

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051623\
 Data File : VN077702.D
 Acq On : 16 May 2023 19:01
 Operator : JC\MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0050EC

Quant Time: May 17 04:09:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	380696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	687063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	608775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	275948	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	260120	45.666	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.340%
35) Dibromofluoromethane	8.171	113	213178	47.582	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.160%
50) Toluene-d8	10.577	98	828990	48.072	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.140%
62) 4-Bromofluorobenzene	12.859	95	290354	47.673	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.340%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	224263	51.762	ug/l	100
3) Chloromethane	2.366	50	233004	50.750	ug/l	100
4) Vinyl Chloride	2.513	62	279887	51.238	ug/l	97
5) Bromomethane	2.954	94	200685	49.675	ug/l	97
6) Chloroethane	3.118	64	202335	51.398	ug/l	99
7) Trichlorofluoromethane	3.501	101	393942	51.749	ug/l	99
8) Diethyl Ether	3.971	74	142322	51.211	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.377	101	211979	50.317	ug/l	98
10) Methyl Iodide	4.589	142	287919	57.306	ug/l	98
11) Tert butyl alcohol	5.536	59	207885	264.442	ug/l	100
12) 1,1-Dichloroethene	4.348	96	206347	51.534	ug/l	86
13) Acrolein	4.189	56	136671	283.280	ug/l	99
14) Allyl chloride	5.030	41	283293	48.161	ug/l	93
15) Acrylonitrile	5.730	53	558757	266.045	ug/l	99
16) Acetone	4.436	43	445628	248.663	ug/l	97
17) Carbon Disulfide	4.718	76	504729	46.783	ug/l	100
18) Methyl Acetate	5.030	43	404149	53.757	ug/l #	87
19) Methyl tert-butyl Ether	5.807	73	746866	51.532	ug/l	98
20) Methylene Chloride	5.283	84	247171	53.113	ug/l	90
21) trans-1,2-Dichloroethene	5.795	96	225622	50.163	ug/l #	82
22) Diisopropyl ether	6.683	45	710385	51.524	ug/l #	94
23) Vinyl Acetate	6.612	43	2208118	258.489	ug/l #	90
24) 1,1-Dichloroethane	6.583	63	439932	52.083	ug/l	97
25) 2-Butanone	7.489	43	728569	259.890	ug/l	88
26) 2,2-Dichloropropane	7.495	77	358328	49.933	ug/l	100
27) cis-1,2-Dichloroethene	7.495	96	274691	50.935	ug/l	91
28) Bromochloromethane	7.818	49	172799	47.303	ug/l	87
29) Tetrahydrofuran	7.848	42	483361	263.322	ug/l	85
30) Chloroform	7.971	83	476998	51.335	ug/l	92
31) Cyclohexane	8.265	56	387819	50.094	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	420095	53.178	ug/l	95
36) 1,1-Dichloropropene	8.377	75	351590	53.653	ug/l	97
37) Ethyl Acetate	7.565	43	300295	51.413	ug/l	96
38) Carbon Tetrachloride	8.365	117	367801	55.582	ug/l	95
39) Methylcyclohexane	9.606	83	431174	53.745	ug/l	91
40) Benzene	8.612	78	1037472	53.650	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	164221	52.794	ug/l	91
42) 1,2-Dichloroethane	8.677	62	366390	52.158	ug/l	97
43) Isopropyl Acetate	8.695	43	524248	54.950	ug/l	94
44) Trichloroethene	9.359	130	255388	52.157	ug/l	96
45) 1,2-Dichloropropane	9.630	63	269955	54.729	ug/l	98
46) Dibromomethane	9.718	93	187733	53.189	ug/l	98
47) Bromodichloromethane	9.895	83	372326	55.099	ug/l	98
48) Methyl methacrylate	9.689	41	246432	54.481	ug/l	88
49) 1,4-Dioxane	9.700	88	95907	1122.606	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1592868	280.884	ug/l	93
52) Toluene	10.636	92	651517	54.118	ug/l	96
53) t-1,3-Dichloropropene	10.842	75	391634	54.729	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	423621	53.720	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	264692	55.373	ug/l	99
56) Ethyl methacrylate	10.883	69	408233	56.483	ug/l	90
57) 1,3-Dichloropropane	11.171	76	443406	54.109	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	1012430	284.737	ug/l	91
59) 2-Hexanone	11.200	43	1168991	278.693	ug/l	92
60) Dibromochloromethane	11.365	129	276952	56.123	ug/l	99
61) 1,2-Dibromoethane	11.477	107	269586	56.532	ug/l	98
64) Tetrachloroethene	11.112	164	204943	48.139	ug/l	97
65) Chlorobenzene	11.900	112	705023	53.421	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.971	131	256380	56.144	ug/l	97
67) Ethyl Benzene	11.971	91	1286579	54.399	ug/l	99
68) m/p-Xylenes	12.077	106	977582	109.088	ug/l	97
69) o-Xylene	12.406	106	479449	54.402	ug/l	97
70) Styrene	12.418	104	785595	56.113	ug/l	97
71) Bromoform	12.588	173	174738	57.521	ug/l #	100
73) Isopropylbenzene	12.706	105	1261188	53.021	ug/l	100
74) N-amyl acetate	12.500	43	450126	51.196	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.947	83	383851	52.455	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	472656	68.395	ug/l	71
77) Bromobenzene	12.988	156	276389	50.916	ug/l	97
78) n-propylbenzene	13.041	91	1459540	52.046	ug/l	99
79) 2-Chlorotoluene	13.135	91	871634	52.088	ug/l	98
80) 1,3,5-Trimethylbenzene	13.183	105	1060806	53.062	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	110313	51.025	ug/l	90
82) 4-Chlorotoluene	13.230	91	841496	50.542	ug/l	100
83) tert-Butylbenzene	13.447	119	906458	51.938	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1055743	53.695	ug/l	100
85) sec-Butylbenzene	13.624	105	1300340	52.426	ug/l	100
86) p-Isopropyltoluene	13.735	119	1073567	54.292	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	510478	50.850	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	494720	49.662	ug/l	98
89) n-Butylbenzene	14.065	91	943016	51.849	ug/l	98
90) Hexachloroethane	14.341	117	184696	56.857	ug/l	93
91) 1,2-Dichlorobenzene	14.112	146	500501	53.368	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	75152	53.046	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	261875	47.783	ug/l	96
94) Hexachlorobutadiene	15.512	225	114075	50.132	ug/l	98
95) Naphthalene	15.647	128	915210	48.517	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	257503	47.989	ug/l	97

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Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

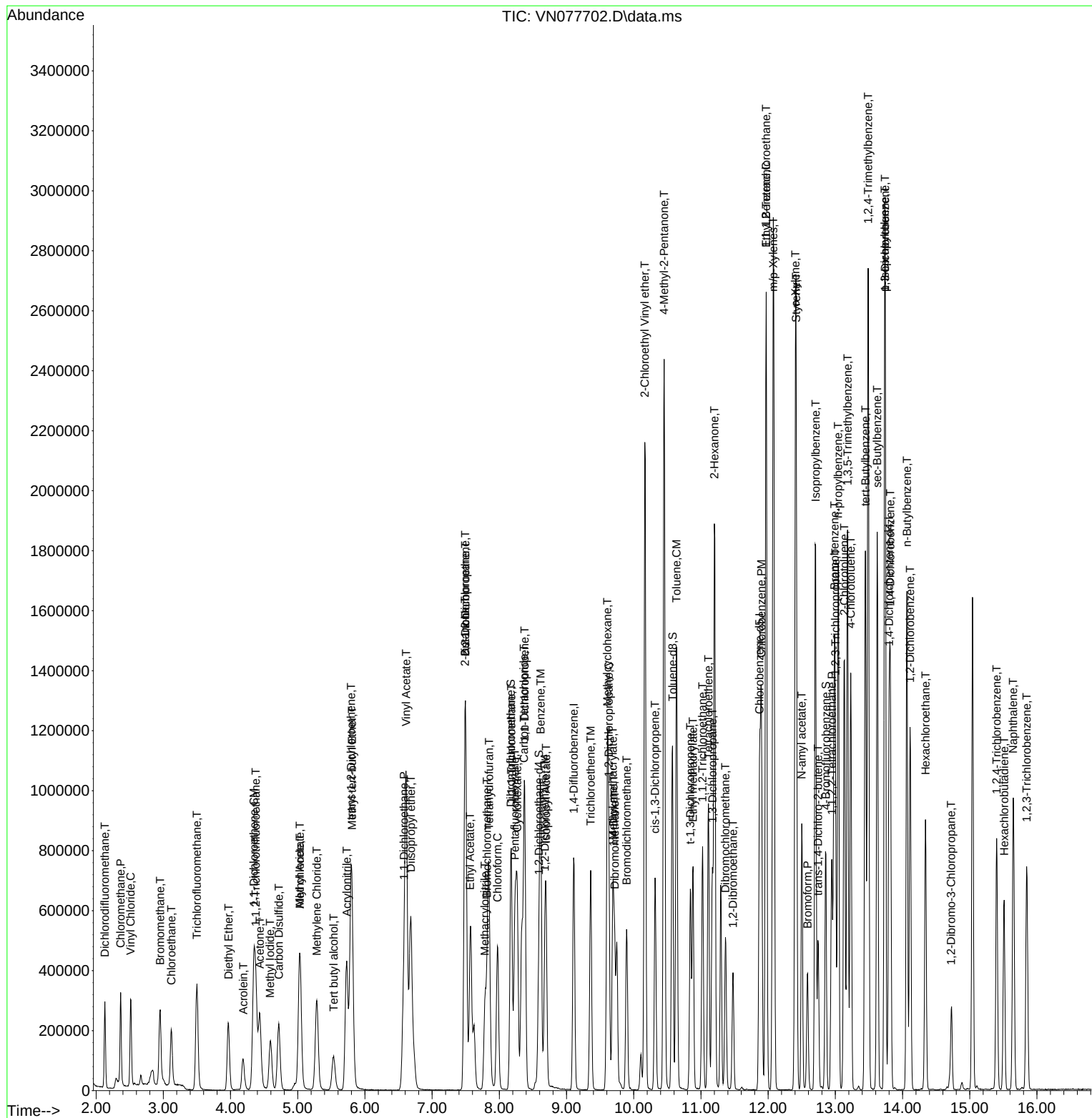
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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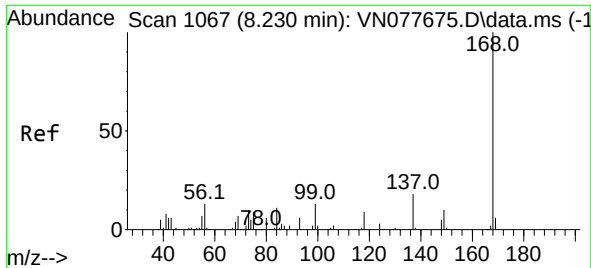
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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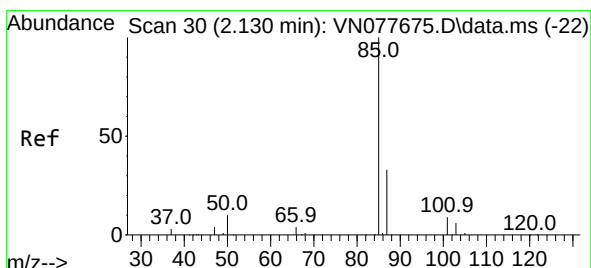
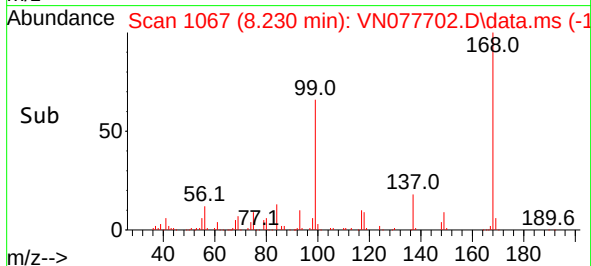
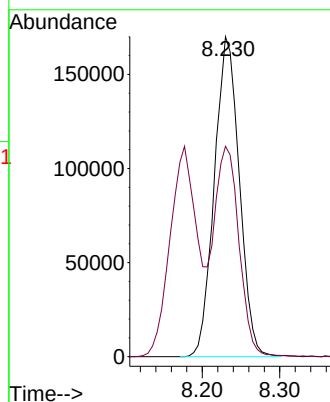
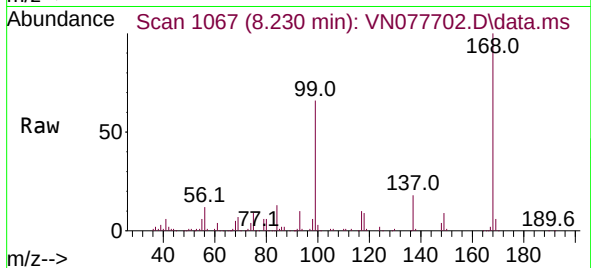




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077702.D
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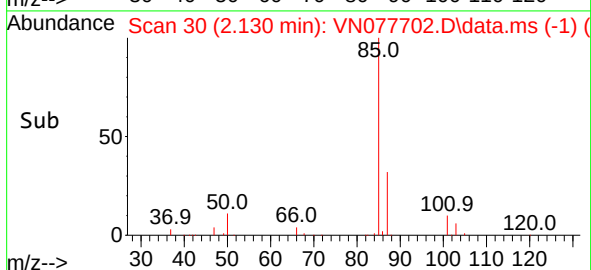
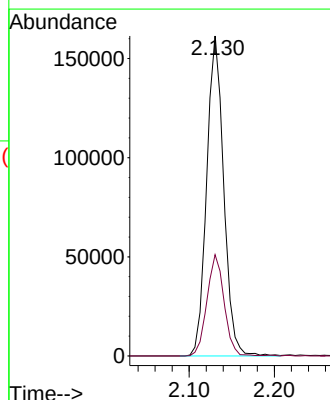
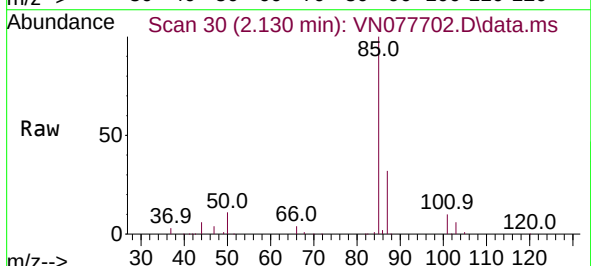
Instrument :
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VSTDCCC050EC

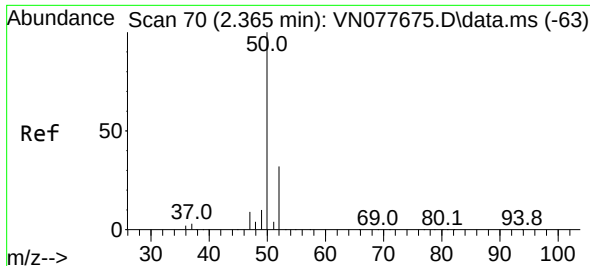
Tgt Ion:168 Resp: 380696
Ion Ratio Lower Upper
168 100
99 65.4 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 51.762 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 85 Resp: 224263
Ion Ratio Lower Upper
85 100
87 31.7 15.8 47.4

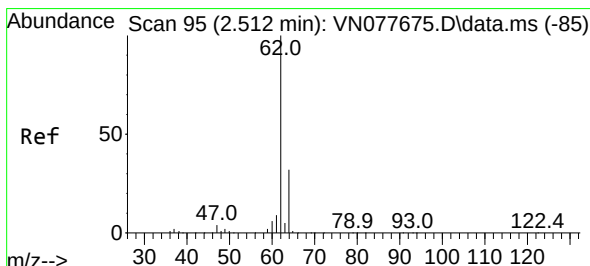
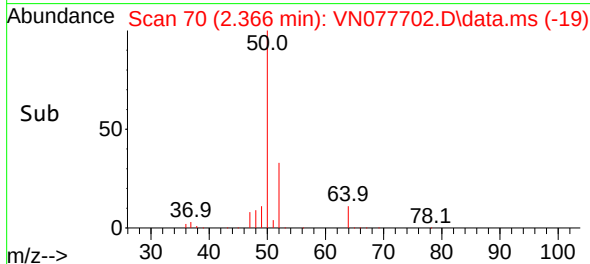
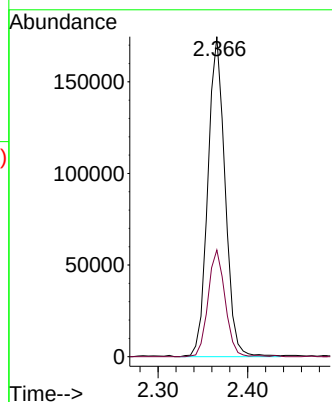
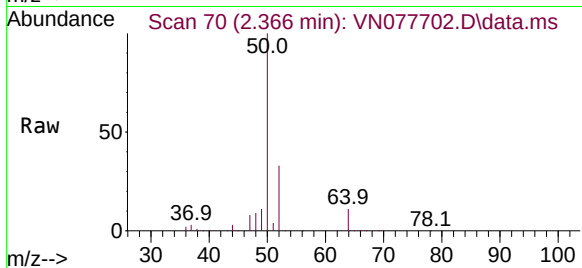




#3
Chloromethane
Concen: 50.750 ug/l
RT: 2.366 min Scan# 70
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

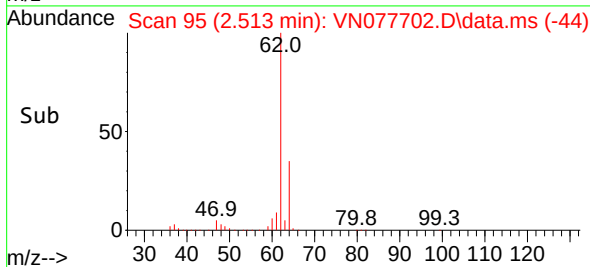
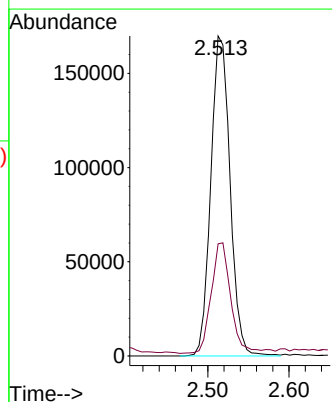
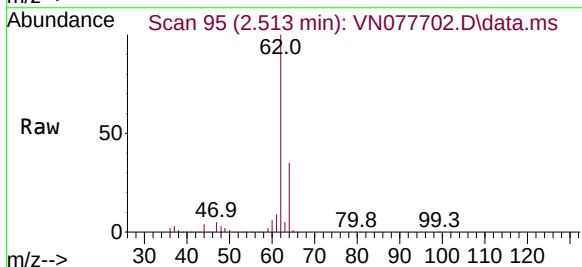
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ClientSampleId :
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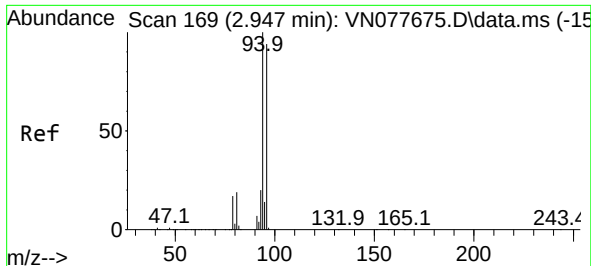
Tgt Ion: 50 Resp: 233004
Ion Ratio Lower Upper
50 100
52 33.4 26.5 39.7



#4
Vinyl Chloride
Concen: 51.238 ug/l
RT: 2.513 min Scan# 95
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 62 Resp: 279887
Ion Ratio Lower Upper
62 100
64 34.2 26.2 39.2

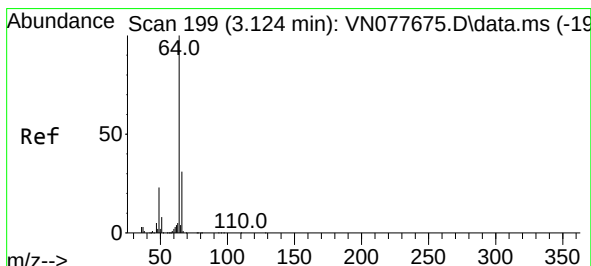
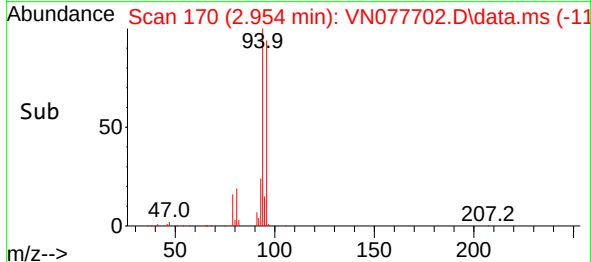
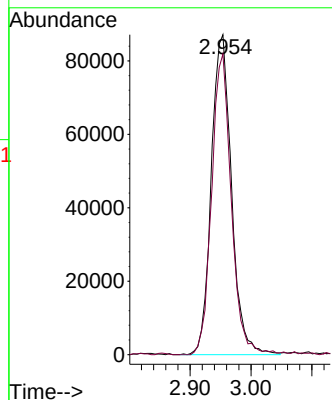
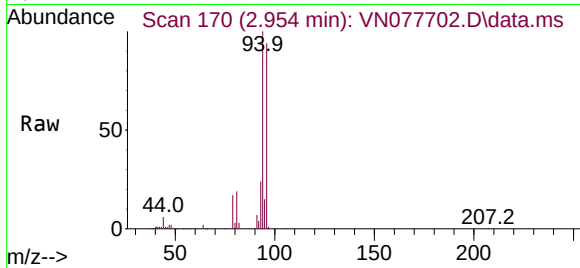




#5
Bromomethane
Concen: 49.675 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.007 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

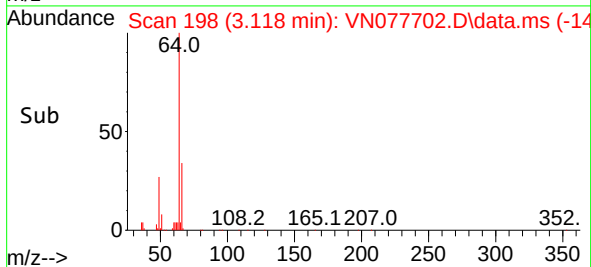
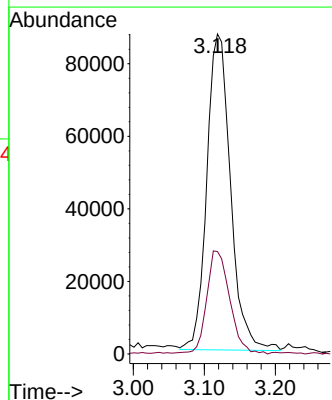
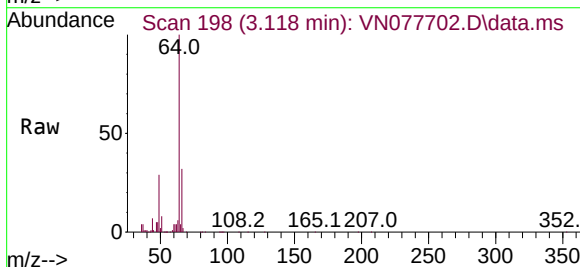
Instrument :
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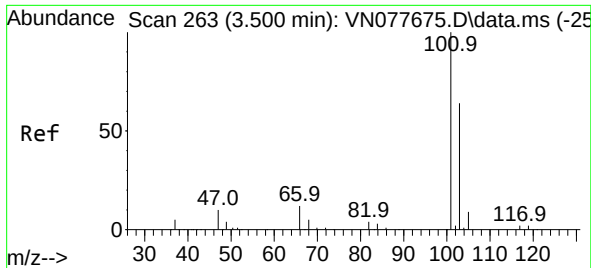
Tgt Ion: 94 Resp: 200685
Ion Ratio Lower Upper
94 100
96 93.9 73.1 109.7



#6
Chloroethane
Concen: 51.398 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 64 Resp: 202335
Ion Ratio Lower Upper
64 100
66 32.1 25.4 38.2

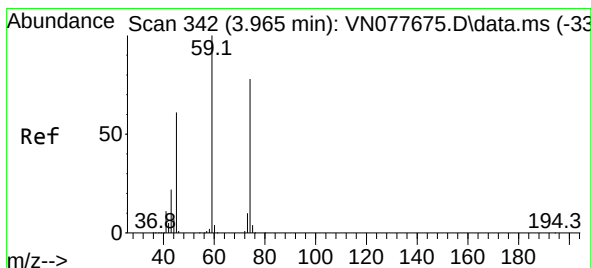
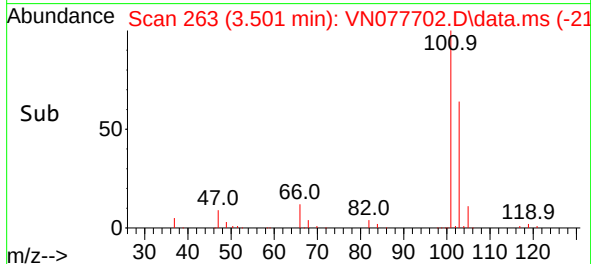
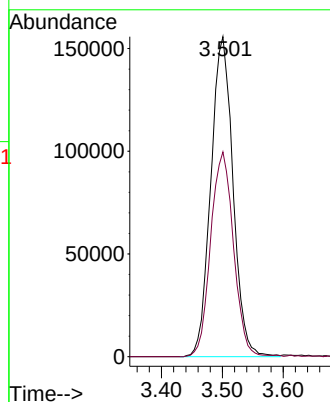
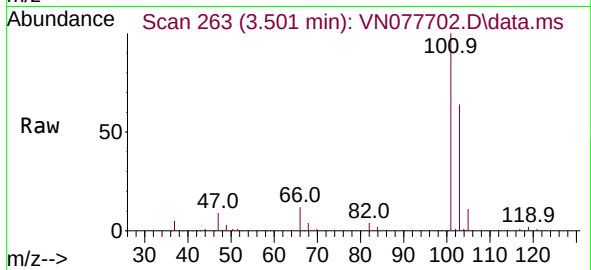




#7
 Trichlorofluoromethane
 Concen: 51.749 ug/l
 RT: 3.501 min Scan# 210
 Delta R.T. 0.001 min
 Lab File: VN077702.D
 Acq: 16 May 2023 19:01

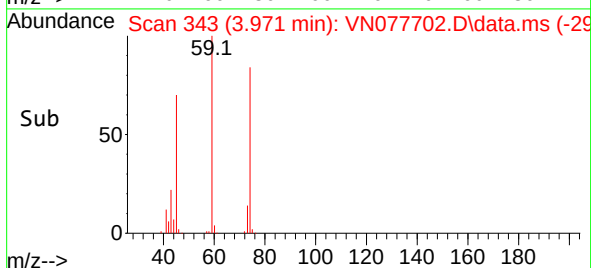
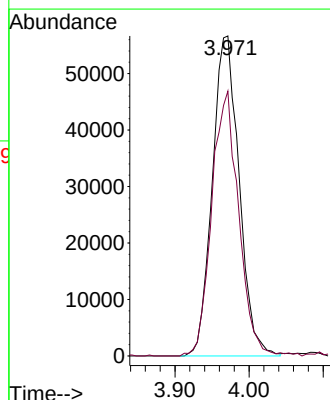
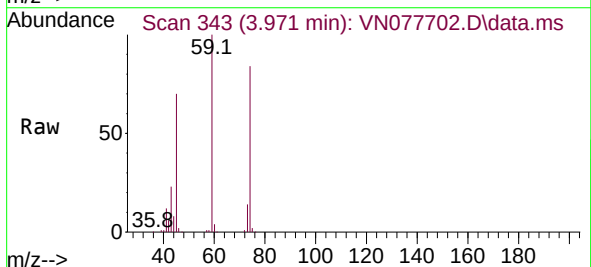
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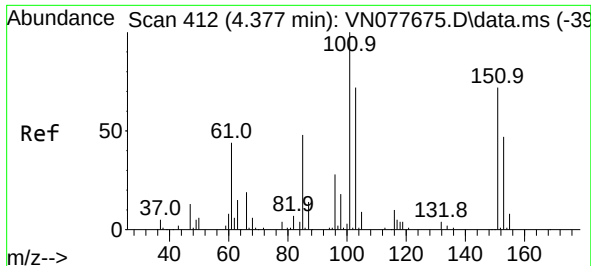
Tgt Ion:101 Resp: 393942
 Ion Ratio Lower Upper
 101 100
 103 64.0 50.7 76.1



#8
 Diethyl Ether
 Concen: 51.211 ug/l
 RT: 3.971 min Scan# 343
 Delta R.T. 0.006 min
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Tgt Ion: 74 Resp: 142322
 Ion Ratio Lower Upper
 74 100
 45 82.9 34.4 103.3

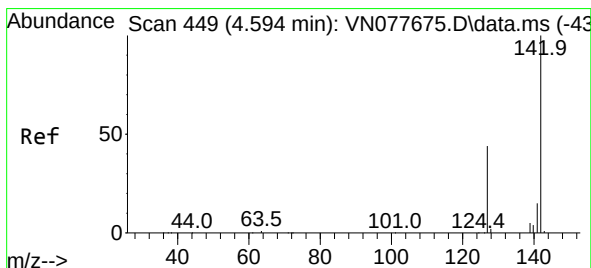
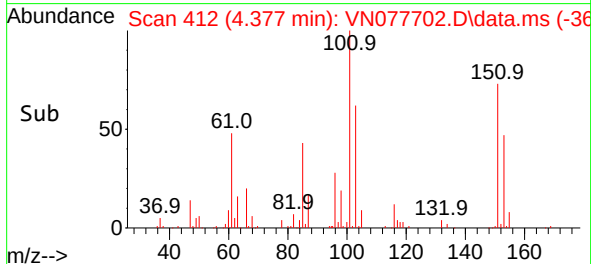
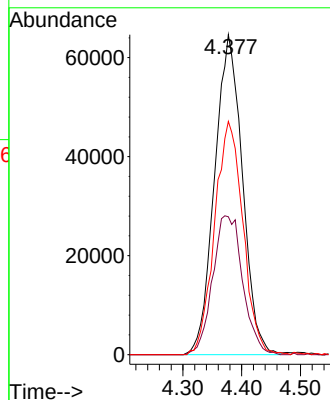
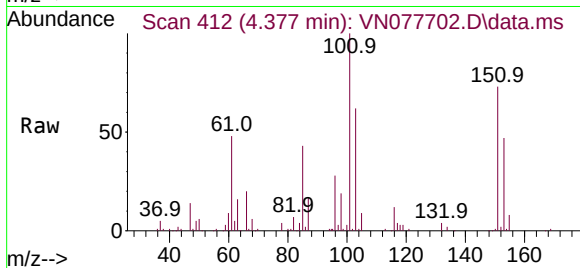




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.317 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

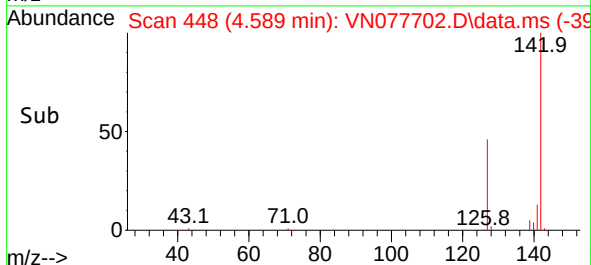
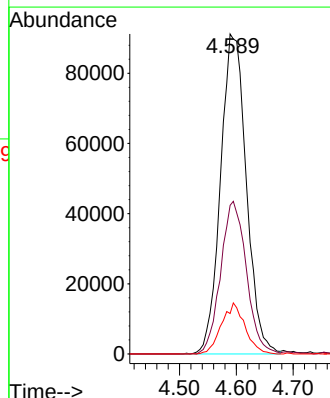
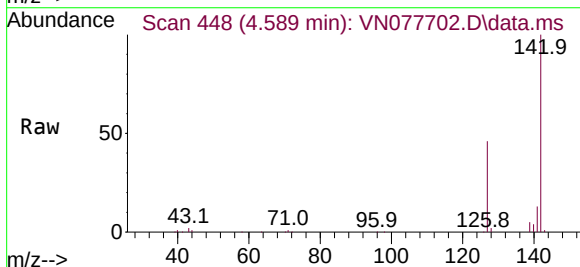
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

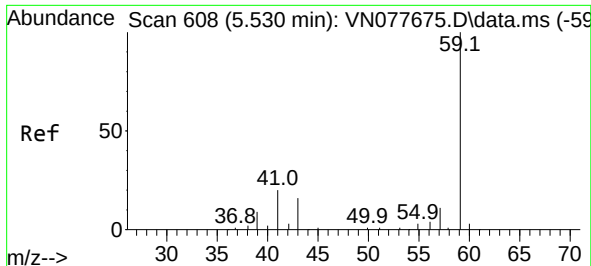
Tgt Ion:101 Resp: 211979
Ion Ratio Lower Upper
101 100
85 46.9 36.6 55.0
151 74.5 57.6 86.4



#10
Methyl Iodide
Concen: 57.306 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.005 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion:142 Resp: 287919
Ion Ratio Lower Upper
142 100
127 46.4 37.6 56.4
141 12.7 11.4 17.0

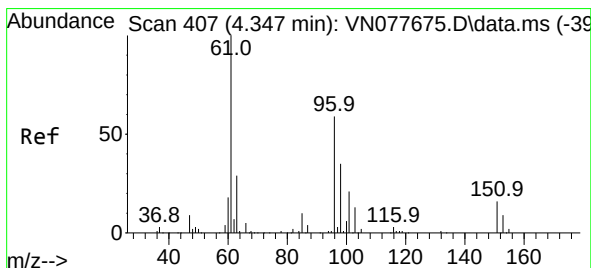
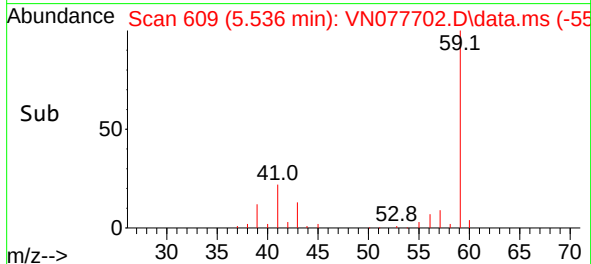
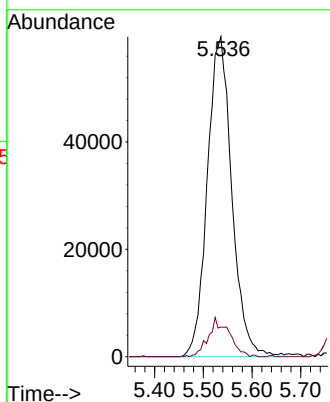
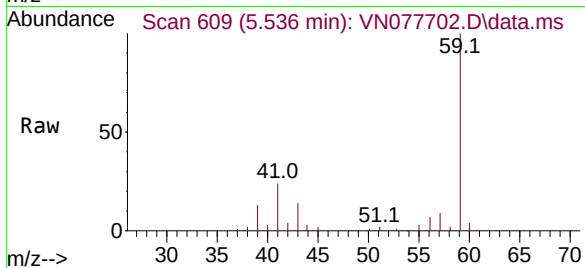




#11
Tert butyl alcohol
Concen: 264.442 ug/l
RT: 5.536 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

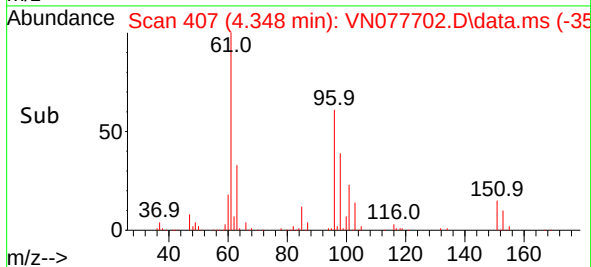
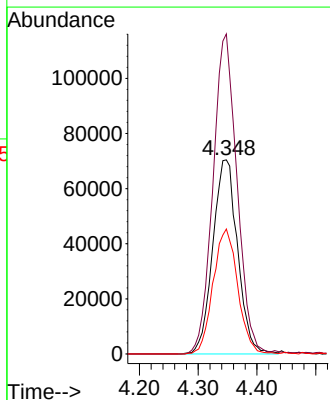
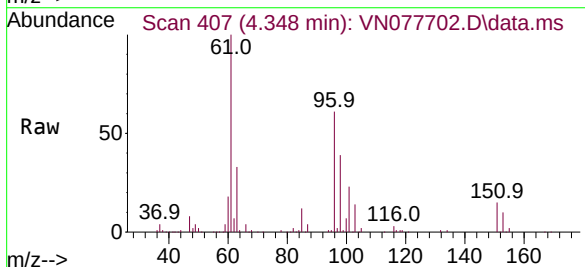
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

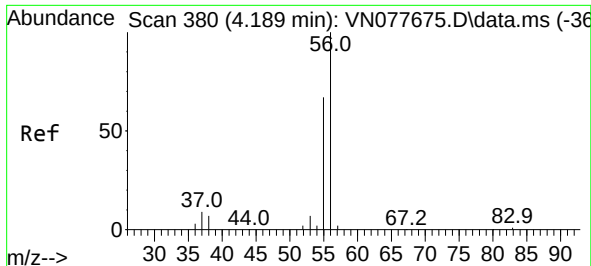
Tgt Ion: 59 Resp: 207885
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4



#12
1,1-Dichloroethene
Concen: 51.534 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 96 Resp: 206347
Ion Ratio Lower Upper
96 100
61 164.9 112.7 169.1
98 64.4 51.2 76.8

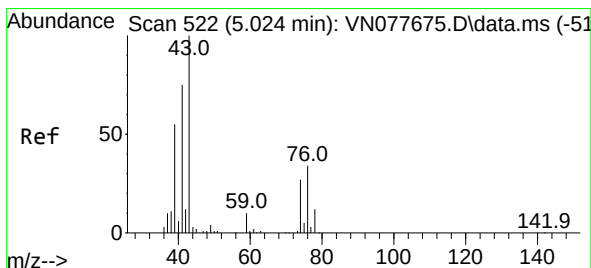
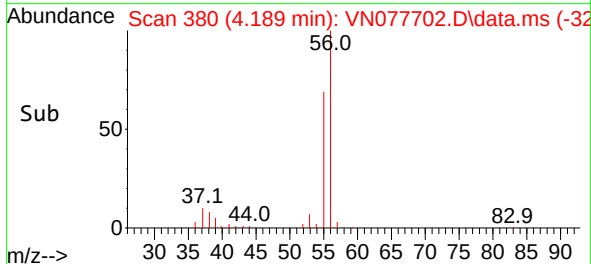
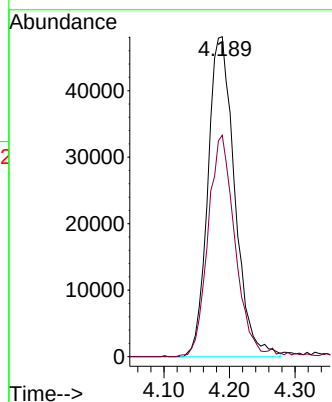
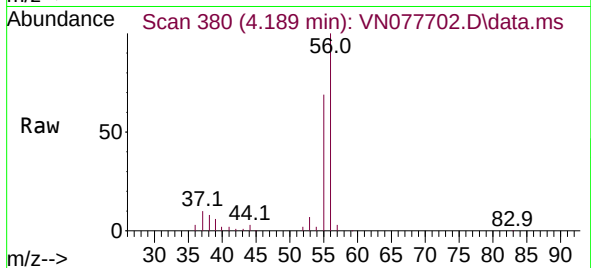




#13
Acrolein
Concen: 283.280 ug/l
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

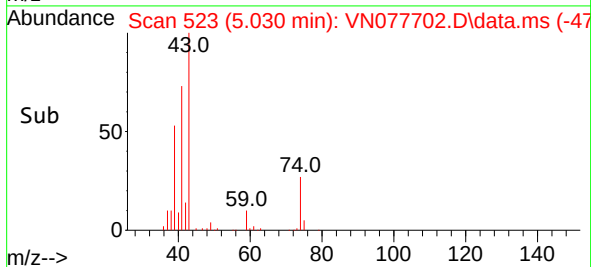
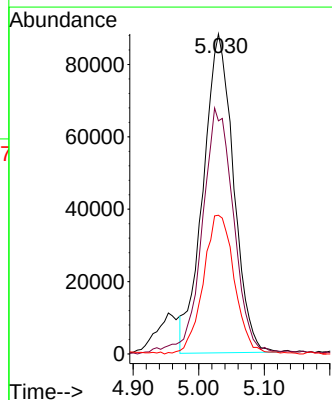
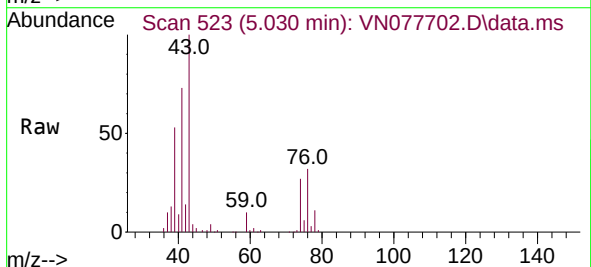
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

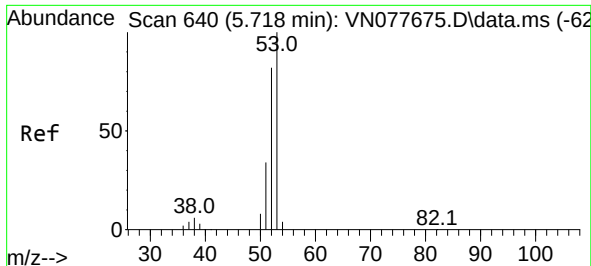
Tgt Ion: 56 Resp: 136671
Ion Ratio Lower Upper
56 100
55 68.9 54.5 81.7



#14
Allyl chloride
Concen: 48.161 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 41 Resp: 283293
Ion Ratio Lower Upper
41 100
39 80.0 58.8 88.2
76 44.9 39.1 58.7

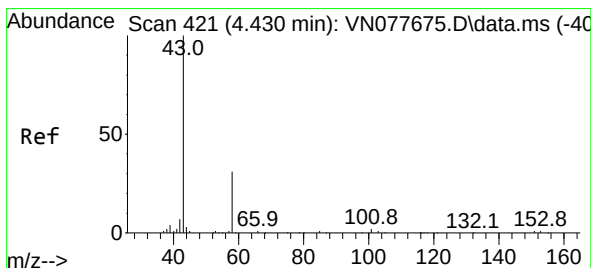
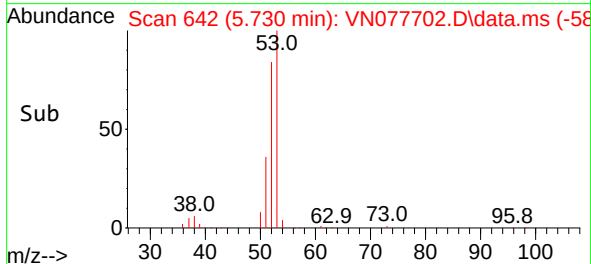
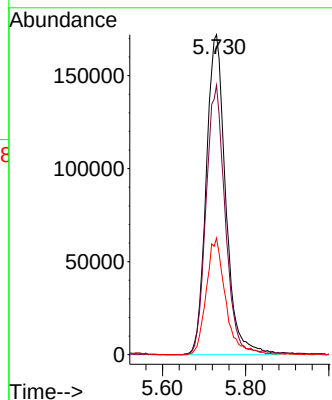
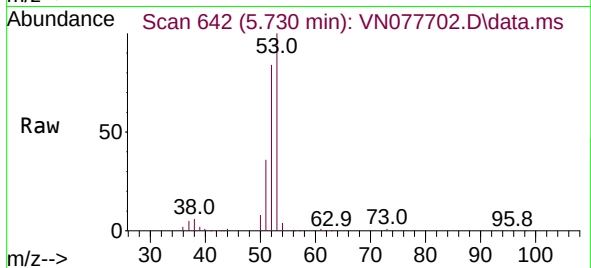




#15
Acrylonitrile
Concen: 266.045 ug/l
RT: 5.730 min Scan# 642
Delta R.T. 0.012 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

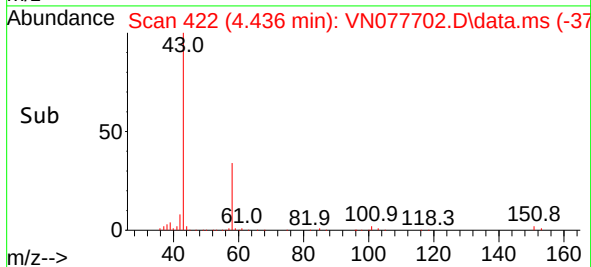
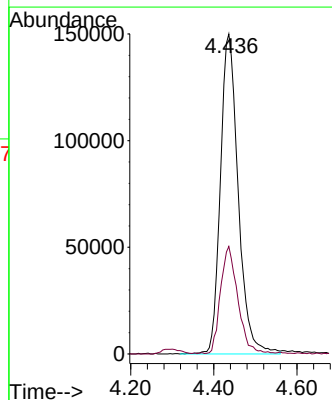
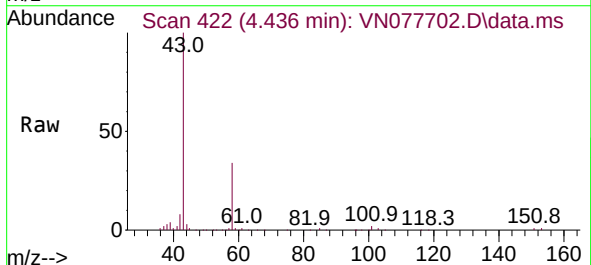
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

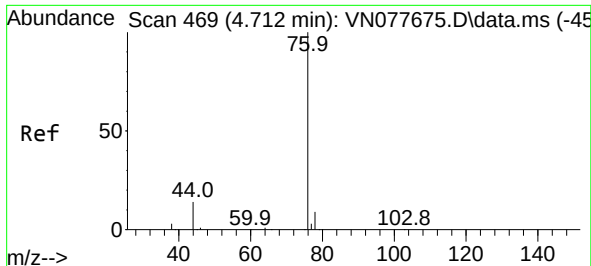
Tgt Ion: 53 Resp: 558757
Ion Ratio Lower Upper
53 100
52 82.5 65.3 97.9
51 36.3 28.9 43.3



#16
Acetone
Concen: 248.663 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 43 Resp: 445628
Ion Ratio Lower Upper
43 100
58 33.1 28.0 42.0

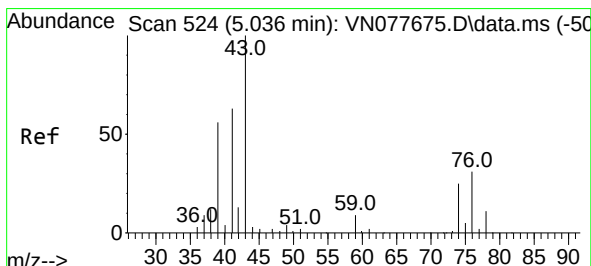
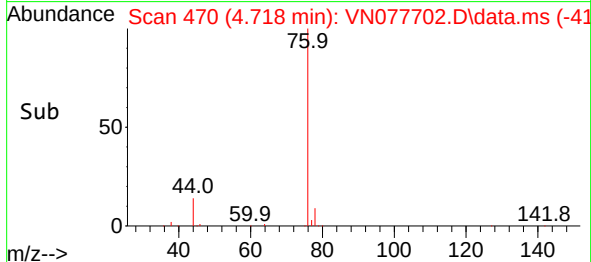
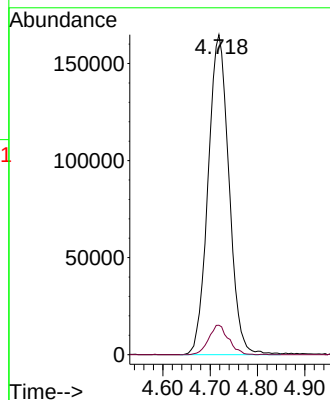
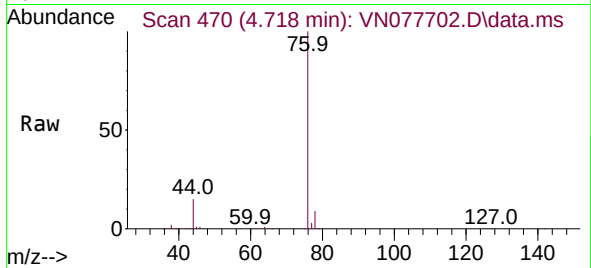




#17
Carbon Disulfide
Concen: 46.783 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

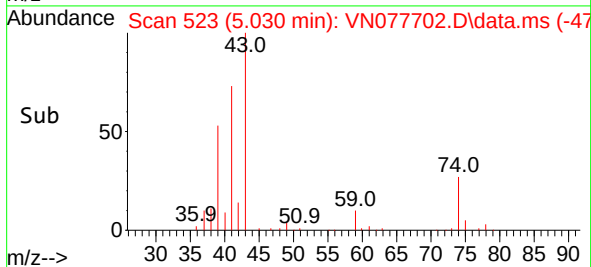
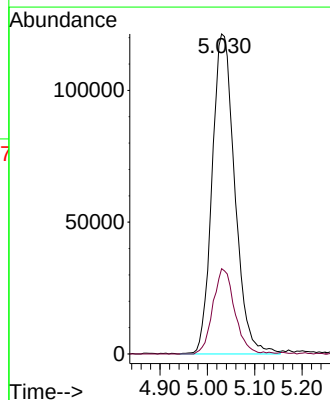
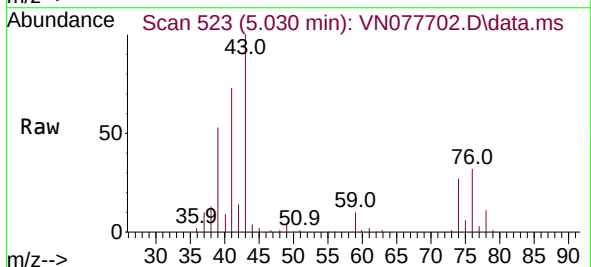
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

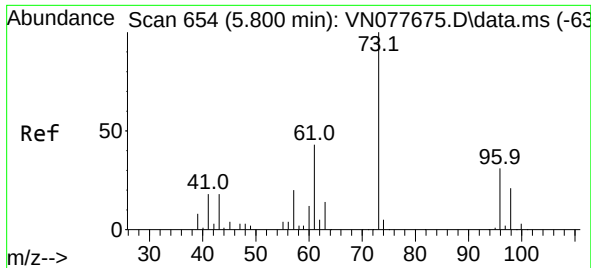
Tgt Ion: 76 Resp: 504729
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 53.757 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 43 Resp: 404149
Ion Ratio Lower Upper
43 100
74 25.4 26.2 39.4#

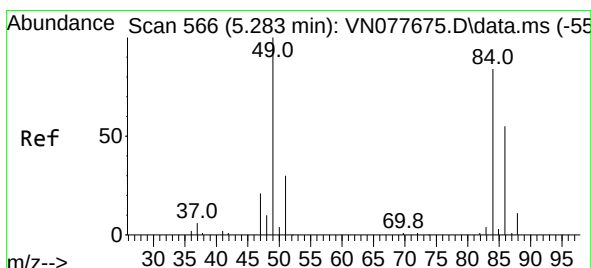
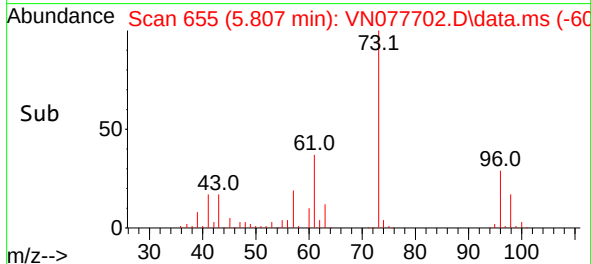
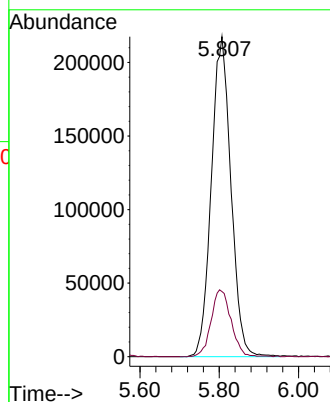
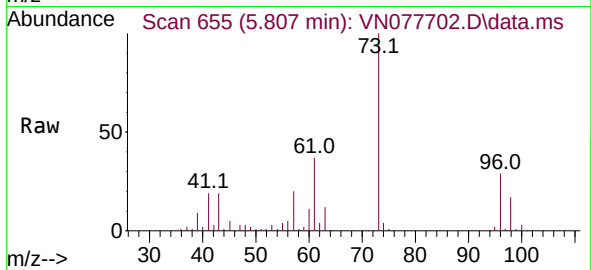




#19
Methyl tert-butyl Ether
Concen: 51.532 ug/l
RT: 5.807 min Scan# 61
Delta R.T. 0.007 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

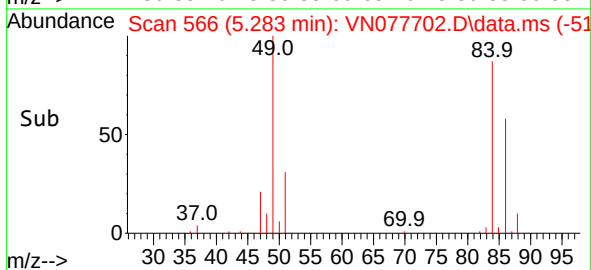
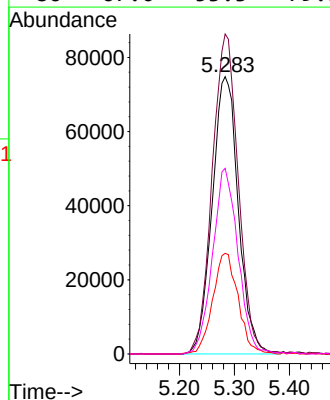
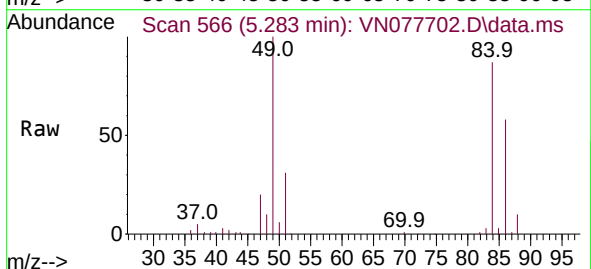
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

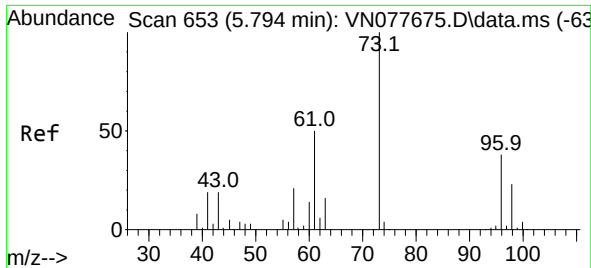
Tgt Ion: 73 Resp: 746866
Ion Ratio Lower Upper
73 100
57 20.4 15.6 23.4



#20
Methylene Chloride
Concen: 53.113 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 84 Resp: 247171
Ion Ratio Lower Upper
84 100
49 115.4 79.7 119.5
51 36.3 25.2 37.8
86 67.0 53.3 79.9

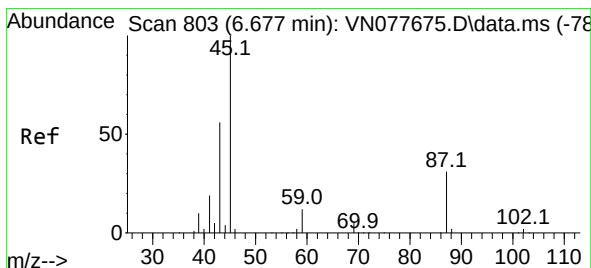
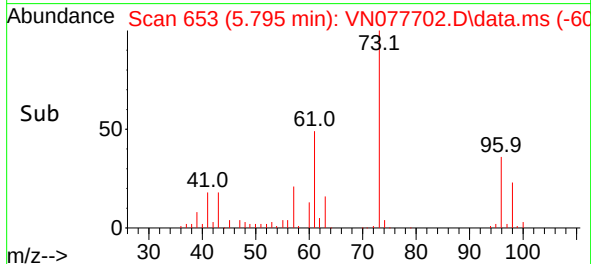
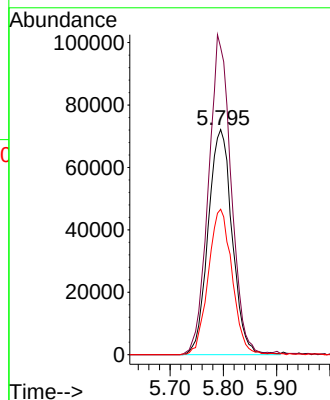
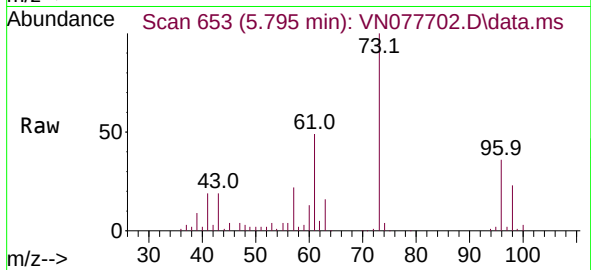




#21
trans-1,2-Dichloroethene
Concen: 50.163 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

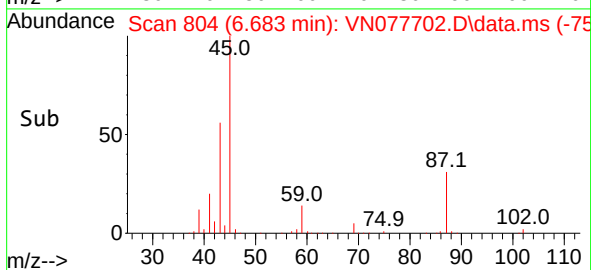
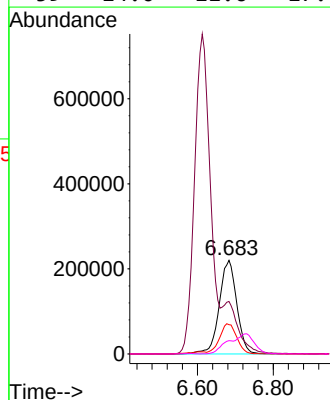
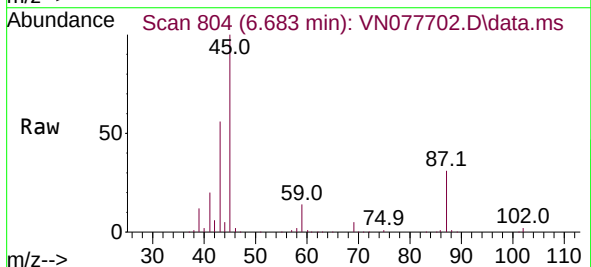
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

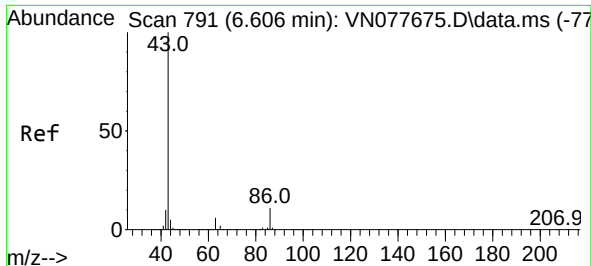
Tgt Ion: 96 Resp: 225622
Ion Ratio Lower Upper
96 100
61 136.4 90.1 135.1#
98 64.6 46.4 69.6



#22
Diisopropyl ether
Concen: 51.524 ug/l
RT: 6.683 min Scan# 804
Delta R.T. 0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 45 Resp: 710385
Ion Ratio Lower Upper
45 100
43 55.4 45.5 68.3
87 31.2 31.8 47.8#
59 14.0 11.6 17.4

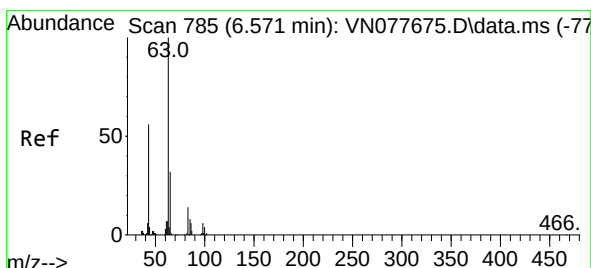
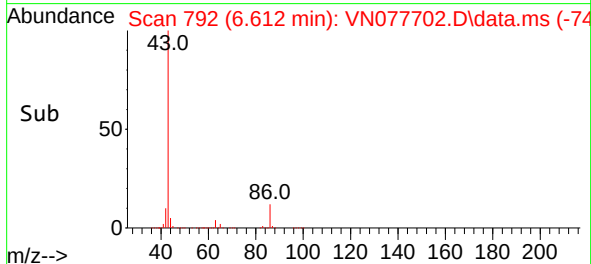
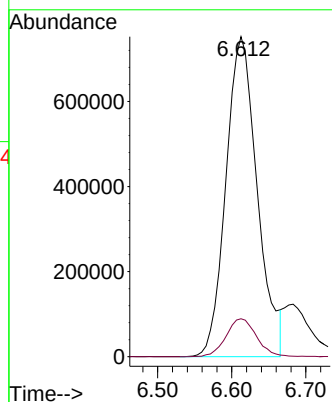
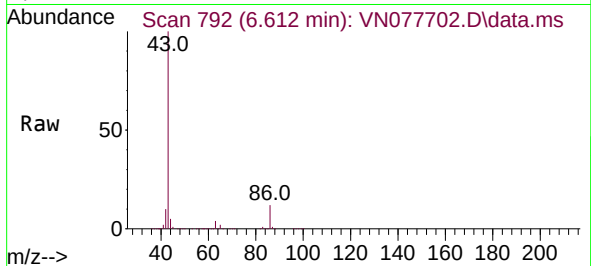




#23
 Vinyl Acetate
 Concen: 258.489 ug/l
 RT: 6.612 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN077702.D
 Acq: 16 May 2023 19:01

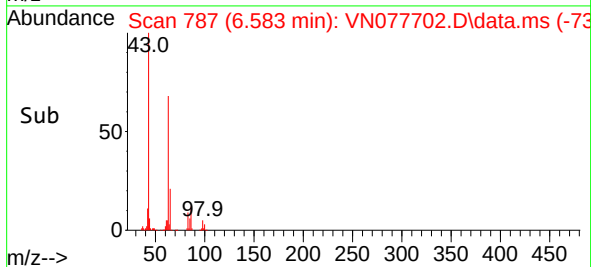
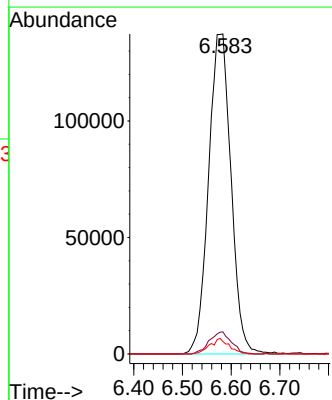
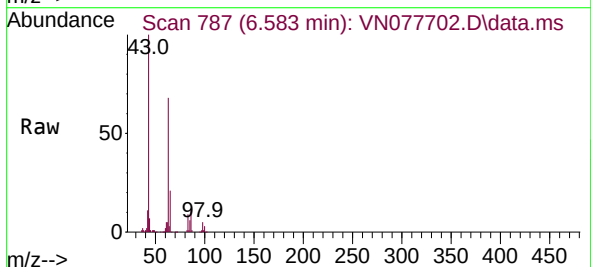
Instrument :
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 VSTDCCC050EC

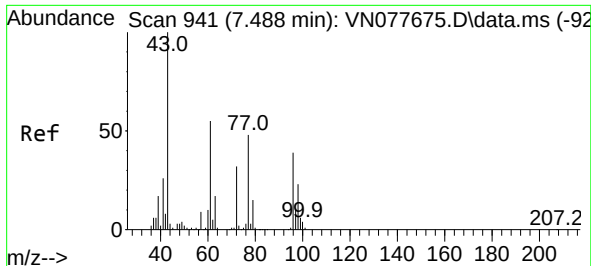
Tgt Ion: 43 Resp: 2208118
 Ion Ratio Lower Upper
 43 100
 86 11.9 13.0 19.6#



#24
 1,1-Dichloroethane
 Concen: 52.083 ug/l
 RT: 6.583 min Scan# 787
 Delta R.T. 0.012 min
 Lab File: VN077702.D
 Acq: 16 May 2023 19:01

Tgt Ion: 63 Resp: 439932
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.9 11.7
 100 3.9 2.5 7.4

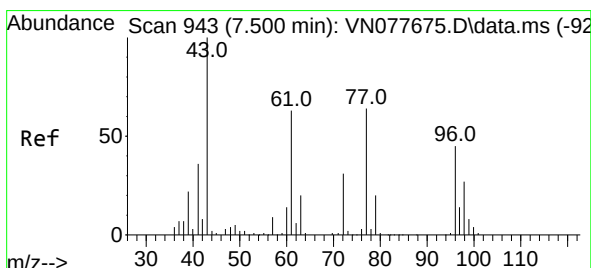
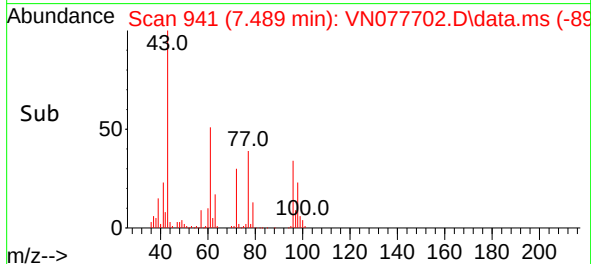
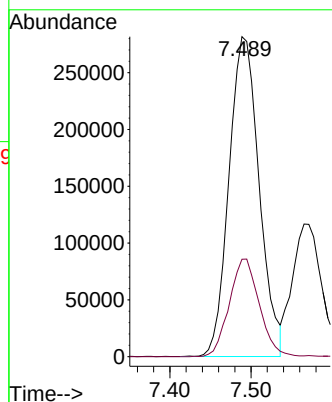
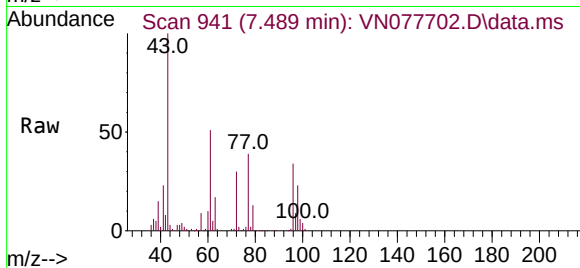




#25
2-Butanone
Concen: 259.890 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

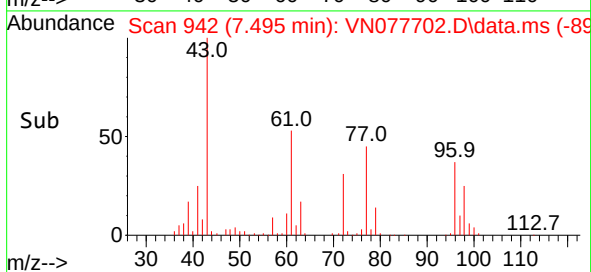
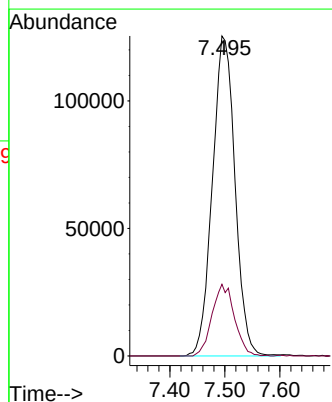
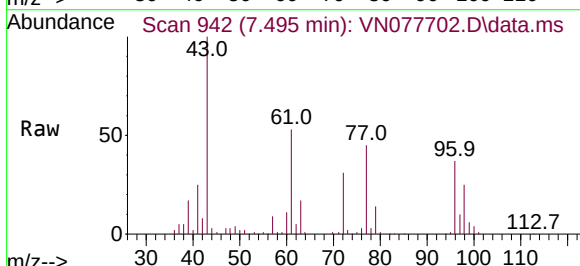
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

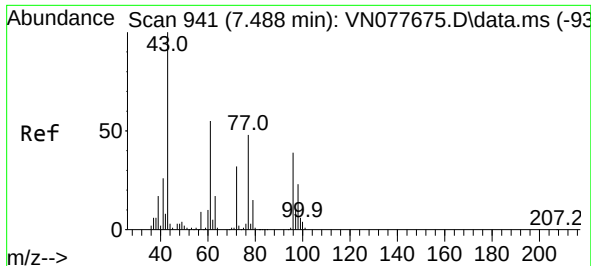
Tgt Ion: 43 Resp: 728569
Ion Ratio Lower Upper
43 100
72 30.5 30.2 45.2



#26
2,2-Dichloropropane
Concen: 49.933 ug/l
RT: 7.495 min Scan# 942
Delta R.T. -0.005 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 77 Resp: 358328
Ion Ratio Lower Upper
77 100
97 22.2 11.2 33.6

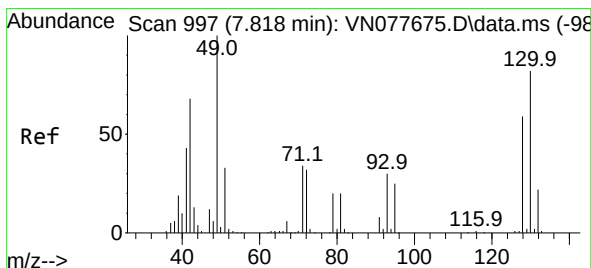
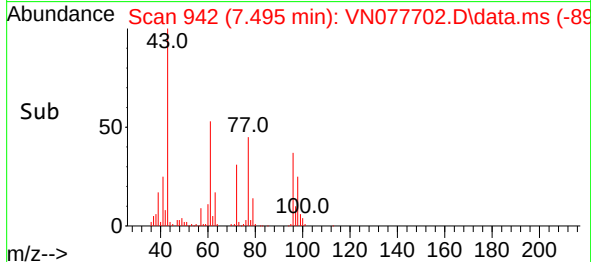
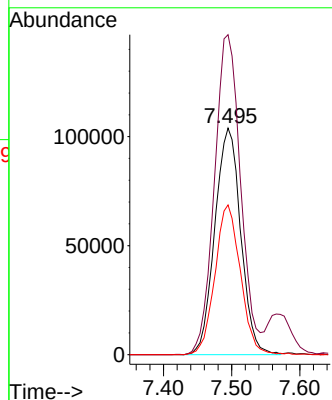
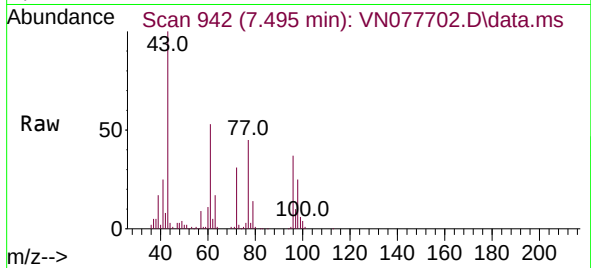




#27
 cis-1,2-Dichloroethene
 Concen: 50.935 ug/l
 RT: 7.495 min Scan# 941
 Delta R.T. 0.007 min
 Lab File: VN077702.D
 Acq: 16 May 2023 19:01

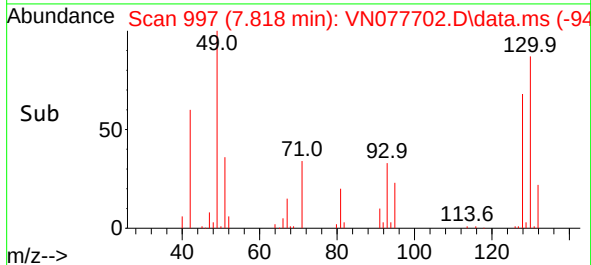
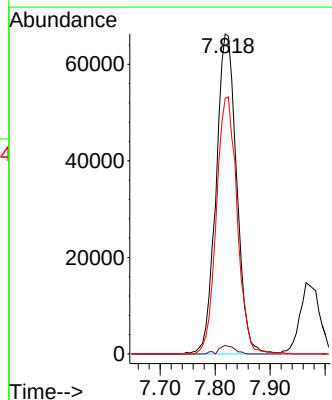
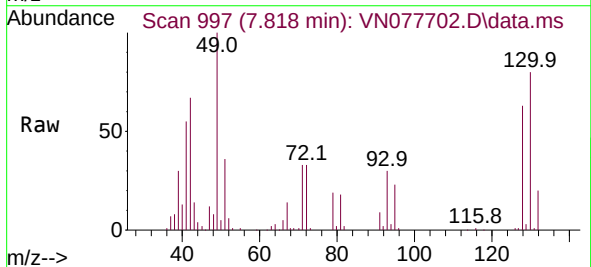
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

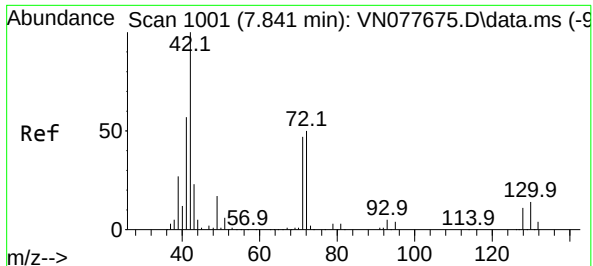
Tgt Ion: 96 Resp: 274691
 Ion Ratio Lower Upper
 96 100
 61 142.7 0.0 255.2
 98 65.2 0.0 128.8



#28
 Bromochloromethane
 Concen: 47.303 ug/l
 RT: 7.818 min Scan# 997
 Delta R.T. 0.000 min
 Lab File: VN077702.D
 Acq: 16 May 2023 19:01

Tgt Ion: 49 Resp: 172799
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.8
 130 81.0 75.3 112.9





#29

Tetrahydrofuran

Concen: 263.322 ug/l

RT: 7.848 min Scan# 1001

Delta R.T. 0.007 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

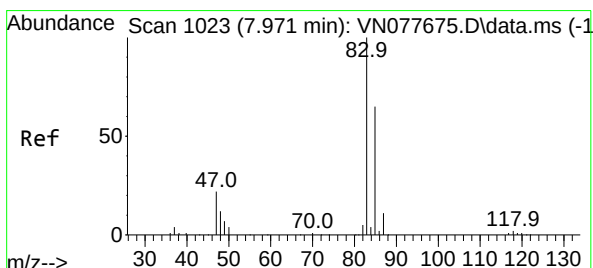
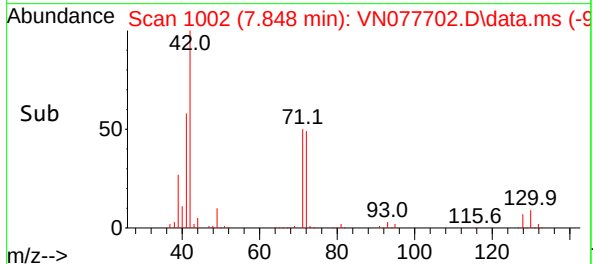
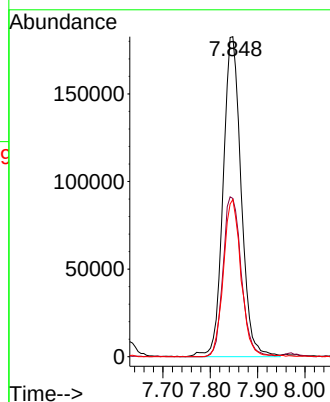
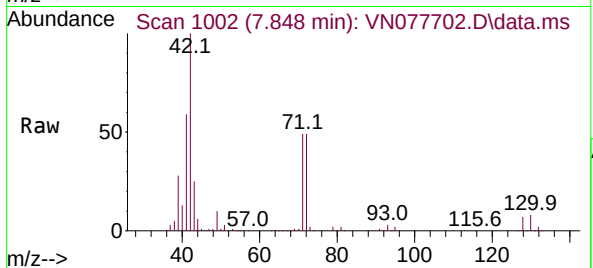
Tgt Ion: 42 Resp: 483361

Ion Ratio Lower Upper

42 100

72 50.5 49.8 74.6

71 48.2 47.4 71.2



#30

Chloroform

Concen: 51.335 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VN077702.D

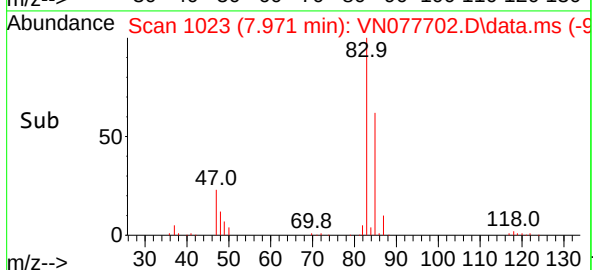
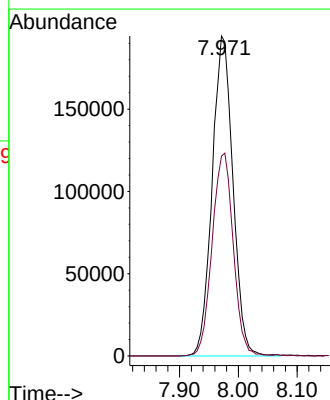
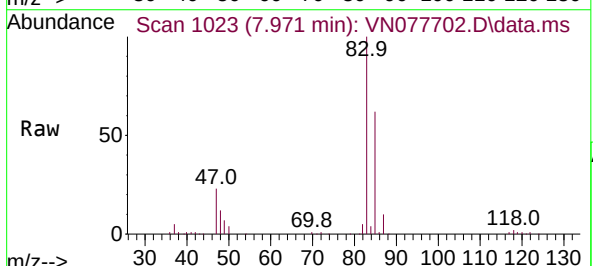
Acq: 16 May 2023 19:01

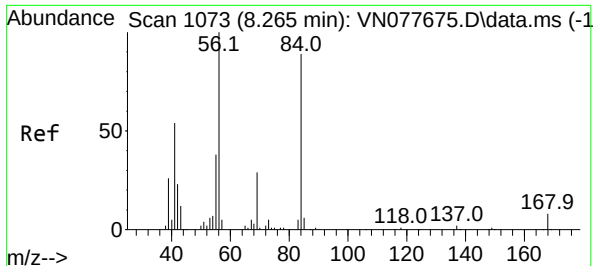
Tgt Ion: 83 Resp: 476998

Ion Ratio Lower Upper

83 100

85 62.4 55.4 83.0

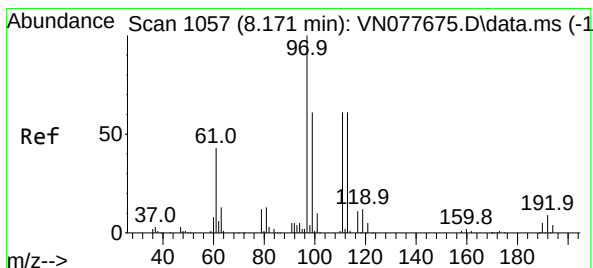
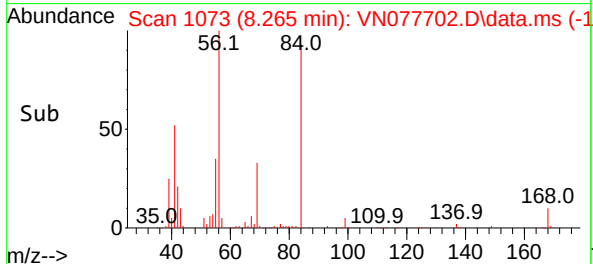
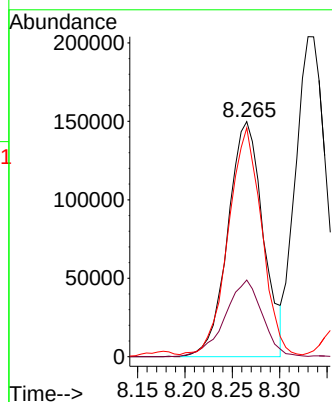
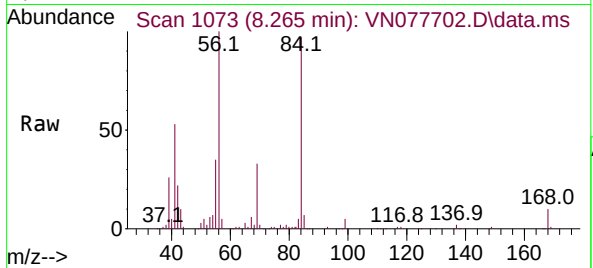




#31
Cyclohexane
Concen: 50.094 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

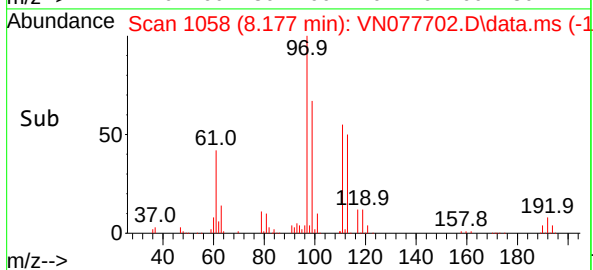
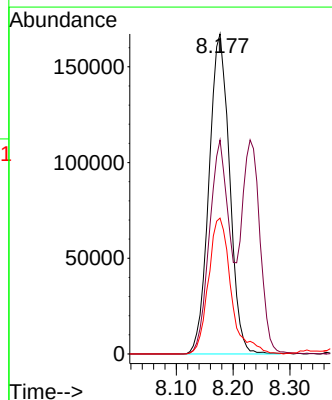
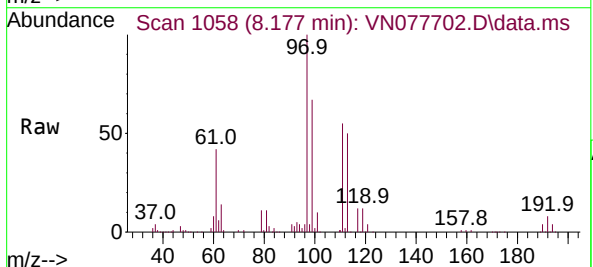
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

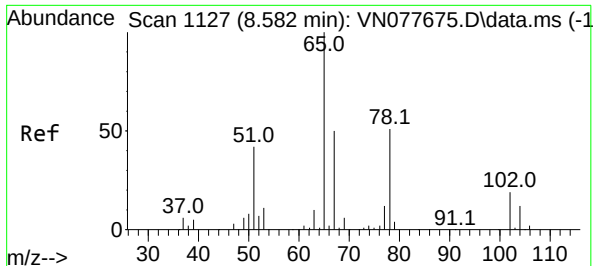
Tgt Ion: 56 Resp: 387819
Ion Ratio Lower Upper
56 100
69 32.3 26.8 40.2
84 96.4 81.8 122.6



#32
1,1,1-Trichloroethane
Concen: 53.178 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 97 Resp: 420095
Ion Ratio Lower Upper
97 100
99 66.7 50.3 75.5
61 46.6 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 45.666 ug/l

RT: 8.589 min Scan# 1128

Delta R.T. 0.007 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

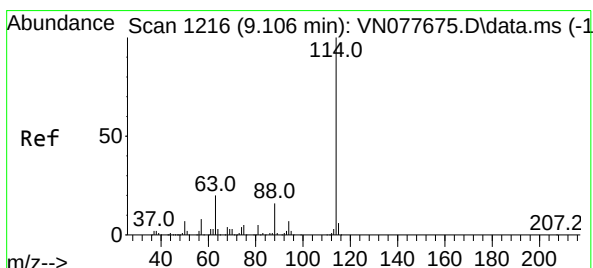
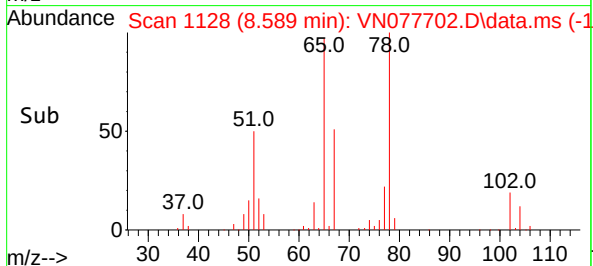
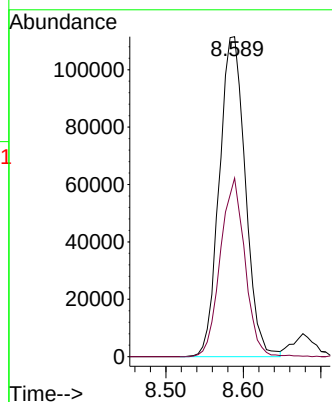
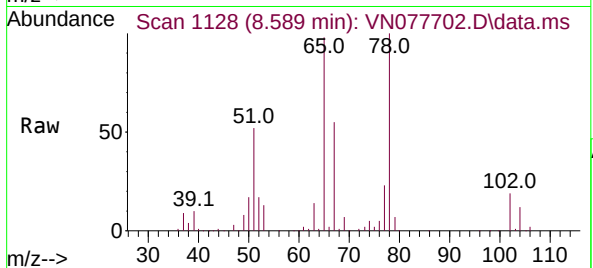
VSTDCCC050EC

Tgt Ion: 65 Resp: 260120

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

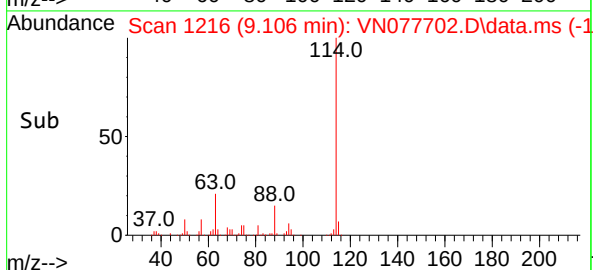
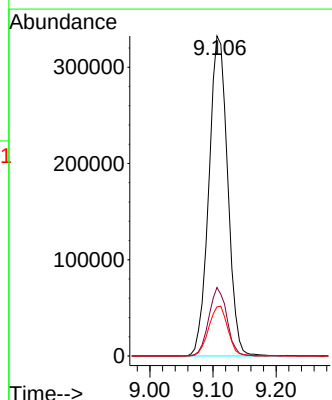
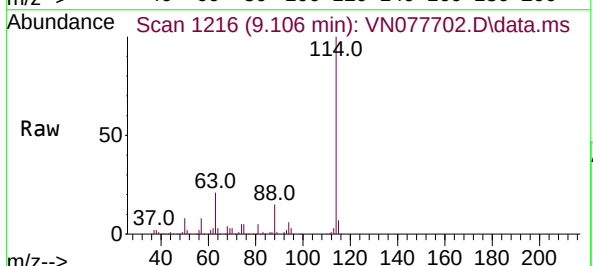
Tgt Ion: 114 Resp: 687063

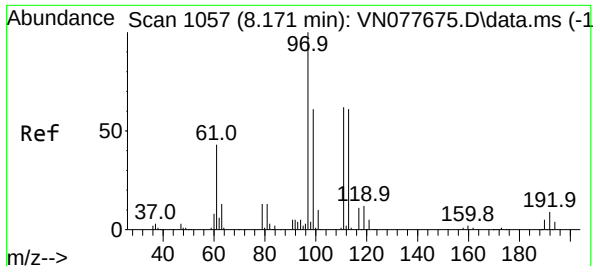
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.582 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

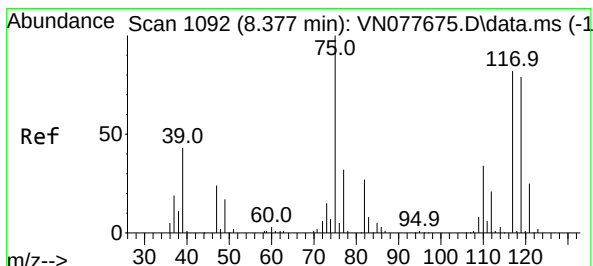
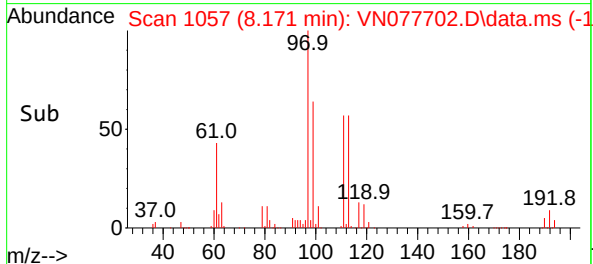
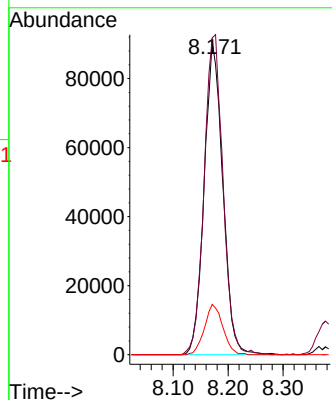
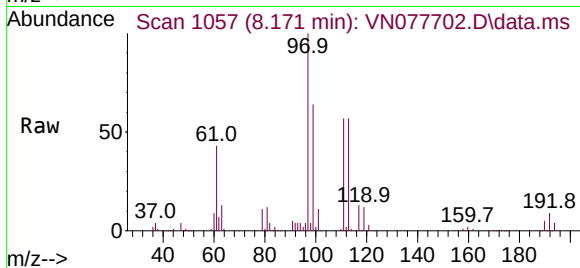
Tgt Ion:113 Resp: 213178

Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 15.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 53.653 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

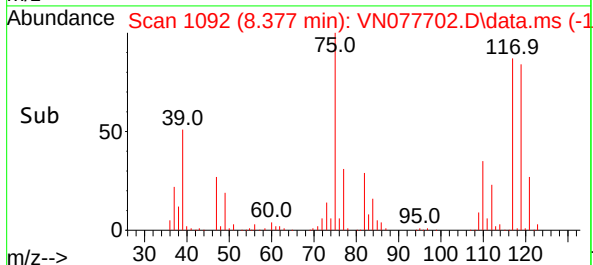
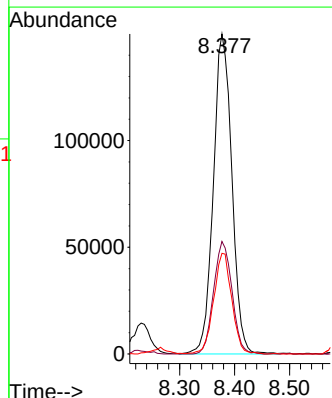
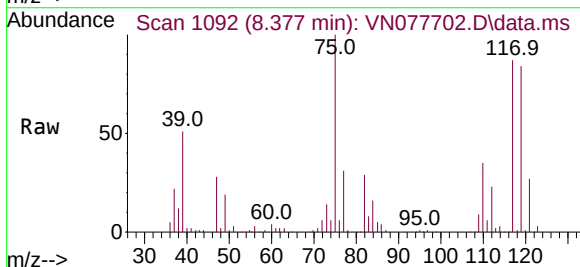
Tgt Ion: 75 Resp: 351590

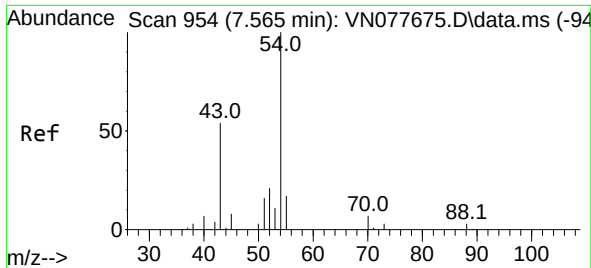
Ion Ratio Lower Upper

75 100

110 34.9 19.1 57.3

77 30.9 25.0 37.4

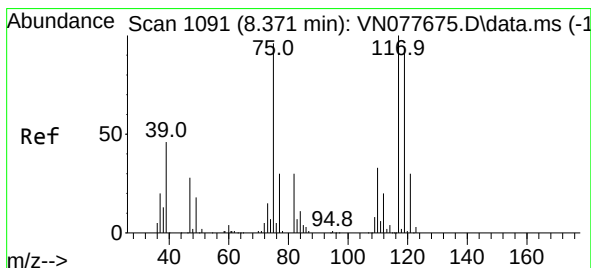
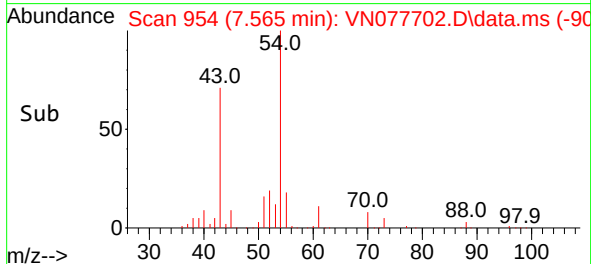
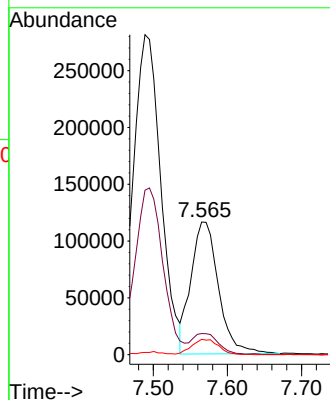
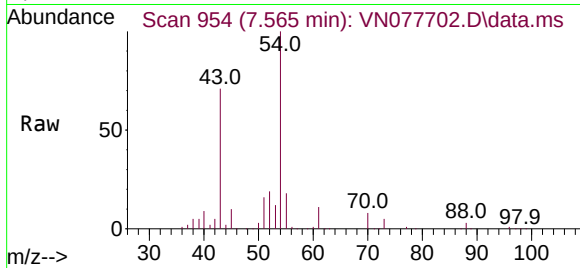




#37
Ethyl Acetate
Concen: 51.413 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

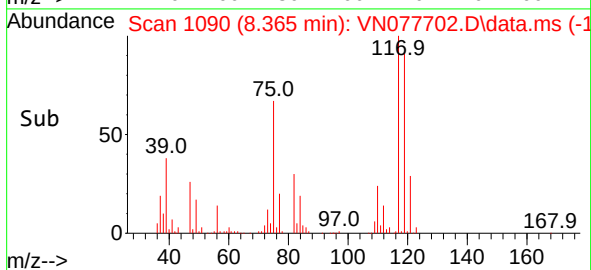
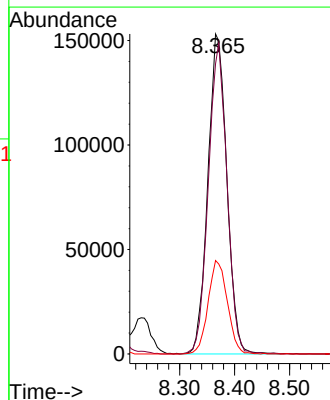
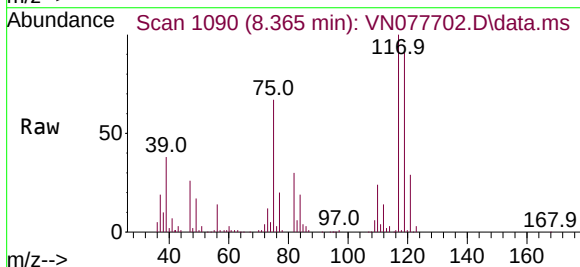
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

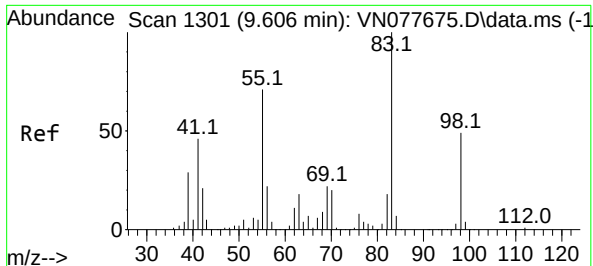
Tgt Ion: 43 Resp: 300295
Ion Ratio Lower Upper
43 100
61 15.5 13.2 19.8
70 11.3 11.3 16.9



#38
Carbon Tetrachloride
Concen: 55.582 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 117 Resp: 367801
Ion Ratio Lower Upper
117 100
119 90.7 77.3 115.9
121 29.2 23.3 34.9





#39

Methylcyclohexane

Concen: 53.745 ug/l

RT: 9.606 min Scan# 11301

Delta R.T. 0.000 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

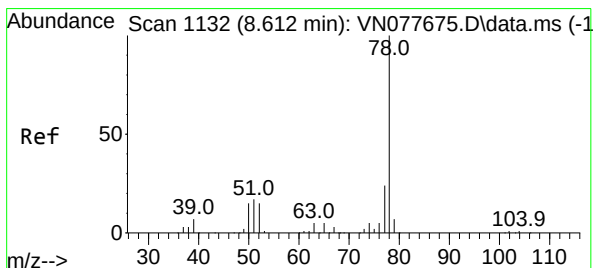
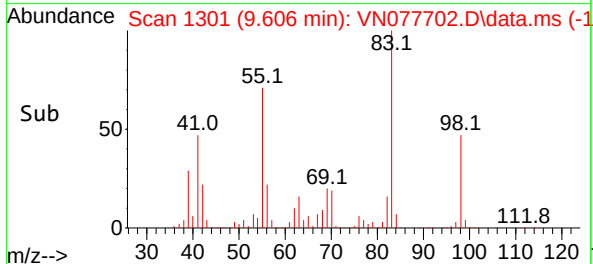
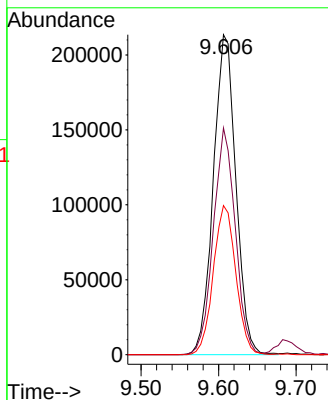
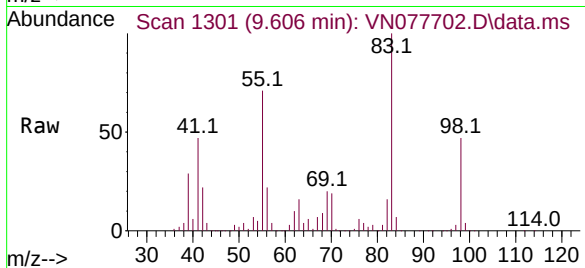
Tgt Ion: 83 Resp: 431174

Ion Ratio Lower Upper

83 100

55 70.9 49.1 73.7

98 46.6 40.6 61.0



#40

Benzene

Concen: 53.650 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN077702.D

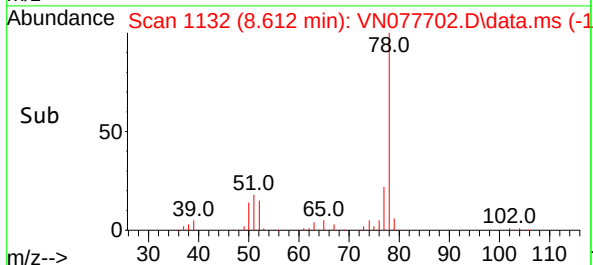
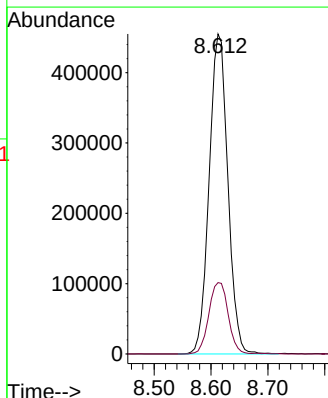
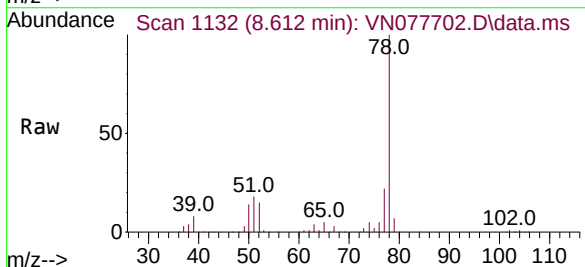
Acq: 16 May 2023 19:01

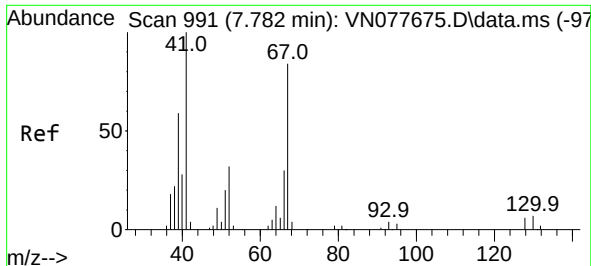
Tgt Ion: 78 Resp: 1037472

Ion Ratio Lower Upper

78 100

77 22.3 19.0 28.6

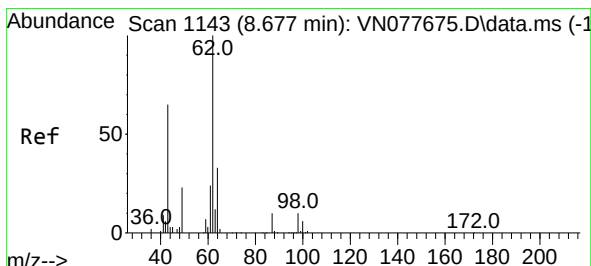
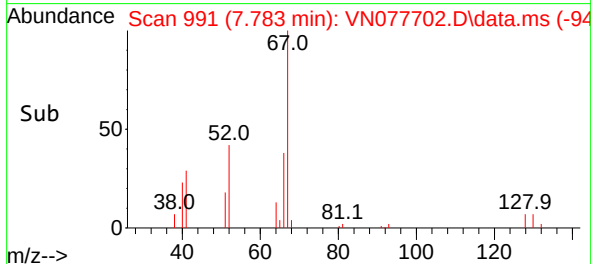
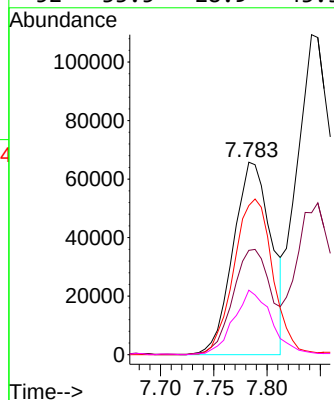
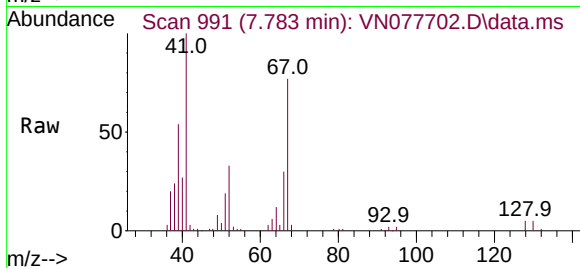




#41
Methacrylonitrile
Concen: 52.794 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

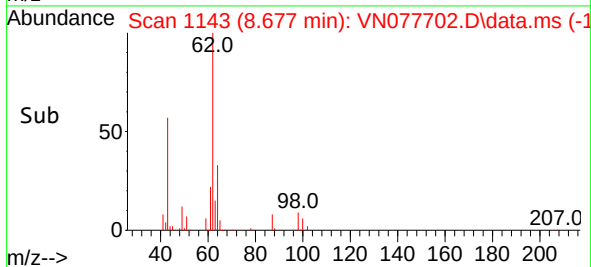
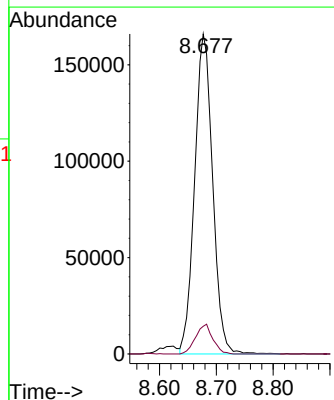
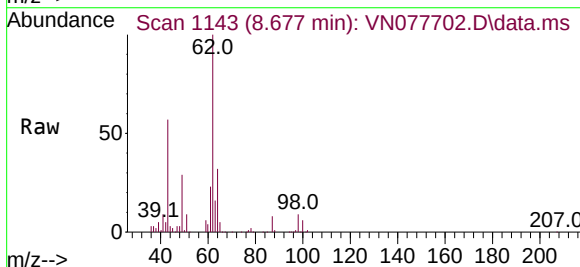
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

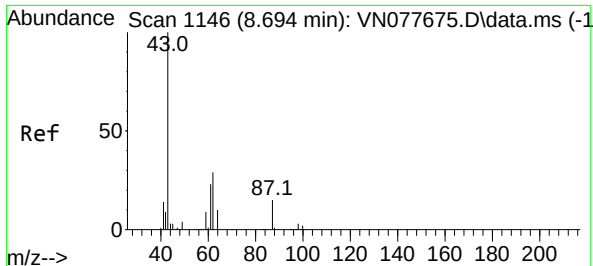
Tgt Ion:	41	Resp:	164221
Ion	Ratio	Lower	Upper
41	100		
39	54.6	42.6	64.0
67	82.7	77.5	116.3
52	33.5	28.9	43.3



#42
1,2-Dichloroethane
Concen: 52.158 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion:	62	Resp:	366390
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.8





#43

Isopropyl Acetate

Concen: 54.950 ug/l

RT: 8.695 min Scan# 1146

Delta R.T. 0.001 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

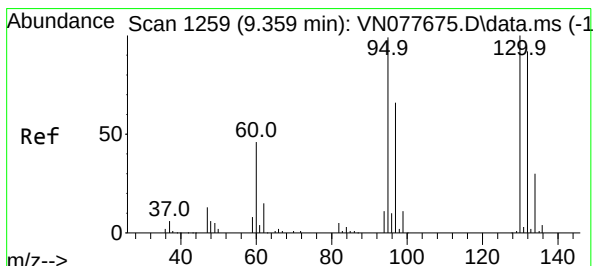
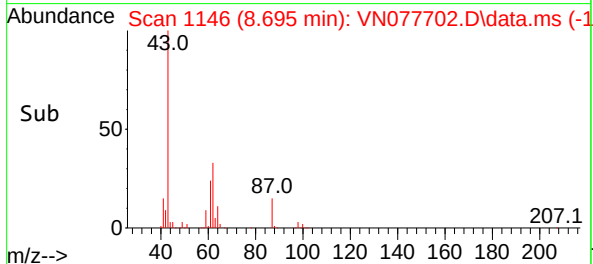
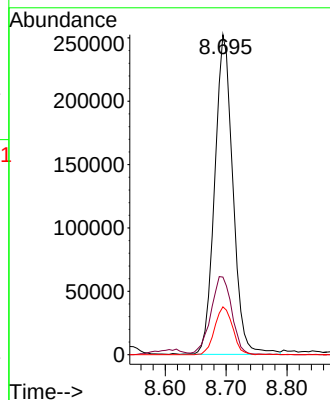
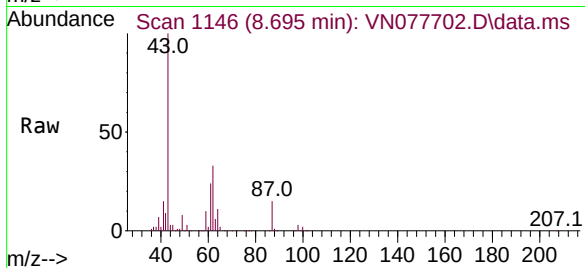
Tgt Ion: 43 Resp: 524248

Ion Ratio Lower Upper

43 100

61 27.9 24.7 37.1

87 14.8 14.6 21.8



#44

Trichloroethene

Concen: 52.157 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN077702.D

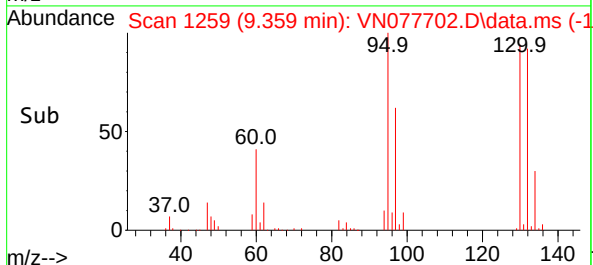
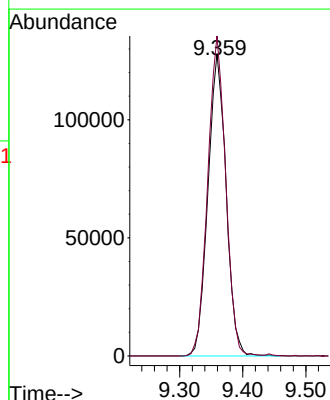
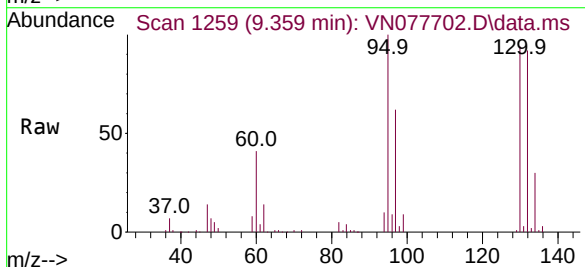
Acq: 16 May 2023 19:01

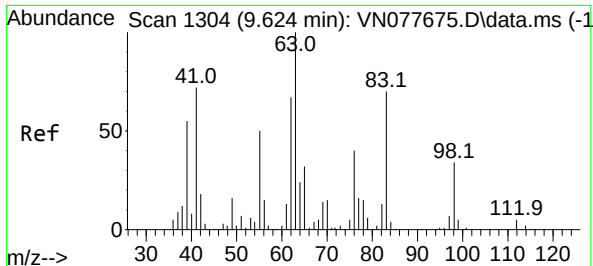
Tgt Ion:130 Resp: 255388

Ion Ratio Lower Upper

130 100

95 105.9 0.0 204.6





#45

1,2-Dichloropropane

Concen: 54.729 ug/l

RT: 9.630 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

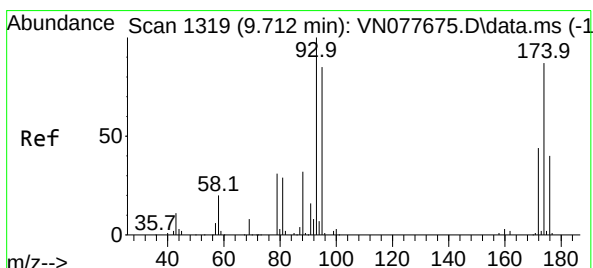
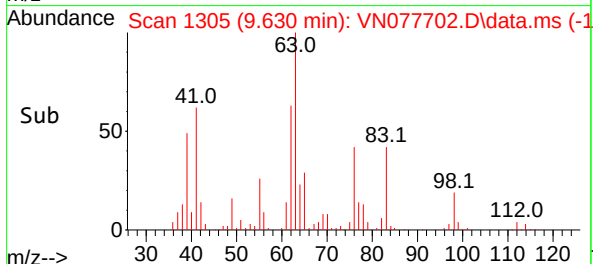
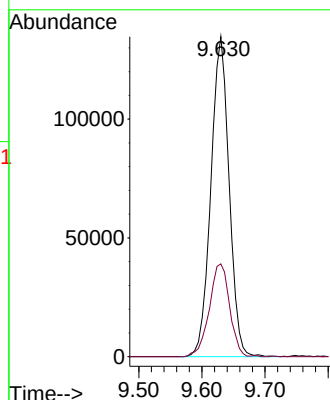
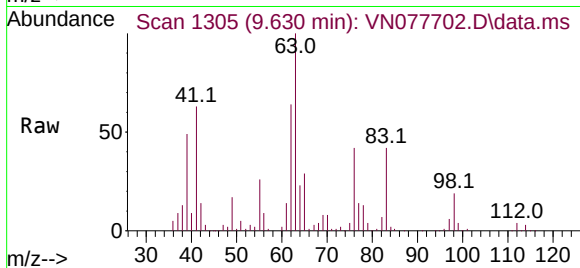
VSTDCCC050EC

Tgt Ion: 63 Resp: 269955

Ion Ratio Lower Upper

63 100

65 29.0 23.9 35.9



#46

Dibromomethane

Concen: 53.189 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

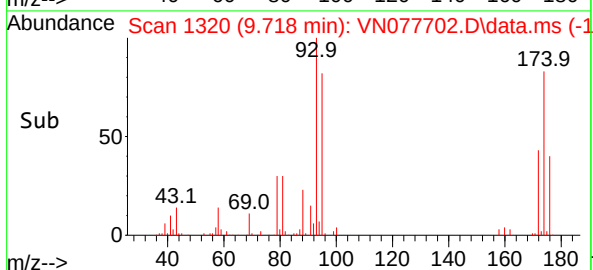
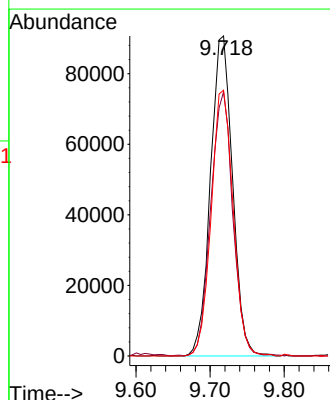
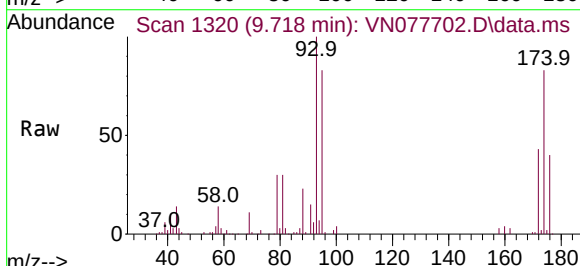
Tgt Ion: 93 Resp: 187733

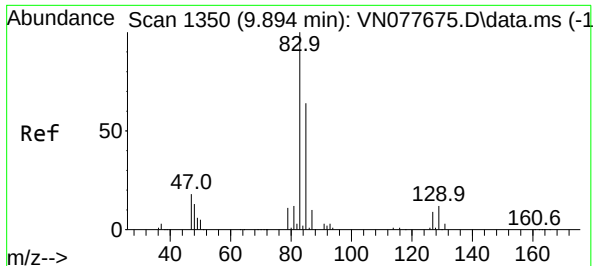
Ion Ratio Lower Upper

93 100

95 82.5 63.8 95.8

174 82.7 65.6 98.4

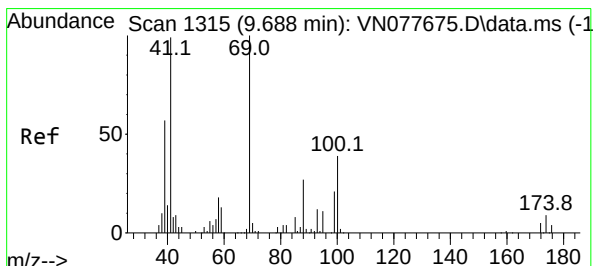
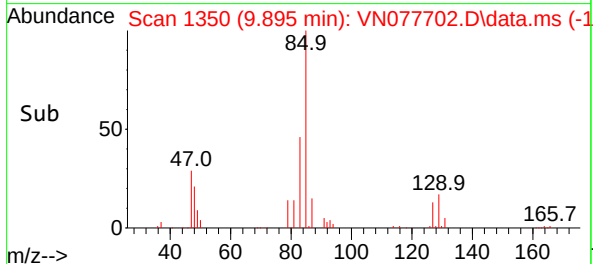
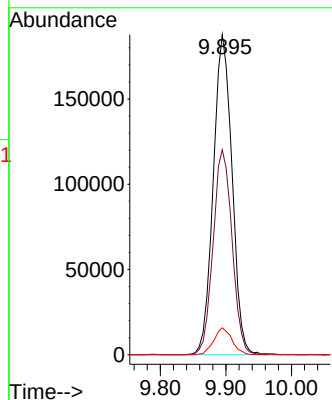
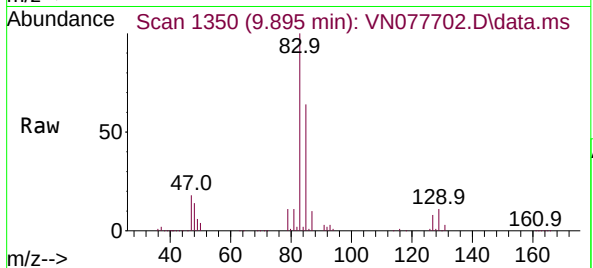




#47
Bromodichloromethane
Concen: 55.099 ug/l
RT: 9.895 min Scan# 1350
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

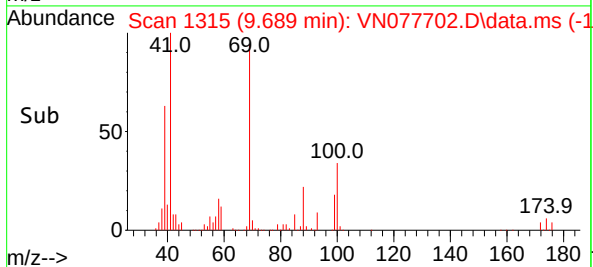
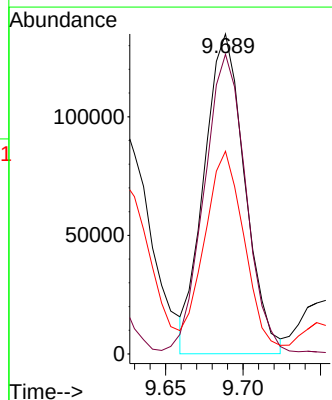
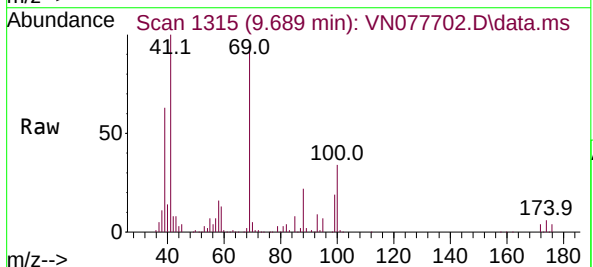
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

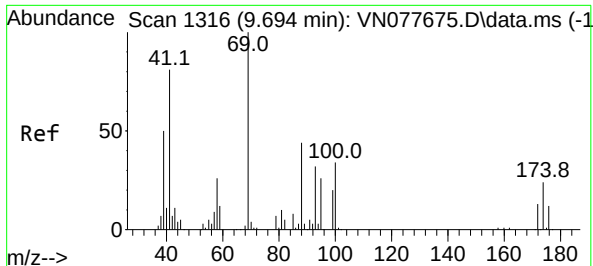
Tgt Ion: 83 Resp: 372326
Ion Ratio Lower Upper
83 100
85 64.0 49.6 74.4
127 8.4 7.0 10.6



#48
Methyl methacrylate
Concen: 54.481 ug/l
RT: 9.689 min Scan# 1315
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 41 Resp: 246432
Ion Ratio Lower Upper
41 100
69 97.1 90.4 135.6
39 62.3 54.6 81.8





#49

1,4-Dioxane

Concen: 1122.606 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

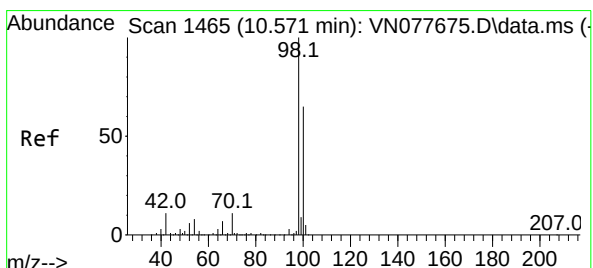
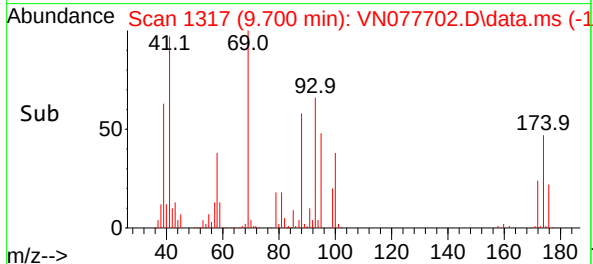
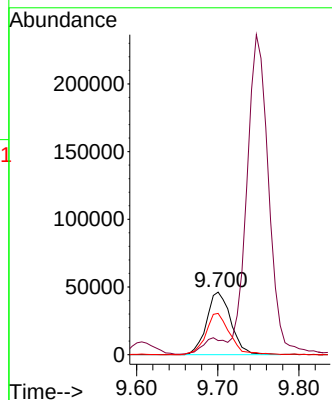
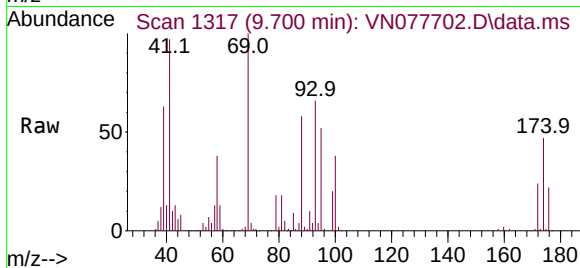
Tgt Ion: 88 Resp: 95907

Ion Ratio Lower Upper

88 100

43 24.3 17.0 25.6

58 65.2 47.0 70.4



#50

Toluene-d8

Concen: 48.072 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN077702.D

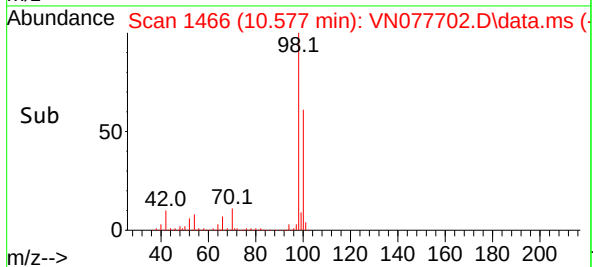
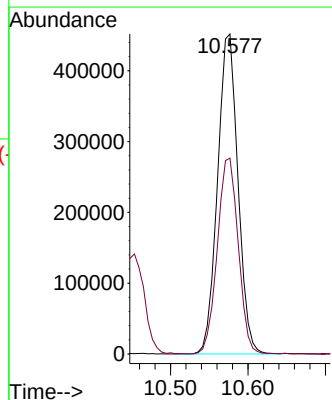
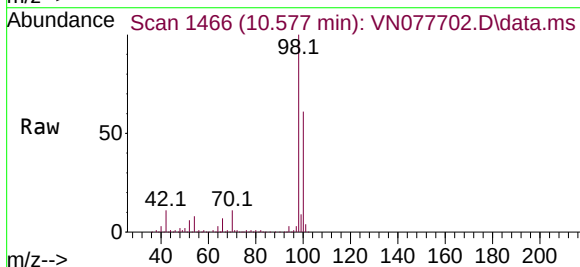
Acq: 16 May 2023 19:01

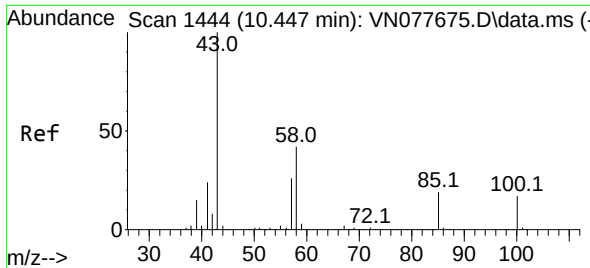
Tgt Ion: 98 Resp: 828990

Ion Ratio Lower Upper

98 100

100 62.7 52.0 78.0

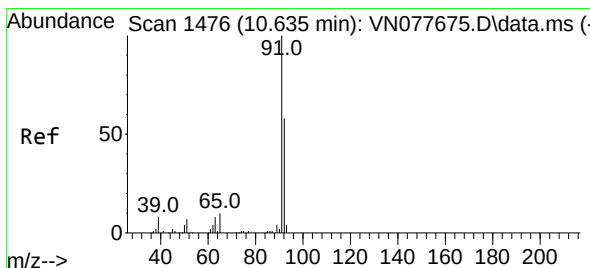
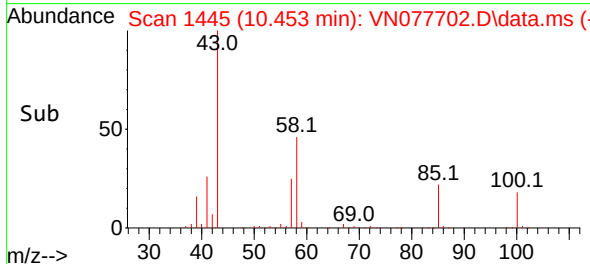
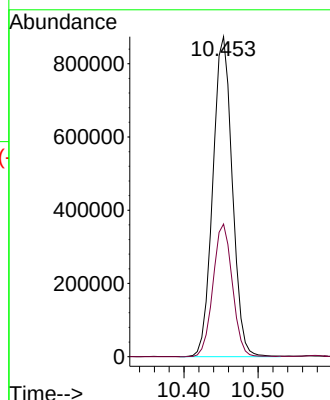
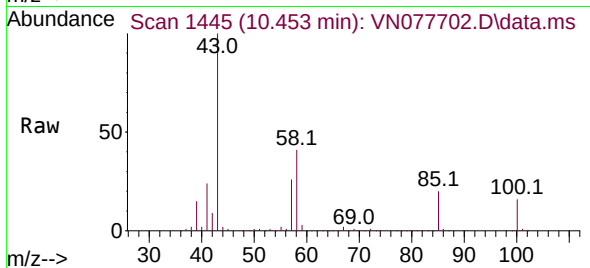




#51
4-Methyl-2-Pentanone
Concen: 280.884 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

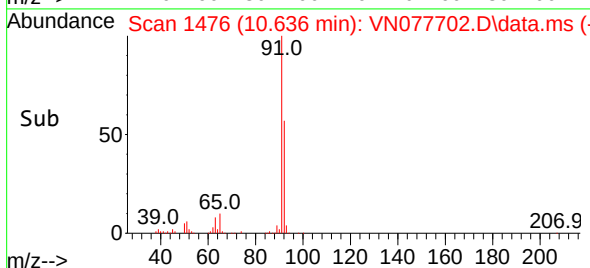
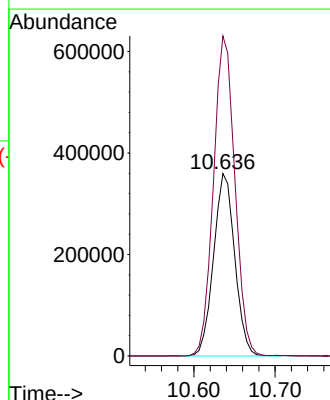
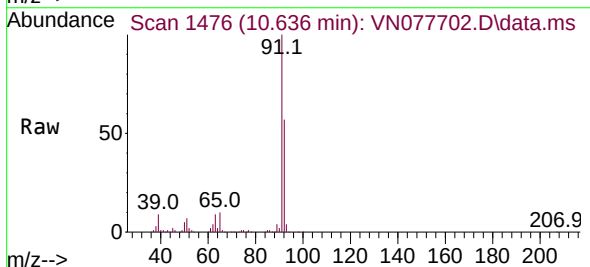
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

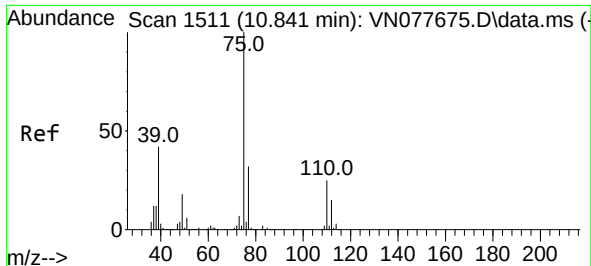
Tgt Ion: 43 Resp: 1592868
Ion Ratio Lower Upper
43 100
58 41.2 36.6 54.8



#52
Toluene
Concen: 54.118 ug/l
RT: 10.636 min Scan# 1476
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 92 Resp: 651517
Ion Ratio Lower Upper
92 100
91 177.5 137.4 206.0

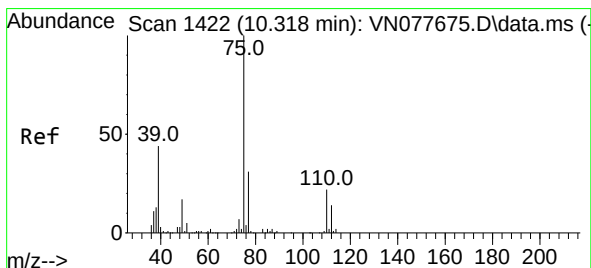
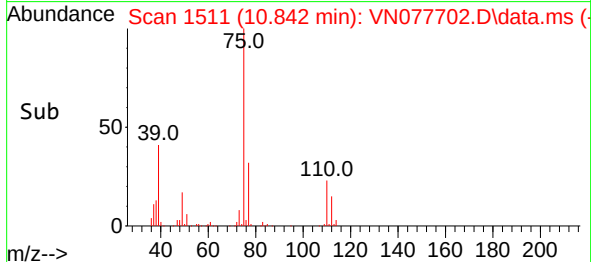
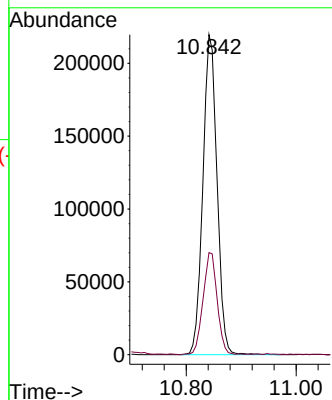
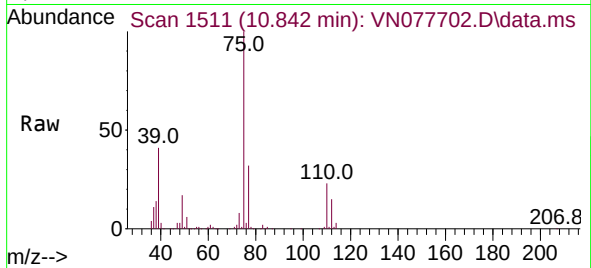




#53
t-1,3-Dichloropropene
Concen: 54.729 ug/l
RT: 10.842 min Scan# 1511
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

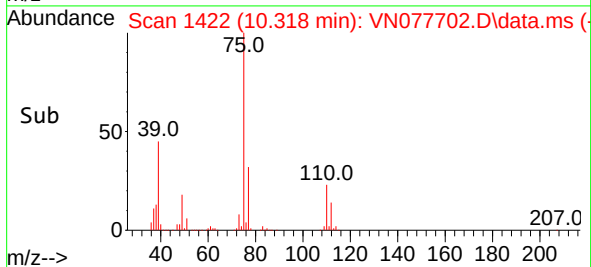
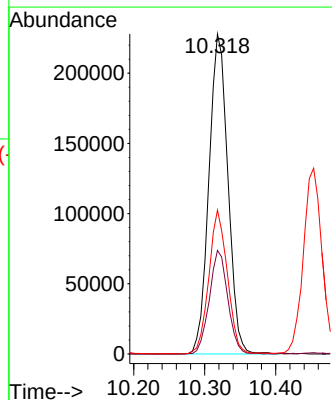
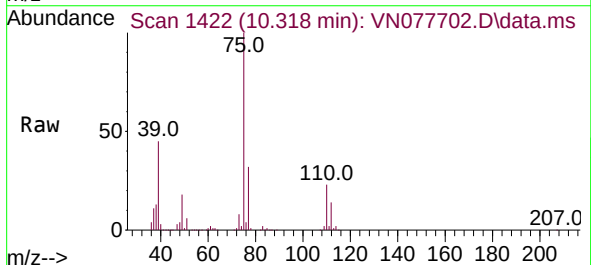
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

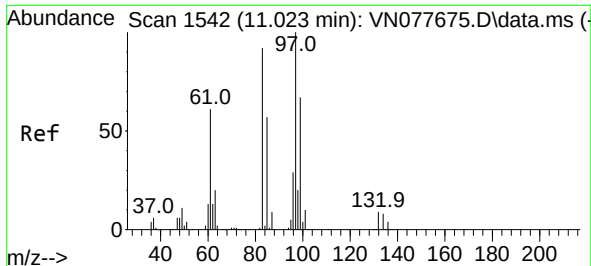
Tgt Ion: 75 Resp: 391634
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 53.720 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 75 Resp: 423621
Ion Ratio Lower Upper
75 100
77 32.4 26.1 39.1
39 44.8 31.6 47.4

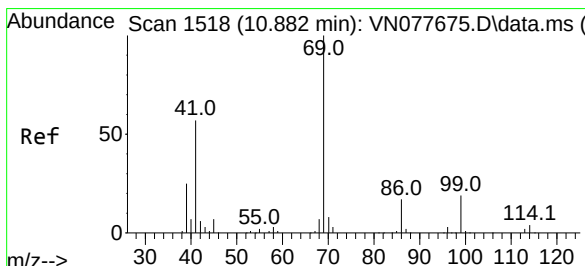
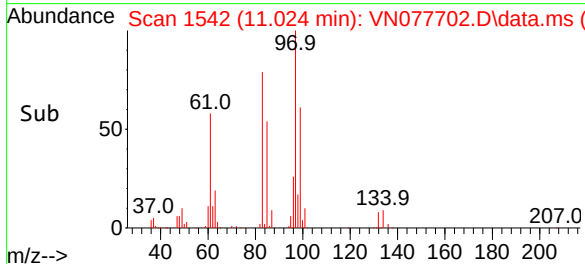
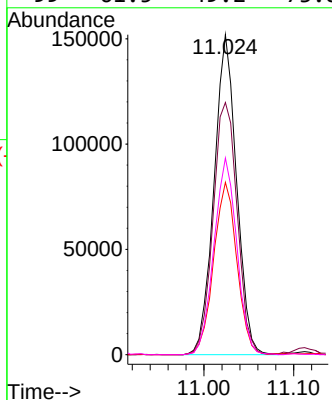
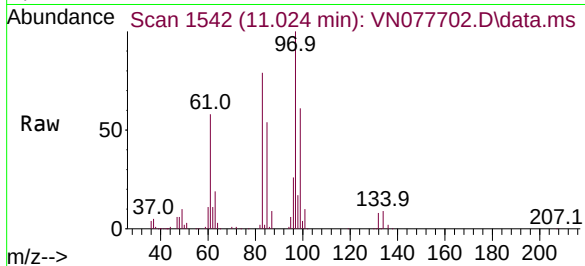




#55
1,1,2-Trichloroethane
Concen: 55.373 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

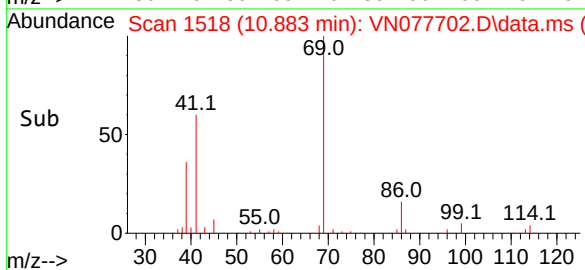
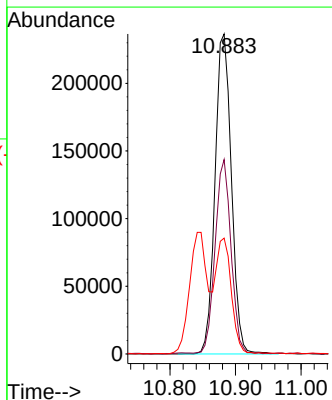
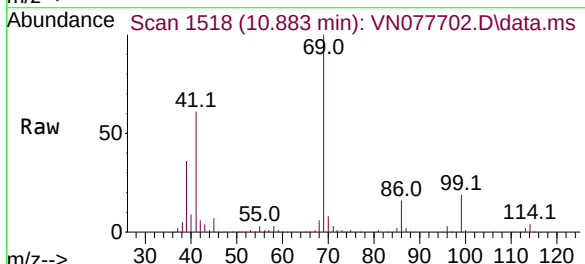
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

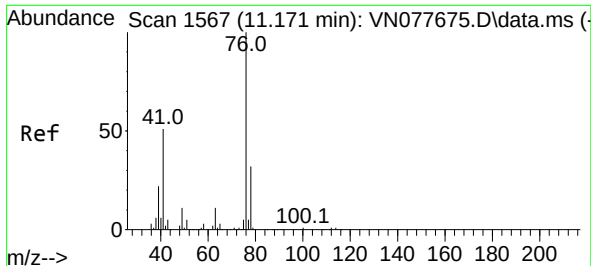
Tgt Ion:	97	Resp:	264692
Ion	Ratio	Lower	Upper
97	100		
83	78.8	65.1	97.7
85	53.9	43.4	65.2
99	61.5	49.2	73.8



#56
Ethyl methacrylate
Concen: 56.483 ug/l
RT: 10.883 min Scan# 1518
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion:	69	Resp:	408233
Ion	Ratio	Lower	Upper
69	100		
41	58.9	39.6	59.4
39	32.5	28.6	43.0





#57

1,3-Dichloropropane

Concen: 54.109 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

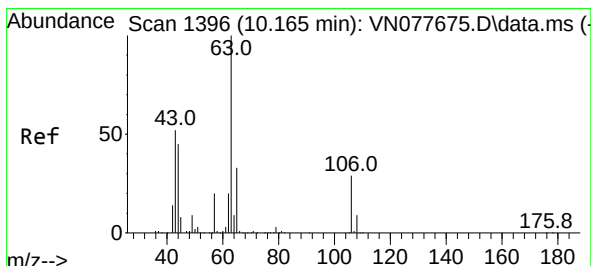
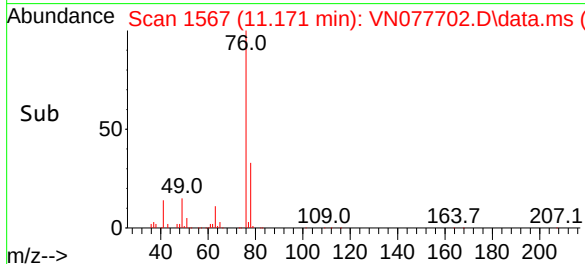
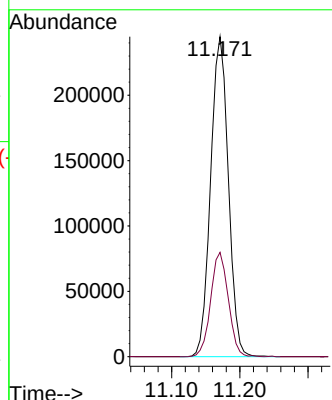
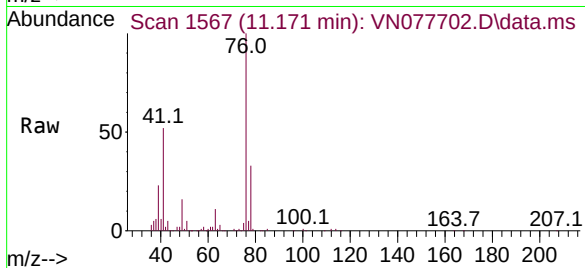
VSTDCCC050EC

Tgt Ion: 76 Resp: 443406

Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 284.737 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. 0.000 min

Lab File: VN077702.D

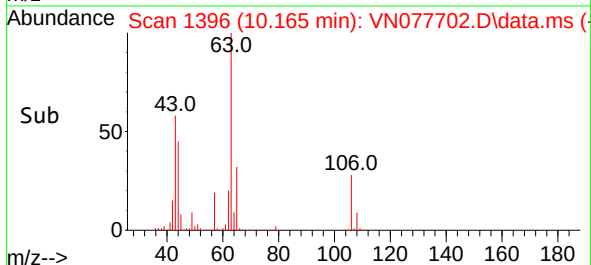
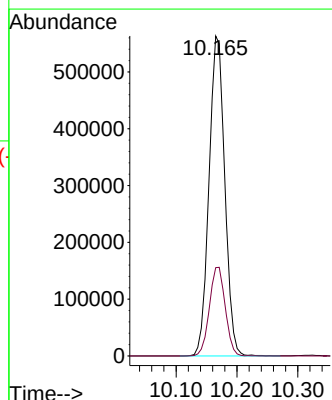
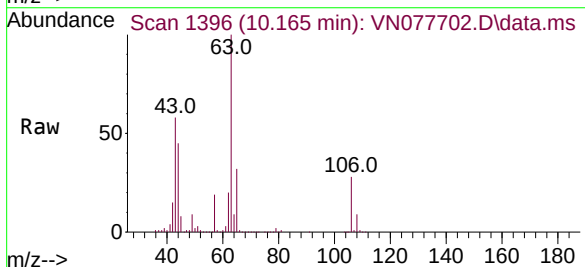
Acq: 16 May 2023 19:01

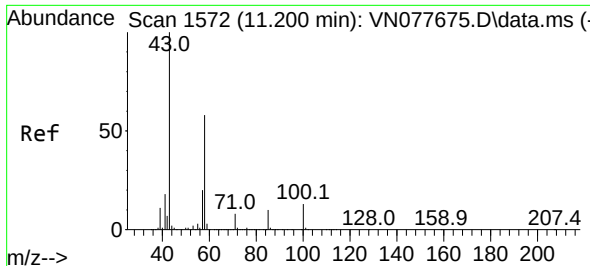
Tgt Ion: 63 Resp: 1012430

Ion Ratio Lower Upper

63 100

106 27.9 26.2 39.4

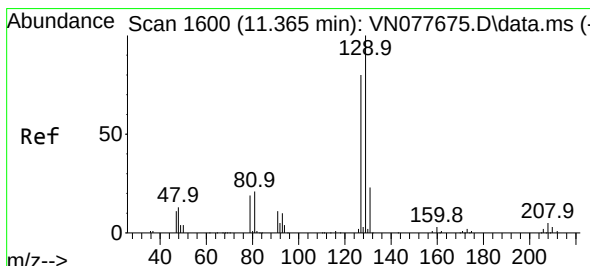
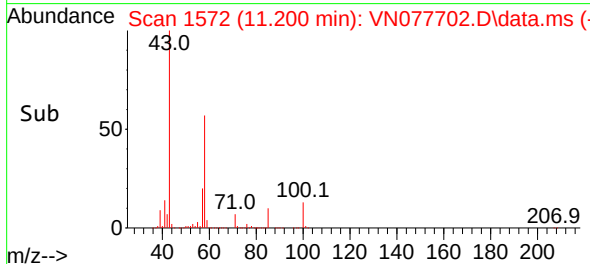
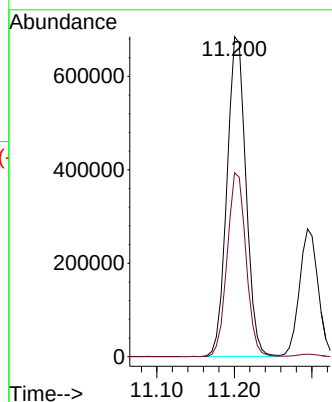
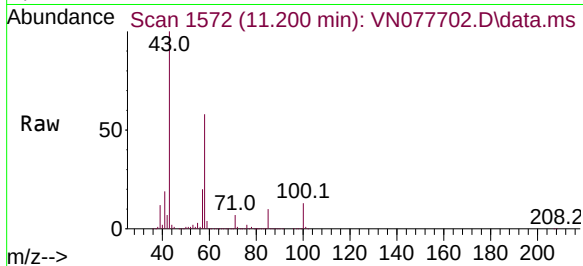




#59
2-Hexanone
Concen: 278.693 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

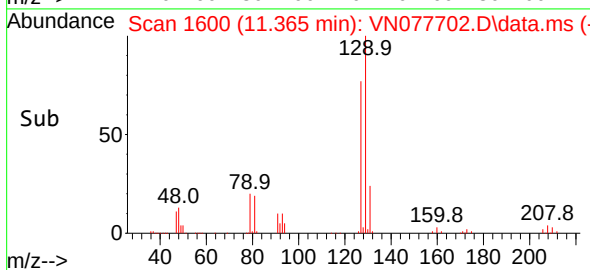
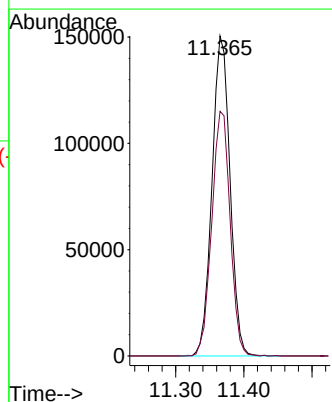
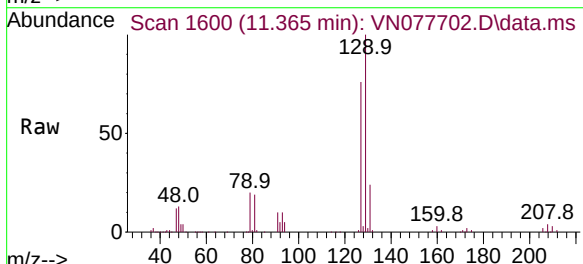
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

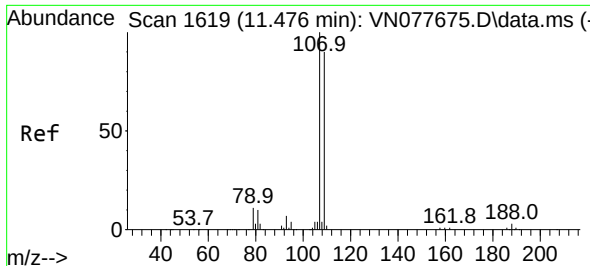
Tgt Ion: 43 Resp: 1168991
Ion Ratio Lower Upper
43 100
58 57.1 31.7 95.1



#60
Dibromochloromethane
Concen: 56.123 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 129 Resp: 276952
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0

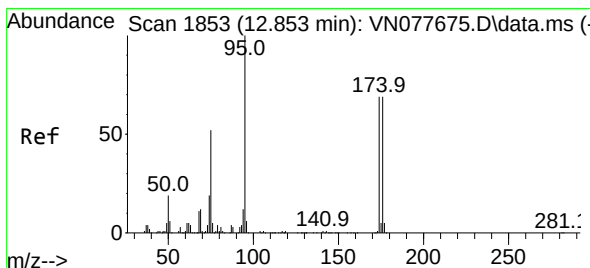
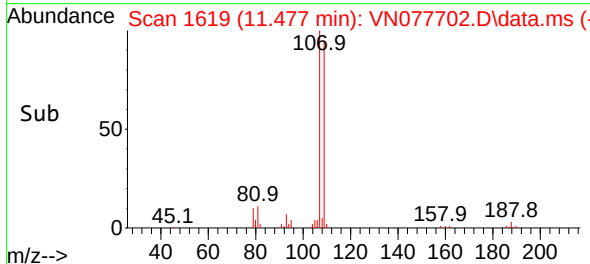
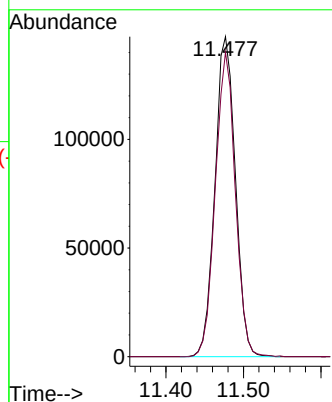
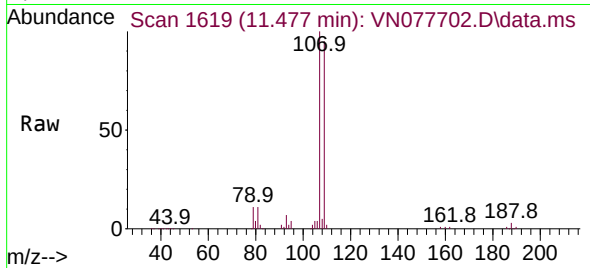




#61
1,2-Dibromoethane
Concen: 56.532 ug/l
RT: 11.477 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

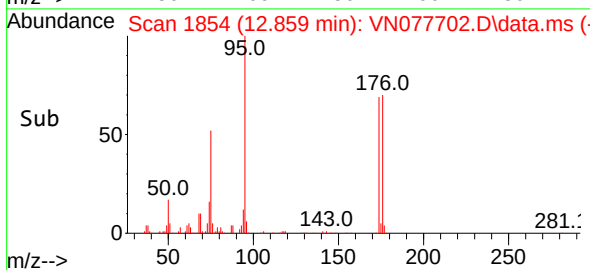
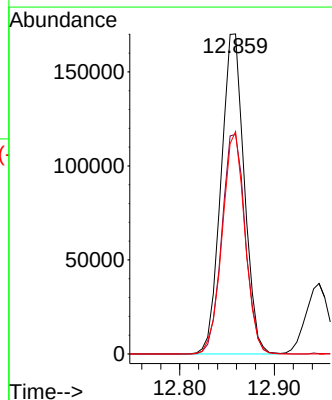
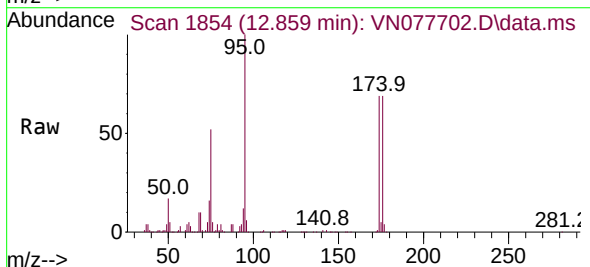
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

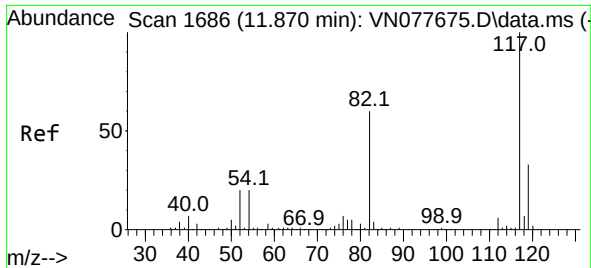
Tgt Ion:107 Resp: 269586
Ion Ratio Lower Upper
107 100
109 93.3 76.6 114.8



#62
4-Bromofluorobenzene
Concen: 47.673 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 95 Resp: 290354
Ion Ratio Lower Upper
95 100
174 69.4 0.0 143.8
176 67.6 0.0 135.8

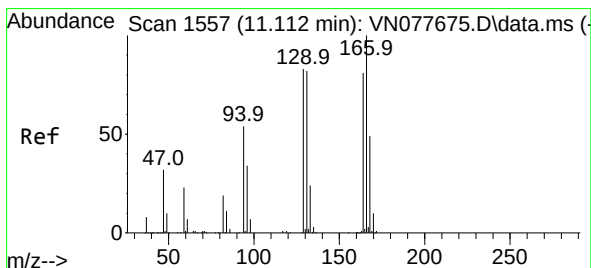
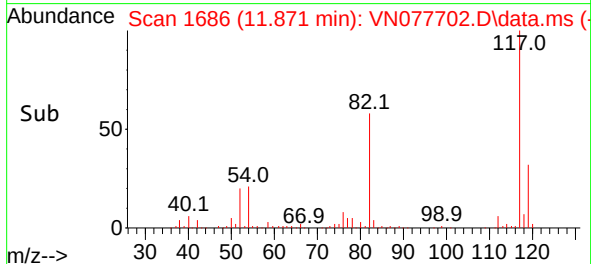
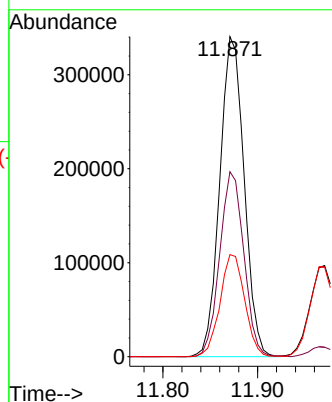
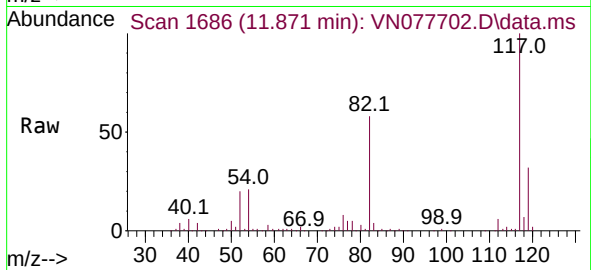




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

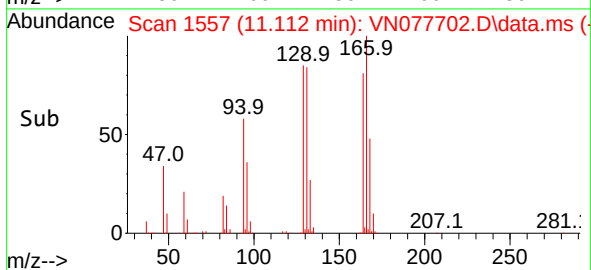
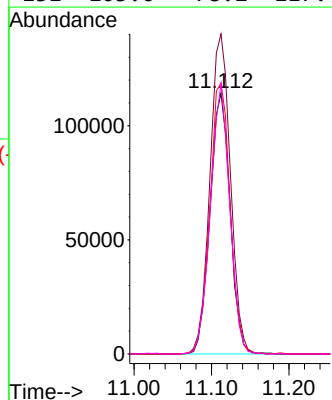
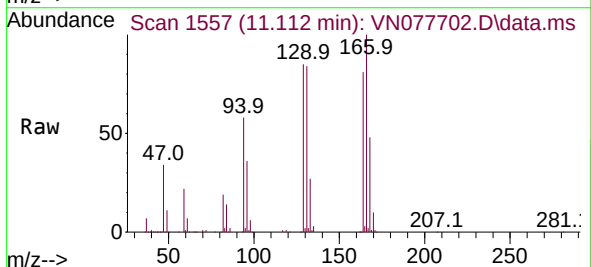
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

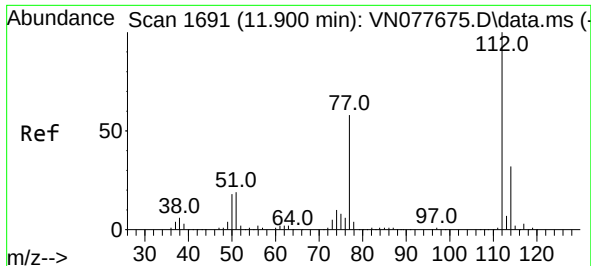
Tgt Ion:117 Resp: 608775
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 31.9 25.6 38.4



#64
Tetrachloroethene
Concen: 48.139 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion:164 Resp: 204943
Ion Ratio Lower Upper
164 100
166 122.7 101.4 152.0
129 103.9 82.4 123.6
131 103.6 78.2 117.4

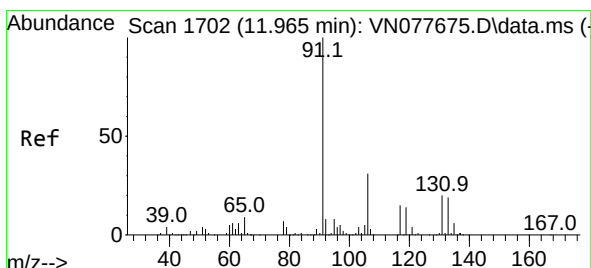
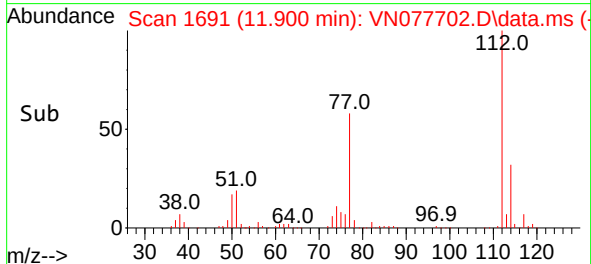
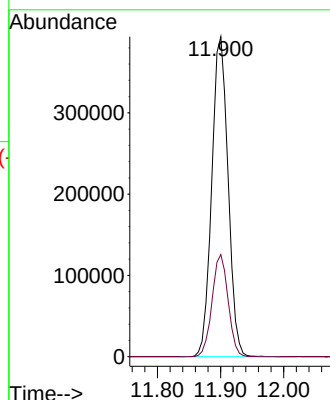
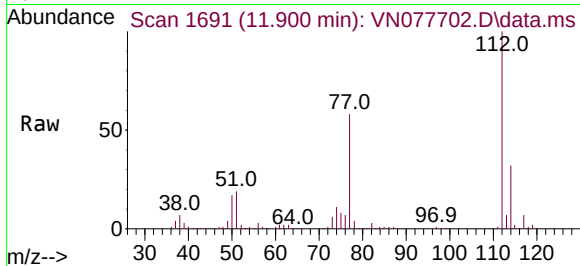




#65
Chlorobenzene
Concen: 53.421 ug/l
RT: 11.900 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

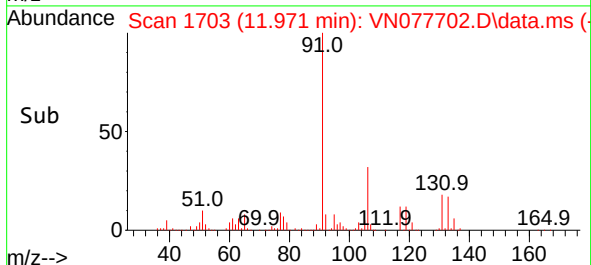
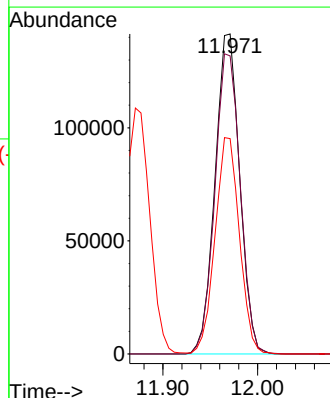
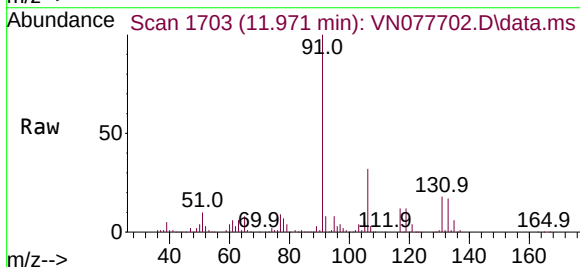
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

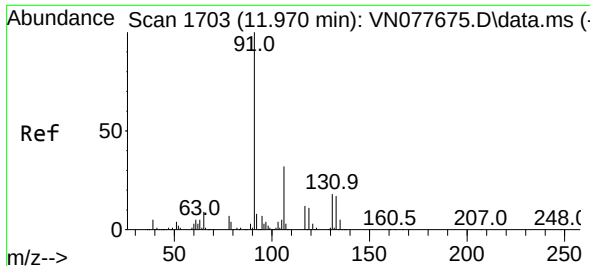
Tgt Ion:112 Resp: 705023
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 56.144 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion:131 Resp: 256380
Ion Ratio Lower Upper
131 100
133 96.4 46.4 139.1
119 66.9 34.1 102.2

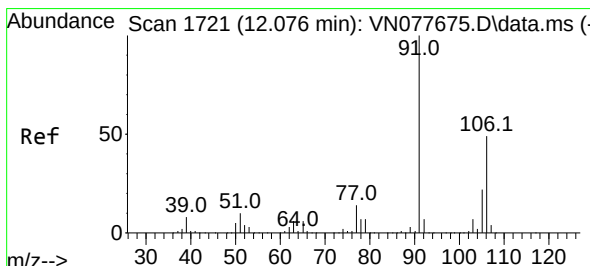
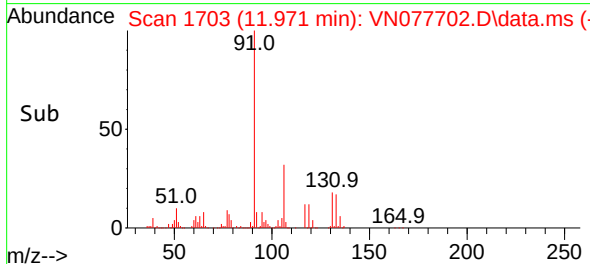
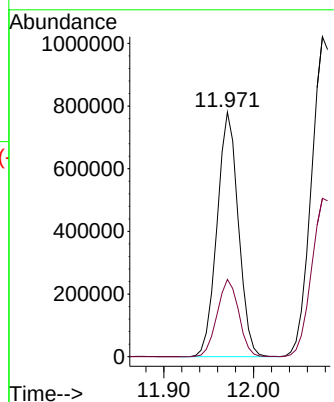
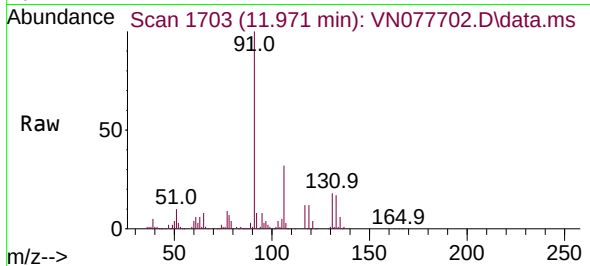




#67
Ethyl Benzene
Concen: 54.399 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

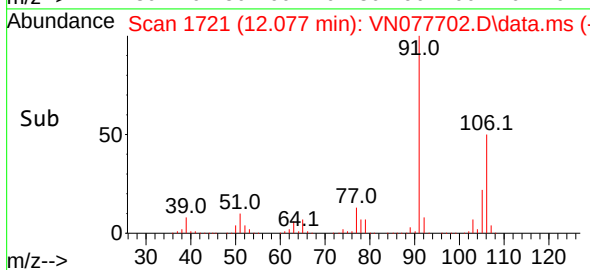
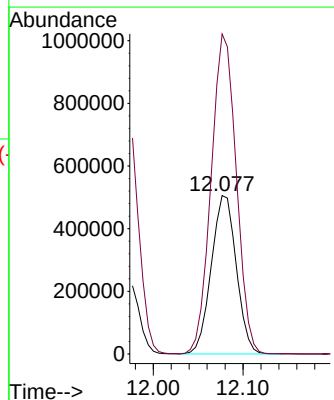
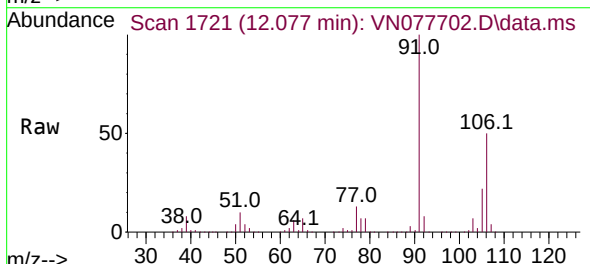
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

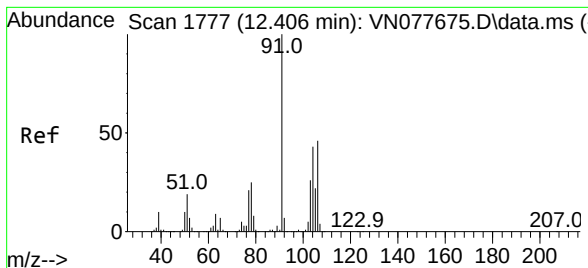
Tgt Ion: 91 Resp: 1286579
Ion Ratio Lower Upper
91 100
106 31.6 25.6 38.4



#68
m/p-Xylenes
Concen: 109.088 ug/l
RT: 12.077 min Scan# 1721
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion:106 Resp: 977582
Ion Ratio Lower Upper
106 100
91 203.6 159.6 239.4

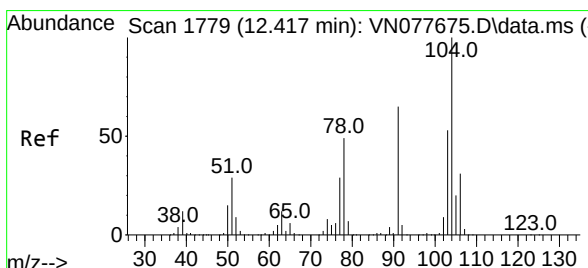
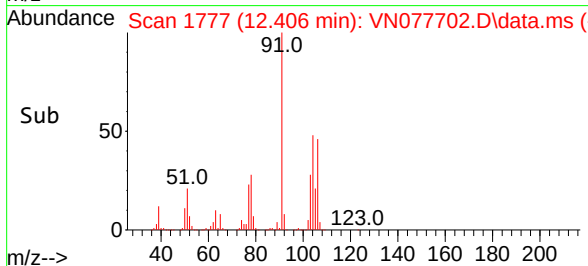
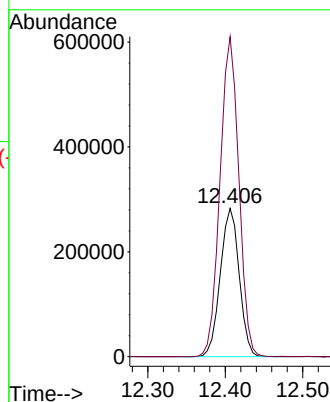
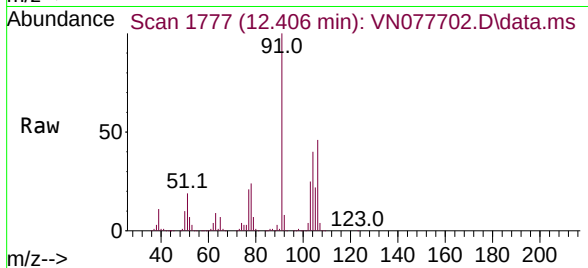




#69
o-Xylene
Concen: 54.402 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

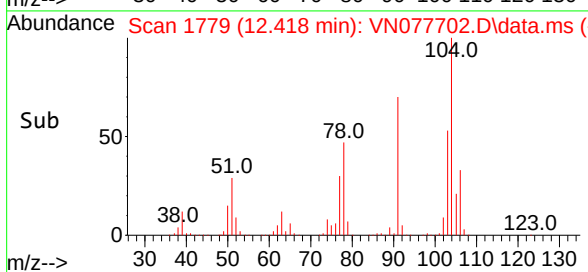
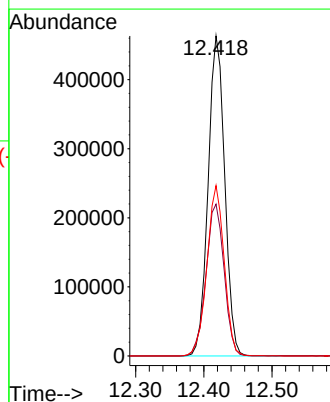
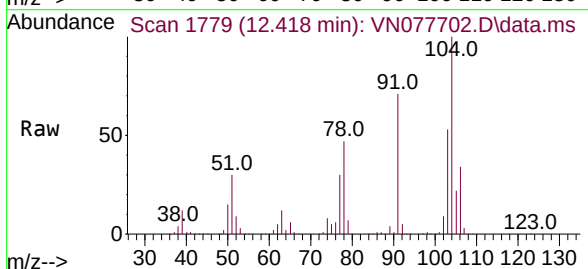
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

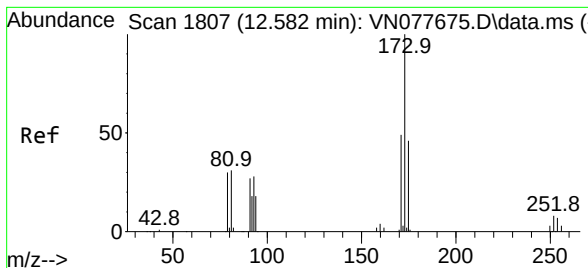
Tgt Ion:106 Resp: 479449
Ion Ratio Lower Upper
106 100
91 215.0 105.2 315.5



#70
Styrene
Concen: 56.113 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion:104 Resp: 785595
Ion Ratio Lower Upper
104 100
78 51.7 39.5 59.3
103 55.4 43.2 64.8





#71

Bromoform

Concen: 57.521 ug/l

RT: 12.588 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

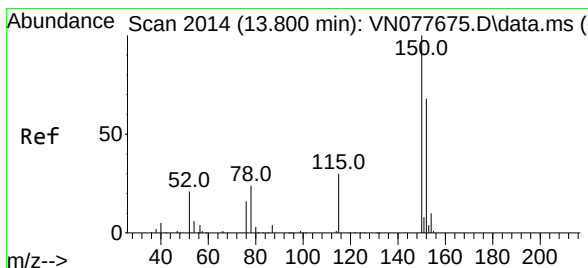
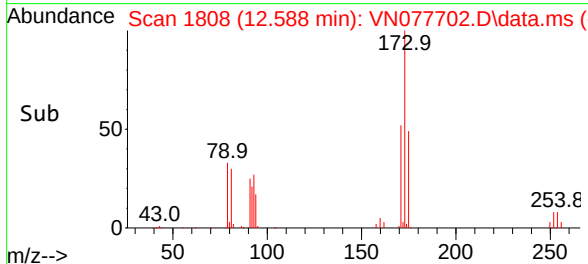
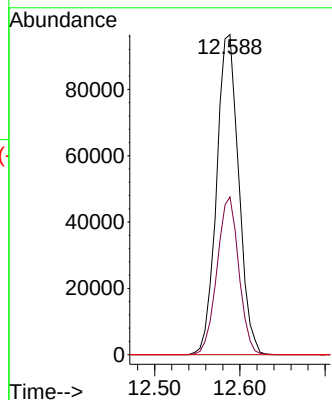
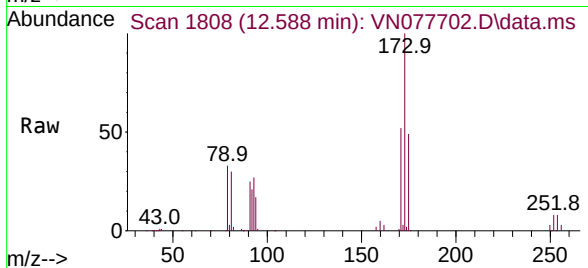
Tgt Ion:173 Resp: 174738

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

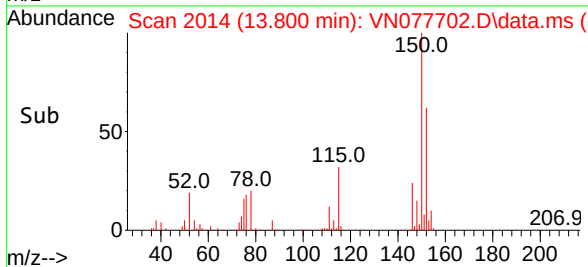
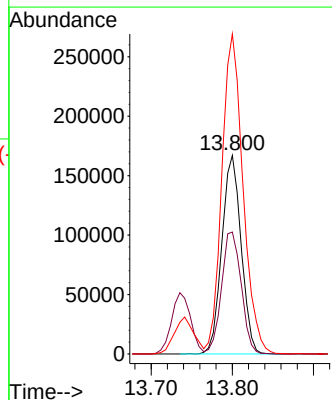
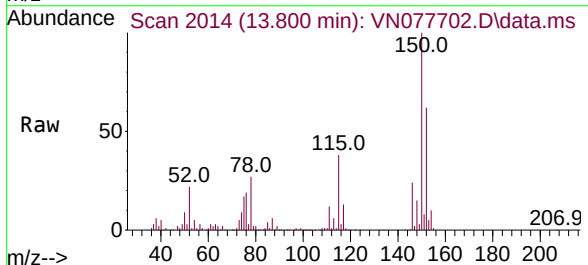
Tgt Ion:152 Resp: 275948

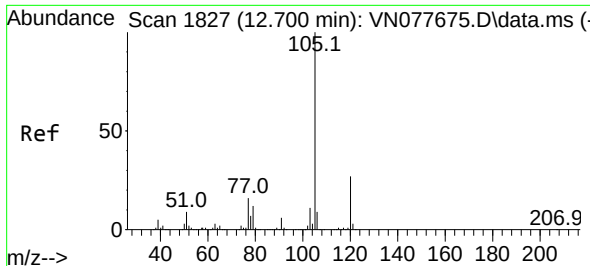
Ion Ratio Lower Upper

152 100

115 62.7 32.3 96.8

150 176.6 0.0 355.8

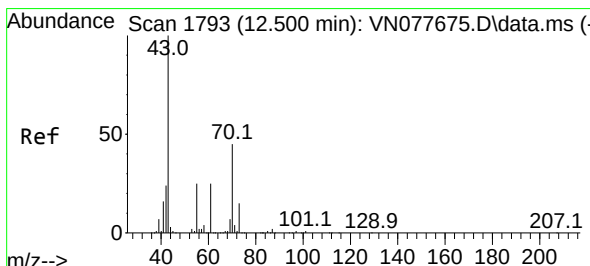
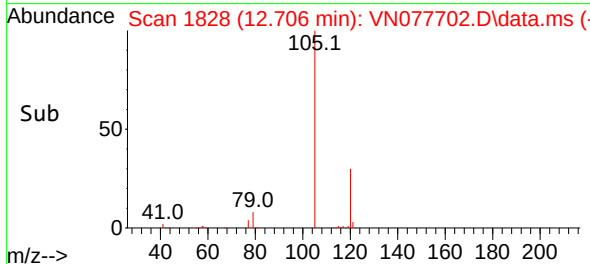
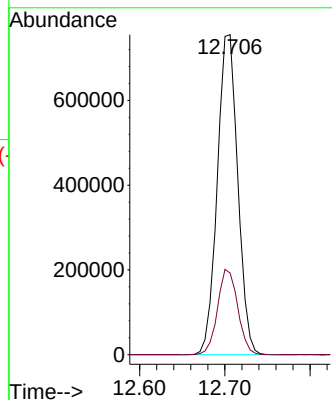
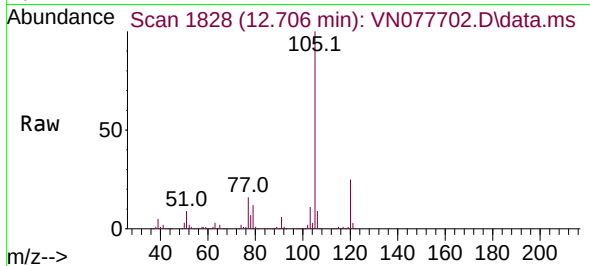




#73
Isopropylbenzene
Concen: 53.021 ug/l
RT: 12.706 min Scan# 1827
Delta R.T. 0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

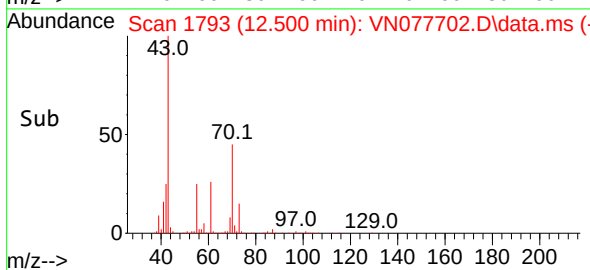
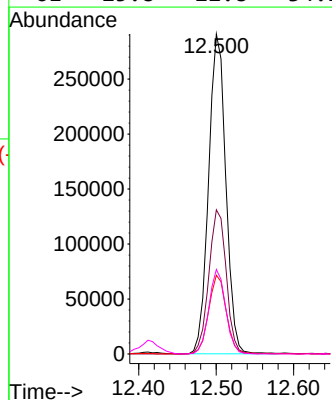
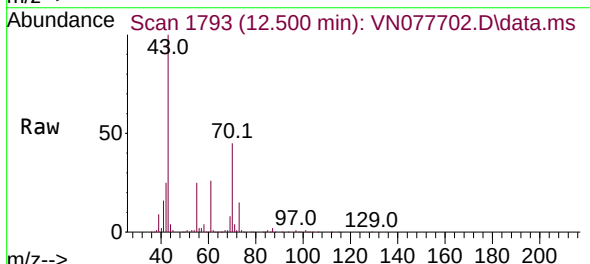
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

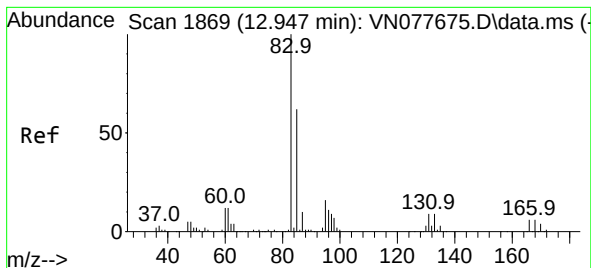
Tgt Ion:105 Resp: 1261188
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.1



#74
N-ethyl acetate
Concen: 51.196 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 43 Resp: 450126
Ion Ratio Lower Upper
43 100
70 45.7 43.4 65.2
55 25.1 21.4 32.0
61 25.8 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.455 ug/l

RT: 12.947 min Scan# 1869

Delta R.T. 0.000 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

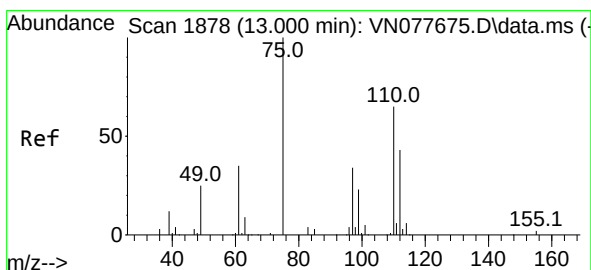
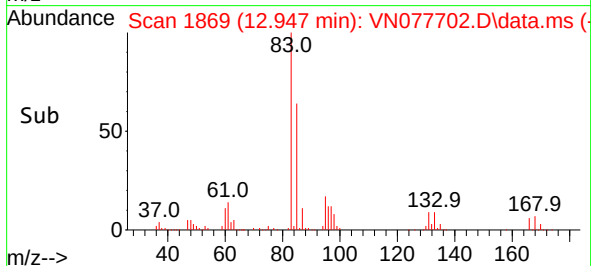
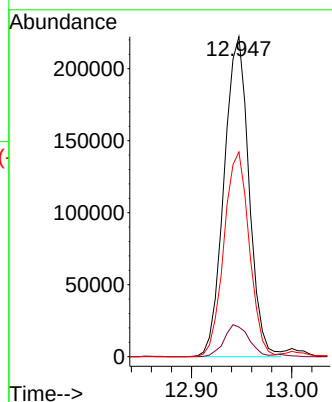
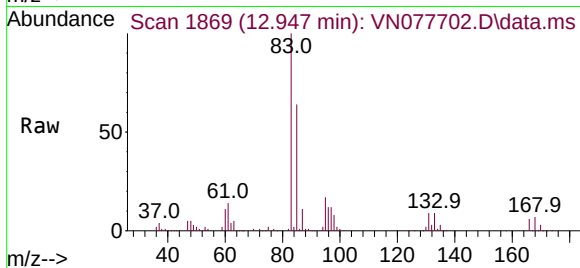
Tgt Ion: 83 Resp: 383851

Ion Ratio Lower Upper

83 100

131 10.4 5.0 15.0

85 65.0 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 68.395 ug/l

RT: 13.000 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VN077702.D

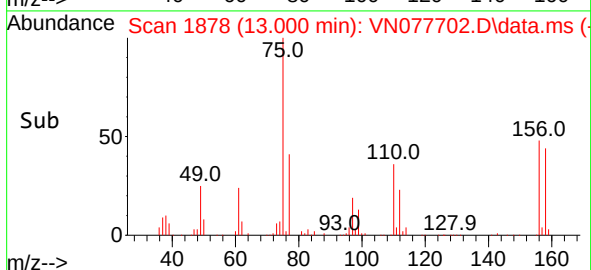
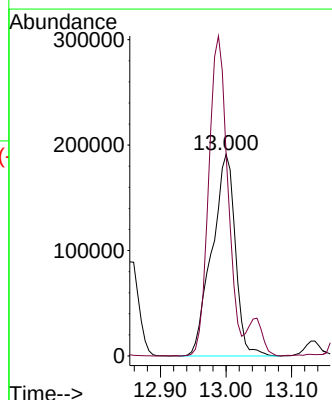
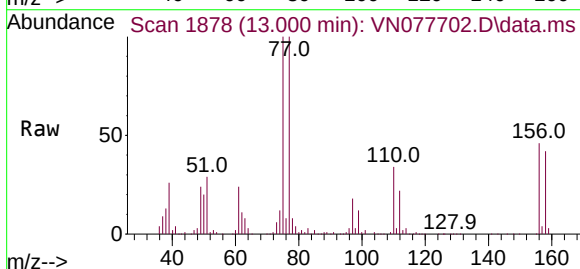
Acq: 16 May 2023 19:01

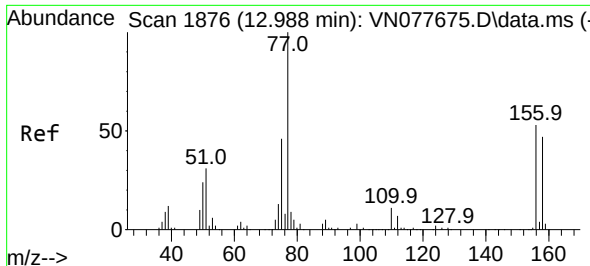
Tgt Ion: 75 Resp: 472656

Ion Ratio Lower Upper

75 100

77 128.8 84.5 253.5

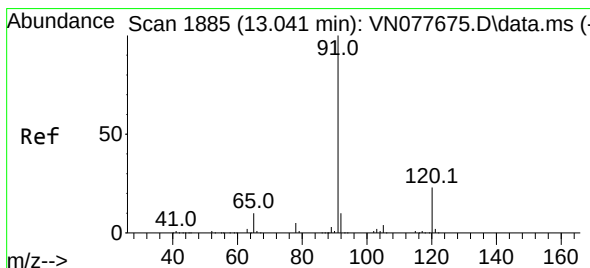
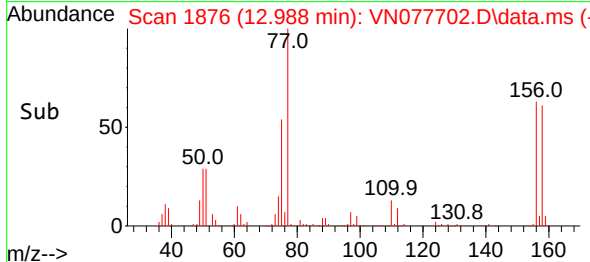
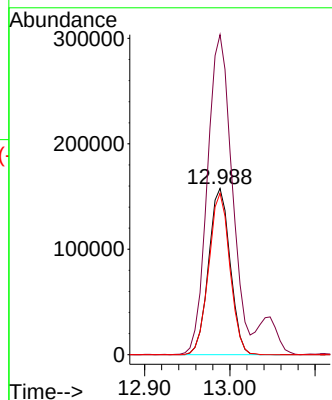
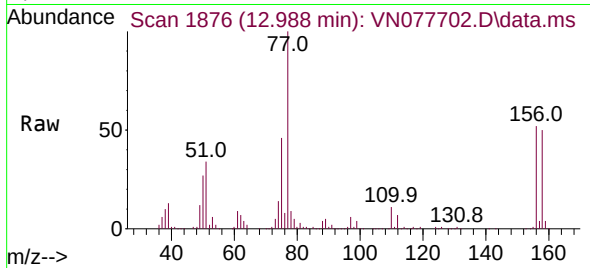




#77
Bromobenzene
Concen: 50.916 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

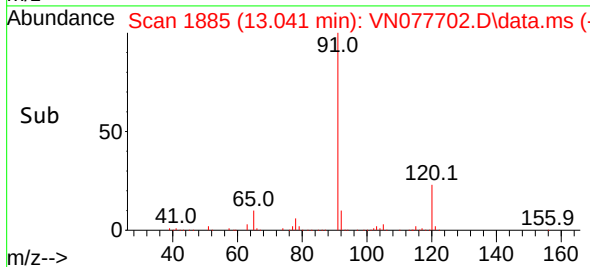
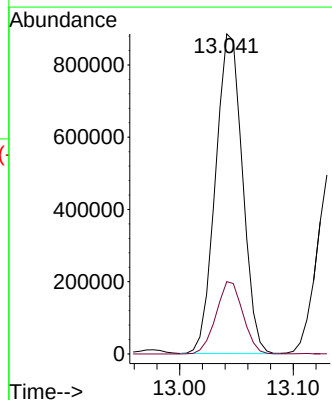
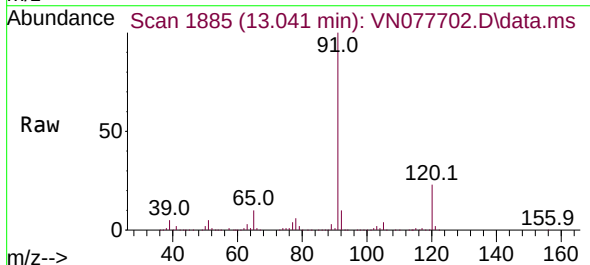
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

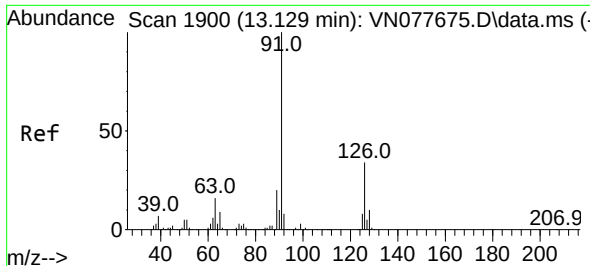
Tgt Ion:156 Resp: 276389
Ion Ratio Lower Upper
156 100
77 220.3 107.7 323.3
158 95.4 48.4 145.3



#78
n-propylbenzene
Concen: 52.046 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 91 Resp: 1459540
Ion Ratio Lower Upper
91 100
120 22.6 11.5 34.4

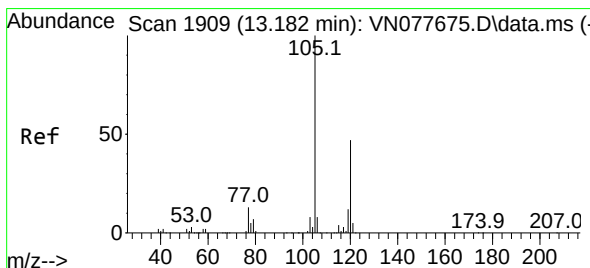
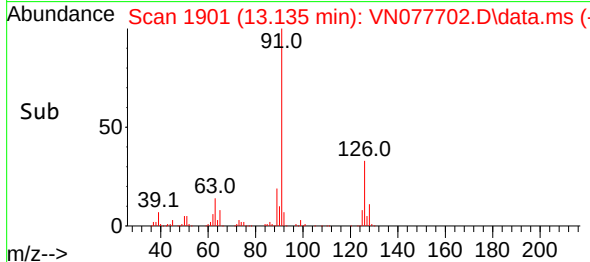
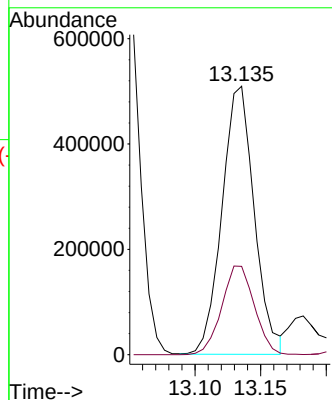
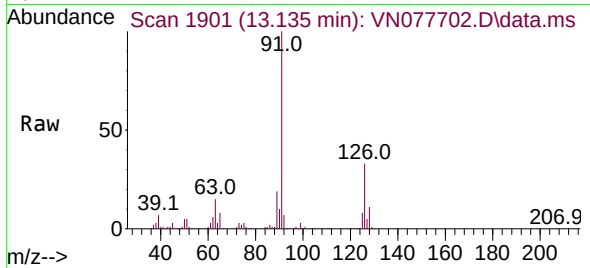




#79
2-Chlorotoluene
Concen: 52.088 ug/l
RT: 13.135 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

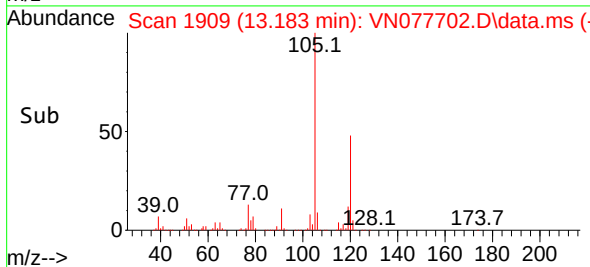
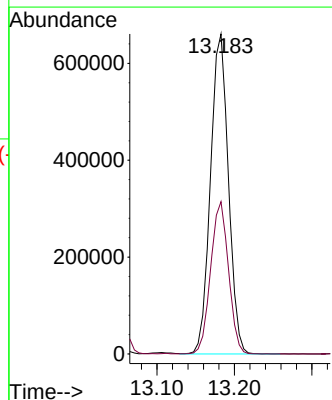
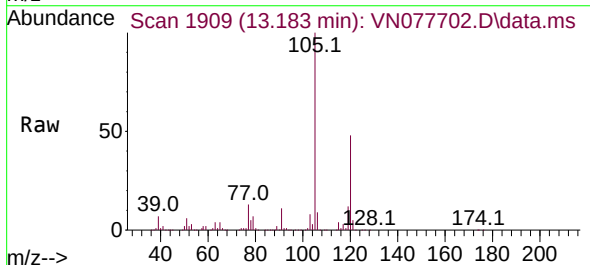
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

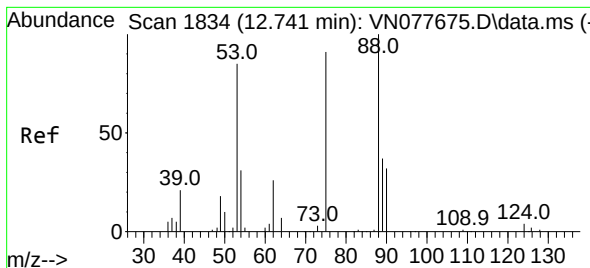
Tgt Ion: 91 Resp: 871634
Ion Ratio Lower Upper
91 100
126 33.5 16.3 48.8



#80
1,3,5-Trimethylbenzene
Concen: 53.062 ug/l
RT: 13.183 min Scan# 1909
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 105 Resp: 1060806
Ion Ratio Lower Upper
105 100
120 47.5 24.1 72.3

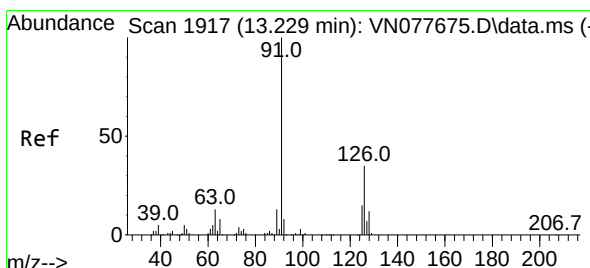
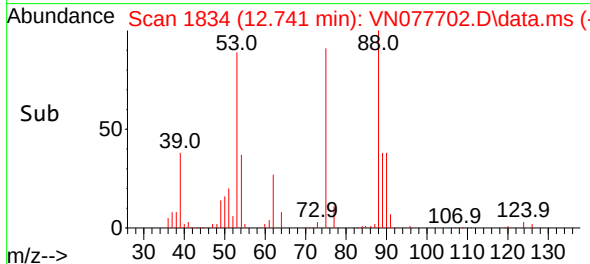
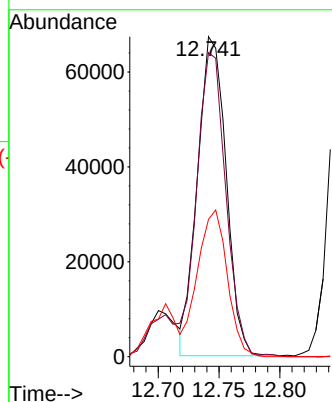
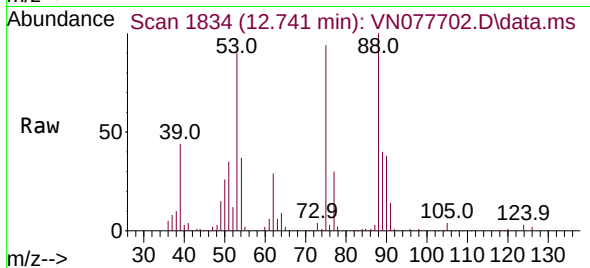




#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.025 ug/l
 RT: 12.741 min Scan# 1834
 Delta R.T. 0.000 min
 Lab File: VN077702.D
 Acq: 16 May 2023 19:01

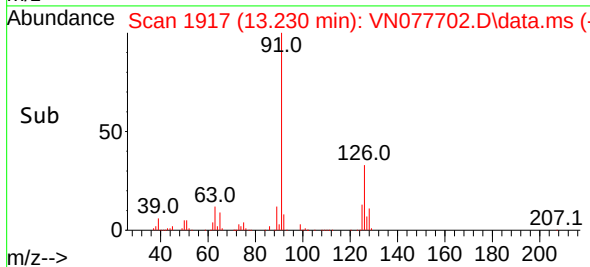
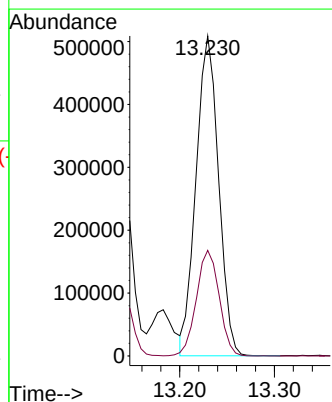
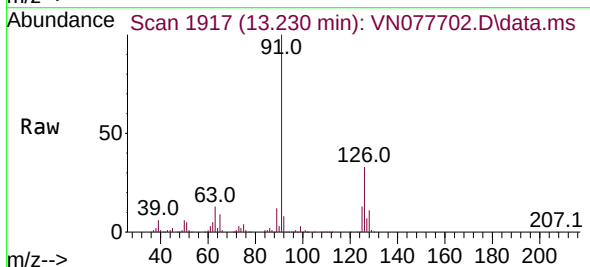
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

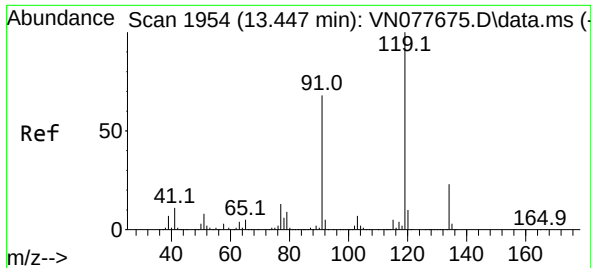
Tgt Ion: 75 Resp: 110313
 Ion Ratio Lower Upper
 75 100
 53 98.3 67.4 101.2
 89 47.9 38.8 58.2



#82
 4-Chlorotoluene
 Concen: 50.542 ug/l
 RT: 13.230 min Scan# 1917
 Delta R.T. 0.001 min
 Lab File: VN077702.D
 Acq: 16 May 2023 19:01

Tgt Ion: 91 Resp: 841496
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.7 50.0

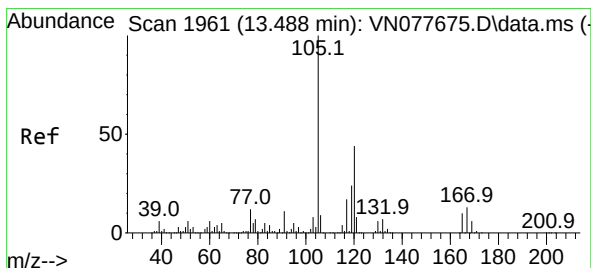
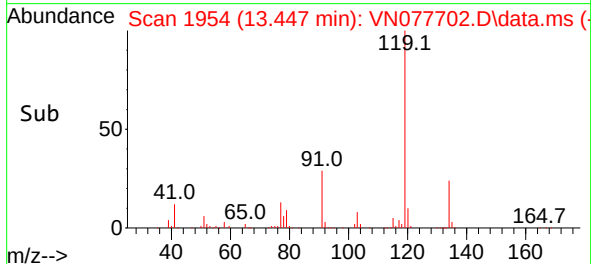
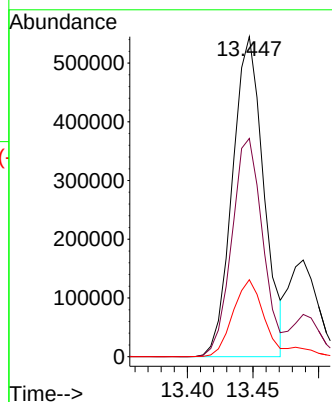
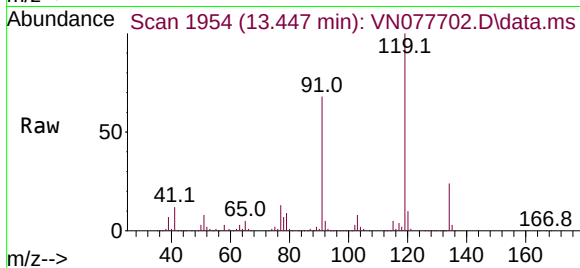




#83
 tert-Butylbenzene
 Concen: 51.938 ug/l
 RT: 13.447 min Scan# 1954
 Delta R.T. 0.000 min
 Lab File: VN077702.D
 Acq: 16 May 2023 19:01

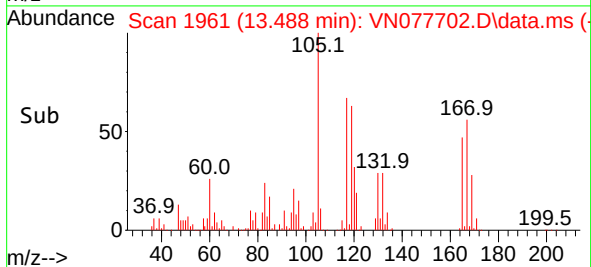
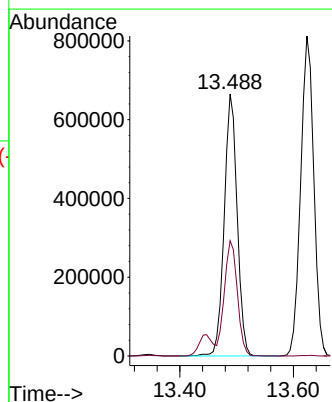
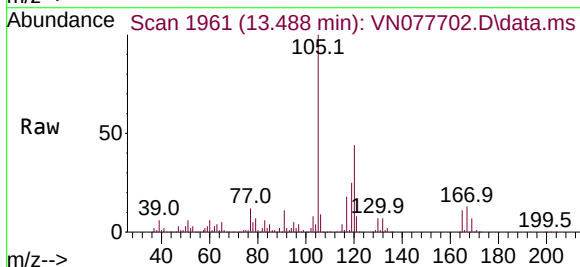
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

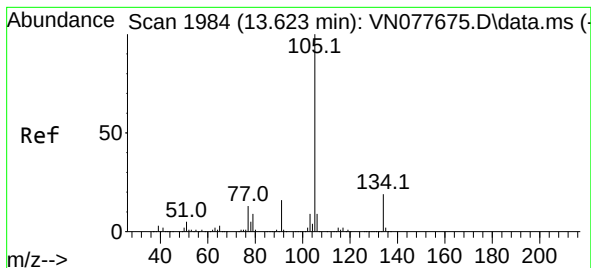
Tgt Ion:119 Resp: 906458
 Ion Ratio Lower Upper
 119 100
 91 69.1 33.9 101.7
 134 23.8 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 53.695 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VN077702.D
 Acq: 16 May 2023 19:01

Tgt Ion:105 Resp: 1055743
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.0 66.0





#85

sec-Butylbenzene

Concen: 52.426 ug/l

RT: 13.624 min Scan# 1984

Delta R.T. 0.001 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

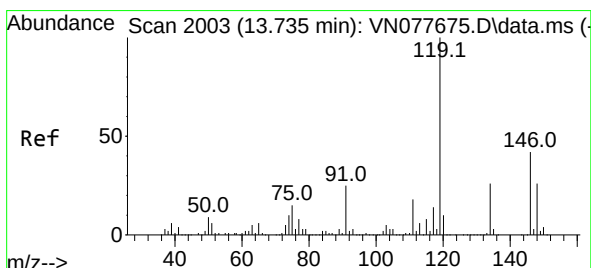
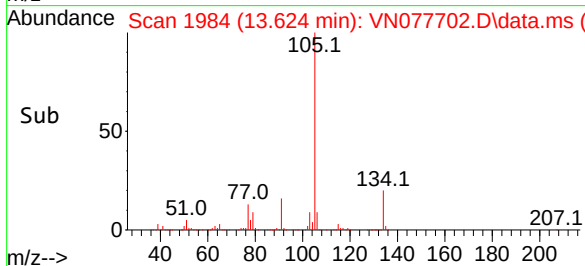
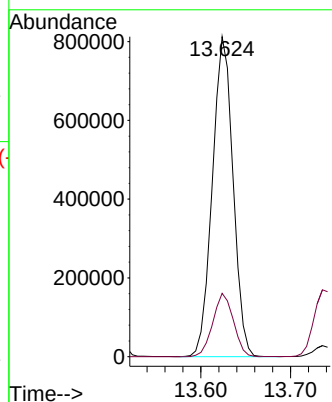
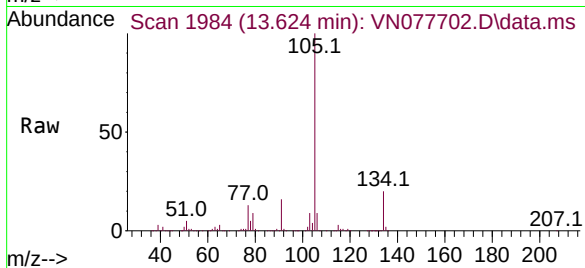
VSTDCCC050EC

Tgt Ion:105 Resp: 1300340

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3



#86

p-Isopropyltoluene

Concen: 54.292 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

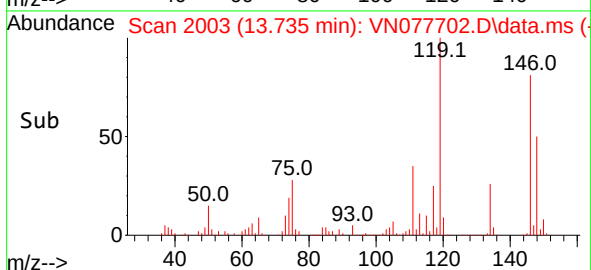
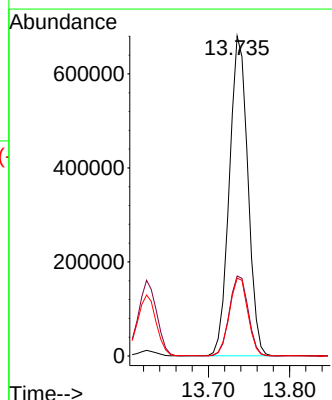
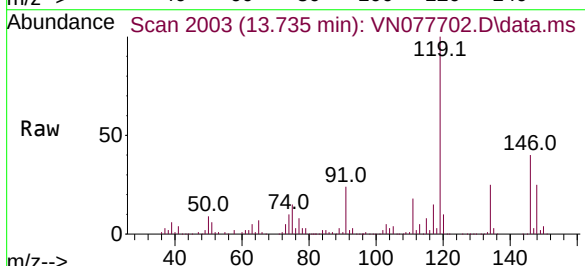
Tgt Ion:119 Resp: 1073567

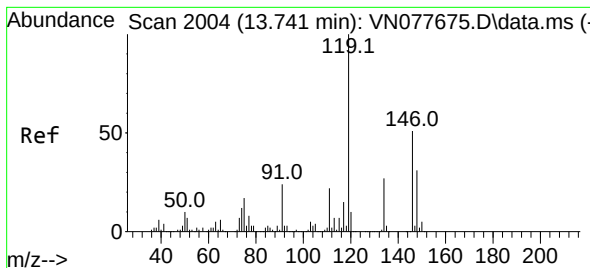
Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.8

91 24.3 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 50.850 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

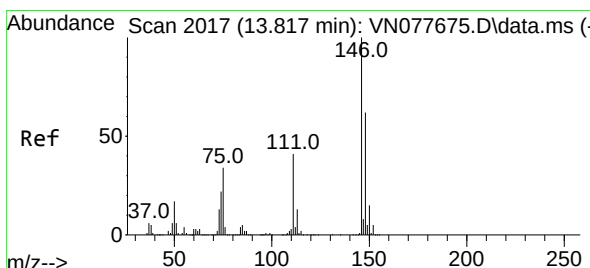
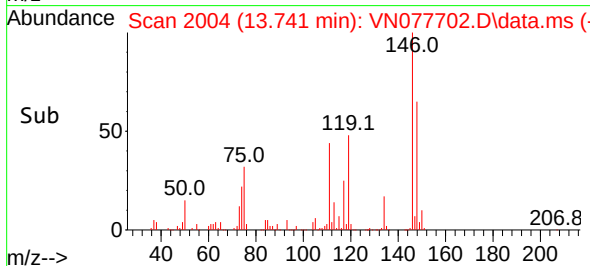
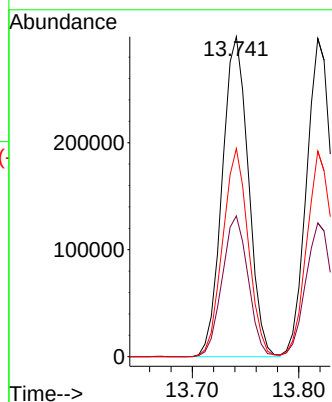
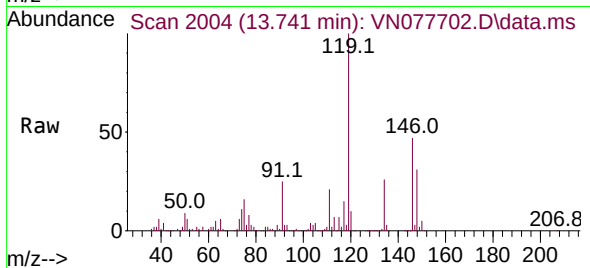
Tgt Ion:146 Resp: 510478

Ion Ratio Lower Upper

146 100

111 43.7 22.1 66.3

148 63.5 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 49.662 ug/l

RT: 13.818 min Scan# 2017

Delta R.T. 0.001 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

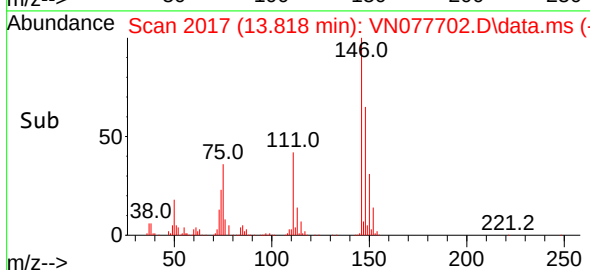
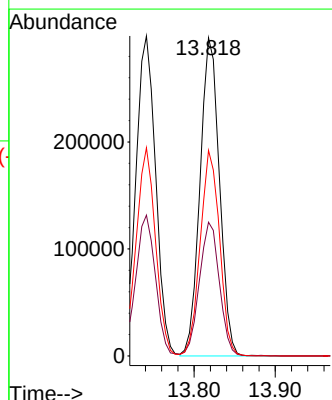
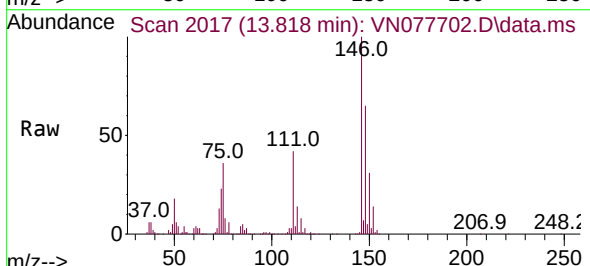
Tgt Ion:146 Resp: 494720

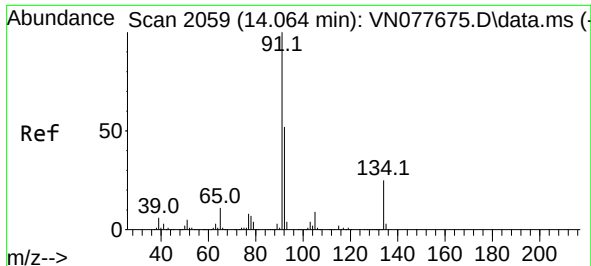
Ion Ratio Lower Upper

146 100

111 43.1 20.6 61.8

148 64.2 31.6 94.8

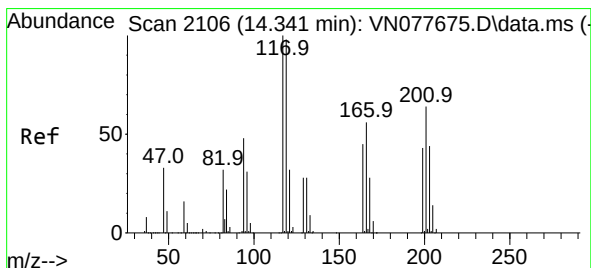
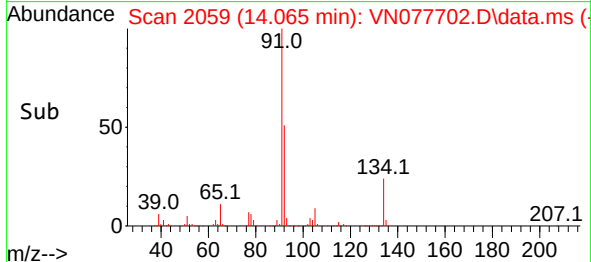
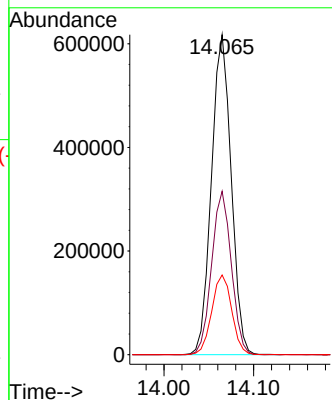
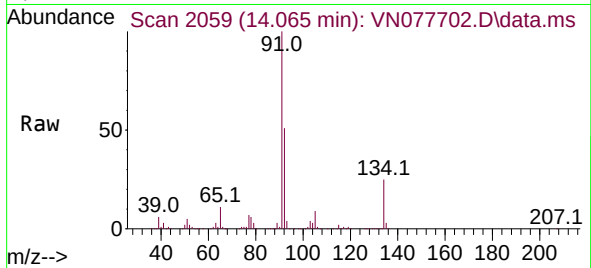




#89
n-Butylbenzene
Concen: 51.849 ug/l
RT: 14.065 min Scan# 2059
Delta R.T. 0.001 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

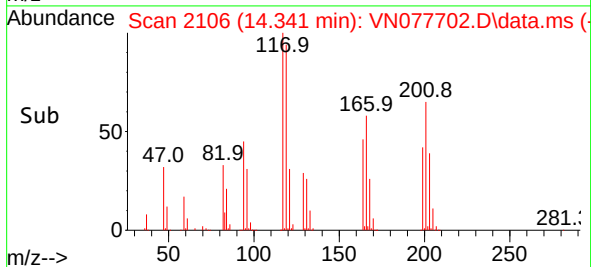
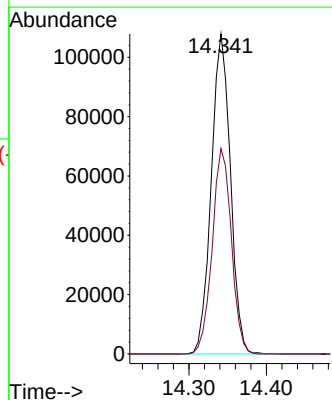
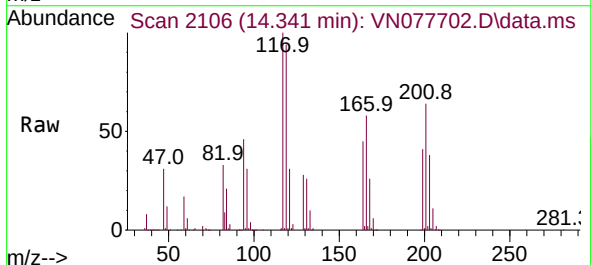
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

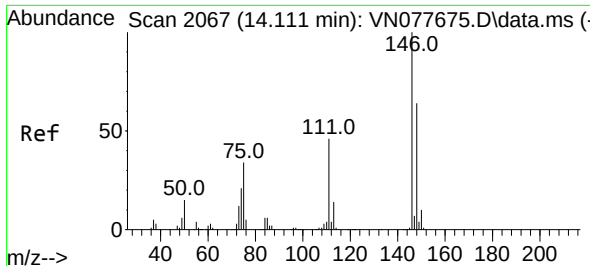
Tgt Ion: 91 Resp: 943016
Ion Ratio Lower Upper
91 100
92 51.0 26.4 79.0
134 25.2 12.6 37.6



#90
Hexachloroethane
Concen: 56.857 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion: 117 Resp: 184696
Ion Ratio Lower Upper
117 100
201 64.3 29.3 88.0





#91

1,2-Dichlorobenzene

Concen: 53.368 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.001 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

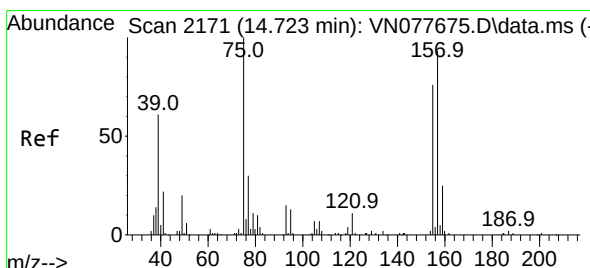
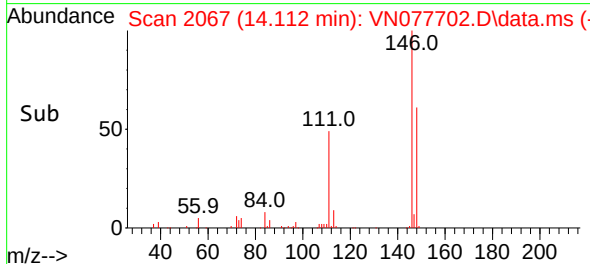
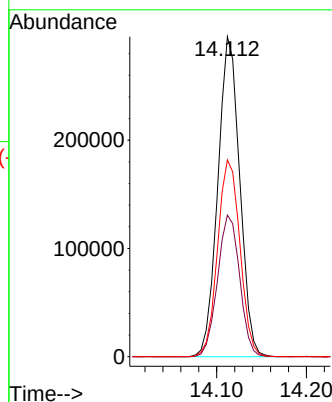
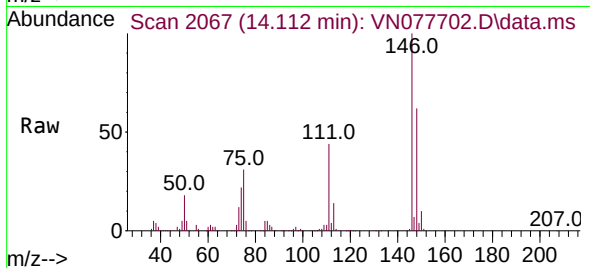
Tgt Ion:146 Resp: 500501

Ion Ratio Lower Upper

146 100

111 44.7 22.0 66.0

148 62.8 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.046 ug/l

RT: 14.724 min Scan# 2171

Delta R.T. 0.001 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

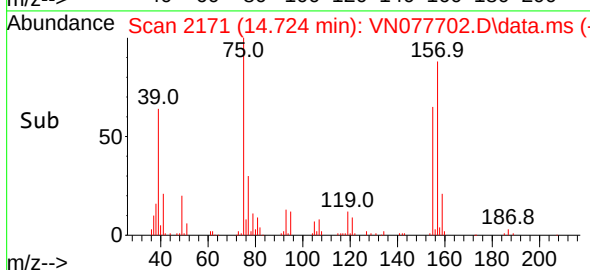
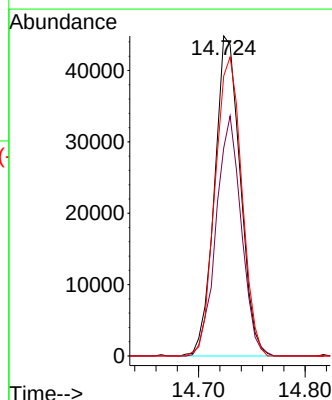
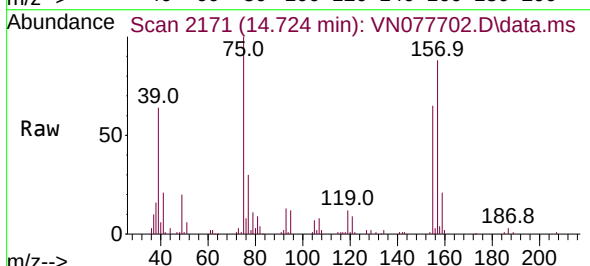
Tgt Ion: 75 Resp: 75152

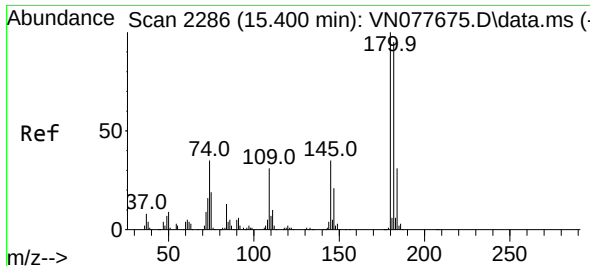
Ion Ratio Lower Upper

75 100

155 73.2 39.1 117.2

157 96.9 50.3 150.9

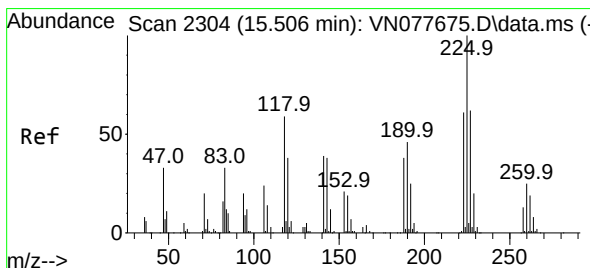
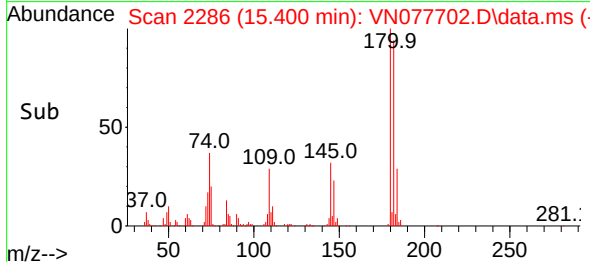
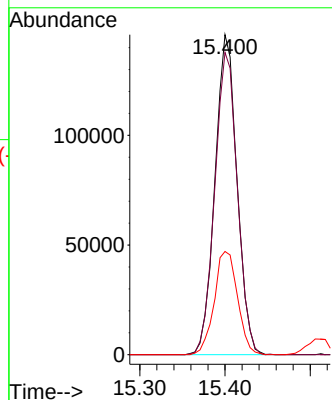
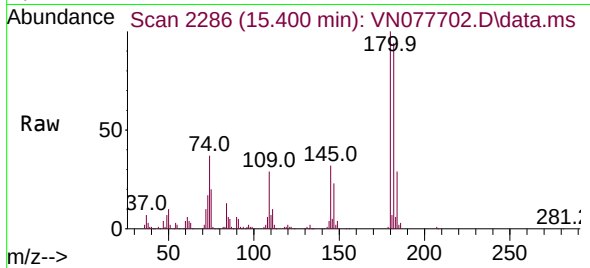




#93
1,2,4-Trichlorobenzene
Concen: 47.783 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

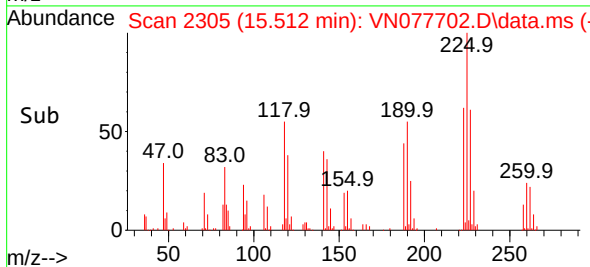
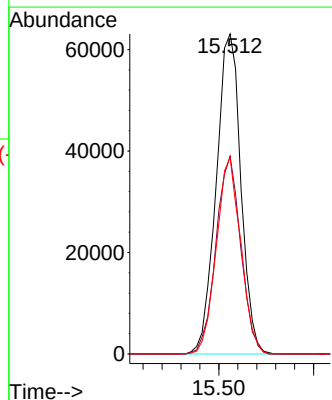
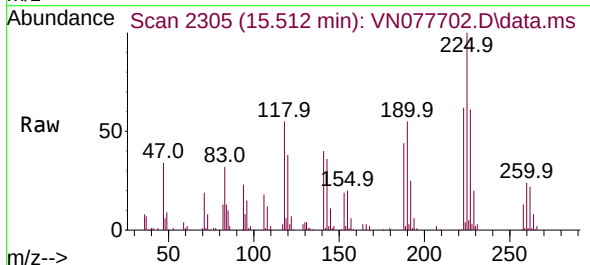
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

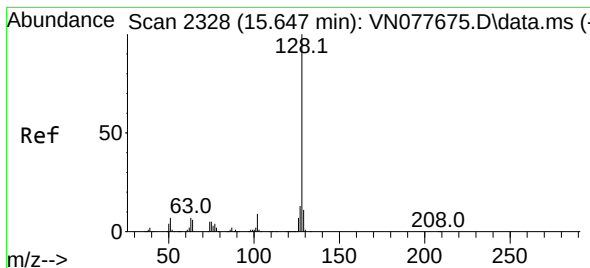
Tgt Ion:180 Resp: 261875
Ion Ratio Lower Upper
180 100
182 96.9 46.1 138.2
145 34.1 16.6 49.8



#94
Hexachlorobutadiene
Concen: 50.132 ug/l
RT: 15.512 min Scan# 2305
Delta R.T. 0.006 min
Lab File: VN077702.D
Acq: 16 May 2023 19:01

Tgt Ion:225 Resp: 114075
Ion Ratio Lower Upper
225 100
223 62.1 31.3 93.8
227 60.7 31.9 95.9





#95

Naphthalene

Concen: 48.517 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

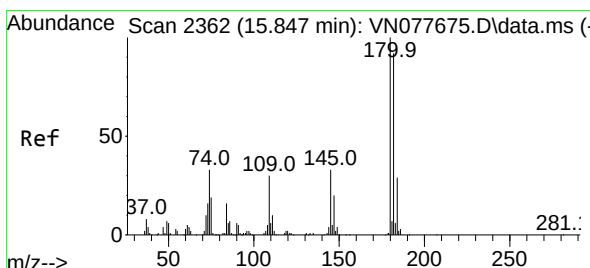
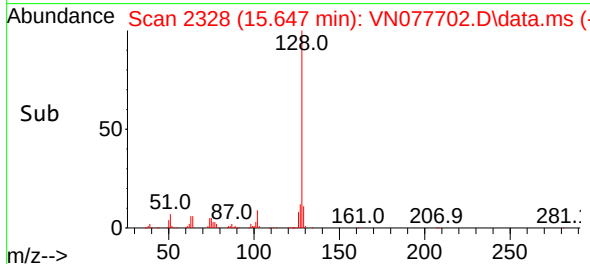
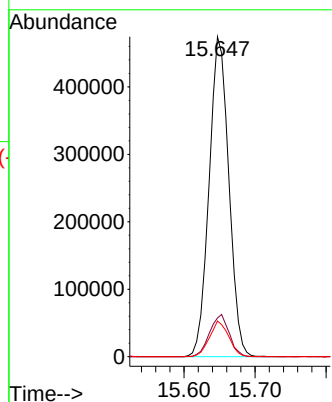
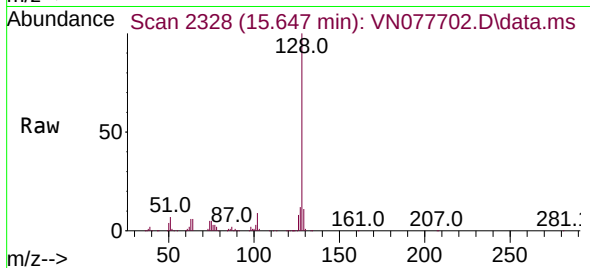
Tgt Ion:128 Resp: 915210

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

129 10.8 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 47.989 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.000 min

Lab File: VN077702.D

Acq: 16 May 2023 19:01

Tgt Ion:180 Resp: 257503

Ion Ratio Lower Upper

180 100

182 95.5 46.2 138.6

145 36.3 17.5 52.6

