

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
 Data File : VN077601.D
 Acq On : 05 May 2023 19:42
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: May 06 05:00:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat May 06 04:56:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	118525	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	683578	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	609941	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.578	65	285137	29.709	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.033%
60) 4-Bromofluorobenzene	12.848	95	292822	30.251	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.833%
63) Toluene-d8	10.572	98	890935	30.988	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	165911	19.570	ug/l	100
3) Chloromethane	2.372	50	126016	19.120	ug/l	100
4) Vinyl Chloride	2.525	62	161182	19.319	ug/l	100
5) Bromomethane	2.960	94	113587	18.735	ug/l	100
6) Chloroethane	3.131	64	107595	18.801	ug/l	100
7) Trichlorofluoromethane	3.507	101	238235	19.001	ug/l	100
8) Diethyl Ether	3.972	74	89919	19.949	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.384	101	136200	19.774	ug/l	100
10) 1,1-Dichloroethene	4.348	96	126430	19.290	ug/l	100
11) Methyl Iodide	4.607	142	151438	18.878	ug/l	100
12) Methyl Acetate	5.043	43	223737	19.681	ug/l	100
13) Acrolein	4.196	56	125612	97.020	ug/l	100
14) Acrylonitrile	5.731	53	324380	96.702	ug/l	100
15) Acetone	4.443	58	85738	95.036	ug/l	100
16) Carbon Disulfide	4.719	76	300962	18.749	ug/l	100
17) Allyl chloride	5.037	41	154554	18.887	ug/l	100
18) Methylene Chloride	5.295	84	153992	19.500	ug/l	100
19) trans-1,2-Dichloroethene	5.790	96	141782	19.694	ug/l	100
20) Diisopropyl ether	6.684	45	381140	19.544	ug/l	100
21) 1,1-Dichloroethane	6.584	63	253680	19.298	ug/l	100
22) cis-1,2-Dichloroethene	7.495	96	167477	19.269	ug/l	100
23) tert-Butyl Alcohol	5.525	59	135133	100.167	ug/l #	100
24) Methyl tert-Butyl Ether	5.801	73	466004	19.588	ug/l	100
25) Chloroform	7.972	83	289089	19.636	ug/l	100
26) Cyclohexane	8.260	56	204140	19.087	ug/l #	100
29) 1,1-Dichloropropene	8.378	75	201127	20.082	ug/l	100
30) 2-Butanone	7.495	43	407826	100.615	ug/l	100
31) 2,2-Dichloropropane	7.495	77	218798	19.826	ug/l	100
32) 1,1,1-Trichloroethane	8.172	97	259280	19.724	ug/l	100
33) Carbon Tetrachloride	8.366	117	218869	20.041	ug/l	100
34) Benzene	8.613	78	624462	20.208	ug/l	100
35) Methacrylonitrile	7.789	41	90768	20.191	ug/l	100
36) 1,2-Dichloroethane	8.678	62	224001	20.380	ug/l	100
37) Trichloroethene	9.354	130	150534	19.961	ug/l	100
38) Methylcyclohexane	9.601	83	253169	20.130	ug/l	100
39) 1,2-Dichloropropane	9.625	63	148912	20.209	ug/l	100
40) Dibromomethane	9.713	93	114255	20.268	ug/l	100
41) Bromodichloromethane	9.895	83	225821	20.223	ug/l	100
42) Vinyl Acetate	6.613	43	1187034	100.336	ug/l	100

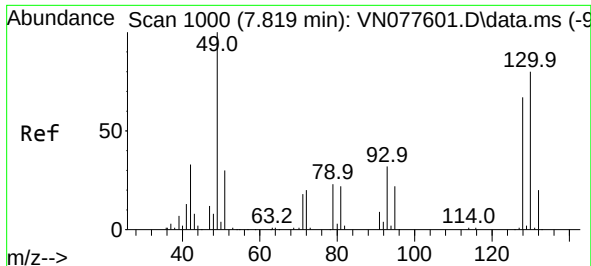
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat May 06 04:56:16 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	163011	19.346	ug/l	100
44) Isopropyl Acetate	8.695	43	285826	19.946	ug/l	100
45) 1,4-Dioxane	9.695	88	60300	395.754	ug/l	100
46) Methyl methacrylate	9.683	41	130614	19.994	ug/l	100
47) n-amyl Acetate	12.501	43	219665	19.557	ug/l	100
48) t-1,3-Dichloropropene	10.836	75	217654	19.480	ug/l	100
49) cis-1,3-Dichloropropene	10.313	75	240569	19.640	ug/l	100
50) 1,1,2-Trichloroethane	11.019	97	158301	19.923	ug/l	100
51) Ethyl methacrylate	10.877	69	228763	19.661	ug/l	100
52) 1,3-Dichloropropane	11.166	76	267868	20.065	ug/l	100
53) Dibromochloromethane	11.360	129	160825	19.886	ug/l	100
54) 1,2-Dibromoethane	11.472	107	158138	19.655	ug/l	100
55) 2-Chloroethyl vinyl ether	10.160	63	370246	95.837	ug/l	100
56) Bromoform	12.577	173	93653	19.228	ug/l	100
58) 4-Methyl-2-Pentanone	10.448	43	867505	101.941	ug/l	100
59) 2-Hexanone	11.195	43	624217	101.615	ug/l	100
61) Tetrachloroethene	11.107	164	118685	21.052	ug/l	100
62) Toluene	10.630	91	691066	20.150	ug/l	100
64) Chlorobenzene	11.895	112	412095	20.265	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.960	131	156040	21.007	ug/l	100
66) Ethyl Benzene	11.966	91	754021	20.329	ug/l	100
67) m/p-Xylenes	12.071	106	577813	40.856	ug/l	100
68) o-Xylene	12.401	106	282505	20.072	ug/l	100
69) Styrene	12.413	104	450943	20.350	ug/l	100
70) Isopropylbenzene	12.695	105	739541	20.409	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.942	83	225099	19.977	ug/l	100
72) 1,2,3-Trichloropropane	12.995	75	266887	27.508	ug/l	68
73) Bromobenzene	12.983	156	150889	20.174	ug/l	100
74) n-propylbenzene	13.042	91	812530	20.207	ug/l	100
75) 2-Chlorotoluene	13.130	91	509336	20.348	ug/l	100
76) 1,3,5-Trimethylbenzene	13.177	105	573791	20.452	ug/l	100
77) t-1,4-Dichloro-2-butene	12.742	75	55193	18.771	ug/l	100
78) 4-Chlorotoluene	13.224	91	478202	20.201	ug/l	100
79) tert-butylbenzene	13.442	119	520353	20.148	ug/l	100
80) 1,2,4-Trimethylbenzene	13.489	105	513135	19.646	ug/l	100
81) sec-Butylbenzene	13.618	105	726114	20.254	ug/l	100
82) p-Isopropyltoluene	13.736	119	550790	19.987	ug/l	100
83) 1,3-Dichlorobenzene	13.736	146	270338	20.228	ug/l	100
84) 1,4-Dichlorobenzene	13.818	146	264910	20.150	ug/l	100
85) n-Butylbenzene	14.060	91	409302	18.897	ug/l	100
86) Hexachloroethane	14.336	117	106257	19.725	ug/l	100
87) 1,2-Dichlorobenzene	14.107	146	274289	20.313	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.724	75	40019	18.730	ug/l	100
89) 1,2,4-Trichlorobenzene	15.395	180	56167	17.625	ug/l	100
90) Hexachlorobutadiene	15.507	225	54227	19.845	ug/l	100
91) Naphthalene	15.642	128	200320	17.419	ug/l	100
92) 1,2,3-Trichlorobenzene	15.842	180	52835	17.891	ug/l	100

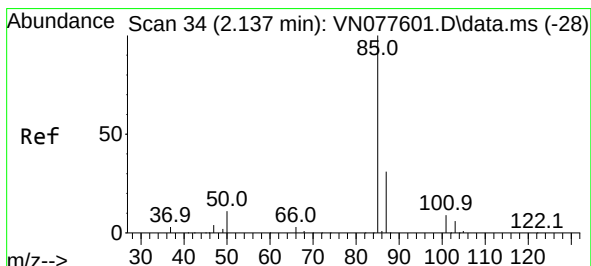
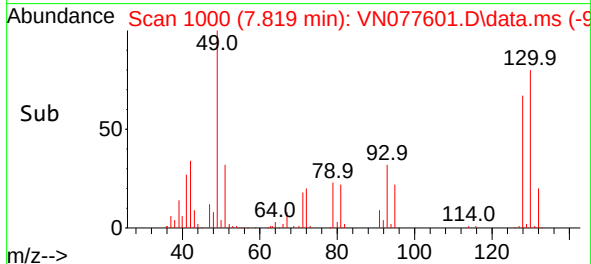
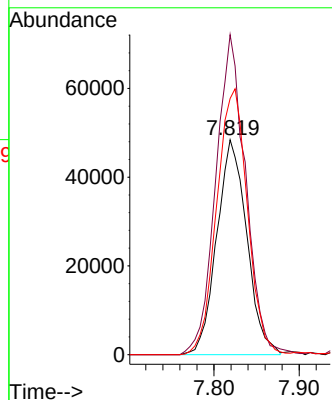
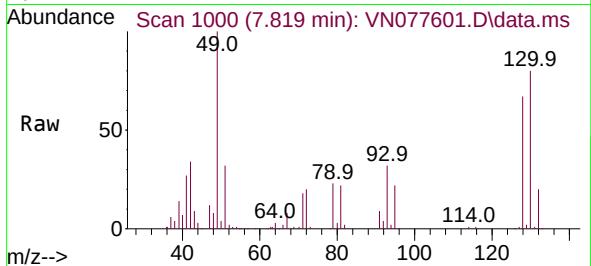
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

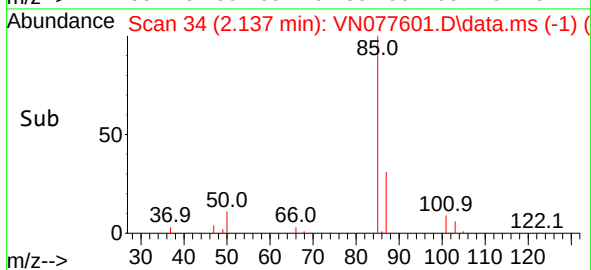
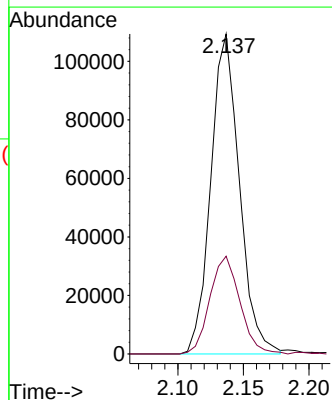
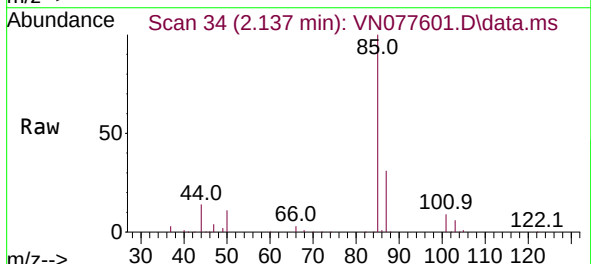
Instrument :
MSVOA_N
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VSTDICCC020

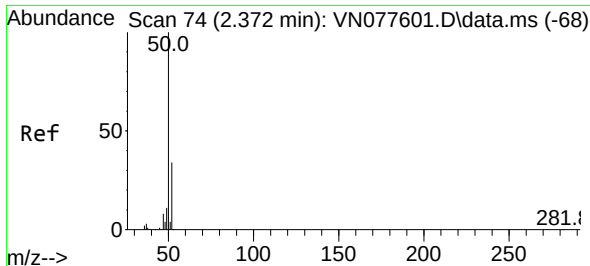
Tgt Ion:128 Resp: 118525
Ion Ratio Lower Upper
128 100
49 147.9 0.0 369.8
130 127.1 0.0 317.8



#2
Dichlorodifluoromethane
Concen: 19.570 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 85 Resp: 165911
Ion Ratio Lower Upper
85 100
87 30.6 15.3 45.9

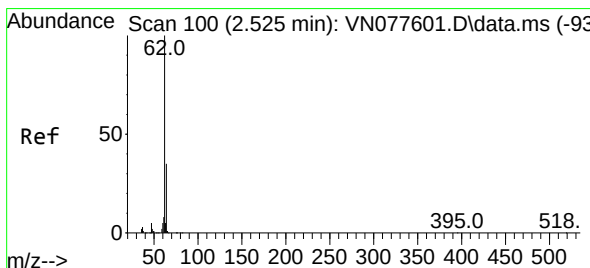
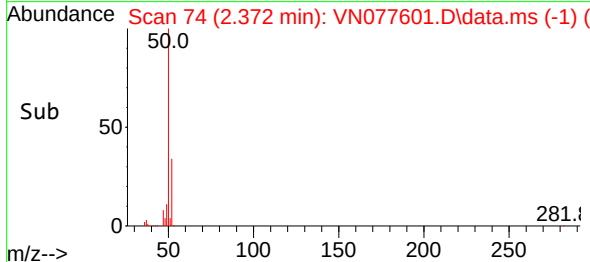
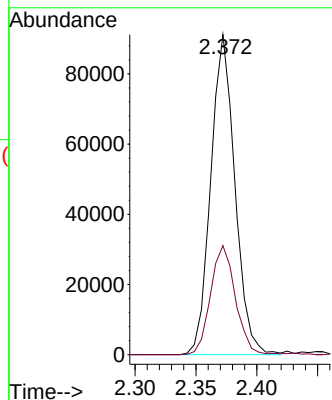
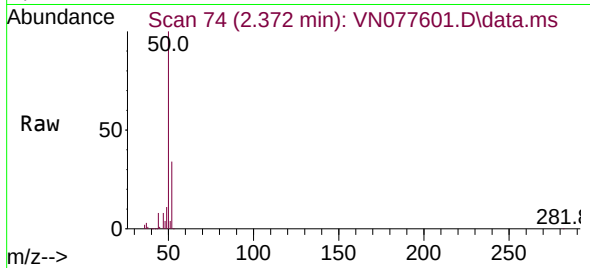




#3
Chloromethane
Concen: 19.120 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

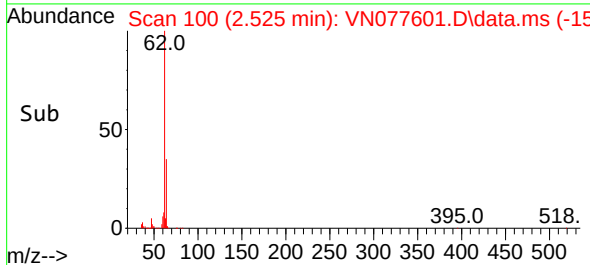
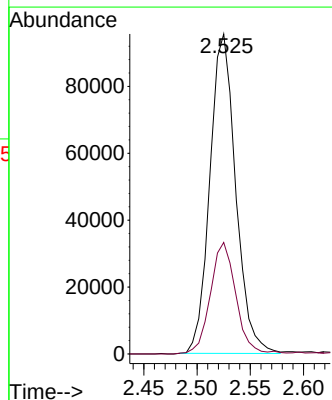
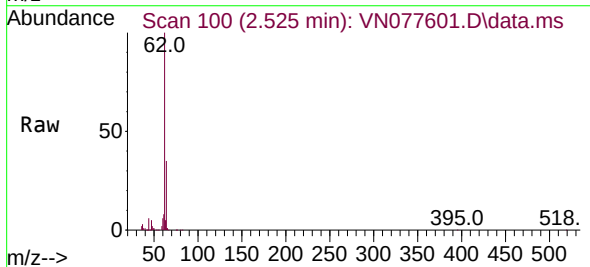
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

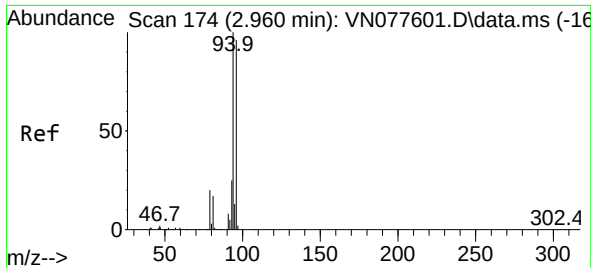
Tgt Ion: 50 Resp: 126016
Ion Ratio Lower Upper
50 100
52 34.1 27.3 40.9



#4
Vinyl Chloride
Concen: 19.319 ug/l
RT: 2.525 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 62 Resp: 161182
Ion Ratio Lower Upper
62 100
64 34.7 27.8 41.6

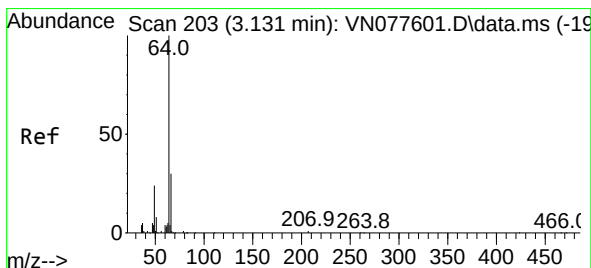
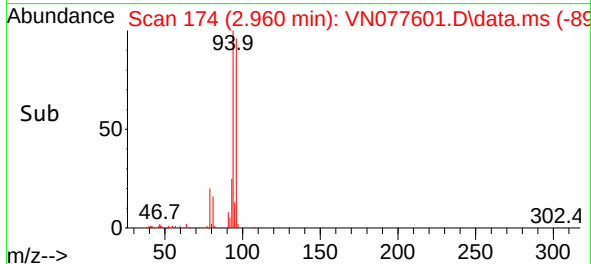
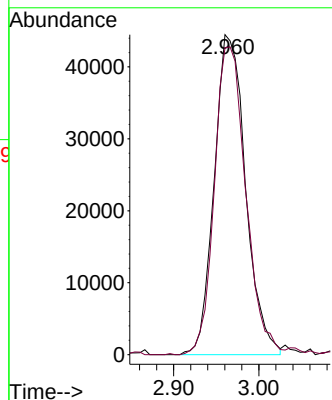
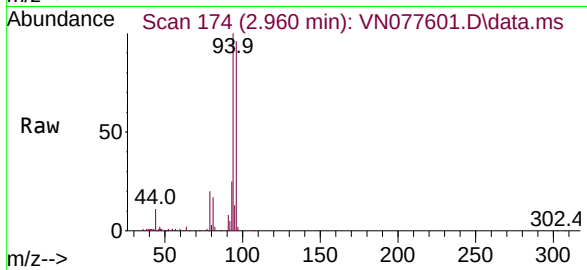




#5
Bromomethane
Concen: 18.735 ug/l
RT: 2.960 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

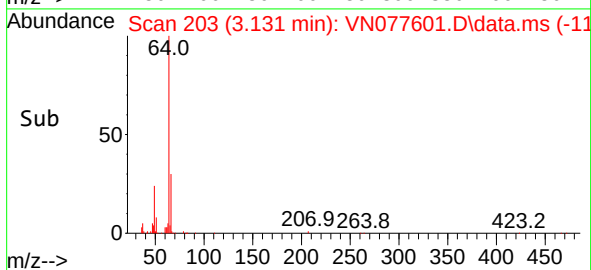
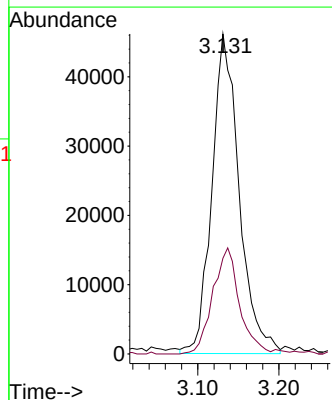
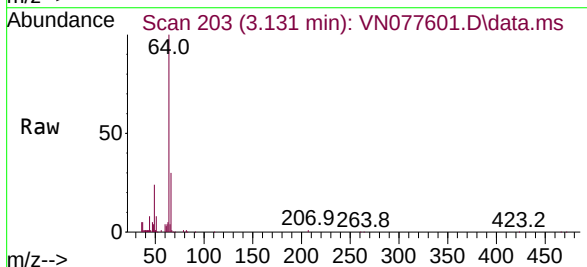
Instrument :
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ClientSampleId :
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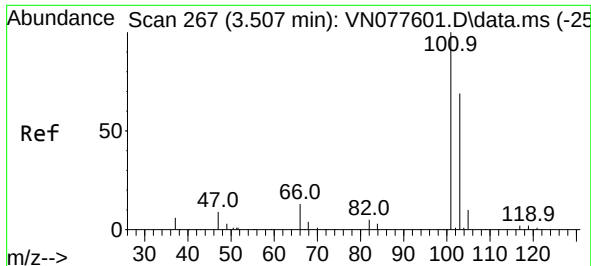
Tgt Ion: 94 Resp: 113587
Ion Ratio Lower Upper
94 100
96 95.9 76.7 115.1



#6
Chloroethane
Concen: 18.801 ug/l
RT: 3.131 min Scan# 203
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 64 Resp: 107595
Ion Ratio Lower Upper
64 100
66 30.3 24.2 36.4

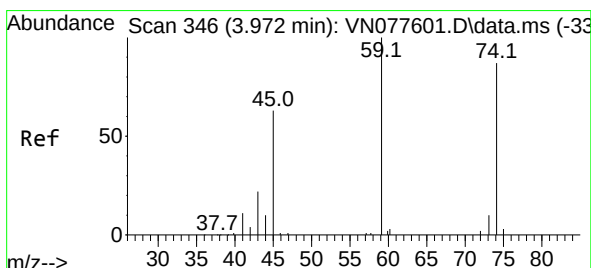
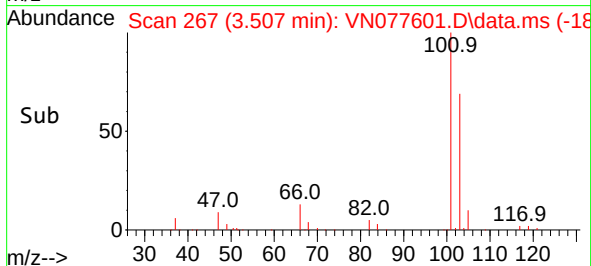
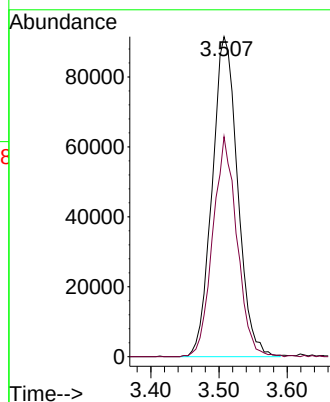
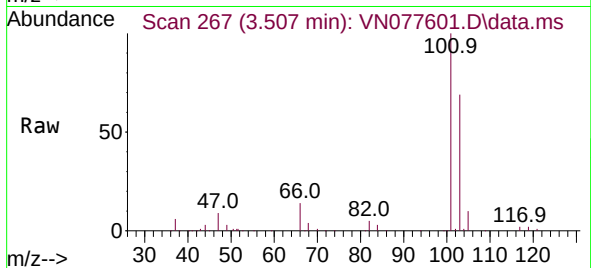




#7
 Trichlorofluoromethane
 Concen: 19.001 ug/l
 RT: 3.507 min Scan# 267
 Delta R.T. 0.000 min
 Lab File: VN077601.D
 Acq: 05 May 2023 19:42

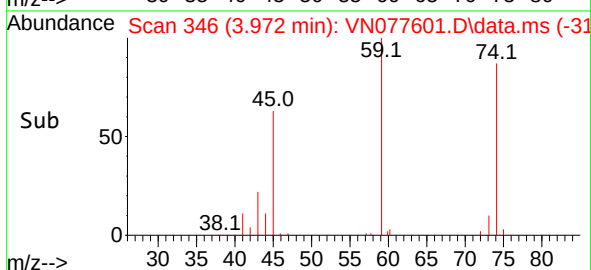
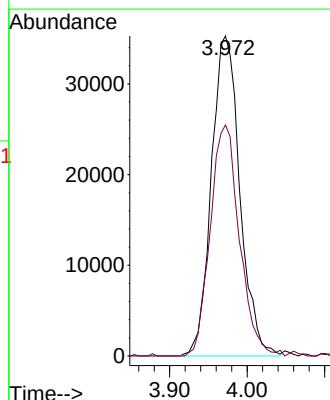
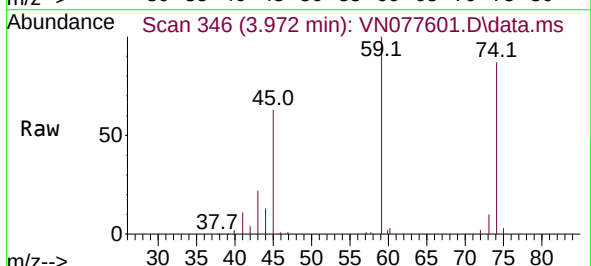
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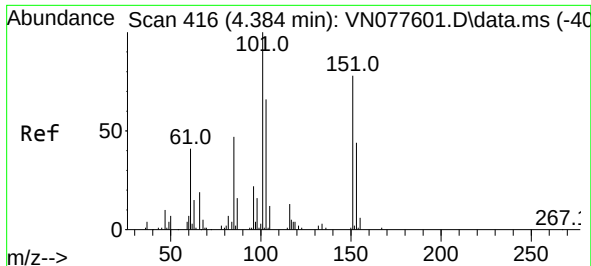
Tgt Ion:101 Resp: 238235
 Ion Ratio Lower Upper
 101 100
 103 68.7 55.0 82.4



#8
 Diethyl Ether
 Concen: 19.949 ug/l
 RT: 3.972 min Scan# 346
 Delta R.T. 0.000 min
 Lab File: VN077601.D
 Acq: 05 May 2023 19:42

Tgt Ion: 74 Resp: 89919
 Ion Ratio Lower Upper
 74 100
 45 74.0 14.8 133.2

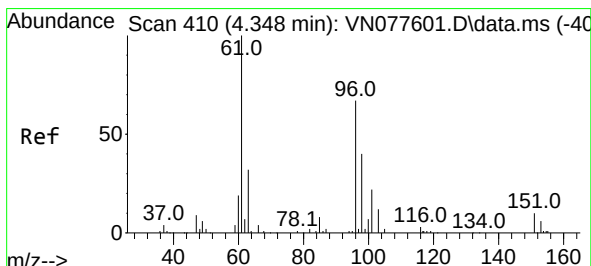
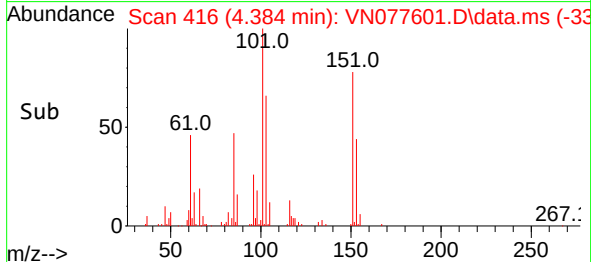
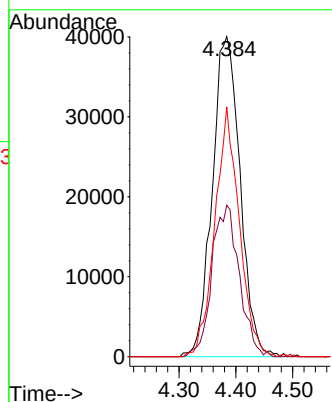
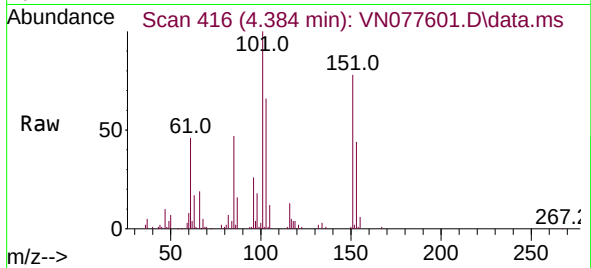




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.774 ug/l
 RT: 4.384 min Scan# 416
 Delta R.T. -0.000 min
 Lab File: VN077601.D
 Acq: 05 May 2023 19:42

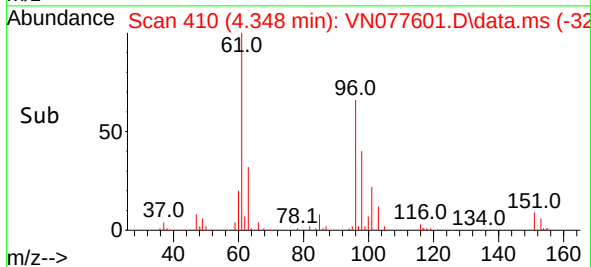
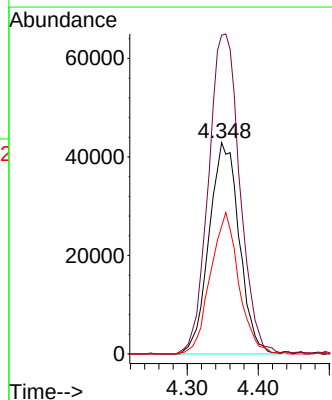
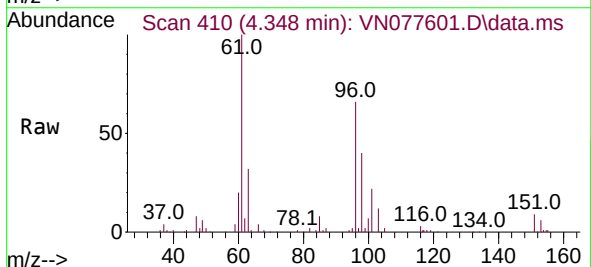
Instrument :
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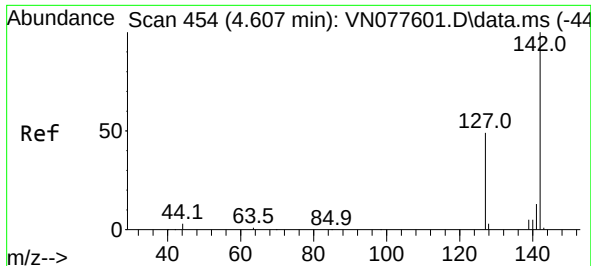
Tgt Ion:	101	Resp:	136200
Ion	Ratio	Lower	Upper
101	100		
85	46.3	0.0	92.6
151	68.7	0.0	137.4



#10
 1,1-Dichloroethene
 Concen: 19.290 ug/l
 RT: 4.348 min Scan# 410
 Delta R.T. 0.000 min
 Lab File: VN077601.D
 Acq: 05 May 2023 19:42

Tgt Ion:	96	Resp:	126430
Ion	Ratio	Lower	Upper
96	100		
61	150.1	120.1	180.1
98	60.4	48.3	72.5

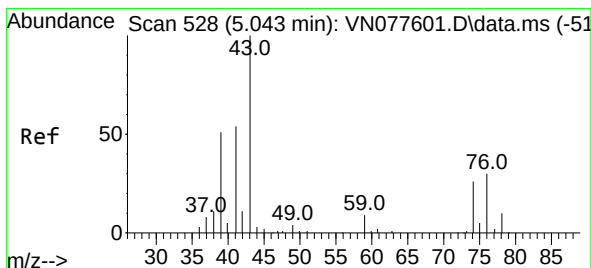
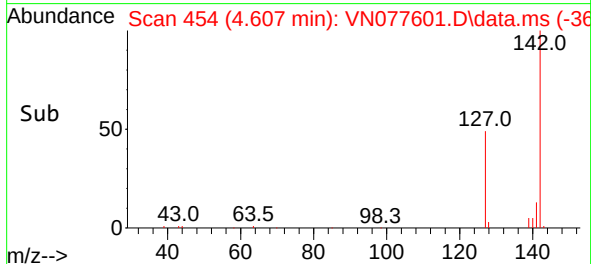
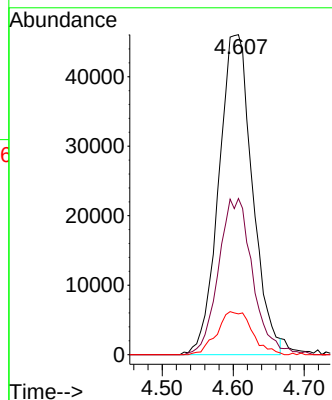
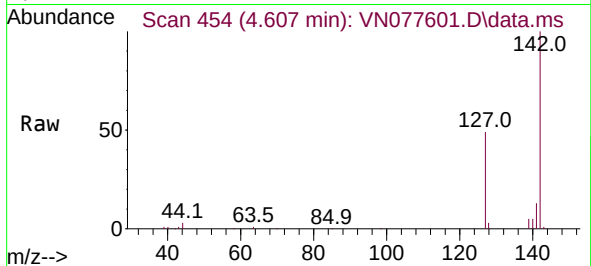




#11
Methyl Iodide
Concen: 18.878 ug/l
RT: 4.607 min Scan# 454
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

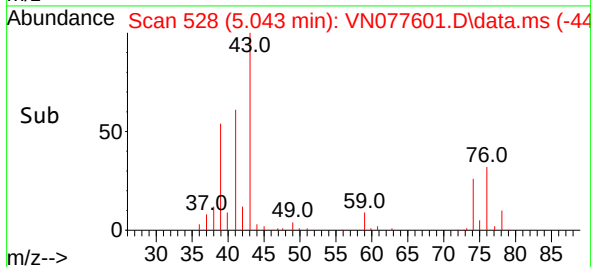
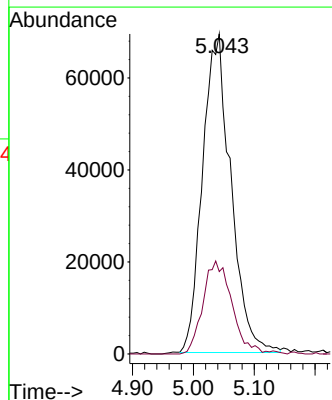
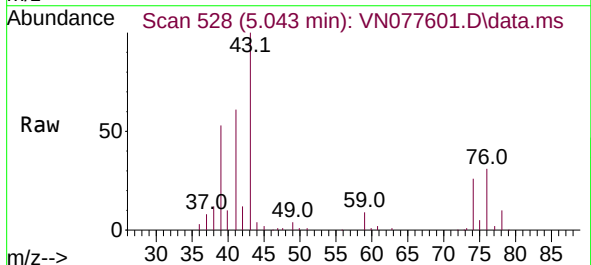
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

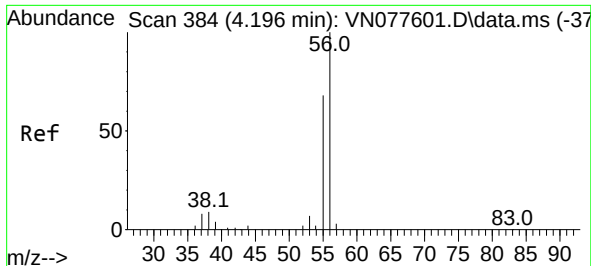
Tgt Ion:142 Resp: 151438
Ion Ratio Lower Upper
142 100
127 49.1 24.6 73.6
141 12.8 6.4 19.2



#12
Methyl Acetate
Concen: 19.681 ug/l
RT: 5.043 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 43 Resp: 223737
Ion Ratio Lower Upper
43 100
74 25.8 20.6 31.0

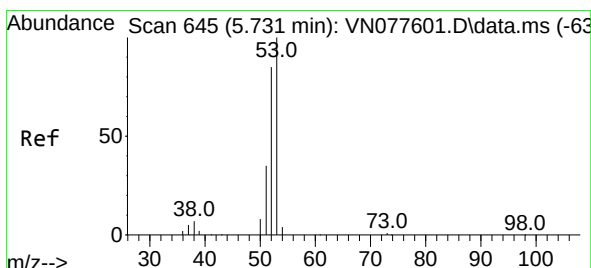
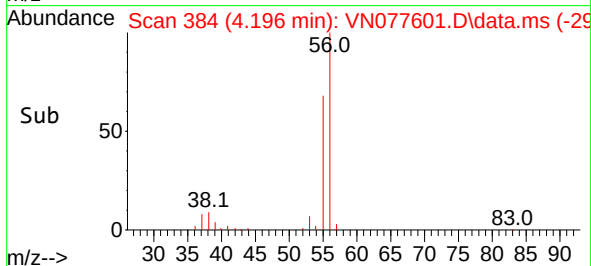
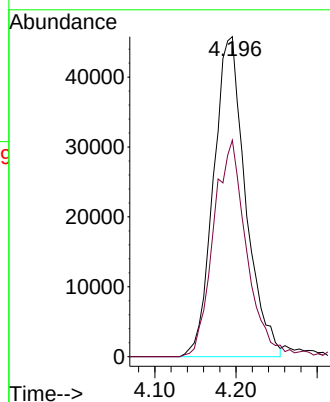
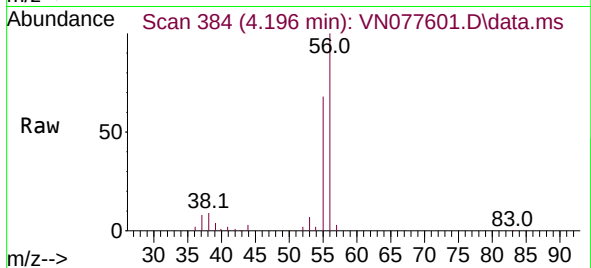




#13
Acrolein
Concen: 97.020 ug/l
RT: 4.196 min Scan# 384
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

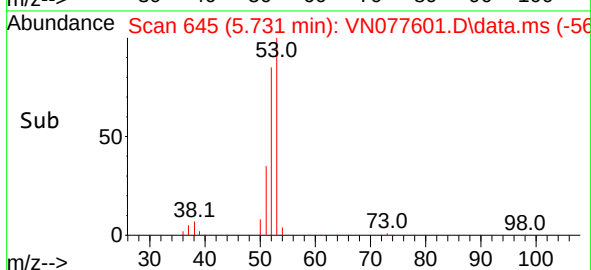
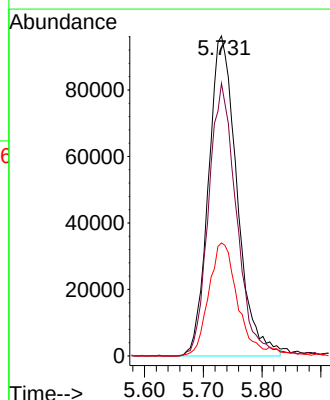
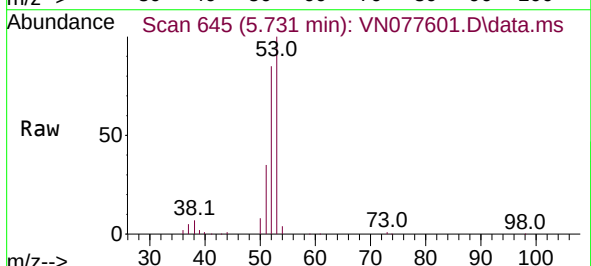
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

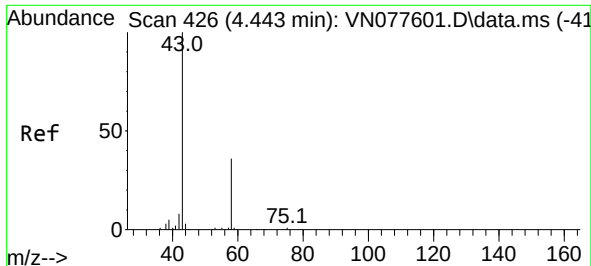
Tgt Ion: 56 Resp: 125612
Ion Ratio Lower Upper
56 100
55 68.5 54.8 82.2



#14
Acrylonitrile
Concen: 96.702 ug/l
RT: 5.731 min Scan# 645
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 53 Resp: 324380
Ion Ratio Lower Upper
53 100
52 83.2 41.6 124.8
51 35.3 17.6 52.9

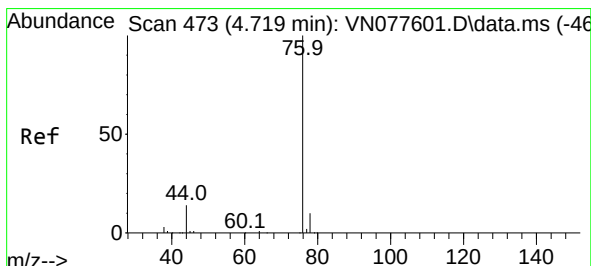
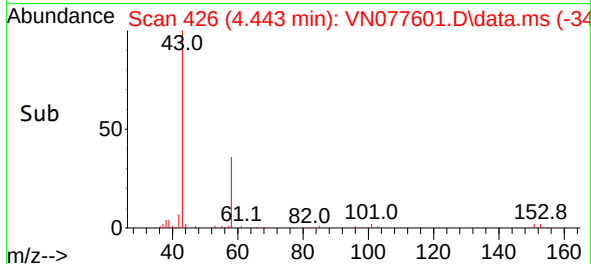
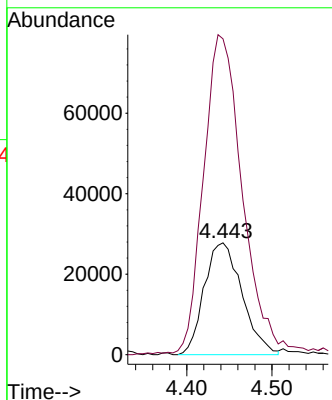
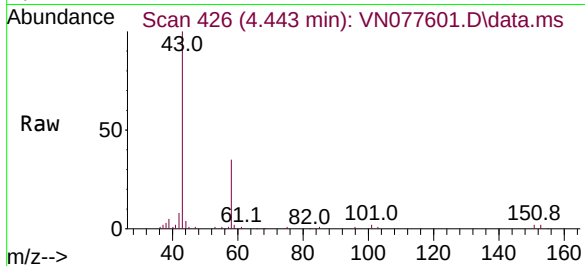




#15
Acetone
Concen: 95.036 ug/l
RT: 4.443 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

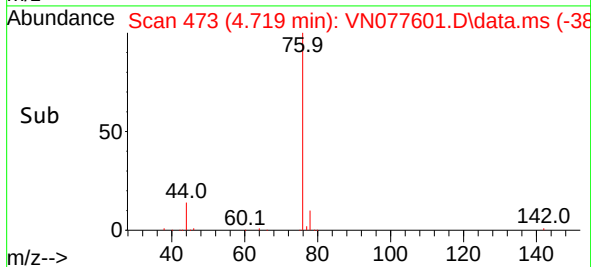
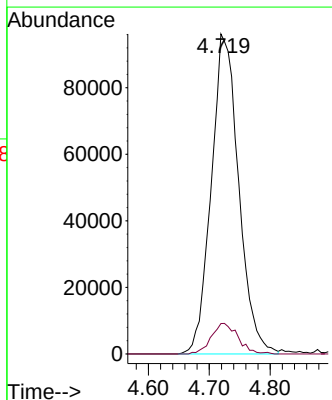
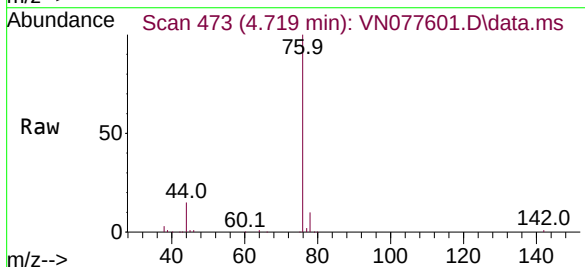
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

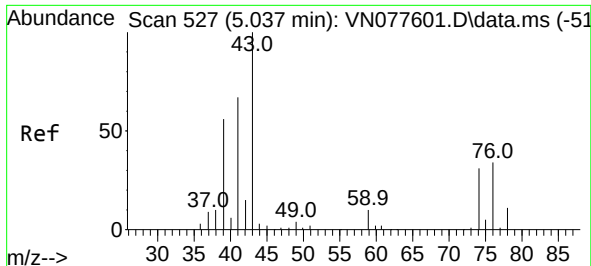
Tgt Ion: 58 Resp: 85738
Ion Ratio Lower Upper
58 100
43 279.0 223.2 334.8



#16
Carbon Disulfide
Concen: 18.749 ug/l
RT: 4.719 min Scan# 473
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 76 Resp: 300962
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4





#17

Allyl chloride

Concen: 18.887 ug/l

RT: 5.037 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

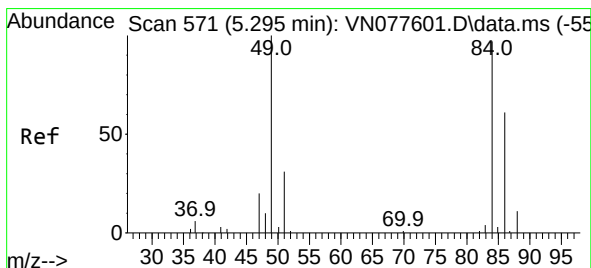
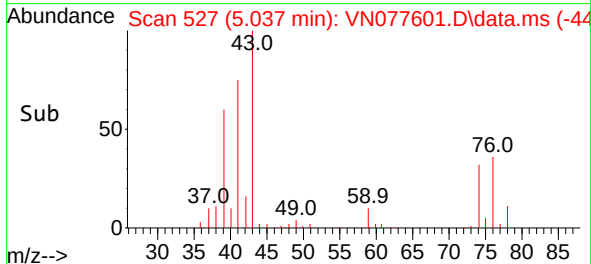
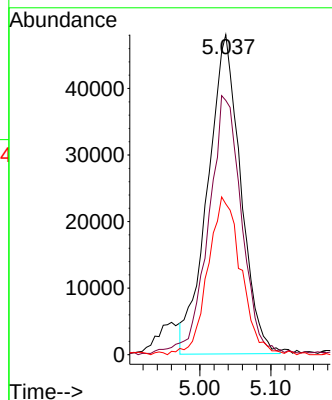
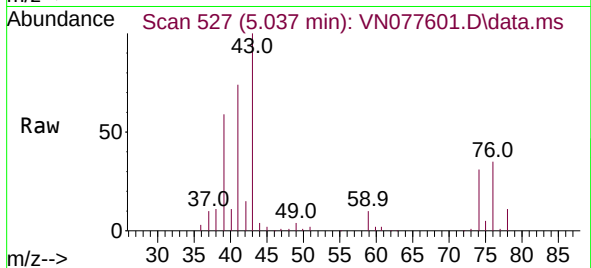
Tgt Ion: 41 Resp: 154554

Ion Ratio Lower Upper

41 100

39 78.9 39.5 118.3

76 46.9 23.4 70.3



#18

Methylene Chloride

Concen: 19.500 ug/l

RT: 5.295 min Scan# 571

Delta R.T. 0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Tgt Ion: 84 Resp: 153992

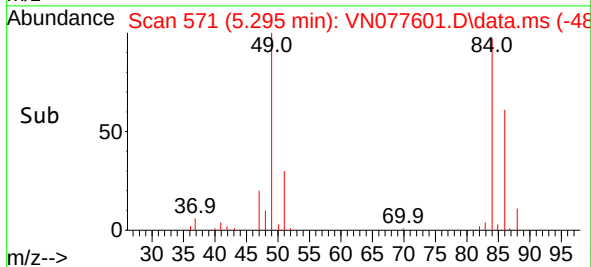
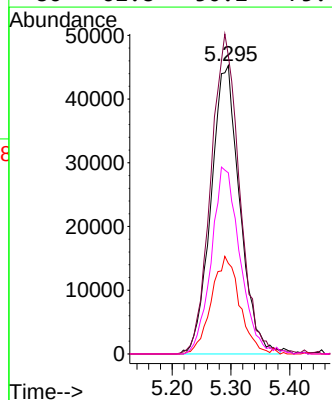
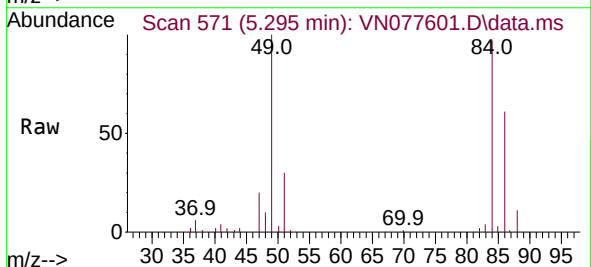
Ion Ratio Lower Upper

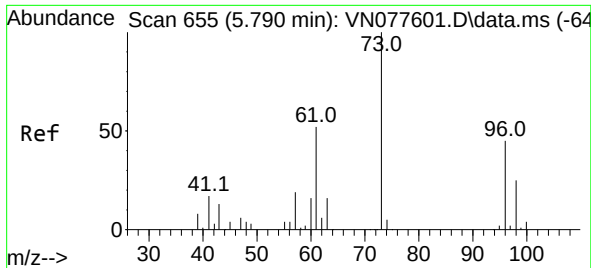
84 100

49 103.0 82.4 123.6

51 31.4 25.1 37.7

86 62.8 50.2 75.4

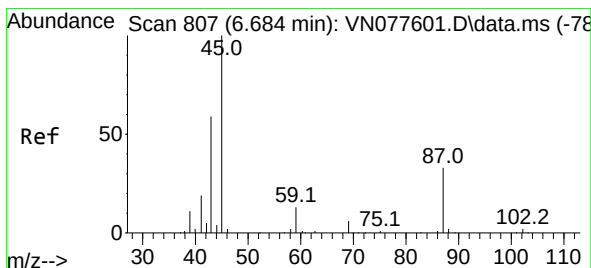
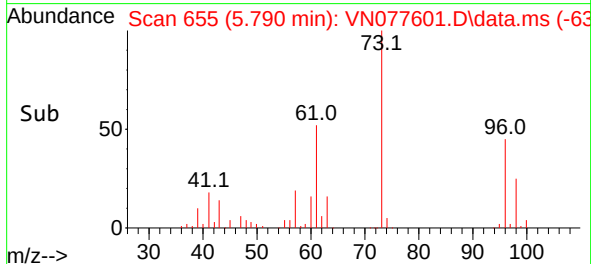
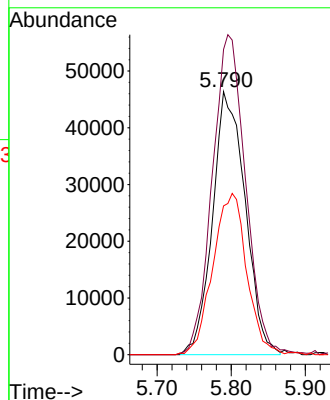
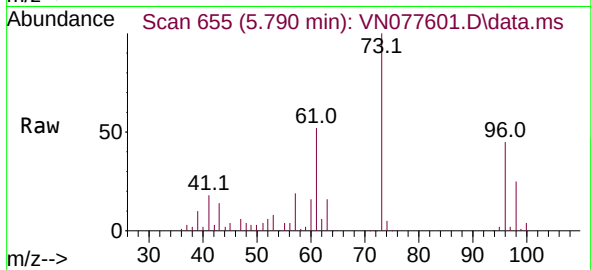




#19
trans-1,2-Dichloroethene
Concen: 19.694 ug/l
RT: 5.790 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

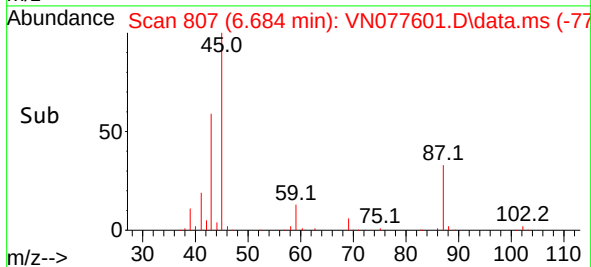
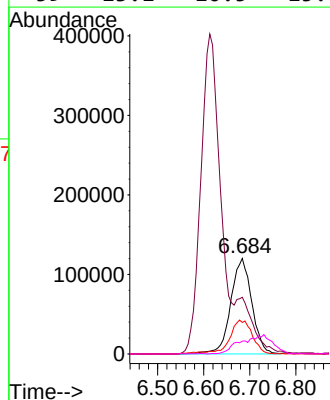
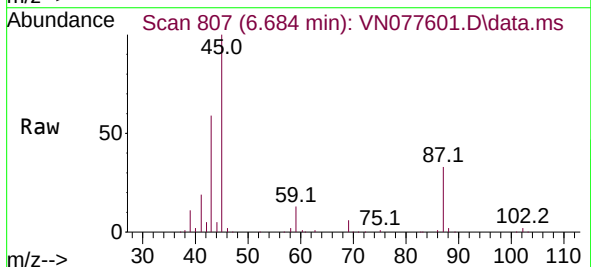
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

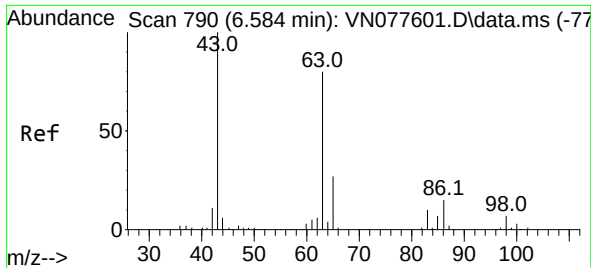
Tgt Ion: 96 Resp: 141782
Ion Ratio Lower Upper
96 100
61 115.5 92.4 138.6
98 56.0 44.8 67.2



#20
Diisopropyl ether
Concen: 19.544 ug/l
RT: 6.684 min Scan# 807
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 45 Resp: 381140
Ion Ratio Lower Upper
45 100
43 58.9 47.1 70.7
87 32.7 26.2 39.2
59 13.1 10.5 15.7

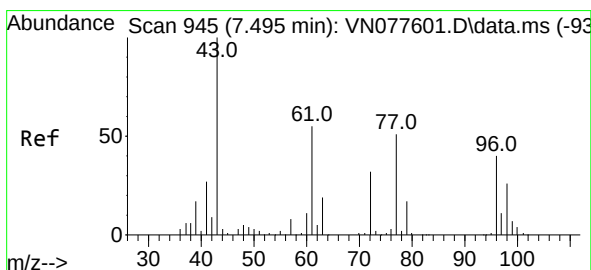
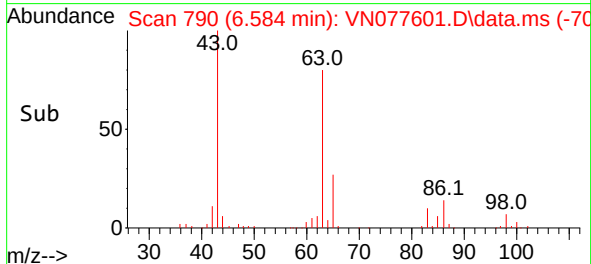
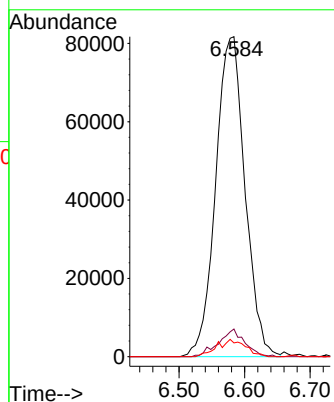
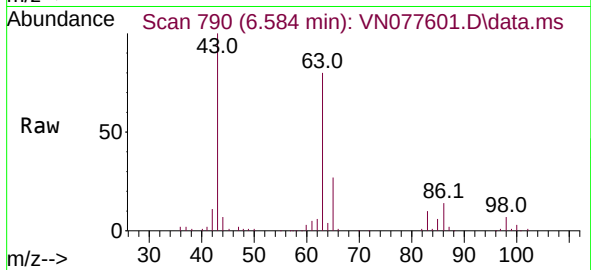




#21
1,1-Dichloroethane
Concen: 19.298 ug/l
RT: 6.584 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

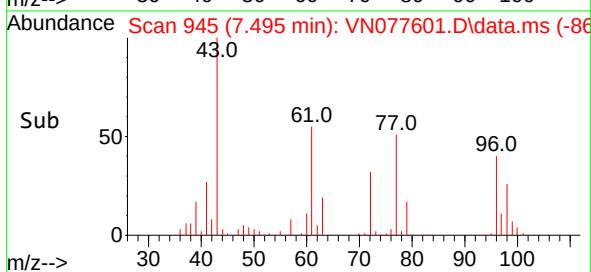
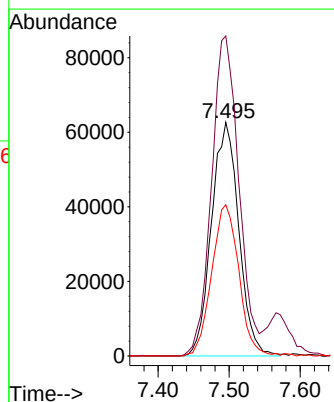
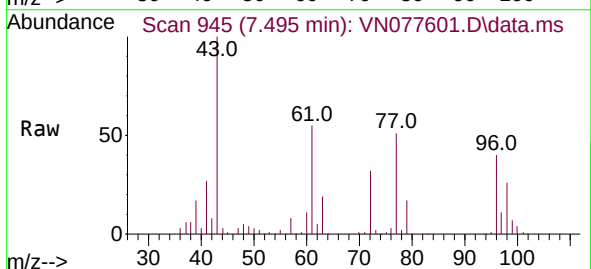
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

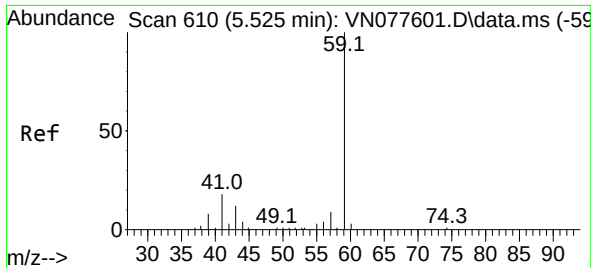
Tgt Ion: 63 Resp: 253680
Ion Ratio Lower Upper
63 100
98 8.7 4.3 13.1
100 4.5 2.3 6.8



#22
cis-1,2-Dichloroethene
Concen: 19.269 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 96 Resp: 167477
Ion Ratio Lower Upper
96 100
61 136.7 109.4 164.0
98 64.0 51.2 76.8

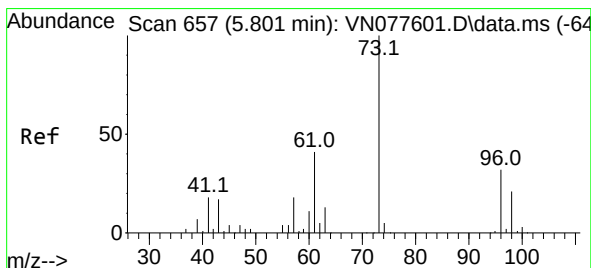
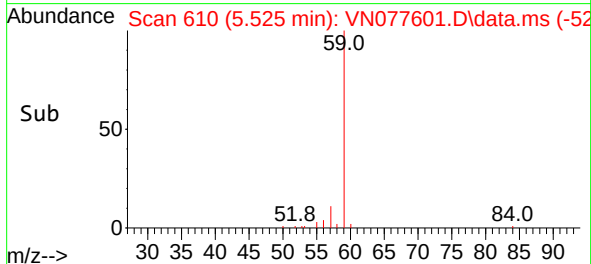
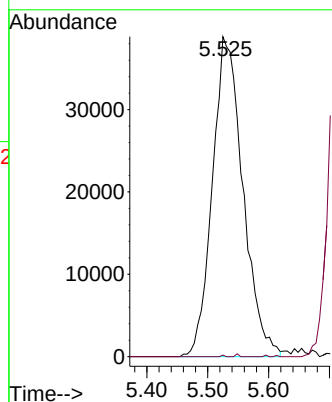
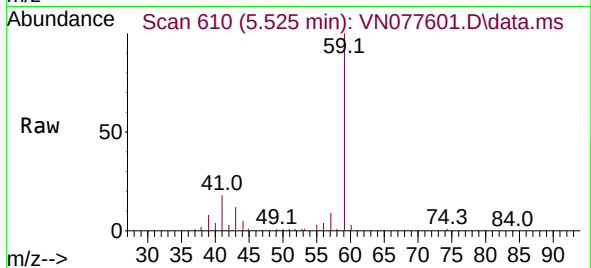




#23
tert-Butyl Alcohol
Concen: 100.167 ug/l
RT: 5.525 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

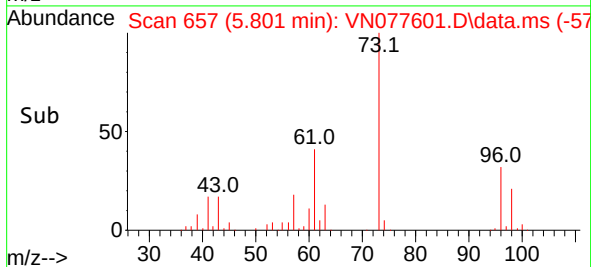
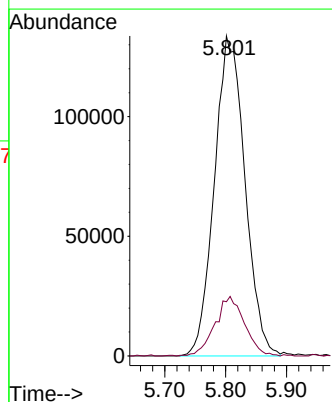
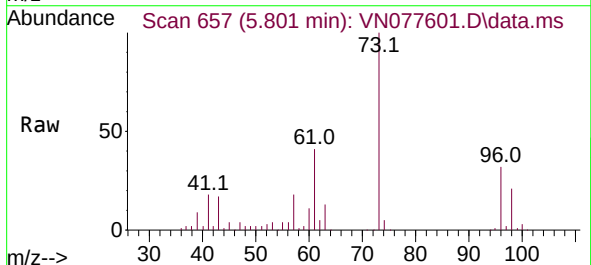
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

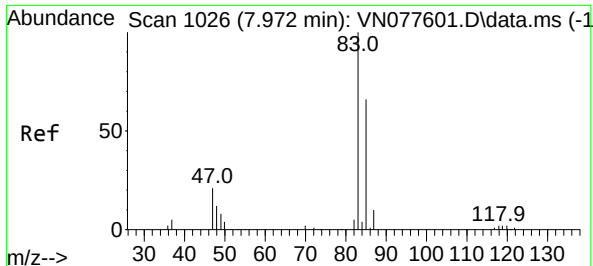
Tgt Ion: 59 Resp: 135133
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 19.588 ug/l
RT: 5.801 min Scan# 657
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 73 Resp: 466004
Ion Ratio Lower Upper
73 100
43 17.9 14.3 21.5





#25

Chloroform

Concen: 19.636 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

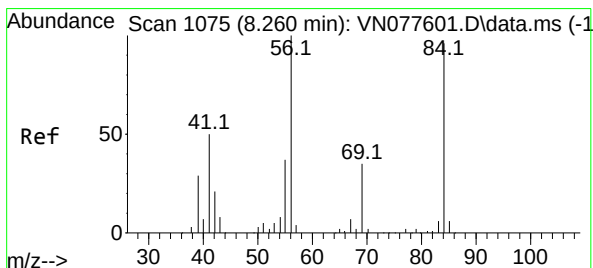
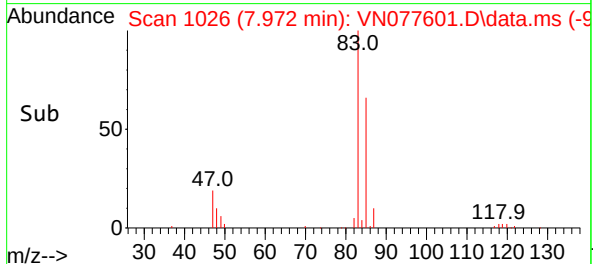
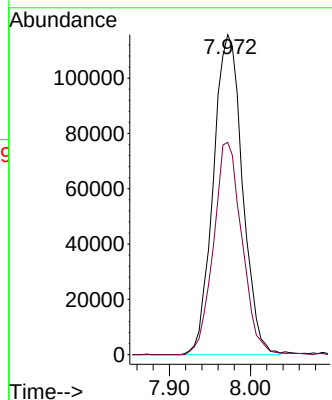
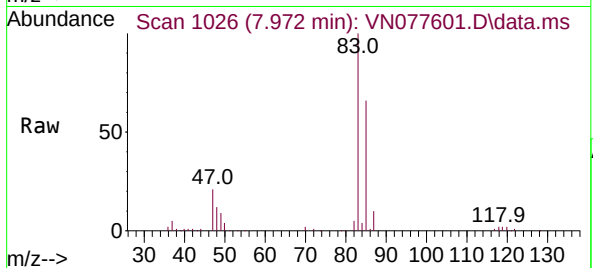
VSTDICCC020

Tgt Ion: 83 Resp: 289089

Ion Ratio Lower Upper

83 100

85 66.3 53.0 79.6



#26

Cyclohexane

Concen: 19.087 ug/l

RT: 8.260 min Scan# 1075

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

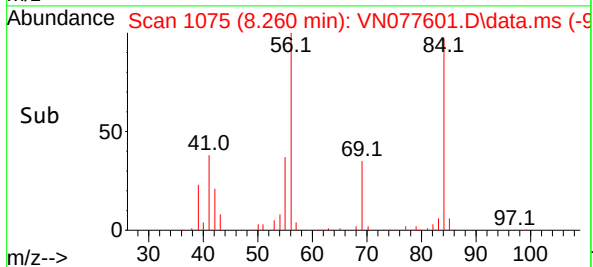
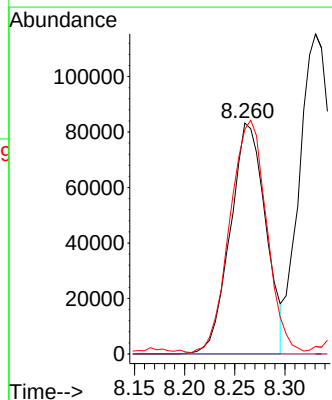
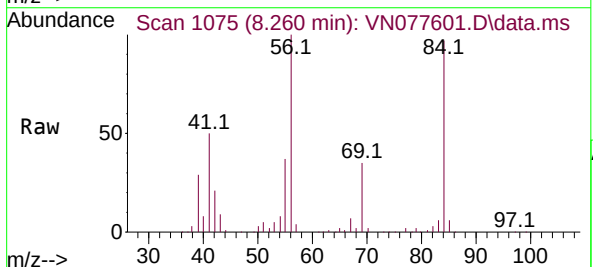
Tgt Ion: 56 Resp: 204140

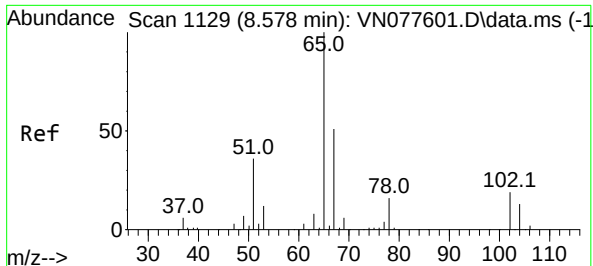
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 105.7 84.6 126.8





#27

1,2-Dichloroethane-d4

Concen: 29.709 ug/l

RT: 8.578 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

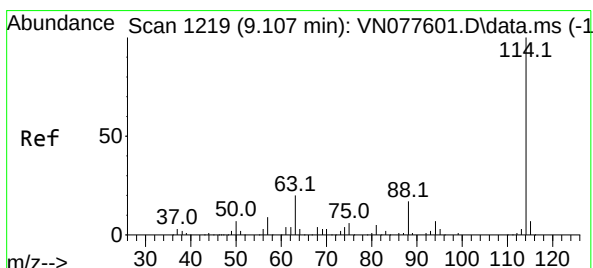
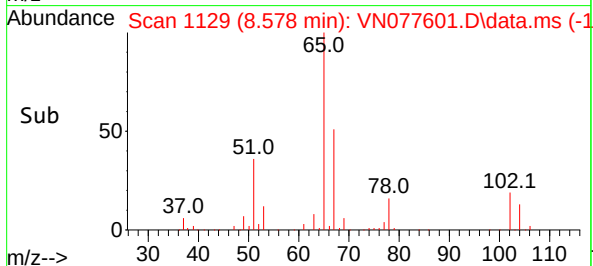
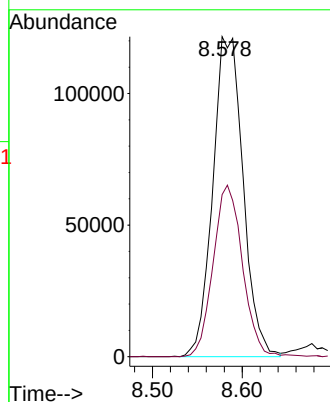
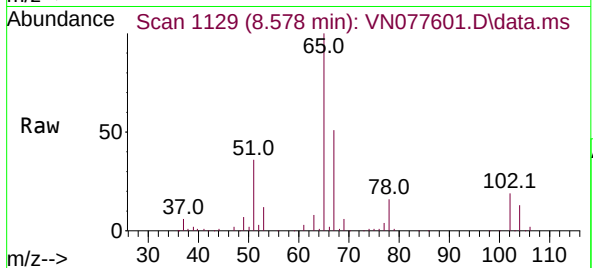
VSTDICCC020

Tgt Ion: 65 Resp: 285137

Ion Ratio Lower Upper

65 100

67 51.6 41.3 61.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

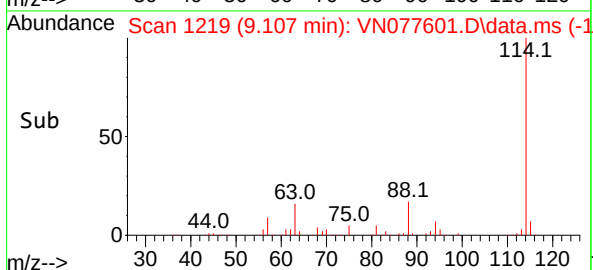
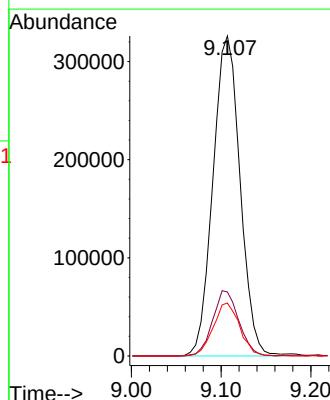
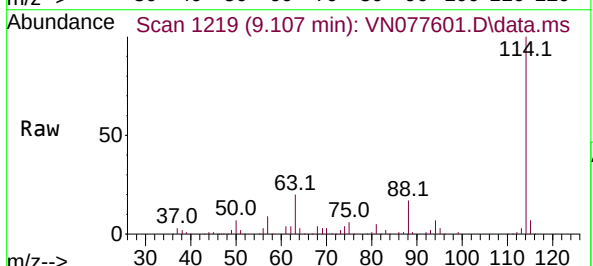
Tgt Ion: 114 Resp: 683578

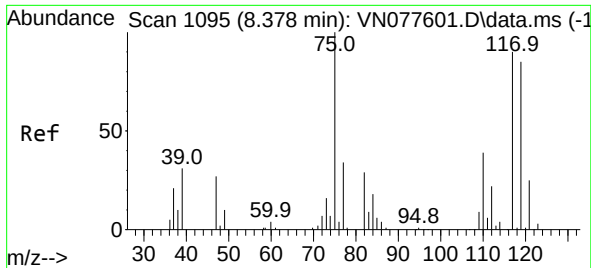
Ion Ratio Lower Upper

114 100

63 19.7 15.8 23.6

88 16.2 13.0 19.4

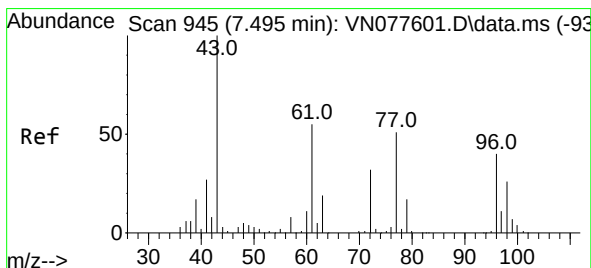
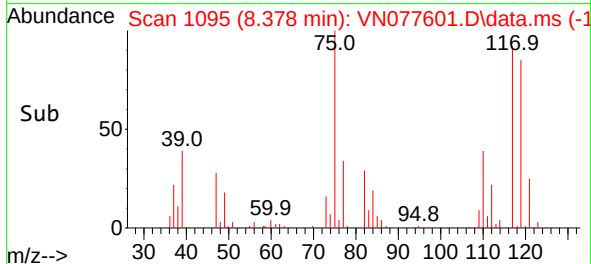
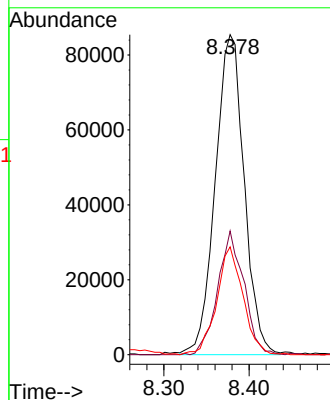
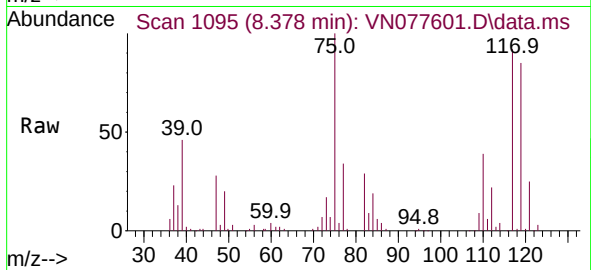




#29
1,1-Dichloropropene
Concen: 20.082 ug/l
RT: 8.378 min Scan# 1095
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

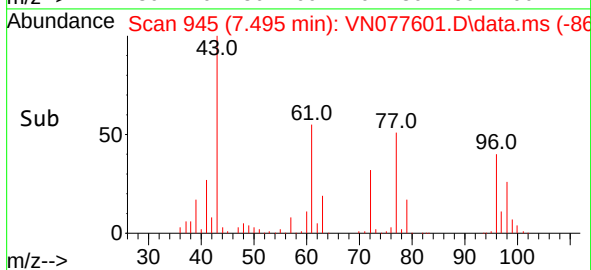
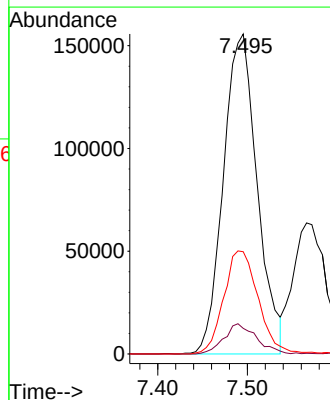
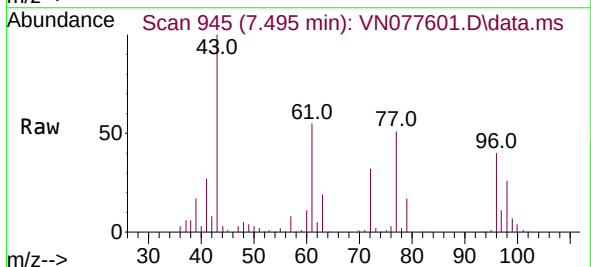
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

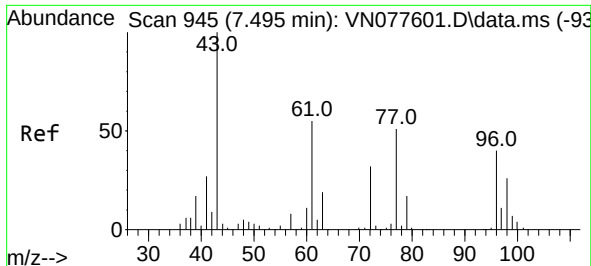
Tgt Ion: 75 Resp: 201127
Ion Ratio Lower Upper
75 100
110 34.9 0.0 69.8
77 30.7 0.0 61.4



#30
2-Butanone
Concen: 100.615 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 43 Resp: 407826
Ion Ratio Lower Upper
43 100
57 9.0 7.2 10.8
72 32.7 26.2 39.2

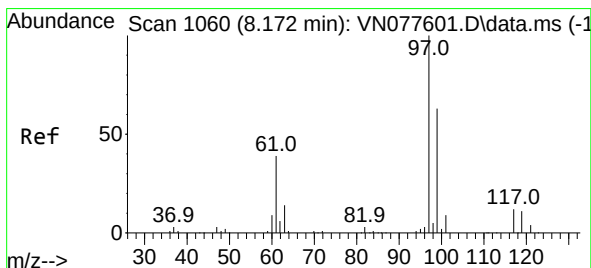
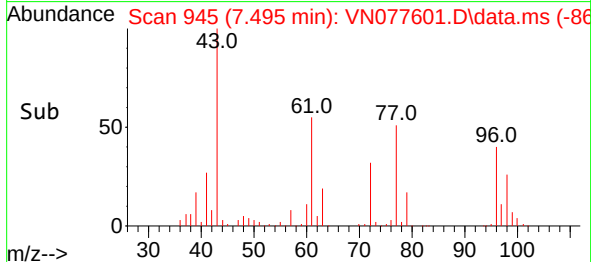
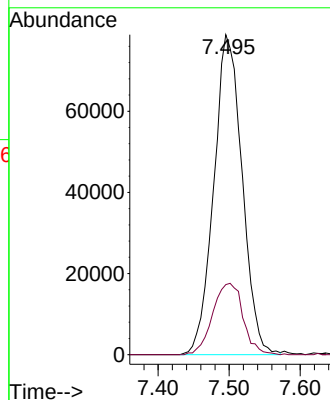
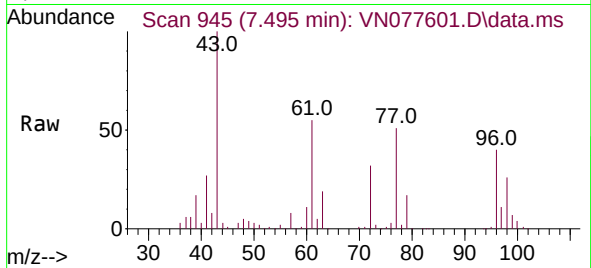




#31
2,2-Dichloropropane
Concen: 19.826 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

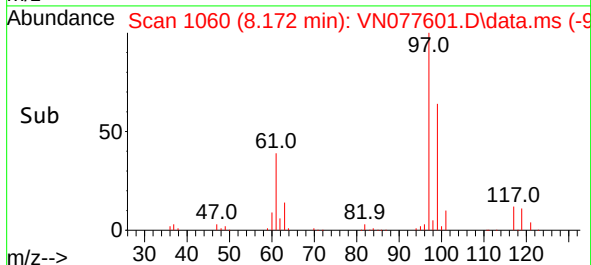
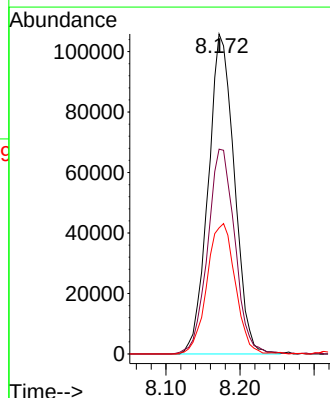
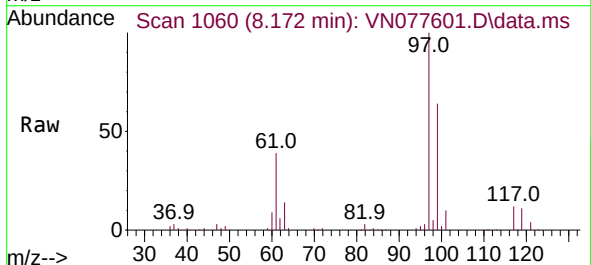
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

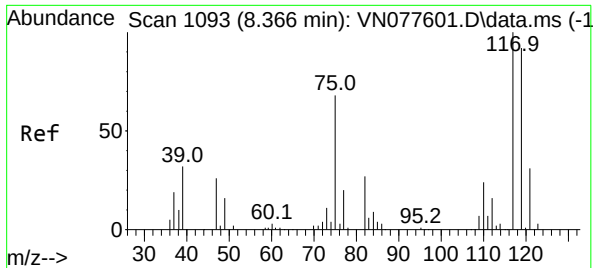
Tgt Ion: 77 Resp: 218798
Ion Ratio Lower Upper
77 100
97 23.9 19.1 28.7



#32
1,1,1-Trichloroethane
Concen: 19.724 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 97 Resp: 259280
Ion Ratio Lower Upper
97 100
99 66.4 53.1 79.7
61 43.9 35.1 52.7

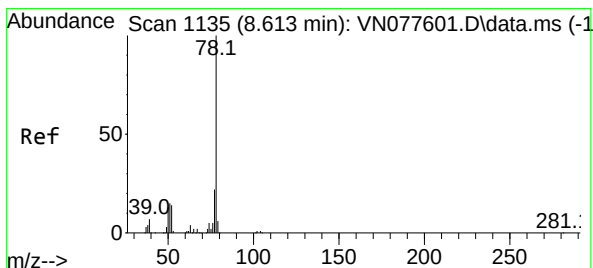
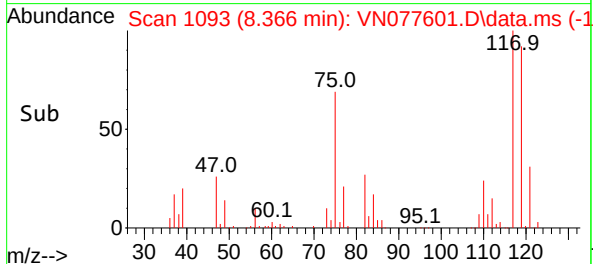
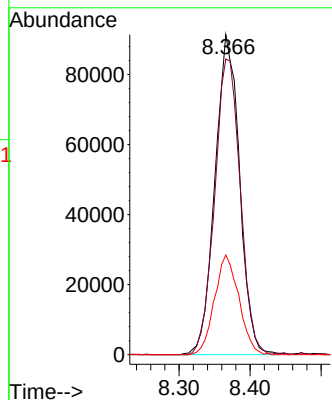
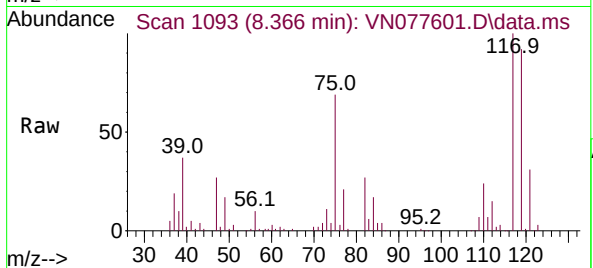




#33
Carbon Tetrachloride
Concen: 20.041 ug/l
RT: 8.366 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

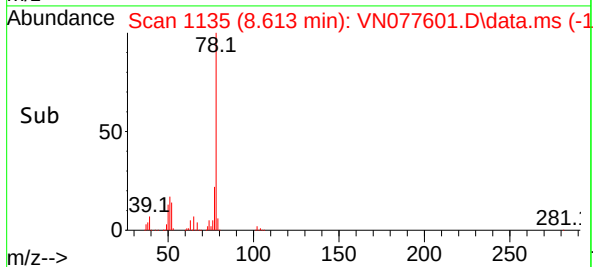
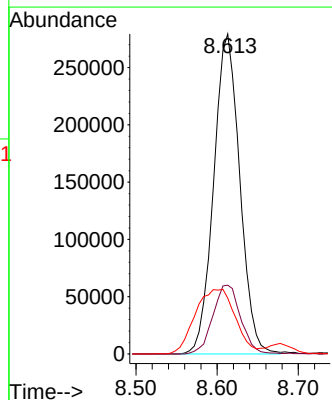
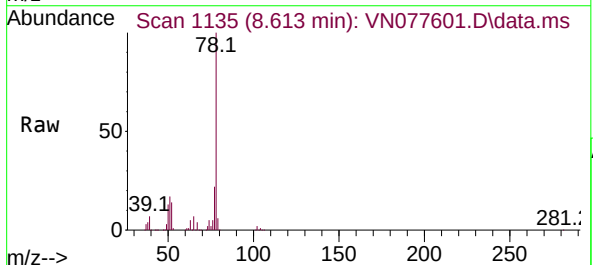
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

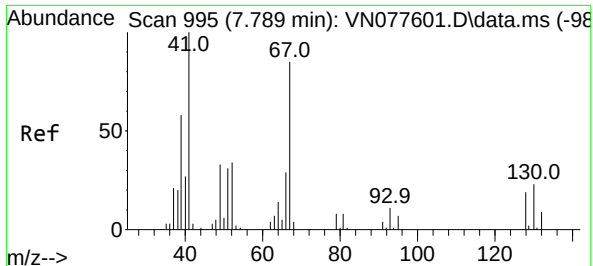
Tgt Ion:117 Resp: 218869
Ion Ratio Lower Upper
117 100
119 92.4 73.9 110.9
121 31.2 25.0 37.4



#34
Benzene
Concen: 20.208 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 78 Resp: 624462
Ion Ratio Lower Upper
78 100
77 21.5 17.2 25.8
51 15.4 12.3 18.5



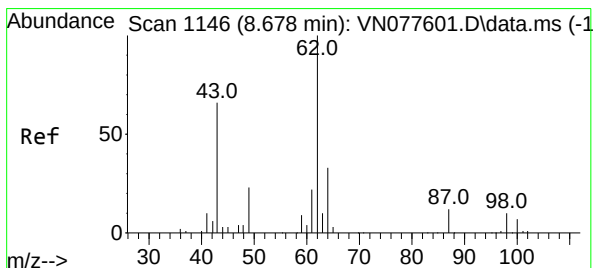
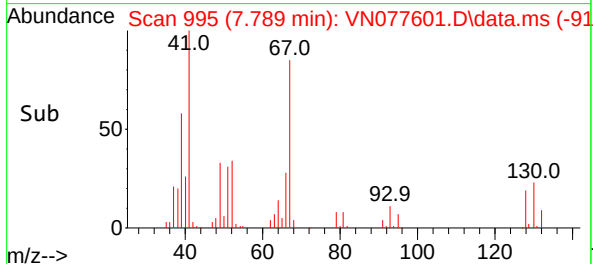
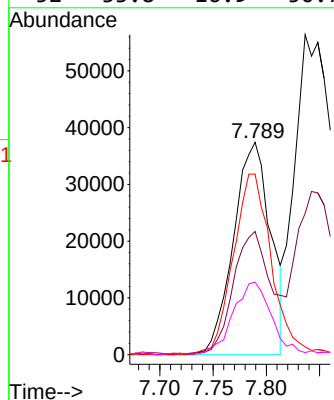
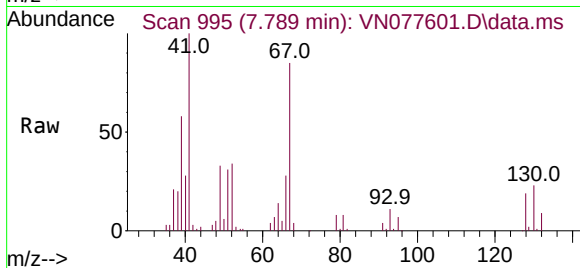


#35
Methacrylonitrile
Concen: 20.191 ug/l
RT: 7.789 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 41 Resp: 90768

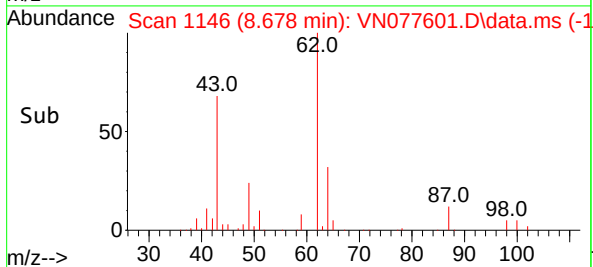
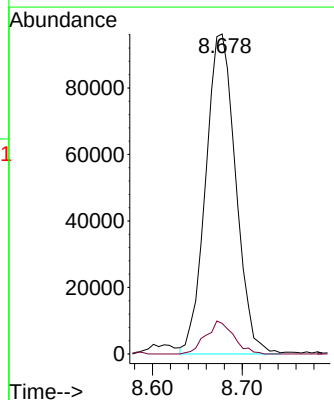
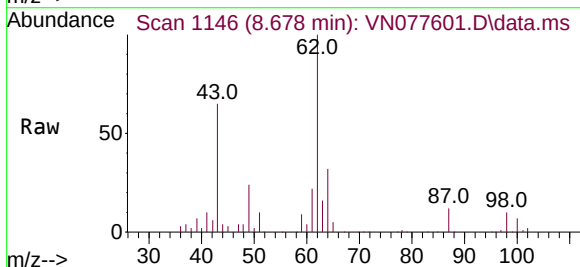
Ion	Ratio	Lower	Upper
41	100		
39	57.5	28.7	86.3
67	85.4	42.7	128.1
52	33.8	16.9	50.7

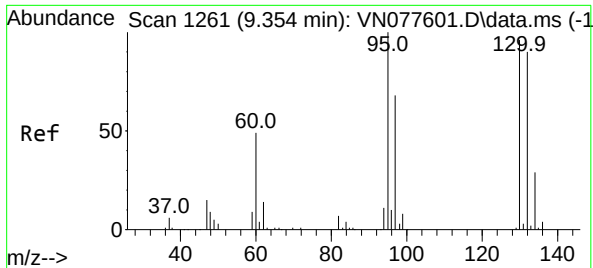


#36
1,2-Dichloroethane
Concen: 20.380 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 62 Resp: 224001

Ion	Ratio	Lower	Upper
62	100		
98	9.5	7.6	11.4

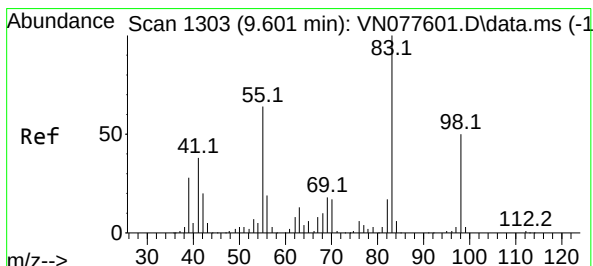
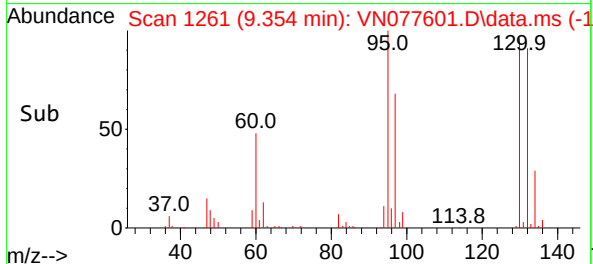
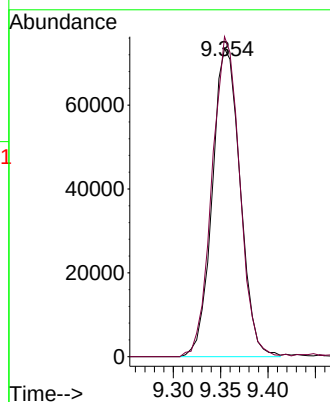
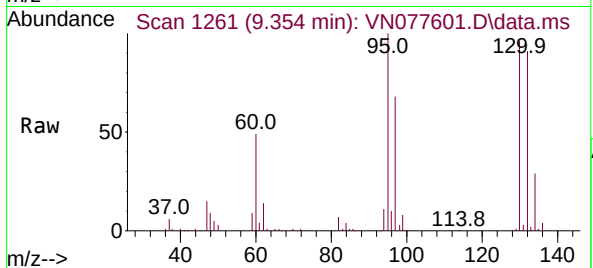




#37
Trichloroethene
Concen: 19.961 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

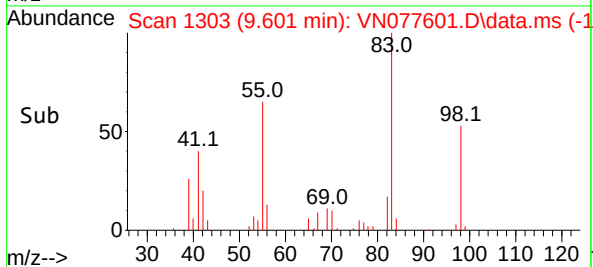
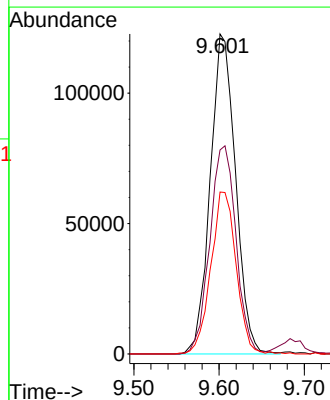
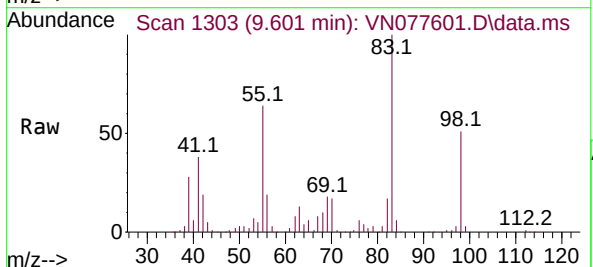
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

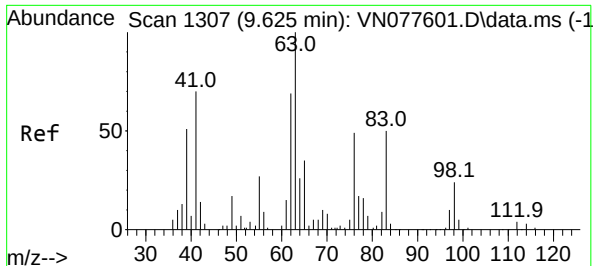
Tgt Ion:130 Resp: 150534
Ion Ratio Lower Upper
130 100
95 103.8 83.0 124.6



#38
Methylcyclohexane
Concen: 20.130 ug/l
RT: 9.601 min Scan# 1303
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 83 Resp: 253169
Ion Ratio Lower Upper
83 100
55 67.2 33.6 100.8
98 50.5 25.3 75.8





#39

1,2-Dichloropropane

Concen: 20.209 ug/l

RT: 9.625 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

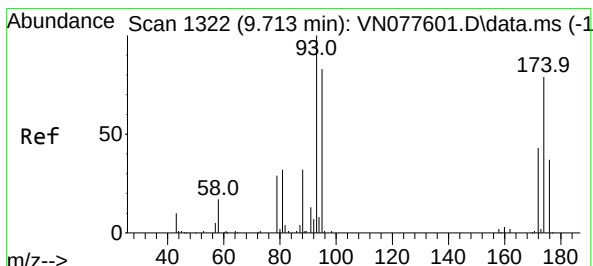
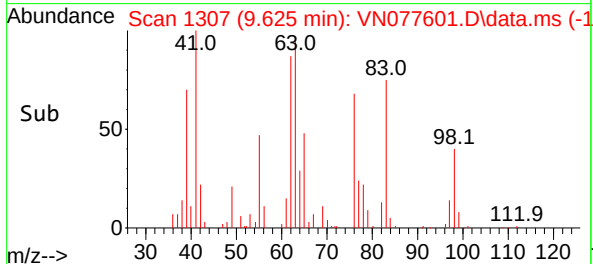
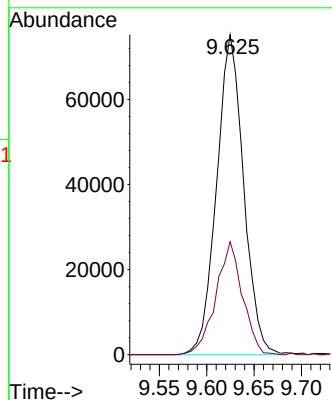
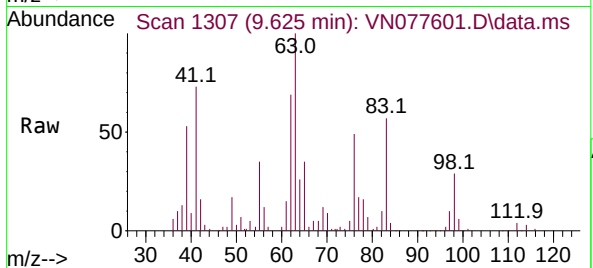
VSTDICCC020

Tgt Ion: 63 Resp: 148912

Ion Ratio Lower Upper

63 100

65 35.3 28.2 42.4



#40

Dibromomethane

Concen: 20.268 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

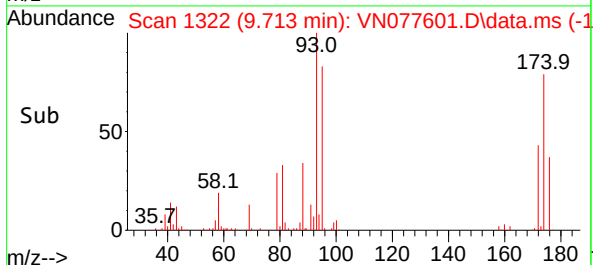
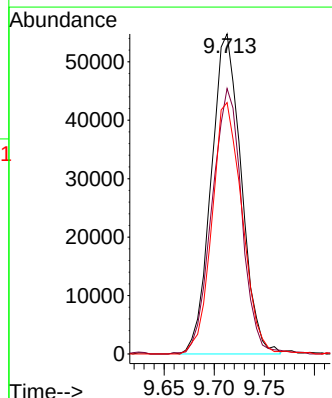
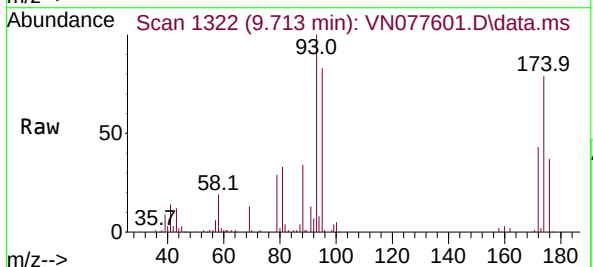
Tgt Ion: 93 Resp: 114255

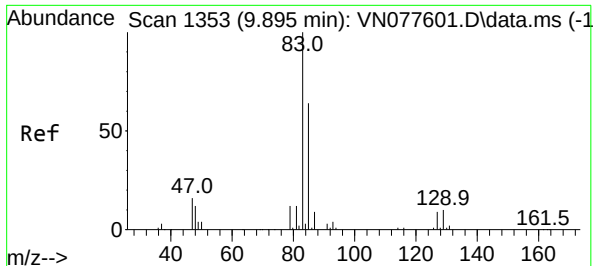
Ion Ratio Lower Upper

93 100

95 82.0 0.0 164.0

174 78.5 0.0 157.0

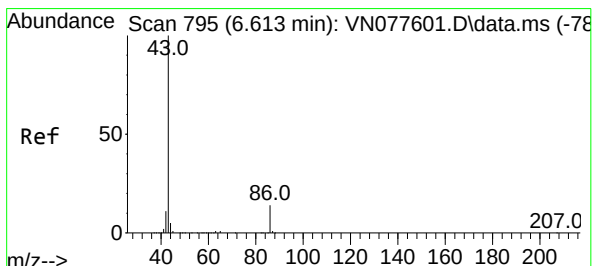
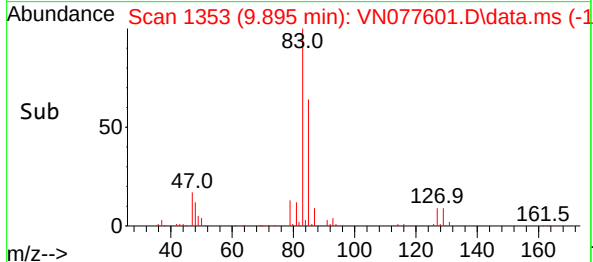
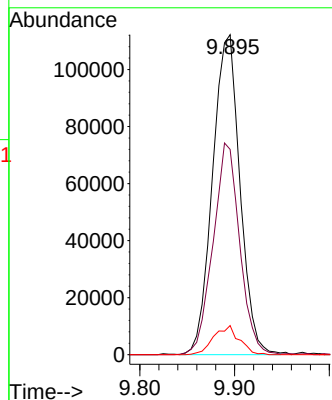
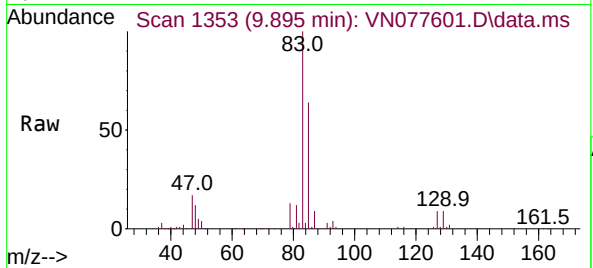




#41
Bromodichloromethane
Concen: 20.223 ug/l
RT: 9.895 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

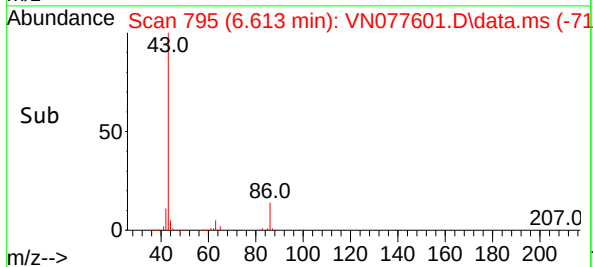
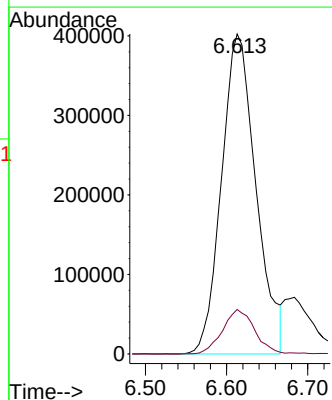
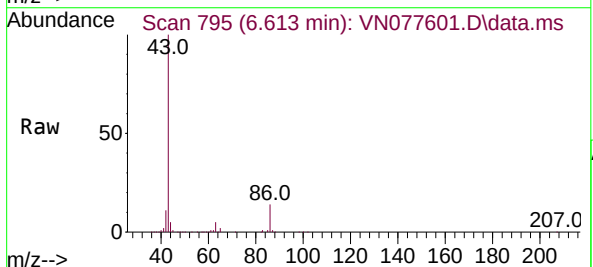
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

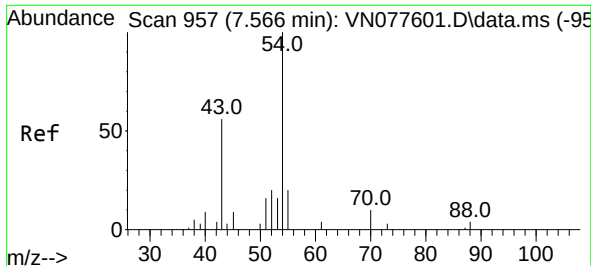
Tgt Ion: 83 Resp: 225821
Ion Ratio Lower Upper
83 100
85 64.0 51.2 76.8
127 9.1 7.3 10.9



#42
Vinyl Acetate
Concen: 100.336 ug/l
RT: 6.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 43 Resp: 1187034
Ion Ratio Lower Upper
43 100
86 12.9 10.3 15.5

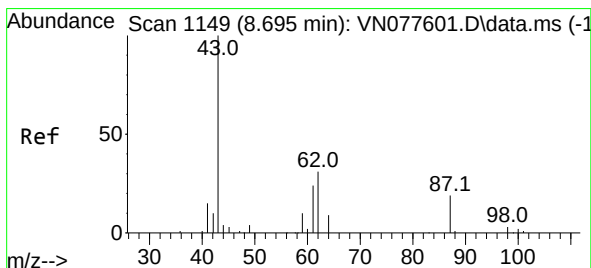
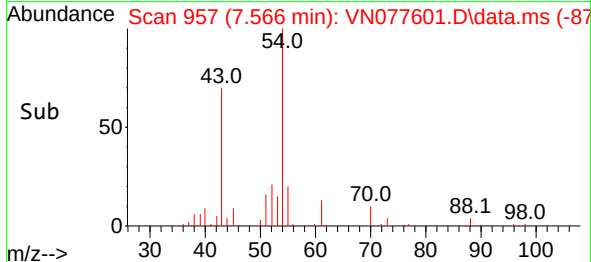
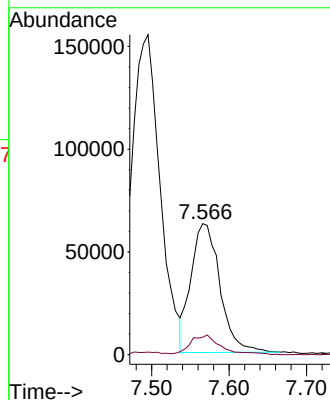
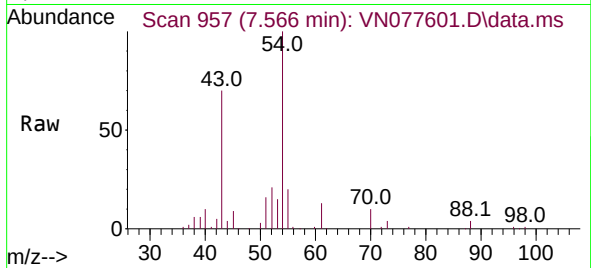




#43
Ethyl Acetate
Concen: 19.346 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

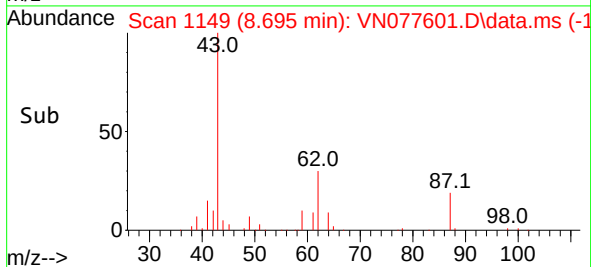
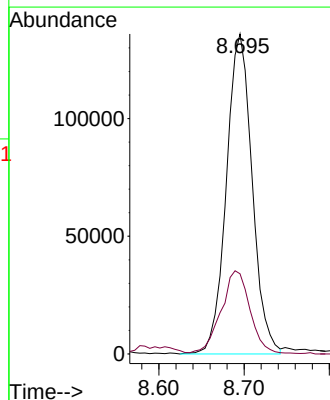
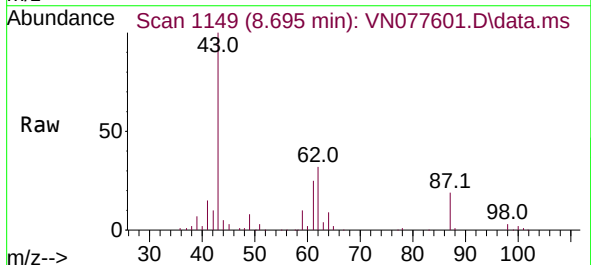
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

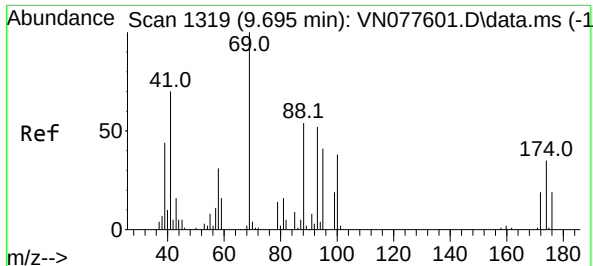
Tgt Ion: 43 Resp: 163011
Ion Ratio Lower Upper
43 100
45 10.3 8.2 12.4



#44
Isopropyl Acetate
Concen: 19.946 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 43 Resp: 285826
Ion Ratio Lower Upper
43 100
61 29.0 23.2 34.8





#45

1,4-Dioxane

Concen: 395.754 ug/l

RT: 9.695 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

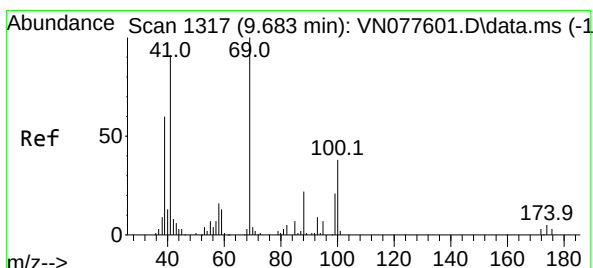
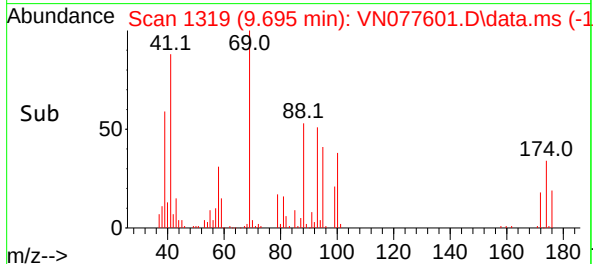
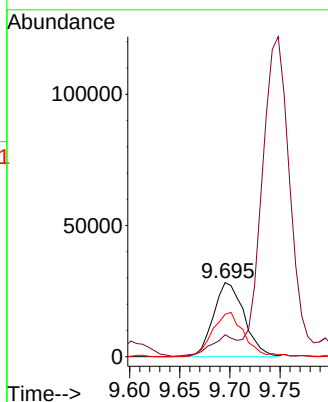
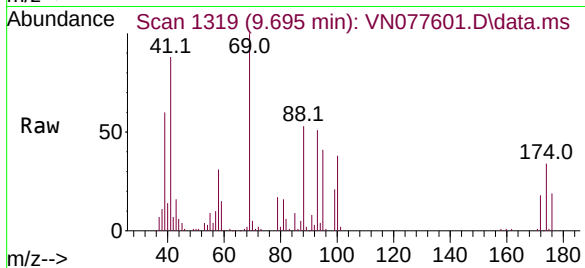
Tgt Ion: 88 Resp: 60300

Ion Ratio Lower Upper

88 100

43 22.7 18.2 27.2

58 59.4 47.5 71.3



#46

Methyl methacrylate

Concen: 19.994 ug/l

RT: 9.683 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

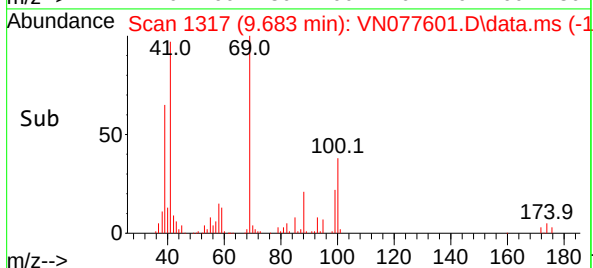
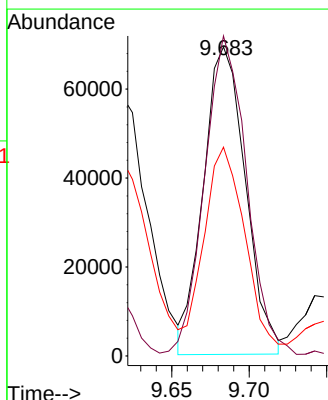
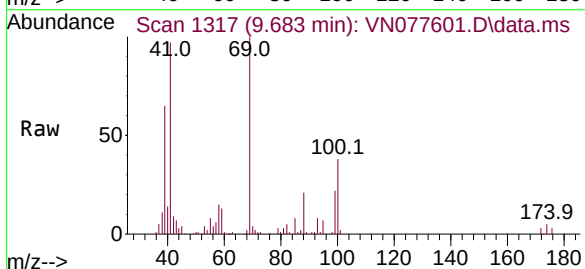
Tgt Ion: 41 Resp: 130614

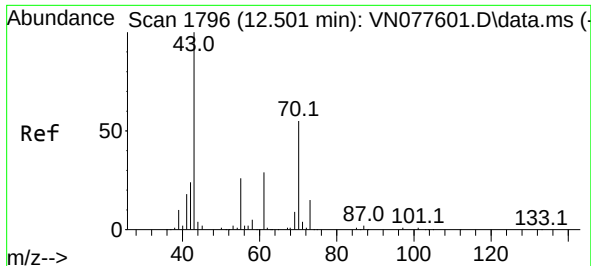
Ion Ratio Lower Upper

41 100

69 104.0 52.0 156.0

39 67.1 33.6 100.6





#47

n-amy1 Acetate

Concen: 19.557 ug/l

RT: 12.501 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

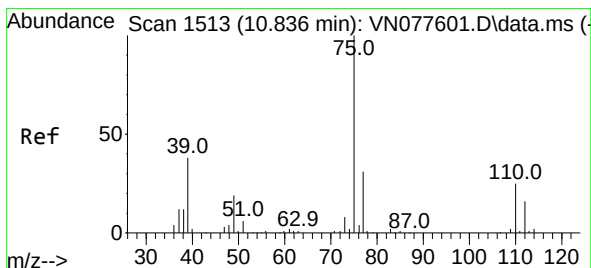
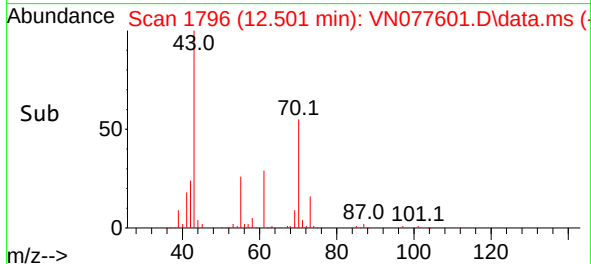
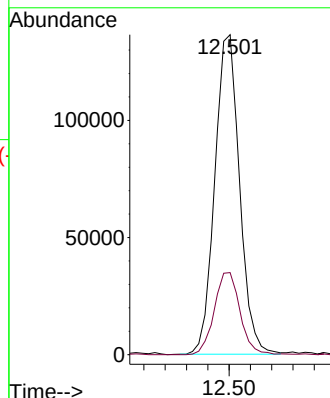
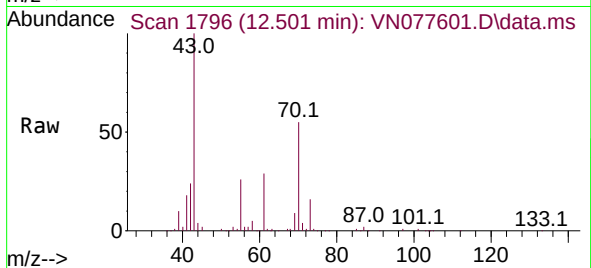
VSTDICCC020

Tgt Ion: 43 Resp: 219665

Ion Ratio Lower Upper

43 100

55 26.7 21.4 32.0



#48

t-1,3-Dichloropropene

Concen: 19.480 ug/l

RT: 10.836 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VN077601.D

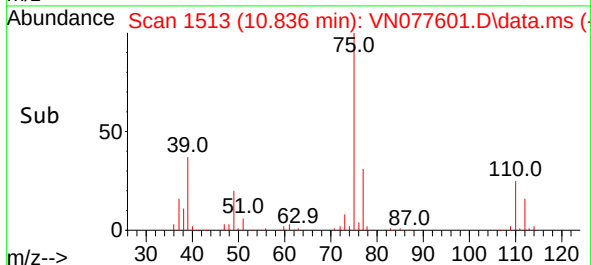
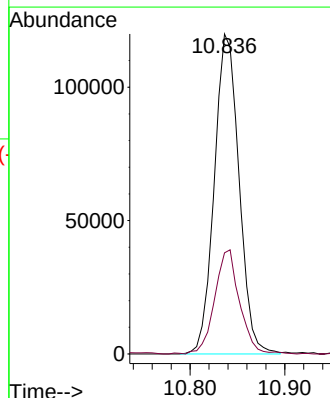
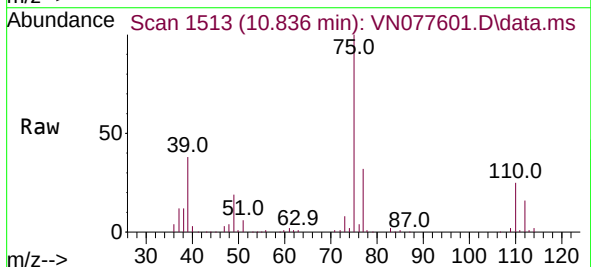
Acq: 05 May 2023 19:42

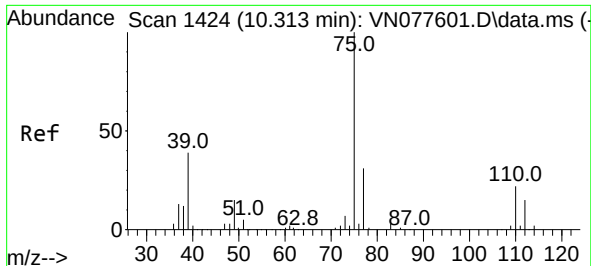
Tgt Ion: 75 Resp: 217654

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7





#49

cis-1,3-Dichloropropene

Concen: 19.640 ug/l

RT: 10.313 min Scan# 1424

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

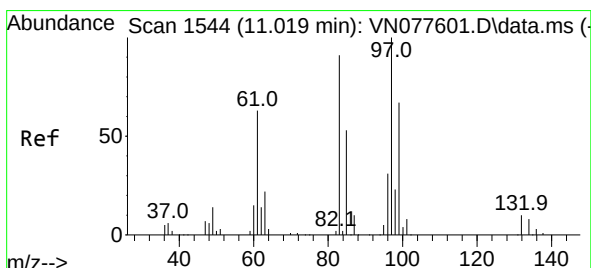
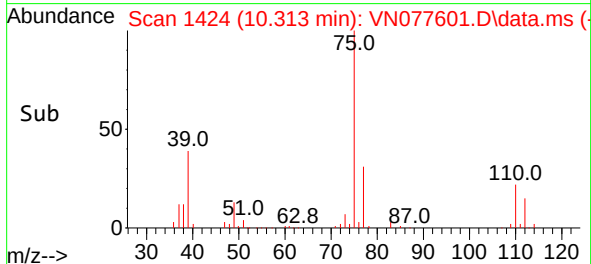
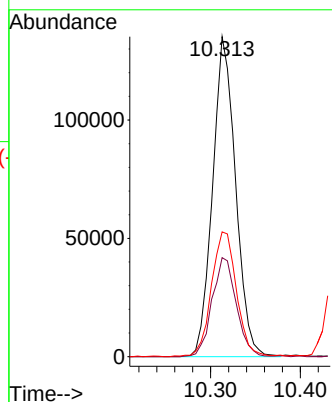
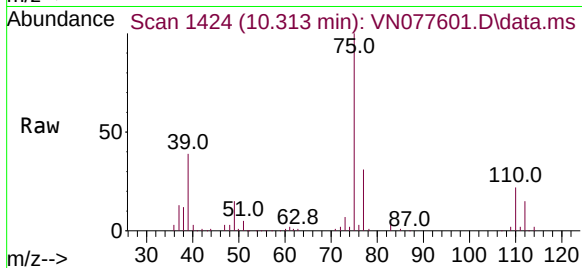
Tgt Ion: 75 Resp: 240569

Ion Ratio Lower Upper

75 100

77 30.9 24.7 37.1

39 38.8 31.0 46.6



#50

1,1,2-Trichloroethane

Concen: 19.923 ug/l

RT: 11.019 min Scan# 1544

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Tgt Ion: 97 Resp: 158301

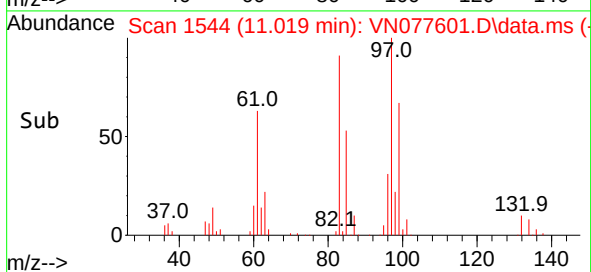
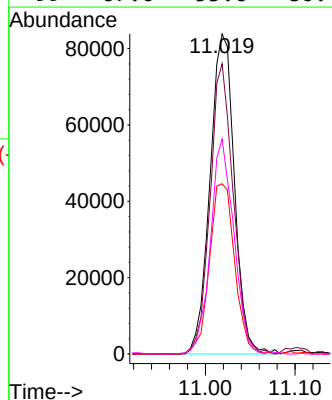
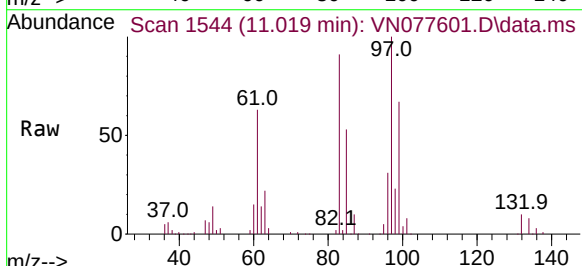
Ion Ratio Lower Upper

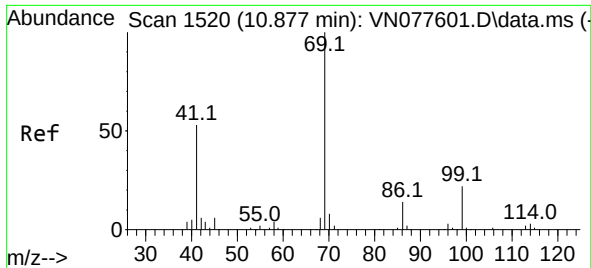
97 100

83 90.7 72.6 108.8

85 53.2 42.6 63.8

99 67.0 53.6 80.4

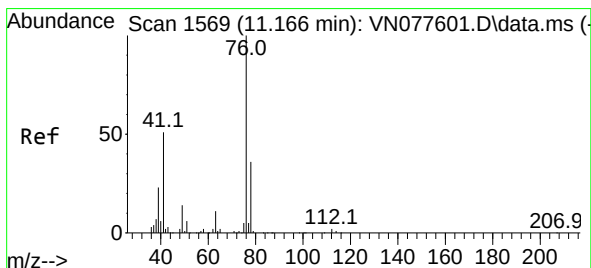
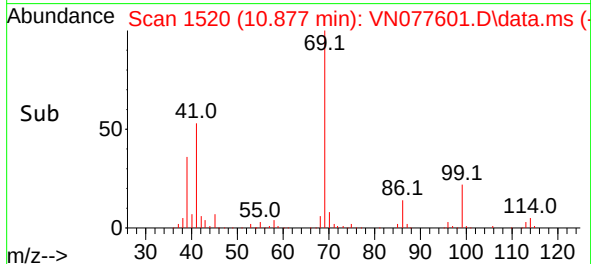
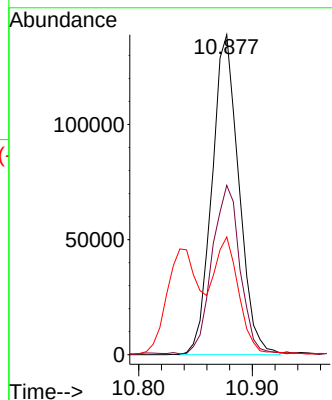
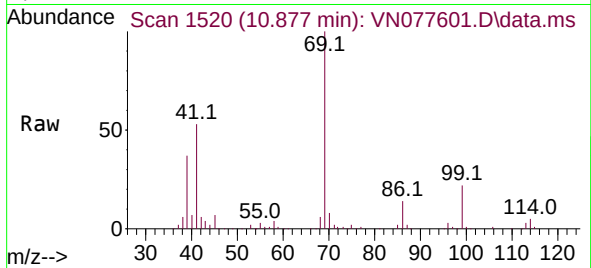




#51
Ethyl methacrylate
Concen: 19.661 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

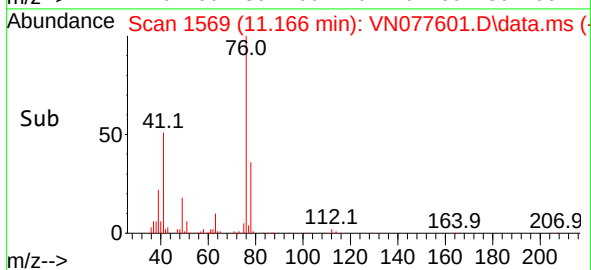
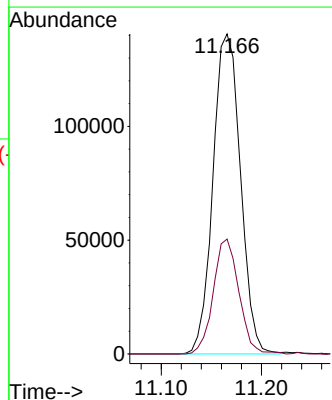
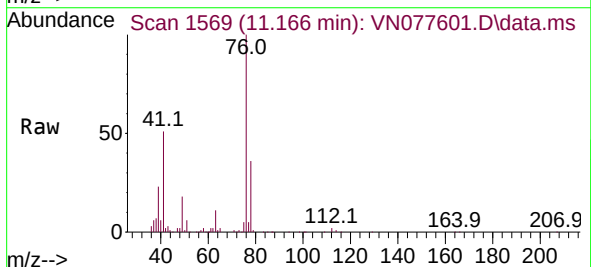
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

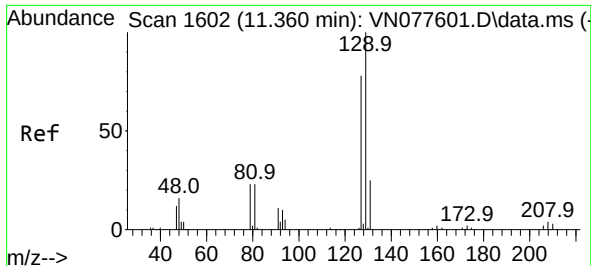
Tgt Ion: 69 Resp: 228763
Ion Ratio Lower Upper
69 100
41 52.6 26.3 78.9
39 36.1 18.1 54.1



#52
1,3-Dichloropropane
Concen: 20.065 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 76 Resp: 267868
Ion Ratio Lower Upper
76 100
78 33.2 0.0 66.4

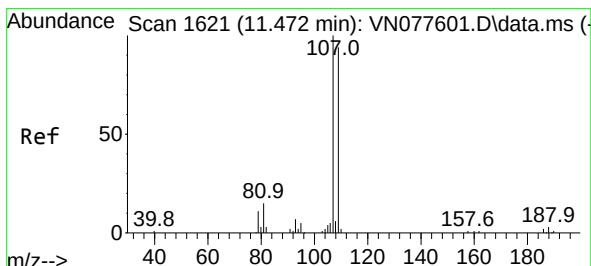
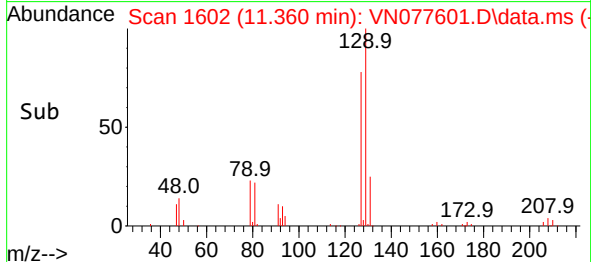
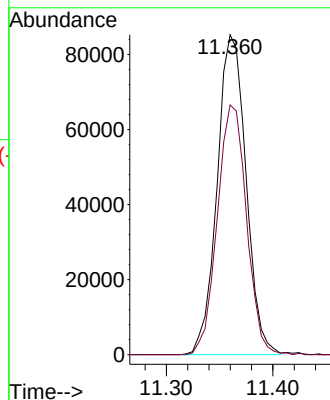
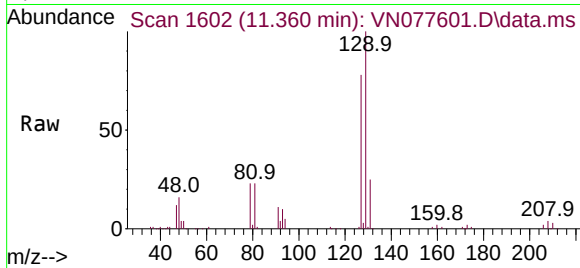




#53
Dibromochloromethane
Concen: 19.886 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

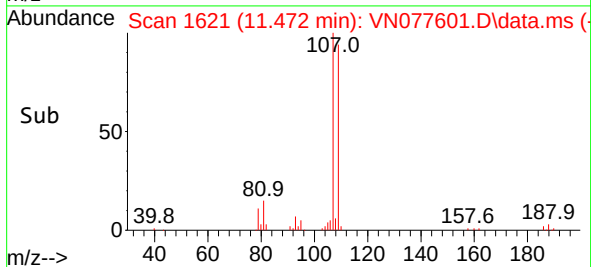
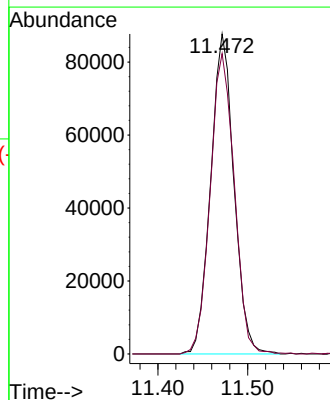
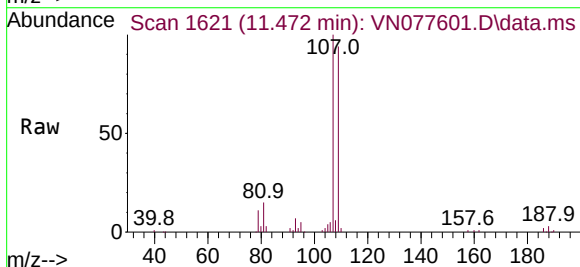
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

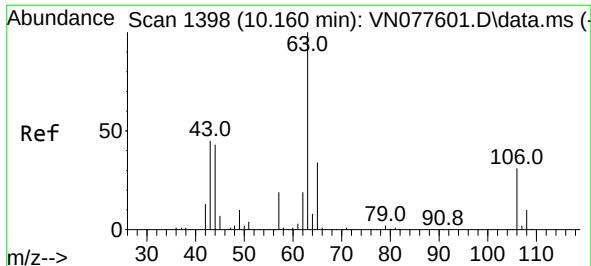
Tgt Ion:129 Resp: 160825
Ion Ratio Lower Upper
129 100
127 78.7 39.4 118.1



#54
1,2-Dibromoethane
Concen: 19.655 ug/l
RT: 11.472 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion:107 Resp: 158138
Ion Ratio Lower Upper
107 100
109 96.8 77.4 116.2

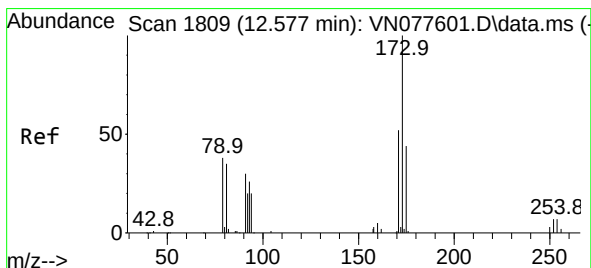
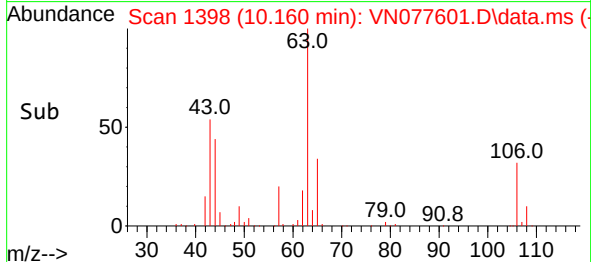
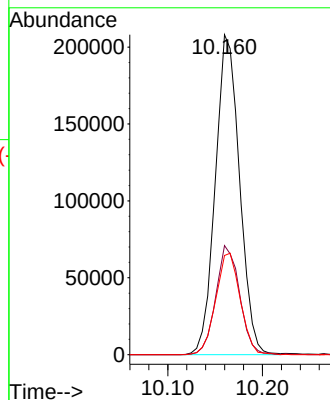
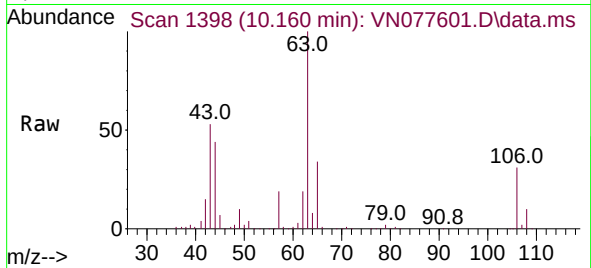




#55
2-Chloroethyl vinyl ether
Concen: 95.837 ug/l
RT: 10.160 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

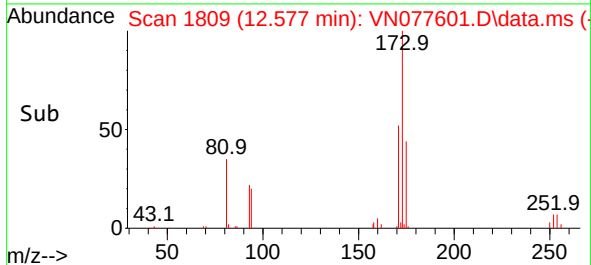
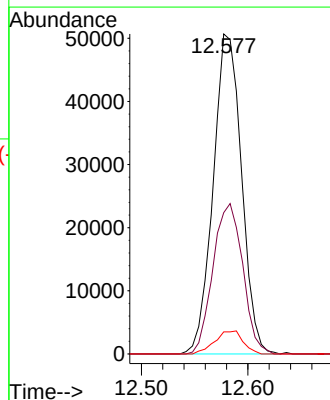
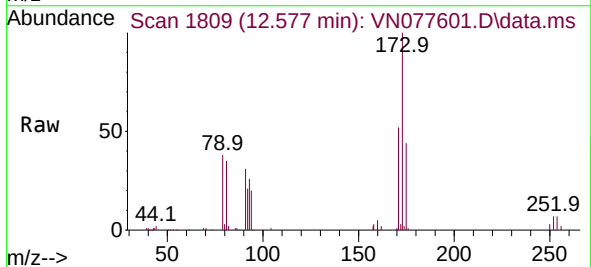
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

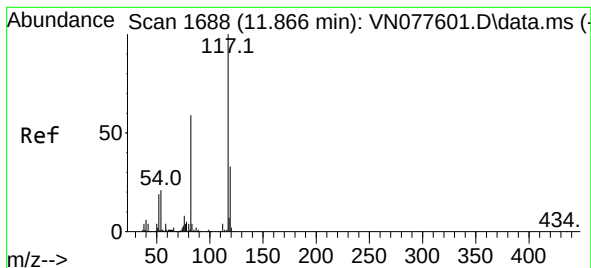
Tgt Ion: 63 Resp: 370246
Ion Ratio Lower Upper
63 100
65 33.5 26.8 40.2
106 32.0 25.6 38.4



#56
Bromoform
Concen: 19.228 ug/l
RT: 12.577 min Scan# 1809
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 173 Resp: 93653
Ion Ratio Lower Upper
173 100
175 49.3 39.4 59.2
254 7.2 5.8 8.6

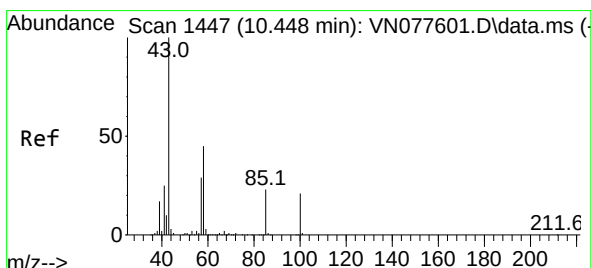
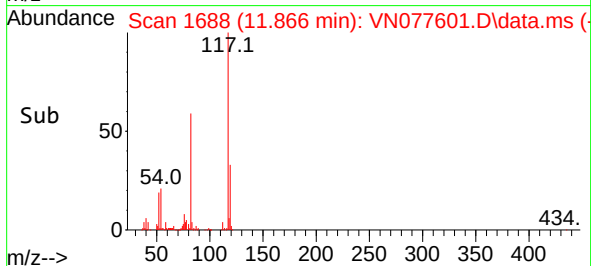
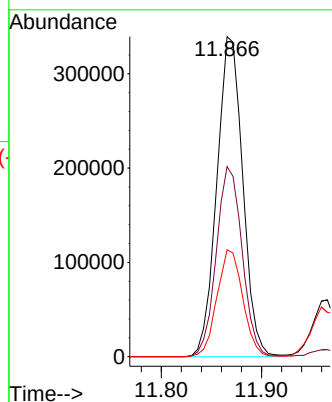
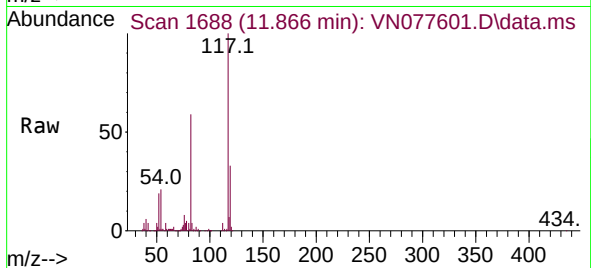




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

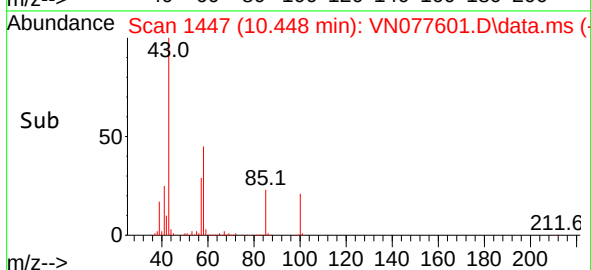
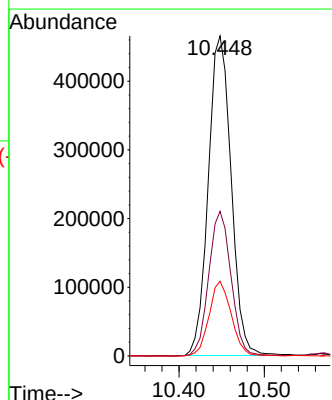
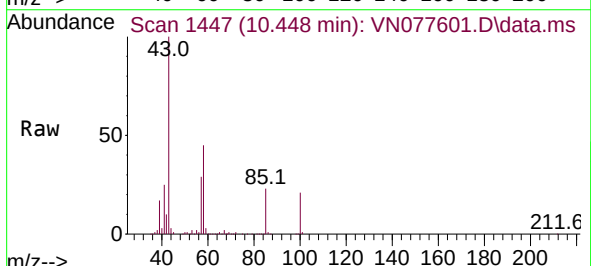
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

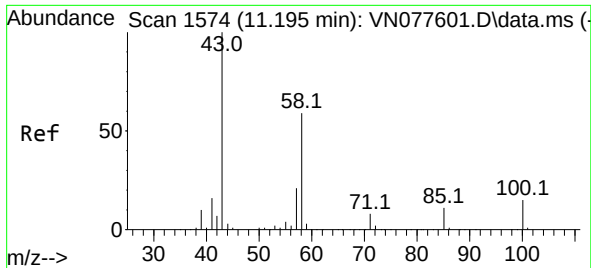
Tgt Ion:117 Resp: 609941
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 33.2 26.6 39.8



#58
4-Methyl-2-Pentanone
Concen: 101.941 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 43 Resp: 867505
Ion Ratio Lower Upper
43 100
58 44.3 35.4 53.2
85 22.7 18.2 27.2

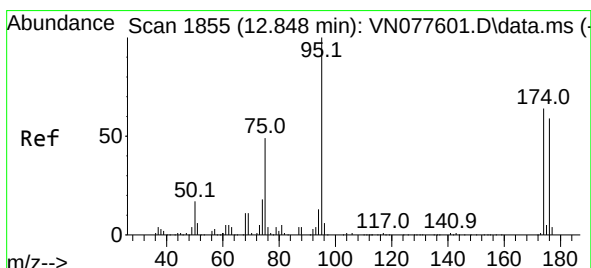
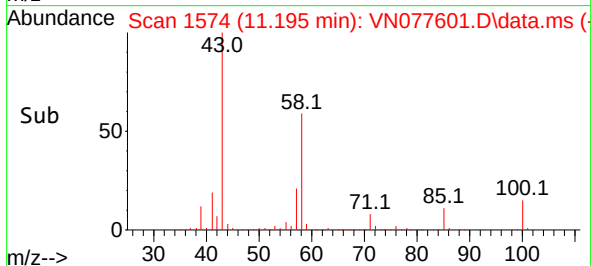
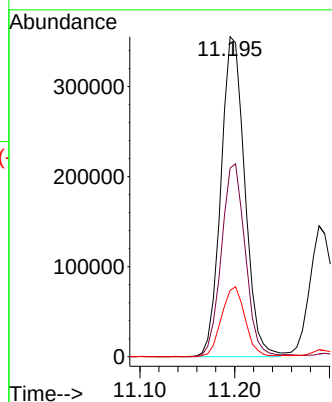
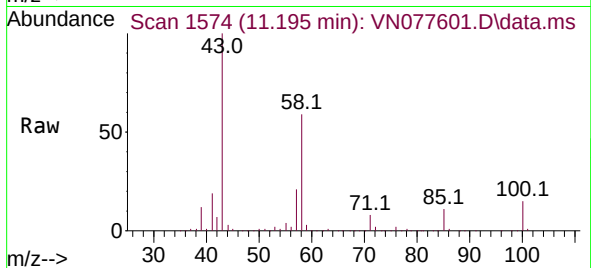




#59
2-Hexanone
Concen: 101.615 ug/l
RT: 11.195 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

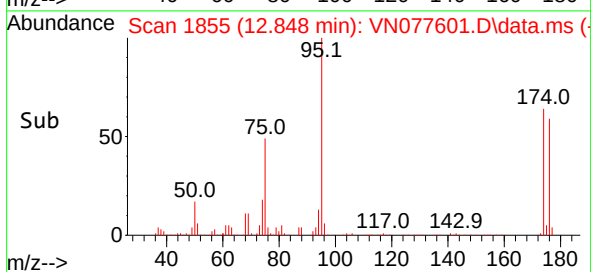
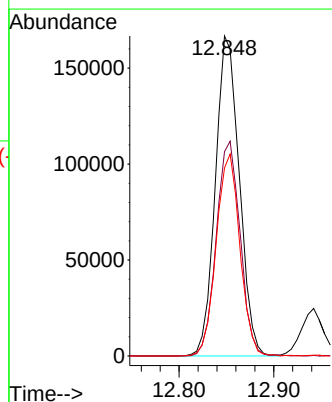
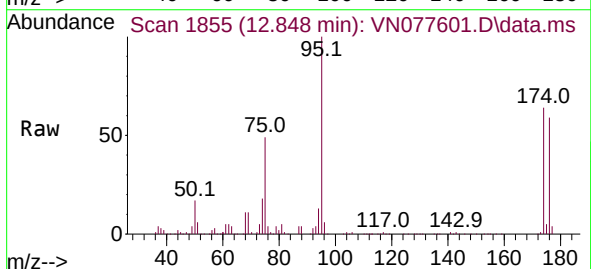
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

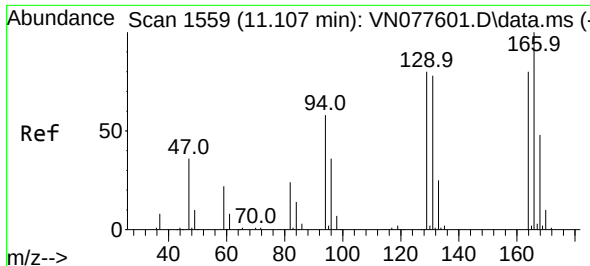
Tgt Ion: 43 Resp: 624217
Ion Ratio Lower Upper
43 100
58 60.2 48.2 72.2
57 21.6 17.3 25.9



#60
4-Bromofluorobenzene
Concen: 30.251 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 95 Resp: 292822
Ion Ratio Lower Upper
95 100
174 66.7 53.4 80.0
176 62.5 50.0 75.0

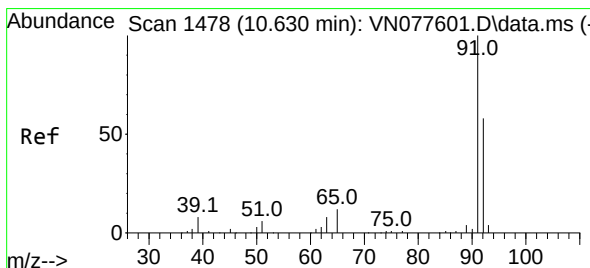
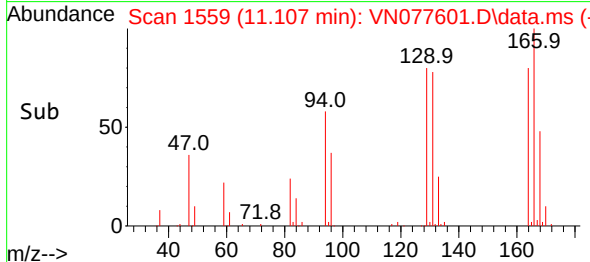
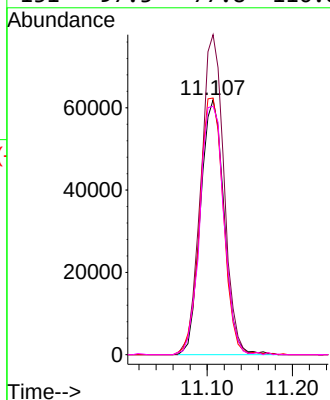
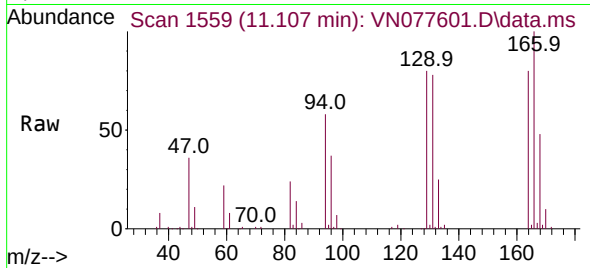




#61
Tetrachloroethene
Concen: 21.052 ug/l
RT: 11.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

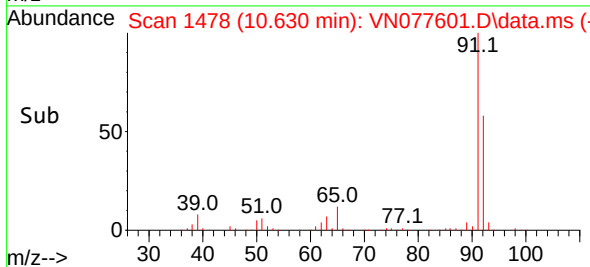
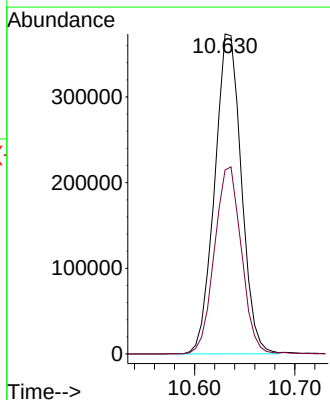
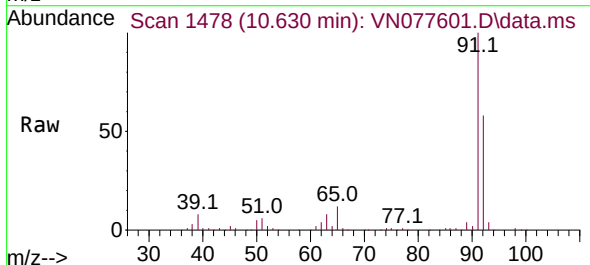
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

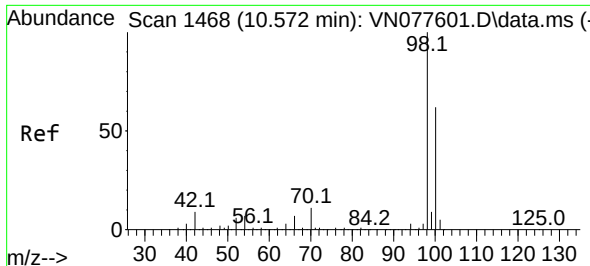
Tgt Ion:164 Resp: 118685
Ion Ratio Lower Upper
164 100
166 125.6 100.5 150.7
129 100.7 80.6 120.8
131 97.3 77.8 116.8



#62
Toluene
Concen: 20.150 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 91 Resp: 691066
Ion Ratio Lower Upper
91 100
92 58.8 47.0 70.6

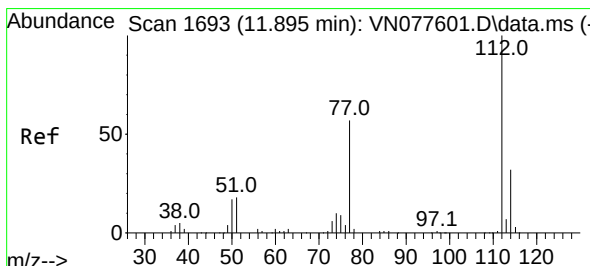
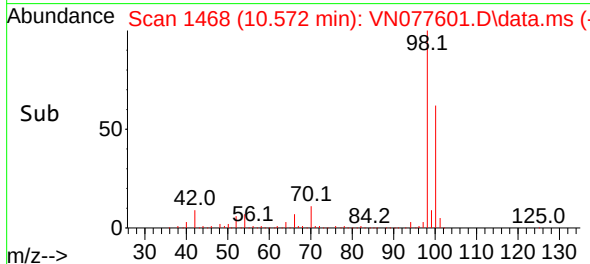
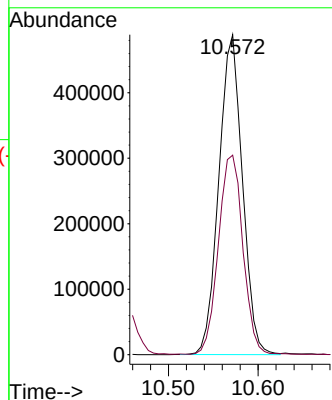
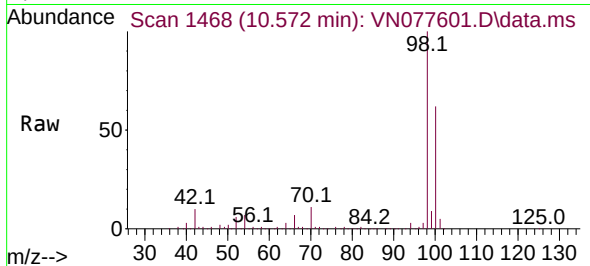




#63
Toluene-d8
Concen: 30.988 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

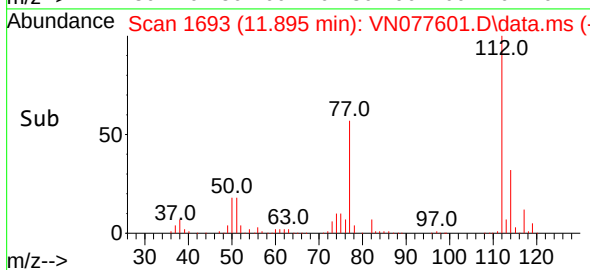
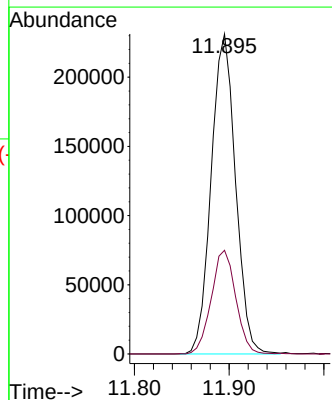
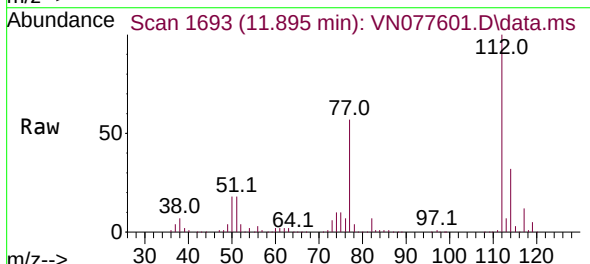
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

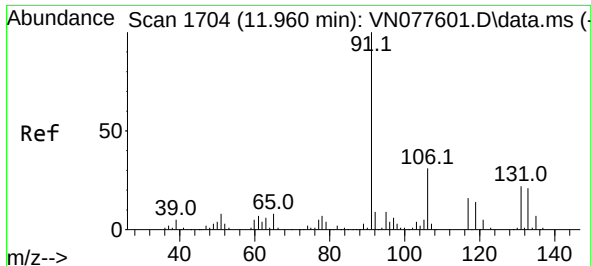
Tgt Ion: 98 Resp: 890935
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#64
Chlorobenzene
Concen: 20.265 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 112 Resp: 412095
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

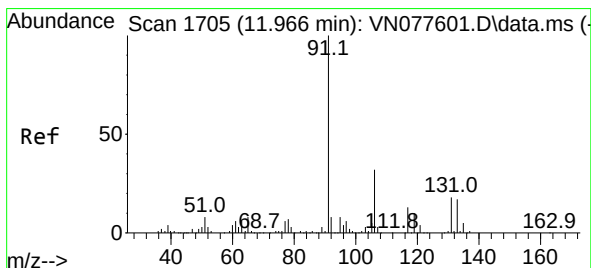
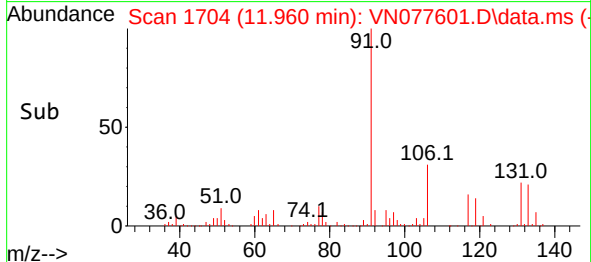
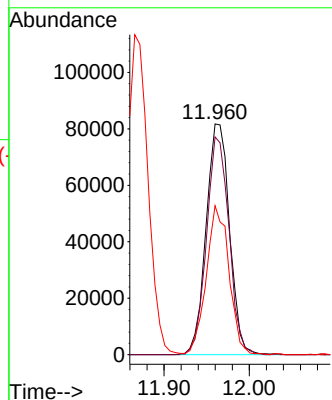
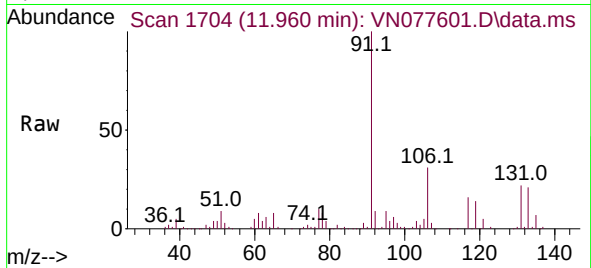




#65
1,1,1,2-Tetrachloroethane
Concen: 21.007 ug/l
RT: 11.960 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

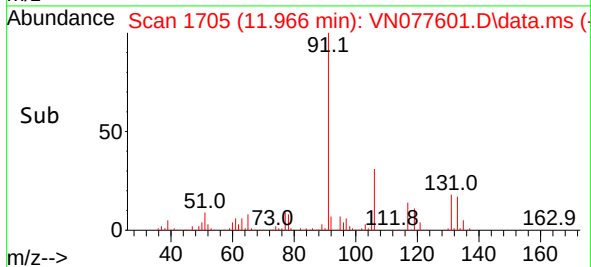
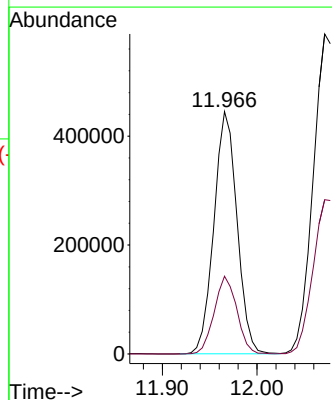
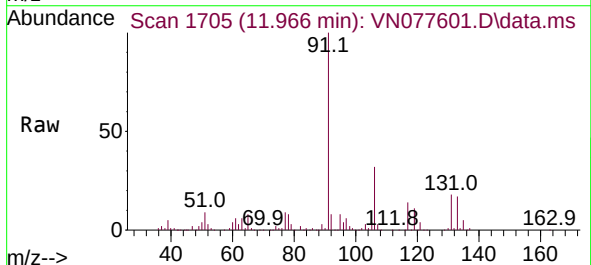
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

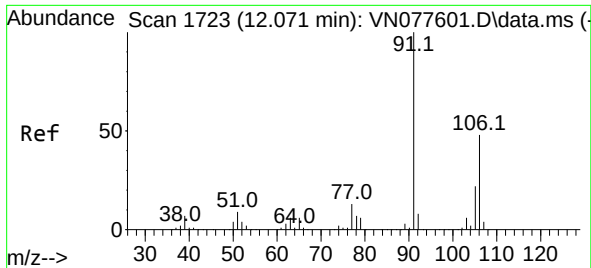
Tgt Ion:131 Resp: 156040
Ion Ratio Lower Upper
131 100
133 90.6 0.0 181.2
119 62.5 0.0 125.0



#66
Ethyl Benzene
Concen: 20.329 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 91 Resp: 754021
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5

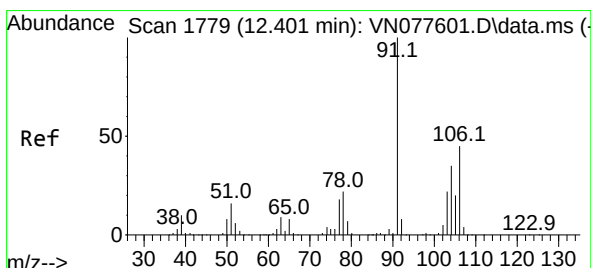
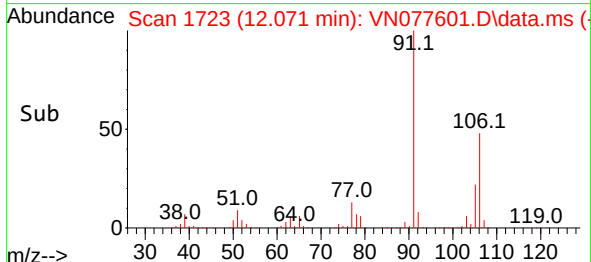
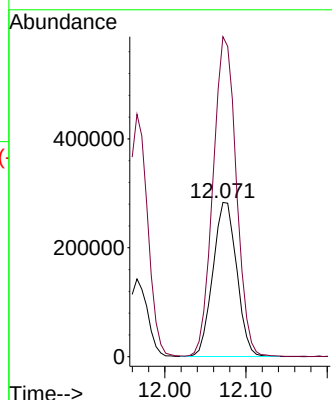
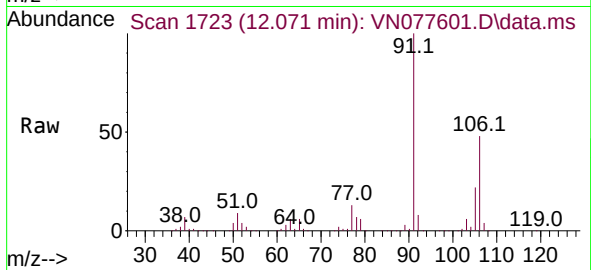




#67
m/p-Xylenes
Concen: 40.856 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

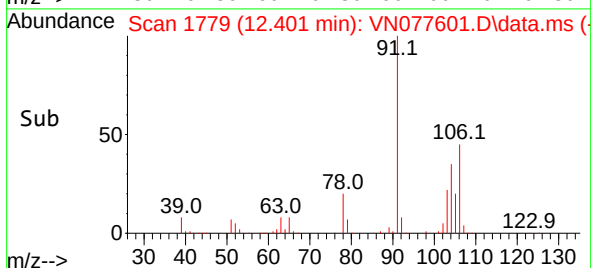
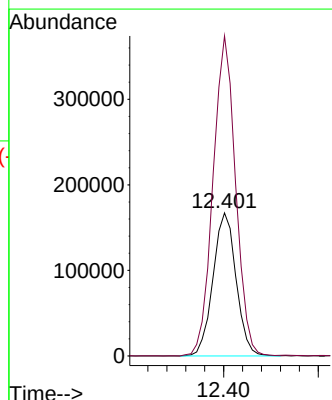
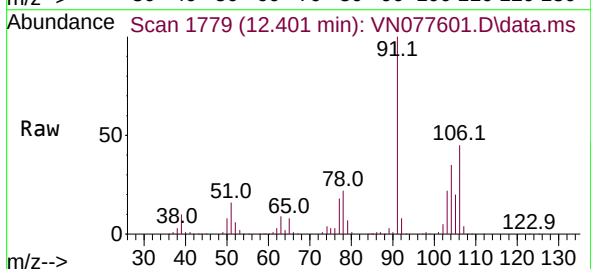
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

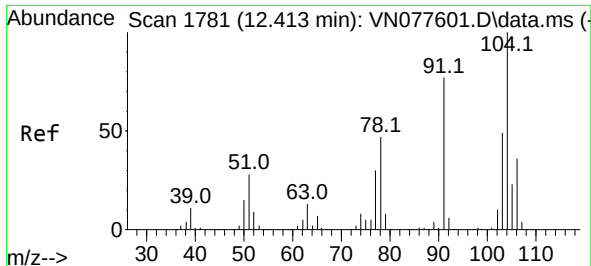
Tgt Ion:106 Resp: 577813
Ion Ratio Lower Upper
106 100
91 203.3 162.6 244.0



#68
o-Xylene
Concen: 20.072 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion:106 Resp: 282505
Ion Ratio Lower Upper
106 100
91 218.9 109.5 328.4

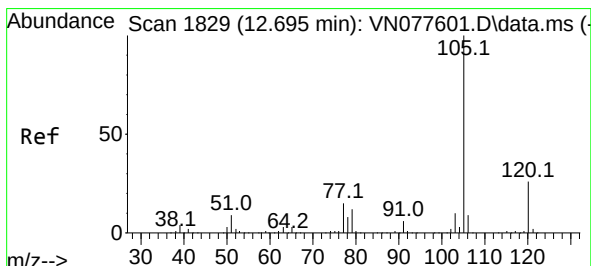
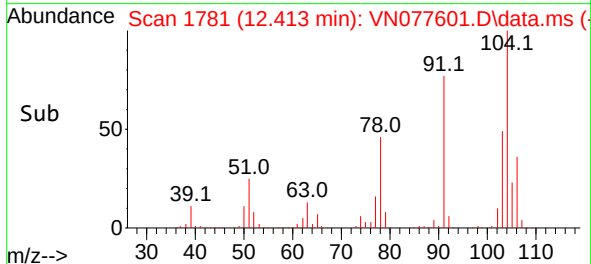
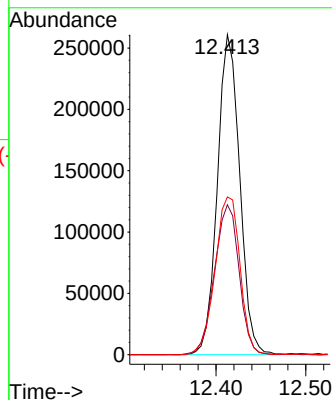
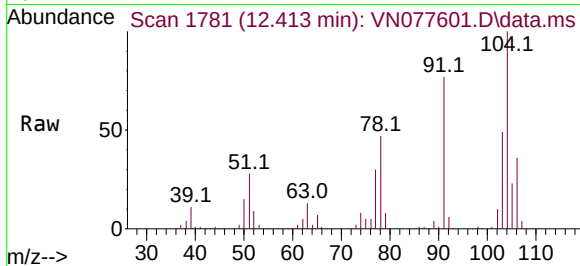




#69
Styrene
Concen: 20.350 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

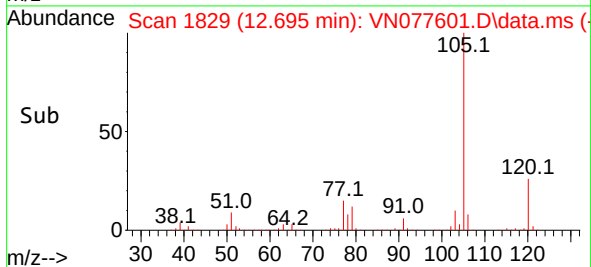
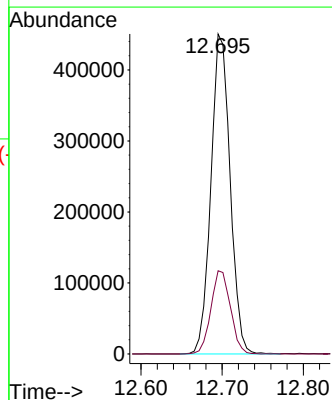
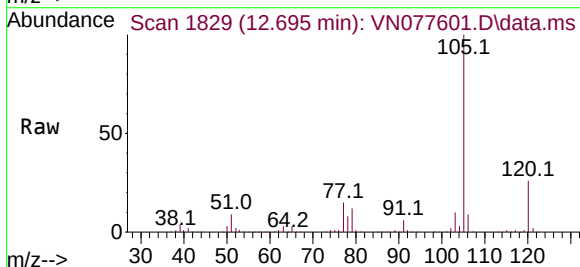
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

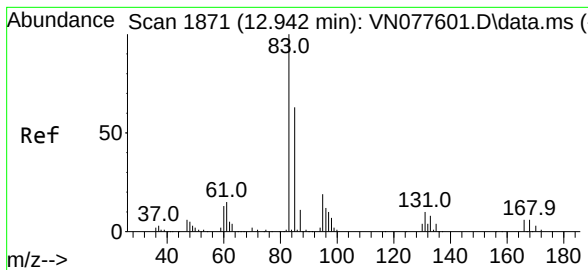
Tgt Ion:104 Resp: 450943
Ion Ratio Lower Upper
104 100
78 51.6 41.3 61.9
103 55.0 44.0 66.0



#70
Isopropylbenzene
Concen: 20.409 ug/l
RT: 12.695 min Scan# 1829
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion:105 Resp: 739541
Ion Ratio Lower Upper
105 100
120 26.4 18.5 34.3

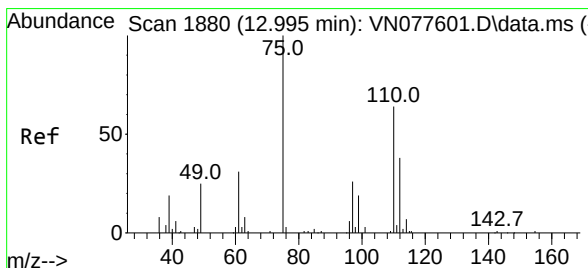
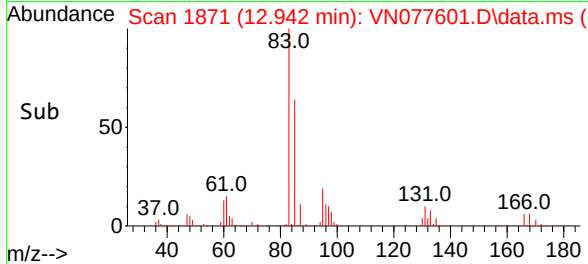
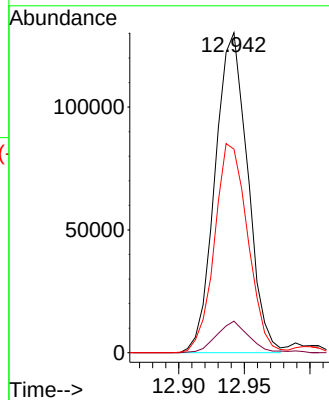
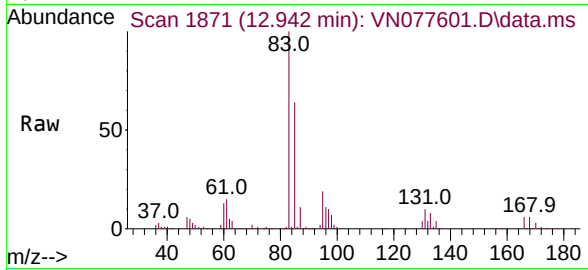




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.977 ug/l
 RT: 12.942 min Scan# 1871
 Delta R.T. 0.000 min
 Lab File: VN077601.D
 Acq: 05 May 2023 19:42

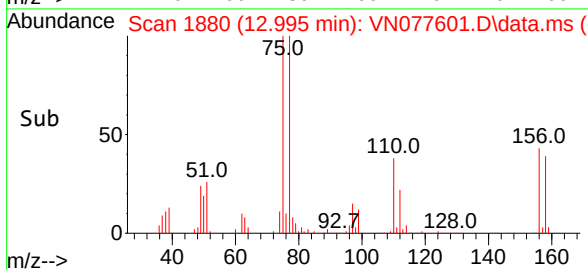
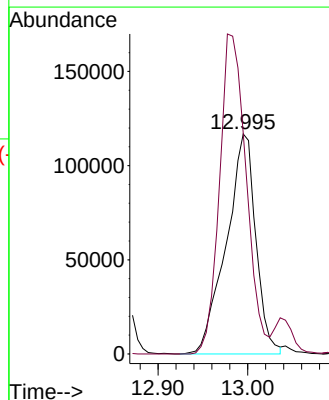
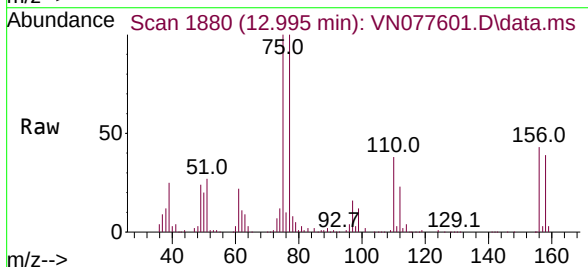
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

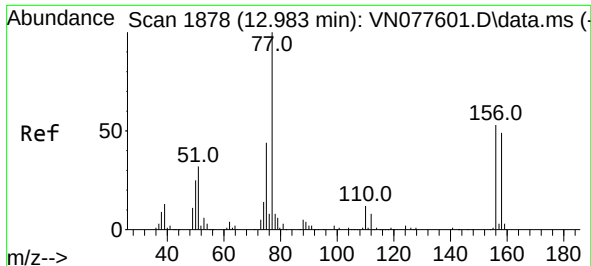
Tgt Ion: 83 Resp: 225099
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 66.8 33.4 100.2



#72
 1,2,3-Trichloropropane
 Concen: 27.508 ug/l
 RT: 12.995 min Scan# 1880
 Delta R.T. -0.000 min
 Lab File: VN077601.D
 Acq: 05 May 2023 19:42

Tgt Ion: 75 Resp: 266887
 Ion Ratio Lower Upper
 75 100
 77 131.8 0.0 354.6

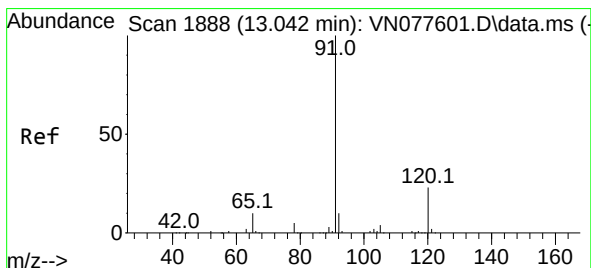
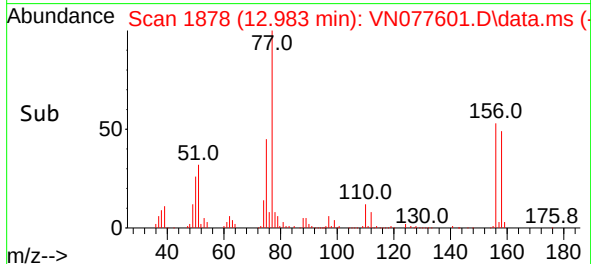
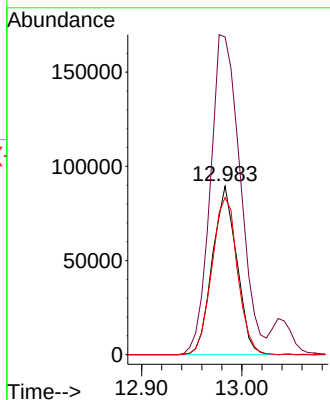
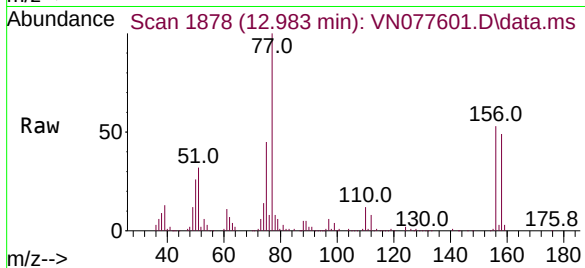




#73
Bromobenzene
Concen: 20.174 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

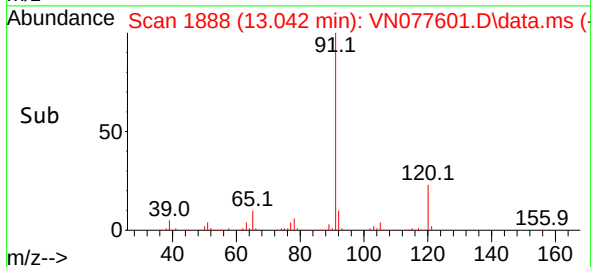
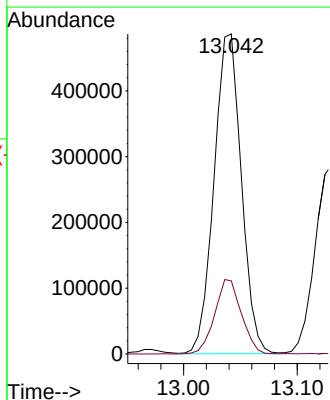
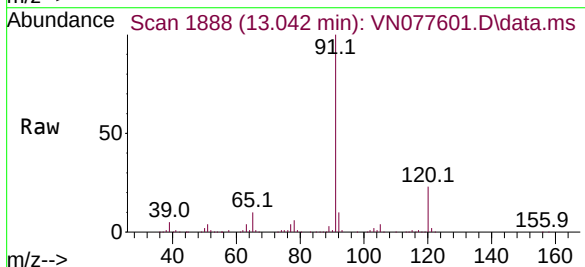
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

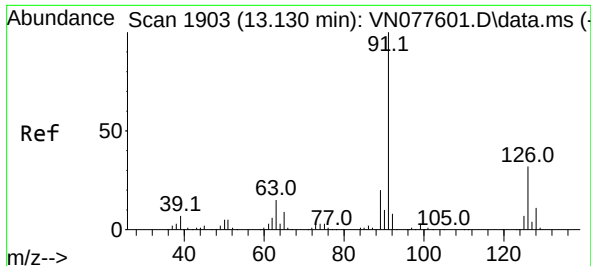
Tgt Ion:156 Resp: 150889
Ion Ratio Lower Upper
156 100
77 233.2 0.0 466.4
158 98.1 0.0 196.2



#74
n-propylbenzene
Concen: 20.207 ug/l
RT: 13.042 min Scan# 1888
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 91 Resp: 812530
Ion Ratio Lower Upper
91 100
120 22.7 0.0 45.6

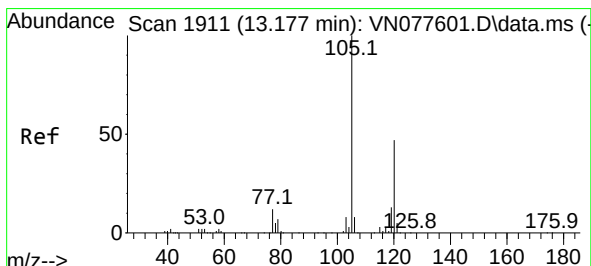
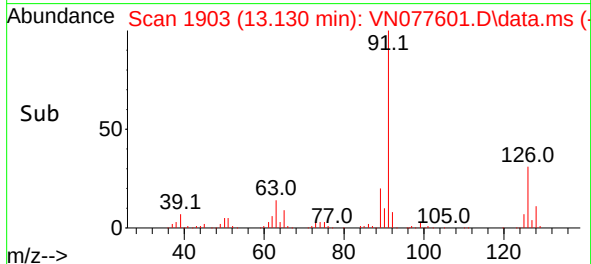
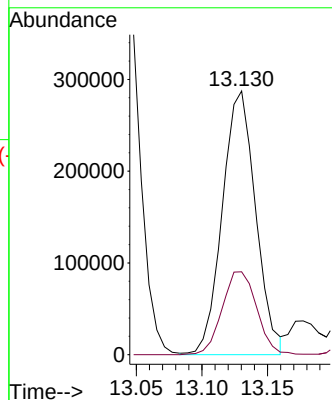
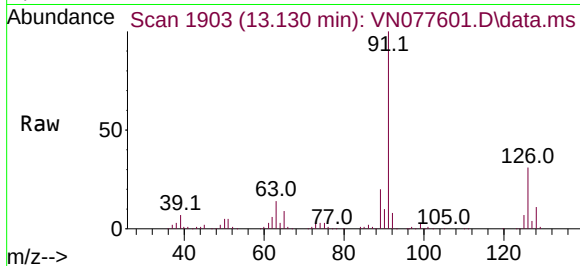




#75
2-Chlorotoluene
Concen: 20.348 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

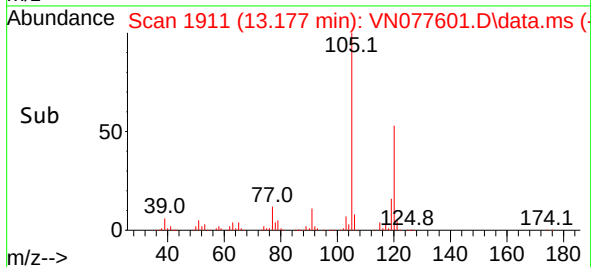
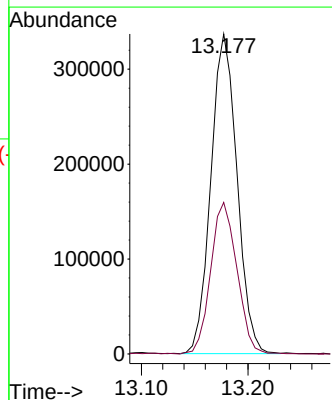
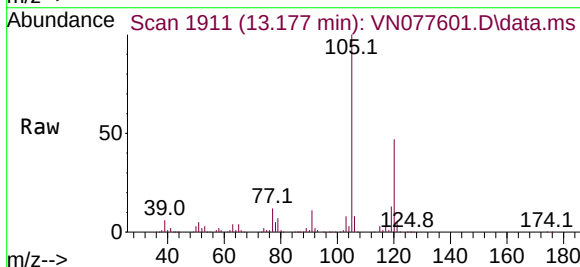
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

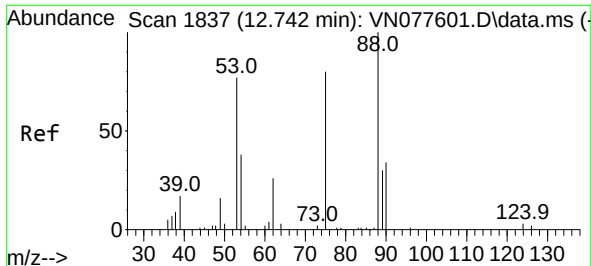
Tgt Ion: 91 Resp: 509336
Ion Ratio Lower Upper
91 100
126 32.5 0.0 65.0



#76
1,3,5-Trimethylbenzene
Concen: 20.452 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 105 Resp: 573791
Ion Ratio Lower Upper
105 100
120 47.6 0.0 95.2





#77

t-1,4-Dichloro-2-butene

Concen: 18.771 ug/l

RT: 12.742 min Scan# 1837

Delta R.T. 0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

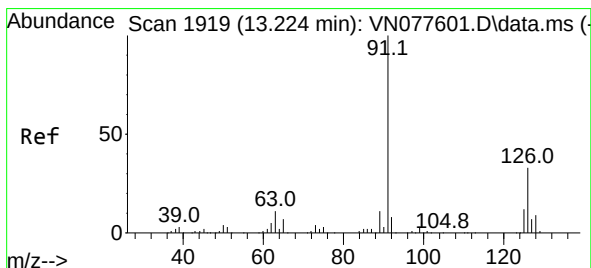
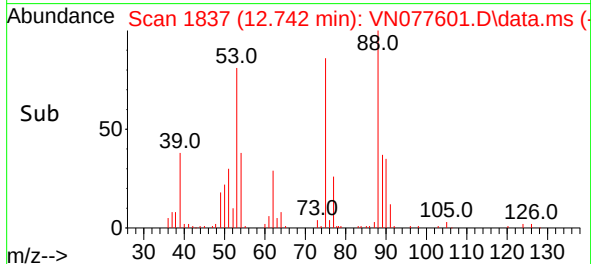
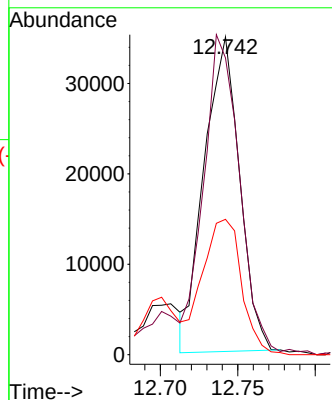
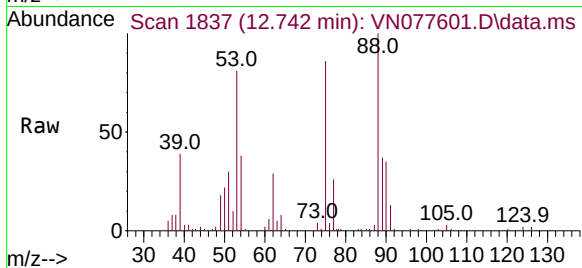
Tgt Ion: 75 Resp: 55193

Ion Ratio Lower Upper

75 100

53 93.8 46.9 140.7

89 42.0 21.0 63.0



#78

4-Chlorotoluene

Concen: 20.201 ug/l

RT: 13.224 min Scan# 1919

Delta R.T. 0.000 min

Lab File: VN077601.D

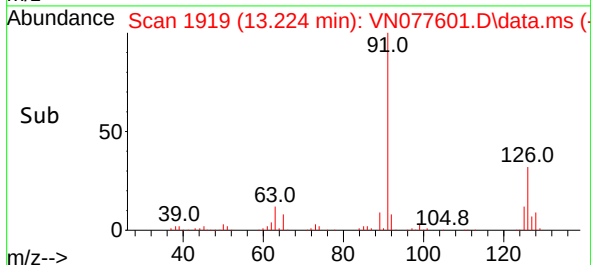
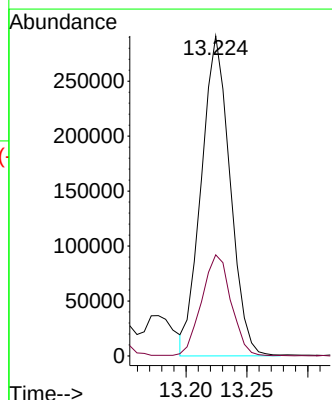
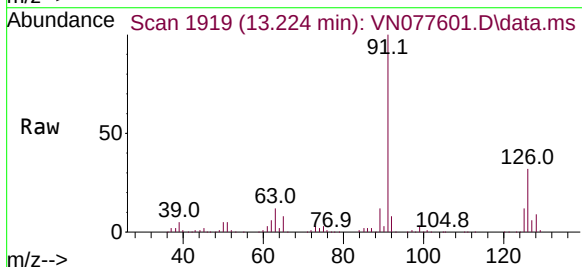
Acq: 05 May 2023 19:42

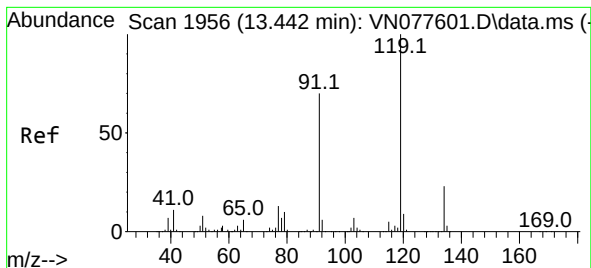
Tgt Ion: 91 Resp: 478202

Ion Ratio Lower Upper

91 100

126 32.3 0.0 64.6





#79

tert-butylbenzene

Concen: 20.148 ug/l

RT: 13.442 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

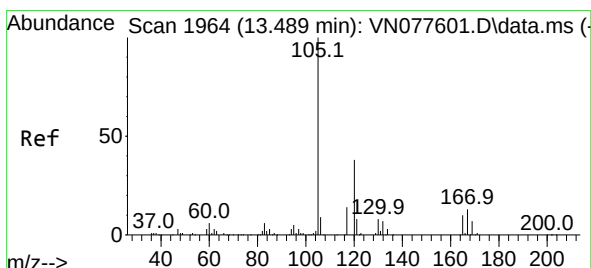
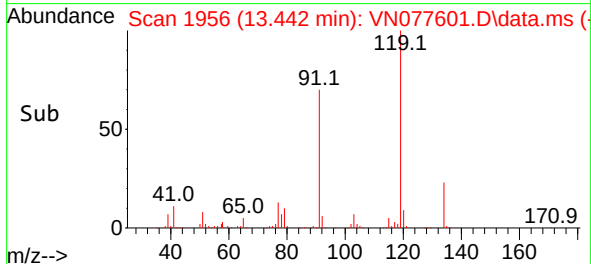
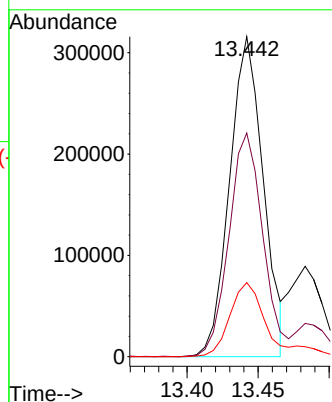
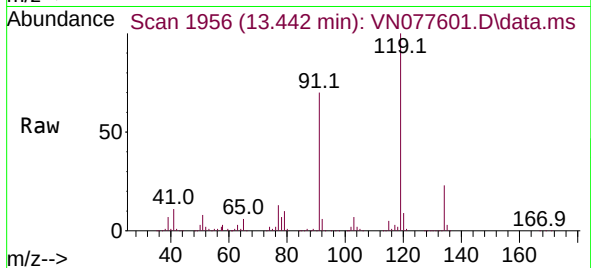
Tgt Ion:119 Resp: 520353

Ion Ratio Lower Upper

119 100

91 70.8 0.0 141.6

134 23.3 0.0 46.6



#80

1,2,4-Trimethylbenzene

Concen: 19.646 ug/l

RT: 13.489 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VN077601.D

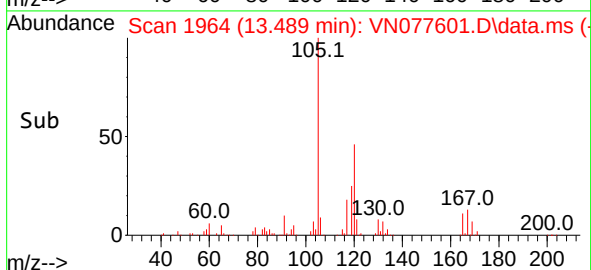
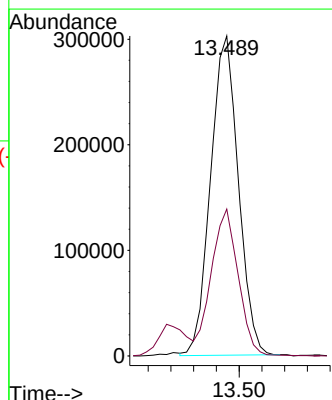
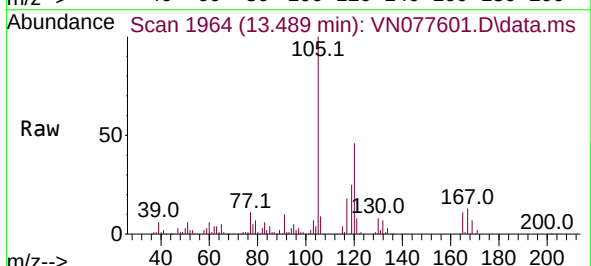
Acq: 05 May 2023 19:42

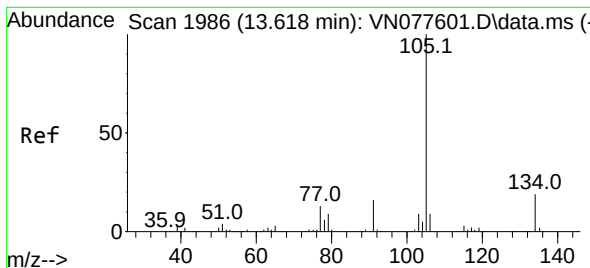
Tgt Ion:105 Resp: 513135

Ion Ratio Lower Upper

105 100

120 44.0 0.0 88.0





#81

sec-Butylbenzene

Concen: 20.254 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

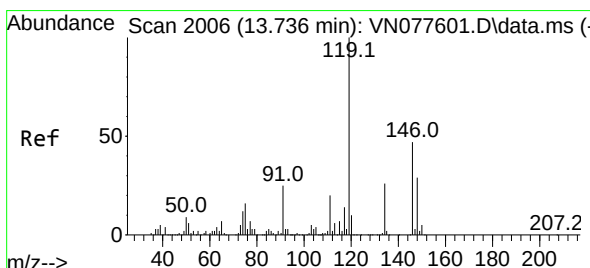
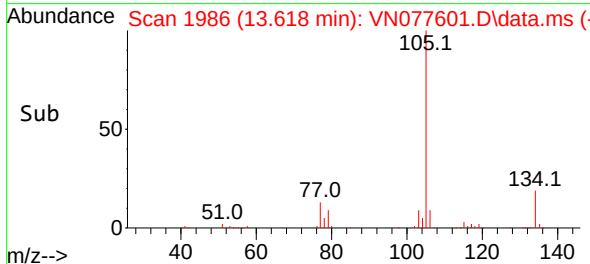
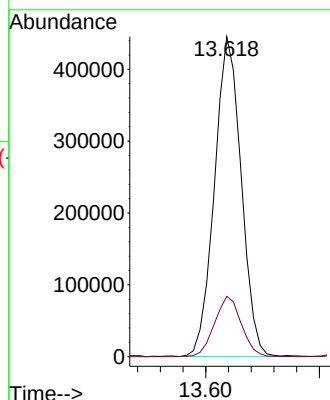
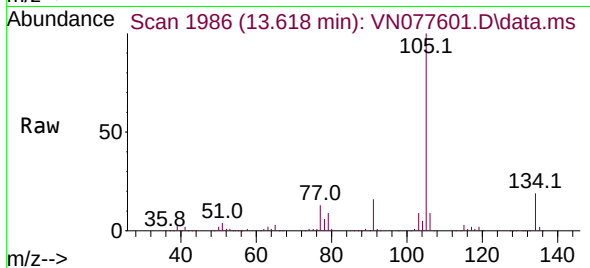
VSTDICCC020

Tgt Ion:105 Resp: 726114

Ion Ratio Lower Upper

105 100

134 18.9 0.0 37.8



#82

p-Isopropyltoluene

Concen: 19.987 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

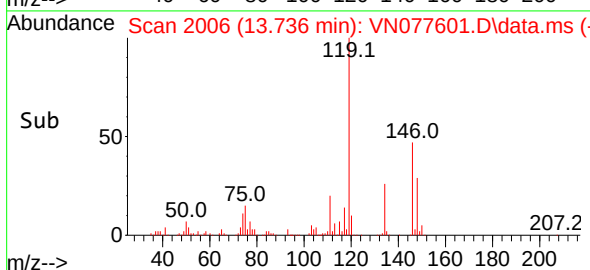
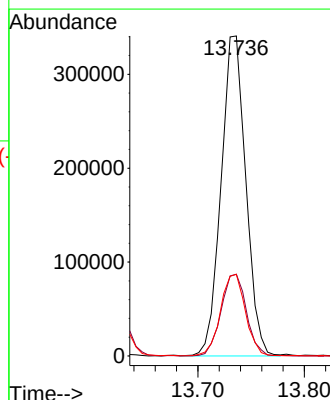
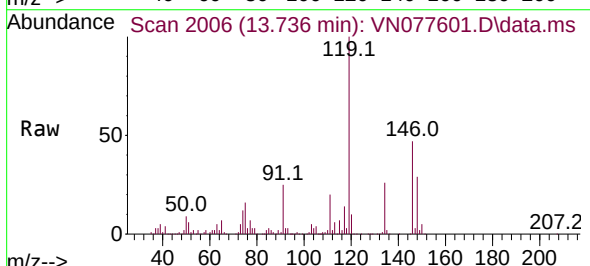
Tgt Ion:119 Resp: 550790

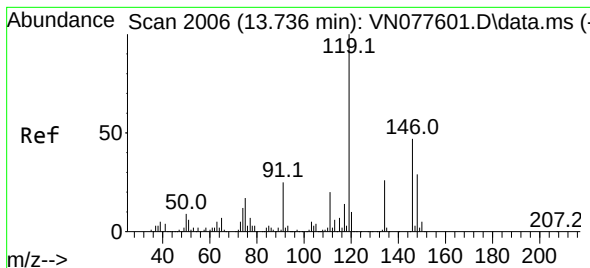
Ion Ratio Lower Upper

119 100

134 26.1 0.0 52.2

91 25.6 0.0 51.2





#83

1,3-Dichlorobenzene

Concen: 20.228 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

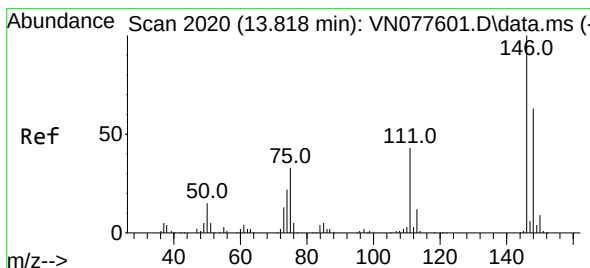
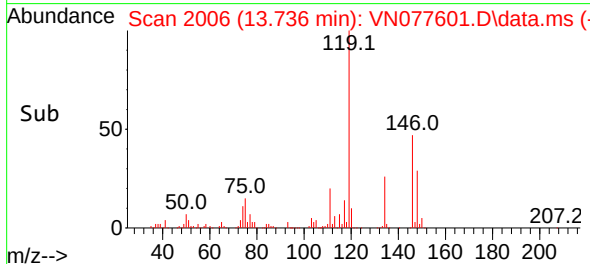
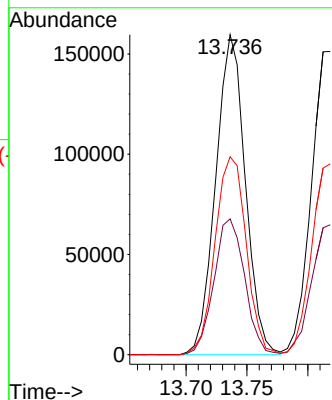
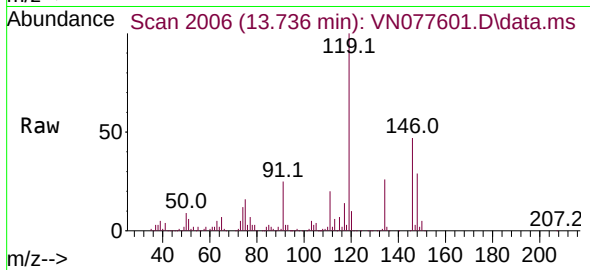
Tgt Ion:146 Resp: 270338

Ion Ratio Lower Upper

146 100

111 44.1 22.1 66.1

148 64.9 32.5 97.4



#84

1,4-Dichlorobenzene

Concen: 20.150 ug/l

RT: 13.818 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

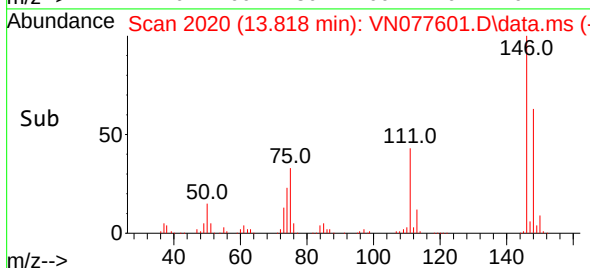
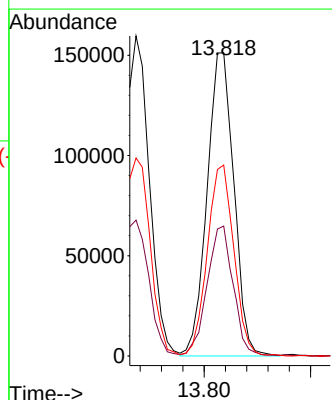
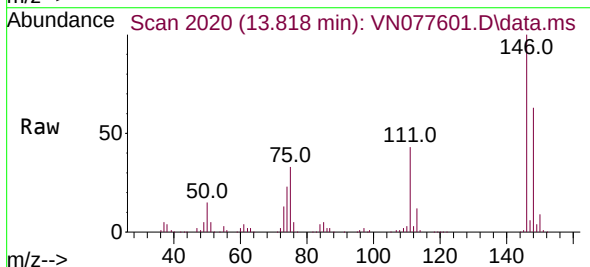
Tgt Ion:146 Resp: 264910

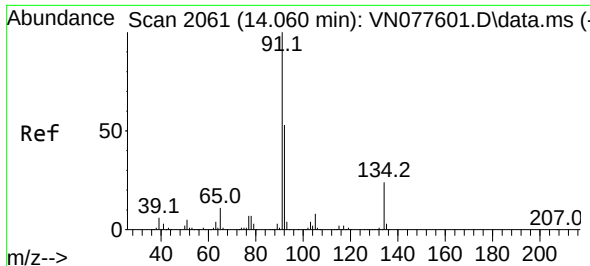
Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.4

148 62.3 31.1 93.5

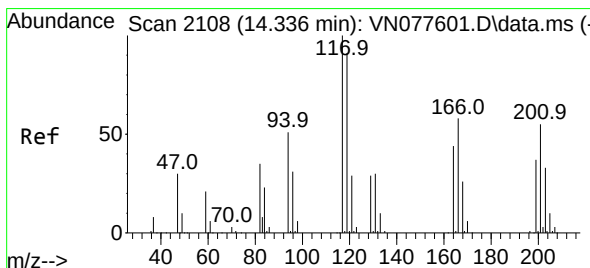
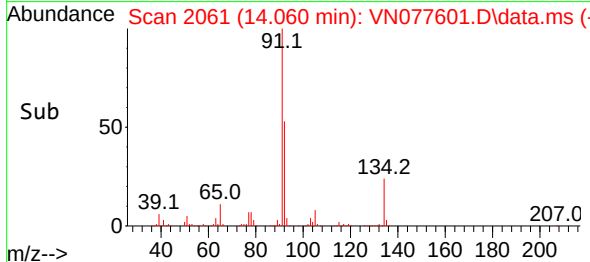
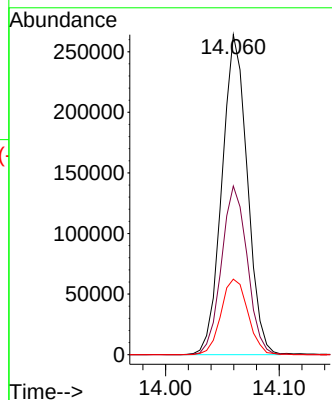
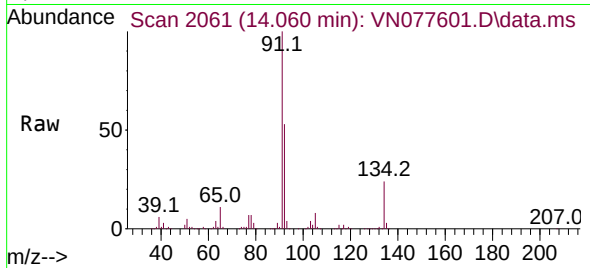




#85
n-Butylbenzene
Concen: 18.897 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

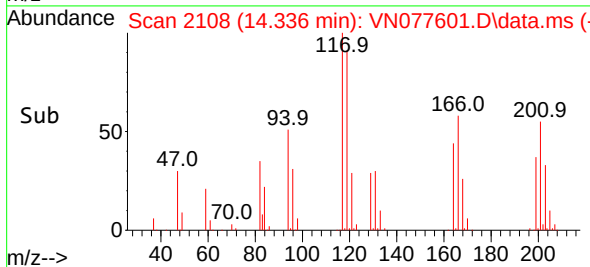
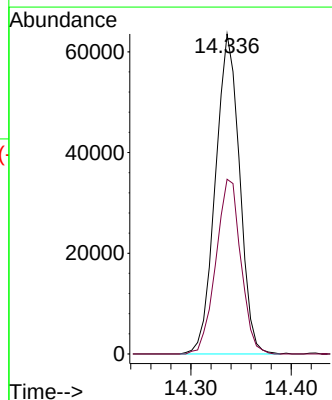
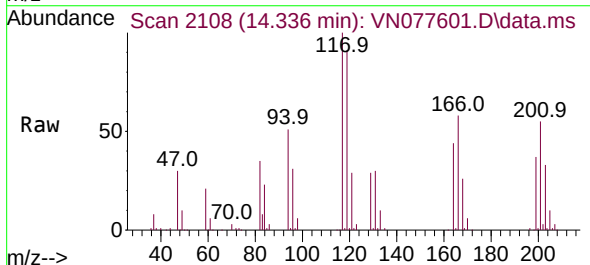
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

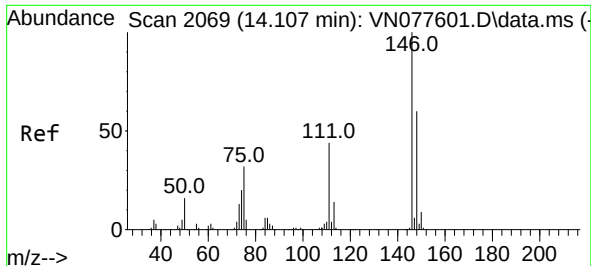
Tgt Ion: 91 Resp: 409302
Ion Ratio Lower Upper
91 100
92 53.5 0.0 107.0
134 25.1 0.0 50.2



#86
Hexachloroethane
Concen: 19.725 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VN077601.D
Acq: 05 May 2023 19:42

Tgt Ion: 117 Resp: 106257
Ion Ratio Lower Upper
117 100
201 56.3 28.1 84.4





#87

1,2-Dichlorobenzene

Concen: 20.313 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

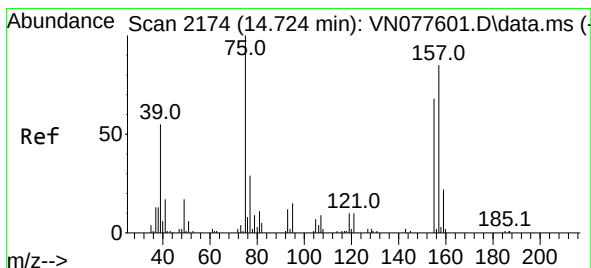
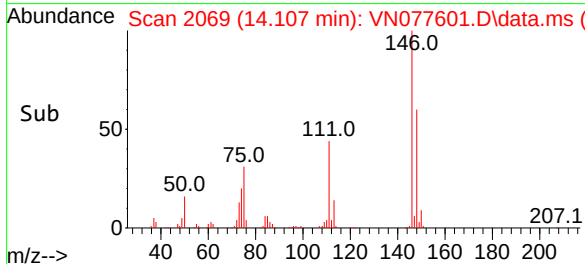
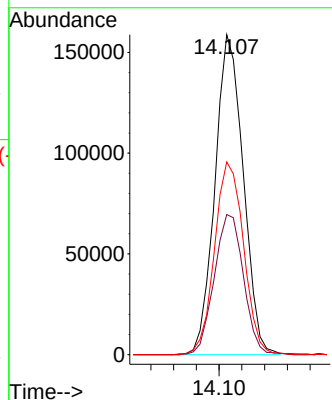
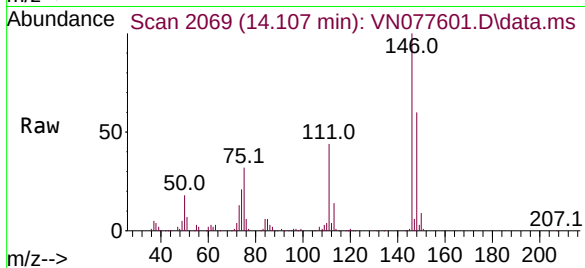
Tgt Ion:146 Resp: 274289

Ion Ratio Lower Upper

146 100

111 45.3 22.7 68.0

148 62.0 31.0 93.0



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.730 ug/l

RT: 14.724 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

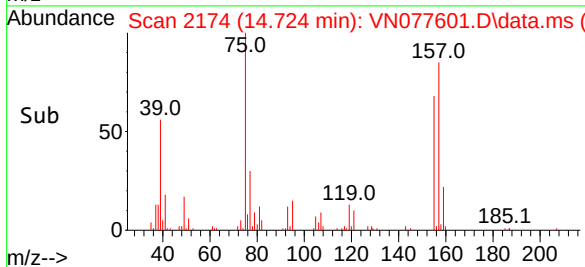
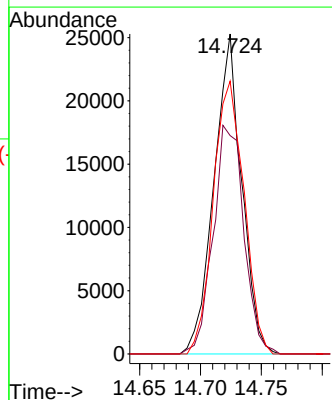
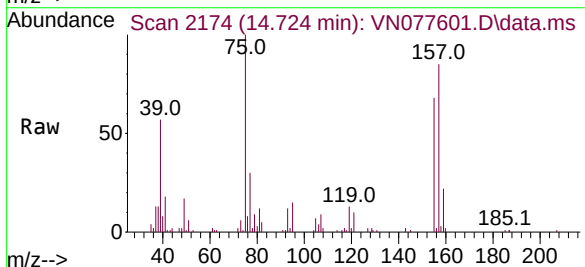
Tgt Ion: 75 Resp: 40019

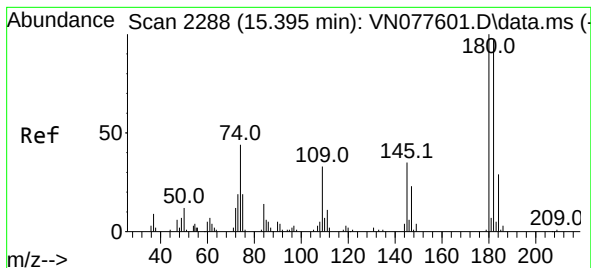
Ion Ratio Lower Upper

75 100

155 78.9 63.1 94.7

157 94.4 75.5 113.3





#89

1,2,4-Trichlorobenzene

Concen: 17.625 ug/l

RT: 15.395 min Scan# 2288

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

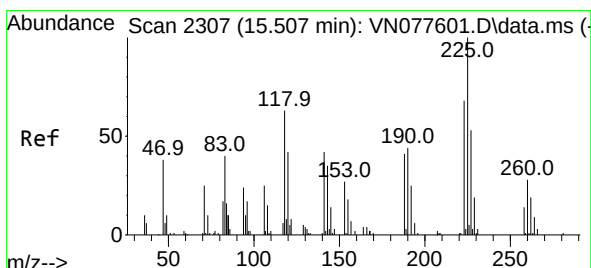
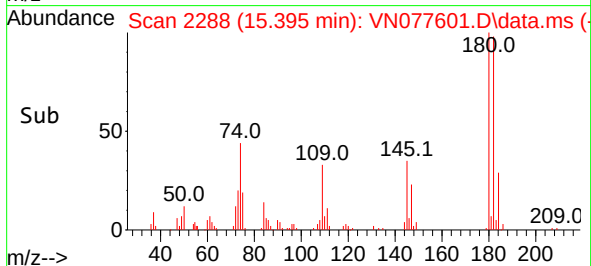
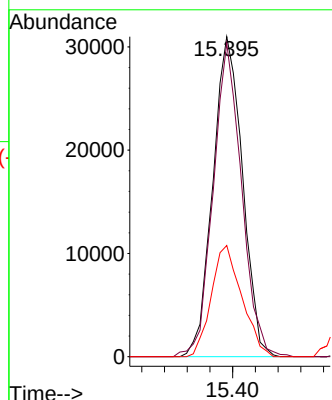
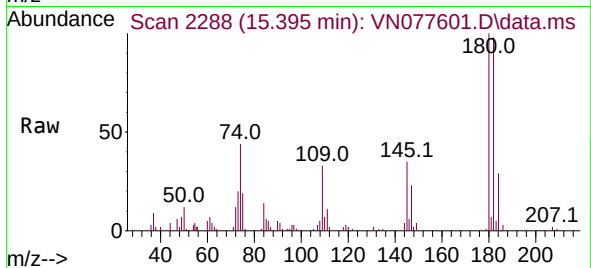
Tgt Ion:180 Resp: 56167

Ion Ratio Lower Upper

180 100

182 93.9 75.1 112.7

145 35.8 28.6 43.0



#90

Hexachlorobutadiene

Concen: 19.845 ug/l

RT: 15.507 min Scan# 2307

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

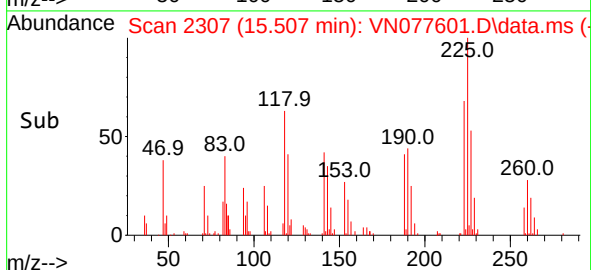
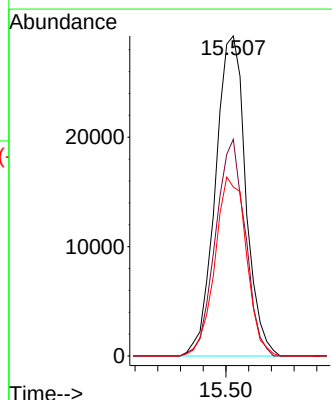
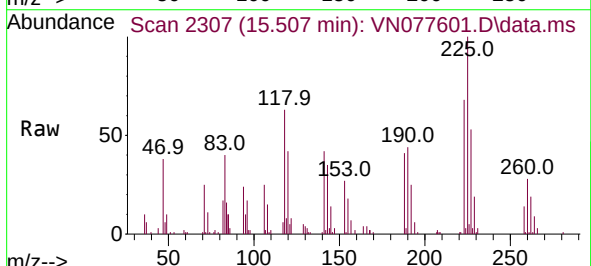
Tgt Ion:225 Resp: 54227

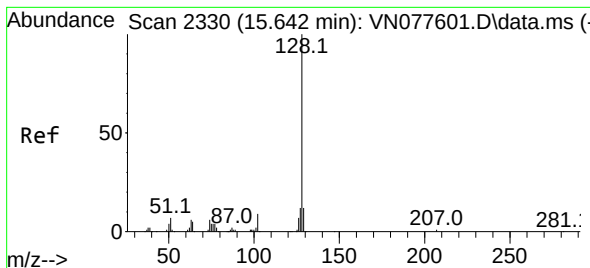
Ion Ratio Lower Upper

225 100

223 66.1 0.0 132.2

227 58.1 0.0 116.2





#91

Naphthalene

Concen: 17.419 ug/l

RT: 15.642 min Scan# 2330

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

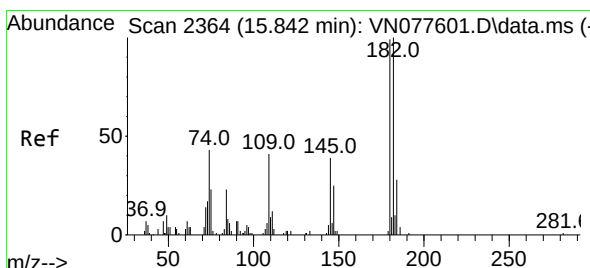
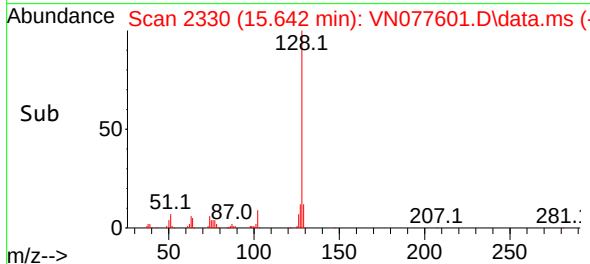
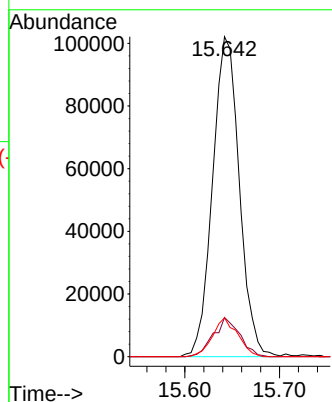
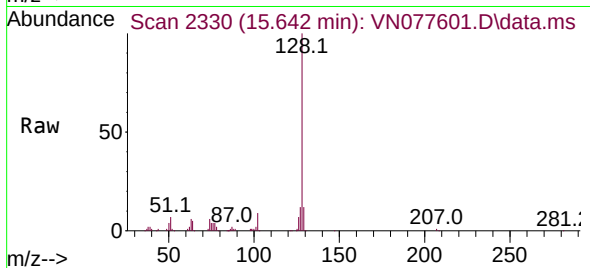
Tgt Ion:128 Resp: 200320

Ion Ratio Lower Upper

128 100

127 12.0 9.6 14.4

129 11.4 9.1 13.7



#92

1,2,3-Trichlorobenzene

Concen: 17.891 ug/l

RT: 15.842 min Scan# 2364

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Tgt Ion:180 Resp: 52835

Ion Ratio Lower Upper

180 100

182 96.7 0.0 193.4

145 39.3 0.0 78.6

