

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042823\
 Data File : VN077510.D
 Acq On : 28 Apr 2023 19:30
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2023
 Supervised By : Semsettin Yesilyurt 04/29/2023

Quant Time: Apr 28 22:46:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	65671	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	484978	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	516728	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	173017	29.552	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.500%		
60) 4-Bromofluorobenzene	12.848	95	276268	30.517	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.733%		
63) Toluene-d8	10.566	98	547637	30.076	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.267%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	145832	17.837	ug/l	99
3) Chloromethane	2.372	50	110367	18.273	ug/l	98
4) Vinyl Chloride	2.525	62	157926	18.800	ug/l	98
5) Bromomethane	2.966	94	129755	18.298	ug/l	98
6) Chloroethane	3.131	64	110004	18.185	ug/l	90
7) Trichlorofluoromethane	3.501	101	240315	19.398	ug/l	96
8) Diethyl Ether	3.972	74	82058	18.929	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.378	101	134167	19.162	ug/l	98
10) 1,1-Dichloroethene	4.348	96	125430	18.674	ug/l	96
11) Methyl Iodide	4.601	142	149968	18.199	ug/l	96
12) Methyl Acetate	5.042	43	182559	18.845	ug/l	96
13) Acrolein	4.190	56	118251	101.810	ug/l	100
14) Acrylonitrile	5.731	53	276509	93.038	ug/l	99
15) Acetone	4.443	58	81331	85.711	ug/l	92
16) Carbon Disulfide	4.719	76	299334	17.771	ug/l	97
17) Allyl chloride	5.031	41	126711	17.204	ug/l	96
18) Methylene Chloride	5.284	84	148544	18.746	ug/l	97
19) trans-1,2-Dichloroethene	5.795	96	138796	18.701	ug/l	95
20) Diisopropyl ether	6.678	45	330185	19.258	ug/l	98
21) 1,1-Dichloroethane	6.578	63	237649	18.967	ug/l	98
22) cis-1,2-Dichloroethene	7.495	96	164232	18.476	ug/l	98
23) tert-Butyl Alcohol	5.525	59	116630	90.963	ug/l #	100
24) Methyl tert-Butyl Ether	5.807	73	441778	18.962	ug/l	98
25) Chloroform	7.972	83	277328	19.258	ug/l	93
26) Cyclohexane	8.266	56	192831	18.866	ug/l #	97
29) 1,1-Dichloropropene	8.378	75	192803	18.860	ug/l	100
30) 2-Butanone	7.489	43	335036	89.391	ug/l	99
31) 2,2-Dichloropropane	7.501	77	221705	18.535	ug/l	99
32) 1,1,1-Trichloroethane	8.178	97	253369	19.202	ug/l	97
33) Carbon Tetrachloride	8.366	117	212742	18.576	ug/l	92
34) Benzene	8.613	78	590597	18.786	ug/l	98
35) Methacrylonitrile	7.789	41	76788	20.066	ug/l	92
36) 1,2-Dichloroethane	8.678	62	211770	19.724	ug/l	98
37) Trichloroethene	9.360	130	150866	18.987	ug/l	87
38) Methylcyclohexane	9.607	83	246991	18.390	ug/l	98
39) 1,2-Dichloropropane	9.625	63	140189	19.253	ug/l	90
40) Dibromomethane	9.713	93	108514	18.897	ug/l	99
41) Bromodichloromethane	9.889	83	217223	19.153	ug/l	99
42) Vinyl Acetate	6.613	43	1000673	84.775	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.572	43	140623	19.384	ug/l #	78
44) Isopropyl Acetate	8.695	43	248208	19.314	ug/l	96
45) 1,4-Dioxane	9.701	88	57052	366.076	ug/l	94
46) Methyl methacrylate	9.683	41	109372	18.701	ug/l	97
47) n-amyl Acetate	12.495	43	193393	18.773	ug/l	97
48) t-1,3-Dichloropropene	10.836	75	215638	18.675	ug/l	96
49) cis-1,3-Dichloropropene	10.319	75	237598	19.062	ug/l	96
50) 1,1,2-Trichloroethane	11.019	97	155529	19.079	ug/l	97
51) Ethyl methacrylate	10.877	69	222811	19.743	ug/l	99
52) 1,3-Dichloropropane	11.166	76	256486	19.389	ug/l	100
53) Dibromochloromethane	11.360	129	163419	19.472	ug/l	100
54) 1,2-Dibromoethane	11.471	107	161967	19.416	ug/l	99
55) 2-Chloroethyl vinyl ether	10.160	63	335016	90.463	ug/l	99
56) Bromoform	12.583	173	98166	18.753	ug/l #	97
58) 4-Methyl-2-Pentanone	10.448	43	727397	97.747	ug/l	99
59) 2-Hexanone	11.195	43	526371	96.007	ug/l	99
61) Tetrachloroethene	11.107	164	116044	19.227	ug/l	91
62) Toluene	10.630	91	678742	19.531	ug/l	100
64) Chlorobenzene	11.895	112	416175	19.603	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.960	131	152909	20.154	ug/l	97
66) Ethyl Benzene	11.966	91	740914	19.525	ug/l	100
67) m/p-Xylenes	12.071	106	582144	39.397	ug/l	99
68) o-Xylene	12.401	106	288685	19.668	ug/l	98
69) Styrene	12.413	104	444159	19.461	ug/l	99
70) Isopropylbenzene	12.701	105	746769	20.044	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.936	83	225857	19.902	ug/l	98
72) 1,2,3-Trichloropropane	12.995	75	208192m	21.566	ug/l	
73) Bromobenzene	12.983	156	153849	19.203	ug/l	99
74) n-propylbenzene	13.036	91	804925	19.415	ug/l	100
75) 2-Chlorotoluene	13.130	91	503762	19.700	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	570276	19.858	ug/l	99
77) t-1,4-Dichloro-2-butene	12.736	75	59282	18.592	ug/l	93
78) 4-Chlorotoluene	13.224	91	468059	19.334	ug/l	99
79) tert-butylbenzene	13.442	119	531656	20.012	ug/l	98
80) 1,2,4-Trimethylbenzene	13.489	105	517426	19.590	ug/l	100
81) sec-Butylbenzene	13.618	105	724673	19.567	ug/l	99
82) p-Isopropyltoluene	13.736	119	560137	19.300	ug/l	99
83) 1,3-Dichlorobenzene	13.736	146	271449	19.367	ug/l	99
84) 1,4-Dichlorobenzene	13.813	146	261194	18.860	ug/l	99
85) n-Butylbenzene	14.060	91	409655	18.266	ug/l	99
86) Hexachloroethane	14.336	117	116430	19.804	ug/l	97
87) 1,2-Dichlorobenzene	14.107	146	270628	18.979	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.724	75	38821	18.506	ug/l	98
89) 1,2,4-Trichlorobenzene	15.395	180	58292	15.575	ug/l	97
90) Hexachlorobutadiene	15.501	225	56160	18.450	ug/l	98
91) Naphthalene	15.642	128	214410	15.693	ug/l	99
92) 1,2,3-Trichlorobenzene	15.848	180	56251	16.064	ug/l	94

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

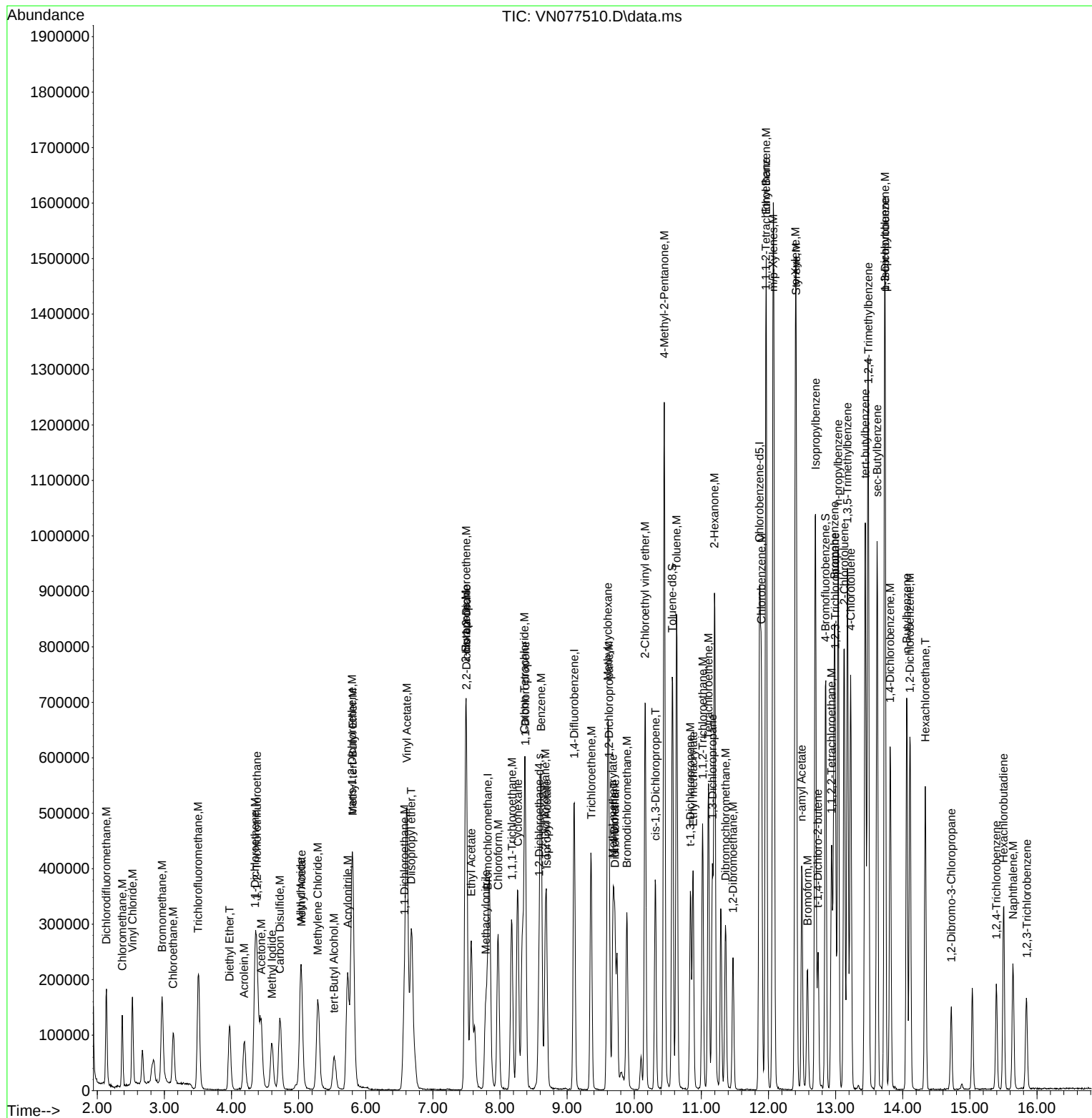
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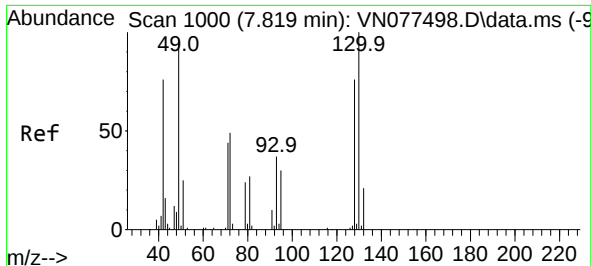
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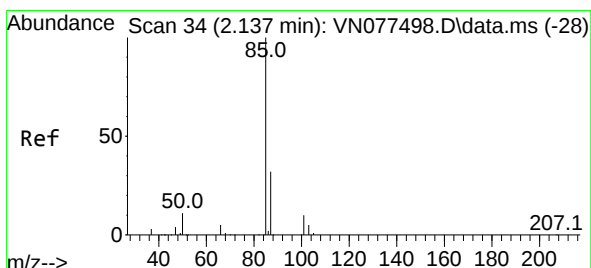
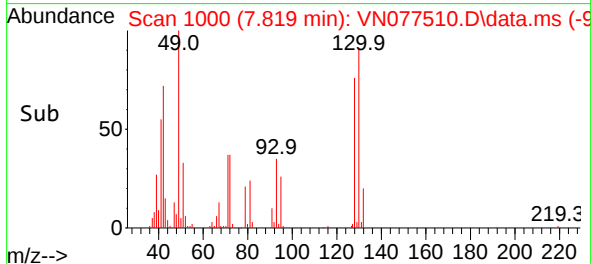
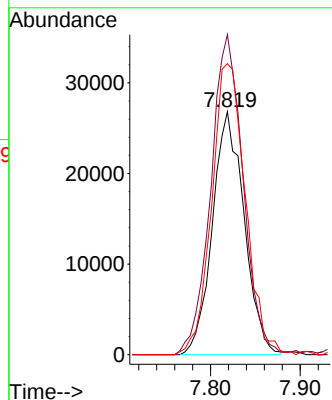
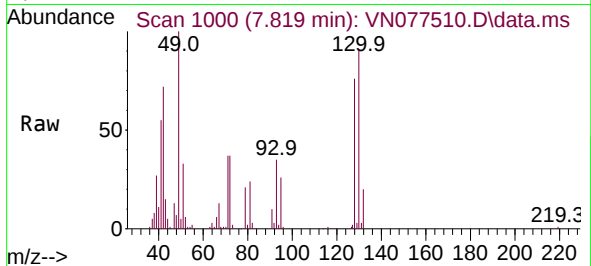
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 6567
Ion Ratio Lower Upper
128 100
49 134.6 0.0 338.5
130 125.7 0.0 326.3

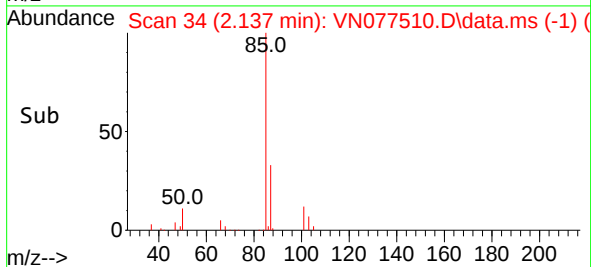
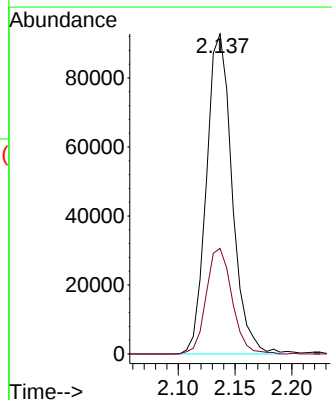
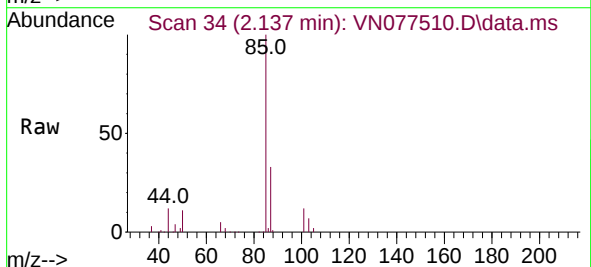
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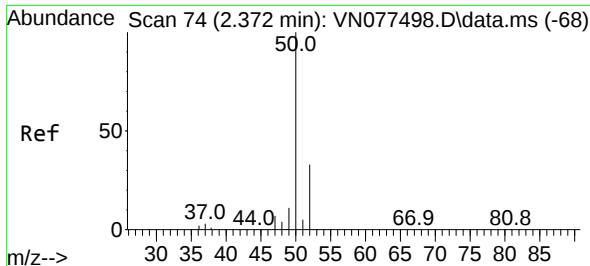
Reviewed By :John Carlone 04/29/2023
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#2
Dichlorodifluoromethane
Concen: 17.837 ug/l
RT: 2.137 min Scan# 34
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Tgt Ion: 85 Resp: 145832
Ion Ratio Lower Upper
85 100
87 33.0 16.1 48.3





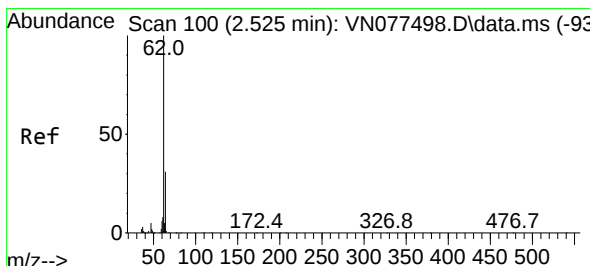
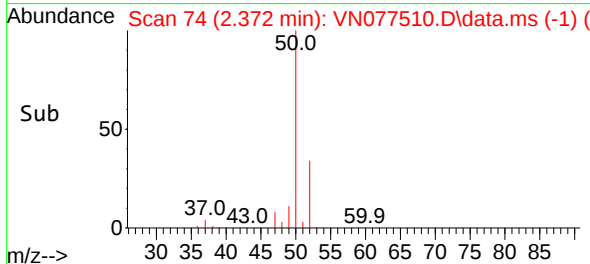
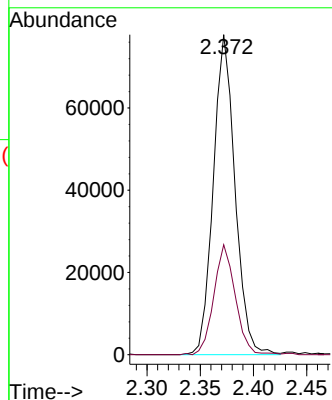
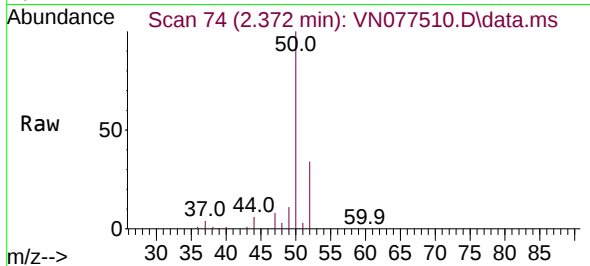
#3
Chloromethane
Concen: 18.273 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

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Tgt Ion: 50 Resp: 11036
Ion Ratio Lower Upper
50 100
52 34.4 26.6 39.8

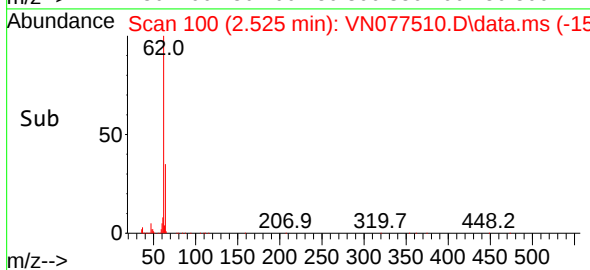
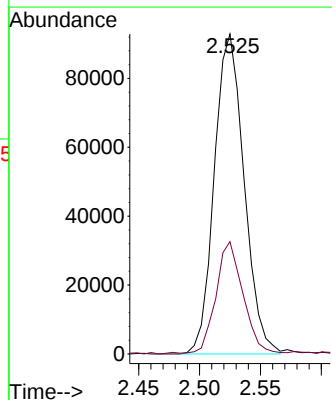
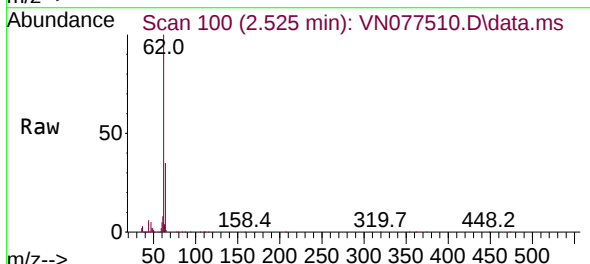
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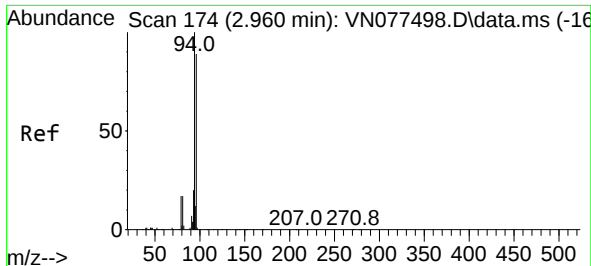
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#4
Vinyl Chloride
Concen: 18.800 ug/l
RT: 2.525 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

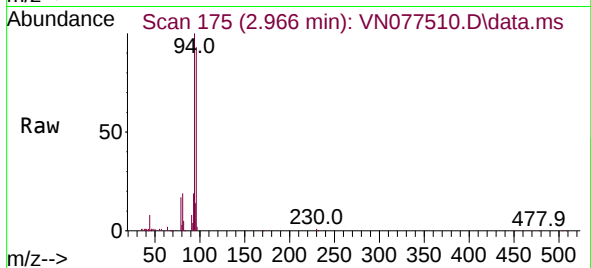
Tgt Ion: 62 Resp: 157926
Ion Ratio Lower Upper
62 100
64 34.8 27.1 40.7





#5
Bromomethane
Concen: 18.298 ug/l
RT: 2.966 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

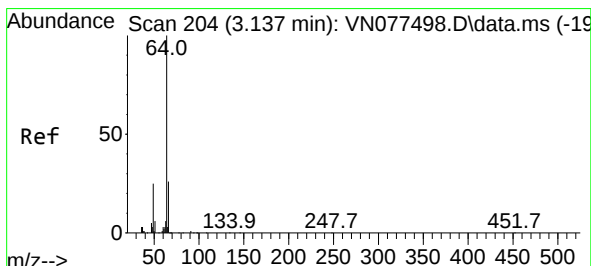
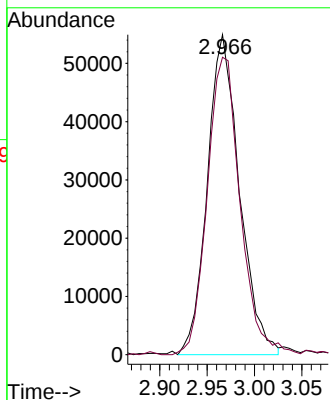
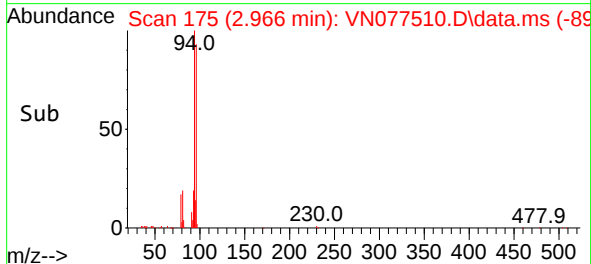
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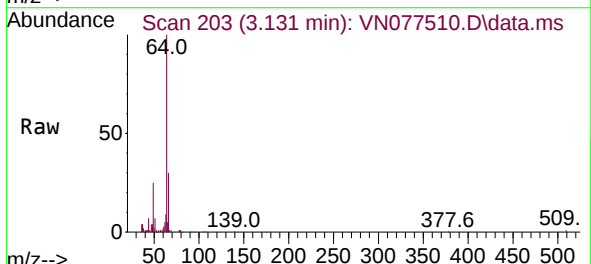
Tgt Ion: 94 Resp: 12975
Ion Ratio Lower Upper
94 100
96 92.1 72.6 108.8

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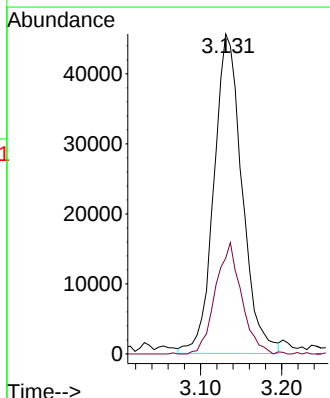
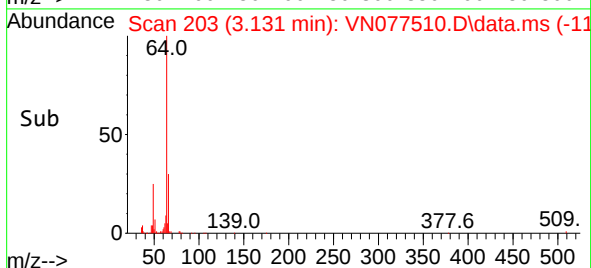
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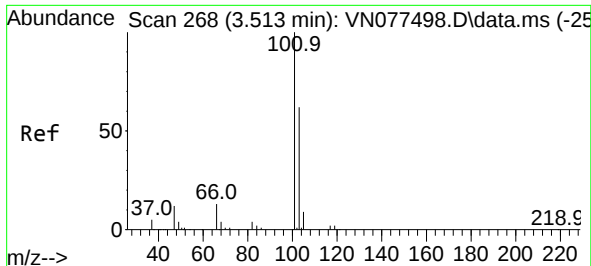


#6
Chloroethane
Concen: 18.185 ug/l
RT: 3.131 min Scan# 203
Delta R.T. -0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30



Tgt Ion: 64 Resp: 110004
Ion Ratio Lower Upper
64 100
66 30.5 29.1 43.7





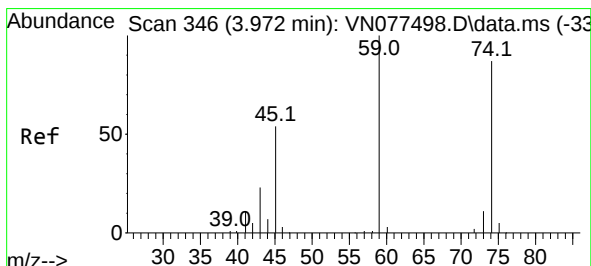
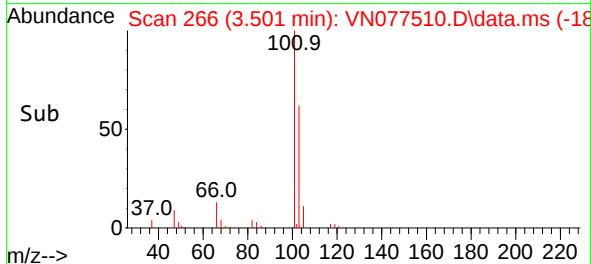
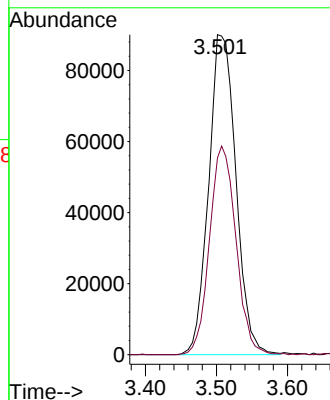
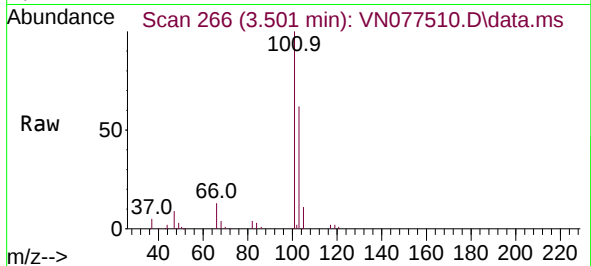
#7
Trichlorofluoromethane
Concen: 19.398 ug/l
RT: 3.501 min Scan# 20
Delta R.T. -0.012 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :
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ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 24031
Ion Ratio Lower Upper
101 100
103 61.3 51.8 77.8

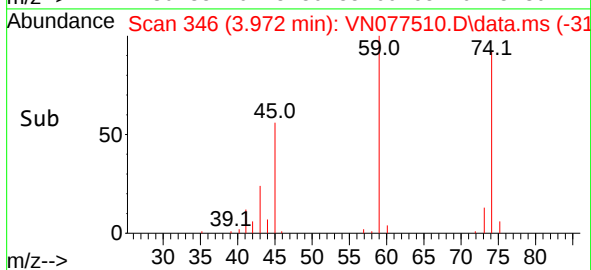
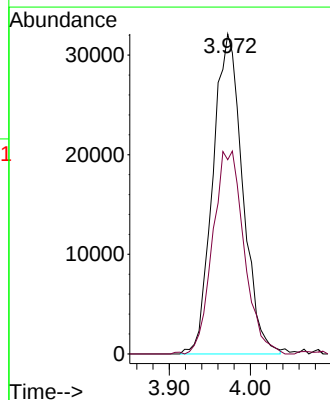
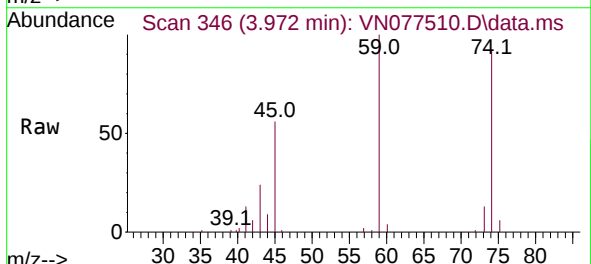
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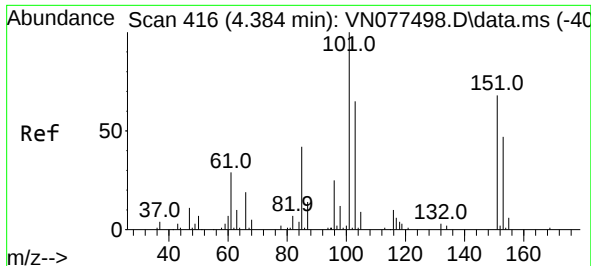
Reviewed By :John Carlone 04/29/2023
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#8
Diethyl Ether
Concen: 18.929 ug/l
RT: 3.972 min Scan# 346
Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 82058
Ion Ratio Lower Upper
74 100
45 66.6 13.6 122.0





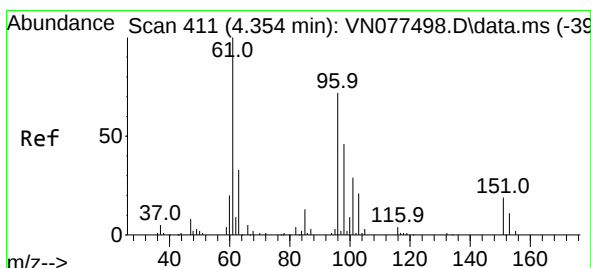
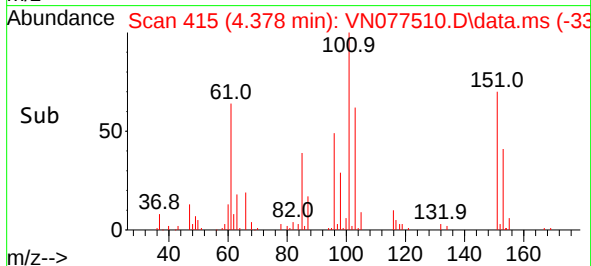
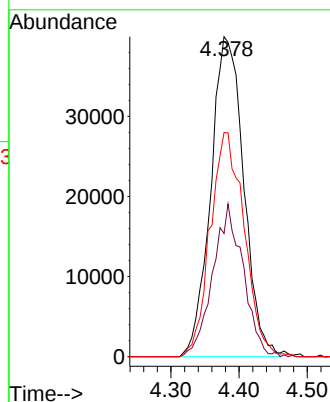
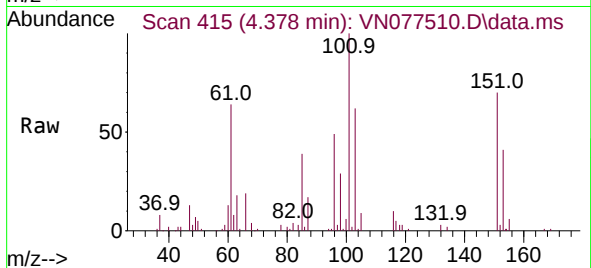
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.162 ug/l
RT: 4.378 min Scan# 416
Delta R.T. -0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 13416
Ion Ratio Lower Upper
101 100
85 43.8 0.0 90.4
151 72.0 0.0 140.8

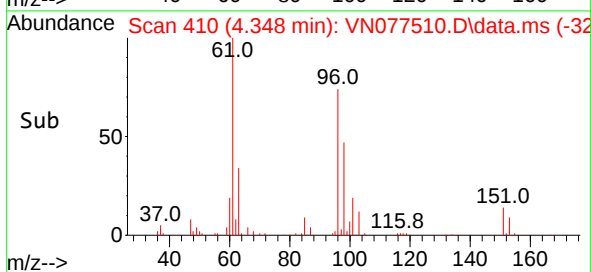
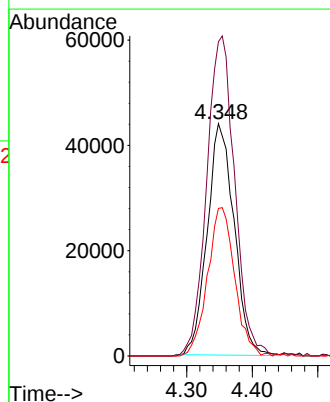
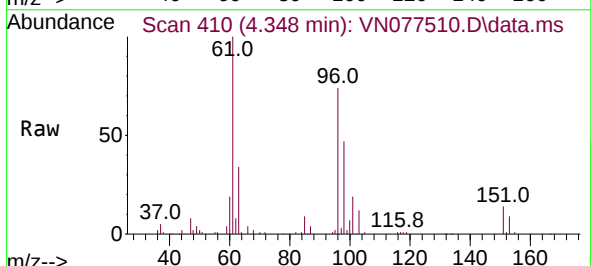
Manual Integrations
APPROVED

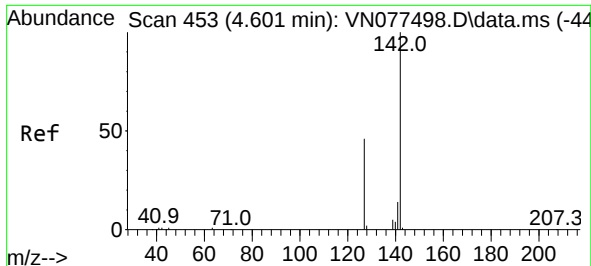
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#10
1,1-Dichloroethene
Concen: 18.674 ug/l
RT: 4.348 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

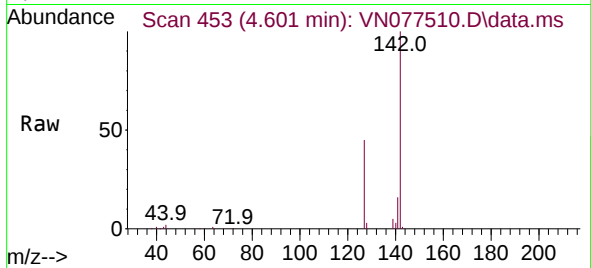
Tgt Ion: 96 Resp: 125430
Ion Ratio Lower Upper
96 100
61 135.4 108.8 163.2
98 63.8 43.5 65.3





#11
Methyl Iodide
Concen: 18.199 ug/l
RT: 4.601 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

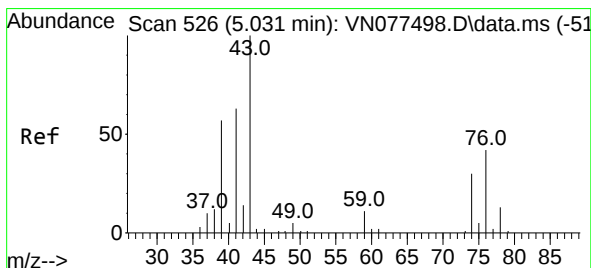
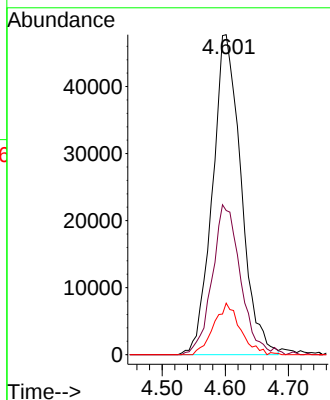
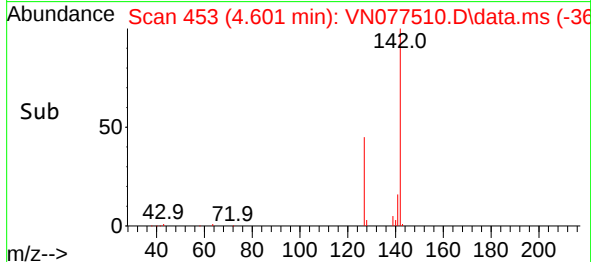
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 149968
Ion Ratio Lower Upper
142 100
127 44.7 23.1 69.3
141 16.0 6.0 18.0

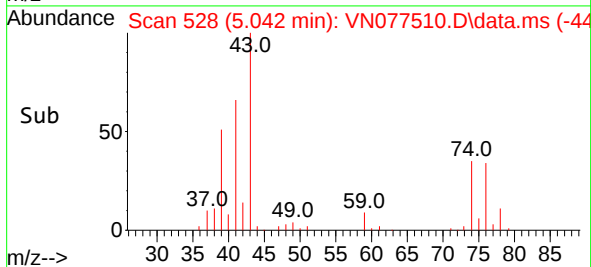
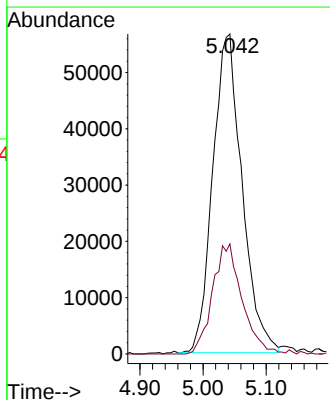
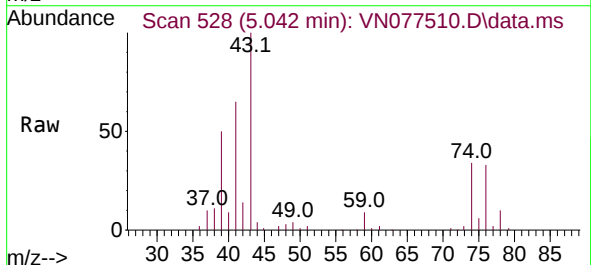
Manual Integrations
APPROVED

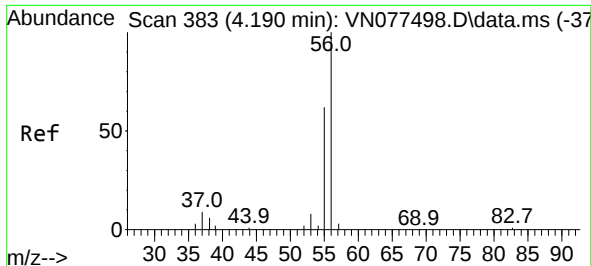
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#12
Methyl Acetate
Concen: 18.845 ug/l
RT: 5.042 min Scan# 528
Delta R.T. 0.012 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

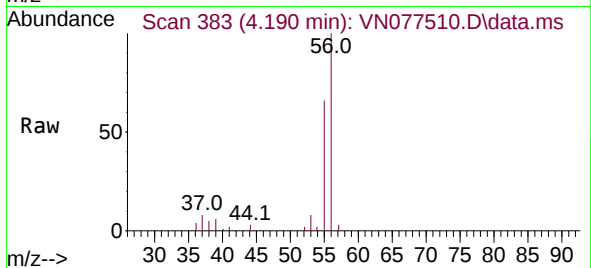
Tgt Ion: 43 Resp: 182559
Ion Ratio Lower Upper
43 100
74 34.5 25.8 38.8





#13
Acrolein
Concen: 101.810 ug/l
RT: 4.190 min Scan# 383
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

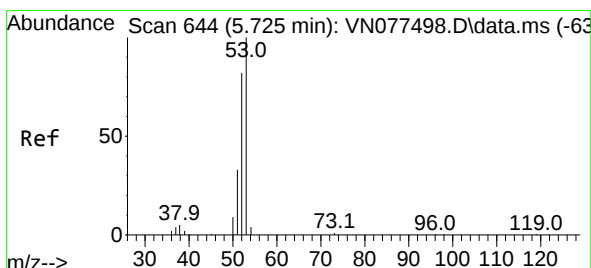
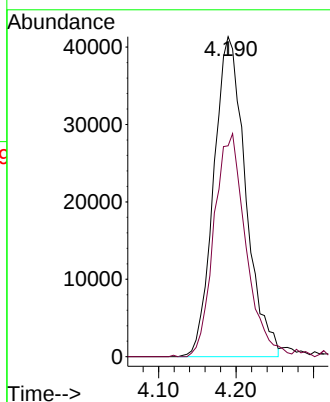
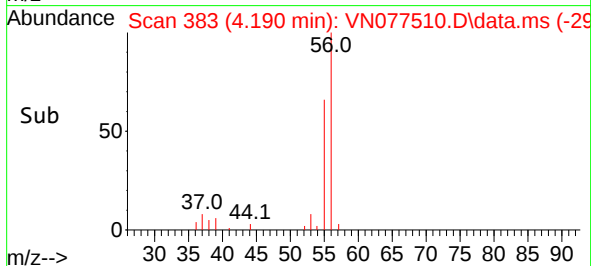
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



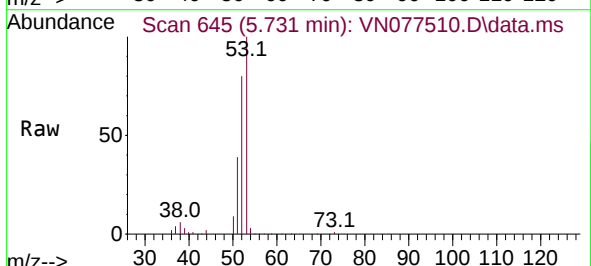
Tgt Ion: 56 Resp: 11825
Ion Ratio Lower Upper
56 100
55 69.7 55.8 83.6

Manual Integrations
APPROVED

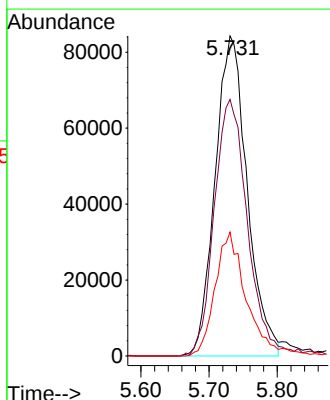
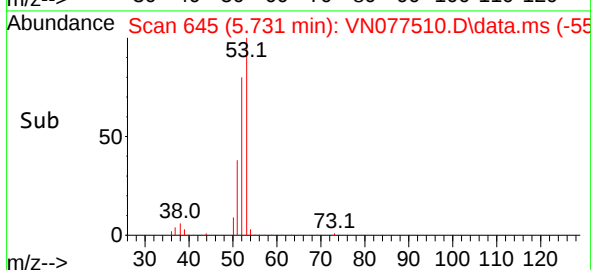
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

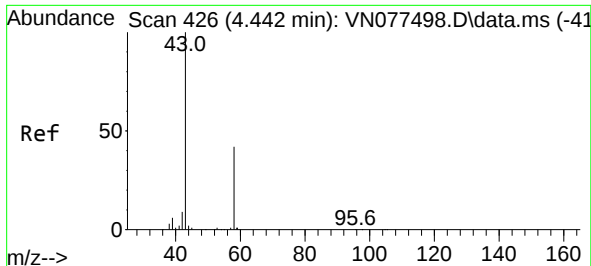


#14
Acrylonitrile
Concen: 93.038 ug/l
RT: 5.731 min Scan# 645
Delta R.T. 0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30



Tgt Ion: 53 Resp: 276509
Ion Ratio Lower Upper
53 100
52 82.6 41.9 125.6
51 36.6 18.0 54.0





#15

Acetone

Concen: 85.711 ug/l

RT: 4.443 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 8133

Ion Ratio Lower Upper

58 100

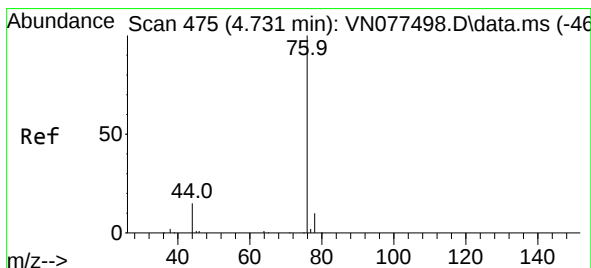
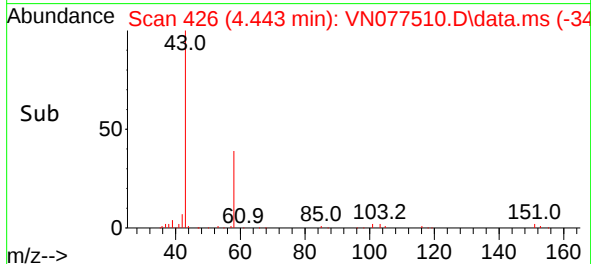
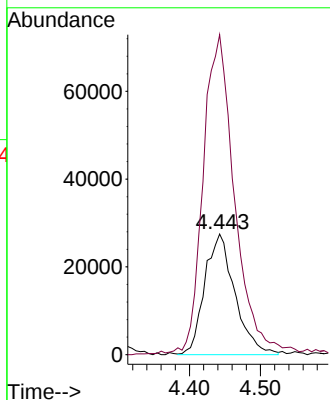
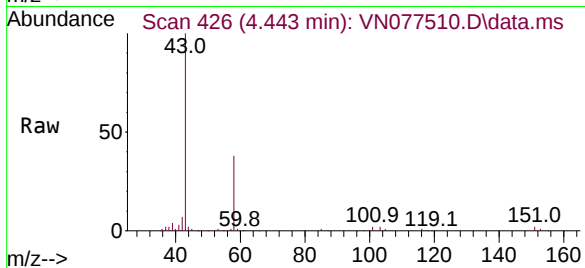
43 260.8 197.2 295.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#16

Carbon Disulfide

Concen: 17.771 ug/l

RT: 4.719 min Scan# 473

Delta R.T. -0.012 min

Lab File: VN077510.D

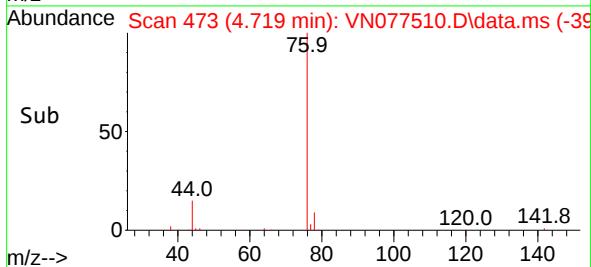
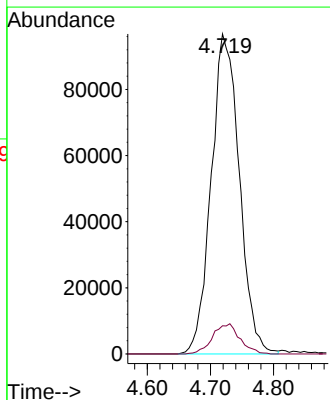
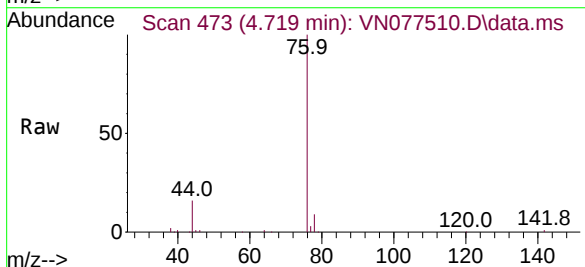
Acq: 28 Apr 2023 19:30

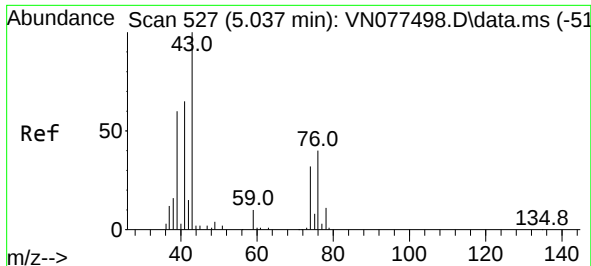
Tgt Ion: 76 Resp: 299334

Ion Ratio Lower Upper

76 100

78 8.8 7.8 11.8





#17
 Allyl chloride
 Concen: 17.204 ug/l
 RT: 5.031 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN077510.D
 Acq: 28 Apr 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

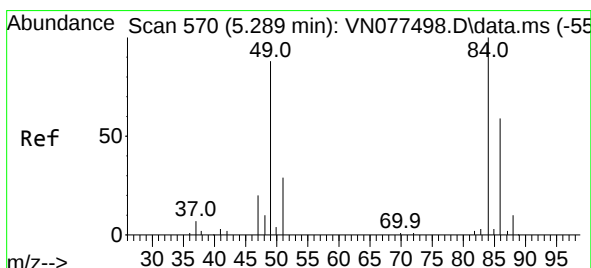
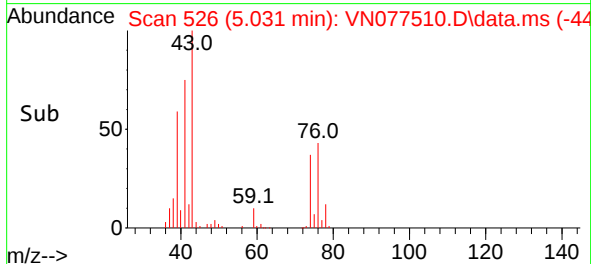
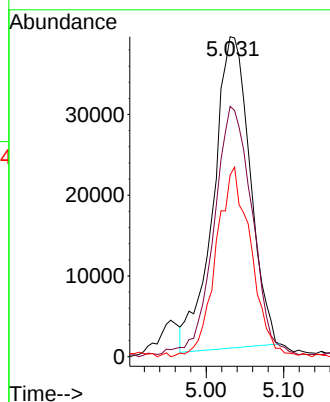
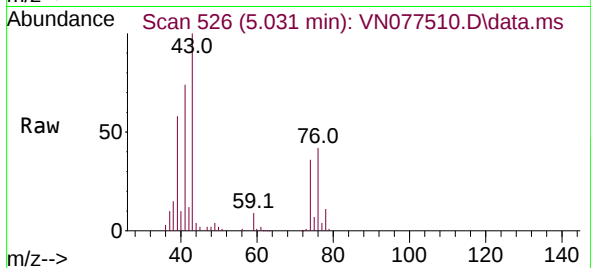
VSTDCCC020EC

Tgt Ion: 41 Resp: 12671
 Ion Ratio Lower Upper
 41 100
 39 78.4 38.6 116.0
 76 57.9 26.1 78.3

Manual Integrations

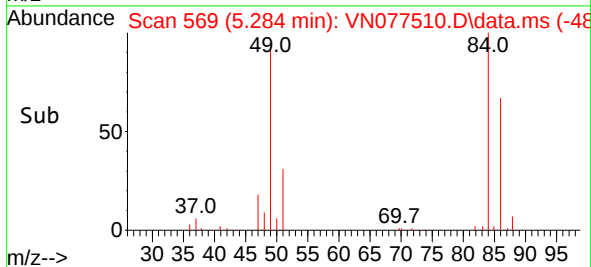
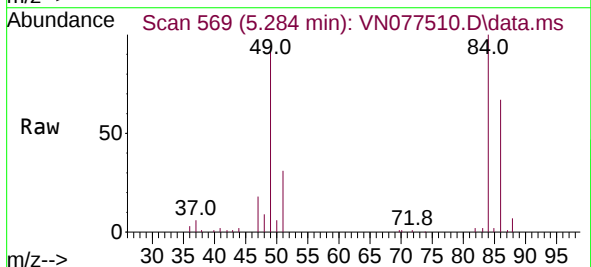
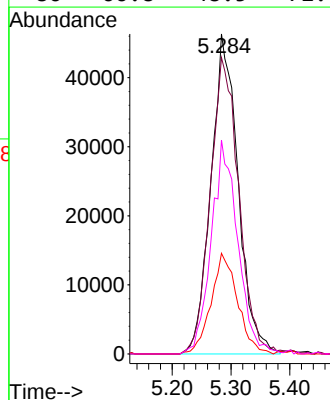
APPROVED

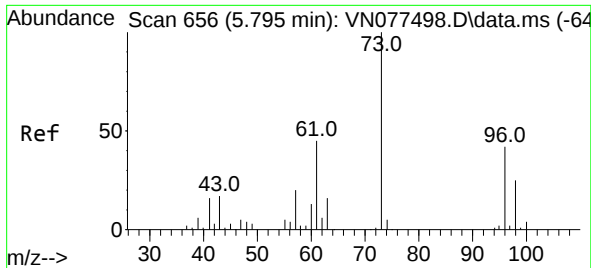
Reviewed By :John Carlone 04/29/2023
 Supervised By :Semsettin Yesilyurt 04/29/2023



#18
 Methylene Chloride
 Concen: 18.746 ug/l
 RT: 5.284 min Scan# 569
 Delta R.T. -0.006 min
 Lab File: VN077510.D
 Acq: 28 Apr 2023 19:30

Tgt Ion: 84 Resp: 148544
 Ion Ratio Lower Upper
 84 100
 49 92.6 74.6 112.0
 51 31.5 25.0 37.6
 86 66.8 48.5 72.7





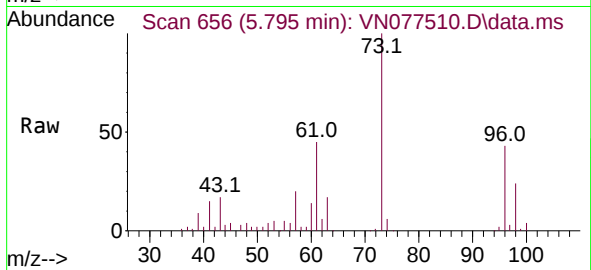
#19
trans-1,2-Dichloroethene
Concen: 18.701 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



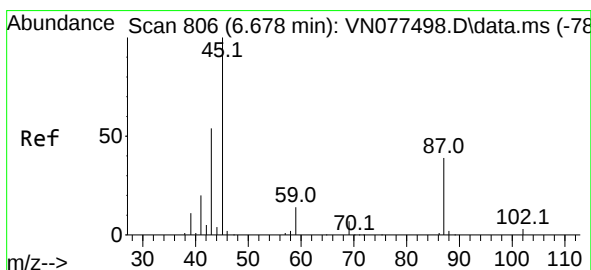
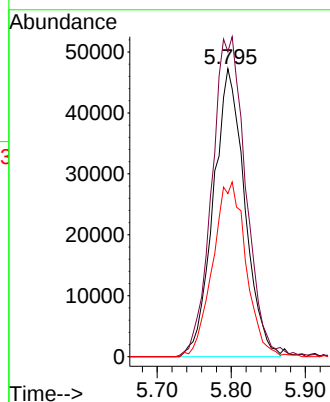
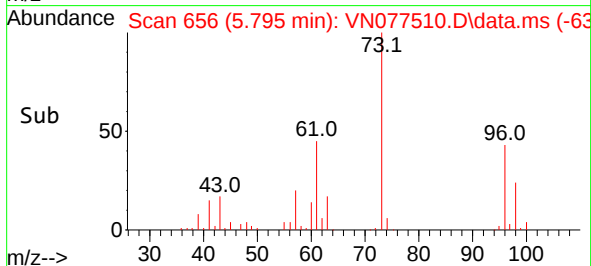
Tgt Ion: 96 Resp: 138790
Ion Ratio Lower Upper
96 100
61 105.3 89.7 134.5
98 56.6 47.0 70.4

Manual Integrations

APPROVED

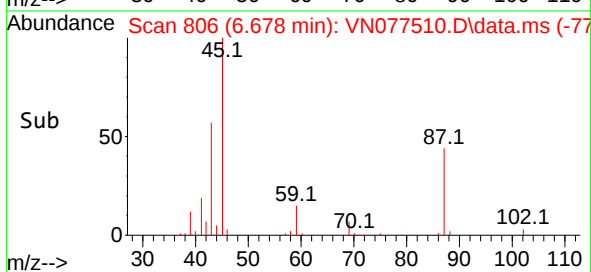
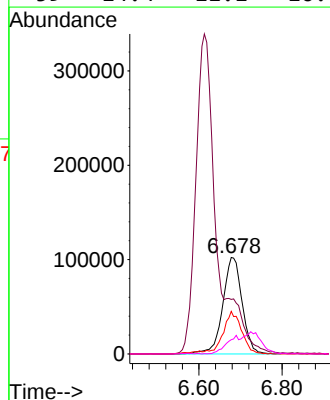
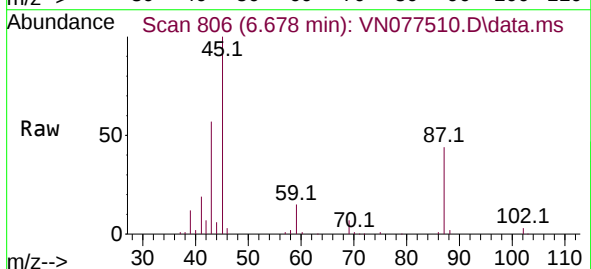
Reviewed By :John Carlone 04/29/2023

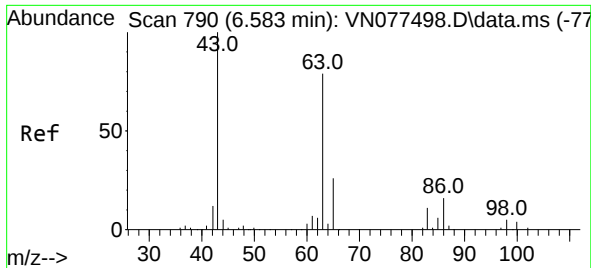
Supervised By :Semsettin Yesilyurt 04/29/2023



#20
Diisopropyl ether
Concen: 19.258 ug/l
RT: 6.678 min Scan# 806
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Tgt Ion: 45 Resp: 330185
Ion Ratio Lower Upper
45 100
43 55.7 46.6 69.8
87 44.0 34.6 52.0
59 14.4 11.1 16.7





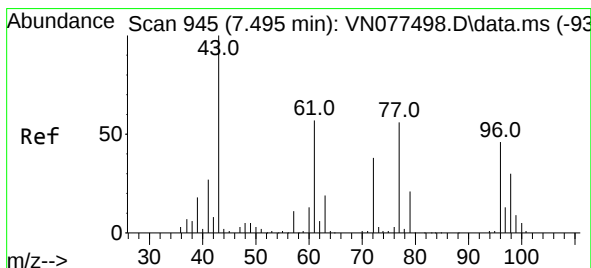
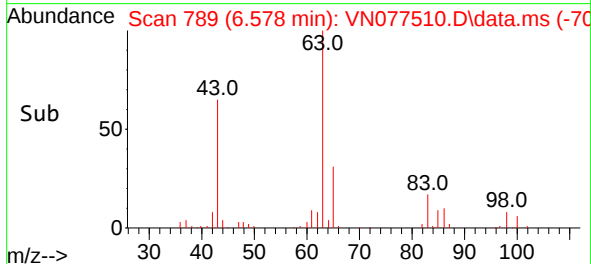
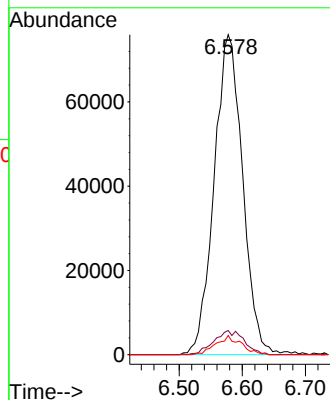
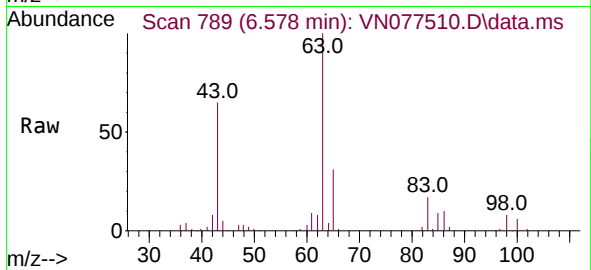
#21
1,1-Dichloroethane
Concen: 18.967 ug/l
RT: 6.578 min Scan# 790
Delta R.T. -0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 237649
Ion Ratio Lower Upper
63 100
98 7.6 4.0 12.0
100 6.0 3.4 10.1

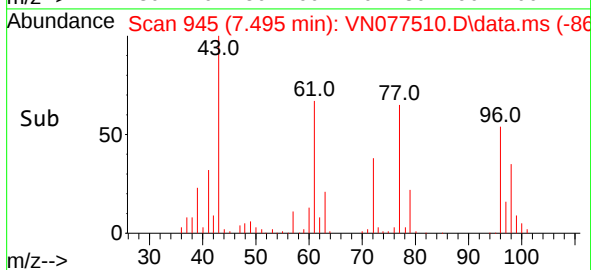
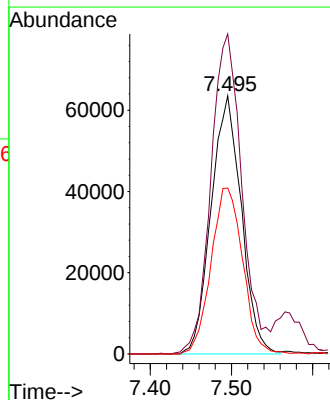
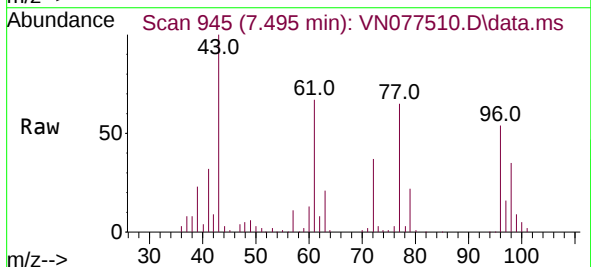
Manual Integrations
APPROVED

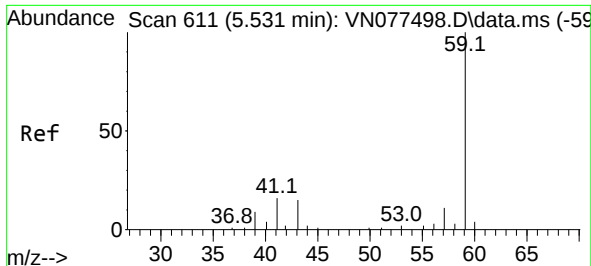
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#22
cis-1,2-Dichloroethene
Concen: 18.476 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

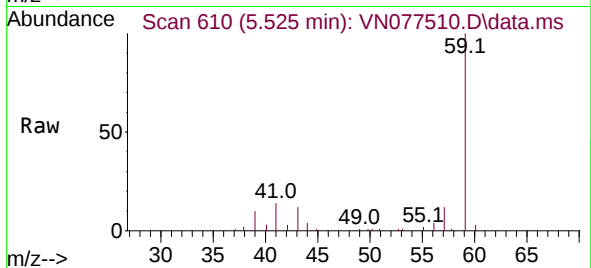
Tgt Ion: 96 Resp: 164232
Ion Ratio Lower Upper
96 100
61 127.4 100.2 150.2
98 67.2 51.6 77.4





#23
tert-Butyl Alcohol
Concen: 90.963 ug/l
RT: 5.525 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

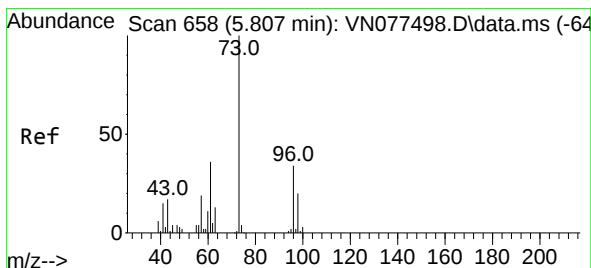
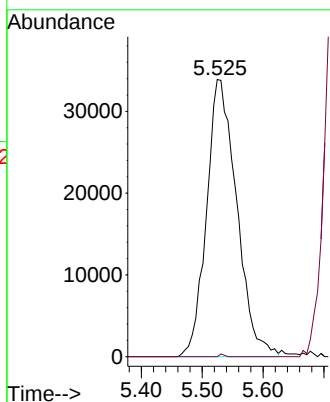
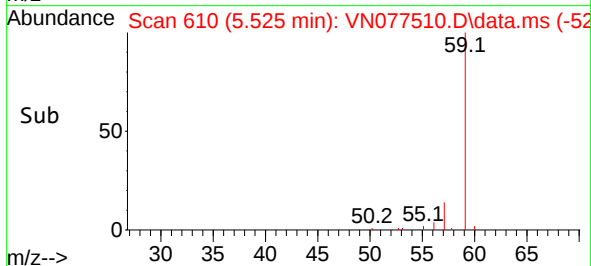
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



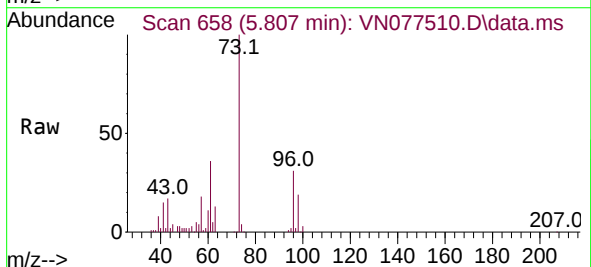
Tgt Ion: 59 Resp: 116630
Ion Ratio Lower Upper
59 100
52 0.2 0.0 0.0

Manual Integrations
APPROVED

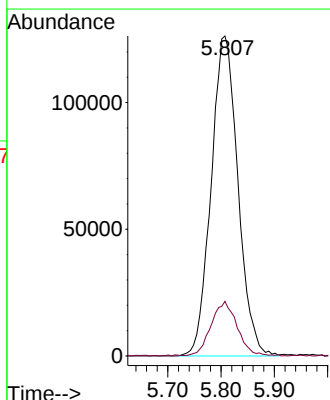
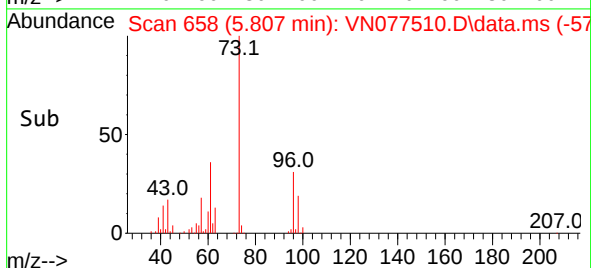
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

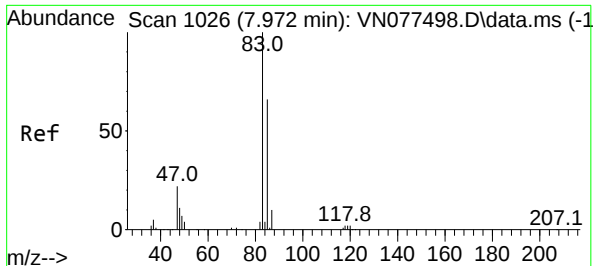


#24
Methyl tert-Butyl Ether
Concen: 18.962 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30



Tgt Ion: 73 Resp: 441778
Ion Ratio Lower Upper
73 100
43 15.9 13.5 20.3





#25

Chloroform

Concen: 19.258 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 277328

Ion Ratio Lower Upper

83 100

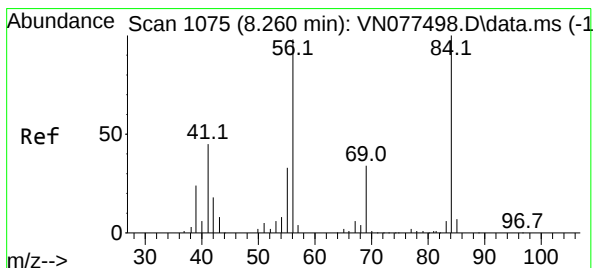
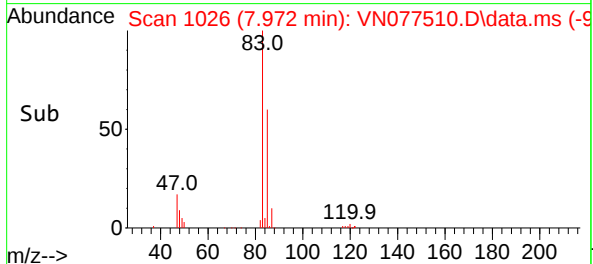
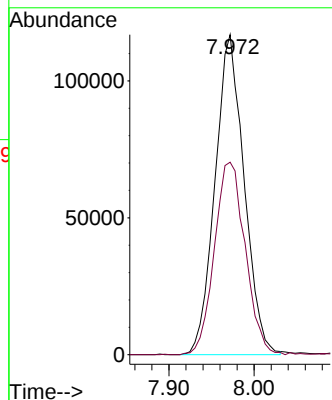
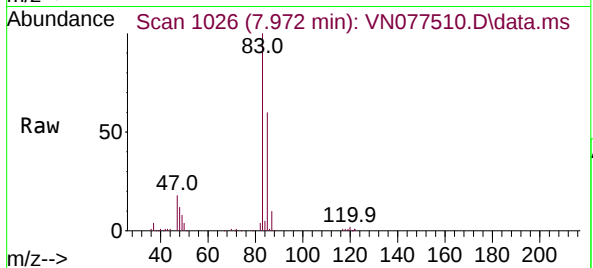
85 60.3 53.0 79.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#26

Cyclohexane

Concen: 18.866 ug/l

RT: 8.266 min Scan# 1076

Delta R.T. 0.006 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

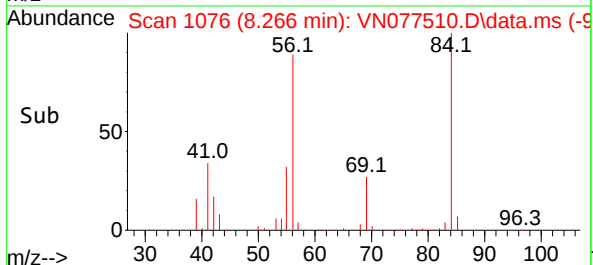
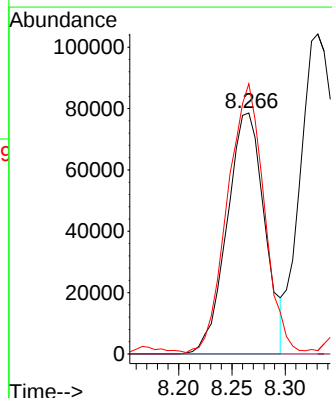
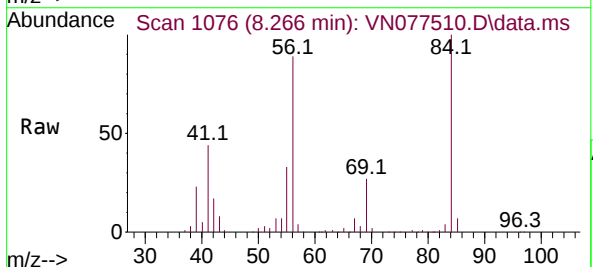
Tgt Ion: 56 Resp: 192831

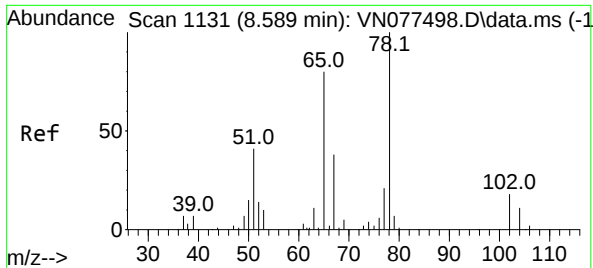
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 110.1 85.4 128.2





#27
1,2-Dichloroethane-d4
Concen: 29.552 ug/l
RT: 8.583 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

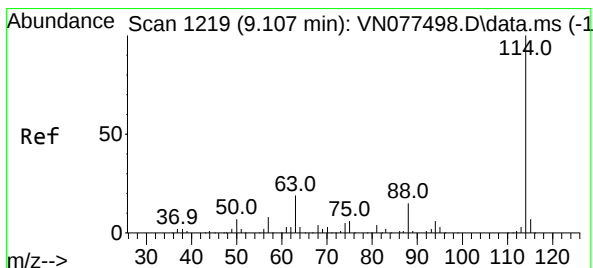
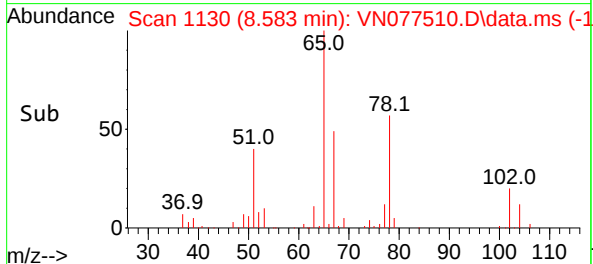
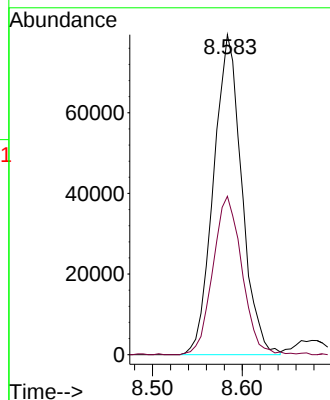
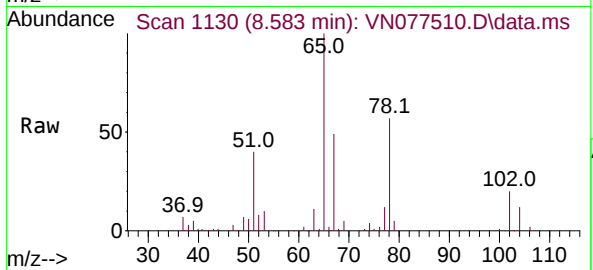
Tgt Ion: 65 Resp: 17301
Ion Ratio Lower Upper
65 100
67 51.0 40.2 60.2

Manual Integrations

APPROVED

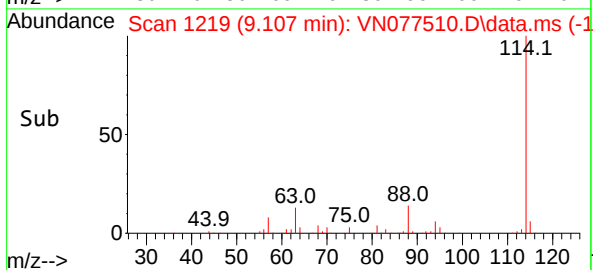
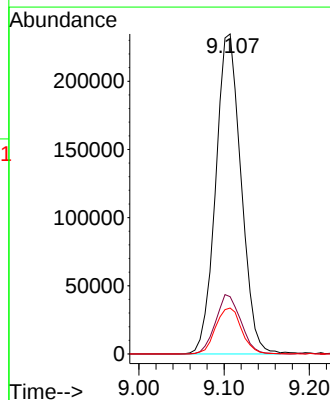
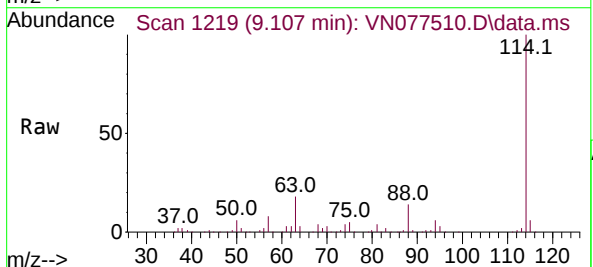
Reviewed By :John Carlone 04/29/2023

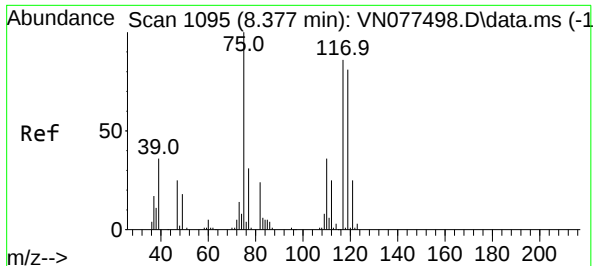
Supervised By :Semsettin Yesilyurt 04/29/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Tgt Ion:114 Resp: 484978
Ion Ratio Lower Upper
114 100
63 18.4 14.1 21.1
88 14.7 12.3 18.5





#29

1,1-Dichloropropene

Concen: 18.860 ug/l

RT: 8.378 min Scan# 1095

Delta R.T. 0.000 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 19280

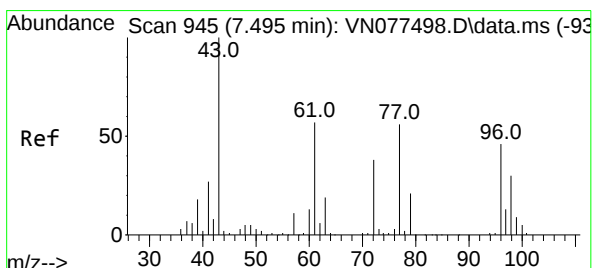
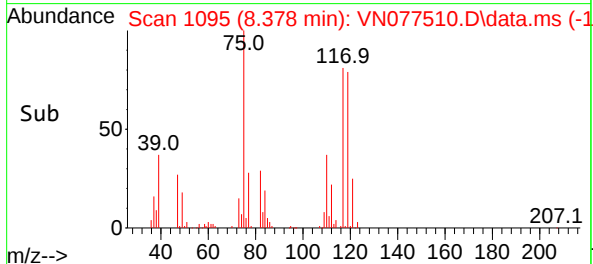
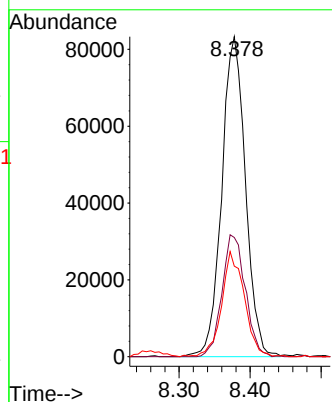
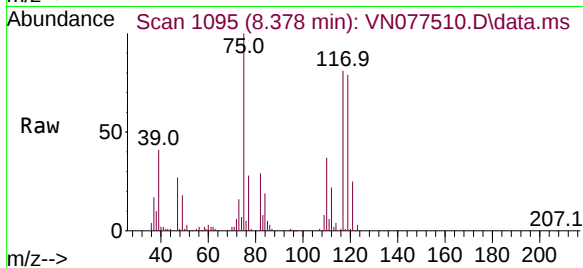
Ion	Ratio	Lower	Upper
75	100		
110	37.4	0.0	74.0
77	31.3	0.0	62.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#30

2-Butanone

Concen: 89.391 ug/l

RT: 7.489 min Scan# 944

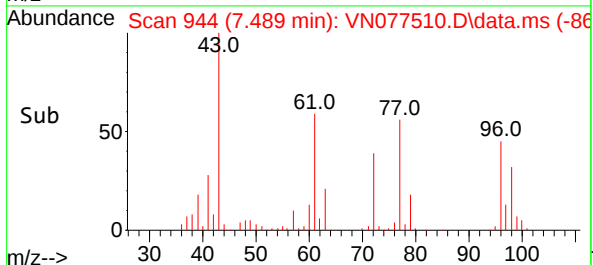
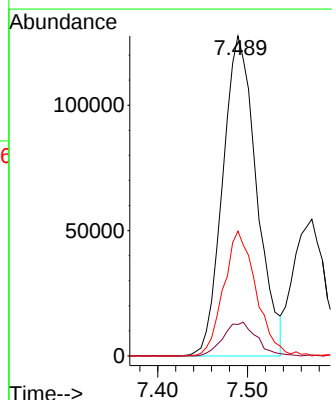
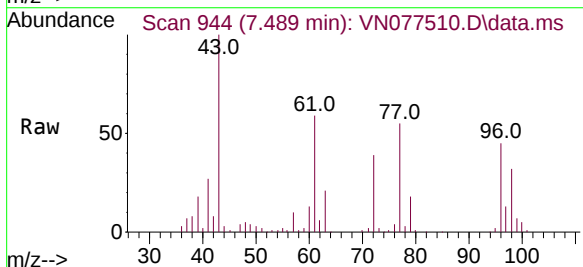
Delta R.T. -0.006 min

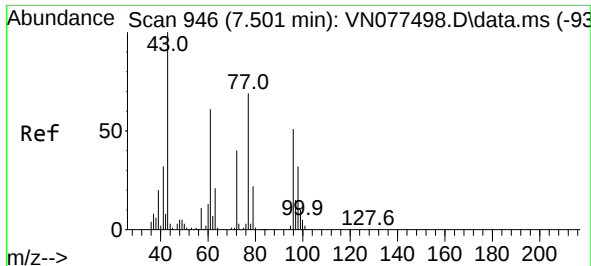
Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

Tgt Ion: 43 Resp: 335036

Ion	Ratio	Lower	Upper
43	100		
57	10.4	8.0	12.0
72	37.1	30.4	45.6





#31

2,2-Dichloropropane

Concen: 18.535 ug/l

RT: 7.501 min Scan# 946

Delta R.T. 0.000 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 77 Resp: 22170

Ion Ratio Lower Upper

77 100

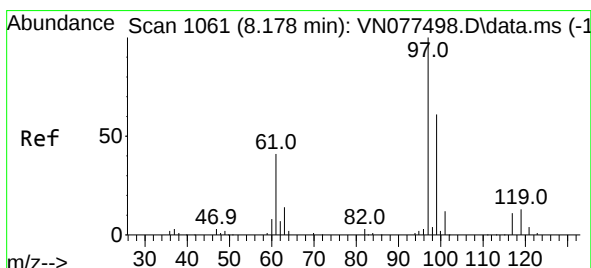
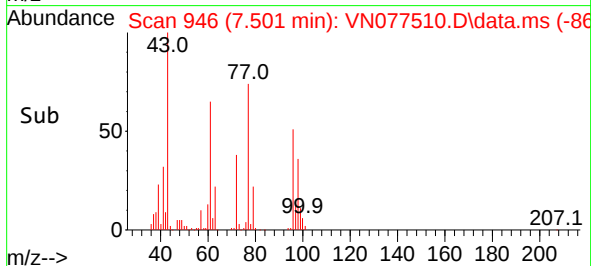
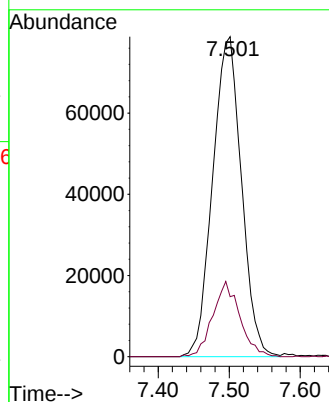
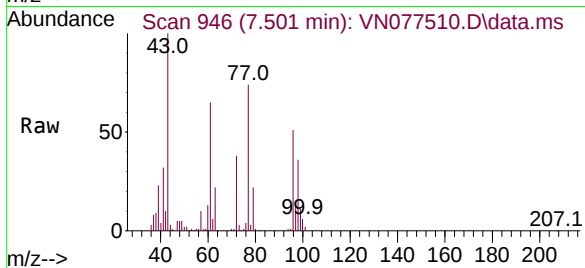
97 22.1 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#32

1,1,1-Trichloroethane

Concen: 19.202 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.000 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

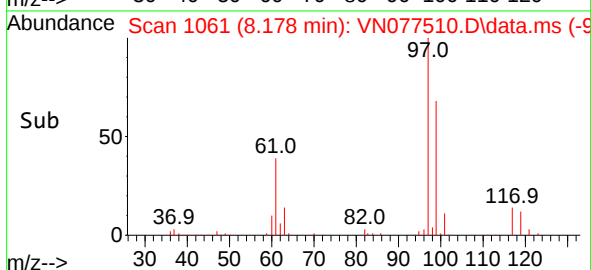
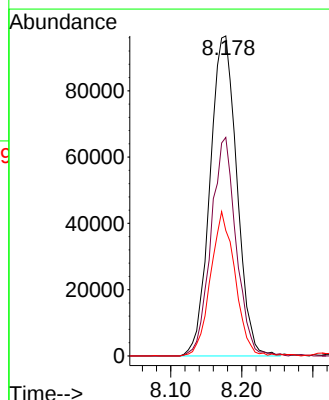
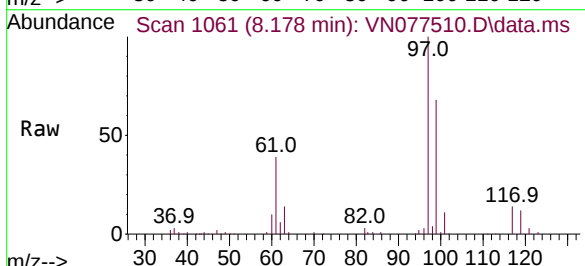
Tgt Ion: 97 Resp: 253369

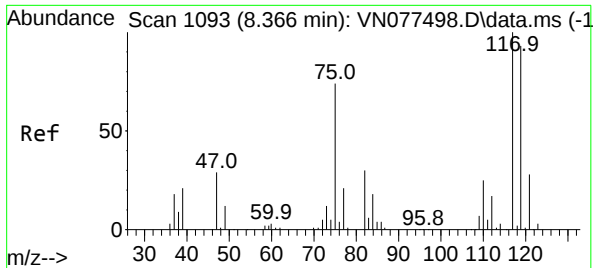
Ion Ratio Lower Upper

97 100

99 64.1 50.1 75.1

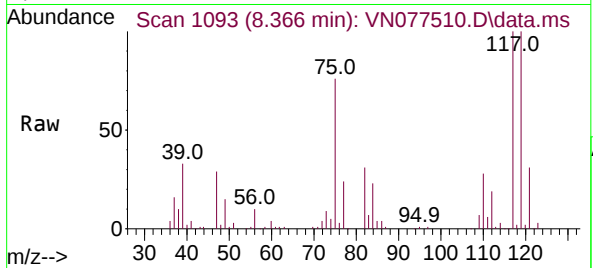
61 41.0 31.1 46.7





#33
Carbon Tetrachloride
Concen: 18.576 ug/l
RT: 8.366 min Scan# 1093
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

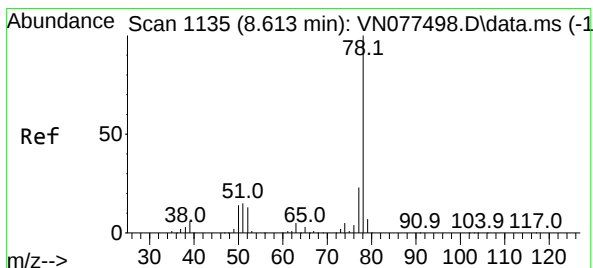
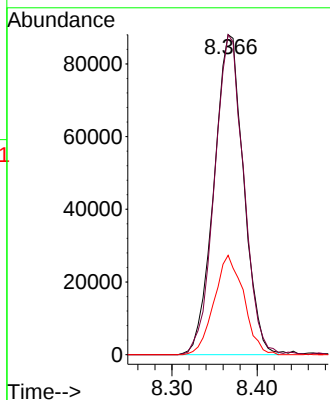
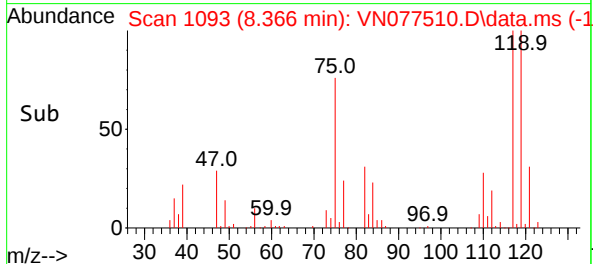
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 21274
Ion Ratio Lower Upper
117 100
119 100.0 72.6 109.0
121 31.0 24.3 36.5

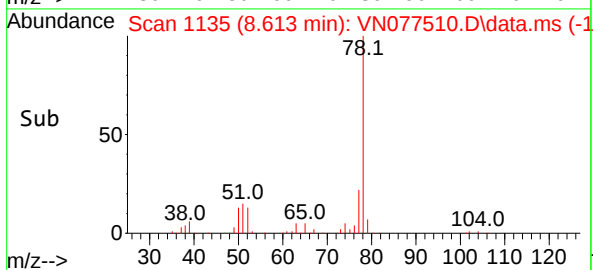
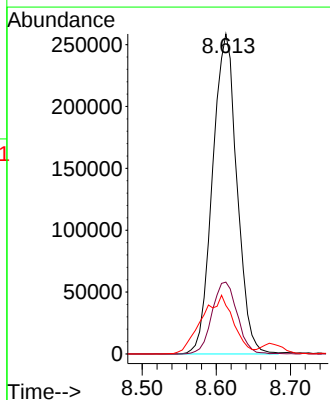
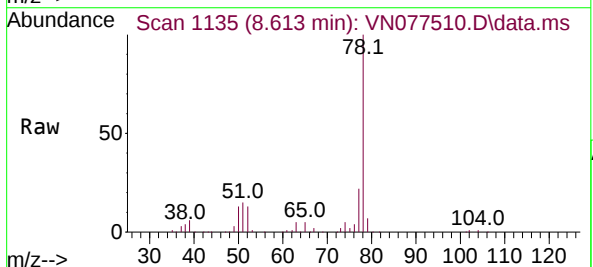
Manual Integrations
APPROVED

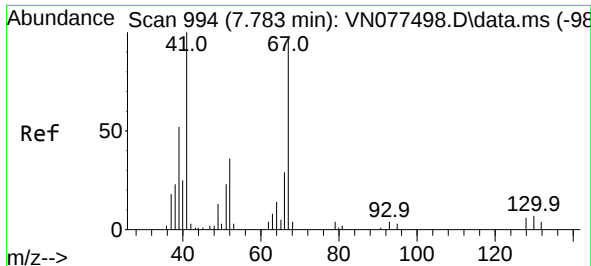
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#34
Benzene
Concen: 18.786 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

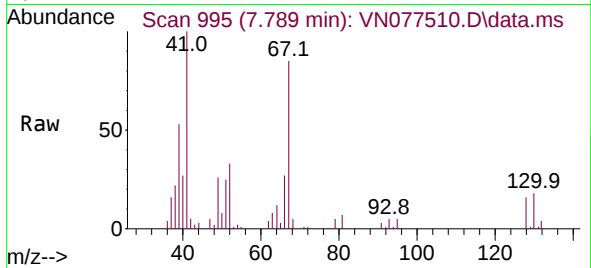
Tgt Ion: 78 Resp: 590597
Ion Ratio Lower Upper
78 100
77 22.5 17.1 25.7
51 14.5 11.3 16.9





#35
Methacrylonitrile
Concen: 20.066 ug/l
RT: 7.789 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

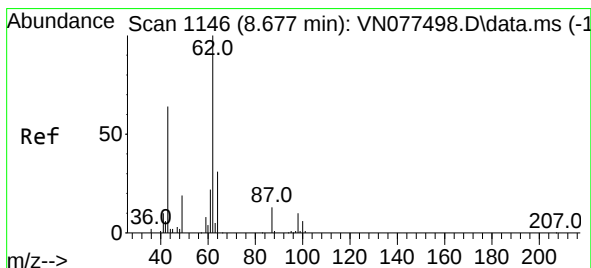
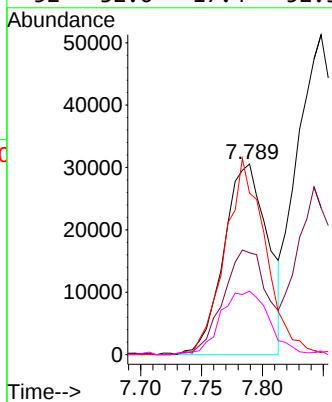
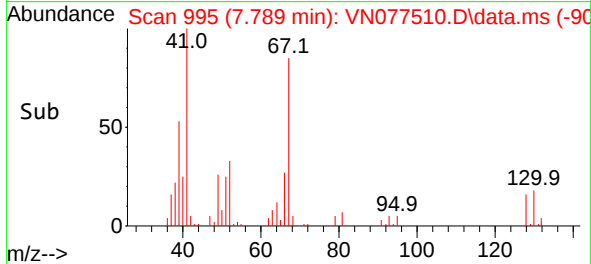
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 76788
Ion Ratio Lower Upper
41 100
39 52.7 25.9 77.8
67 84.2 48.1 144.4
52 32.6 17.4 52.3

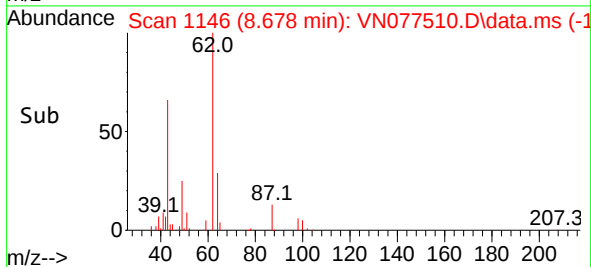
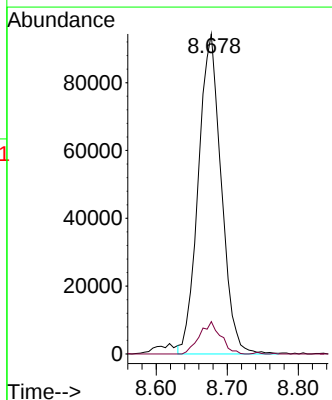
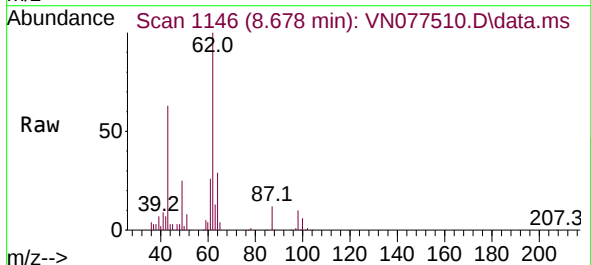
Manual Integrations
APPROVED

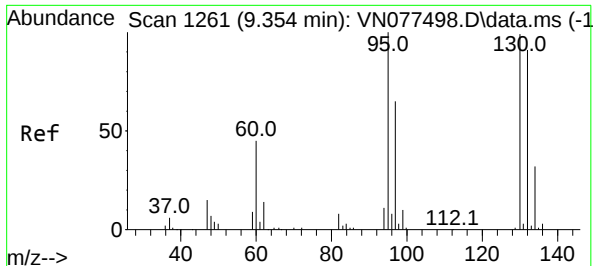
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#36
1,2-Dichloroethane
Concen: 19.724 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Tgt Ion: 62 Resp: 211770
Ion Ratio Lower Upper
62 100
98 9.4 8.0 12.0





#37

Trichloroethene

Concen: 18.987 ug/l

RT: 9.360 min Scan# 1261

Delta R.T. 0.006 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:130 Resp: 150860

Ion Ratio Lower Upper

130 100

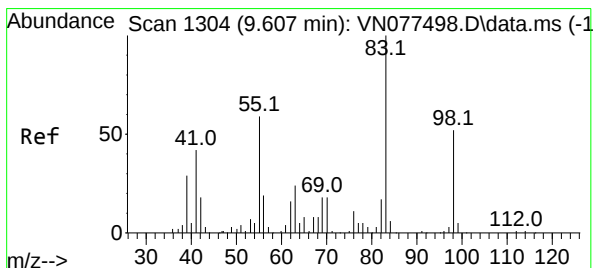
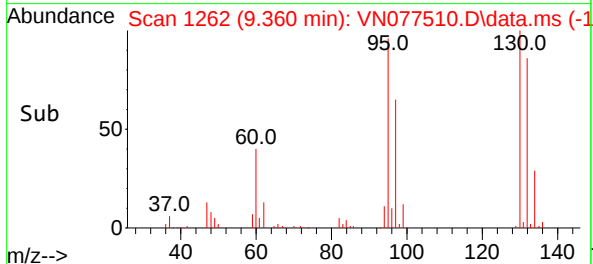
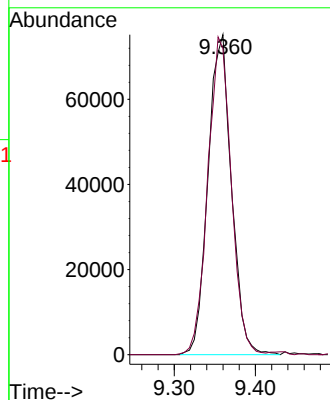
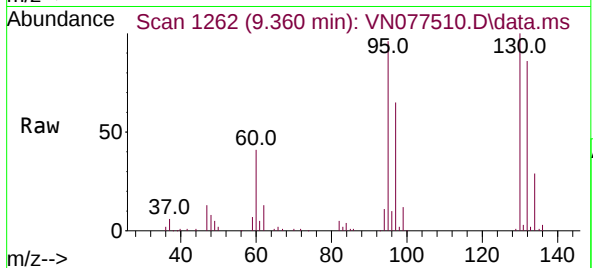
95 95.4 87.1 130.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#38

Methylcyclohexane

Concen: 18.390 ug/l

RT: 9.607 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

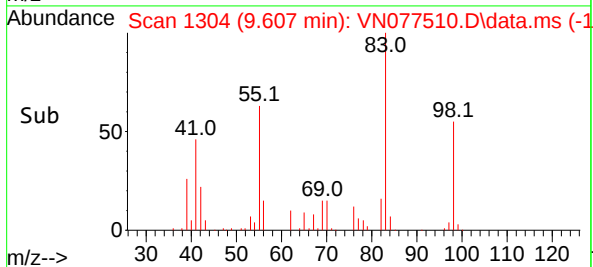
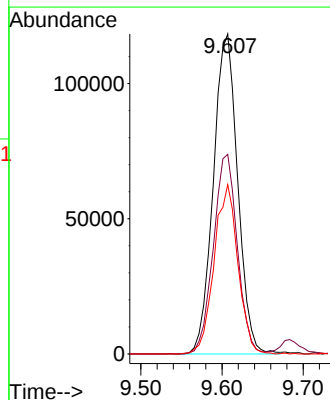
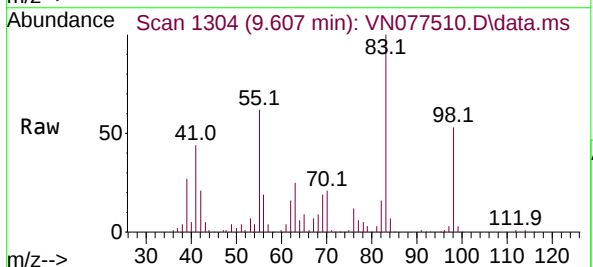
Tgt Ion: 83 Resp: 246991

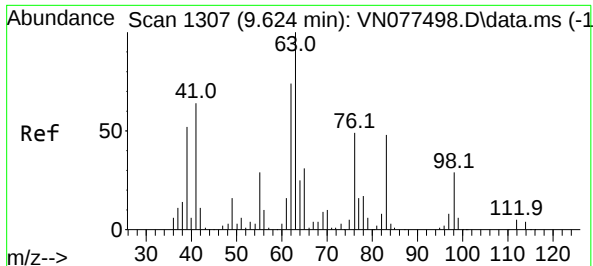
Ion Ratio Lower Upper

83 100

55 61.3 29.6 88.9

98 51.7 25.1 75.3





#39

1,2-Dichloropropane

Concen: 19.253 ug/l

RT: 9.625 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 140189

Ion Ratio Lower Upper

63 100

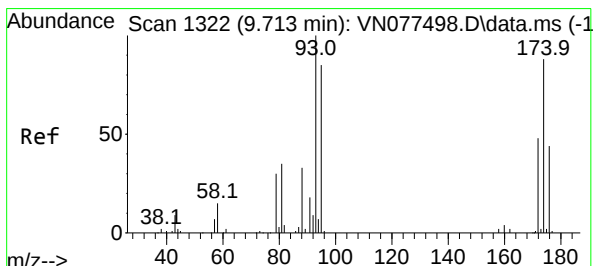
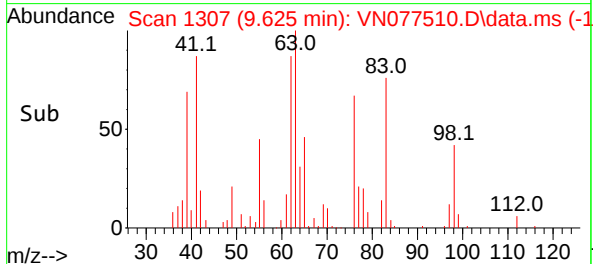
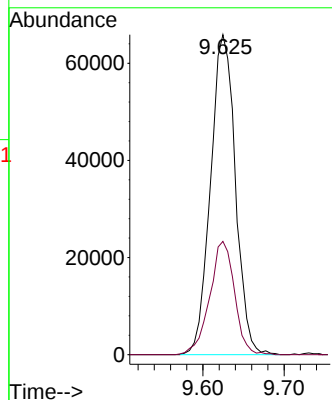
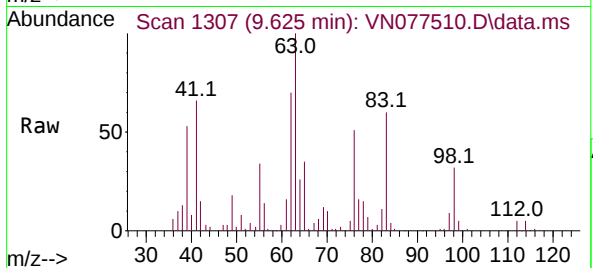
65 35.4 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#40

Dibromomethane

Concen: 18.897 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

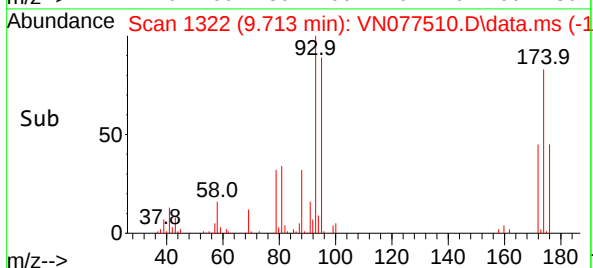
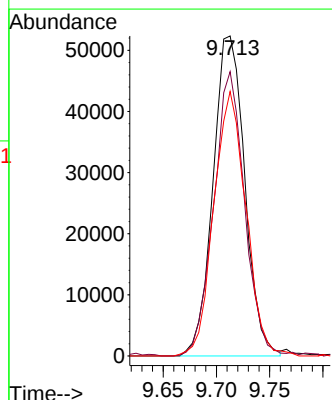
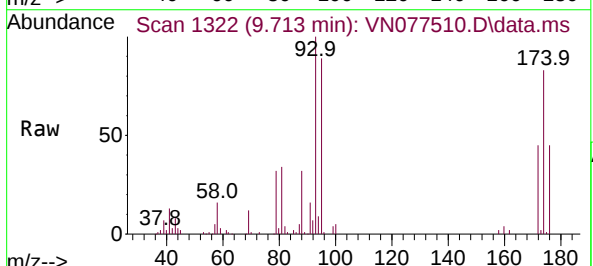
Tgt Ion: 93 Resp: 108514

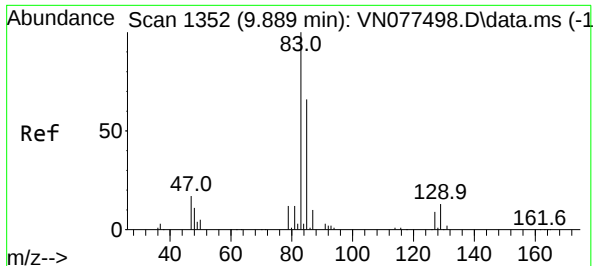
Ion Ratio Lower Upper

93 100

95 86.3 0.0 171.0

174 83.3 0.0 164.2





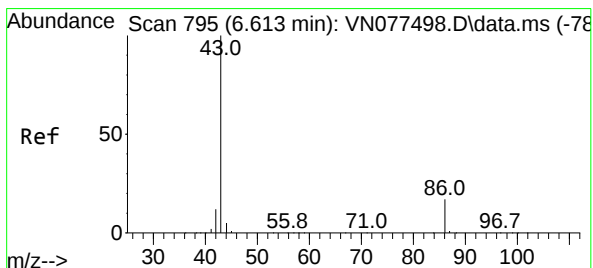
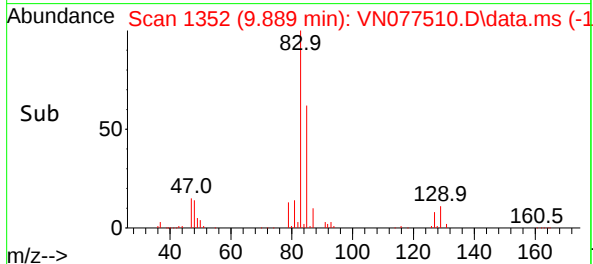
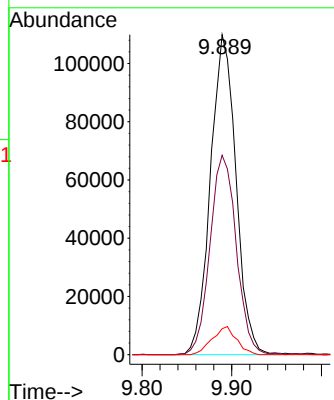
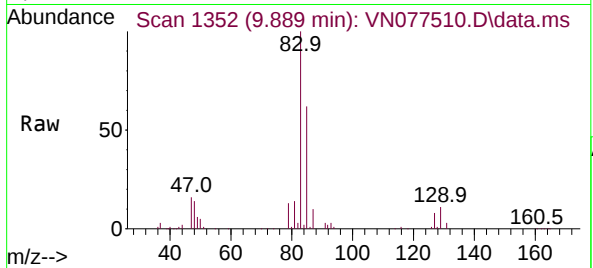
#41
Bromodichloromethane
Concen: 19.153 ug/l
RT: 9.889 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 21722
Ion Ratio Lower Upper
83 100
85 62.0 49.2 73.8
127 8.1 6.1 9.1

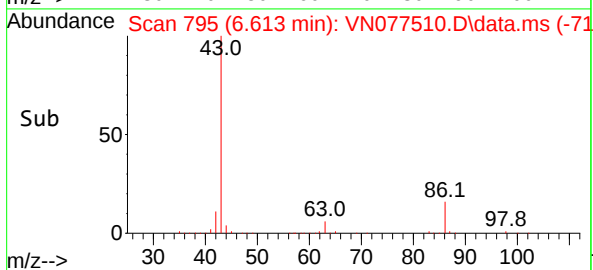
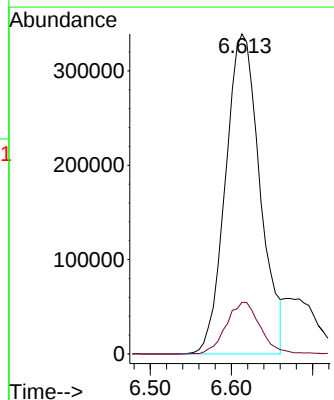
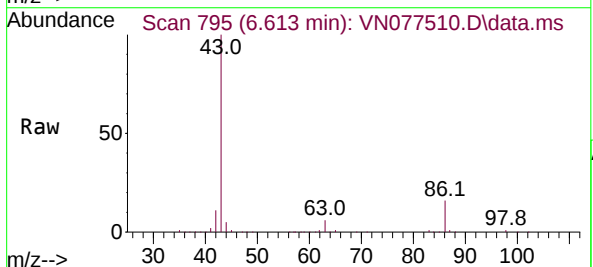
Manual Integrations
APPROVED

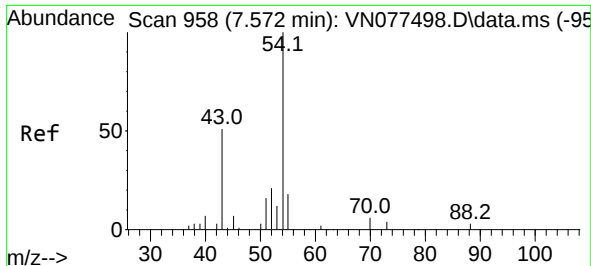
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#42
Vinyl Acetate
Concen: 84.775 ug/l
RT: 6.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Tgt Ion: 43 Resp: 1000673
Ion Ratio Lower Upper
43 100
86 15.7 12.6 18.8





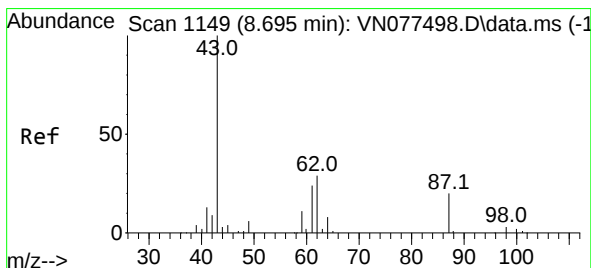
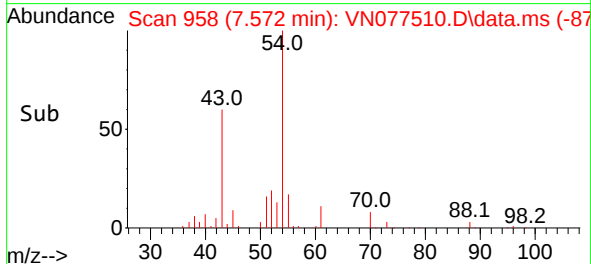
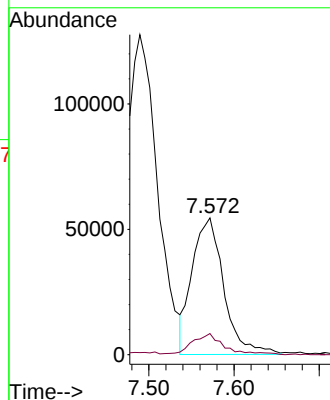
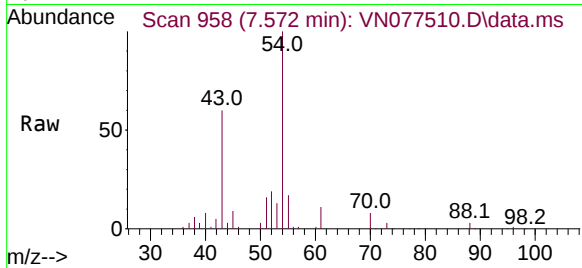
#43
Ethyl Acetate
Concen: 19.384 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 140623
Ion Ratio Lower Upper
43 100
45 13.3 4.8 7.2

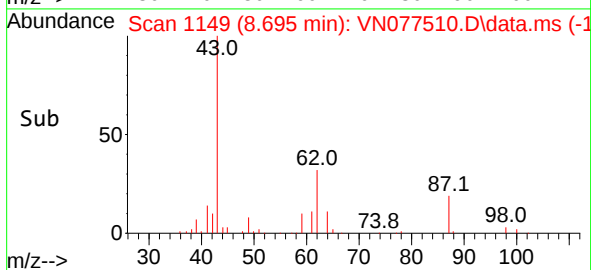
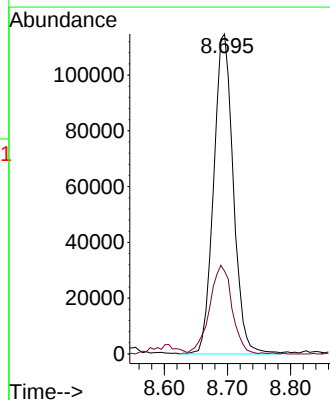
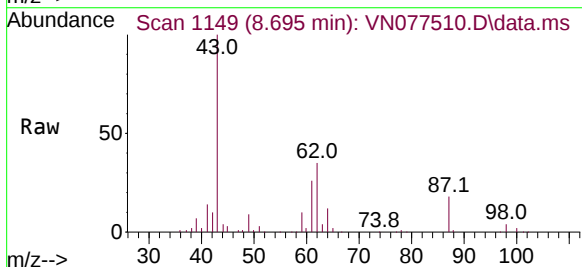
Manual Integrations
APPROVED

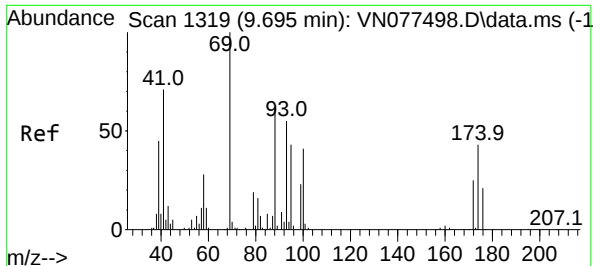
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#44
Isopropyl Acetate
Concen: 19.314 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

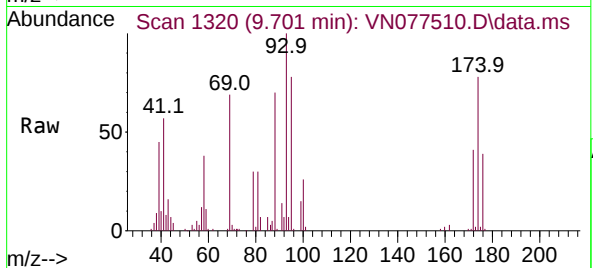
Tgt Ion: 43 Resp: 248208
Ion Ratio Lower Upper
43 100
61 31.6 27.2 40.8





#45
1,4-Dioxane
Concen: 366.076 ug/l
RT: 9.701 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

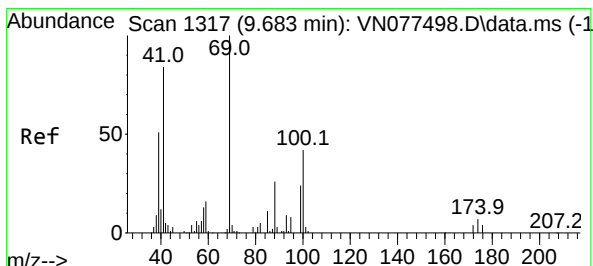
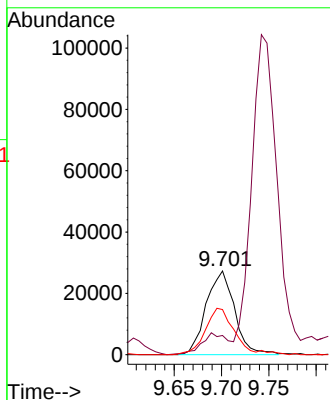
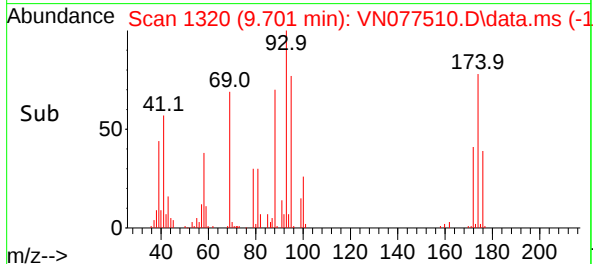
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



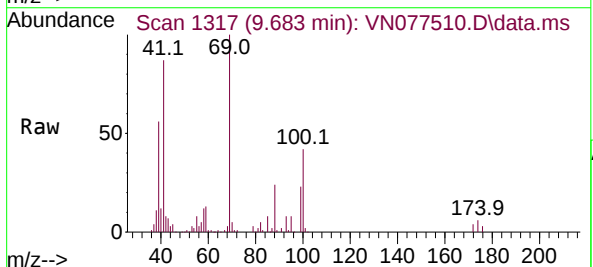
Tgt Ion: 88 Resp: 57052
Ion Ratio Lower Upper
88 100
43 24.6 16.6 24.8
58 54.8 47.3 70.9

Manual Integrations
APPROVED

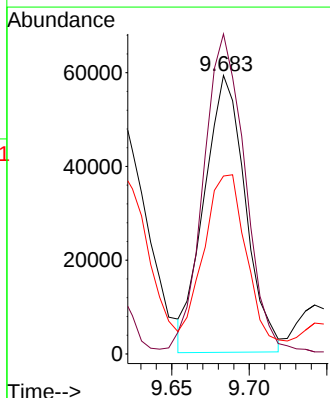
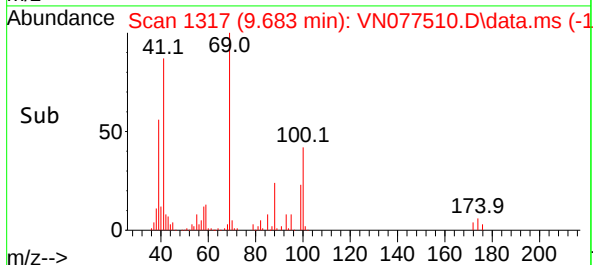
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

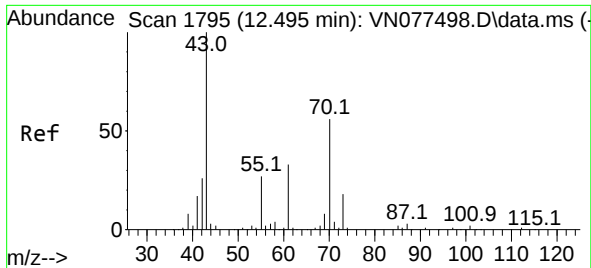


#46
Methyl methacrylate
Concen: 18.701 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30



Tgt Ion: 41 Resp: 109372
Ion Ratio Lower Upper
41 100
69 117.4 59.2 177.6
39 62.1 33.4 100.1





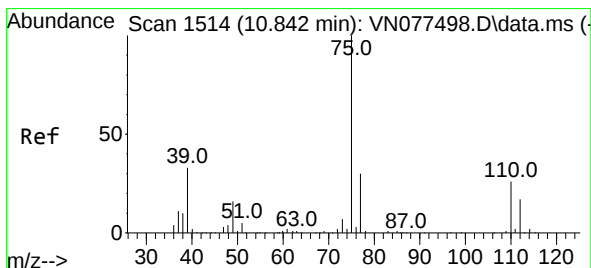
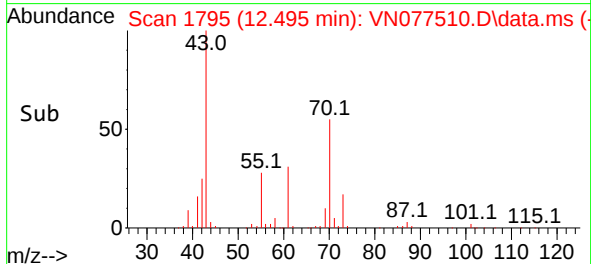
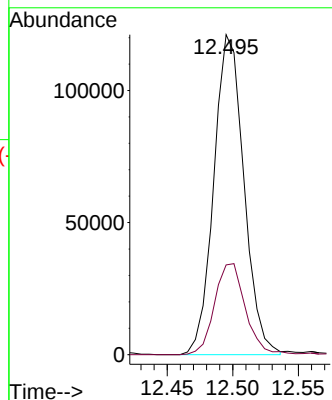
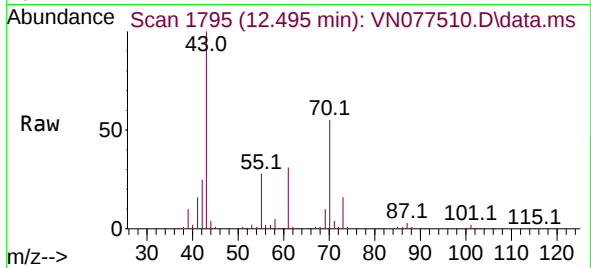
#47
n-amy1 Acetate
Concen: 18.773 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 19339
Ion Ratio Lower Upper
43 100
55 29.2 22.2 33.2

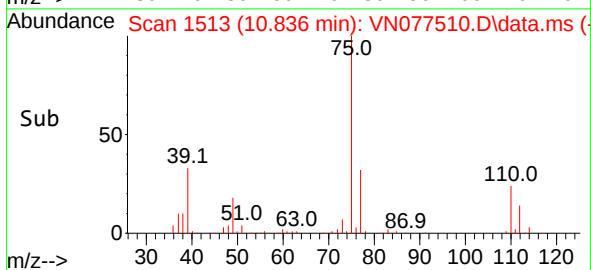
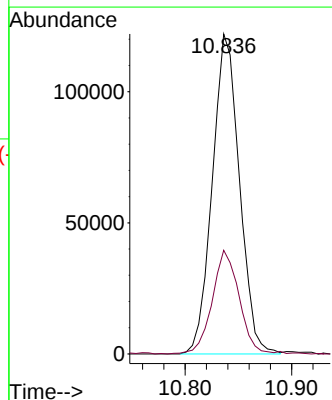
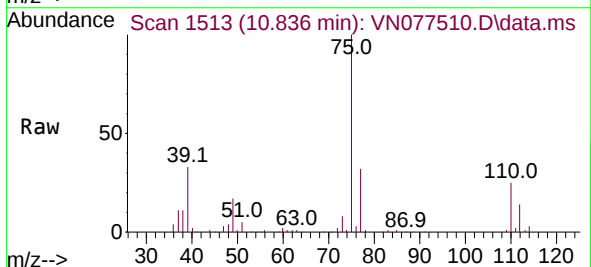
Manual Integrations
APPROVED

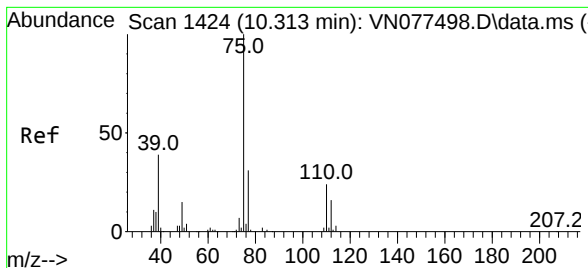
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#48
t-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

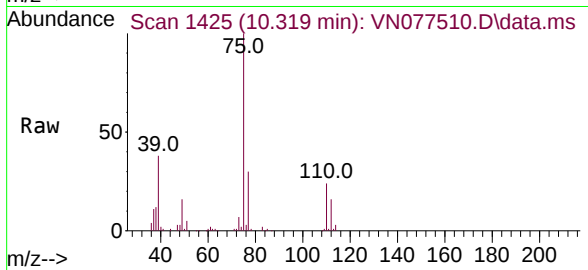
Tgt Ion: 75 Resp: 215638
Ion Ratio Lower Upper
75 100
77 32.2 23.9 35.9





#49
cis-1,3-Dichloropropene
Concen: 19.062 ug/l
RT: 10.319 min Scan# 1424
Delta R.T. 0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

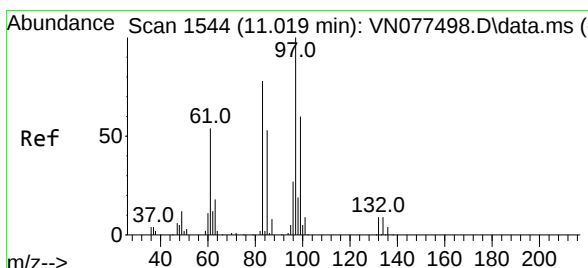
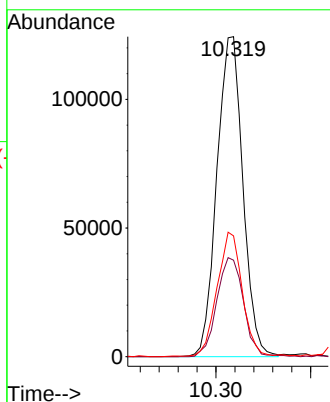
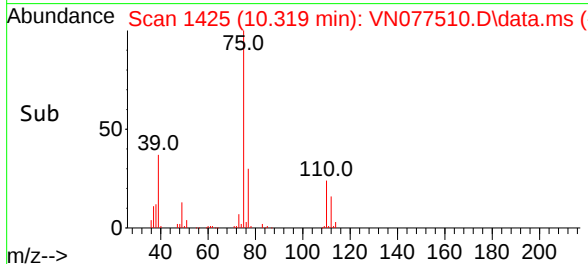
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 237598
Ion Ratio Lower Upper
75 100
77 30.1 25.8 38.8
39 37.6 28.5 42.7

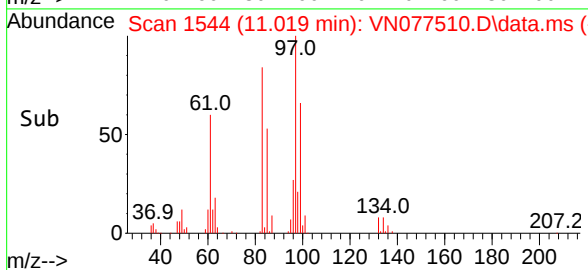
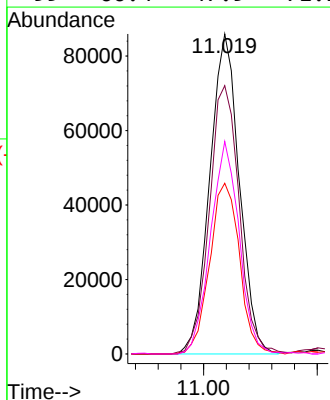
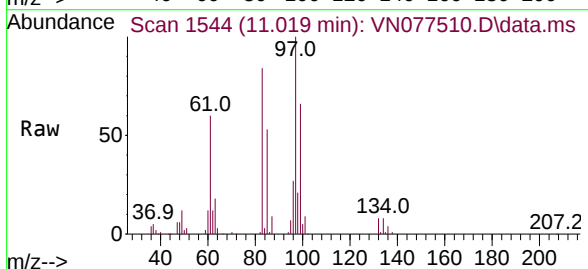
Manual Integrations
APPROVED

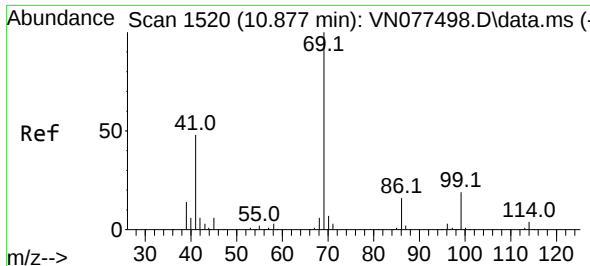
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#50
1,1,2-Trichloroethane
Concen: 19.079 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

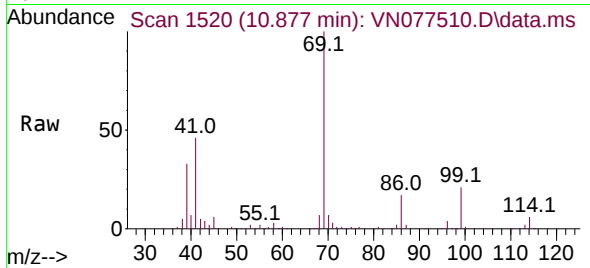
Tgt Ion: 97 Resp: 155529
Ion Ratio Lower Upper
97 100
83 83.3 67.0 100.6
85 53.1 41.6 62.4
99 66.4 47.9 71.9





#51
Ethyl methacrylate
Concen: 19.743 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

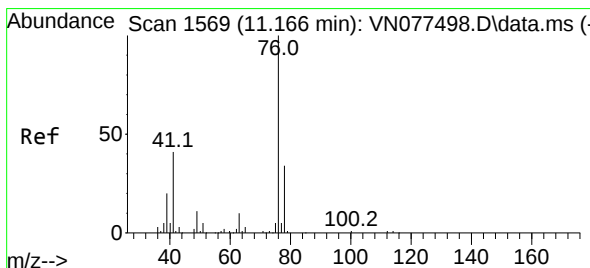
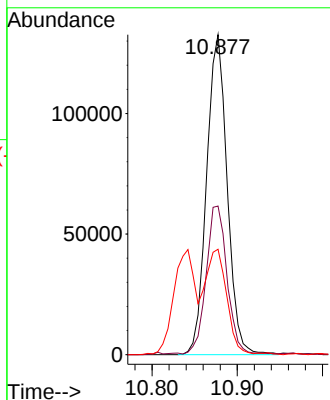
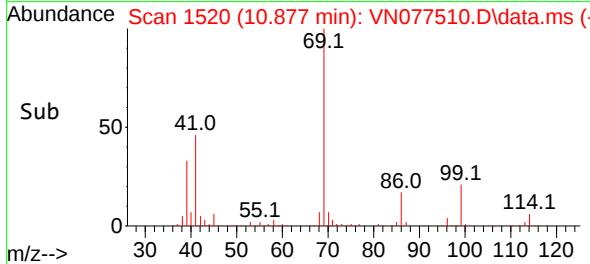
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 69 Resp: 22281
Ion Ratio Lower Upper
69 100
41 46.2 22.5 67.5
39 32.8 16.2 48.5

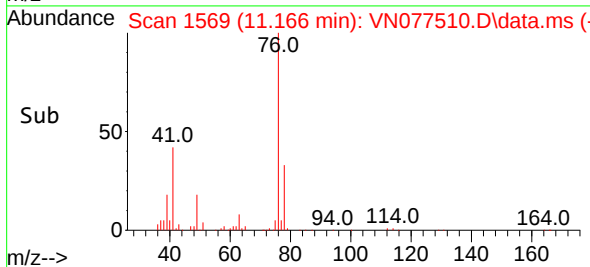
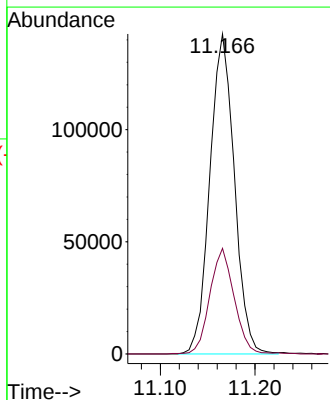
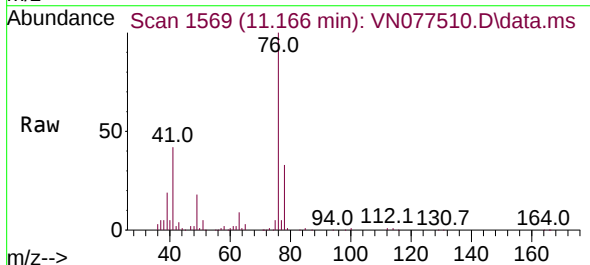
Manual Integrations
APPROVED

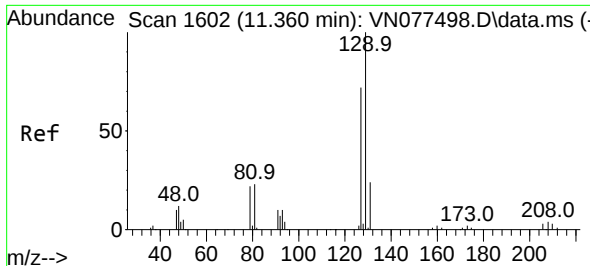
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#52
1,3-Dichloropropane
Concen: 19.389 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

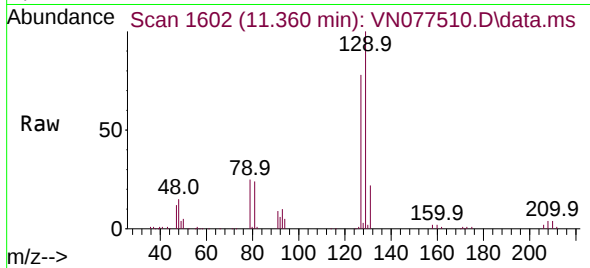
Tgt Ion: 76 Resp: 256486
Ion Ratio Lower Upper
76 100
78 32.3 0.0 64.4





#53
Dibromochloromethane
Concen: 19.472 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

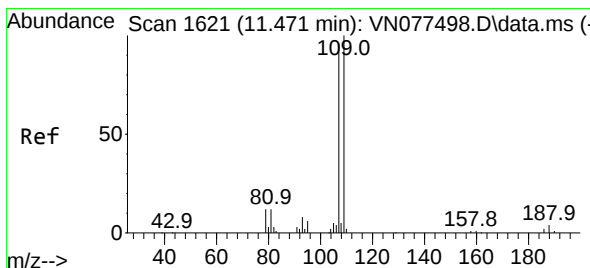
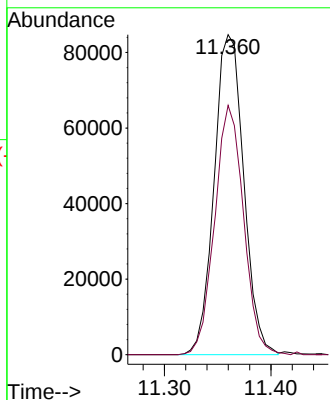
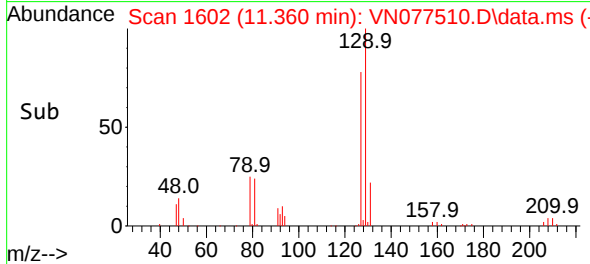
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



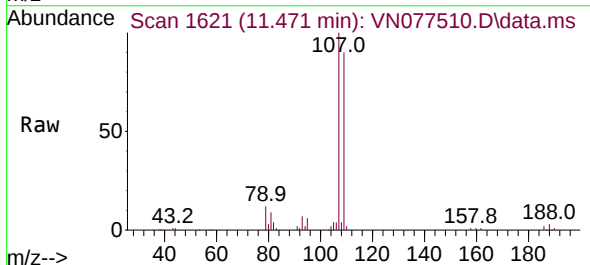
Tgt Ion:129 Resp: 163419
Ion Ratio Lower Upper
129 100
127 76.0 38.2 114.6

Manual Integrations
APPROVED

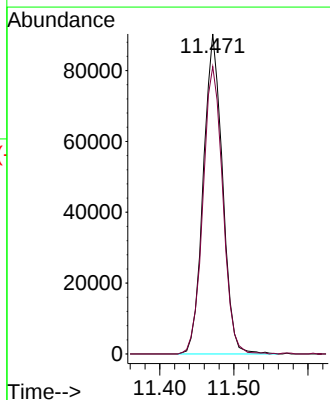
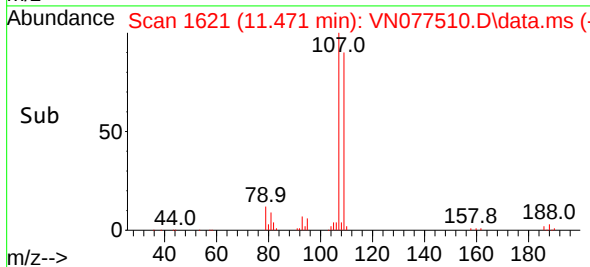
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

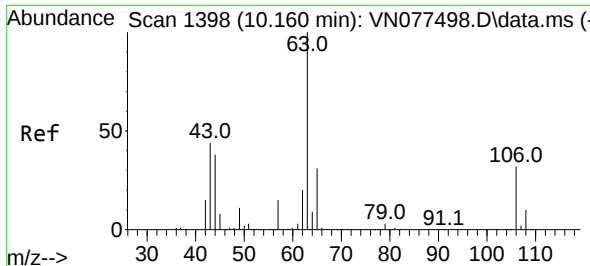


#54
1,2-Dibromoethane
Concen: 19.416 ug/l
RT: 11.471 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30



Tgt Ion:107 Resp: 161967
Ion Ratio Lower Upper
107 100
109 92.7 73.8 110.6





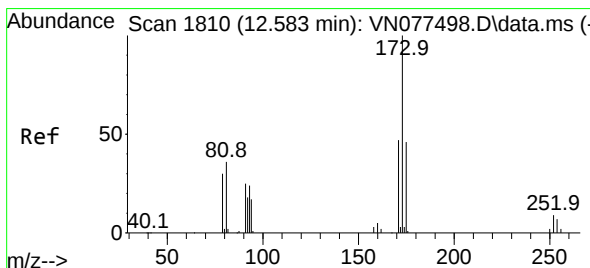
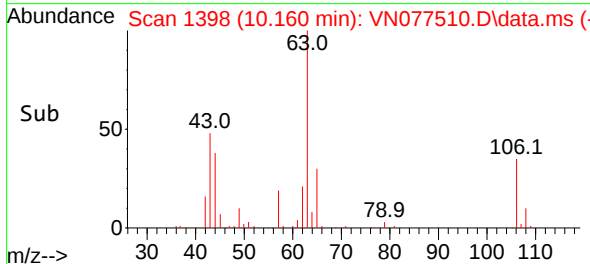
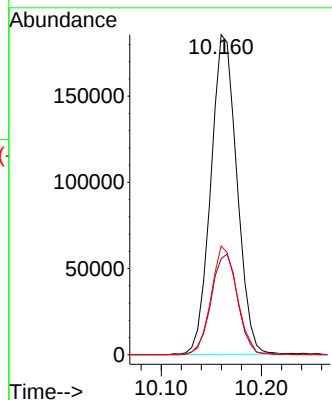
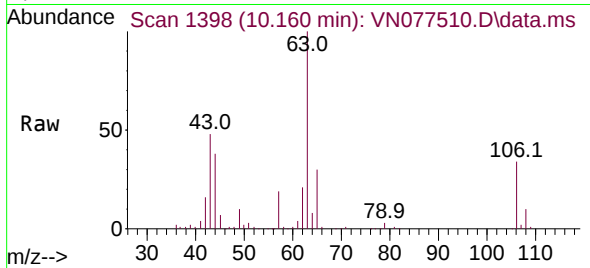
#55
2-Chloroethyl vinyl ether
Concen: 90.463 ug/l
RT: 10.160 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 335010
Ion Ratio Lower Upper
63 100
65 31.9 25.8 38.6
106 33.6 26.2 39.2

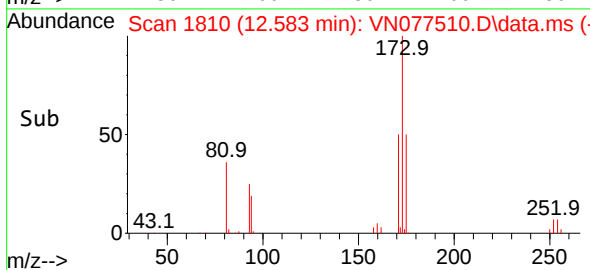
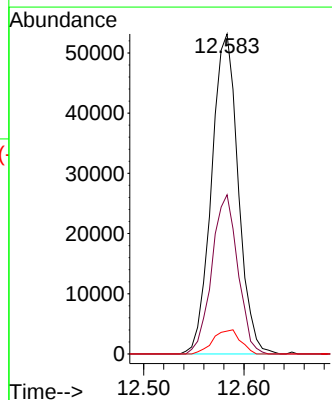
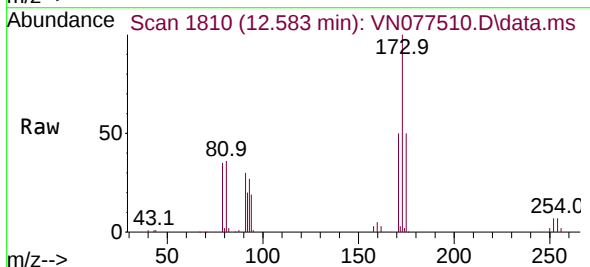
Manual Integrations
APPROVED

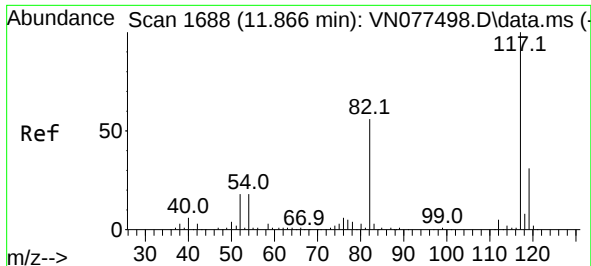
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#56
Bromoform
Concen: 18.753 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

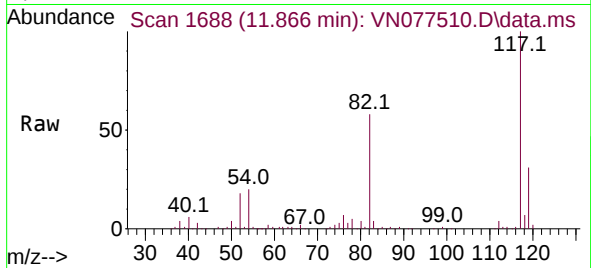
Tgt Ion:173 Resp: 98166
Ion Ratio Lower Upper
173 100
175 48.4 40.3 60.5
254 7.7 5.0 7.6#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

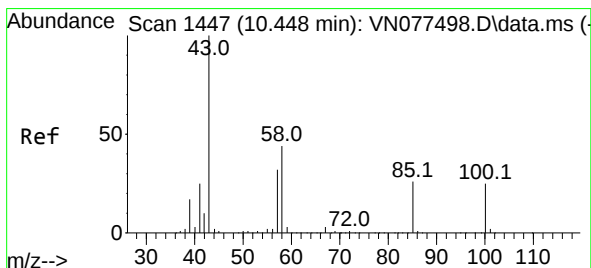
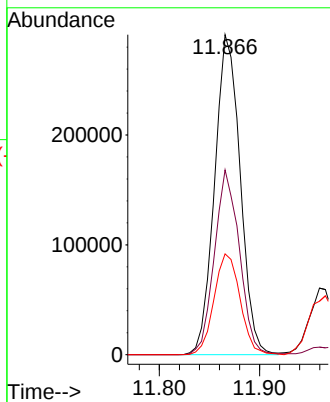
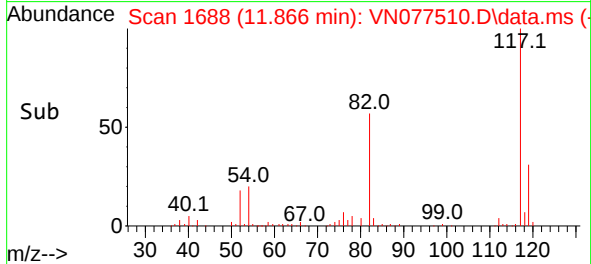
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 117 Resp: 516728
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.2
119 32.1 25.4 38.2

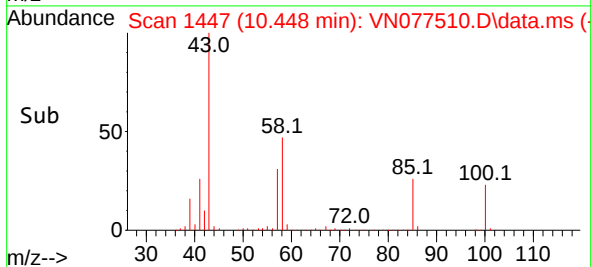
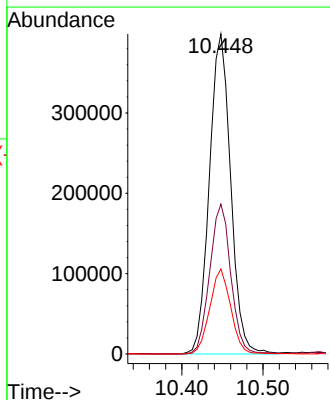
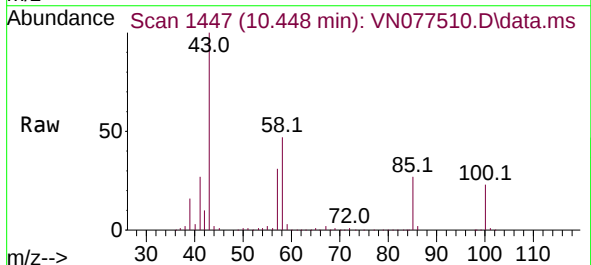
Manual Integrations
APPROVED

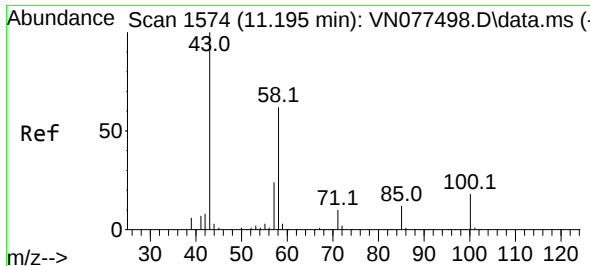
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#58
4-Methyl-2-Pentanone
Concen: 97.747 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

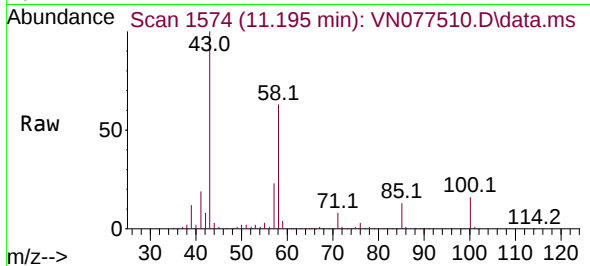
Tgt Ion: 43 Resp: 727397
Ion Ratio Lower Upper
43 100
58 46.1 37.2 55.8
85 26.1 21.1 31.7





#59
2-Hexanone
Concen: 96.007 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

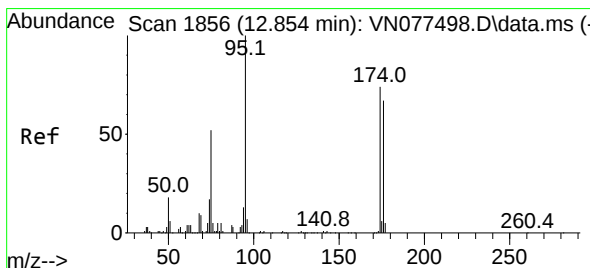
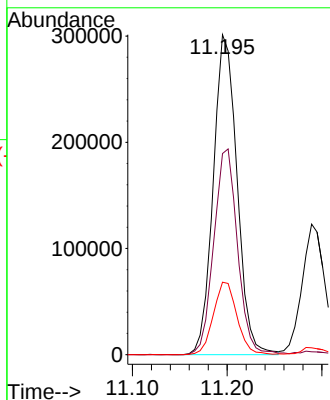
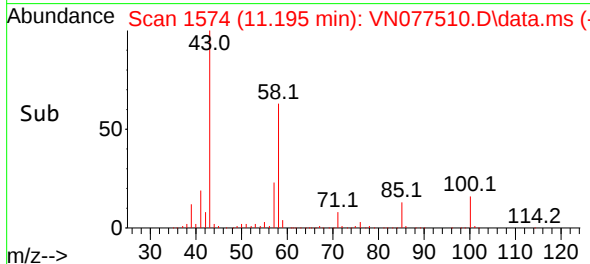
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 52637
Ion Ratio Lower Upper
43 100
58 64.3 51.8 77.8
57 22.5 18.2 27.4

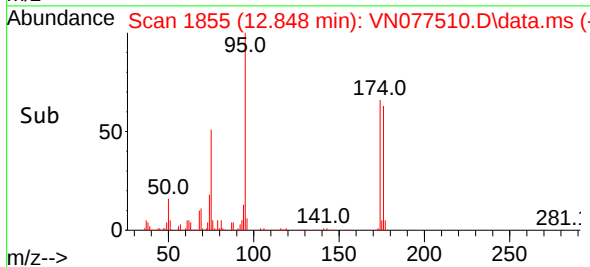
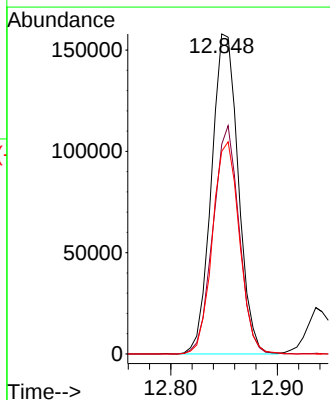
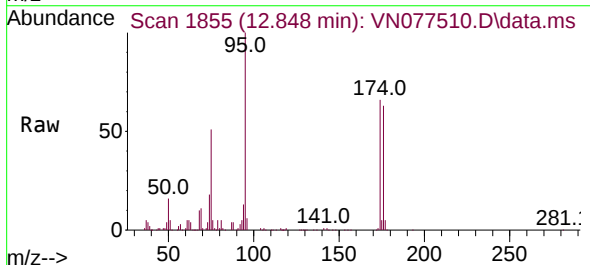
Manual Integrations
APPROVED

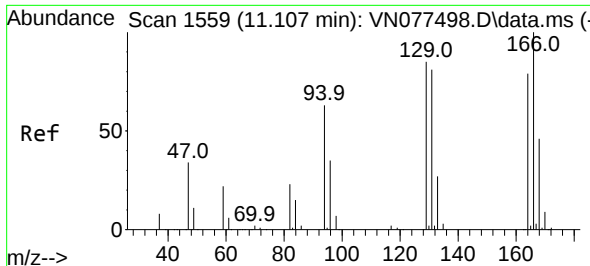
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#60
4-Bromofluorobenzene
Concen: 30.517 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

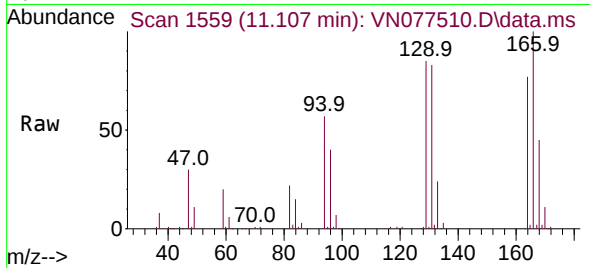
Tgt Ion: 95 Resp: 276268
Ion Ratio Lower Upper
95 100
174 69.2 55.9 83.9
176 66.6 53.9 80.9





#61
Tetrachloroethene
Concen: 19.227 ug/l
RT: 11.107 min Scan# 1159
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

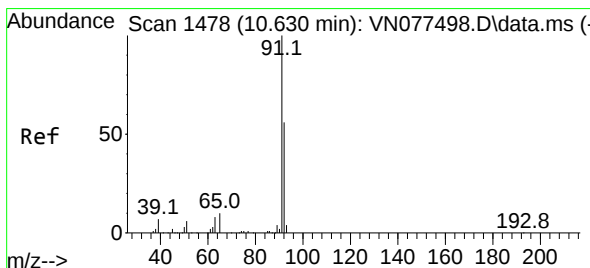
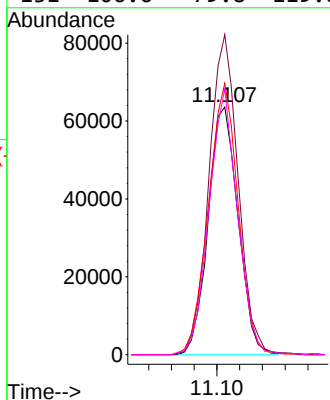
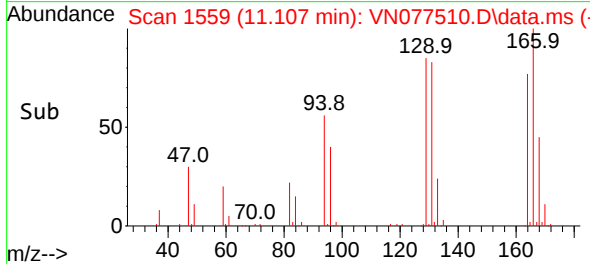
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



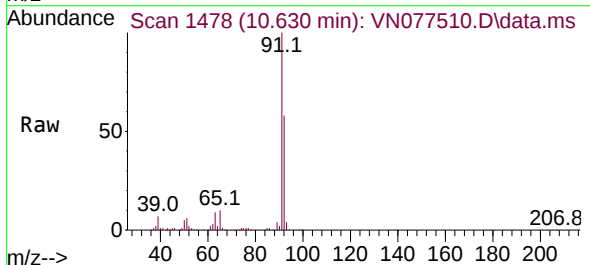
Tgt Ion:164 Resp: 116044
Ion Ratio Lower Upper
164 100
166 128.7 94.5 141.7
129 109.1 80.2 120.2
131 106.6 79.8 119.8

Manual Integrations
APPROVED

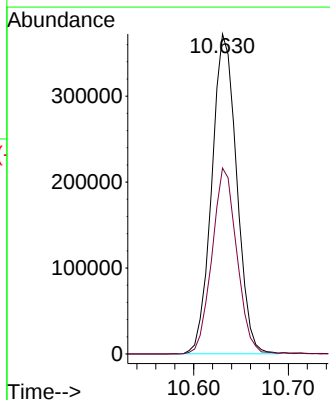
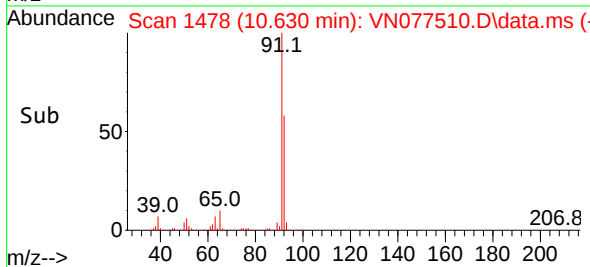
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

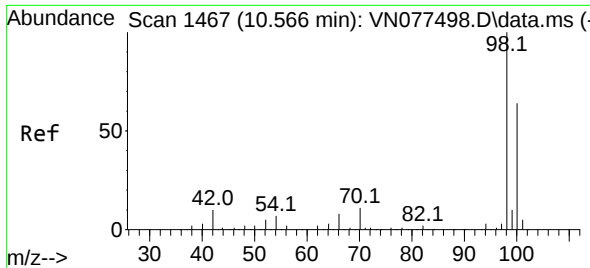


#62
Toluene
Concen: 19.531 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30



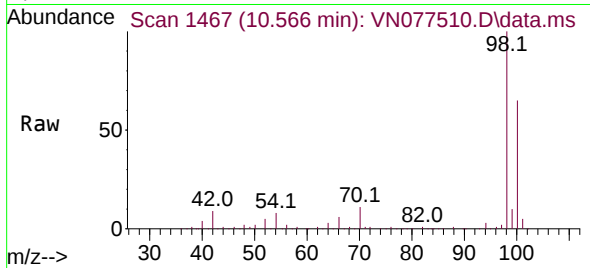
Tgt Ion: 91 Resp: 678742
Ion Ratio Lower Upper
91 100
92 58.0 46.1 69.1





#63
Toluene-d8
Concen: 30.076 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

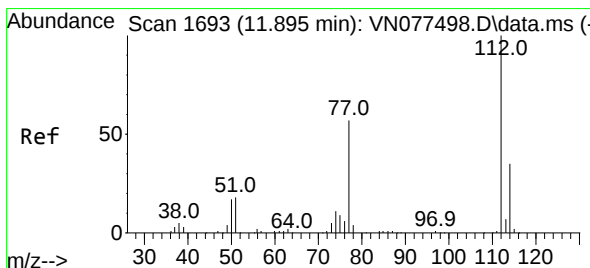
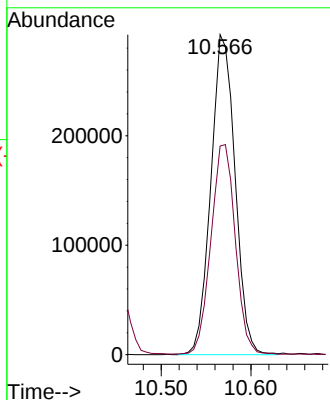
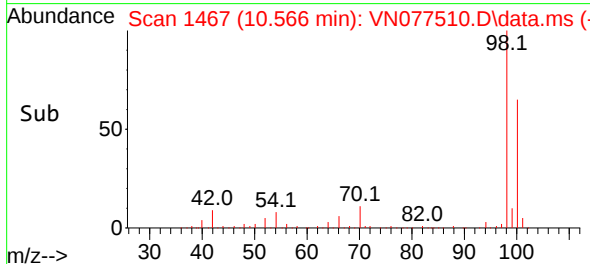
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



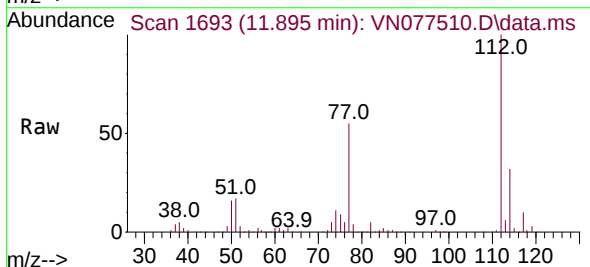
Tgt Ion: 98 Resp: 54763
Ion Ratio Lower Upper
98 100
100 66.3 51.0 76.4

Manual Integrations
APPROVED

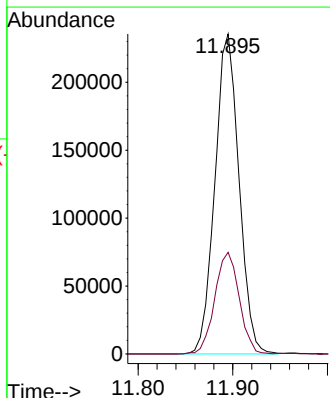
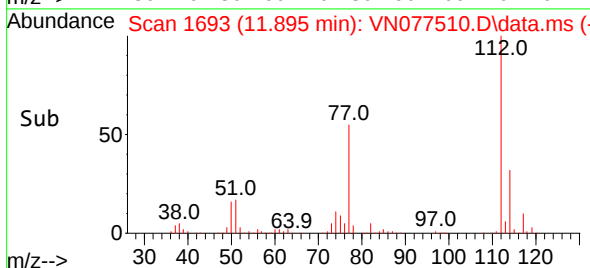
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

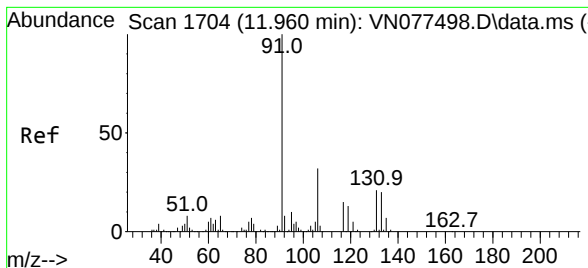


#64
Chlorobenzene
Concen: 19.603 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30



Tgt Ion:112 Resp: 416175
Ion Ratio Lower Upper
112 100
114 31.8 23.9 35.9





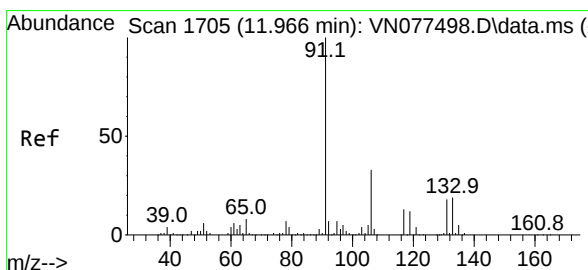
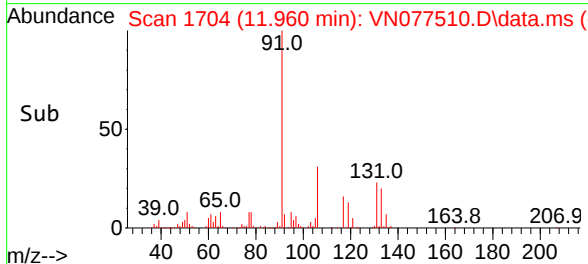
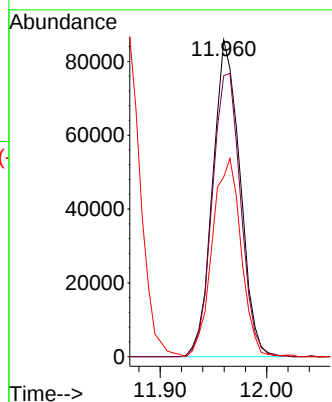
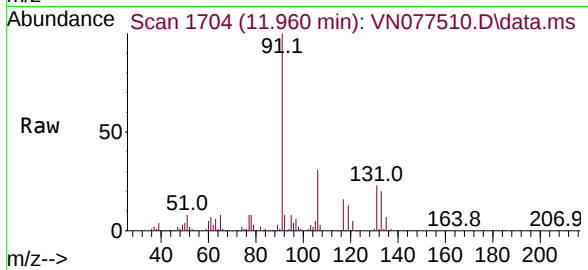
#65
1,1,1,2-Tetrachloroethane
Concen: 20.154 ug/l
RT: 11.960 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 152909
Ion Ratio Lower Upper
131 100
133 92.9 0.0 191.4
119 65.8 0.0 137.2

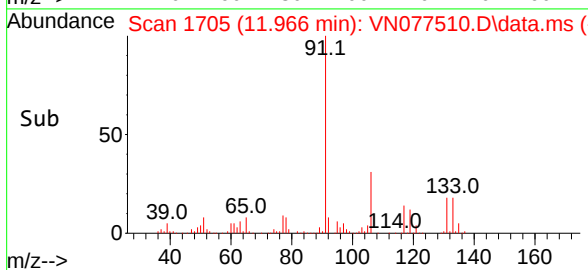
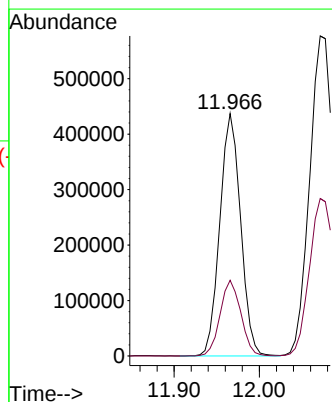
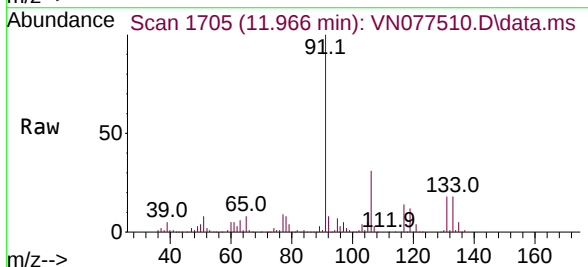
Manual Integrations
APPROVED

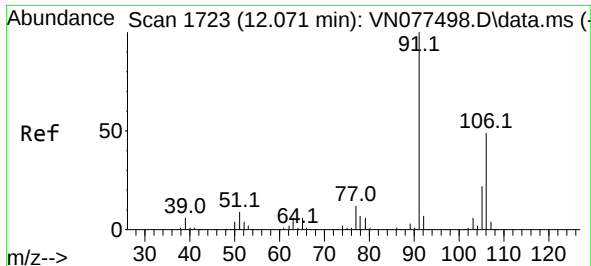
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#66
Ethyl Benzene
Concen: 19.525 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

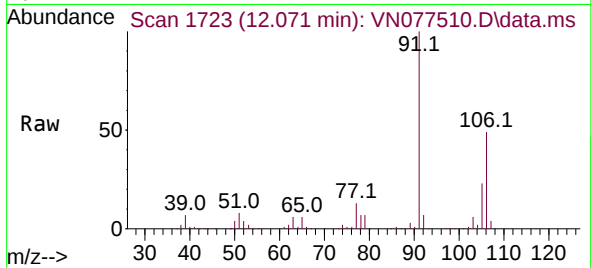
Tgt Ion: 91 Resp: 740914
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3





#67
m/p-Xylenes
Concen: 39.397 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

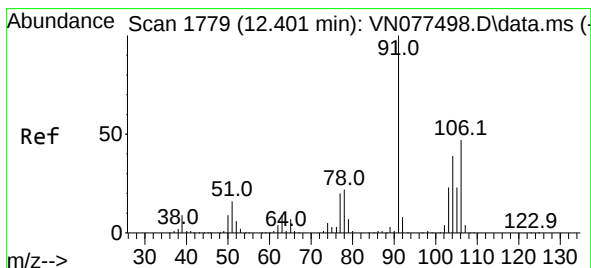
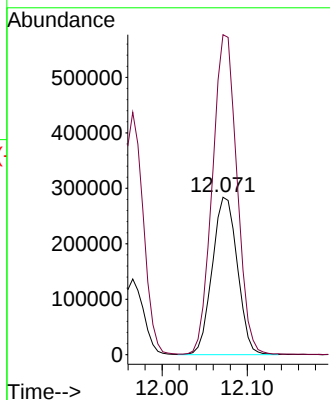
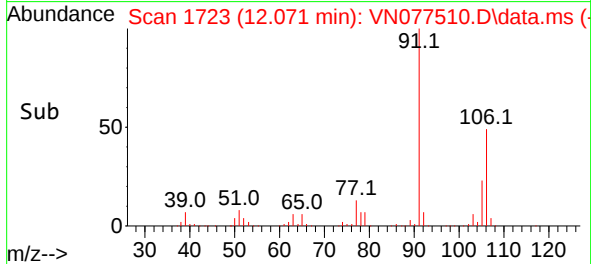
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



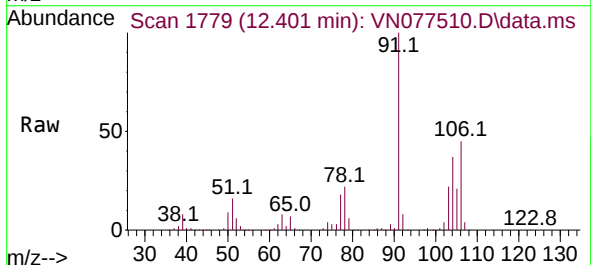
Tgt Ion:106 Resp: 58214
Ion Ratio Lower Upper
106 100
91 199.3 157.9 236.9

Manual Integrations
APPROVED

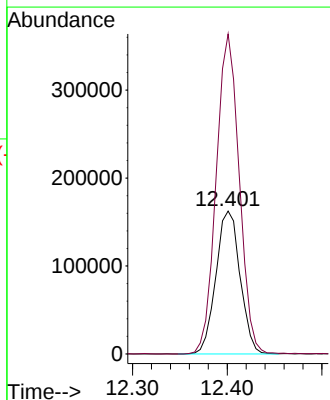
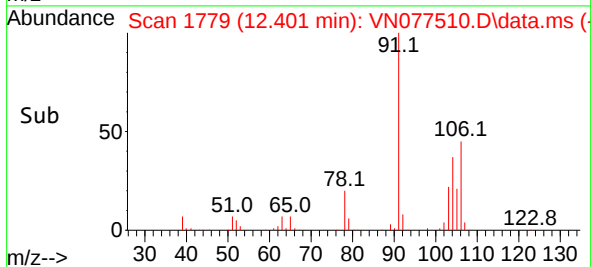
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

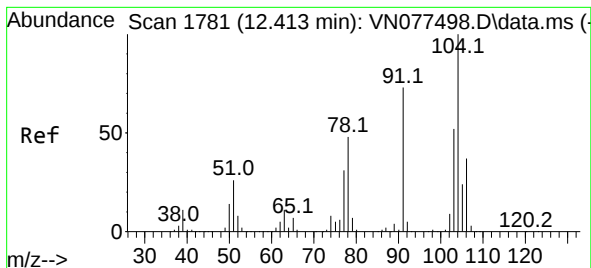


#68
o-Xylene
Concen: 19.668 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30



Tgt Ion:106 Resp: 288685
Ion Ratio Lower Upper
106 100
91 213.1 104.6 313.8





#69

Styrene

Concen: 19.461 ug/l

RT: 12.413 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:104 Resp: 444159

Ion Ratio Lower Upper

104 100

78 49.1 39.3 58.9

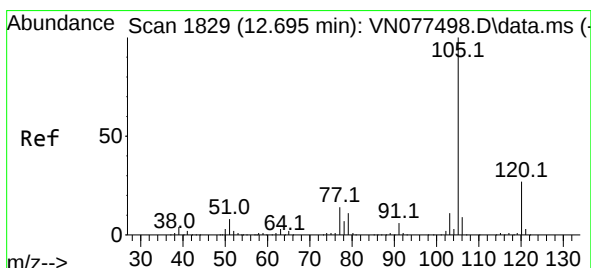
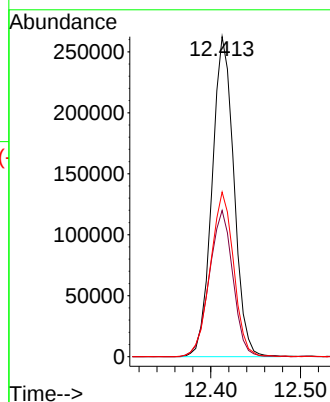
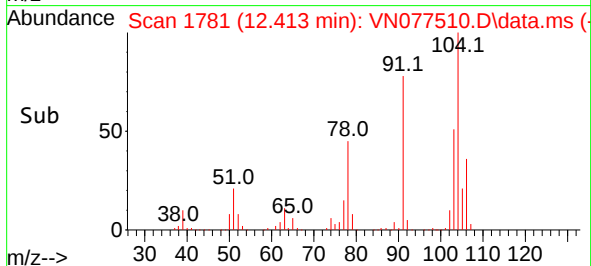
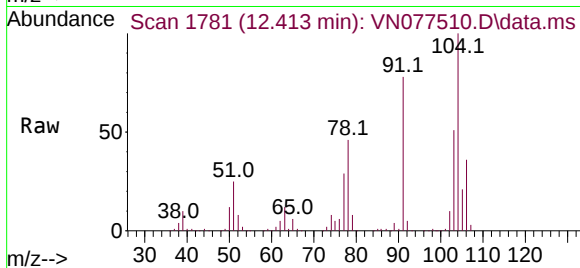
103 55.0 44.6 66.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#70

Isopropylbenzene

Concen: 20.044 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. 0.006 min

Lab File: VN077510.D

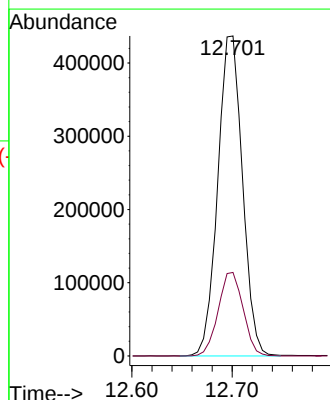
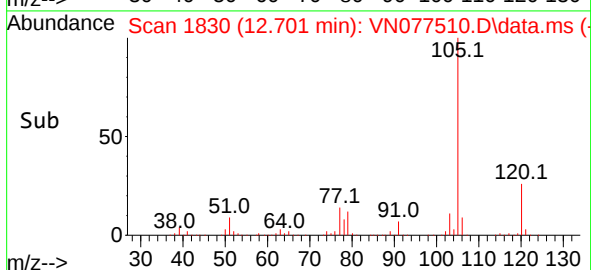
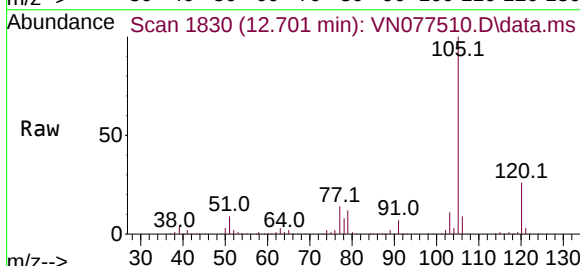
Acq: 28 Apr 2023 19:30

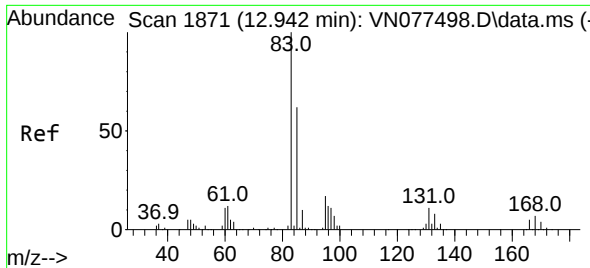
Tgt Ion:105 Resp: 746769

Ion Ratio Lower Upper

105 100

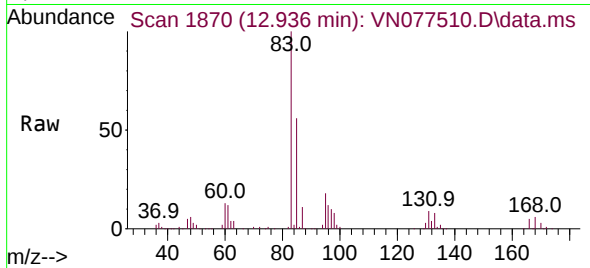
120 26.3 18.7 34.7





#71
1,1,2,2-Tetrachloroethane
Concen: 19.902 ug/l
RT: 12.936 min Scan# 1871
Delta R.T. -0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

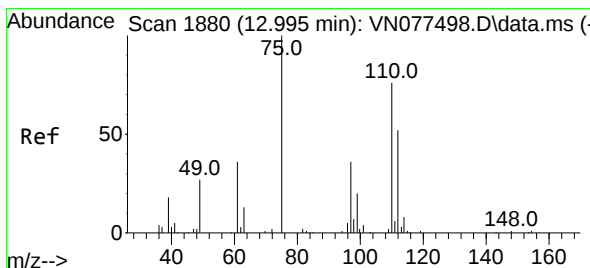
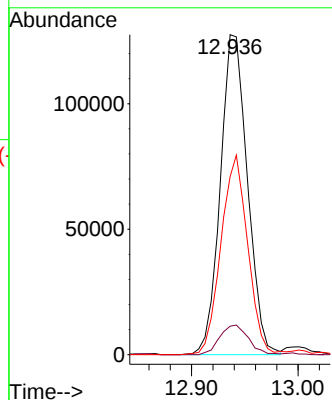
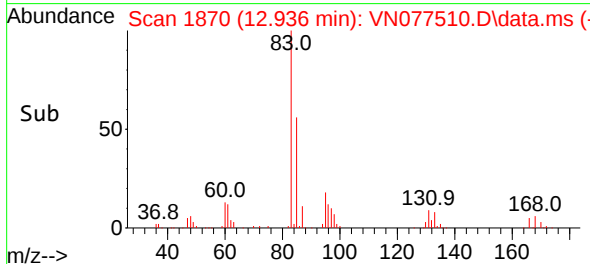
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 22585
Ion Ratio Lower Upper
83 100
131 9.8 4.8 14.3
85 61.1 31.6 94.8

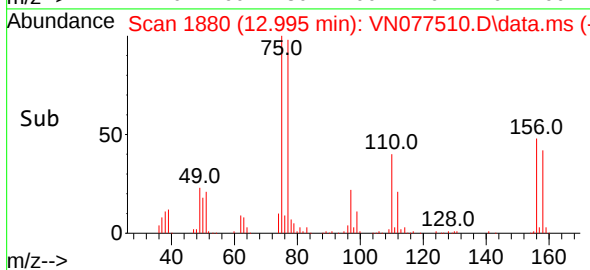
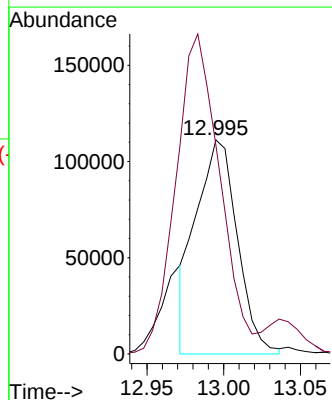
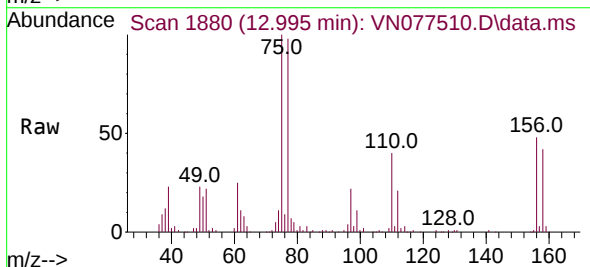
Manual Integrations
APPROVED

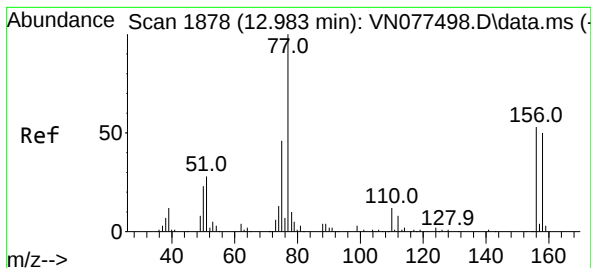
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#72
1,2,3-Trichloropropane
Concen: 21.566 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Tgt Ion: 75 Resp: 208192
Ion Ratio Lower Upper
75 100
77 158.7 0.0 367.2





#73

Bromobenzene

Concen: 19.203 ug/l

RT: 12.983 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

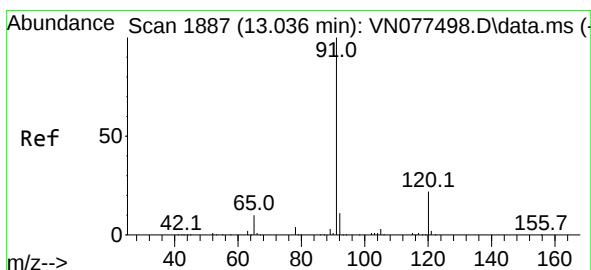
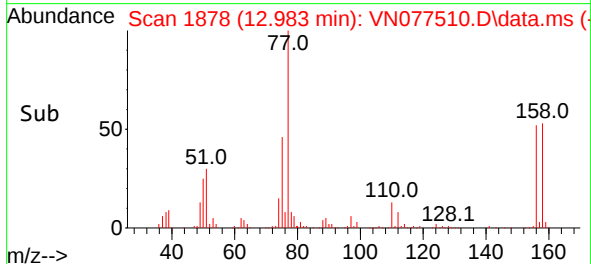
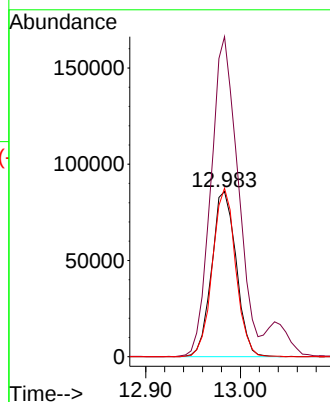
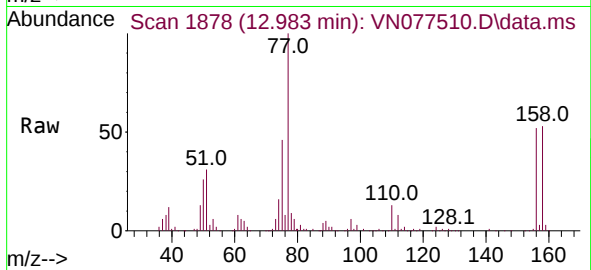
Tgt Ion:	156	Resp:	153849
Ion Ratio	Lower	Upper	
156	100		
77	214.7	0.0	431.6
158	96.6	0.0	192.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#74

n-propylbenzene

Concen: 19.415 ug/l

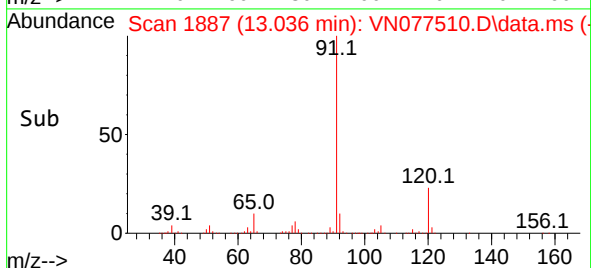
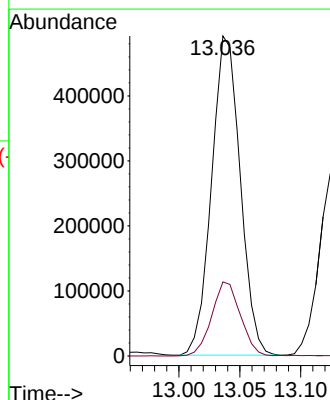
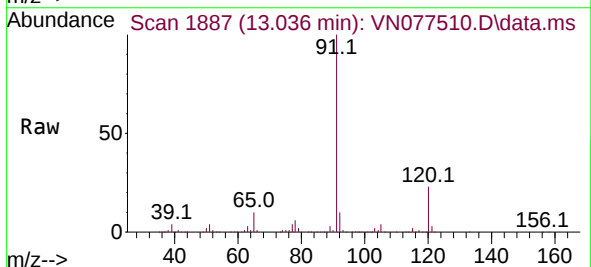
RT: 13.036 min Scan# 1887

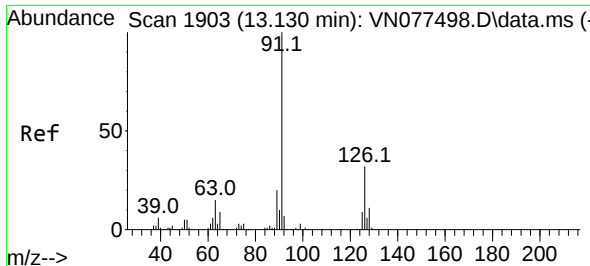
Delta R.T. 0.000 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

Tgt Ion:	91	Resp:	804925
Ion Ratio	Lower	Upper	
91	100		
120	23.2	0.0	46.4





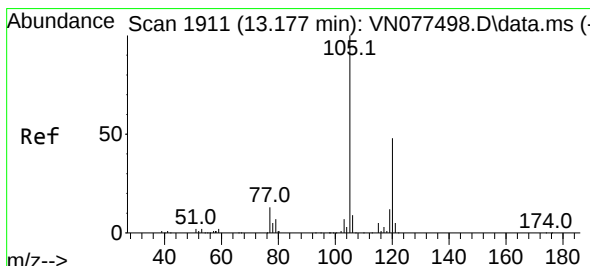
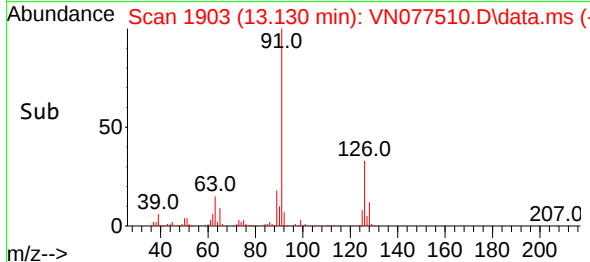
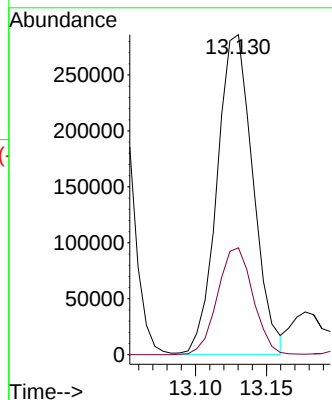
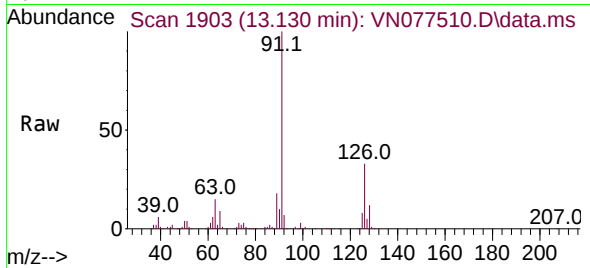
#75
2-Chlorotoluene
Concen: 19.700 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 503762
Ion Ratio Lower Upper
91 100
126 33.0 0.0 65.2

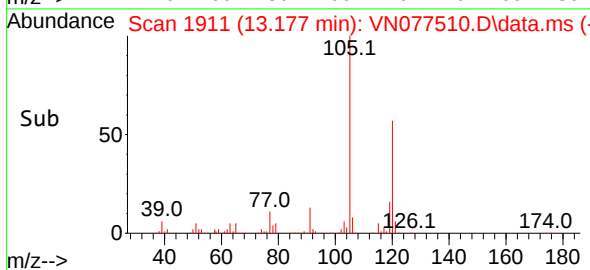
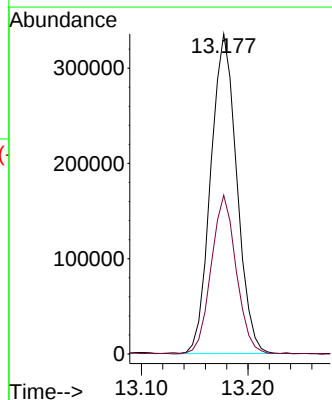
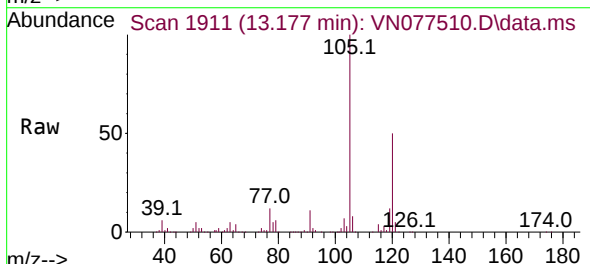
Manual Integrations
APPROVED

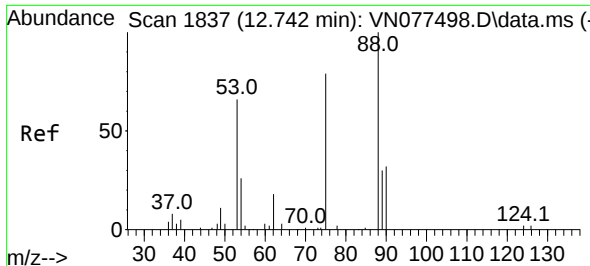
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#76
1,3,5-Trimethylbenzene
Concen: 19.858 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Tgt Ion:105 Resp: 570276
Ion Ratio Lower Upper
105 100
120 47.7 0.0 93.8





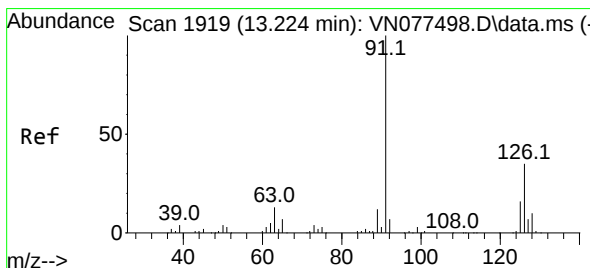
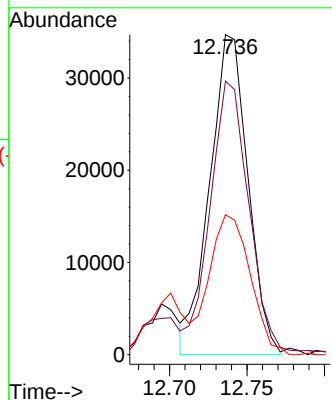
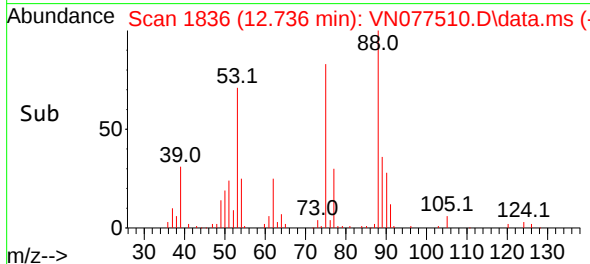
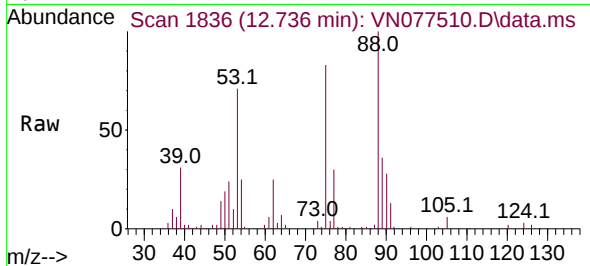
#77
t-1,4-Dichloro-2-butene
Concen: 18.592 ug/l
RT: 12.736 min Scan# 1836
Delta R.T. -0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 5928
Ion Ratio Lower Upper
75 100
53 83.8 38.2 114.6
89 41.9 22.1 66.1

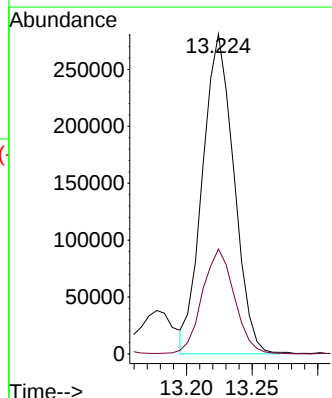
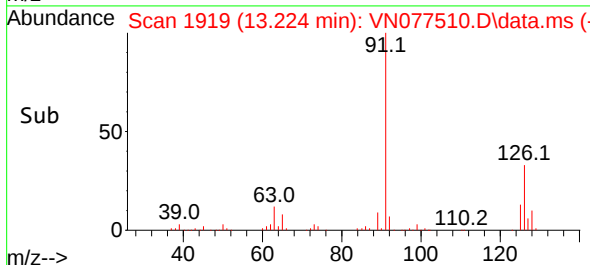
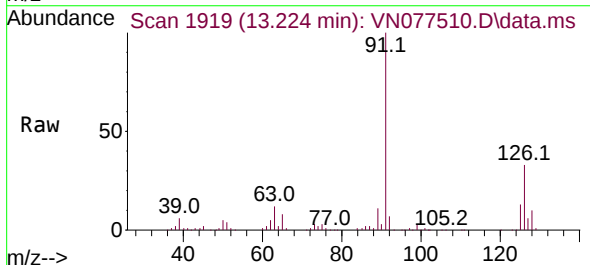
Manual Integrations
APPROVED

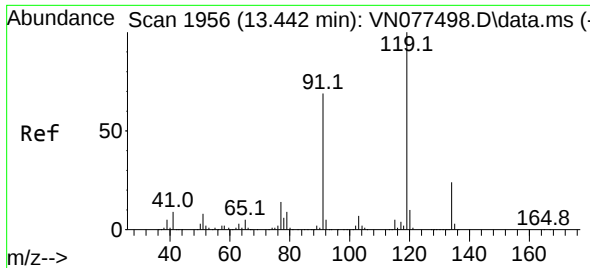
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#78
4-Chlorotoluene
Concen: 19.334 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

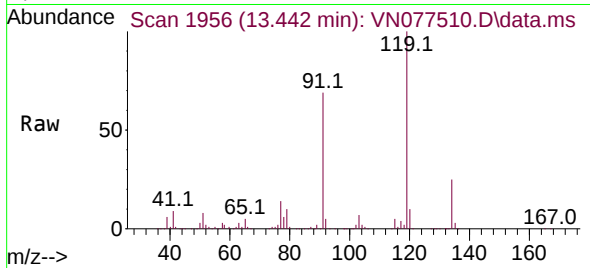
Tgt Ion: 91 Resp: 468059
Ion Ratio Lower Upper
91 100
126 33.6 0.0 65.6





#79
tert-butylbenzene
Concen: 20.012 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

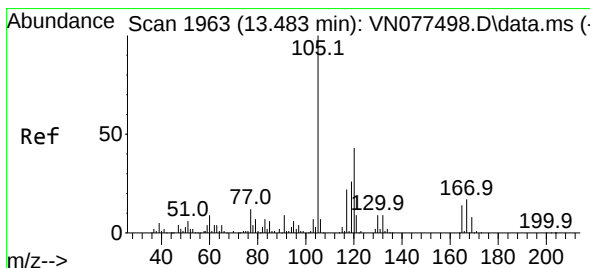
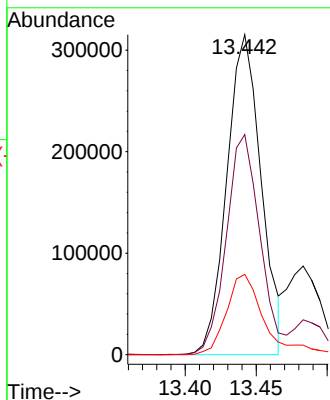
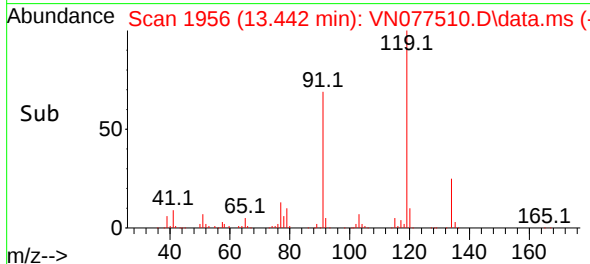
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



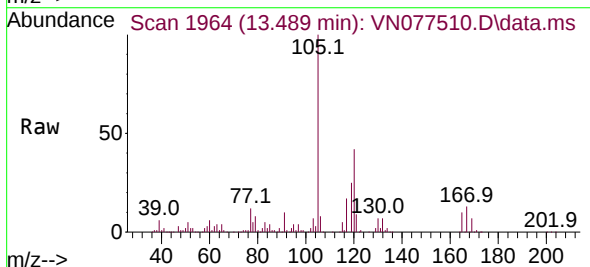
Tgt Ion:119 Resp: 531650
Ion Ratio Lower Upper
119 100
91 67.9 0.0 139.4
134 25.3 0.0 49.2

Manual Integrations
APPROVED

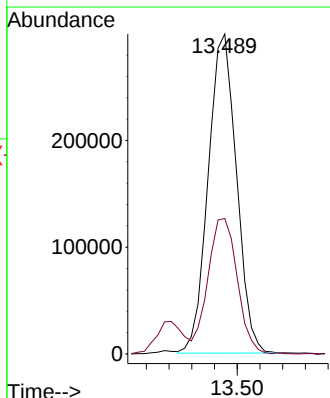
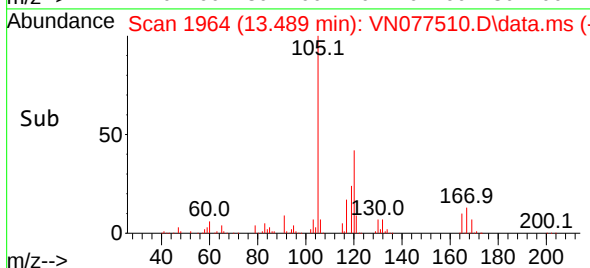
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

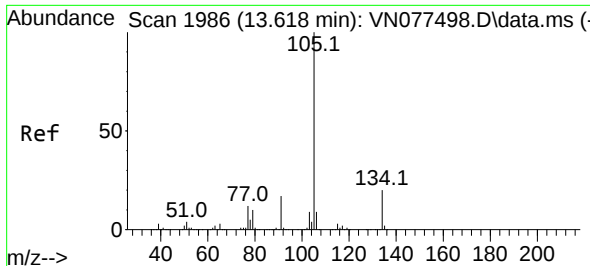


#80
1,2,4-Trimethylbenzene
Concen: 19.590 ug/l
RT: 13.489 min Scan# 1964
Delta R.T. 0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30



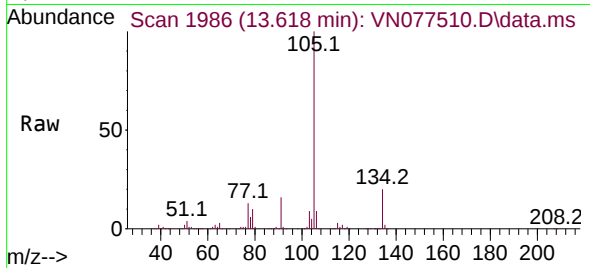
Tgt Ion:105 Resp: 517426
Ion Ratio Lower Upper
105 100
120 43.9 0.0 87.8





#81
 sec-Butylbenzene
 Concen: 19.567 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN077510.D
 Acq: 28 Apr 2023 19:30

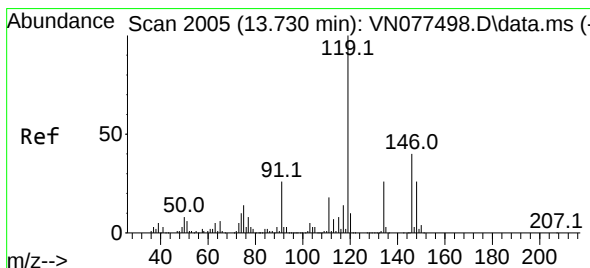
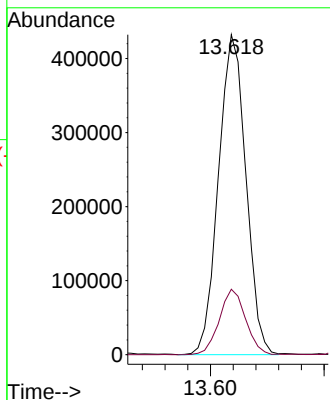
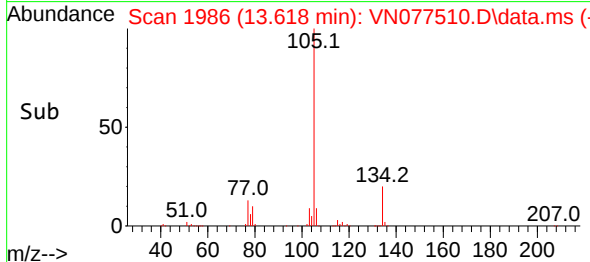
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



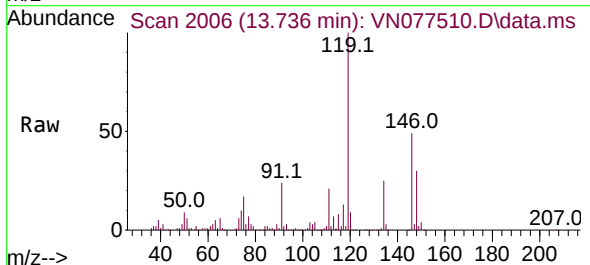
Tgt Ion:105 Resp: 72467
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 38.4

Manual Integrations
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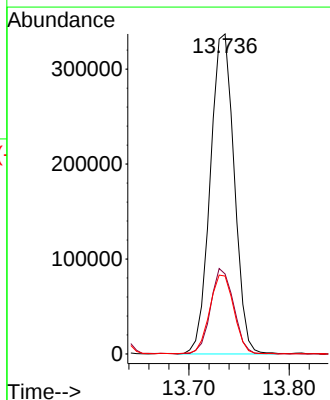
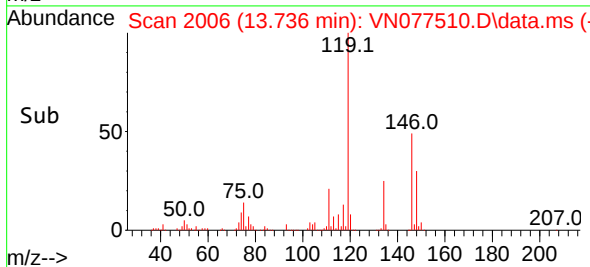
Reviewed By :John Carlone 04/29/2023
 Supervised By :Semsettin Yesilyurt 04/29/2023

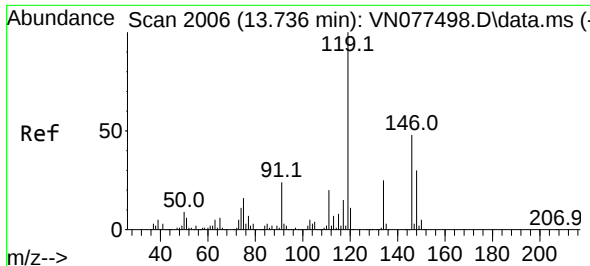


#82
 p-Isopropyltoluene
 Concen: 19.300 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. 0.006 min
 Lab File: VN077510.D
 Acq: 28 Apr 2023 19:30



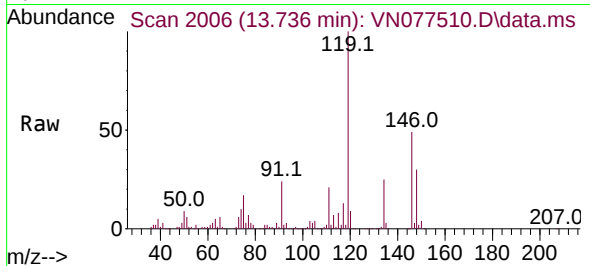
Tgt Ion:119 Resp: 560137
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 52.4
 91 24.9 0.0 50.6





#83
1,3-Dichlorobenzene
Concen: 19.367 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

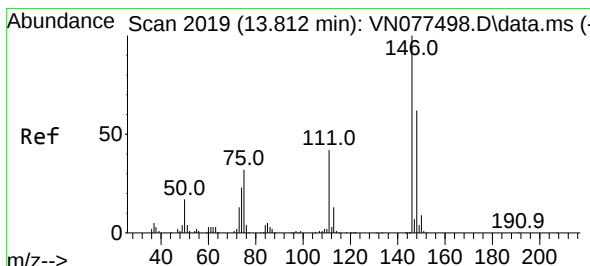
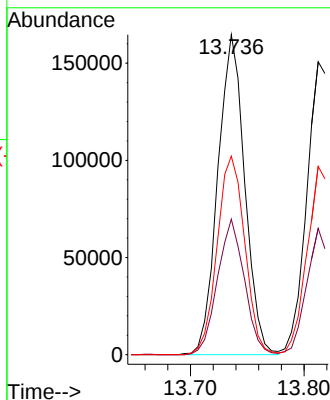
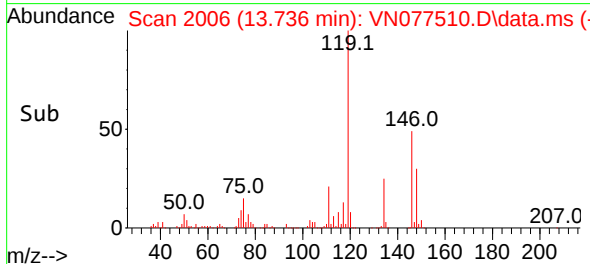
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:146 Resp: 271449
Ion Ratio Lower Upper
146 100
111 42.3 22.1 66.5
148 63.7 31.8 95.4

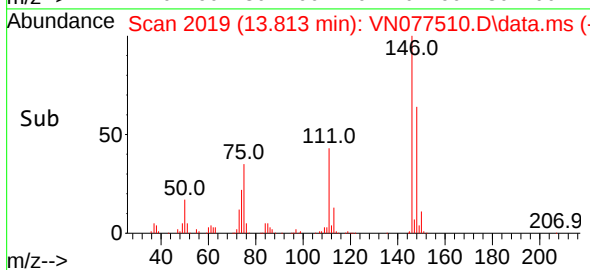
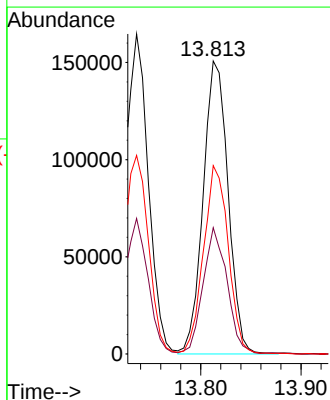
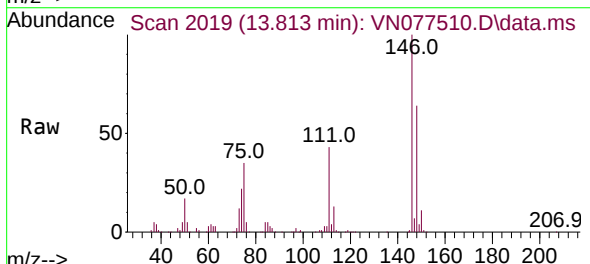
Manual Integrations
APPROVED

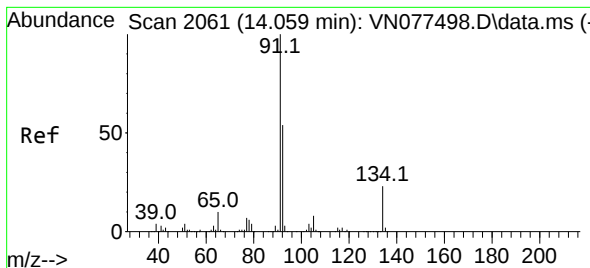
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#84
1,4-Dichlorobenzene
Concen: 18.860 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Tgt Ion:146 Resp: 261194
Ion Ratio Lower Upper
146 100
111 41.1 20.9 62.7
148 63.9 31.6 94.7





#85

n-Butylbenzene

Concen: 18.266 ug/l

RT: 14.060 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

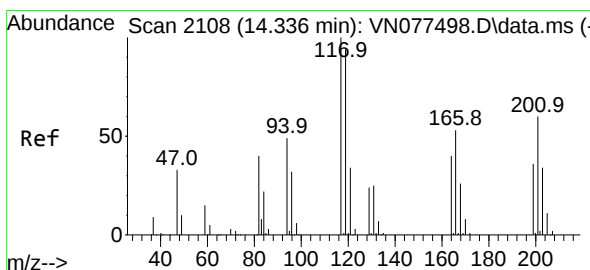
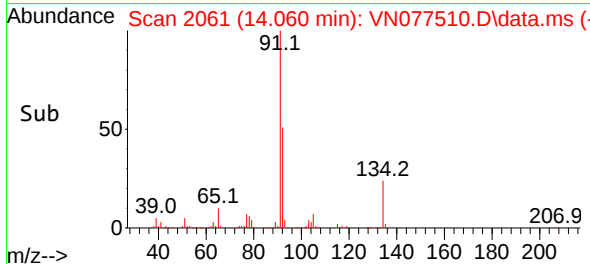
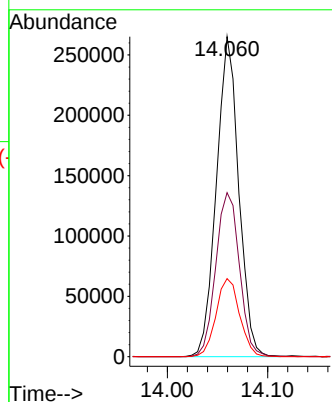
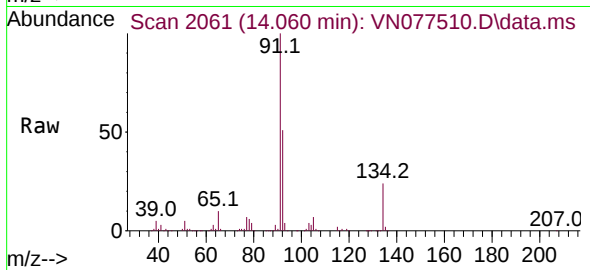
Tgt Ion: 91 Resp: 409658
 Ion Ratio Lower Upper
 91 100
 92 54.2 0.0 108.4
 134 25.8 0.0 50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#86

Hexachloroethane

Concen: 19.804 ug/l

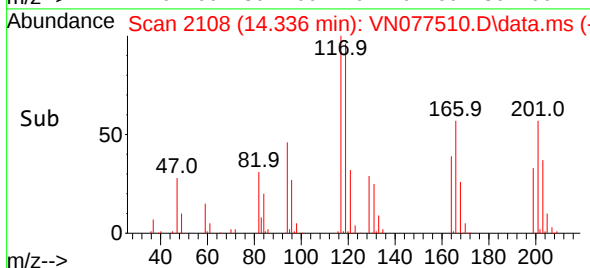
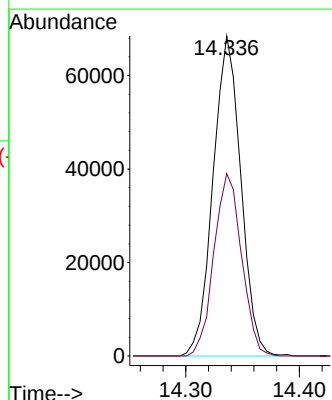
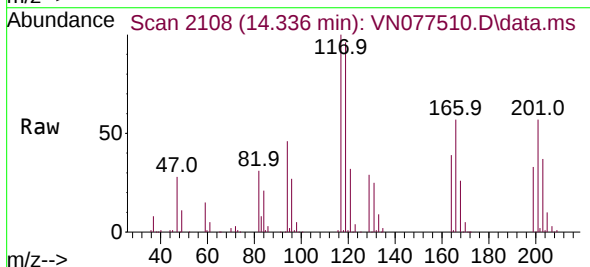
RT: 14.336 min Scan# 2108

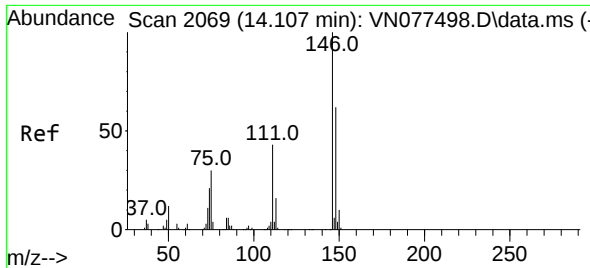
Delta R.T. 0.000 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

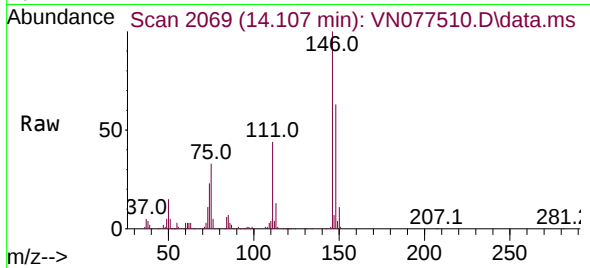
Tgt Ion:117 Resp: 116430
 Ion Ratio Lower Upper
 117 100
 201 56.6 27.4 82.2





#87
1,2-Dichlorobenzene
Concen: 18.979 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

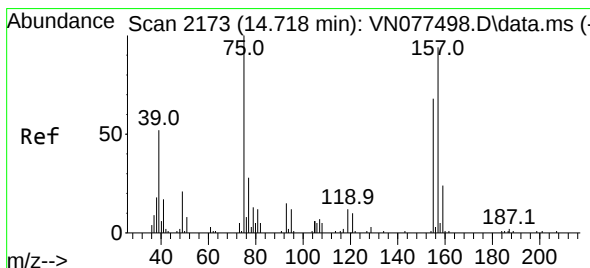
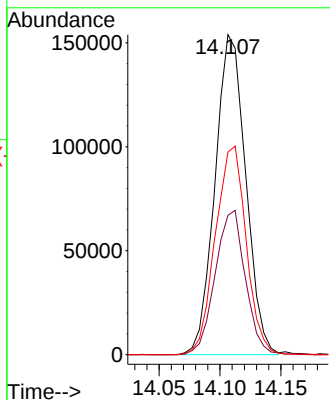
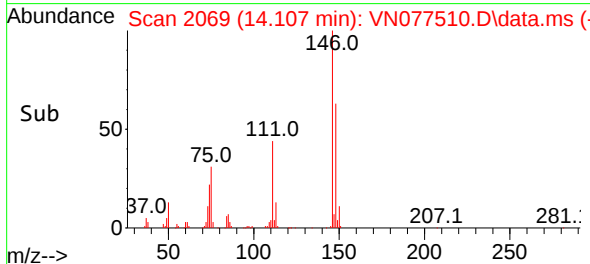
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:146 Resp: 270628
Ion Ratio Lower Upper
146 100
111 44.2 22.3 66.9
148 65.4 32.4 97.2

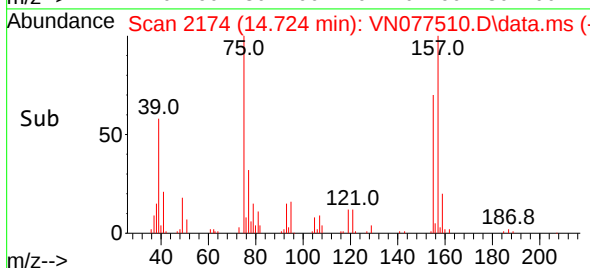
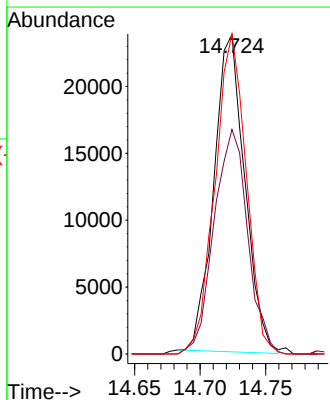
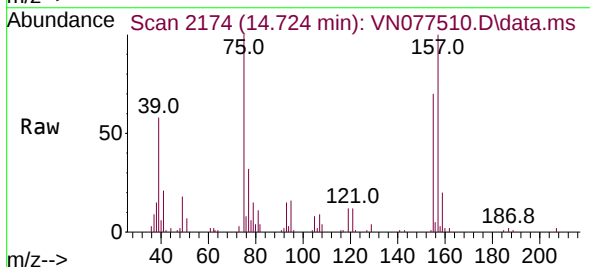
Manual Integrations
APPROVED

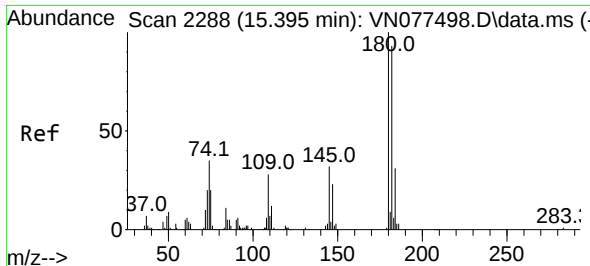
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 18.506 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. 0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Tgt Ion: 75 Resp: 38821
Ion Ratio Lower Upper
75 100
155 77.1 63.0 94.4
157 101.9 79.5 119.3





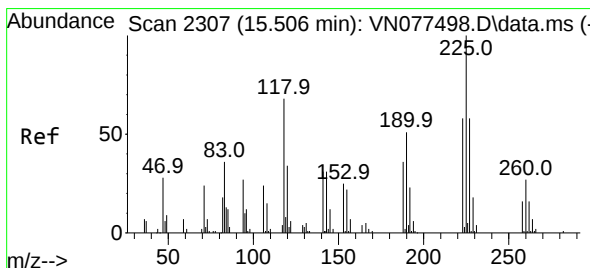
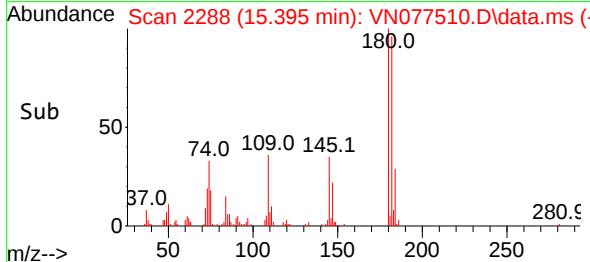
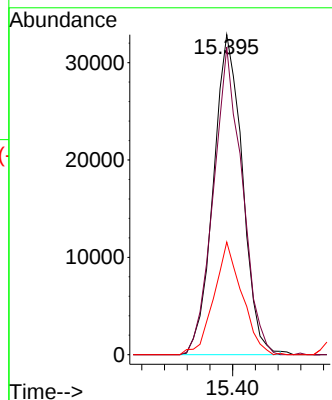
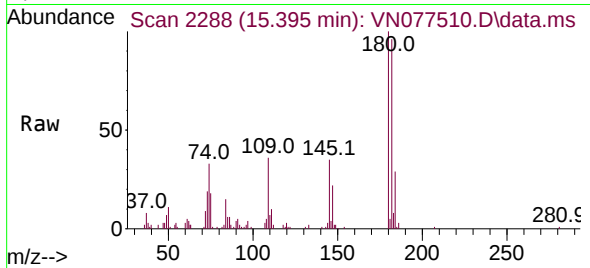
#89
1,2,4-Trichlorobenzene
Concen: 15.575 ug/l
RT: 15.395 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:180 Resp: 58292
Ion Ratio Lower Upper
180 100
182 94.9 78.7 118.1
145 34.0 28.8 43.2

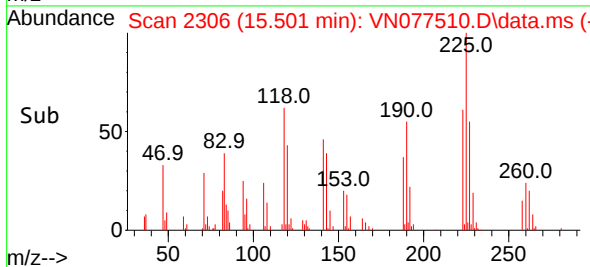
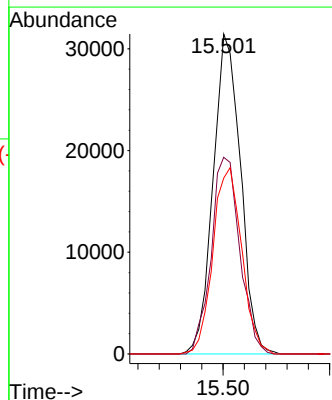
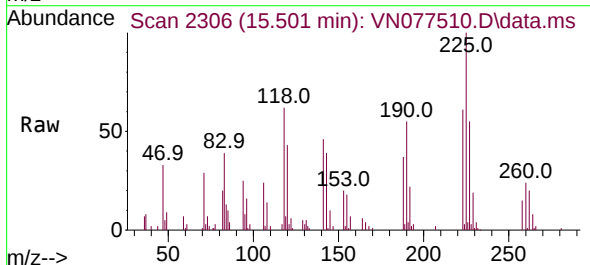
Manual Integrations
APPROVED

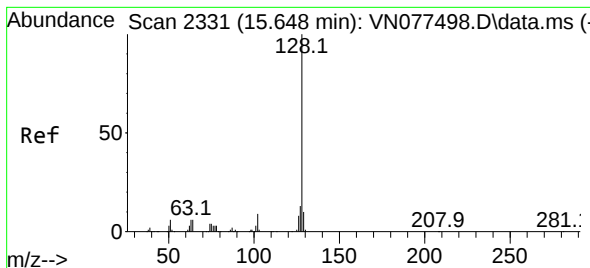
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#90
Hexachlorobutadiene
Concen: 18.450 ug/l
RT: 15.501 min Scan# 2306
Delta R.T. -0.006 min
Lab File: VN077510.D
Acq: 28 Apr 2023 19:30

Tgt Ion:225 Resp: 56160
Ion Ratio Lower Upper
225 100
223 64.2 0.0 124.2
227 61.2 0.0 119.2





#91

Naphthalene

Concen: 15.693 ug/l

RT: 15.642 min Scan# 214410

Delta R.T. -0.006 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:128 Resp: 214410

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

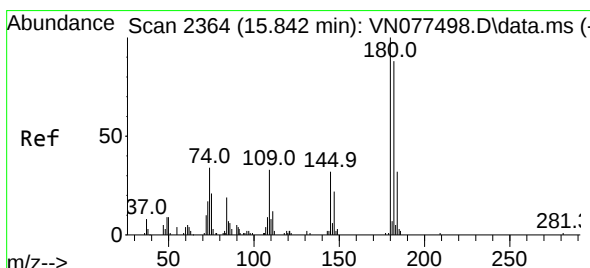
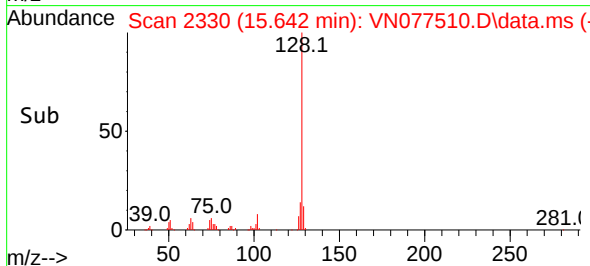
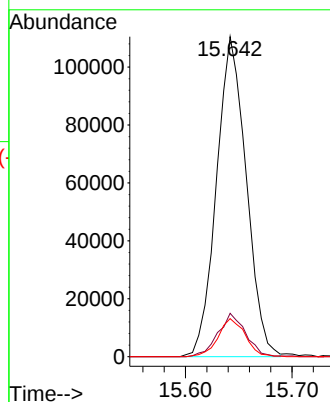
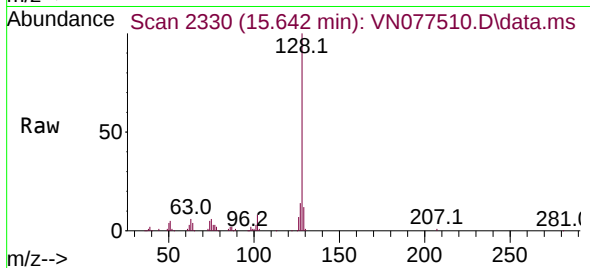
129 10.9 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#92

1,2,3-Trichlorobenzene

Concen: 16.064 ug/l

RT: 15.848 min Scan# 2365

Delta R.T. 0.006 min

Lab File: VN077510.D

Acq: 28 Apr 2023 19:30

Tgt Ion:180 Resp: 56251

Ion Ratio Lower Upper

180 100

182 92.9 0.0 198.0

145 36.0 0.0 80.2

