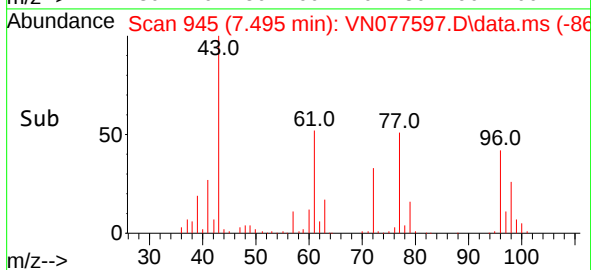
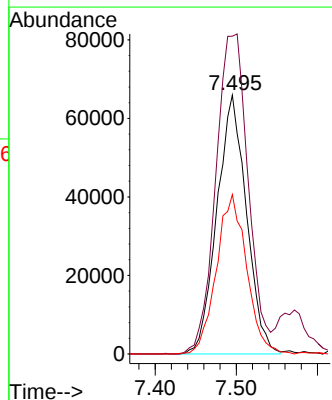
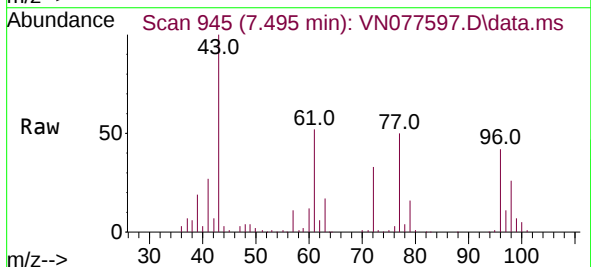
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

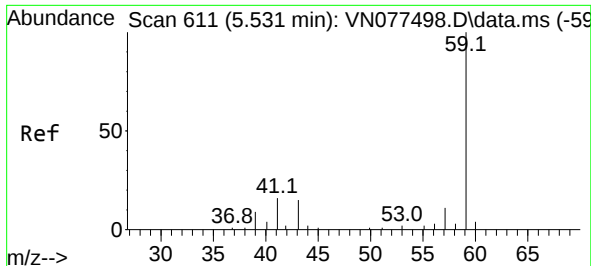
Tgt Ion: 63 Resp: 254164
Ion Ratio Lower Upper
63 100
98 7.6 4.0 12.0
100 3.9 3.4 10.1



#22
cis-1,2-Dichloroethene
Concen: 22.400 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 96 Resp: 166716
Ion Ratio Lower Upper
96 100
61 135.6 100.2 150.2
98 62.9 51.6 77.4

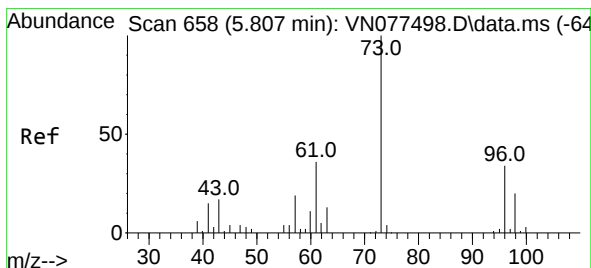
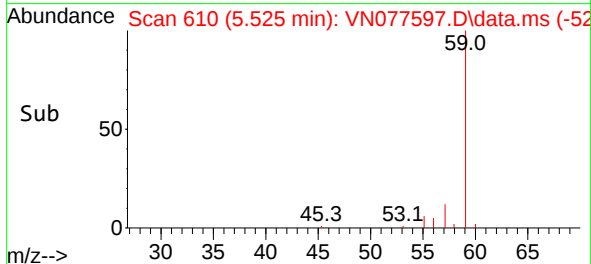
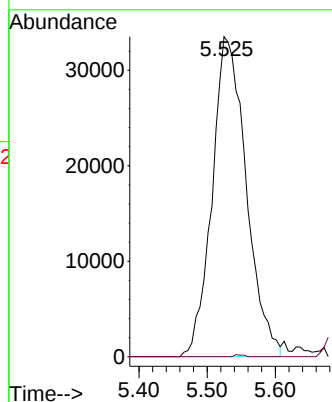
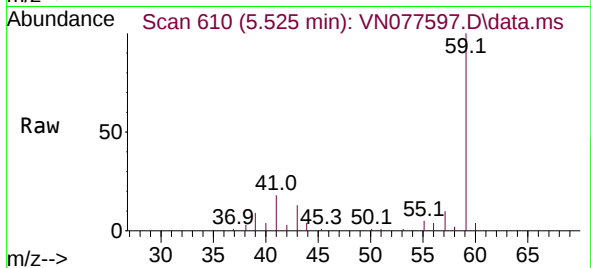




#23
tert-Butyl Alcohol
Concen: 108.478 ug/l
RT: 5.525 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

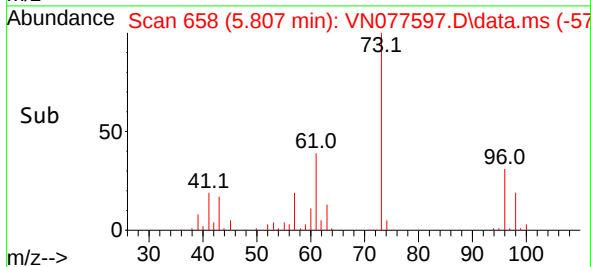
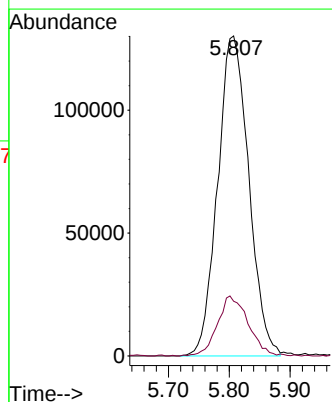
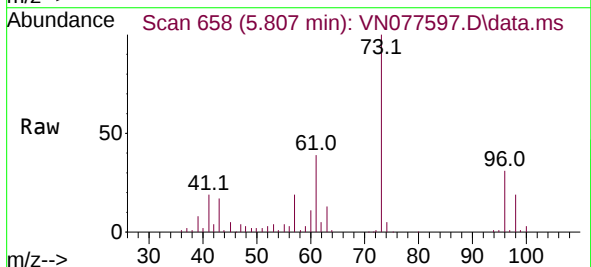
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

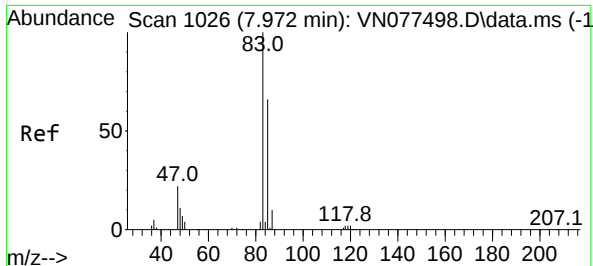
Tgt Ion: 59 Resp: 116457
Ion Ratio Lower Upper
59 100
52 0.2 0.0 0.0#



#24
Methyl tert-Butyl Ether
Concen: 23.689 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 73 Resp: 462099
Ion Ratio Lower Upper
73 100
43 18.4 13.5 20.3





#25

Chloroform

Concen: 24.027 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

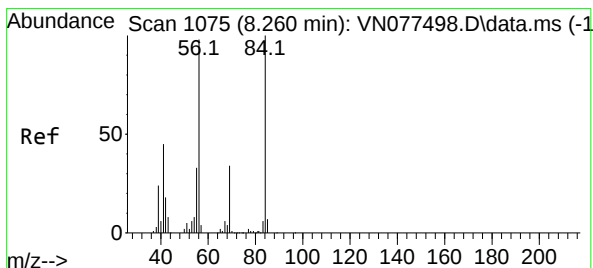
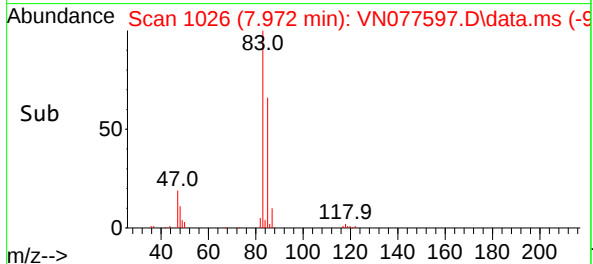
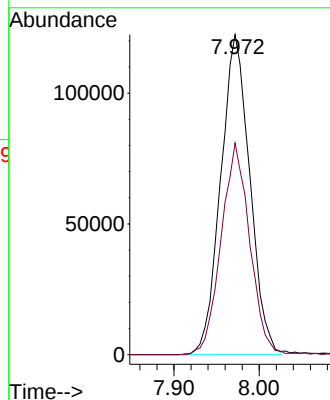
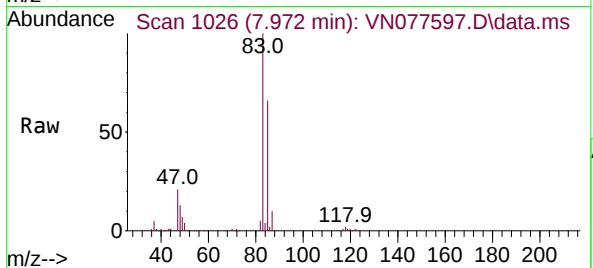
VSTDCCC020EC

Tgt Ion: 83 Resp: 289715

Ion Ratio Lower Upper

83 100

85 66.2 53.0 79.4



#26

Cyclohexane

Concen: 23.407 ug/l

RT: 8.266 min Scan# 1076

Delta R.T. 0.006 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

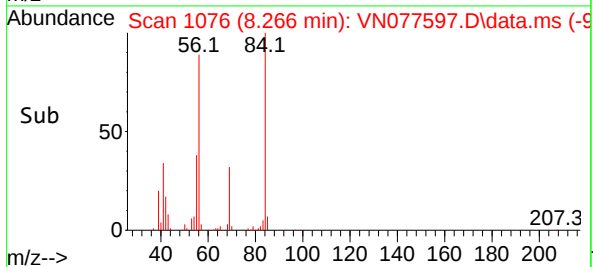
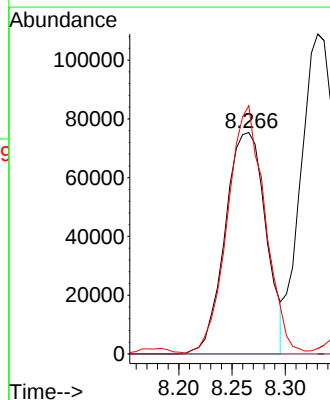
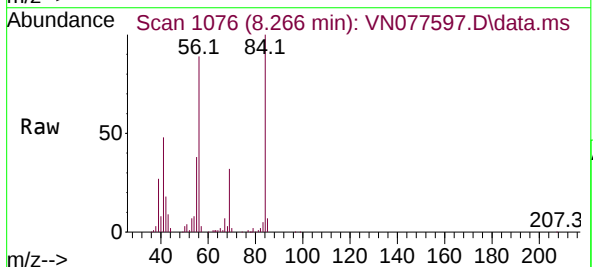
Tgt Ion: 56 Resp: 200313

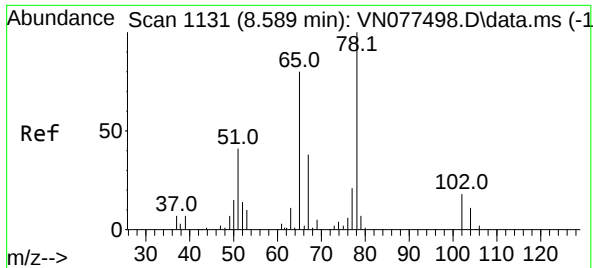
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 104.0 85.4 128.2

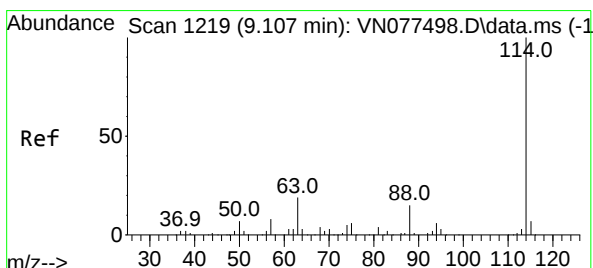
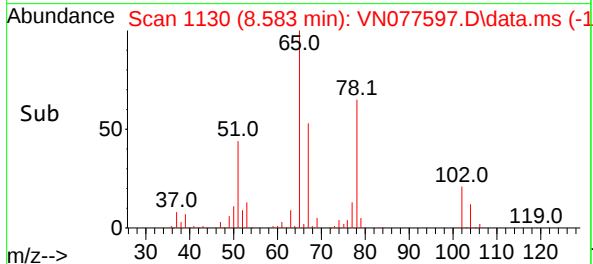
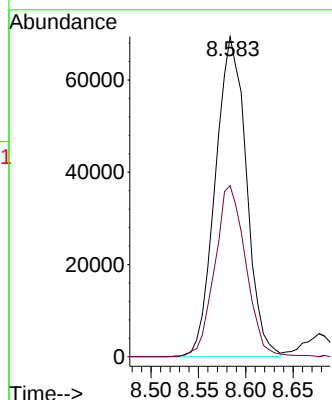
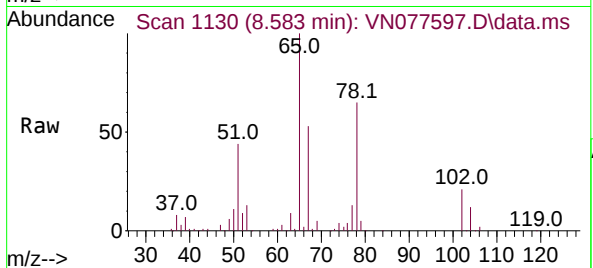




#27
1,2-Dichloroethane-d4
Concen: 32.173 ug/l
RT: 8.583 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

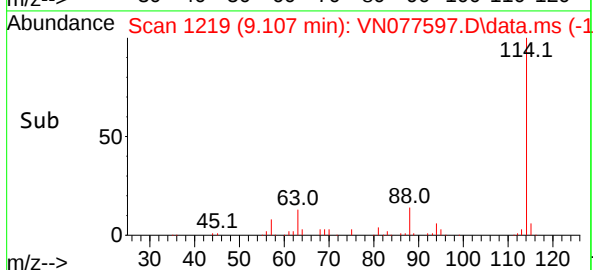
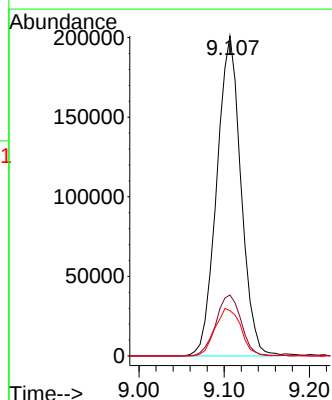
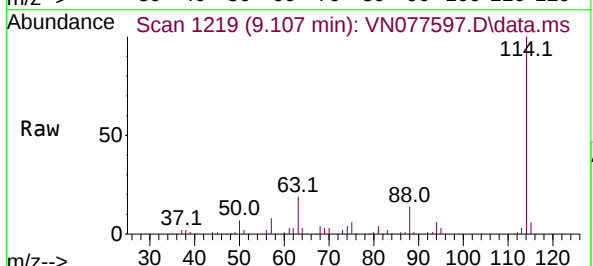
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

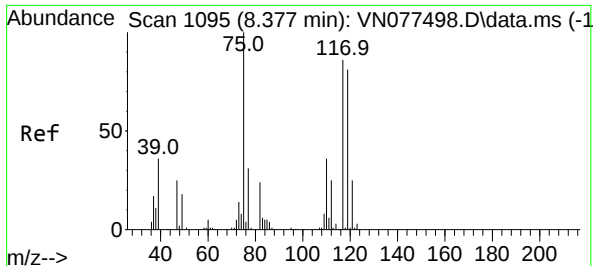
Tgt Ion: 65 Resp: 157715
Ion Ratio Lower Upper
65 100
67 53.5 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 114 Resp: 397662
Ion Ratio Lower Upper
114 100
63 19.9 14.1 21.1
88 15.9 12.3 18.5





#29

1,1-Dichloropropene

Concen: 23.475 ug/l

RT: 8.377 min Scan# 1095

Delta R.T. 0.000 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

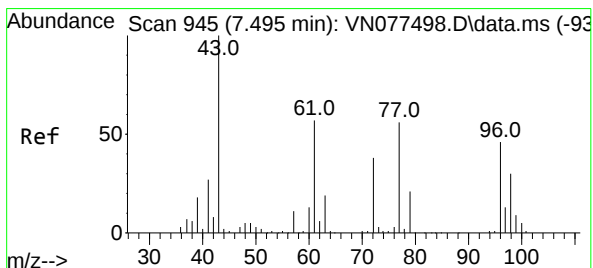
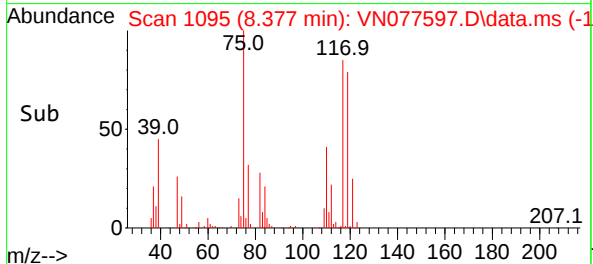
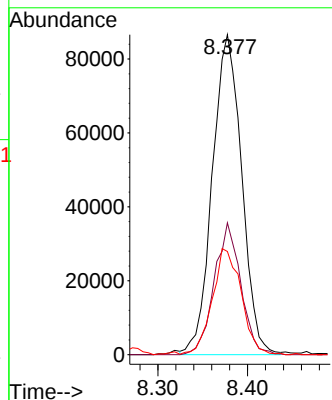
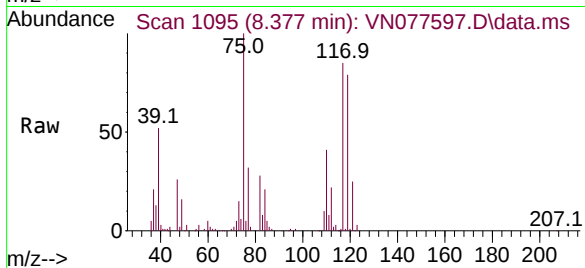
Tgt Ion: 75 Resp: 196777

Ion Ratio Lower Upper

75 100

110 37.2 0.0 74.0

77 32.5 0.0 62.8



#30

2-Butanone

Concen: 134.351 ug/l

RT: 7.489 min Scan# 944

Delta R.T. -0.006 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

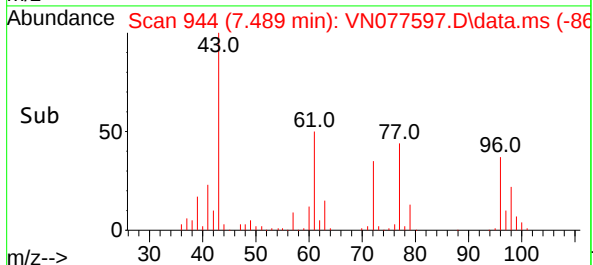
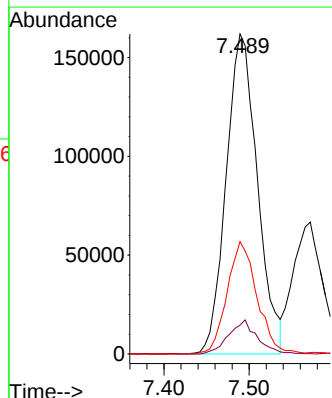
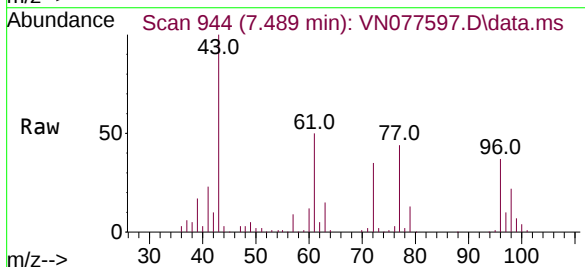
Tgt Ion: 43 Resp: 412884

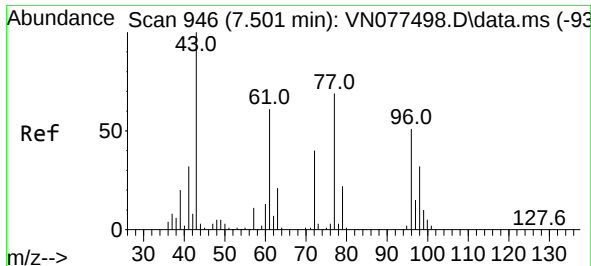
Ion Ratio Lower Upper

43 100

57 9.7 8.0 12.0

72 33.6 30.4 45.6

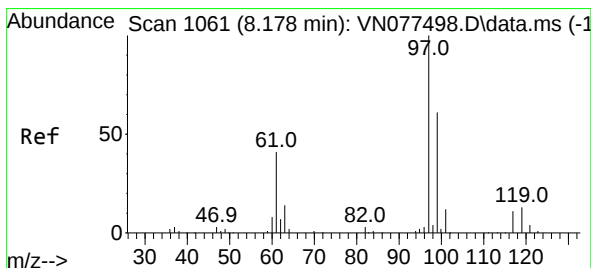
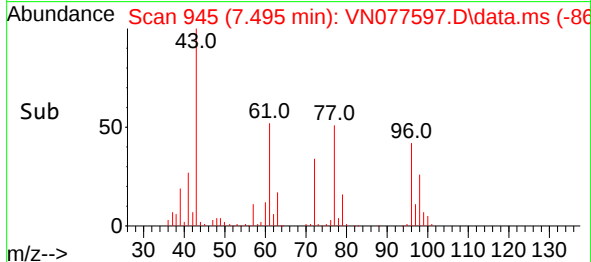
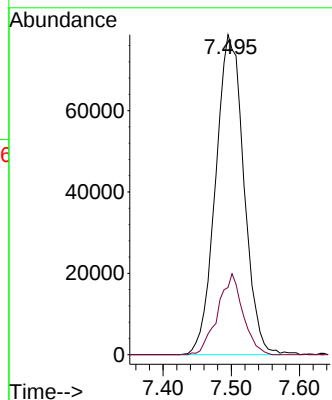
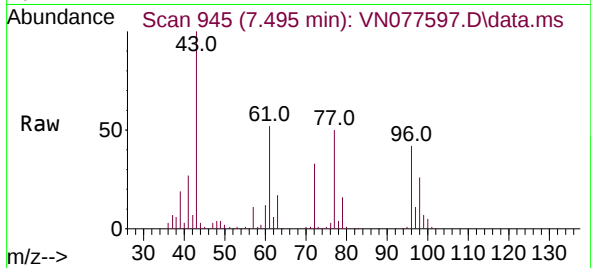




#31
2,2-Dichloropropane
Concen: 23.121 ug/l
RT: 7.495 min Scan# 946
Delta R.T. -0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

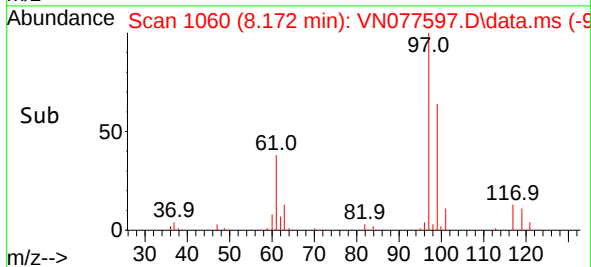
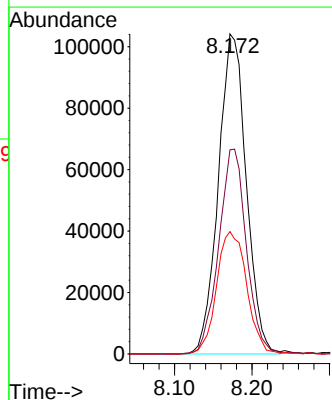
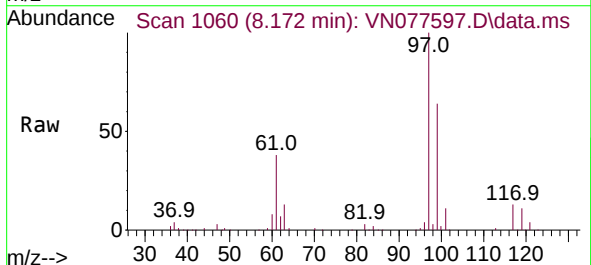
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

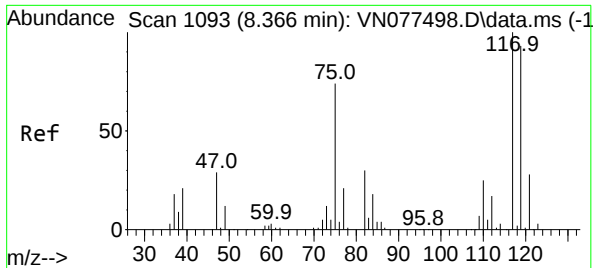
Tgt Ion: 77 Resp: 226767
Ion Ratio Lower Upper
77 100
97 22.5 18.1 27.1



#32
1,1,1-Trichloroethane
Concen: 24.129 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 97 Resp: 261059
Ion Ratio Lower Upper
97 100
99 63.4 50.1 75.1
61 41.1 31.1 46.7

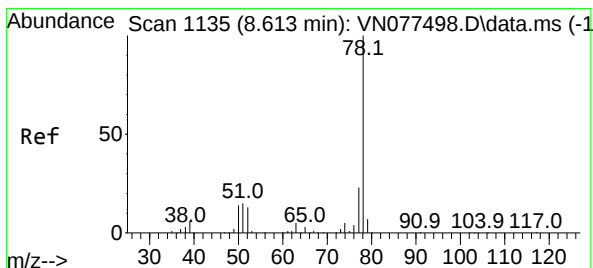
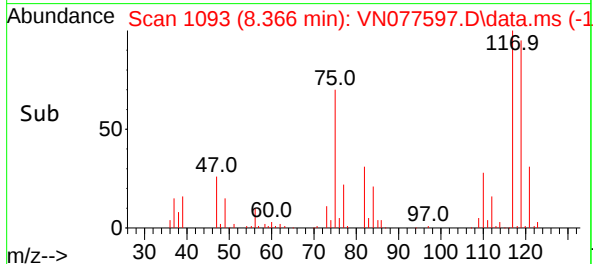
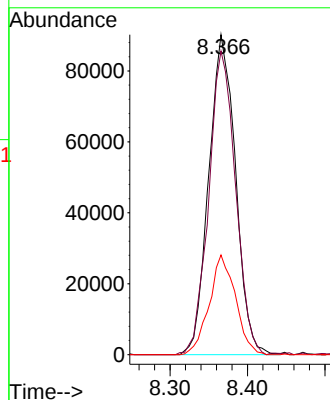
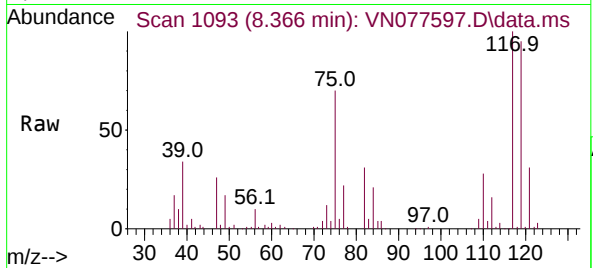




#33
Carbon Tetrachloride
Concen: 23.116 ug/l
RT: 8.366 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

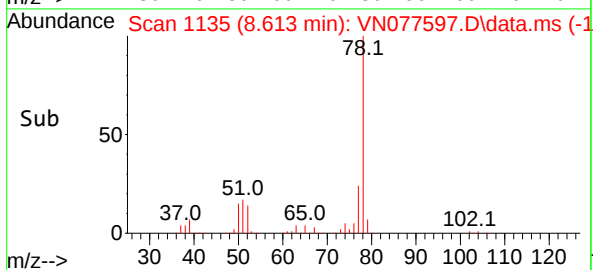
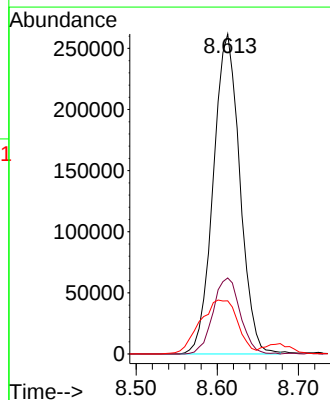
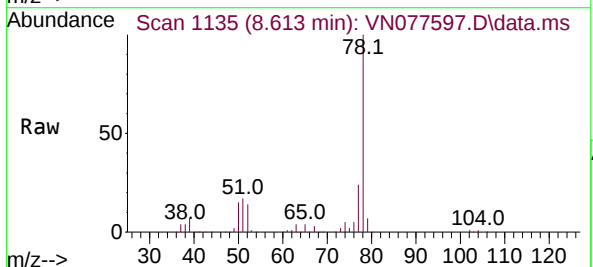
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

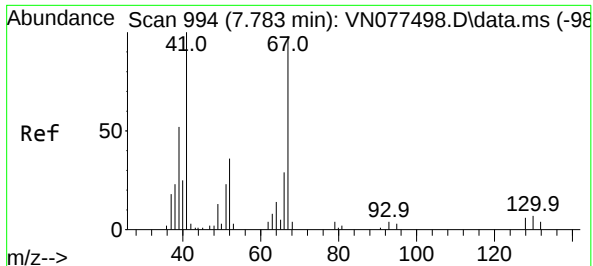
Tgt Ion:117 Resp: 217080
Ion Ratio Lower Upper
117 100
119 94.5 72.6 109.0
121 31.2 24.3 36.5



#34
Benzene
Concen: 23.094 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 78 Resp: 595315
Ion Ratio Lower Upper
78 100
77 23.8 17.1 25.7
51 15.6 11.3 16.9

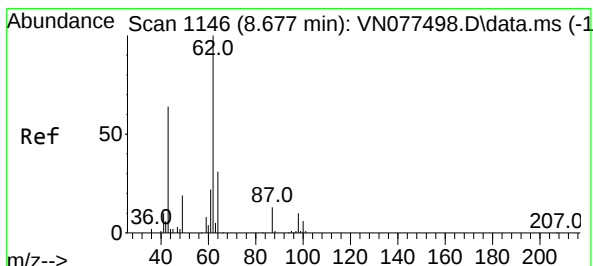
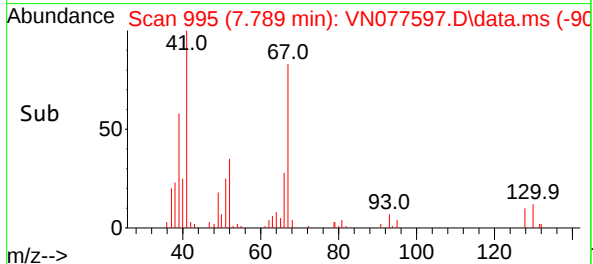
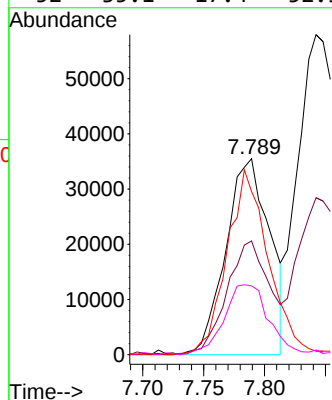
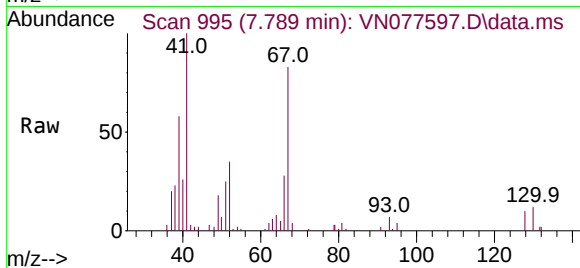




#35
Methacrylonitrile
Concen: 28.258 ug/l
RT: 7.789 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

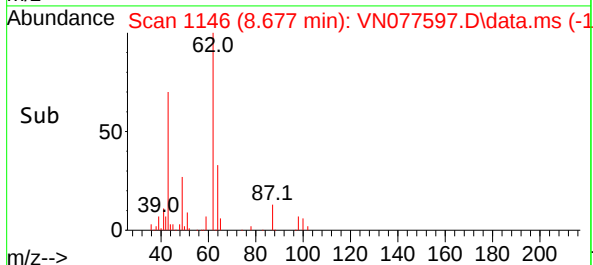
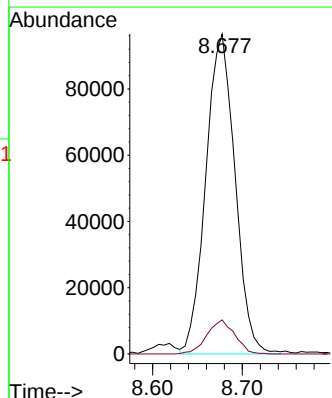
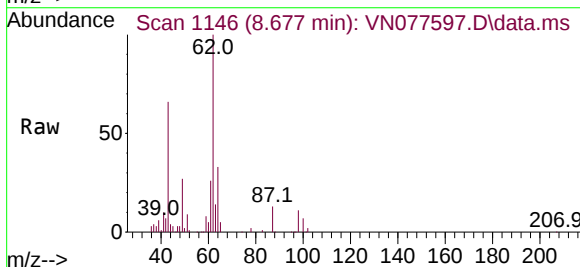
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

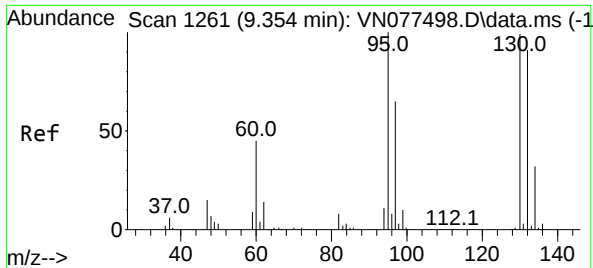
Tgt Ion:	41	Resp:	88667
Ion	Ratio	Lower	Upper
41	100		
39	56.6	25.9	77.8
67	82.6	48.1	144.4
52	35.1	17.4	52.3



#36
1,2-Dichloroethane
Concen: 24.814 ug/l
RT: 8.677 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion:	62	Resp:	218450
Ion	Ratio	Lower	Upper
62	100		
98	10.1	8.0	12.0

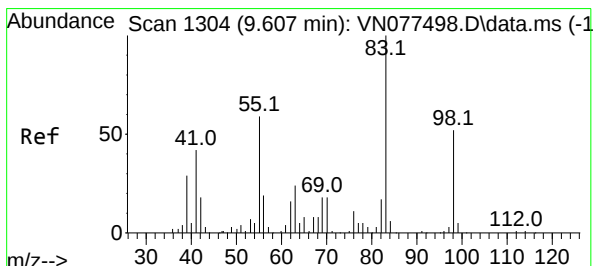
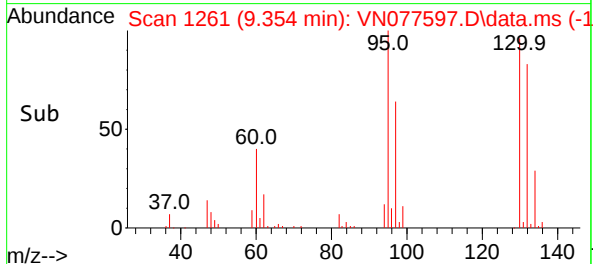
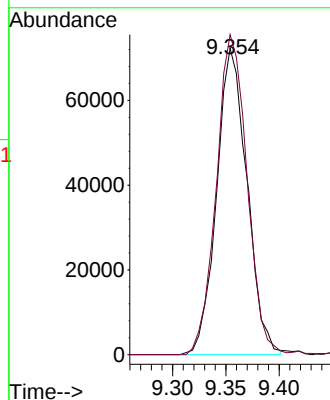
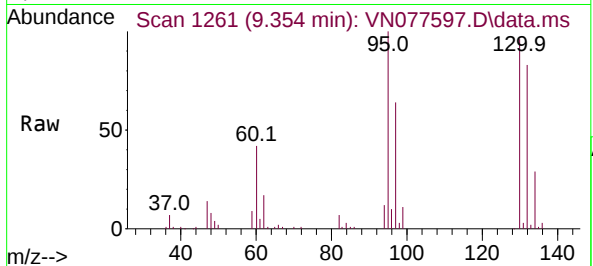




#37
Trichloroethene
Concen: 21.959 ug/l
RT: 9.354 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

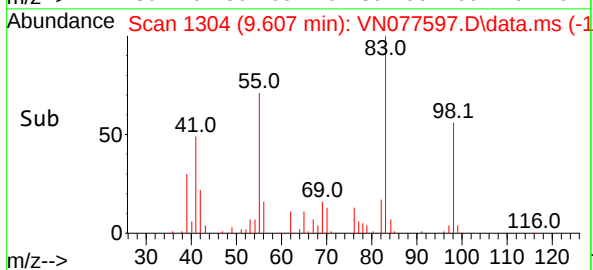
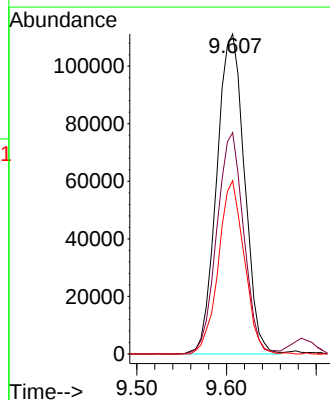
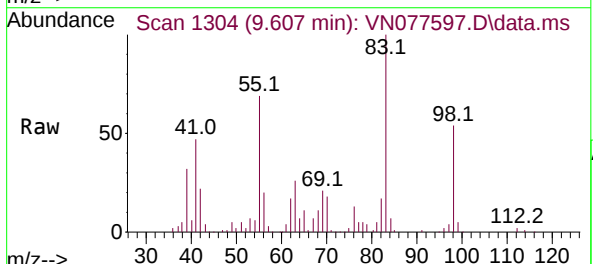
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

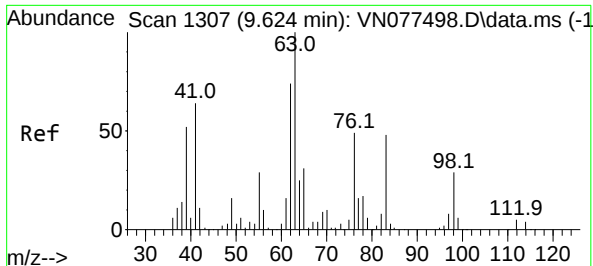
Tgt Ion:130 Resp: 143068
Ion Ratio Lower Upper
130 100
95 104.4 87.1 130.7



#38
Methylcyclohexane
Concen: 21.646 ug/l
RT: 9.607 min Scan# 1304
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 83 Resp: 238377
Ion Ratio Lower Upper
83 100
55 67.0 29.6 88.9
98 50.6 25.1 75.3





#39

1,2-Dichloropropane

Concen: 24.698 ug/l

RT: 9.624 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

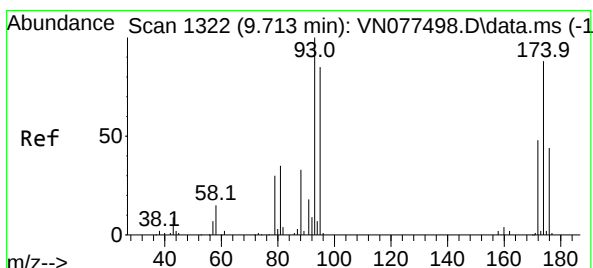
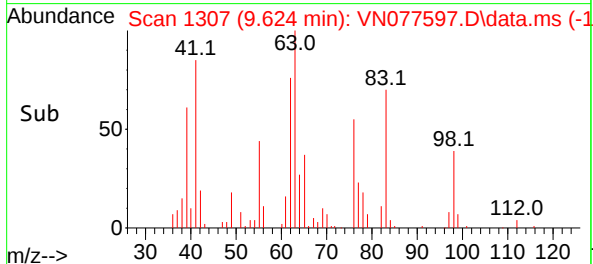
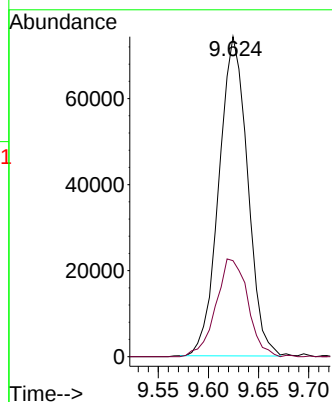
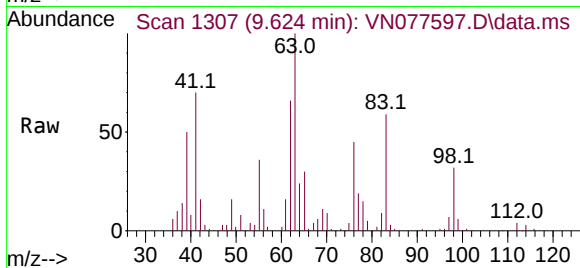
VSTDCCC020EC

Tgt Ion: 63 Resp: 147463

Ion Ratio Lower Upper

63 100

65 30.1 24.1 36.1



#40

Dibromomethane

Concen: 24.015 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

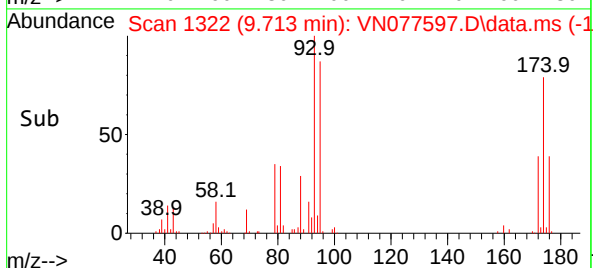
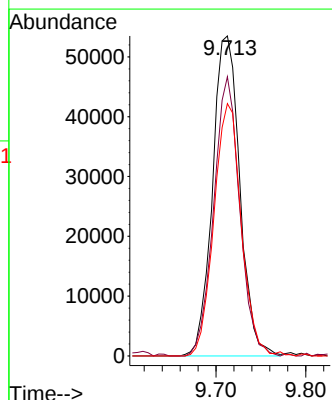
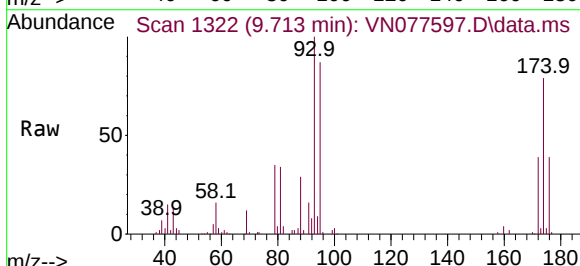
Tgt Ion: 93 Resp: 113077

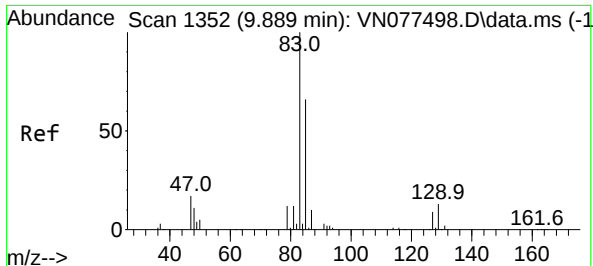
Ion Ratio Lower Upper

93 100

95 82.8 0.0 171.0

174 78.7 0.0 164.2

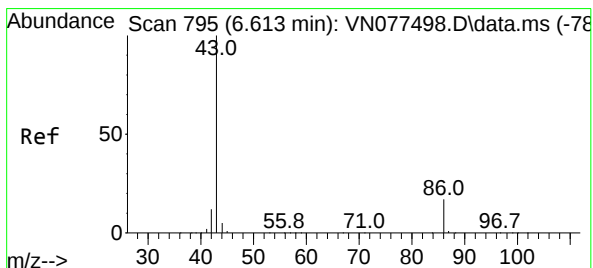
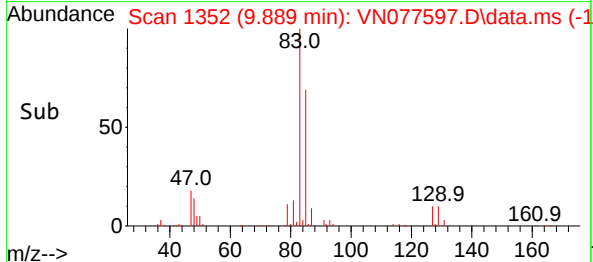
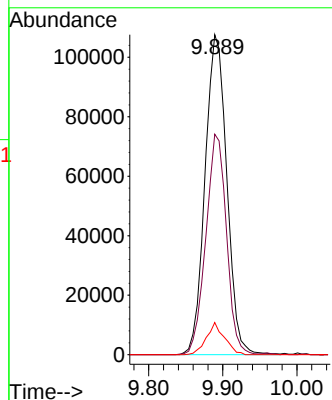
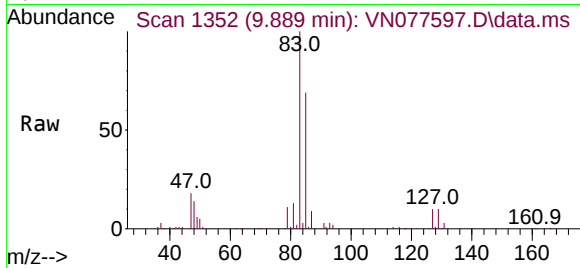




#41
Bromodichloromethane
Concen: 23.628 ug/l
RT: 9.889 min Scan# 1352
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

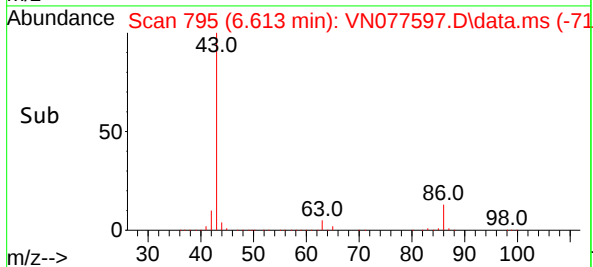
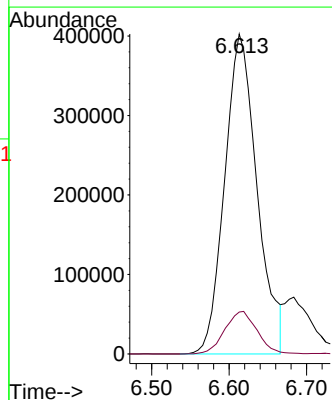
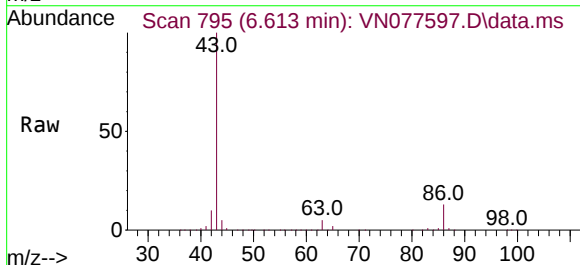
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

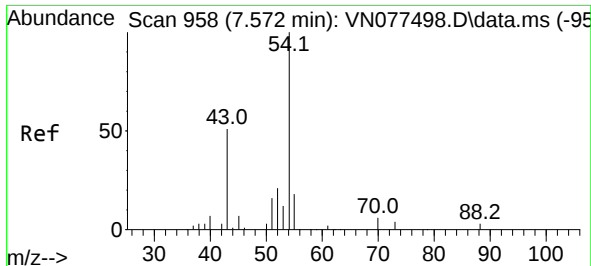
Tgt Ion: 83 Resp: 219729
Ion Ratio Lower Upper
83 100
85 68.9 49.2 73.8
127 10.0 6.1 9.1#



#42
Vinyl Acetate
Concen: 120.983 ug/l
RT: 6.613 min Scan# 795
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 43 Resp: 1170966
Ion Ratio Lower Upper
43 100
86 13.3 12.6 18.8

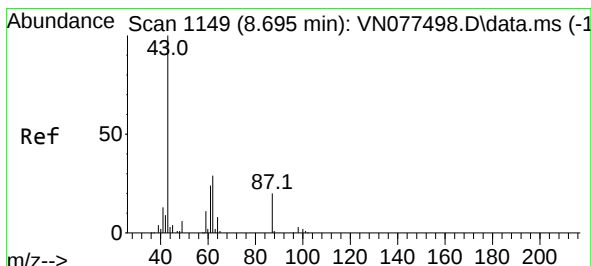
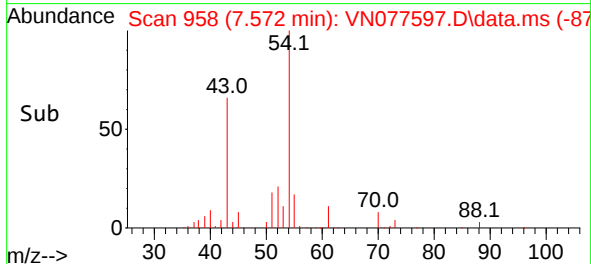
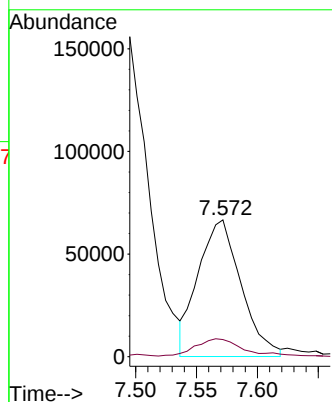
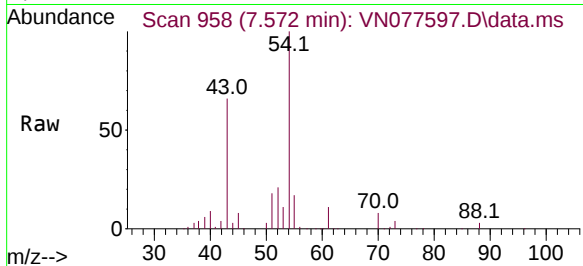




#43
Ethyl Acetate
Concen: 27.440 ug/l
RT: 7.572 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

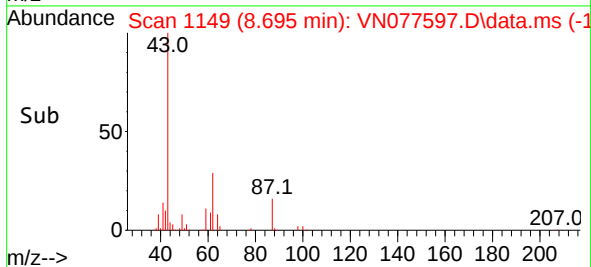
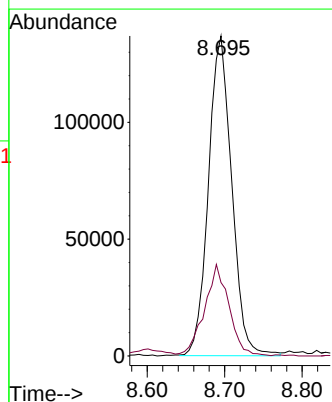
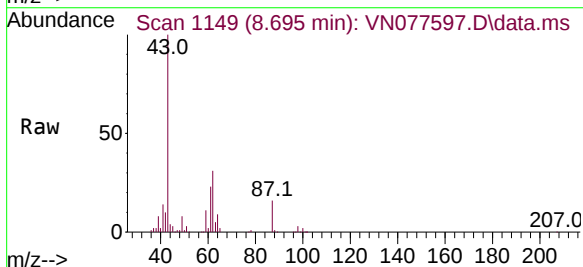
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

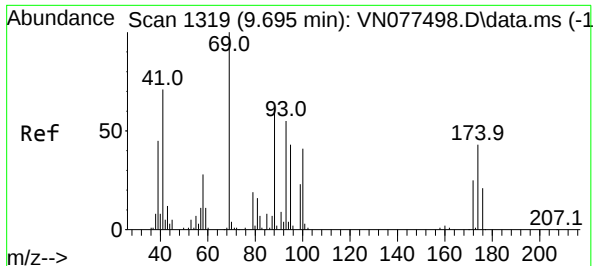
Tgt Ion: 43 Resp: 163223
Ion Ratio Lower Upper
43 100
45 13.3 4.8 7.2#



#44
Isopropyl Acetate
Concen: 27.148 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 43 Resp: 286071
Ion Ratio Lower Upper
43 100
61 30.1 27.2 40.8

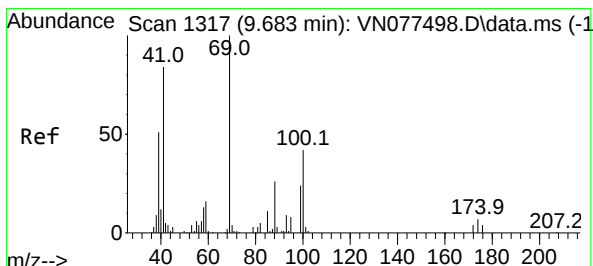
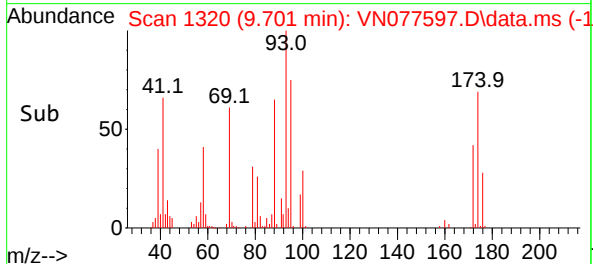
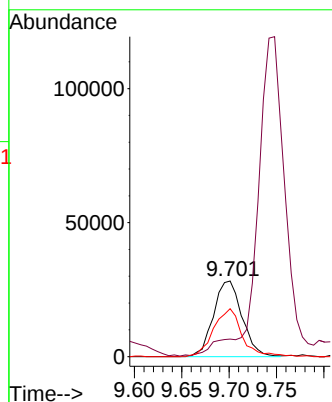
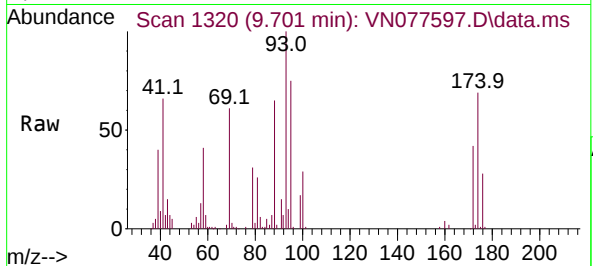




#45
1,4-Dioxane
Concen: 464.635 ug/l
RT: 9.701 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

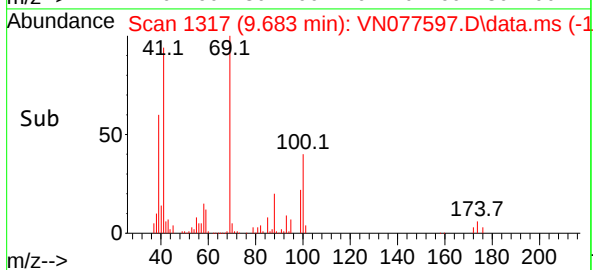
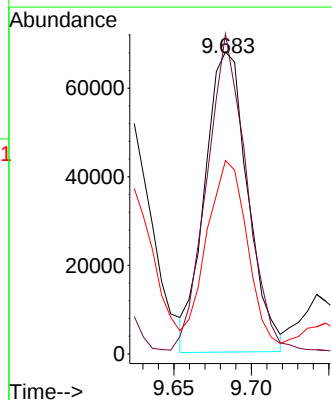
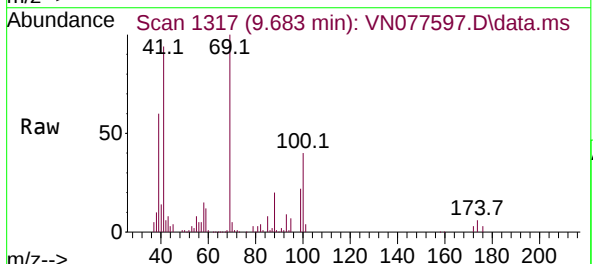
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

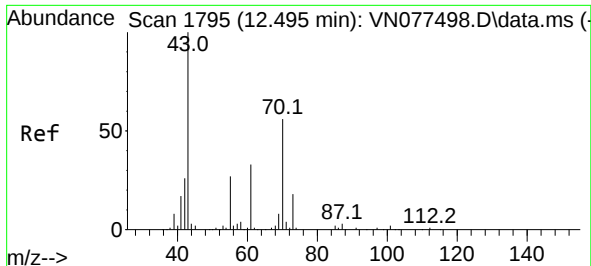
Tgt Ion: 88 Resp: 59375
Ion Ratio Lower Upper
88 100
43 19.7 16.6 24.8
58 63.3 47.3 70.9



#46
Methyl methacrylate
Concen: 27.170 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 41 Resp: 130295
Ion Ratio Lower Upper
41 100
69 109.3 59.2 177.6
39 64.8 33.4 100.1

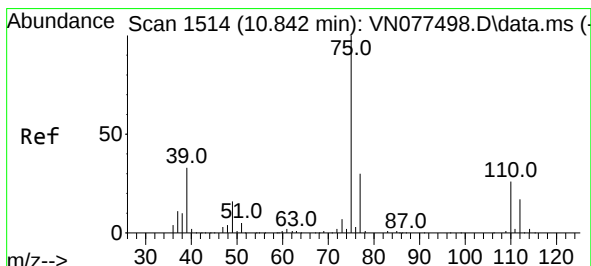
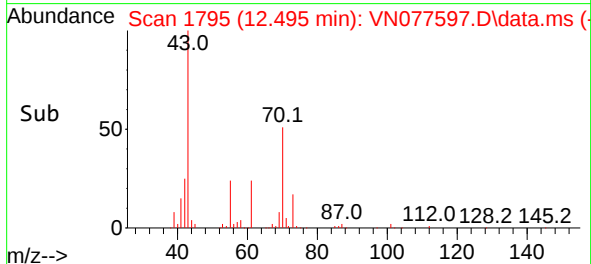
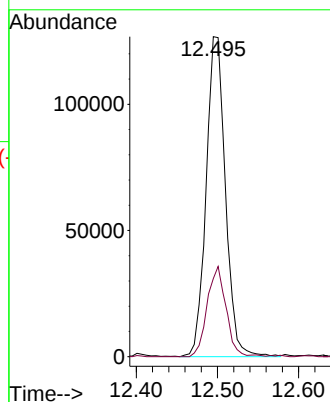
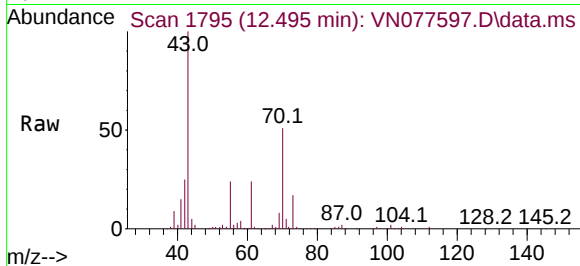




#47
n-amyl acetate
Concen: 24.781 ug/l
RT: 12.495 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

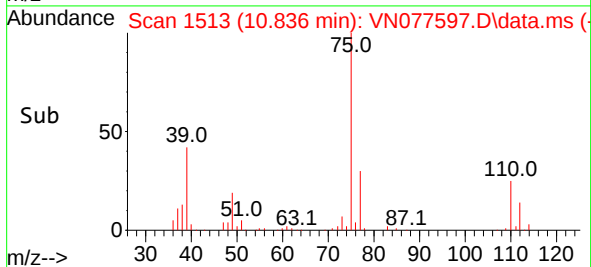
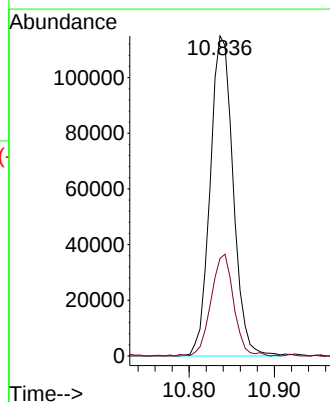
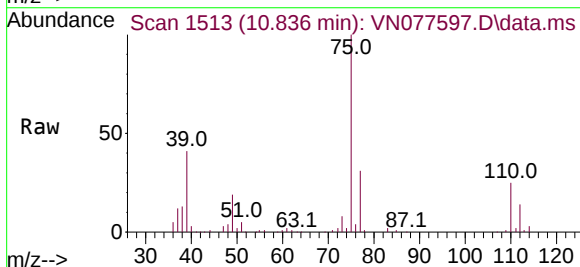
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

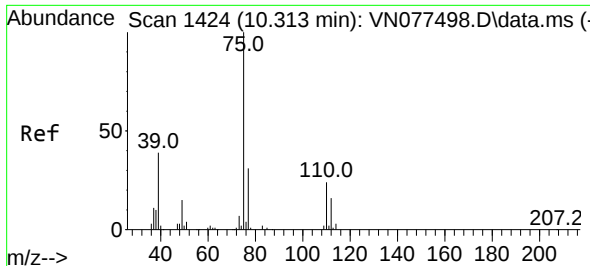
Tgt Ion: 43 Resp: 209322
Ion Ratio Lower Upper
43 100
55 27.3 22.2 33.2



#48
t-1,3-Dichloropropene
Concen: 22.748 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 75 Resp: 215378
Ion Ratio Lower Upper
75 100
77 30.5 23.9 35.9





#49

cis-1,3-Dichloropropene

Concen: 23.260 ug/l

RT: 10.313 min Scan# 1424

Delta R.T. -0.000 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

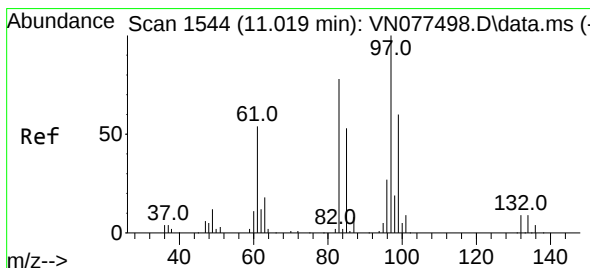
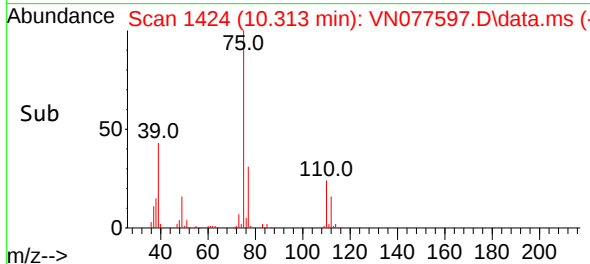
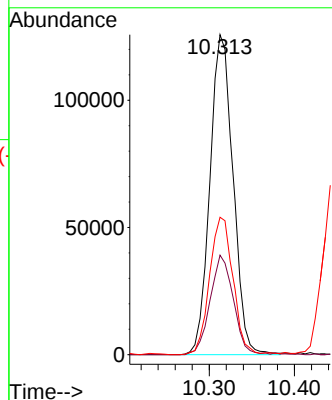
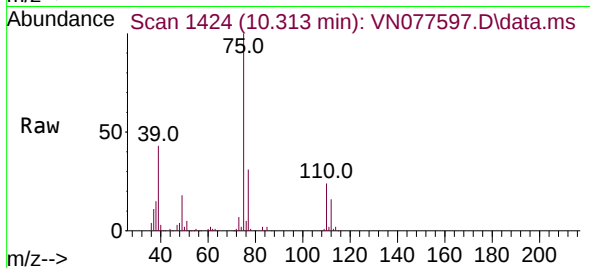
Tgt Ion: 75 Resp: 237721

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.8

39 42.9 28.5 42.7#



#50

1,1,2-Trichloroethane

Concen: 23.460 ug/l

RT: 11.018 min Scan# 1544

Delta R.T. -0.001 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Tgt Ion: 97 Resp: 156808

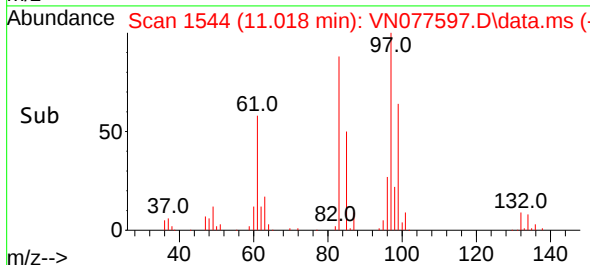
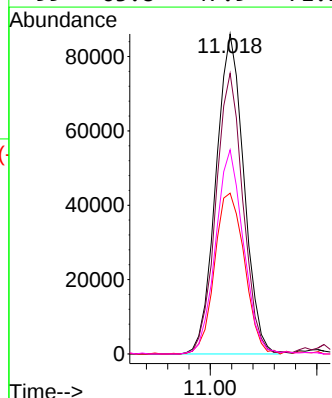
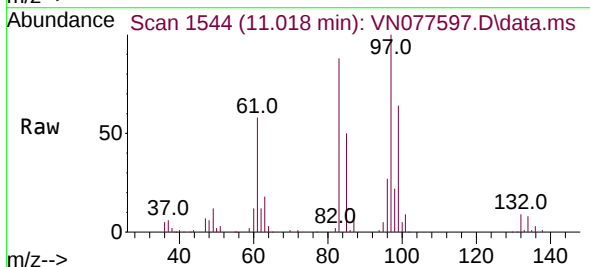
Ion Ratio Lower Upper

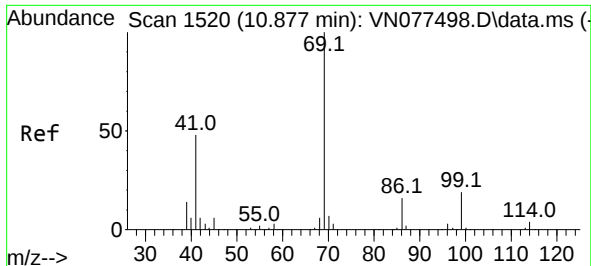
97 100

83 87.7 67.0 100.6

85 50.2 41.6 62.4

99 63.8 47.9 71.9

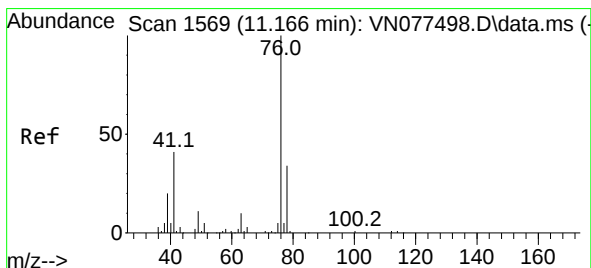
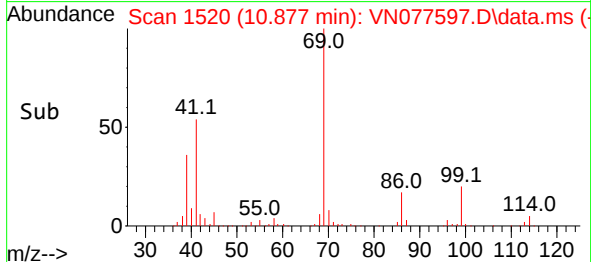
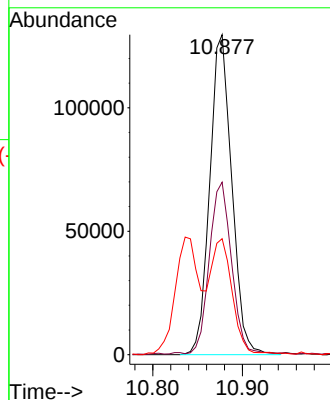
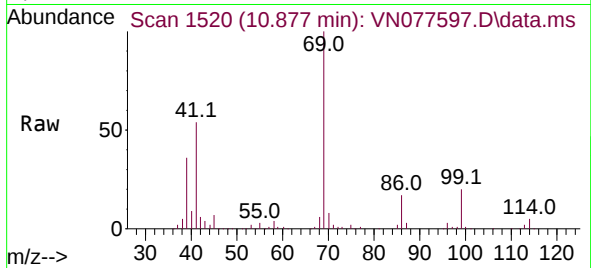




#51
Ethyl methacrylate
Concen: 23.886 ug/l
RT: 10.877 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

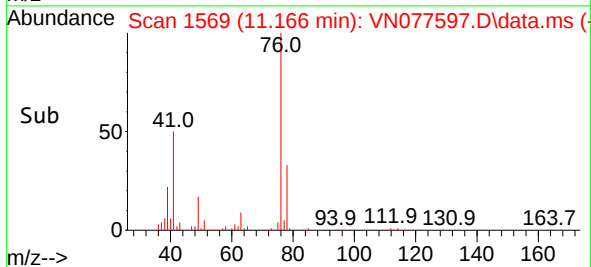
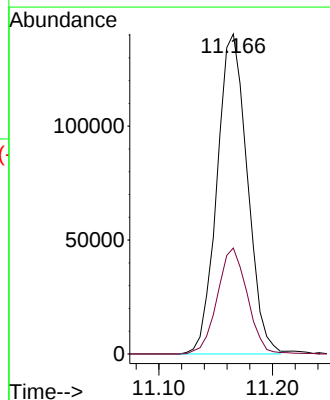
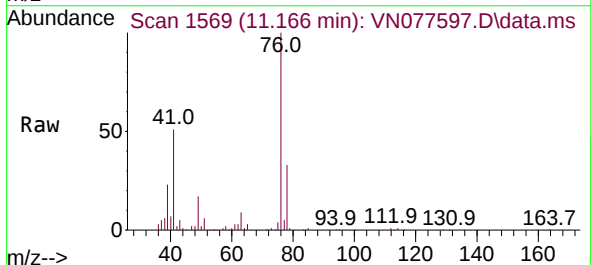
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

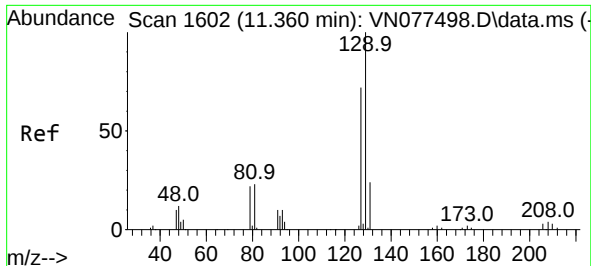
Tgt Ion: 69 Resp: 221038
Ion Ratio Lower Upper
69 100
41 53.3 22.5 67.5
39 35.8 16.2 48.5



#52
1,3-Dichloropropane
Concen: 23.991 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 76 Resp: 260222
Ion Ratio Lower Upper
76 100
78 32.8 0.0 64.4

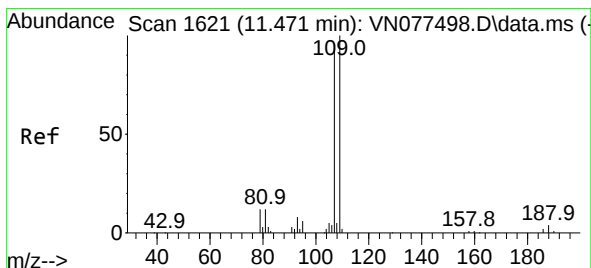
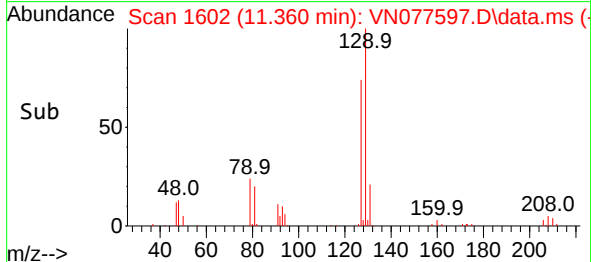
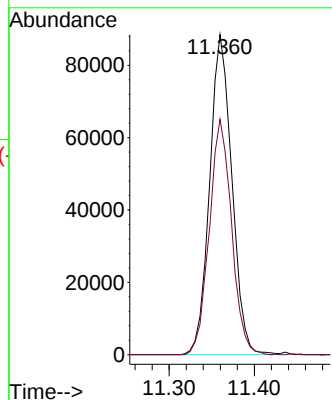
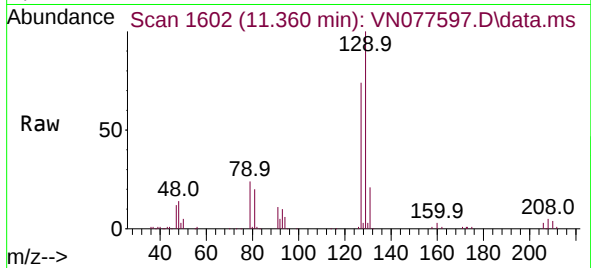




#53
Dibromochloromethane
Concen: 23.293 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

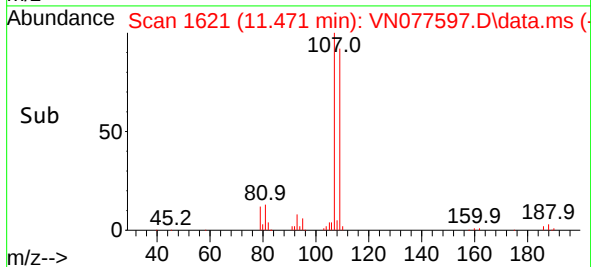
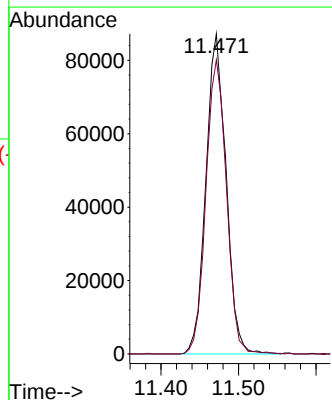
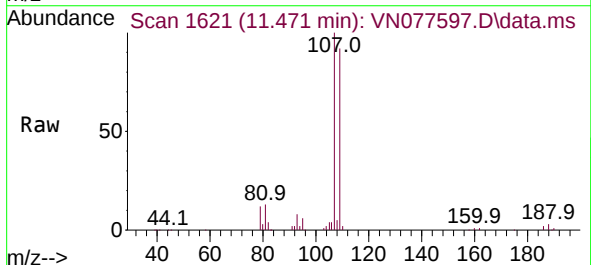
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

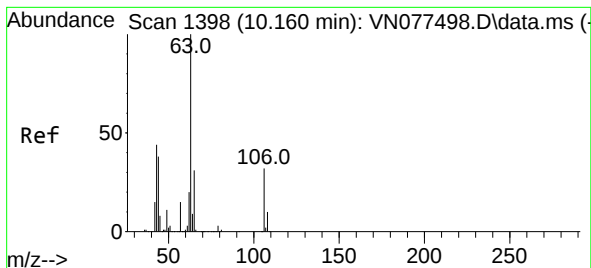
Tgt Ion:129 Resp: 160291
Ion Ratio Lower Upper
129 100
127 73.6 38.2 114.6



#54
1,2-Dibromoethane
Concen: 23.042 ug/l
RT: 11.471 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion:107 Resp: 157614
Ion Ratio Lower Upper
107 100
109 92.8 73.8 110.6

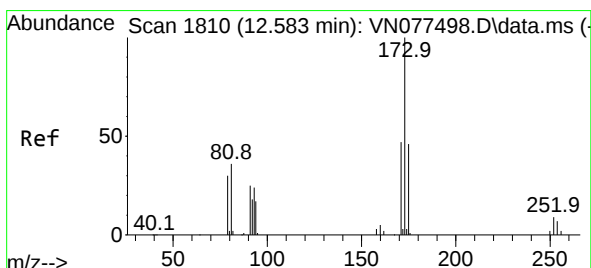
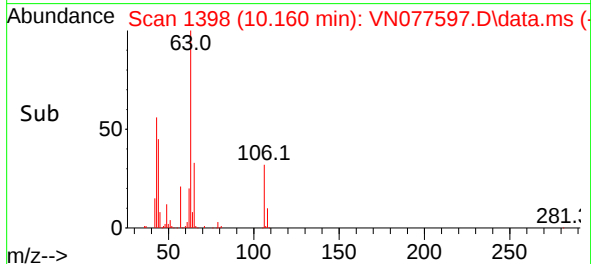
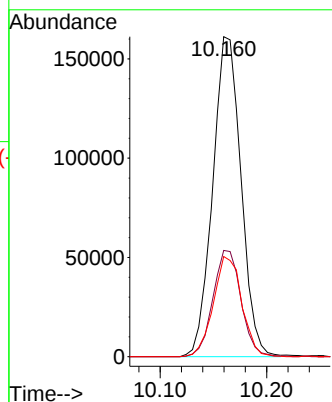
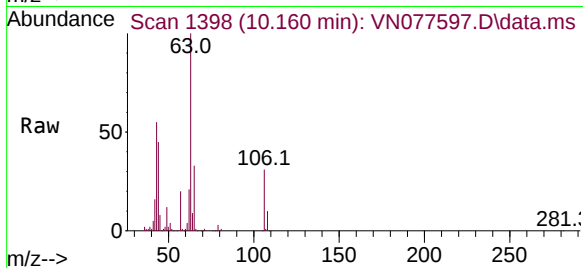




#55
2-Chloroethyl vinyl ether
Concen: 97.963 ug/l
RT: 10.160 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

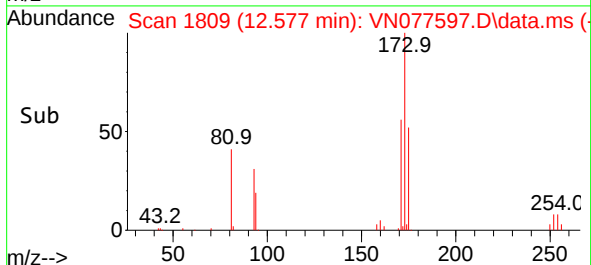
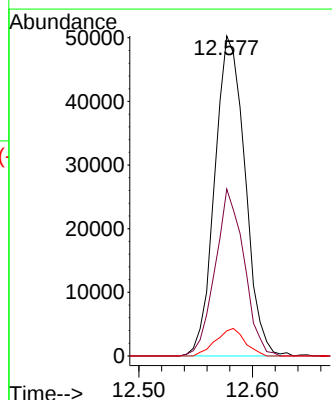
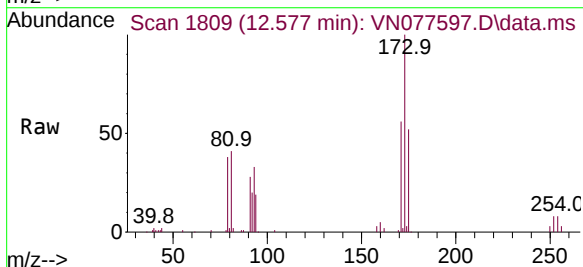
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

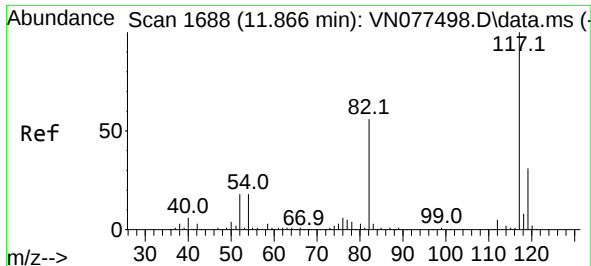
Tgt Ion: 63 Resp: 297475
Ion Ratio Lower Upper
63 100
65 32.9 25.8 38.6
106 31.5 26.2 39.2



#56
Bromoform
Concen: 21.669 ug/l
RT: 12.577 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 173 Resp: 93010
Ion Ratio Lower Upper
173 100
175 49.8 40.3 60.5
254 8.3 5.0 7.6#

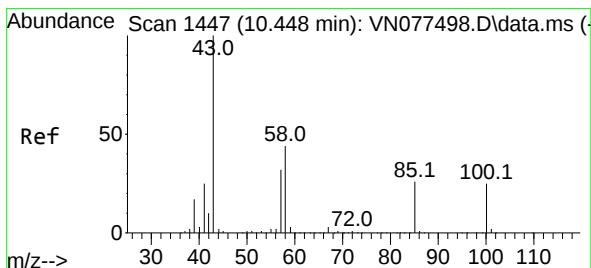
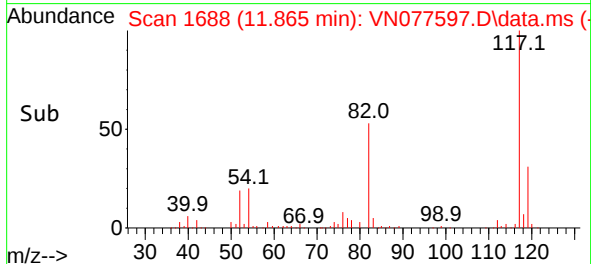
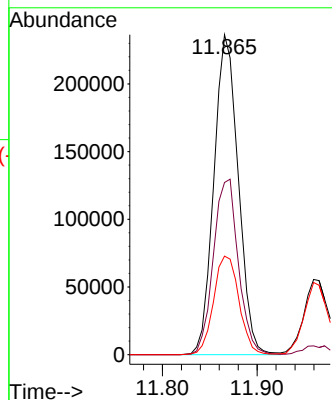
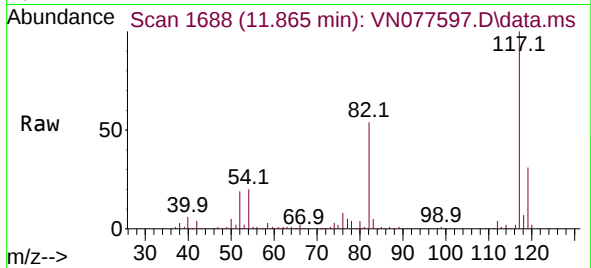




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

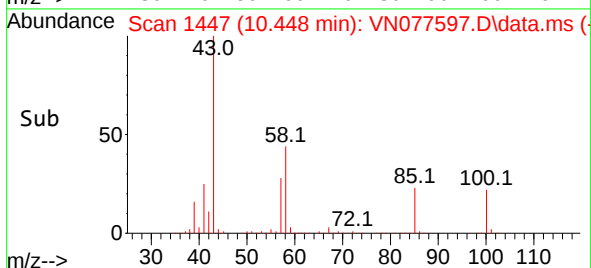
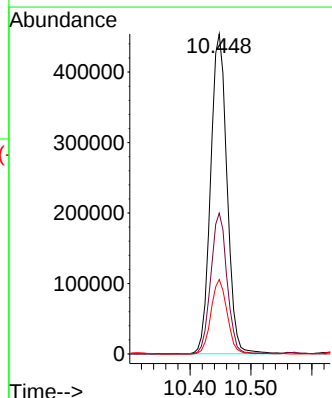
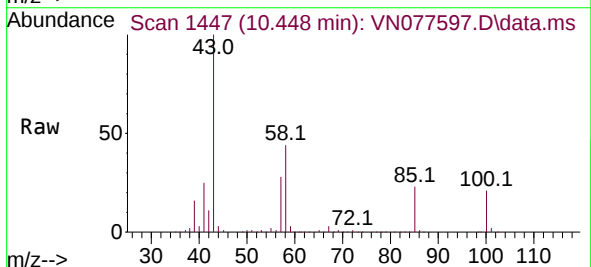
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

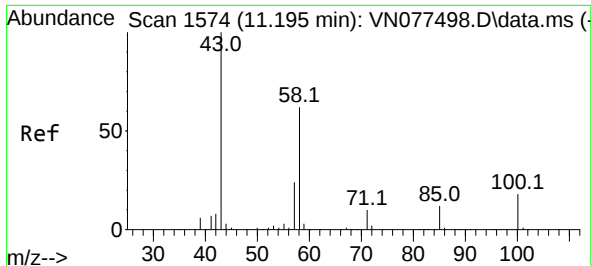
Tgt Ion:117 Resp: 422841
Ion Ratio Lower Upper
117 100
82 56.2 44.2 66.2
119 32.1 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 139.465 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 43 Resp: 849275
Ion Ratio Lower Upper
43 100
58 43.5 37.2 55.8
85 22.9 21.1 31.7

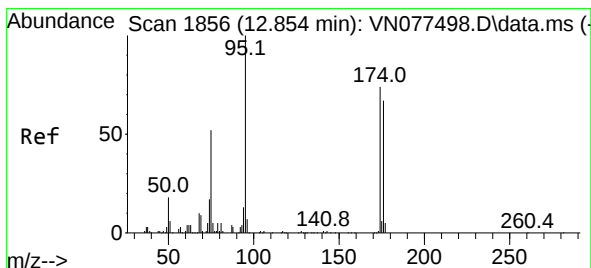
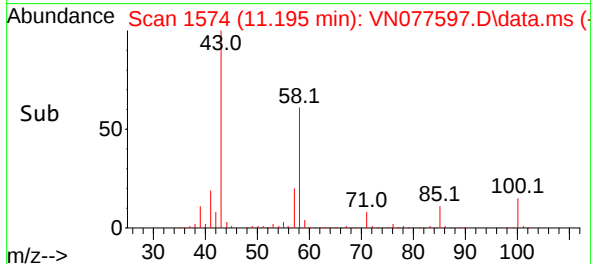
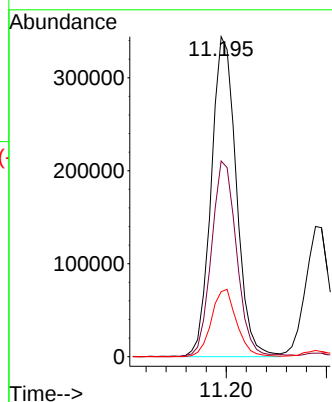
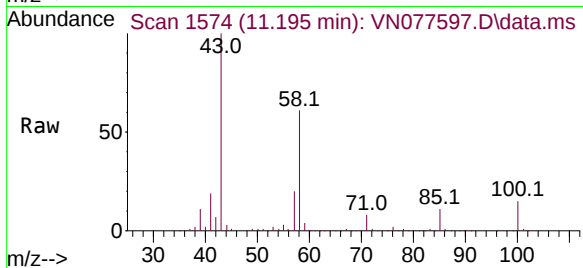




#59
2-Hexanone
Concen: 133.638 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

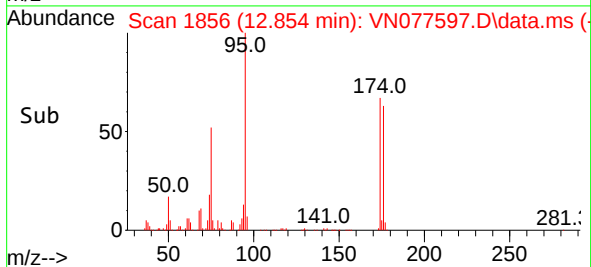
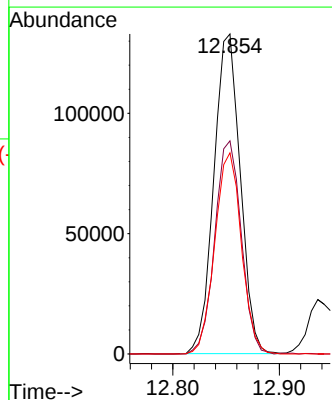
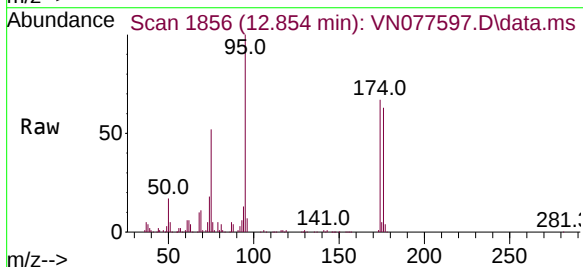
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

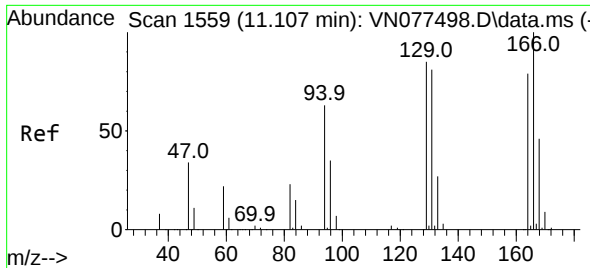
Tgt Ion: 43 Resp: 599564
Ion Ratio Lower Upper
43 100
58 61.6 51.8 77.8
57 21.2 18.2 27.4



#60
4-Bromofluorobenzene
Concen: 30.882 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 95 Resp: 228772
Ion Ratio Lower Upper
95 100
174 66.6 55.9 83.9
176 63.4 53.9 80.9

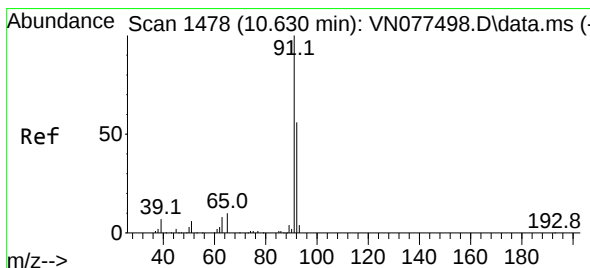
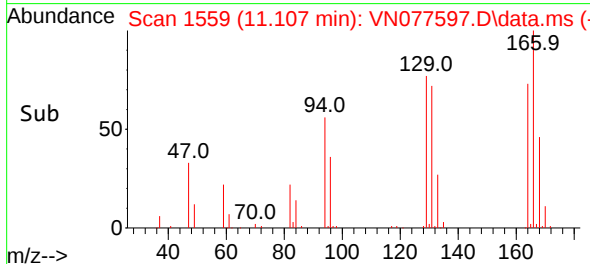
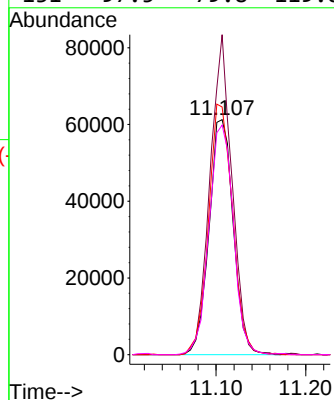
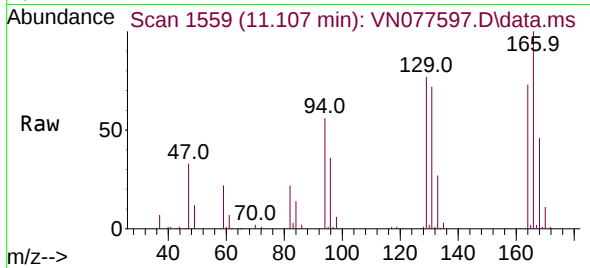




#61
Tetrachloroethene
Concen: 23.177 ug/l
RT: 11.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

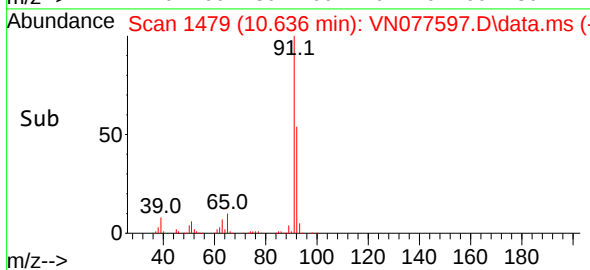
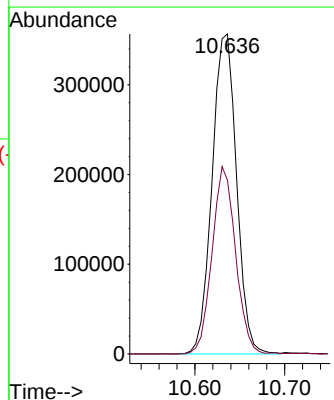
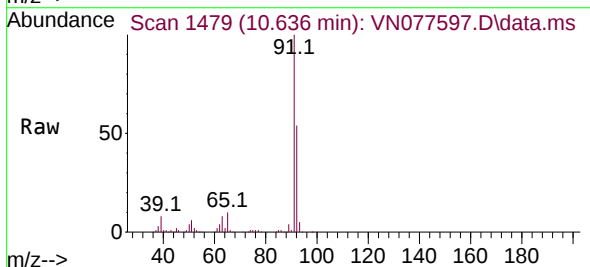
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

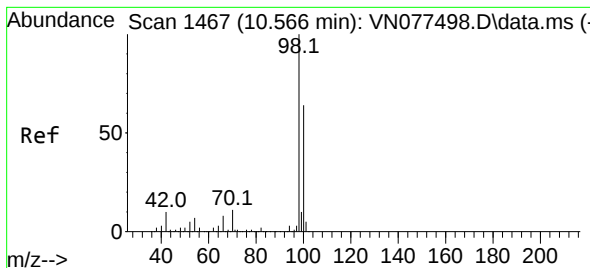
Tgt Ion:164 Resp: 114472
Ion Ratio Lower Upper
164 100
166 136.2 94.5 141.7
129 105.4 80.2 120.2
131 97.5 79.8 119.8



#62
Toluene
Concen: 23.738 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 91 Resp: 675069
Ion Ratio Lower Upper
91 100
92 56.2 46.1 69.1





#63

Toluene-d8

Concen: 30.106 ug/l

RT: 10.571 min Scan# 1468

Delta R.T. 0.005 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

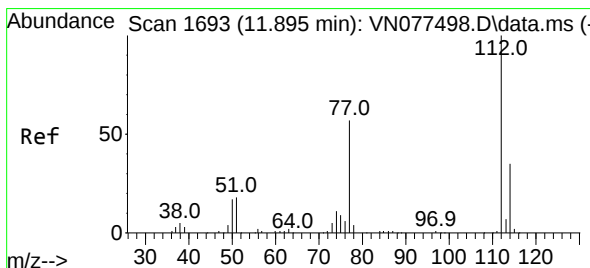
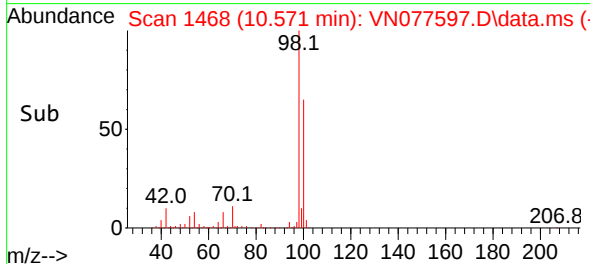
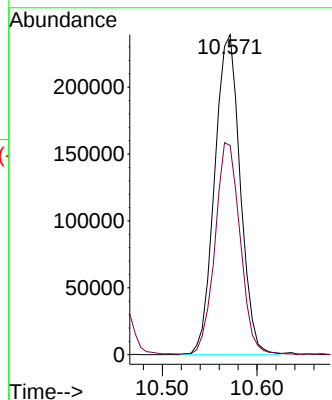
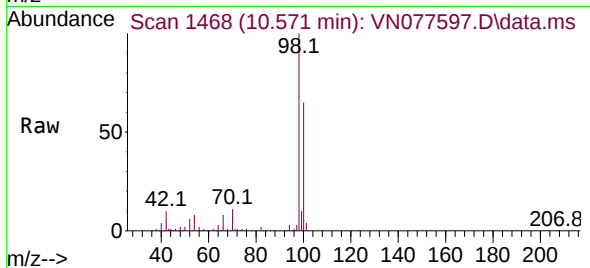
VSTDCCC020EC

Tgt Ion: 98 Resp: 448569

Ion Ratio Lower Upper

98 100

100 65.4 51.0 76.4



#64

Chlorobenzene

Concen: 22.863 ug/l

RT: 11.895 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VN077597.D

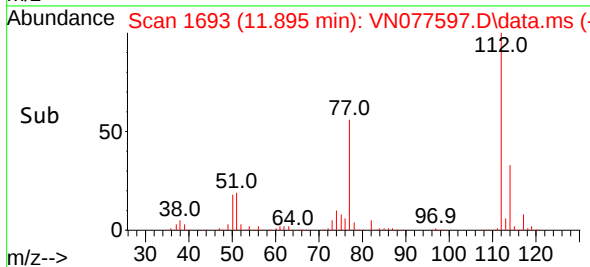
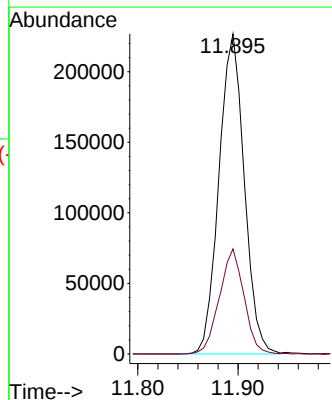
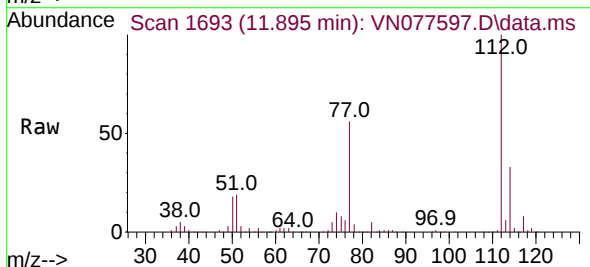
Acq: 05 May 2023 17:41

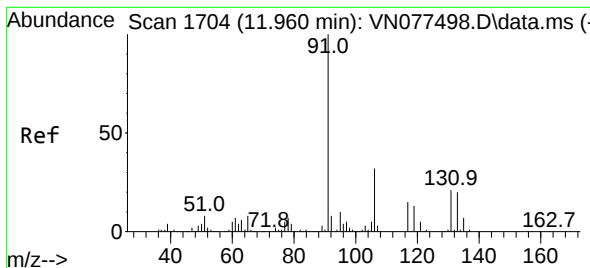
Tgt Ion: 112 Resp: 397189

Ion Ratio Lower Upper

112 100

114 32.9 23.9 35.9

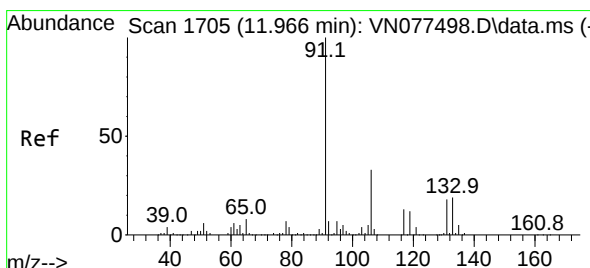
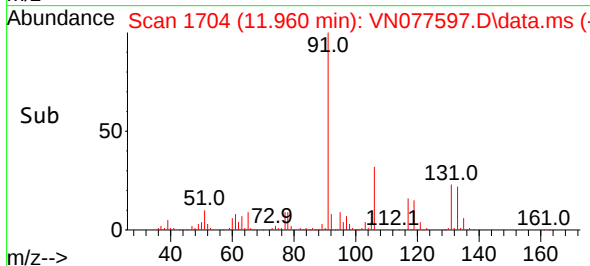
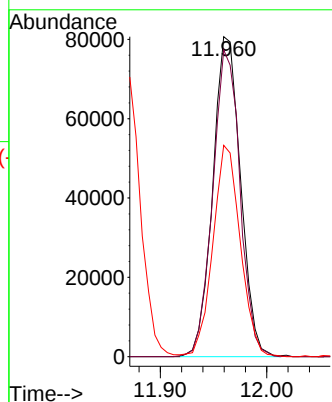
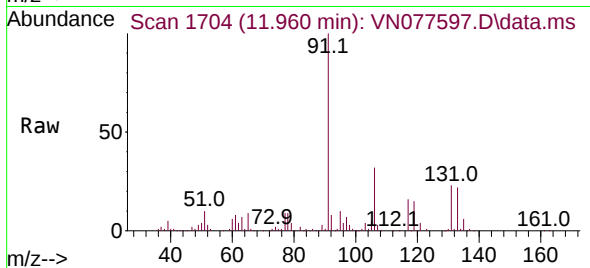




#65
 1,1,1,2-Tetrachloroethane
 Concen: 23.506 ug/l
 RT: 11.960 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN077597.D
 Acq: 05 May 2023 17:41

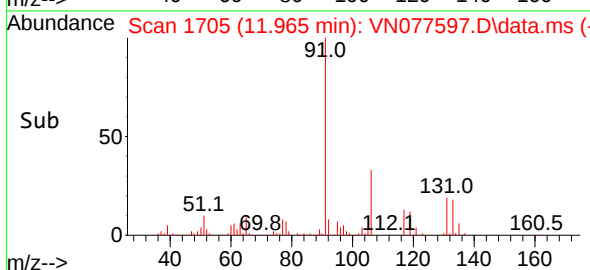
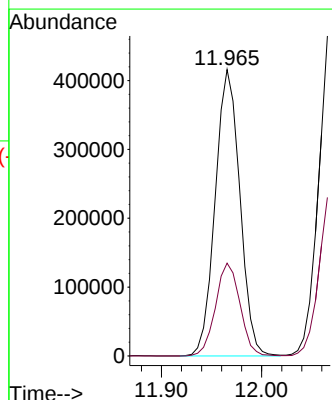
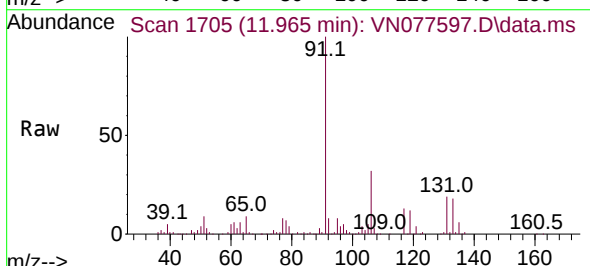
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

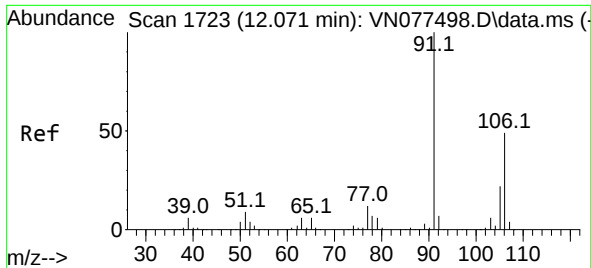
Tgt Ion:131 Resp: 145938
 Ion Ratio Lower Upper
 131 100
 133 94.2 0.0 191.4
 119 65.2 0.0 137.2



#66
 Ethyl Benzene
 Concen: 22.883 ug/l
 RT: 11.965 min Scan# 1705
 Delta R.T. -0.001 min
 Lab File: VN077597.D
 Acq: 05 May 2023 17:41

Tgt Ion: 91 Resp: 710560
 Ion Ratio Lower Upper
 91 100
 106 32.4 24.9 37.3





#67

m/p-Xylenes

Concen: 44.757 ug/l

RT: 12.071 min Scan# 1723

Delta R.T. 0.000 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

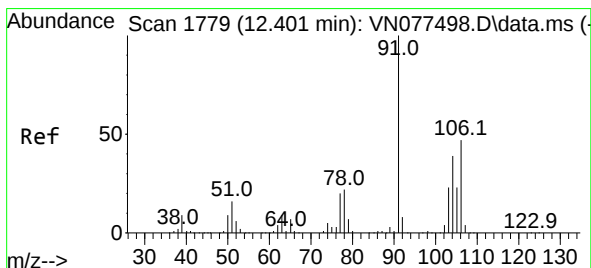
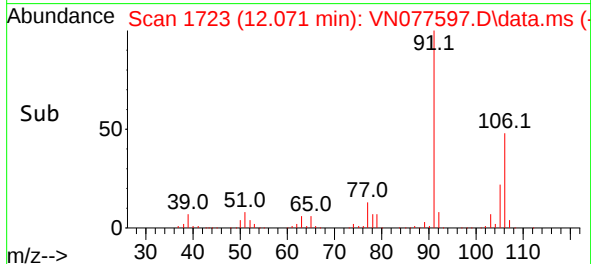
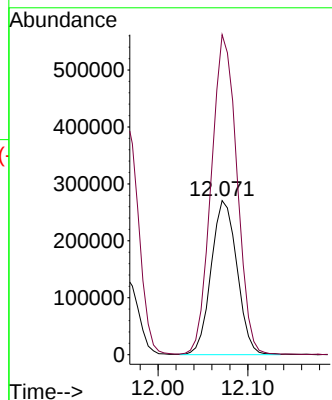
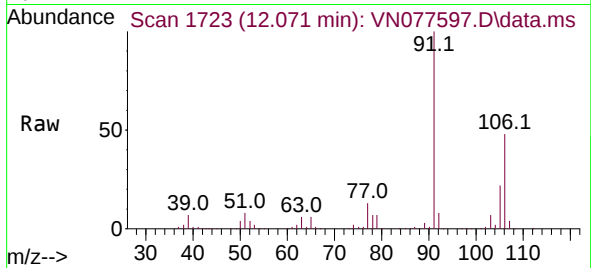
VSTDCCC020EC

Tgt Ion:106 Resp: 541193

Ion Ratio Lower Upper

106 100

91 206.9 157.9 236.9



#68

o-Xylene

Concen: 22.438 ug/l

RT: 12.401 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VN077597.D

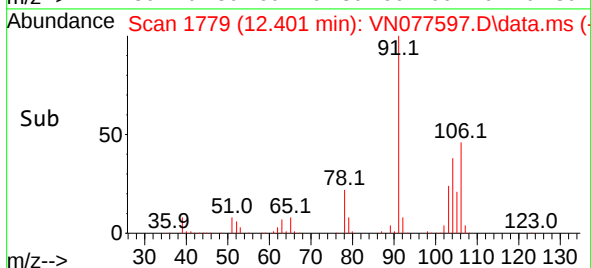
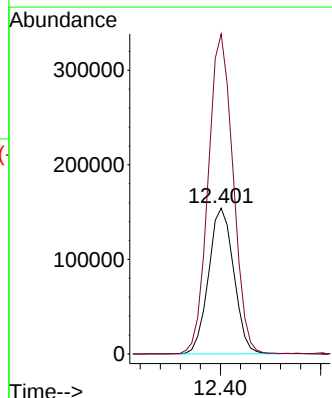
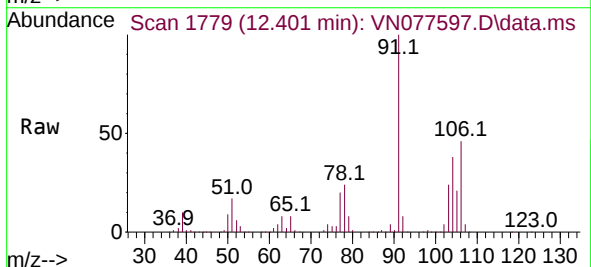
Acq: 05 May 2023 17:41

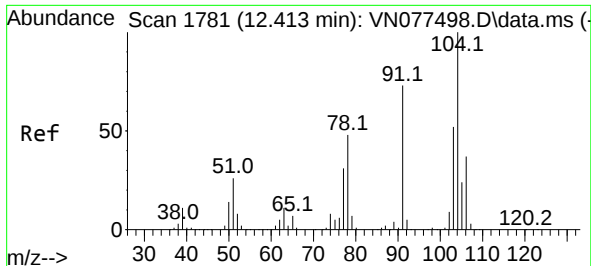
Tgt Ion:106 Resp: 269498

Ion Ratio Lower Upper

106 100

91 217.1 104.6 313.8

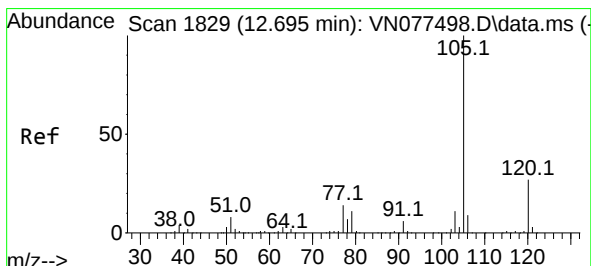
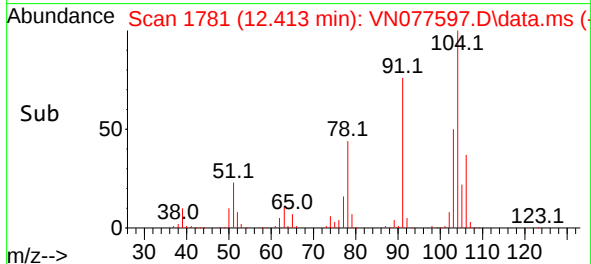
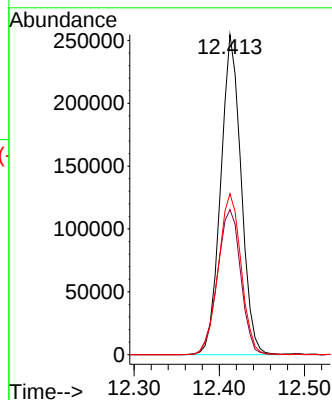
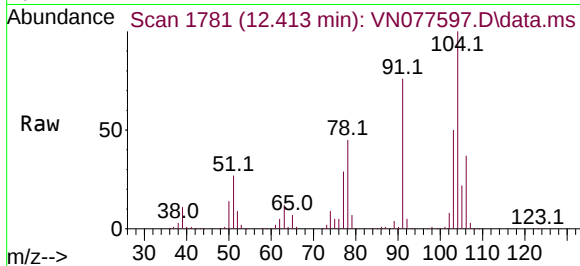




#69
Styrene
Concen: 22.749 ug/l
RT: 12.413 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

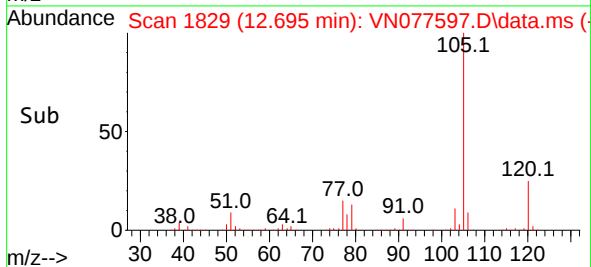
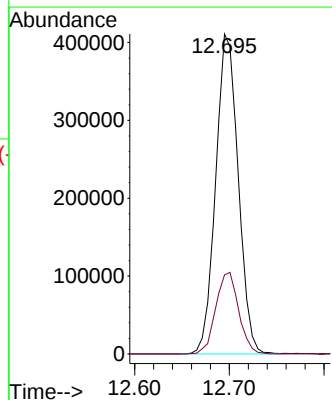
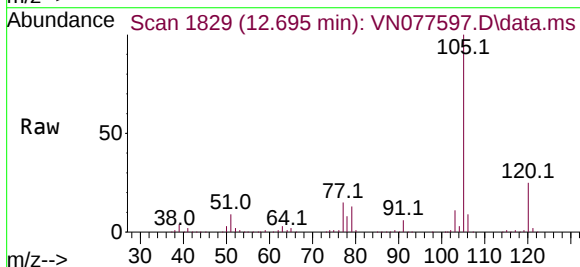
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

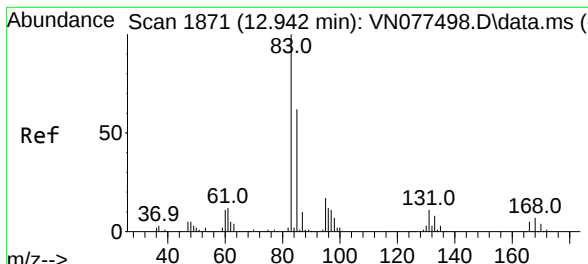
Tgt Ion:104 Resp: 424874
Ion Ratio Lower Upper
104 100
78 51.7 39.3 58.9
103 55.9 44.6 66.8



#70
Isopropylbenzene
Concen: 22.319 ug/l
RT: 12.695 min Scan# 1829
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion:105 Resp: 680432
Ion Ratio Lower Upper
105 100
120 25.9 18.7 34.7

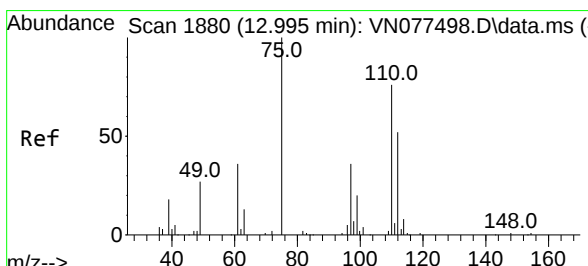
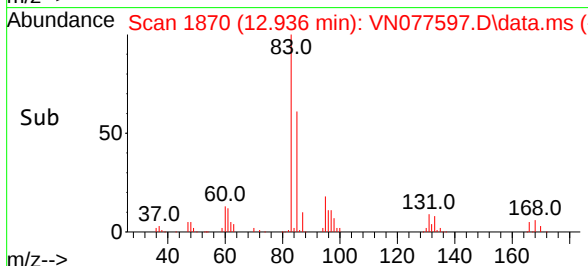
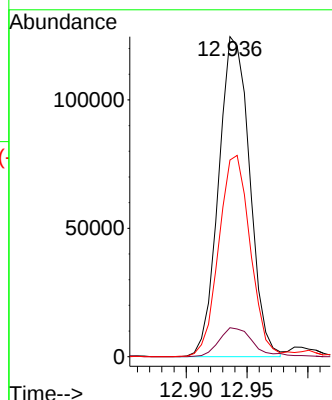
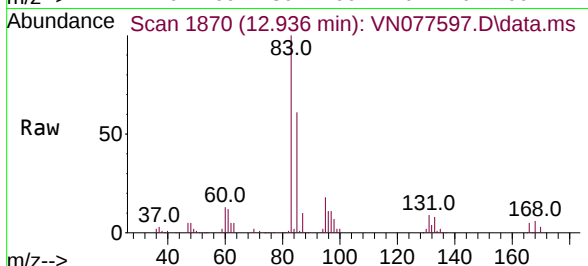




#71
1,1,2,2-Tetrachloroethane
Concen: 23.818 ug/l
RT: 12.936 min Scan# 1871
Delta R.T. -0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

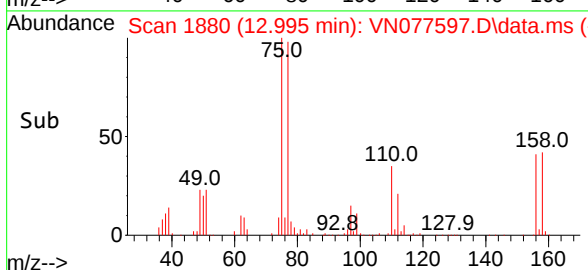
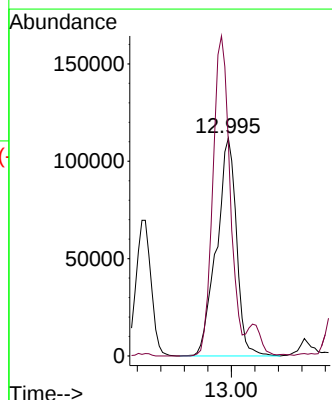
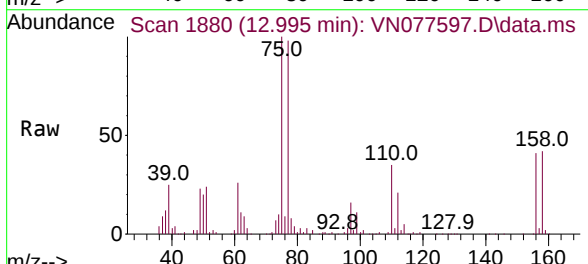
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

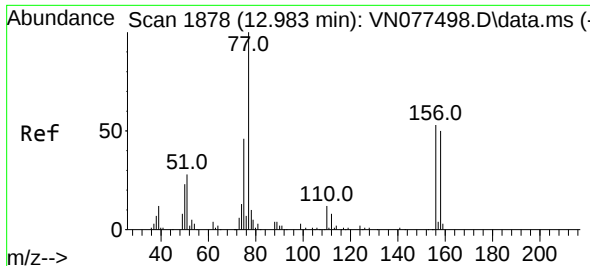
Tgt Ion: 83 Resp: 221193
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 63.7 31.6 94.8



#72
1,2,3-Trichloropropane
Concen: 33.364 ug/l
RT: 12.995 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 75 Resp: 263558
Ion Ratio Lower Upper
75 100
77 125.7 0.0 367.2

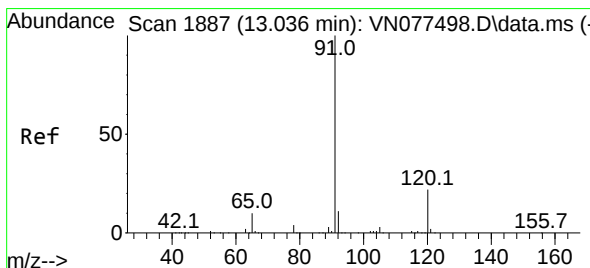
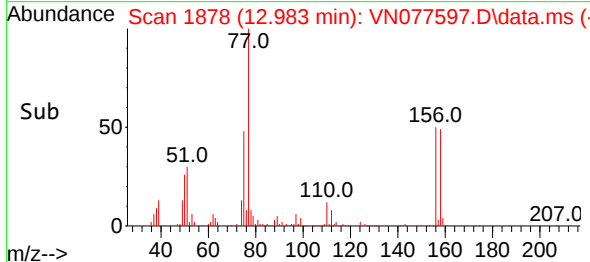
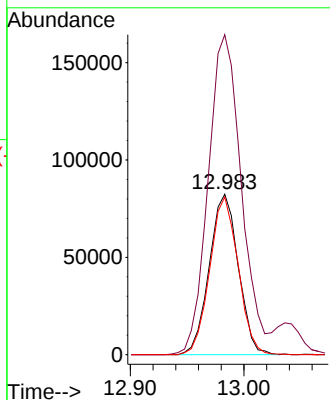
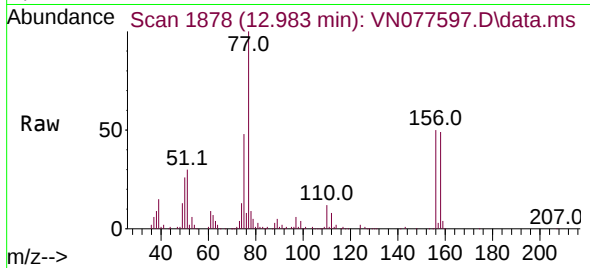




#73
Bromobenzene
Concen: 22.319 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

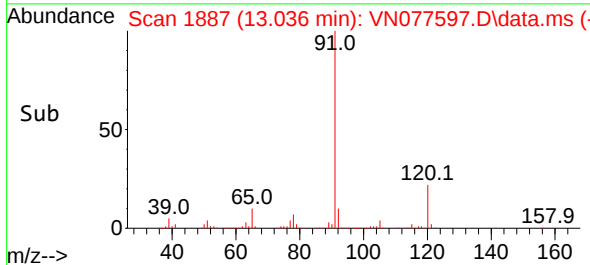
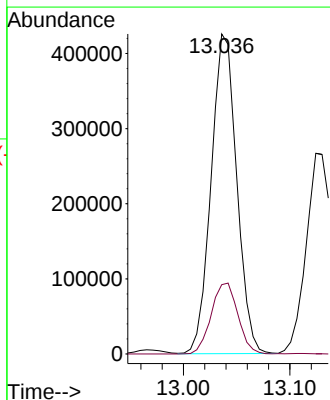
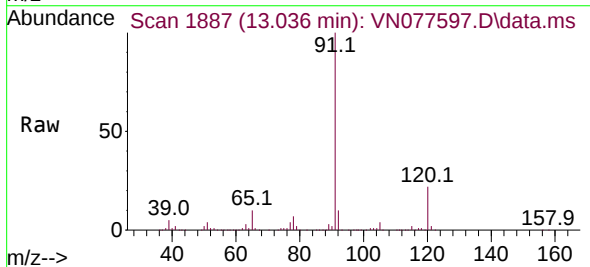
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

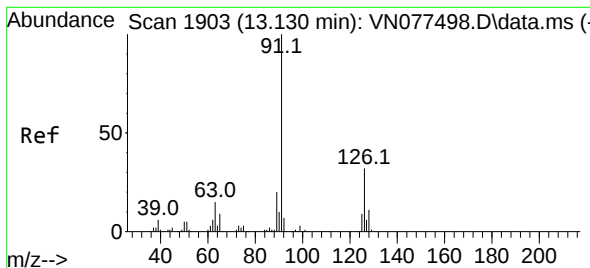
Tgt Ion:156 Resp: 146324
Ion Ratio Lower Upper
156 100
77 226.4 0.0 431.6
158 95.9 0.0 192.4



#74
n-propylbenzene
Concen: 20.948 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 91 Resp: 710670
Ion Ratio Lower Upper
91 100
120 22.9 0.0 46.4





#75

2-Chlorotoluene

Concen: 22.189 ug/l

RT: 13.124 min Scan# 1902

Delta R.T. -0.006 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

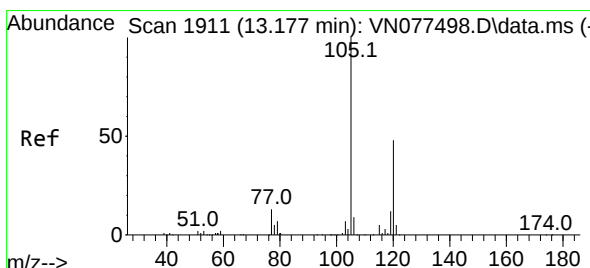
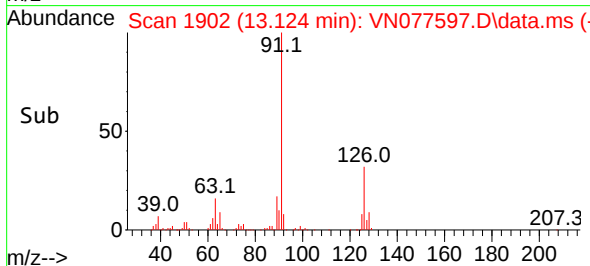
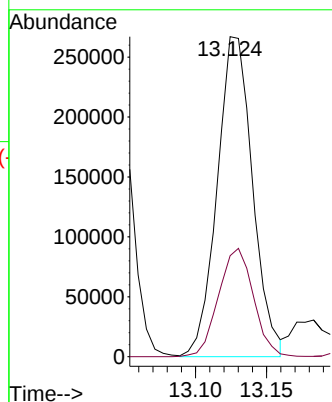
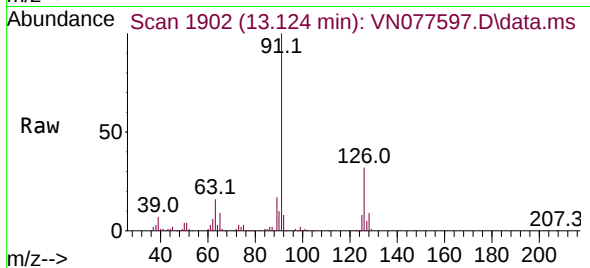
VSTDCCC020EC

Tgt Ion: 91 Resp: 464306

Ion Ratio Lower Upper

91 100

126 33.3 0.0 65.2



#76

1,3,5-Trimethylbenzene

Concen: 19.204 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VN077597.D

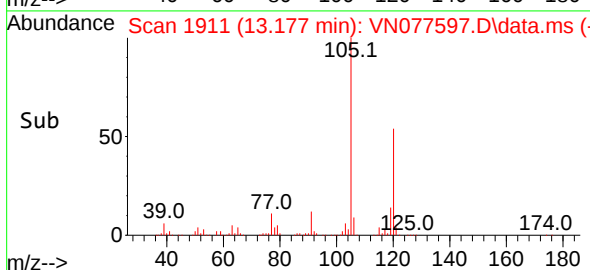
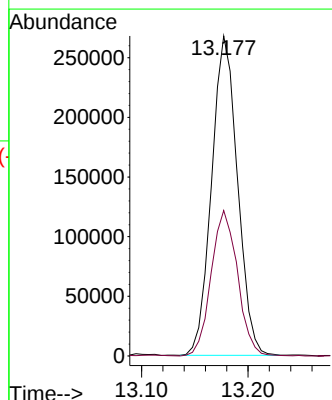
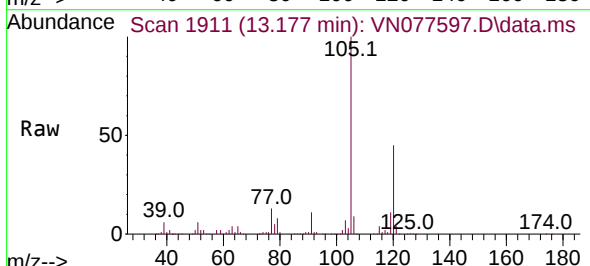
Acq: 05 May 2023 17:41

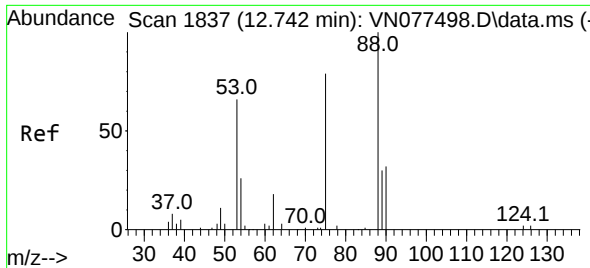
Tgt Ion:105 Resp: 451304

Ion Ratio Lower Upper

105 100

120 46.5 0.0 93.8

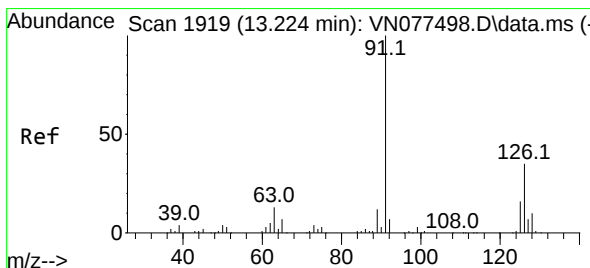
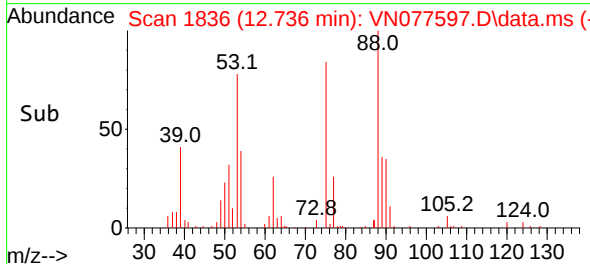
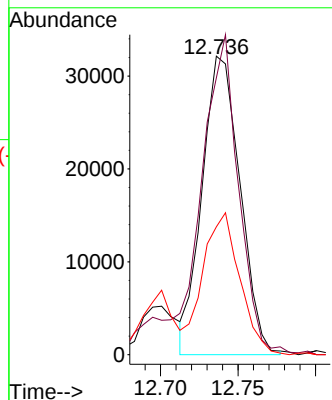
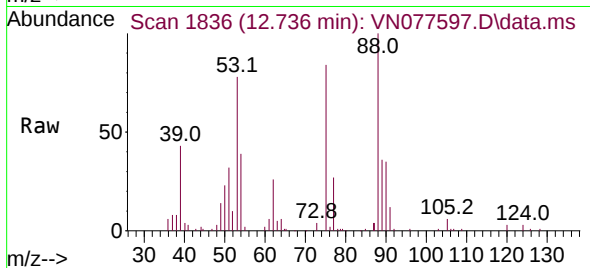




#77
t-1,4-Dichloro-2-butene
Concen: 21.013 ug/l
RT: 12.736 min Scan# 1836
Delta R.T. -0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

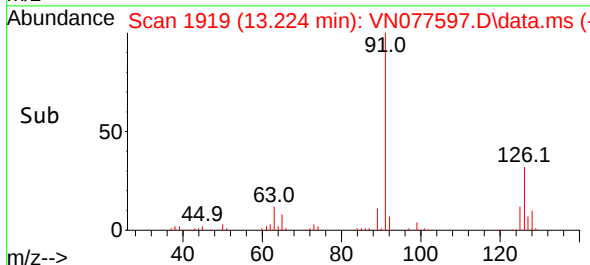
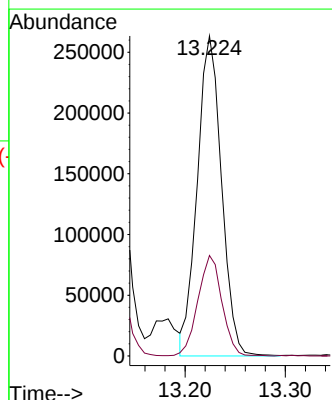
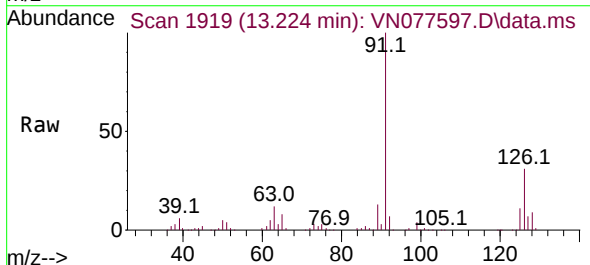
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

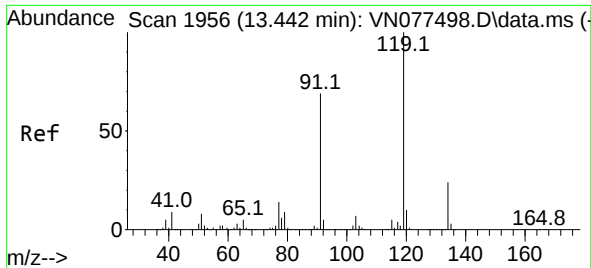
Tgt Ion: 75 Resp: 54826
Ion Ratio Lower Upper
75 100
53 91.2 38.2 114.6
89 42.8 22.1 66.1



#78
4-Chlorotoluene
Concen: 22.383 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 91 Resp: 443419
Ion Ratio Lower Upper
91 100
126 31.0 0.0 65.6

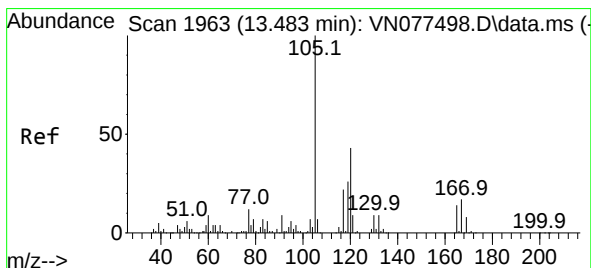
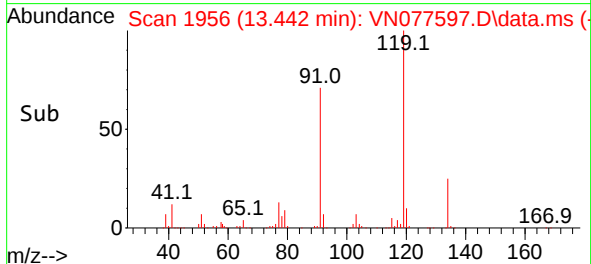
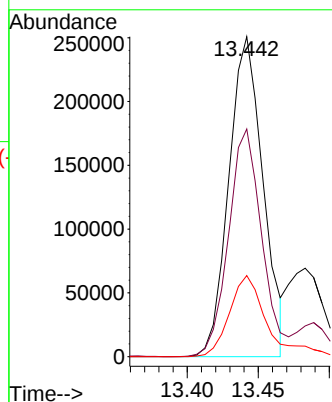
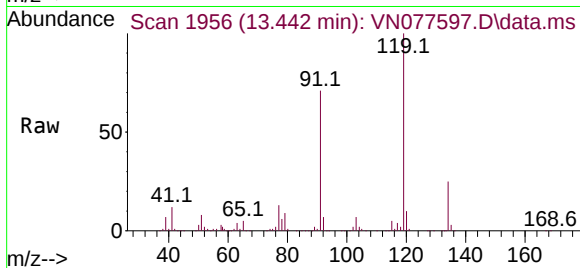




#79
tert-butylbenzene
Concen: 19.308 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

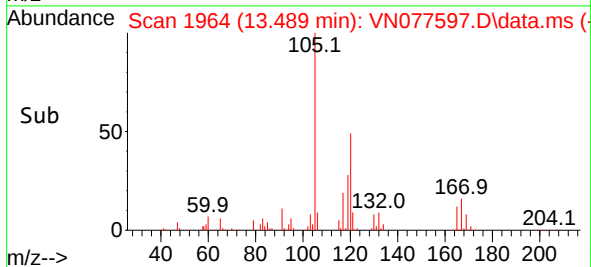
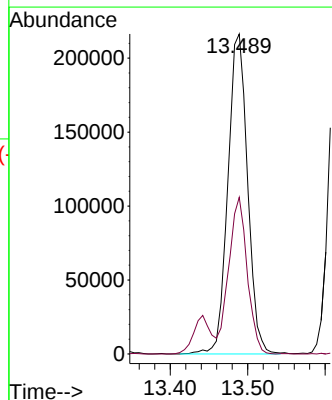
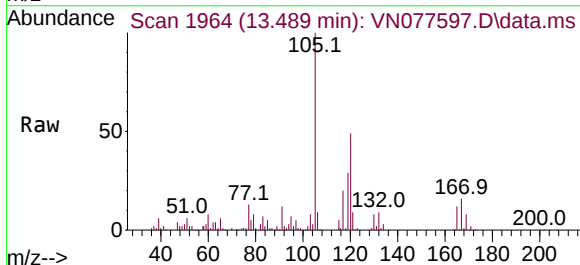
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

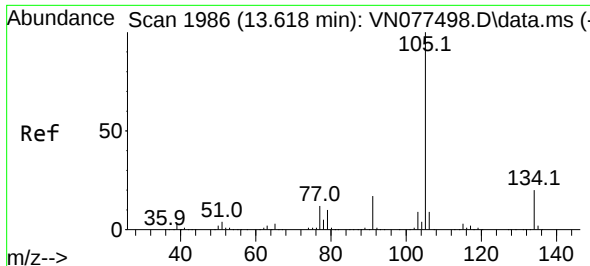
Tgt Ion:119 Resp: 419744
Ion Ratio Lower Upper
119 100
91 69.4 0.0 139.4
134 26.0 0.0 49.2



#80
1,2,4-Trimethylbenzene
Concen: 17.695 ug/l
RT: 13.489 min Scan# 1964
Delta R.T. 0.006 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion:105 Resp: 382446
Ion Ratio Lower Upper
105 100
120 45.9 0.0 87.8

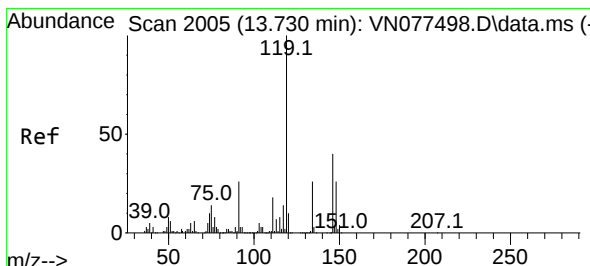
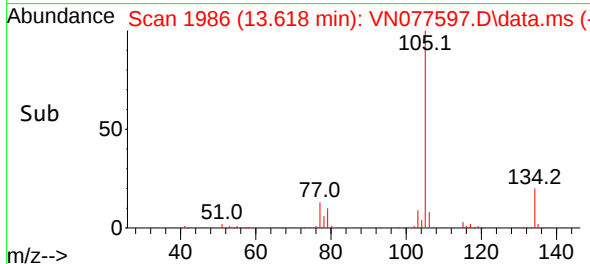
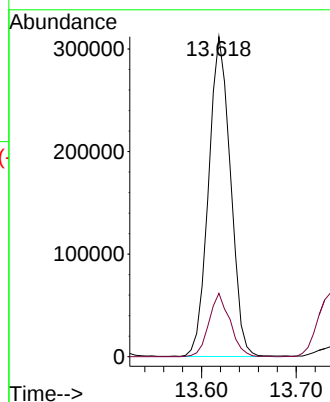
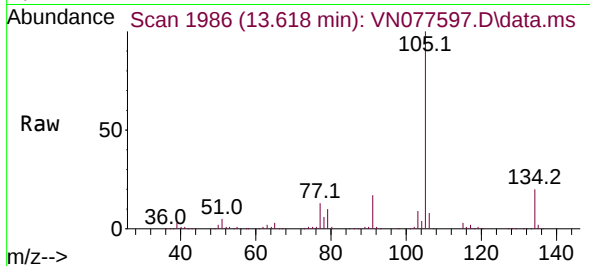




#81
 sec-Butylbenzene
 Concen: 16.531 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN077597.D
 Acq: 05 May 2023 17:41

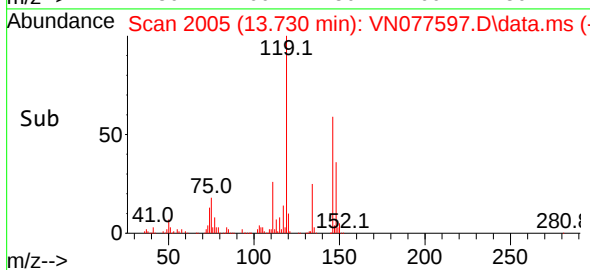
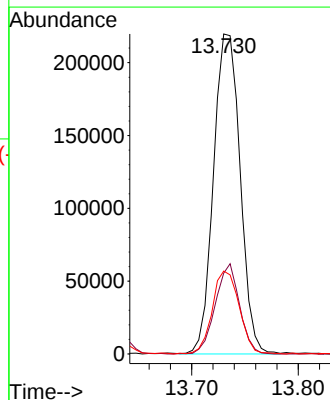
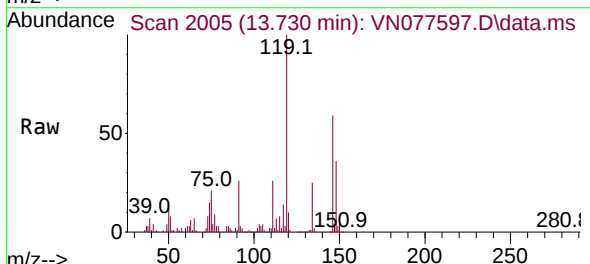
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

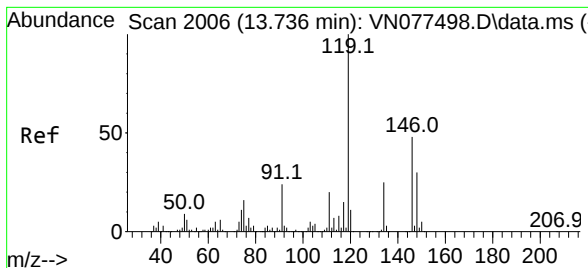
Tgt Ion:105 Resp: 500990
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 38.4



#82
 p-Isopropyltoluene
 Concen: 16.070 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN077597.D
 Acq: 05 May 2023 17:41

Tgt Ion:119 Resp: 381638
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 52.4
 91 26.2 0.0 50.6





#83

1,3-Dichlorobenzene

Concen: 21.453 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

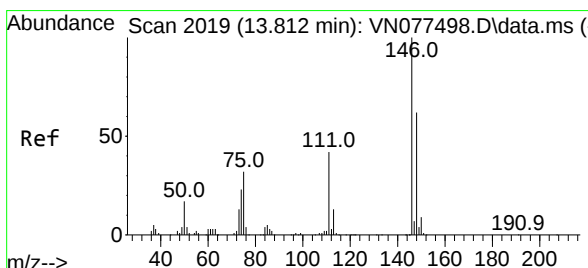
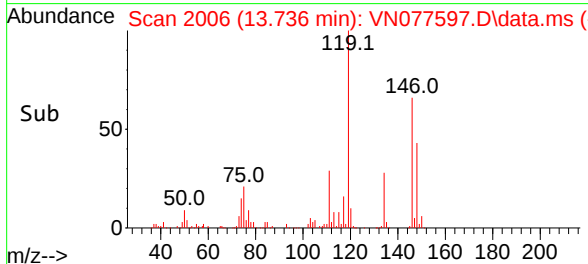
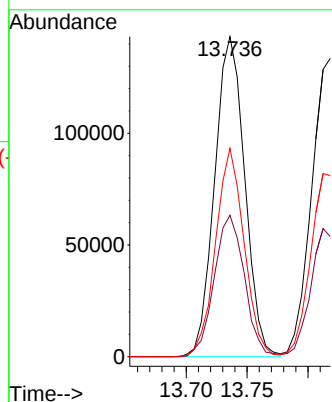
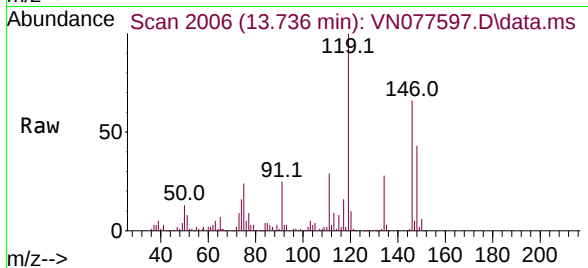
Tgt Ion:146 Resp: 246052

Ion Ratio Lower Upper

146 100

111 44.5 22.1 66.5

148 61.8 31.8 95.4



#84

1,4-Dichlorobenzene

Concen: 20.196 ug/l

RT: 13.818 min Scan# 2020

Delta R.T. 0.006 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

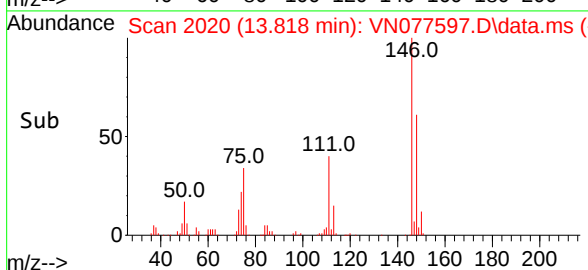
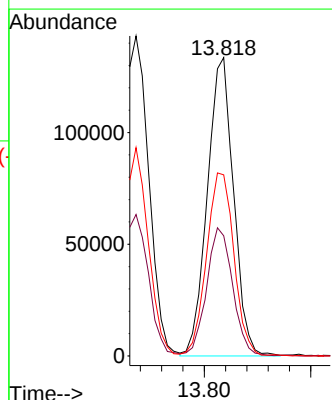
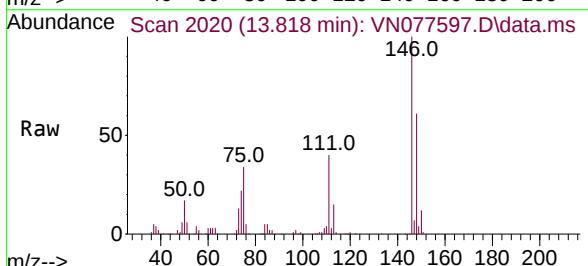
Tgt Ion:146 Resp: 228866

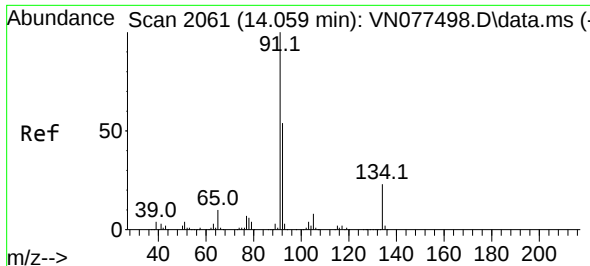
Ion Ratio Lower Upper

146 100

111 42.7 20.9 62.7

148 63.8 31.6 94.7

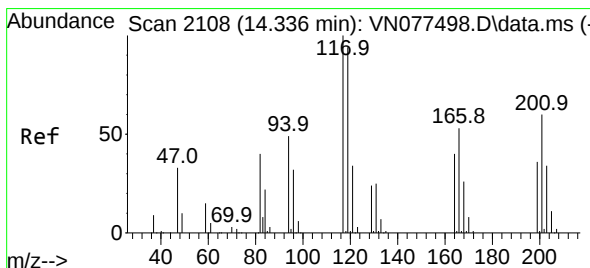
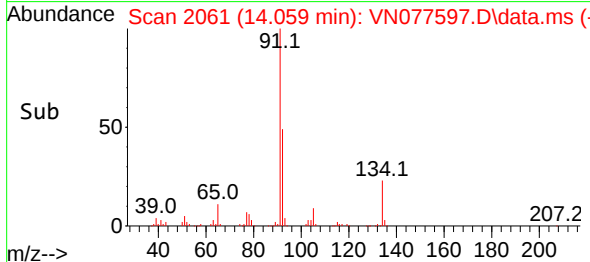
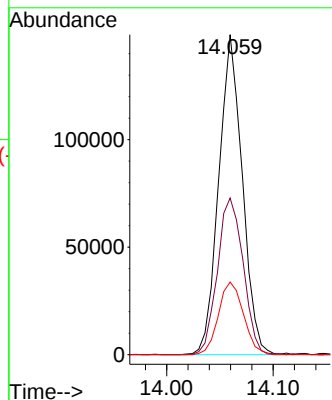
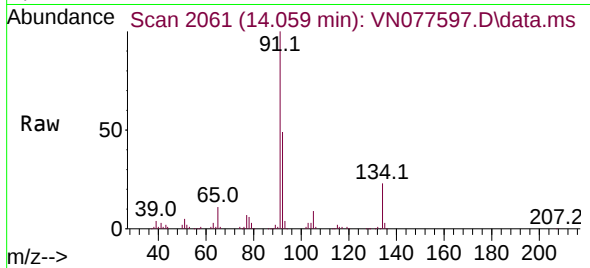




#85
n-Butylbenzene
Concen: 12.434 ug/l
RT: 14.059 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

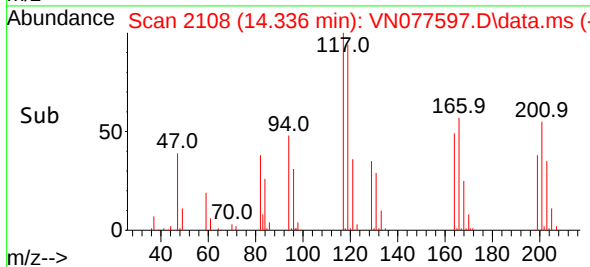
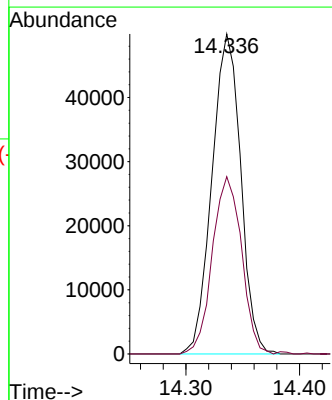
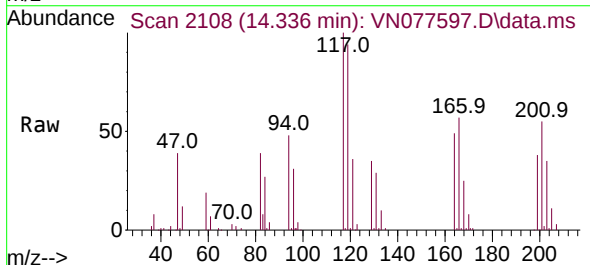
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

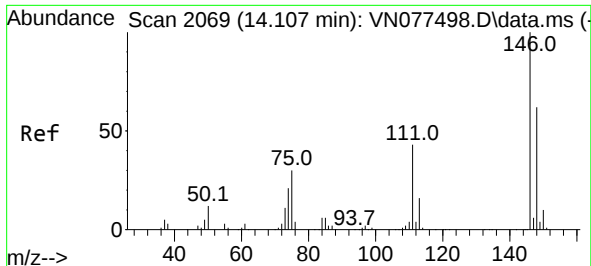
Tgt Ion: 91 Resp: 228187
Ion Ratio Lower Upper
91 100
92 53.5 0.0 108.4
134 24.1 0.0 50.0



#86
Hexachloroethane
Concen: 18.273 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 117 Resp: 87911
Ion Ratio Lower Upper
117 100
201 56.1 27.4 82.2

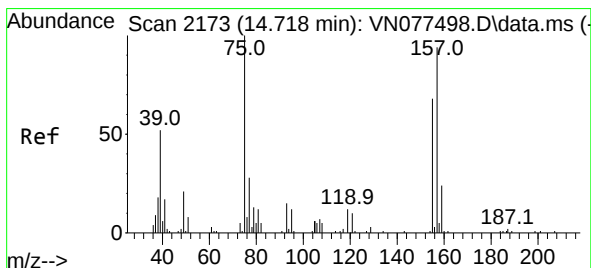
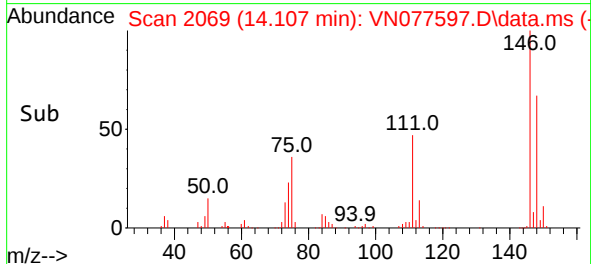
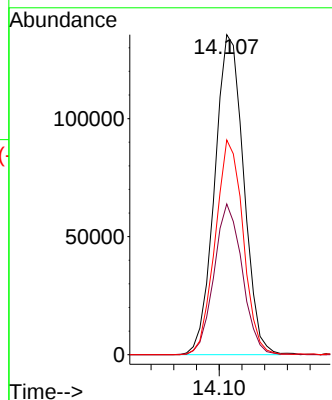
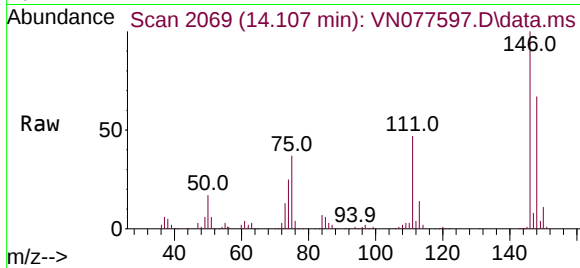




#87
1,2-Dichlorobenzene
Concen: 20.563 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

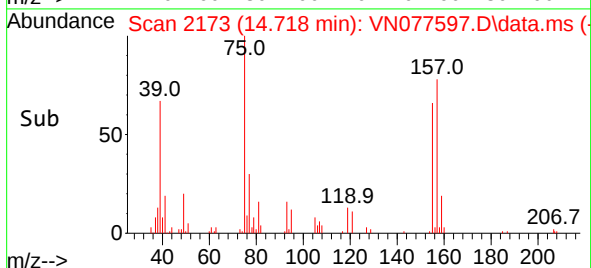
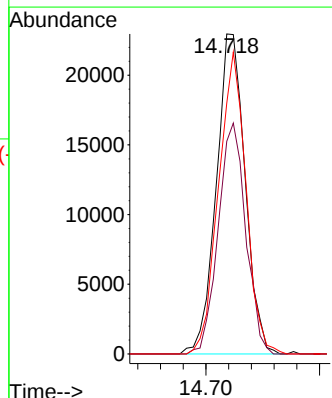
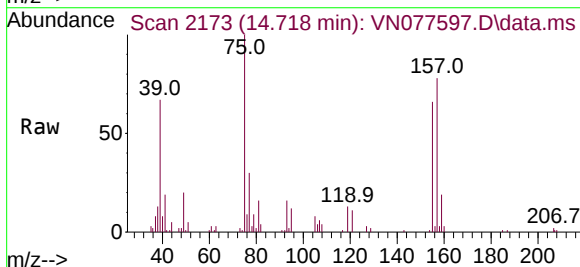
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

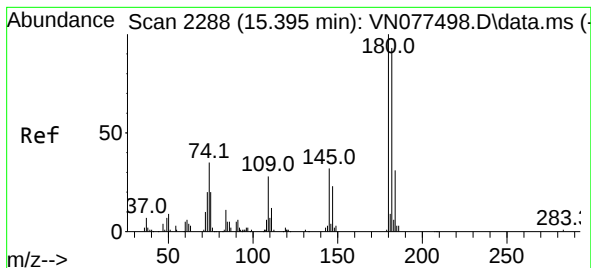
Tgt Ion:146 Resp: 239950
Ion Ratio Lower Upper
146 100
111 45.6 22.3 66.9
148 64.7 32.4 97.2



#88
1,2-Dibromo-3-Chloropropane
Concen: 23.534 ug/l
RT: 14.718 min Scan# 2173
Delta R.T. 0.000 min
Lab File: VN077597.D
Acq: 05 May 2023 17:41

Tgt Ion: 75 Resp: 40398
Ion Ratio Lower Upper
75 100
155 69.1 63.0 94.4
157 89.6 79.5 119.3





#89

1,2,4-Trichlorobenzene

Concen: 8.963 ug/l

RT: 15.395 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

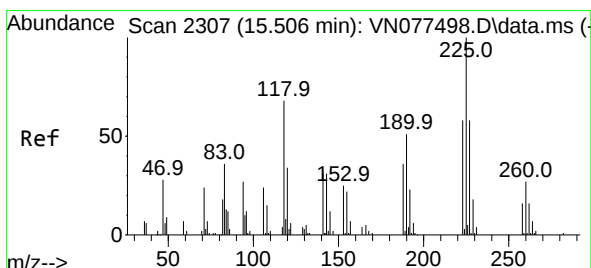
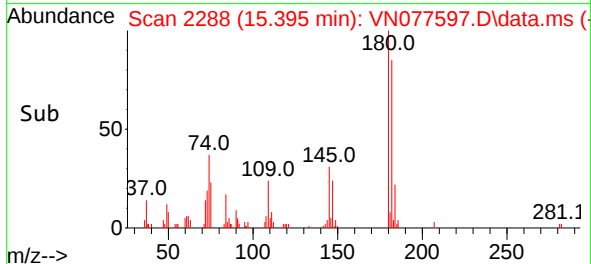
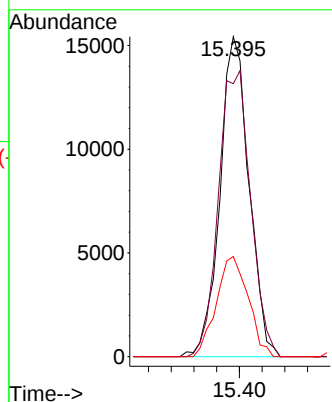
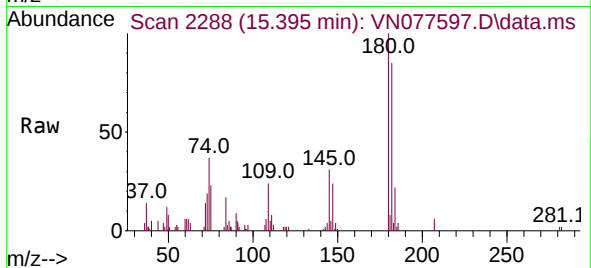
Tgt Ion:180 Resp: 27449

Ion Ratio Lower Upper

180 100

182 98.7 78.7 118.1

145 34.3 28.8 43.2



#90

Hexachlorobutadiene

Concen: 7.608 ug/l

RT: 15.501 min Scan# 2306

Delta R.T. -0.005 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

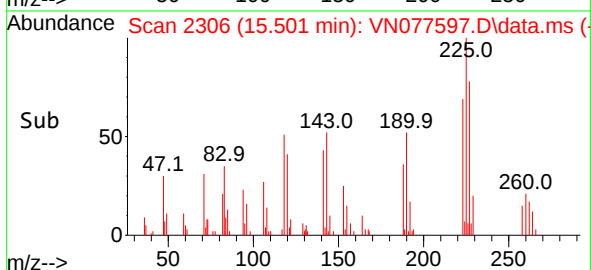
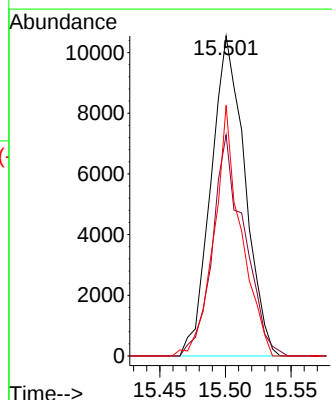
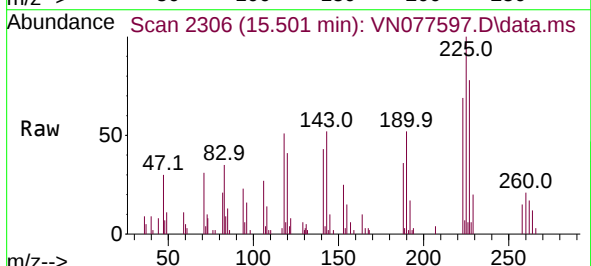
Tgt Ion:225 Resp: 18951

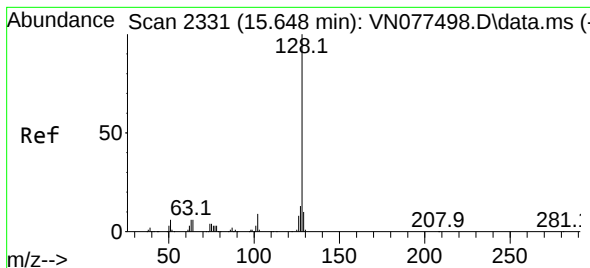
Ion Ratio Lower Upper

225 100

223 64.6 0.0 124.2

227 61.8 0.0 119.2





#91

Naphthalene

Concen: 7.193 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

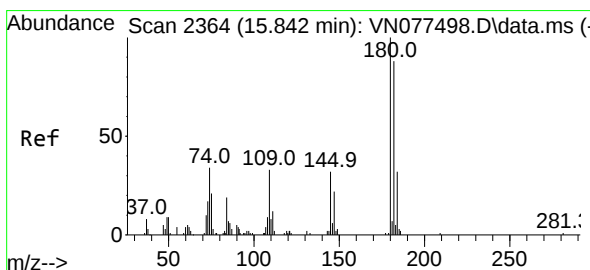
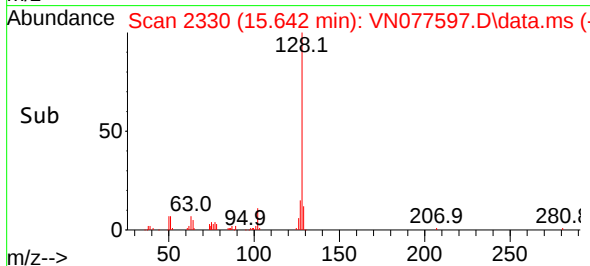
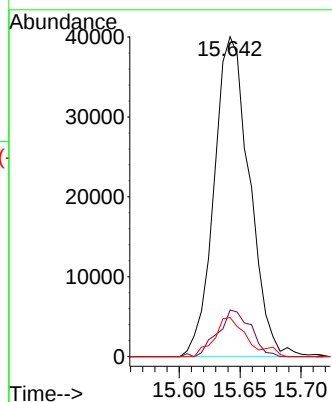
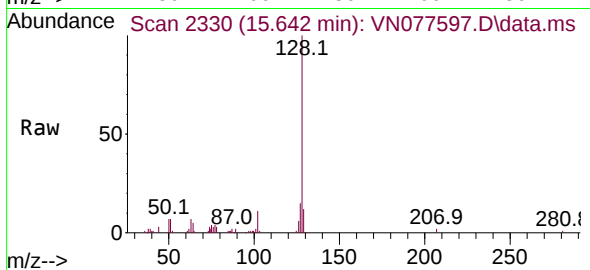
Tgt Ion:128 Resp: 80417

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

129 10.4 8.7 13.1



#92

1,2,3-Trichlorobenzene

Concen: 7.950 ug/l

RT: 15.848 min Scan# 2365

Delta R.T. 0.006 min

Lab File: VN077597.D

Acq: 05 May 2023 17:41

Tgt Ion:180 Resp: 22781

Ion Ratio Lower Upper

180 100

182 102.1 0.0 198.0

145 40.4 0.0 80.2

