

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042823\
 Data File : VN077505.D
 Acq On : 28 Apr 2023 17:05
 Operator : JC\MD
 Sample : VN0428WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Apr 28 19:04:36 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	69669	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	512788	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	548058	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	184958	29.779	ug/l	-0.01
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.267%		
60) 4-Bromofluorobenzene	12.854	95	287466	29.939	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.800%		
63) Toluene-d8	10.571	98	580096	30.038	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.133%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	174606	20.131	ug/l	100
3) Chloromethane	2.372	50	123634	19.295	ug/l	94
4) Vinyl Chloride	2.525	62	171346	19.227	ug/l	93
5) Bromomethane	2.966	94	137190	18.237	ug/l	100
6) Chloroethane	3.137	64	112489	17.528	ug/l	97
7) Trichlorofluoromethane	3.507	101	291563	22.185	ug/l	99
8) Diethyl Ether	3.966	74	94567	20.563	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.384	101	147707	19.886	ug/l	69
10) 1,1-Dichloroethene	4.354	96	141531	19.862	ug/l	95
11) Methyl Iodide	4.601	142	171044	19.566	ug/l	99
12) Methyl Acetate	5.037	43	202478	19.702	ug/l	95
13) Acrolein	4.184	56	122740	99.610	ug/l	99
14) Acrylonitrile	5.725	53	310346	98.431	ug/l	96
15) Acetone	4.437	58	97068	96.425	ug/l	93
16) Carbon Disulfide	4.719	76	341165	19.092	ug/l	97
17) Allyl chloride	5.037	41	151247	19.357	ug/l	99
18) Methylene Chloride	5.284	84	162653	19.349	ug/l	97
19) trans-1,2-Dichloroethene	5.789	96	152393	19.355	ug/l	94
20) Diisopropyl ether	6.678	45	356611	19.606	ug/l	95
21) 1,1-Dichloroethane	6.578	63	258843	19.473	ug/l	96
22) cis-1,2-Dichloroethene	7.489	96	188429	19.982	ug/l	99
23) tert-Butyl Alcohol	5.531	59	129860	95.470	ug/l #	100
24) Methyl tert-Butyl Ether	5.807	73	493820	19.979	ug/l	98
25) Chloroform	7.972	83	303450	19.862	ug/l	96
26) Cyclohexane	8.260	56	208609	19.239	ug/l #	95
29) 1,1-Dichloropropene	8.377	75	213297	19.733	ug/l	99
30) 2-Butanone	7.489	43	376722	95.062	ug/l	99
31) 2,2-Dichloropropane	7.501	77	251966	19.923	ug/l #	81
32) 1,1,1-Trichloroethane	8.172	97	285487	20.463	ug/l	98
33) Carbon Tetrachloride	8.366	117	238039	19.657	ug/l	90
34) Benzene	8.613	78	654475	19.689	ug/l	98
35) Methacrylonitrile	7.783	41	74828	18.493	ug/l	86
36) 1,2-Dichloroethane	8.672	62	227105	20.005	ug/l	100
37) Trichloroethene	9.354	130	165884	19.744	ug/l	98
38) Methylcyclohexane	9.601	83	285032	20.072	ug/l	99
39) 1,2-Dichloropropane	9.624	63	154568	20.076	ug/l	98
40) Dibromomethane	9.713	93	117738	19.391	ug/l	98
41) Bromodichloromethane	9.889	83	239358	19.960	ug/l	98
42) Vinyl Acetate	6.613	43	1309250m	104.901	ug/l	

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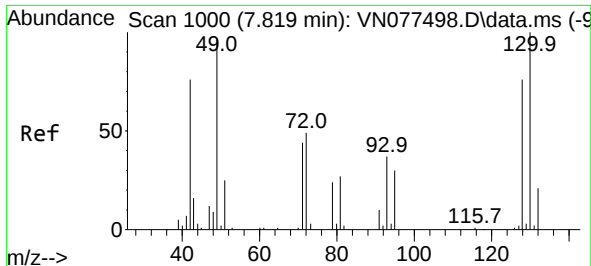
Manual Integrations
 APPROVED

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

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.572	43	160907	20.977	ug/l #	79
44) Isopropyl Acetate	8.689	43	270646	19.918	ug/l	96
45) 1,4-Dioxane	9.701	88	63550	385.656	ug/l #	94
46) Methyl methacrylate	9.683	41	118044	19.089	ug/l	96
47) n-amyl Acetate	12.495	43	215134	19.751	ug/l	99
48) t-1,3-Dichloropropene	10.836	75	245470	20.106	ug/l	97
49) cis-1,3-Dichloropropene	10.313	75	263154	19.967	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	174607	20.258	ug/l	97
51) Ethyl methacrylate	10.877	69	242202	20.297	ug/l	96
52) 1,3-Dichloropropane	11.166	76	281287	20.111	ug/l	99
53) Dibromochloromethane	11.360	129	177679	20.023	ug/l	100
54) 1,2-Dibromoethane	11.471	107	173511	19.671	ug/l	98
55) 2-Chloroethyl vinyl ether	10.160	63	382495	97.682	ug/l	98
56) Bromoform	12.583	173	106121	19.173	ug/l #	98
58) 4-Methyl-2-Pentanone	10.448	43	801344	101.528	ug/l	100
59) 2-Hexanone	11.195	43	592253	101.848	ug/l	100
61) Tetrachloroethene	11.107	164	128359	20.051	ug/l	99
62) Toluene	10.636	91	760002	20.619	ug/l	99
64) Chlorobenzene	11.895	112	453975	20.161	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.960	131	165583	20.577	ug/l	98
66) Ethyl Benzene	11.965	91	827007	20.548	ug/l	100
67) m/p-Xylenes	12.071	106	639625	40.812	ug/l	98
68) o-Xylene	12.401	106	321498	20.652	ug/l	99
69) Styrene	12.413	104	494021	20.408	ug/l	98
70) Isopropylbenzene	12.701	105	833606	21.096	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.942	83	245022	20.356	ug/l	98
72) 1,2,3-Trichloropropane	12.995	75	205345m	20.055	ug/l	
73) Bromobenzene	12.983	156	168513	19.831	ug/l	98
74) n-propylbenzene	13.036	91	908741	20.666	ug/l	99
75) 2-Chlorotoluene	13.130	91	566003	20.869	ug/l	100
76) 1,3,5-Trimethylbenzene	13.177	105	627103	20.588	ug/l	97
77) t-1,4-Dichloro-2-butene	12.736	75	69510	20.554	ug/l	85
78) 4-Chlorotoluene	13.224	91	522231	20.339	ug/l	99
79) tert-butylbenzene	13.442	119	579027	20.550	ug/l	98
80) 1,2,4-Trimethylbenzene	13.489	105	583905	20.843	ug/l	98
81) sec-Butylbenzene	13.618	105	808039	20.570	ug/l	100
82) p-Isopropyltoluene	13.730	119	626983	20.369	ug/l	98
83) 1,3-Dichlorobenzene	13.736	146	304812	20.505	ug/l	99
84) 1,4-Dichlorobenzene	13.818	146	293049	19.951	ug/l	99
85) n-Butylbenzene	14.059	91	480487	20.199	ug/l	100
86) Hexachloroethane	14.336	117	127191	20.397	ug/l	96
87) 1,2-Dichlorobenzene	14.112	146	303889	20.093	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.724	75	44432	19.970	ug/l	98
89) 1,2,4-Trichlorobenzene	15.395	180	72060	18.153	ug/l	97
90) Hexachlorobutadiene	15.506	225	61423	19.026	ug/l	94
91) Naphthalene	15.642	128	279055	19.257	ug/l	99
92) 1,2,3-Trichlorobenzene	15.842	180	69423	18.693	ug/l	95

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



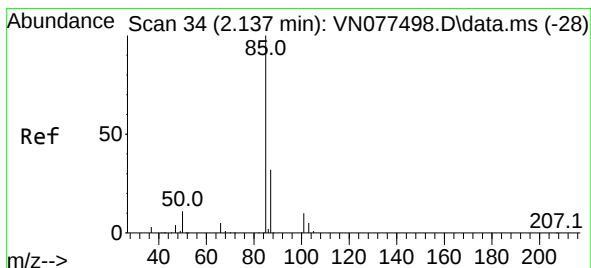
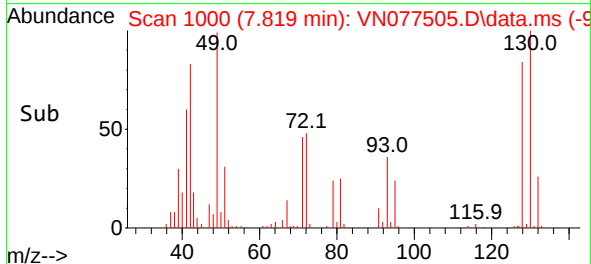
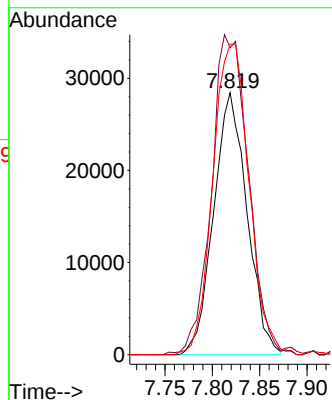
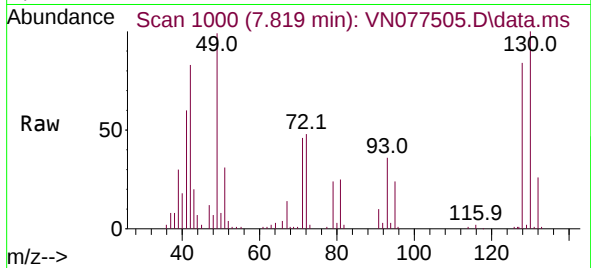
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

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Tgt Ion:128 Resp: 69669
Ion Ratio Lower Upper
128 100
49 134.6 0.0 338.5
130 128.9 0.0 326.3

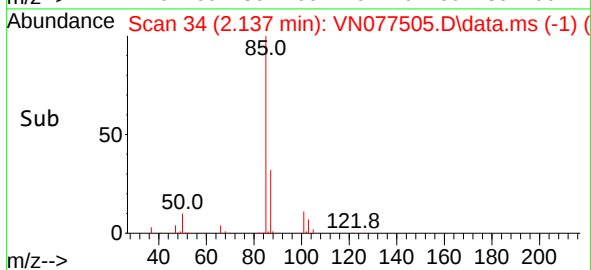
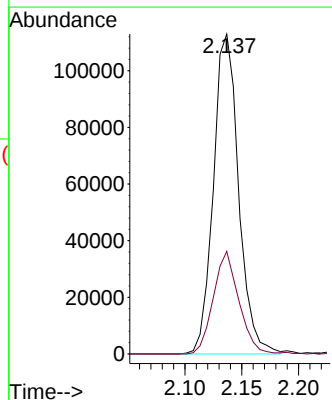
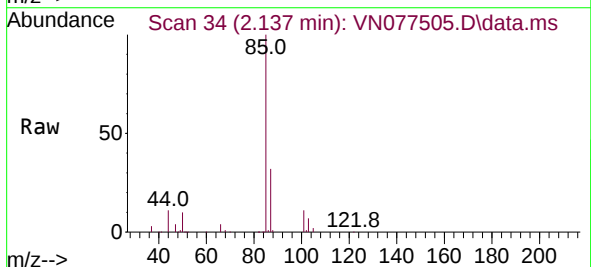
Manual Integrations
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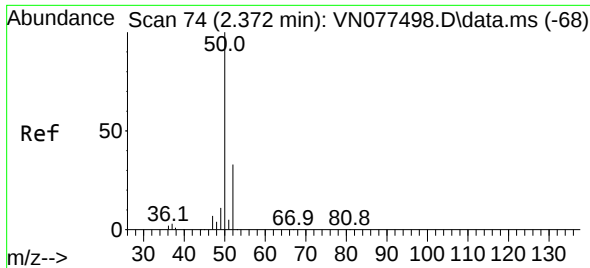
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#2
Dichlorodifluoromethane
Concen: 20.131 ug/l
RT: 2.137 min Scan# 34
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

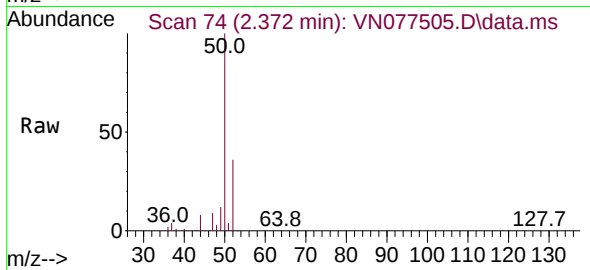
Tgt Ion: 85 Resp: 174606
Ion Ratio Lower Upper
85 100
87 32.1 16.1 48.3





#3
Chloromethane
Concen: 19.295 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

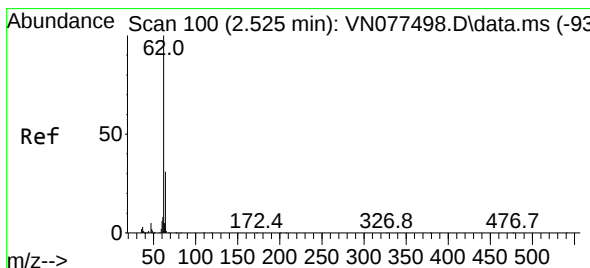
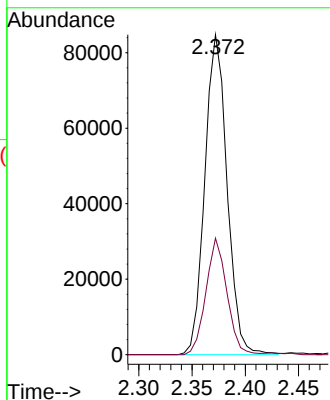
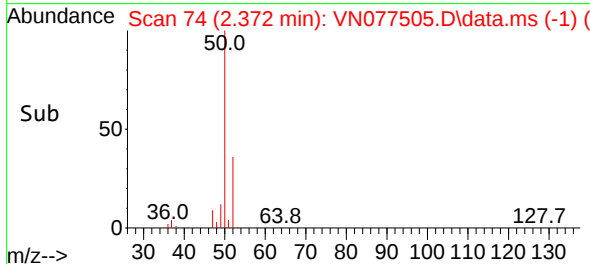
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



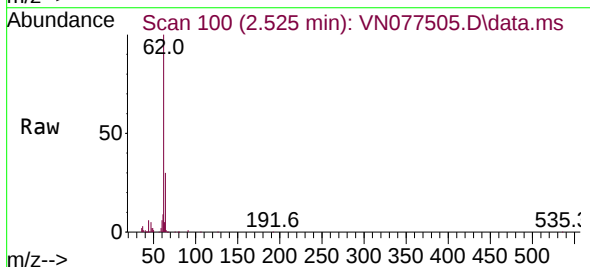
Tgt Ion: 50 Resp: 123634
Ion Ratio Lower Upper
50 100
52 36.4 26.6 39.8

Manual Integrations
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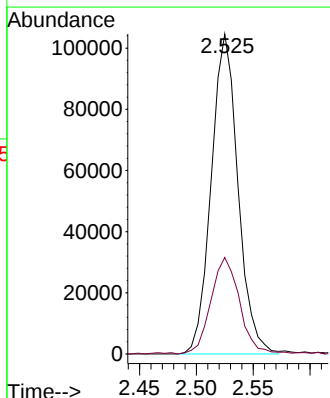
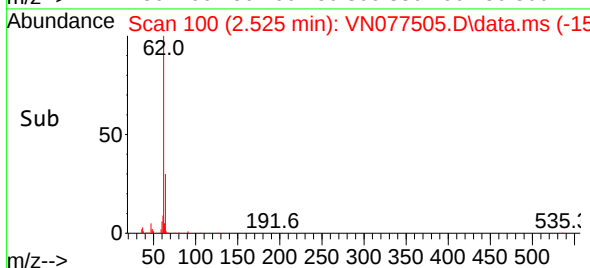
Reviewed By :John Carlone 04/29/2023
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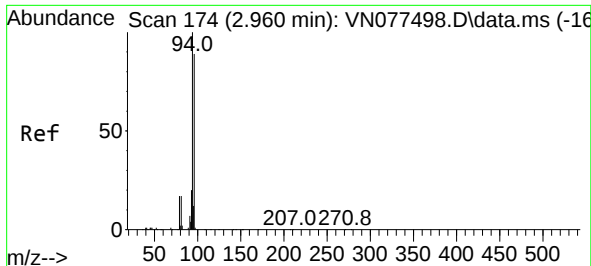


#4
Vinyl Chloride
Concen: 19.227 ug/l
RT: 2.525 min Scan# 100
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05



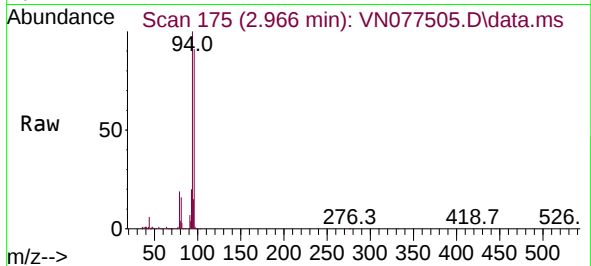
Tgt Ion: 62 Resp: 171346
Ion Ratio Lower Upper
62 100
64 30.2 27.1 40.7





#5
Bromomethane
Concen: 18.237 ug/l
RT: 2.966 min Scan# 175
Delta R.T. 0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

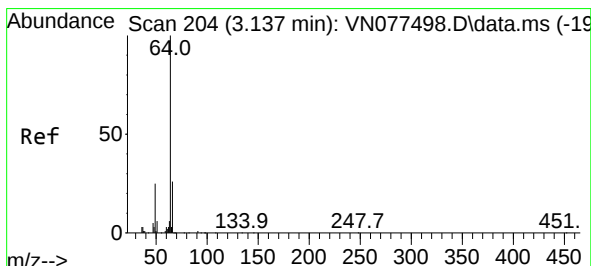
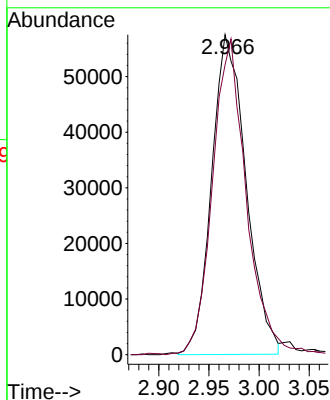
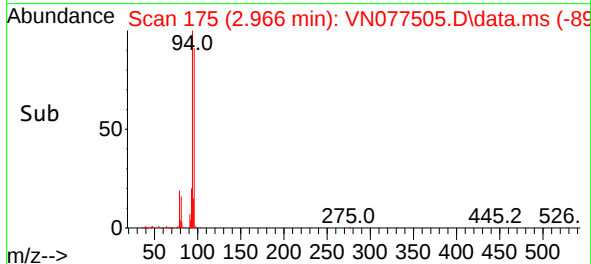
Instrument :
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ClientSampleId :
VN0428WBSD01



Tgt Ion: 94 Resp: 137190
Ion Ratio Lower Upper
94 100
96 90.4 72.6 108.8

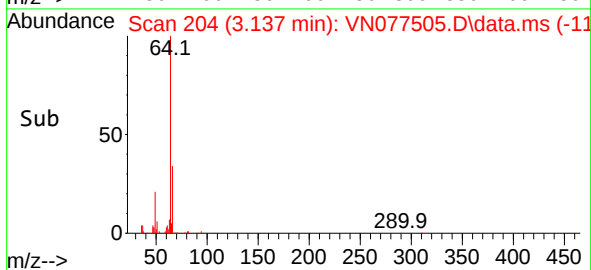
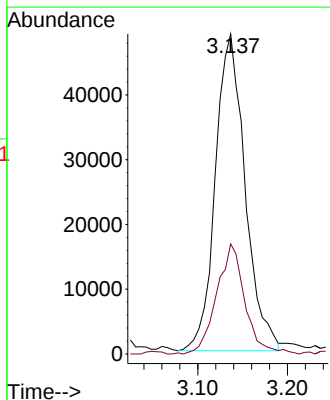
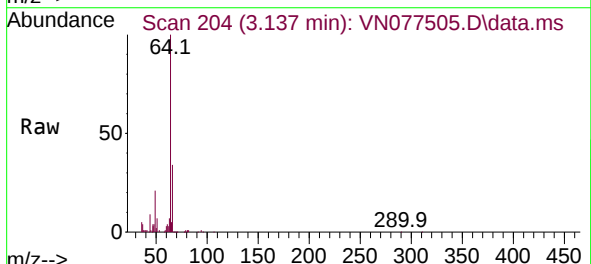
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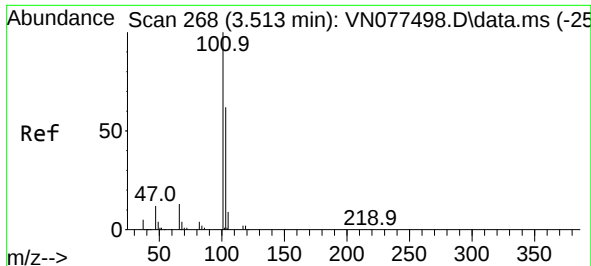
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#6
Chloroethane
Concen: 17.528 ug/l
RT: 3.137 min Scan# 204
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 64 Resp: 112489
Ion Ratio Lower Upper
64 100
66 34.4 29.1 43.7





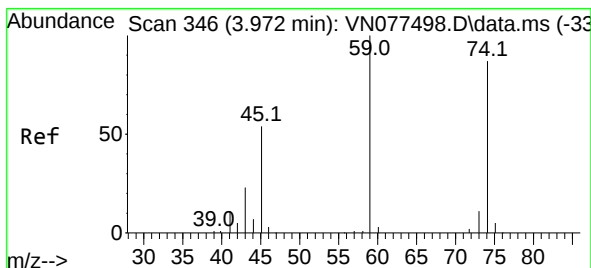
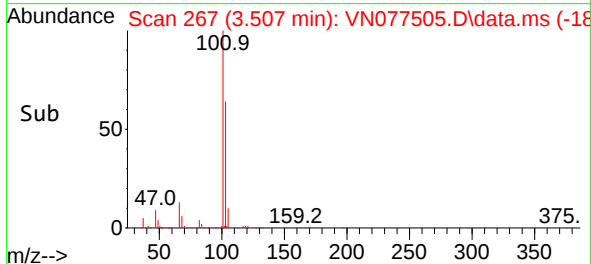
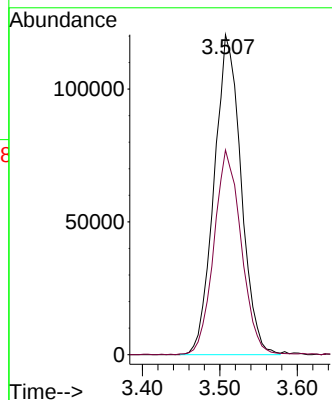
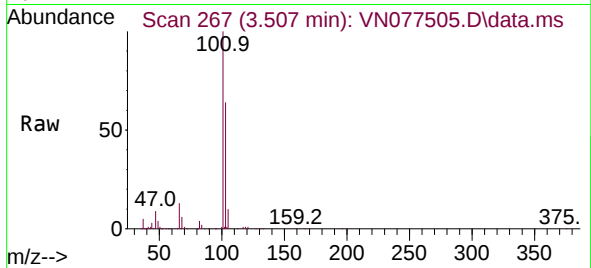
#7
Trichlorofluoromethane
Concen: 22.185 ug/l
RT: 3.507 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Instrument :
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Tgt Ion:101 Resp: 29156
Ion Ratio Lower Upper
101 100
103 63.7 51.8 77.8

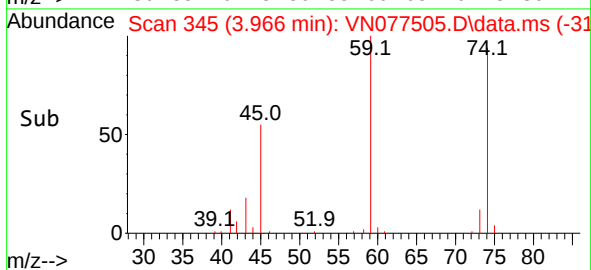
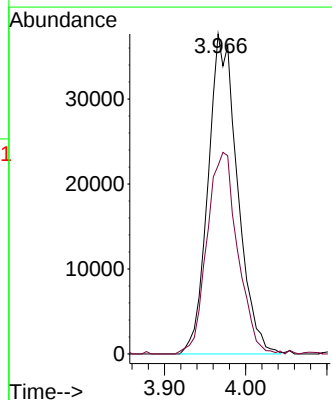
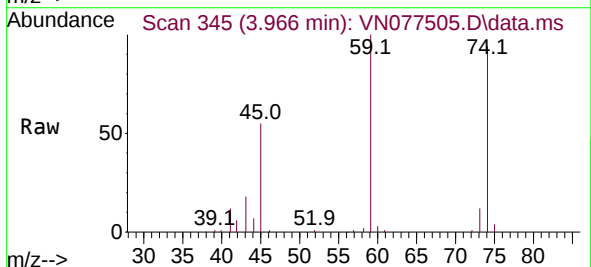
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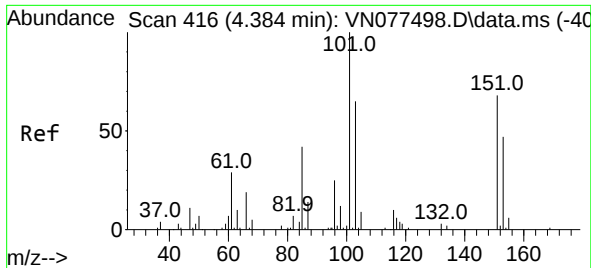
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#8
Diethyl Ether
Concen: 20.563 ug/l
RT: 3.966 min Scan# 345
Delta R.T. -0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 74 Resp: 94567
Ion Ratio Lower Upper
74 100
45 65.8 13.6 122.0





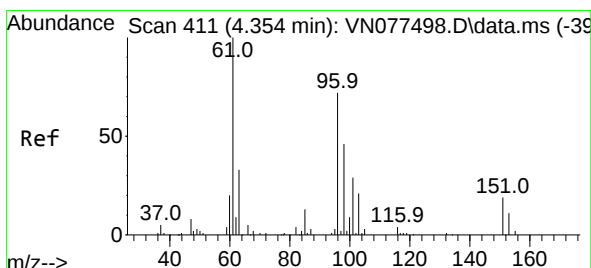
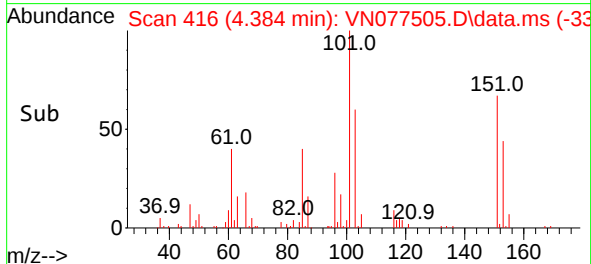
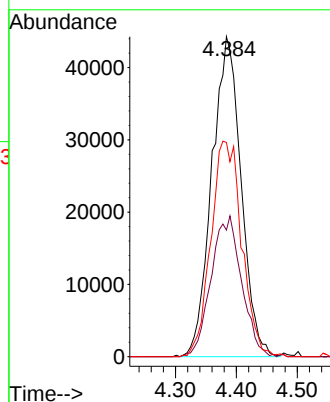
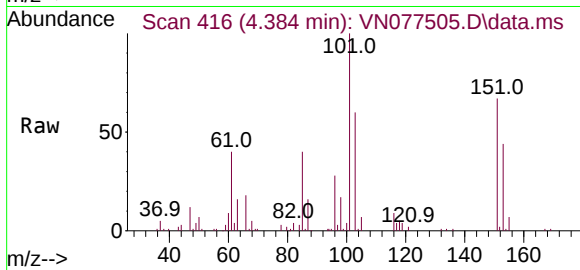
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 1,1,2-Trichlorotrifluoroethane
 Concen: 19.886 ug/l
 RT: 4.384 min Scan# 416
 Delta R.T. -0.000 min
 Lab File: VN077505.D
 Acq: 28 Apr 2023 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBSD01

Tgt Ion:101 Resp: 14770
 Ion Ratio Lower Upper
 101 100
 85 25.0 0.0 90.4
 151 45.3 0.0 140.8

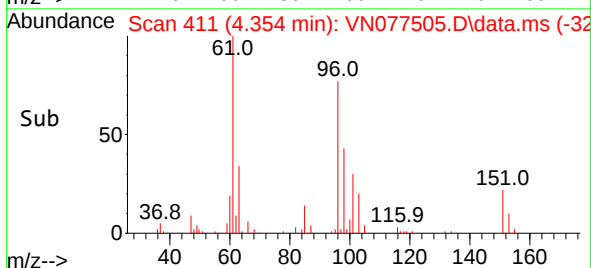
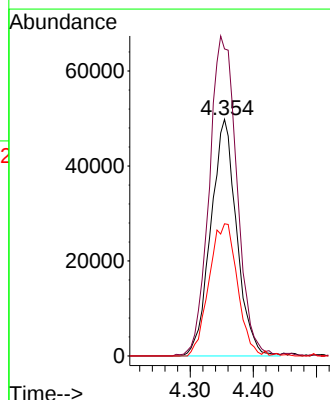
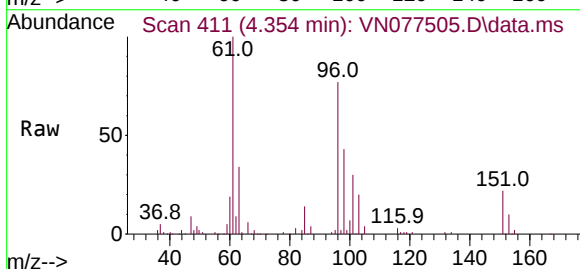
Manual Integrations
 APPROVED

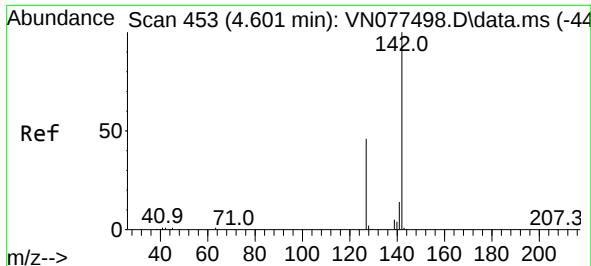
Reviewed By :John Carlone 04/29/2023
 Supervised By :Semsettin Yesilyurt 04/29/2023



#10
 1,1-Dichloroethene
 Concen: 19.862 ug/l
 RT: 4.354 min Scan# 411
 Delta R.T. -0.000 min
 Lab File: VN077505.D
 Acq: 28 Apr 2023 17:05

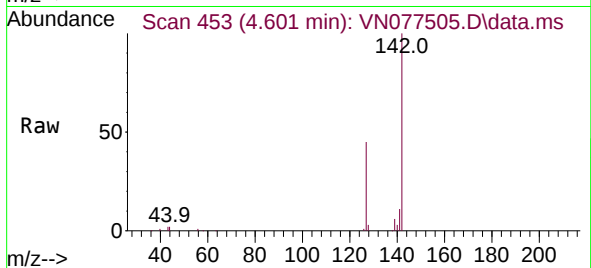
Tgt Ion: 96 Resp: 141531
 Ion Ratio Lower Upper
 96 100
 61 129.2 108.8 163.2
 98 55.9 43.5 65.3





#11
Methyl Iodide
Concen: 19.566 ug/l
RT: 4.601 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

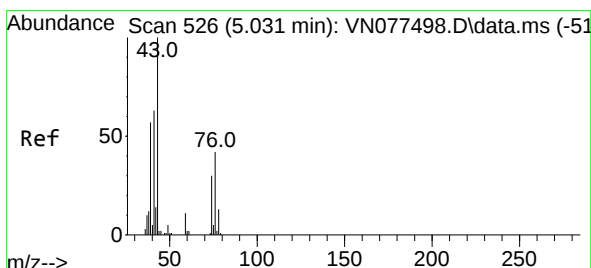
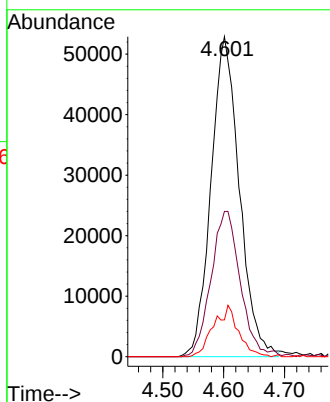
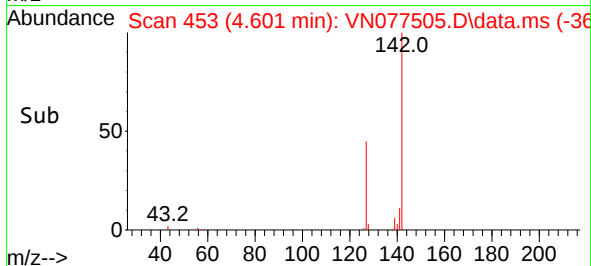
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



Tgt Ion:142 Resp: 171044
Ion Ratio Lower Upper
142 100
127 45.4 23.1 69.3
141 11.3 6.0 18.0

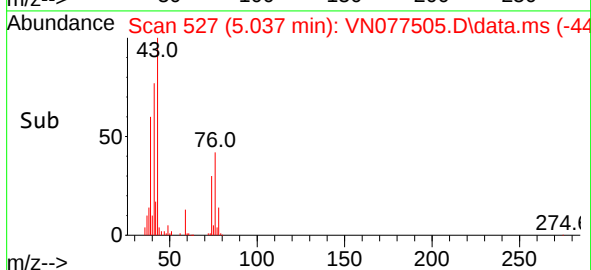
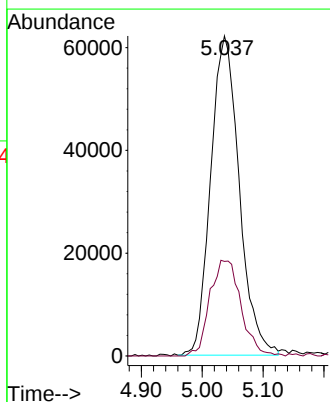
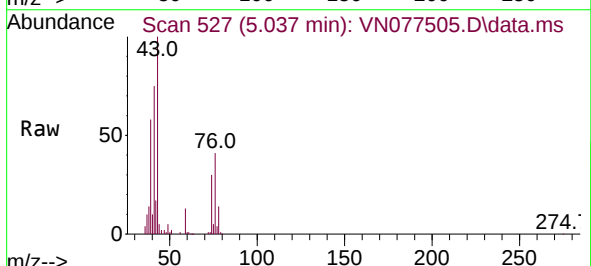
Manual Integrations
APPROVED

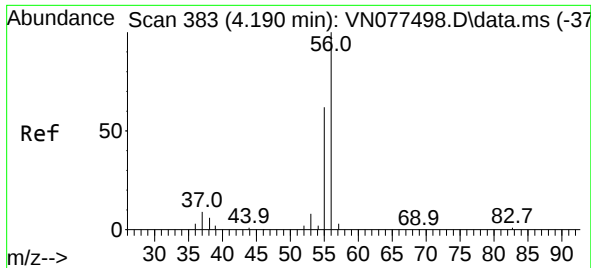
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#12
Methyl Acetate
Concen: 19.702 ug/l
RT: 5.037 min Scan# 527
Delta R.T. 0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

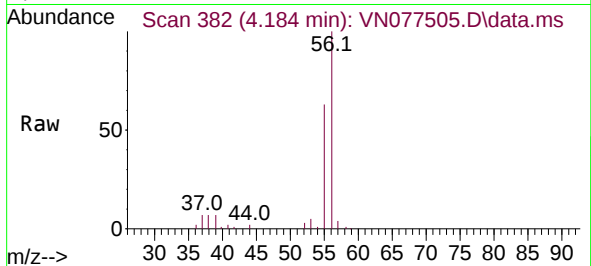
Tgt Ion: 43 Resp: 202478
Ion Ratio Lower Upper
43 100
74 29.5 25.8 38.8





#13
Acrolein
Concen: 99.610 ug/l
RT: 4.184 min Scan# 382
Delta R.T. -0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

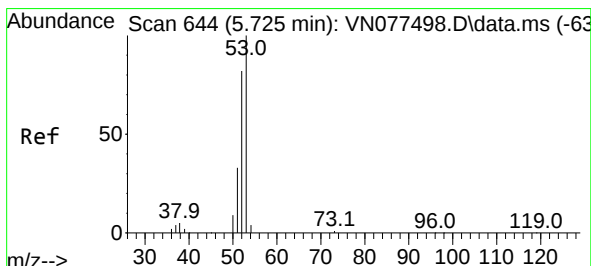
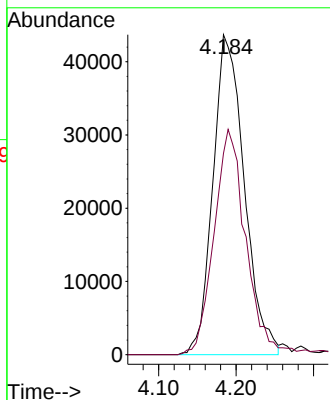
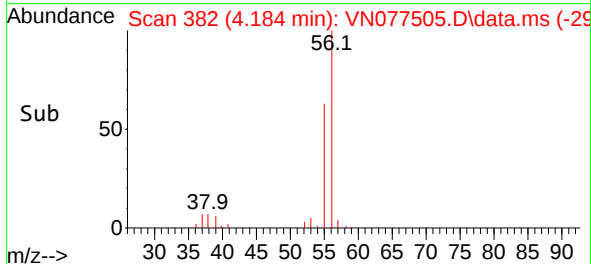
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



Tgt Ion: 56 Resp: 122740
Ion Ratio Lower Upper
56 100
55 70.5 55.8 83.6

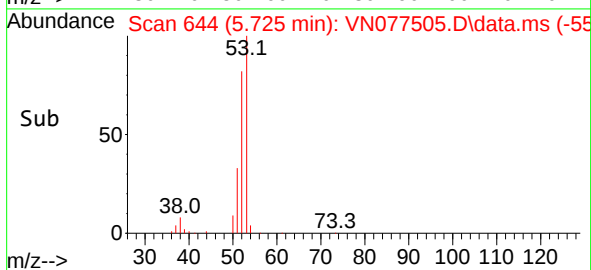
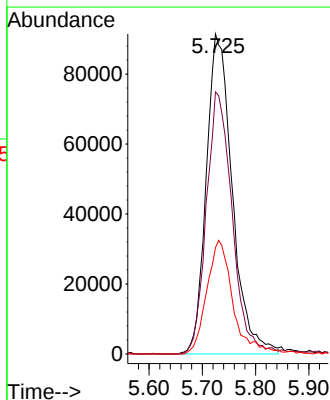
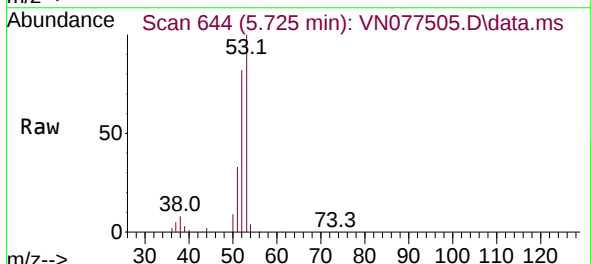
Manual Integrations
APPROVED

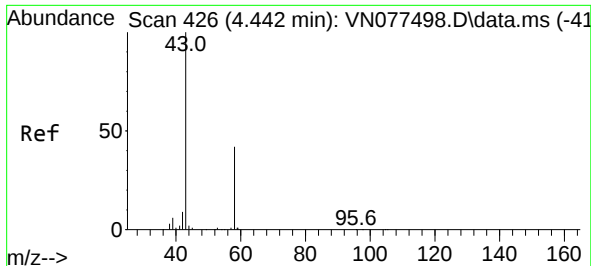
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#14
Acrylonitrile
Concen: 98.431 ug/l
RT: 5.725 min Scan# 644
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 53 Resp: 310346
Ion Ratio Lower Upper
53 100
52 80.4 41.9 125.6
51 33.5 18.0 54.0





#15

Acetone

Concen: 96.425 ug/l

RT: 4.437 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBSD01

Tgt Ion: 58 Resp: 9706

Ion Ratio Lower Upper

58 100

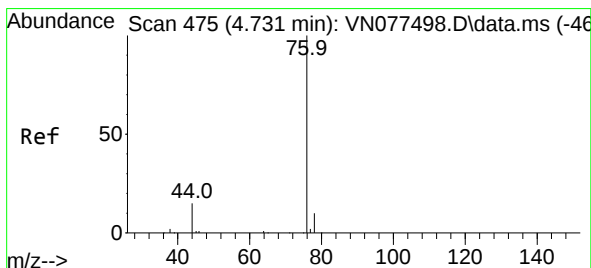
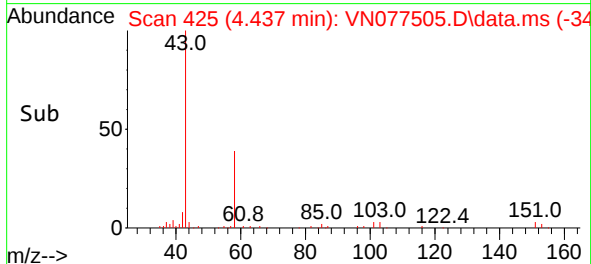
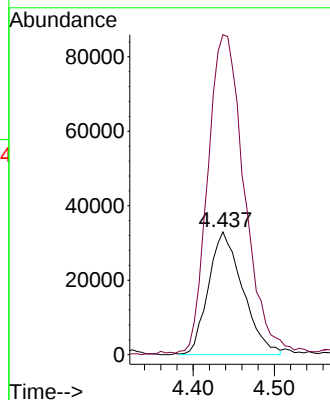
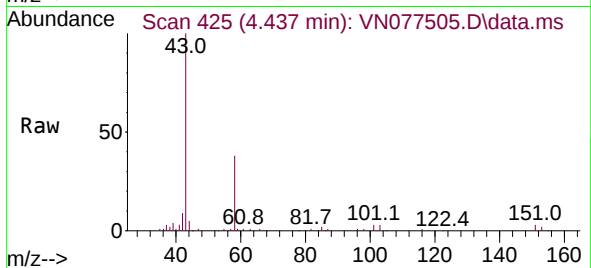
43 259.5 197.2 295.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#16

Carbon Disulfide

Concen: 19.092 ug/l

RT: 4.719 min Scan# 473

Delta R.T. -0.012 min

Lab File: VN077505.D

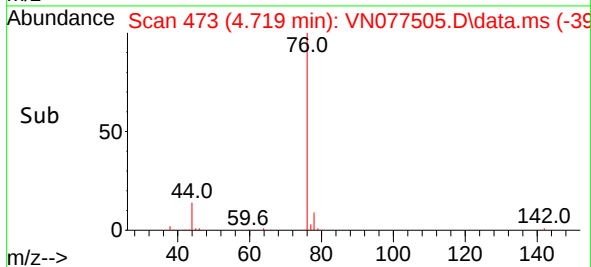
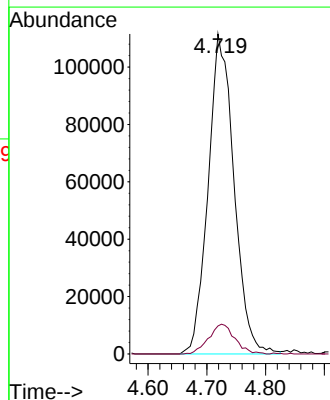
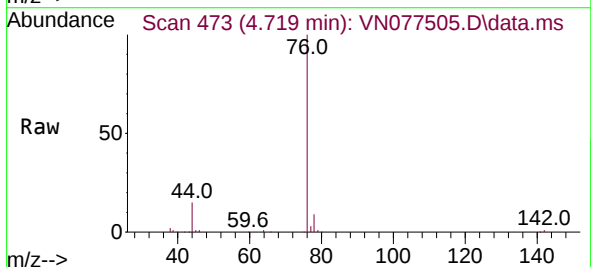
Acq: 28 Apr 2023 17:05

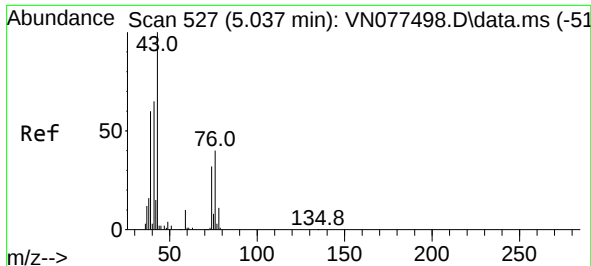
Tgt Ion: 76 Resp: 341165

Ion Ratio Lower Upper

76 100

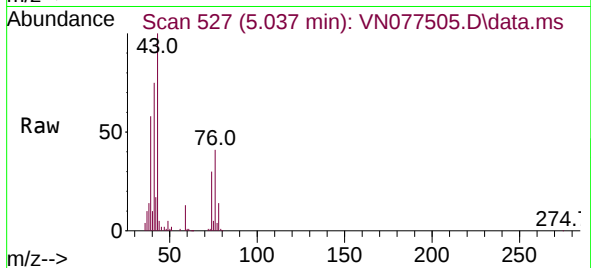
78 8.7 7.8 11.8





#17
 Allyl chloride
 Concen: 19.357 ug/l
 RT: 5.037 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN077505.D
 Acq: 28 Apr 2023 17:05

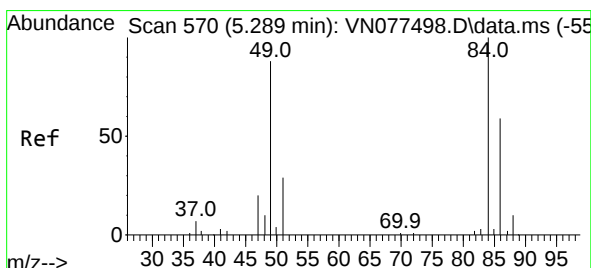
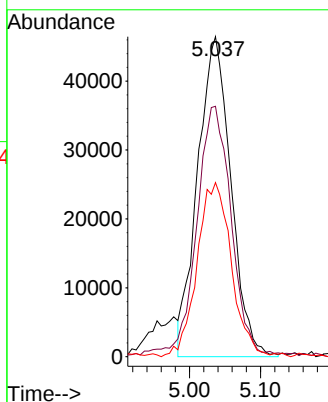
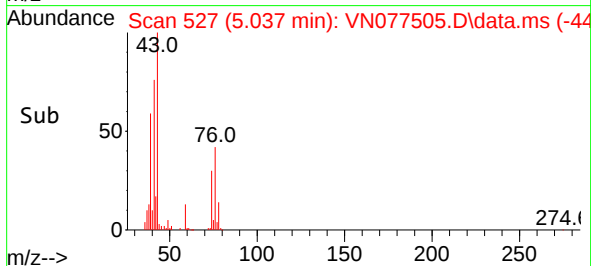
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBSD01



Tgt Ion: 41 Resp: 15124
 Ion Ratio Lower Upper
 41 100
 39 77.6 38.6 116.0
 76 54.0 26.1 78.3

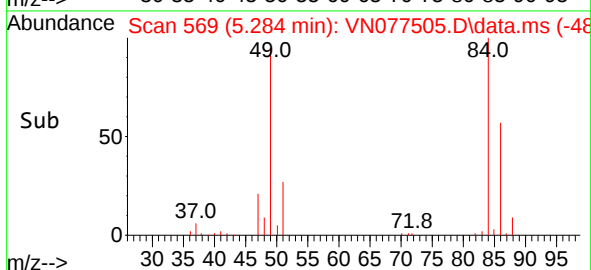
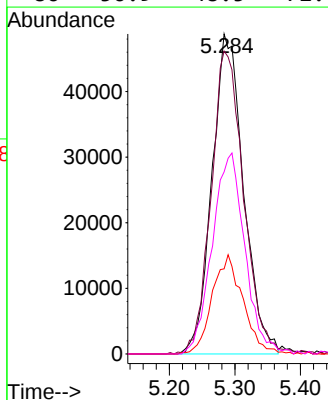
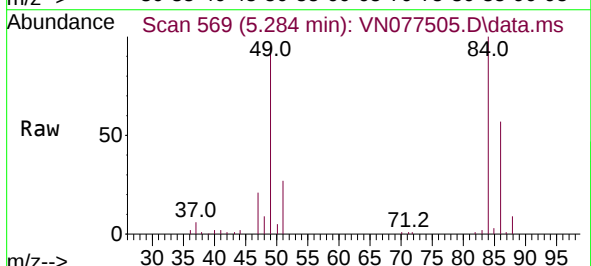
Manual Integrations
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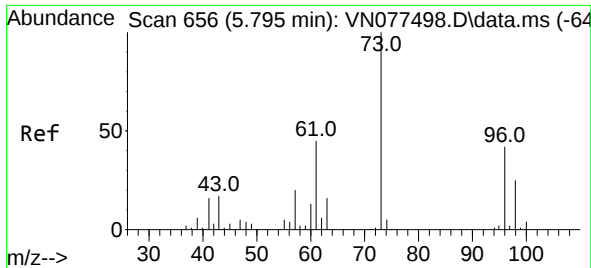
Reviewed By :John Carlone 04/29/2023
 Supervised By :Semsettin Yesilyurt 04/29/2023



#18
 Methylene Chloride
 Concen: 19.349 ug/l
 RT: 5.284 min Scan# 569
 Delta R.T. -0.006 min
 Lab File: VN077505.D
 Acq: 28 Apr 2023 17:05

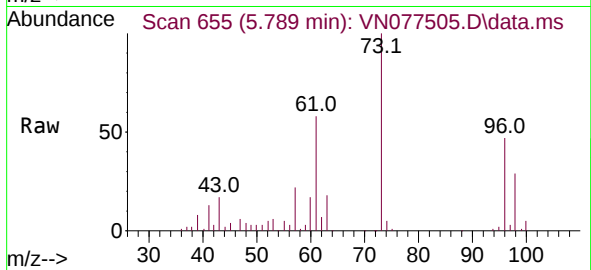
Tgt Ion: 84 Resp: 162653
 Ion Ratio Lower Upper
 84 100
 49 94.1 74.6 112.0
 51 26.6 25.0 37.6
 86 56.9 48.5 72.7





#19
trans-1,2-Dichloroethene
Concen: 19.355 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

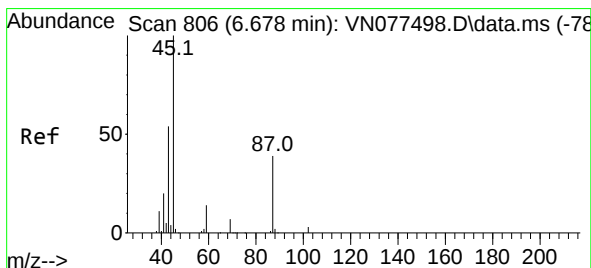
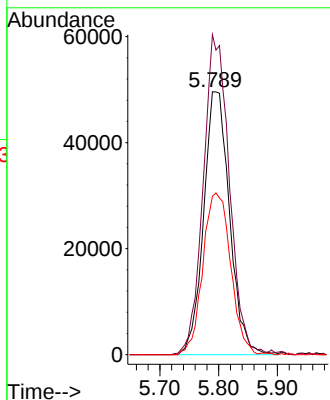
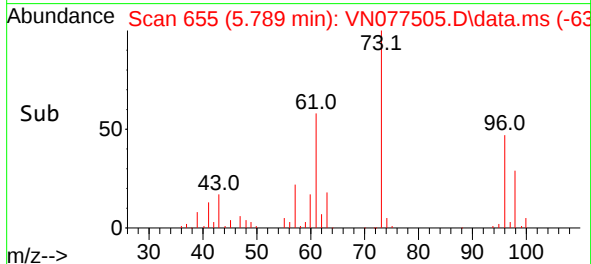
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



Tgt Ion: 96 Resp: 15239
Ion Ratio Lower Upper
96 100
61 121.2 89.7 134.5
98 60.2 47.0 70.4

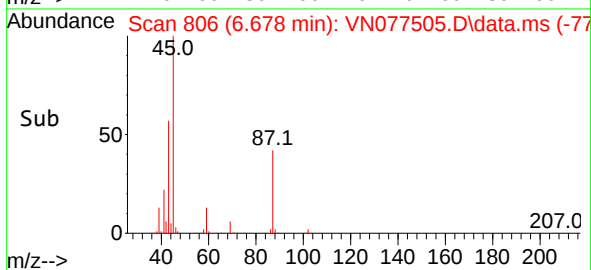
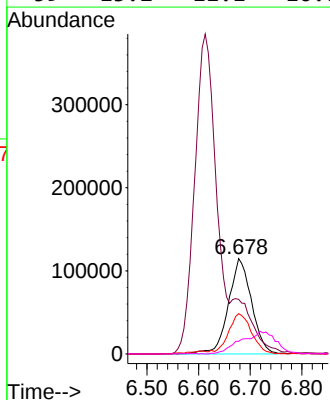
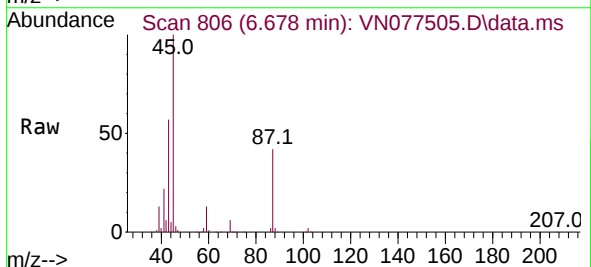
Manual Integrations
APPROVED

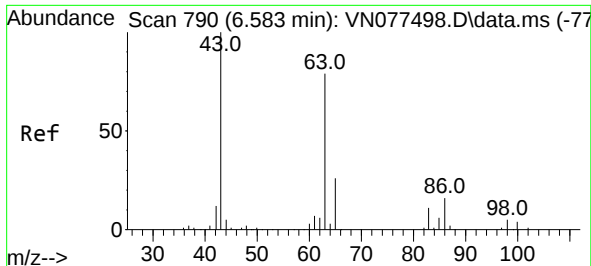
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#20
Diisopropyl ether
Concen: 19.606 ug/l
RT: 6.678 min Scan# 806
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 45 Resp: 356611
Ion Ratio Lower Upper
45 100
43 52.9 46.6 69.8
87 41.7 34.6 52.0
59 13.2 11.1 16.7





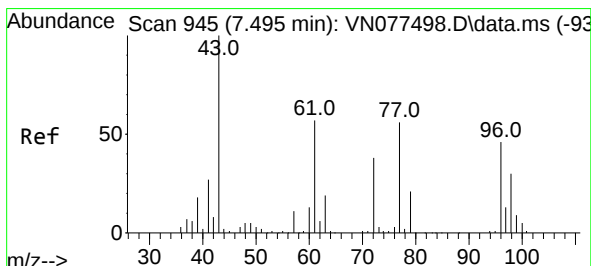
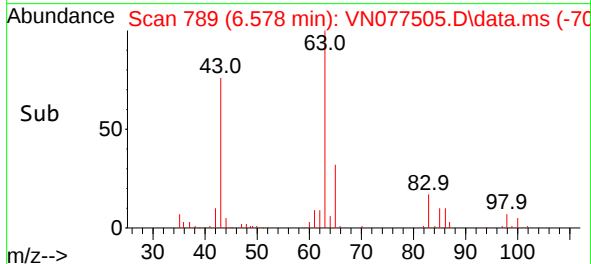
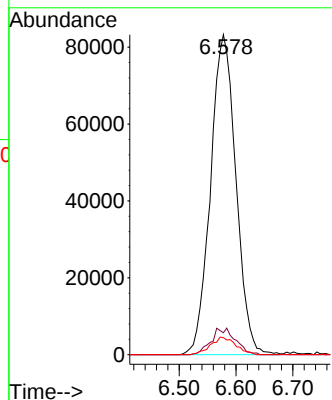
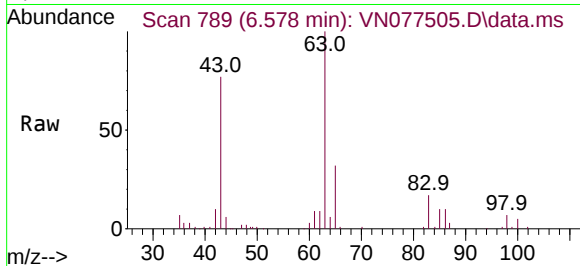
#21
1,1-Dichloroethane
Concen: 19.473 ug/l
RT: 6.578 min Scan# 790
Delta R.T. -0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01

Tgt Ion: 63 Resp: 25884
Ion Ratio Lower Upper
63 100
98 6.9 4.0 12.0
100 5.3 3.4 10.1

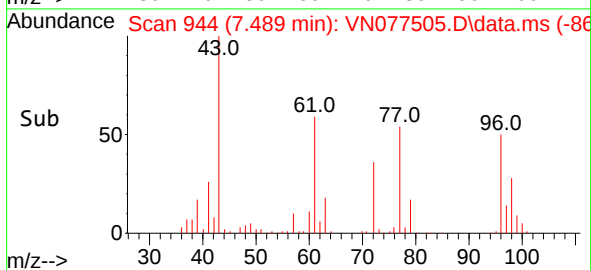
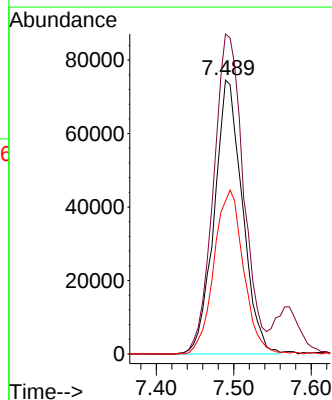
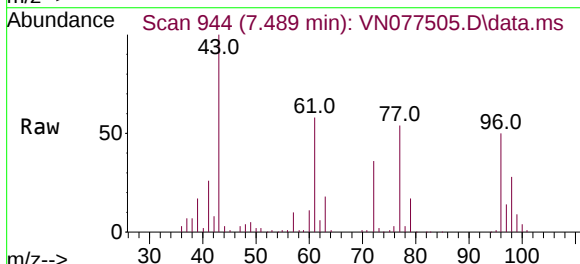
Manual Integrations
APPROVED

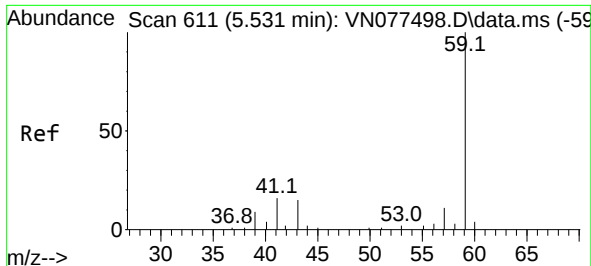
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#22
cis-1,2-Dichloroethene
Concen: 19.982 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

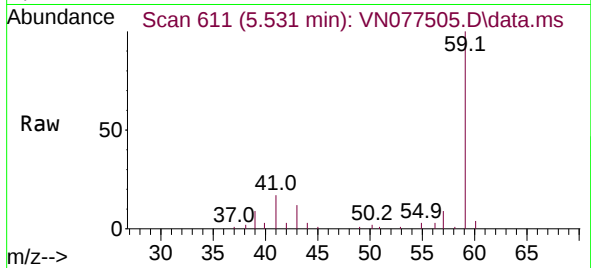
Tgt Ion: 96 Resp: 188429
Ion Ratio Lower Upper
96 100
61 124.4 100.2 150.2
98 62.5 51.6 77.4





#23
tert-Butyl Alcohol
Concen: 95.470 ug/l
RT: 5.531 min Scan# 611
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

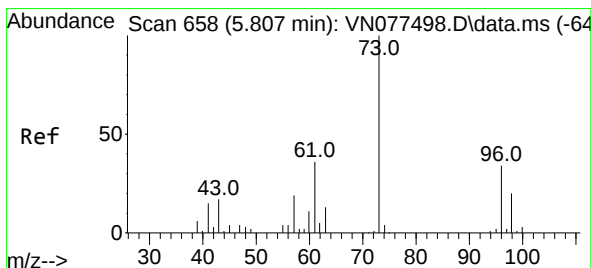
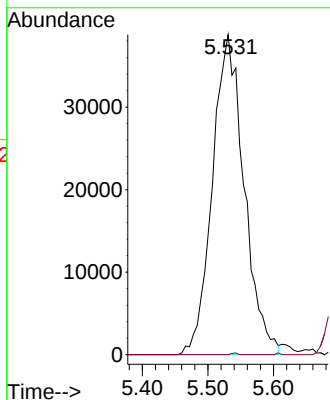
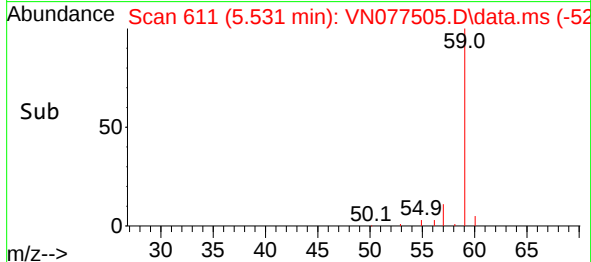
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



Tgt Ion: 59 Resp: 129860
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

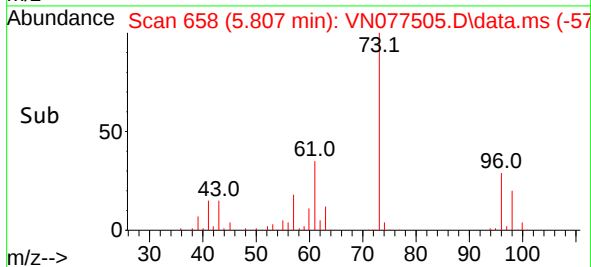
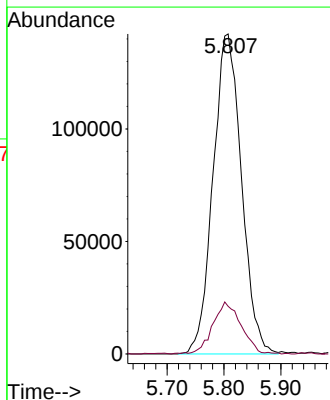
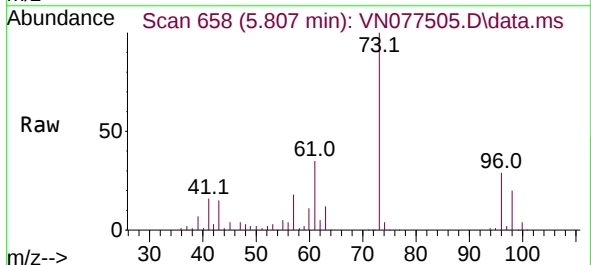
Manual Integrations
APPROVED

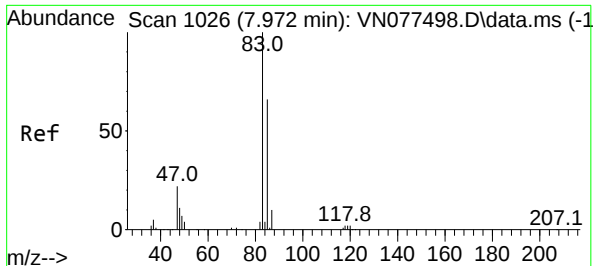
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#24
Methyl tert-Butyl Ether
Concen: 19.979 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 73 Resp: 493820
Ion Ratio Lower Upper
73 100
43 15.8 13.5 20.3





#25

Chloroform

Concen: 19.862 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBSD01

Tgt Ion: 83 Resp: 303450

Ion Ratio Lower Upper

83 100

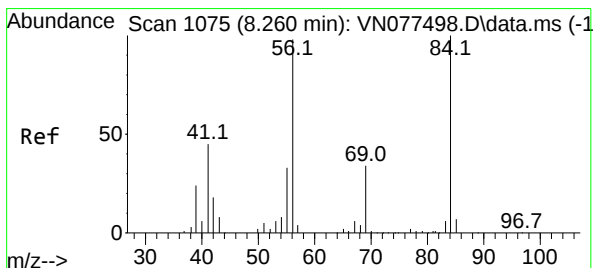
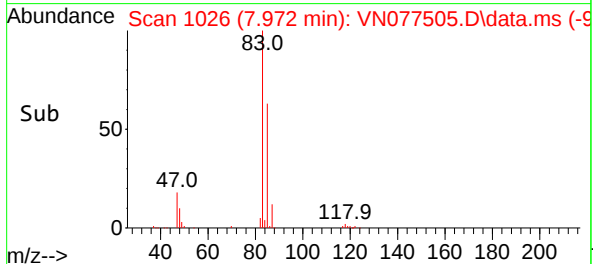
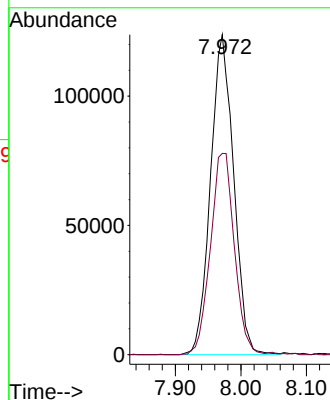
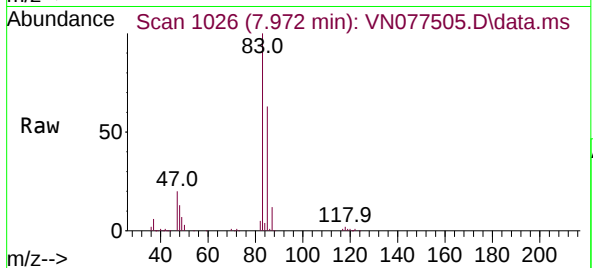
85 62.9 53.0 79.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#26

Cyclohexane

Concen: 19.239 ug/l

RT: 8.260 min Scan# 1075

Delta R.T. 0.000 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

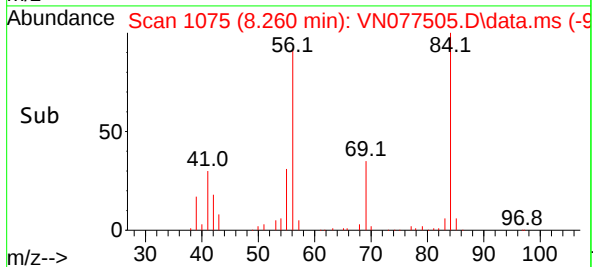
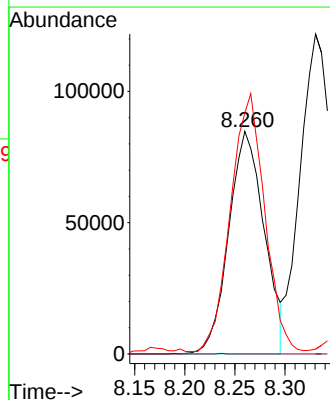
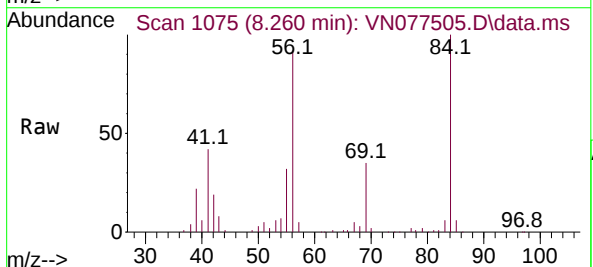
Tgt Ion: 56 Resp: 208609

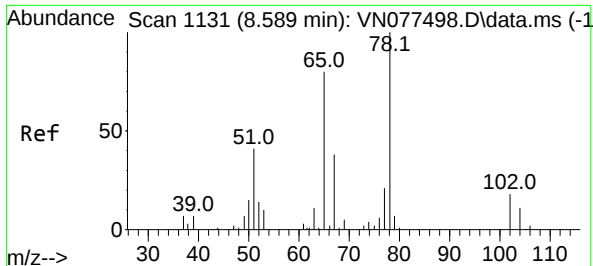
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

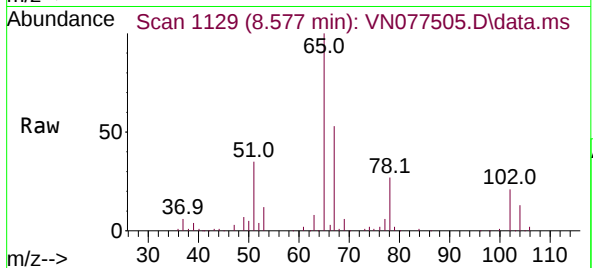
84 111.6 85.4 128.2





#27
1,2-Dichloroethane-d4
Concen: 29.779 ug/l
RT: 8.577 min Scan# 1129
Delta R.T. -0.012 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

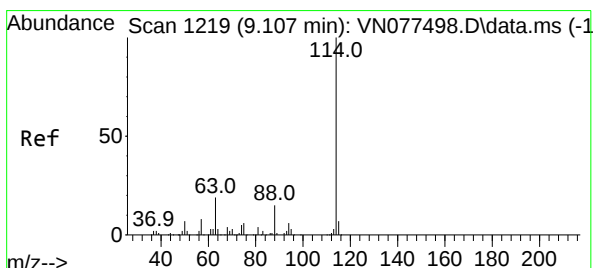
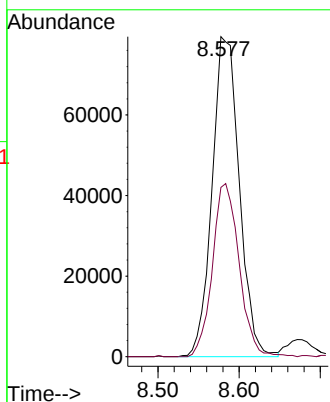
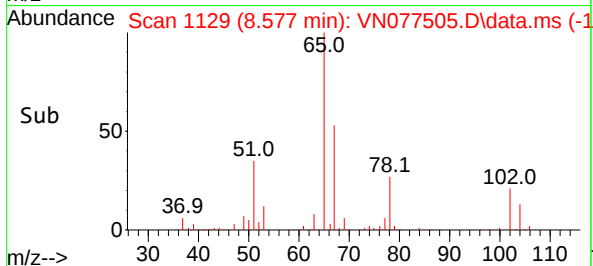
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



Tgt Ion: 65 Resp: 184958
Ion Ratio Lower Upper
65 100
67 53.1 40.2 60.2

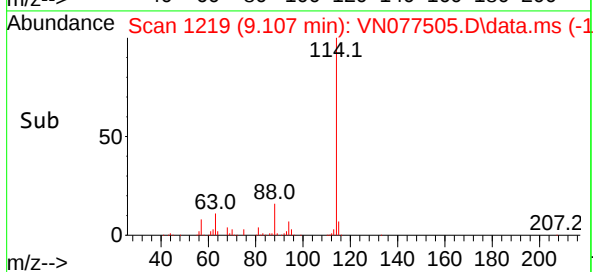
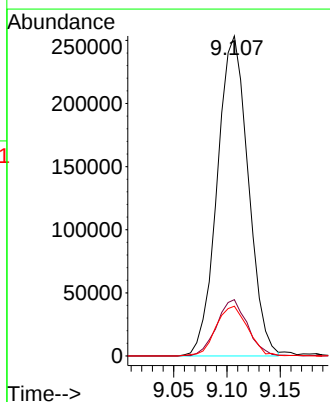
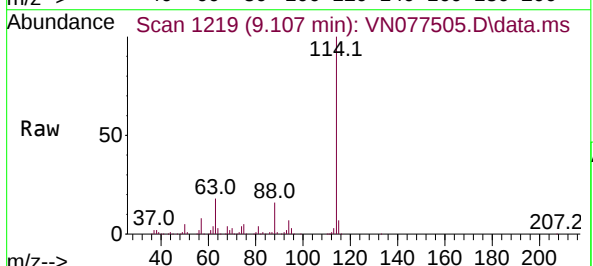
Manual Integrations
APPROVED

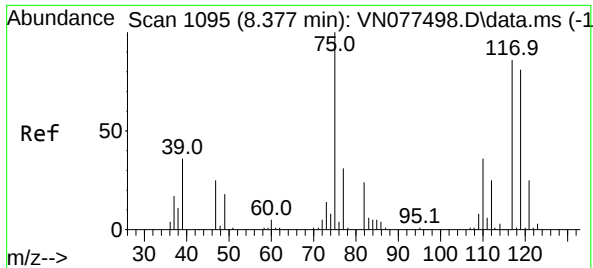
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion:114 Resp: 512788
Ion Ratio Lower Upper
114 100
63 17.5 14.1 21.1
88 16.0 12.3 18.5





#29
1,1-Dichloropropene
Concen: 19.733 ug/l
RT: 8.377 min Scan# 1095
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBSD01

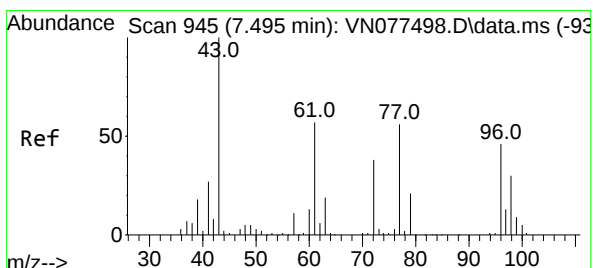
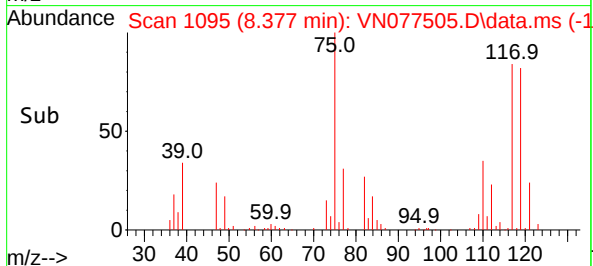
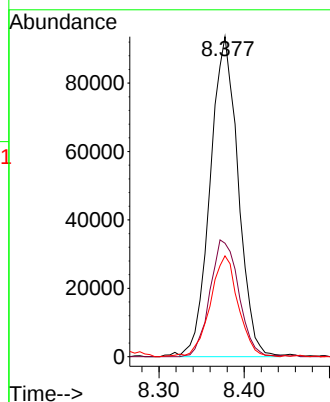
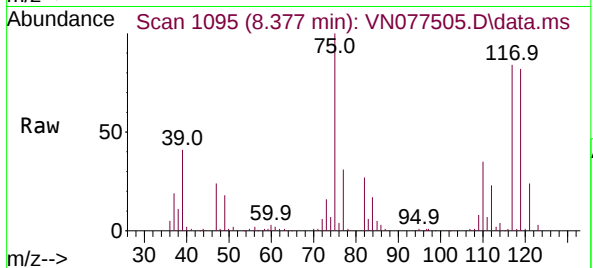
Tgt Ion: 75 Resp: 21329
Ion Ratio Lower Upper
75 100
110 37.4 0.0 74.0
77 31.2 0.0 62.8

Manual Integrations

APPROVED

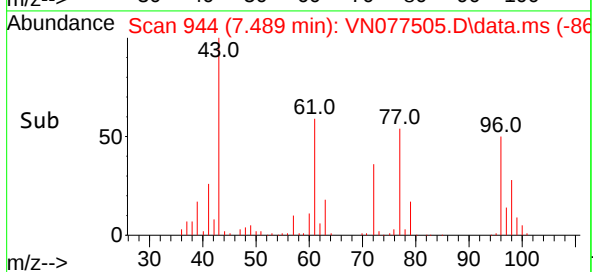
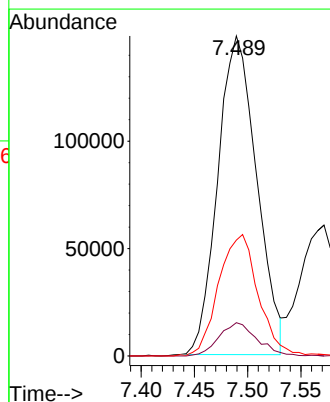
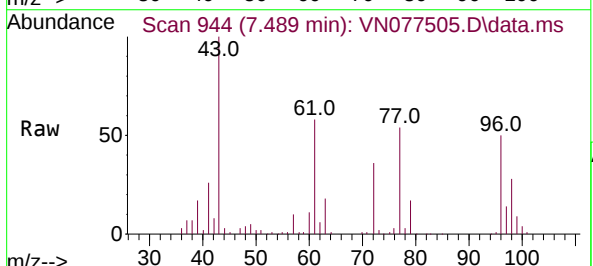
Reviewed By :John Carlone 04/29/2023

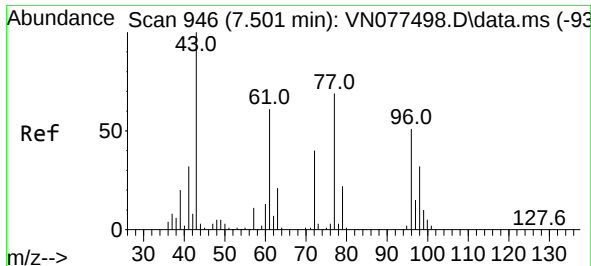
Supervised By :Semsettin Yesilyurt 04/29/2023



#30
2-Butanone
Concen: 95.062 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 43 Resp: 376722
Ion Ratio Lower Upper
43 100
57 10.2 8.0 12.0
72 38.8 30.4 45.6





#31

2,2-Dichloropropane

Concen: 19.923 ug/l

RT: 7.501 min Scan# 946

Delta R.T. -0.000 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBSD01

Tgt Ion: 77 Resp: 251960

Ion Ratio Lower Upper

77 100

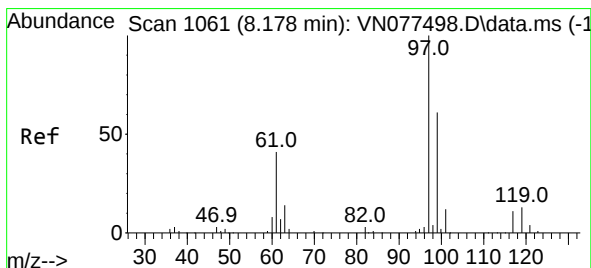
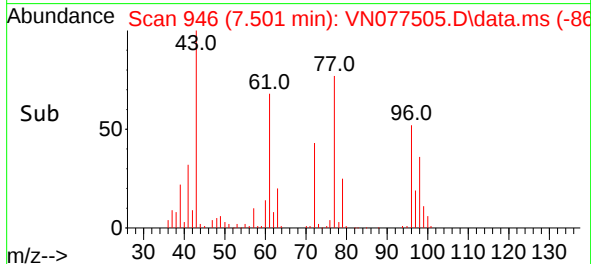
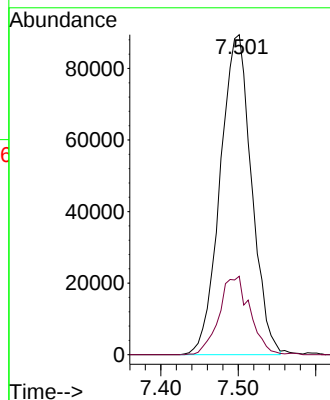
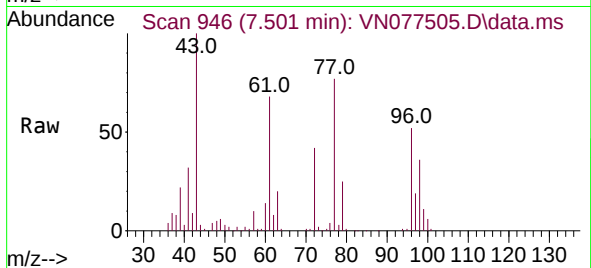
97 13.4 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#32

1,1,1-Trichloroethane

Concen: 20.463 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.006 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

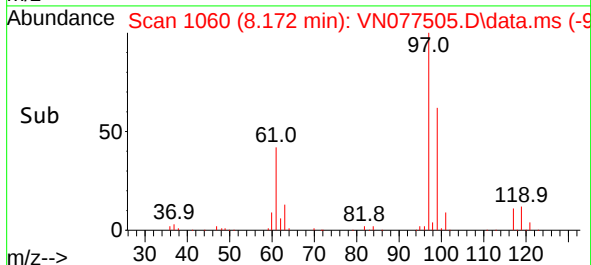
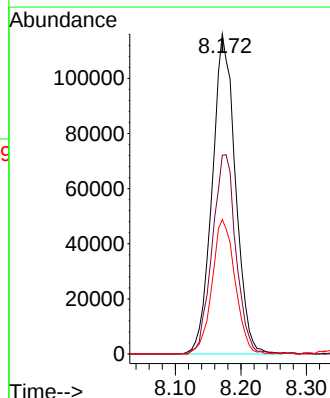
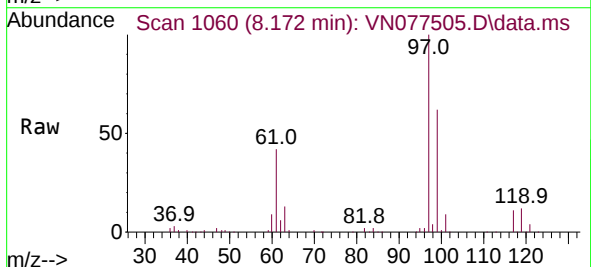
Tgt Ion: 97 Resp: 285487

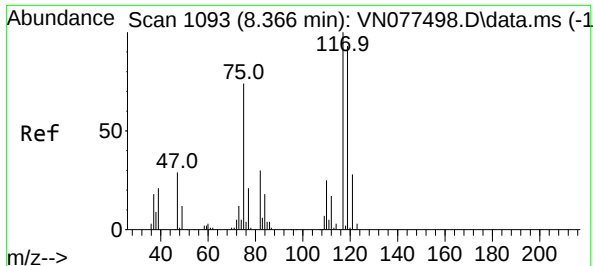
Ion Ratio Lower Upper

97 100

99 63.3 50.1 75.1

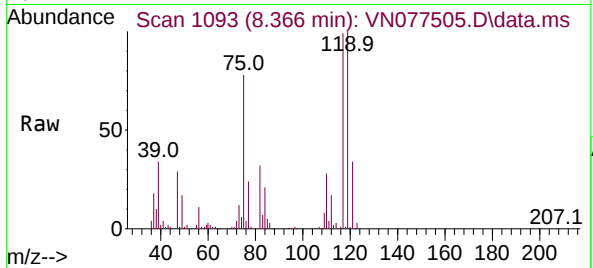
61 41.6 31.1 46.7





#33
Carbon Tetrachloride
Concen: 19.657 ug/l
RT: 8.366 min Scan# 1093
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

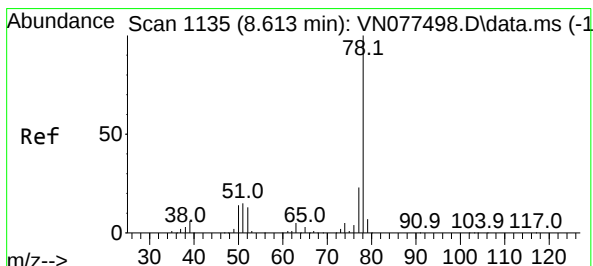
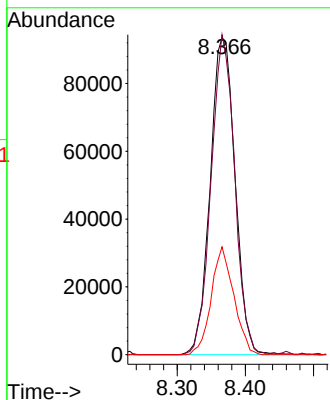
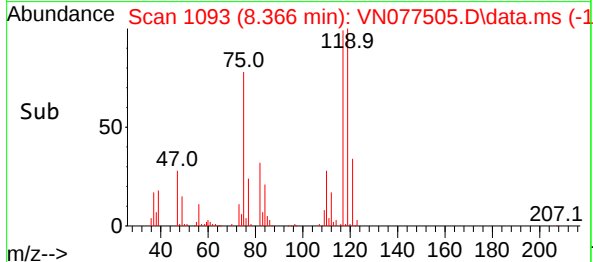
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



Tgt Ion: 117 Resp: 238039
Ion Ratio Lower Upper
117 100
119 100.9 72.6 109.0
121 34.0 24.3 36.5

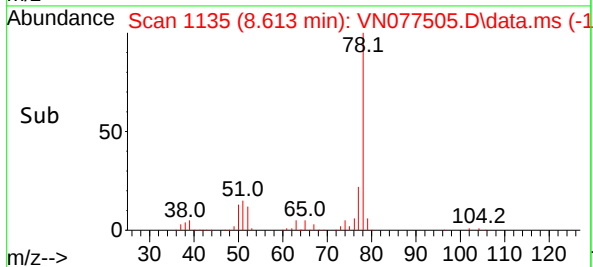
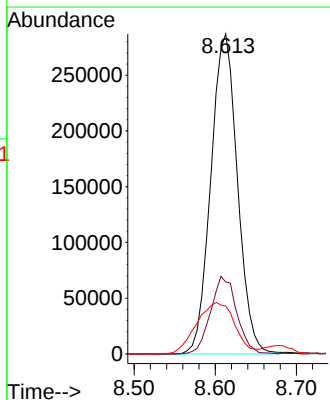
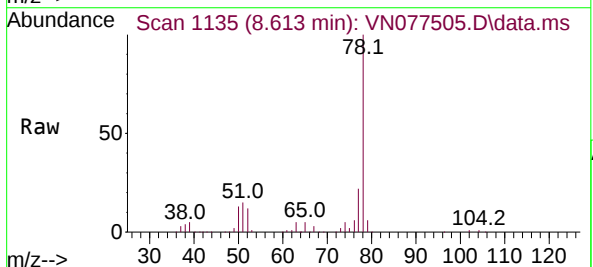
Manual Integrations
APPROVED

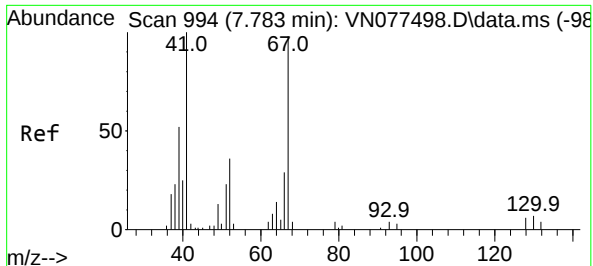
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#34
Benzene
Concen: 19.689 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

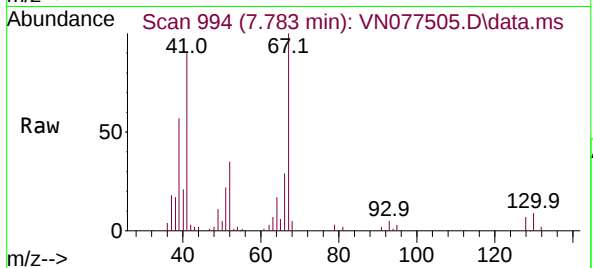
Tgt Ion: 78 Resp: 654475
Ion Ratio Lower Upper
78 100
77 22.4 17.1 25.7
51 13.6 11.3 16.9





#35
Methacrylonitrile
Concen: 18.493 ug/l
RT: 7.783 min Scan# 994
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

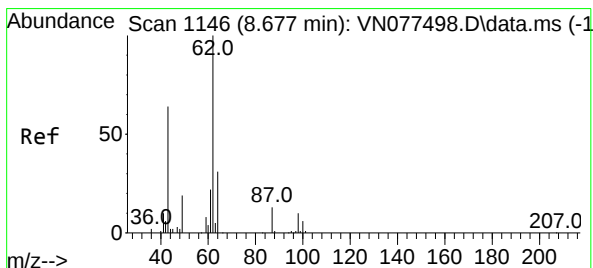
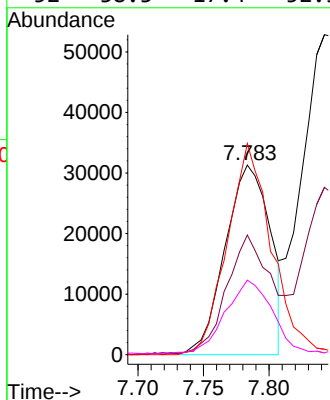
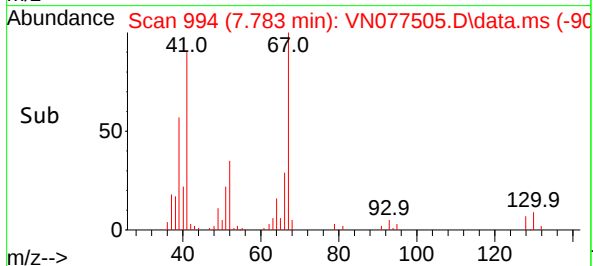
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



Tgt Ion: 41 Resp: 74828
Ion Ratio Lower Upper
41 100
39 62.8 25.9 77.8
67 112.1 48.1 144.4
52 38.3 17.4 52.3

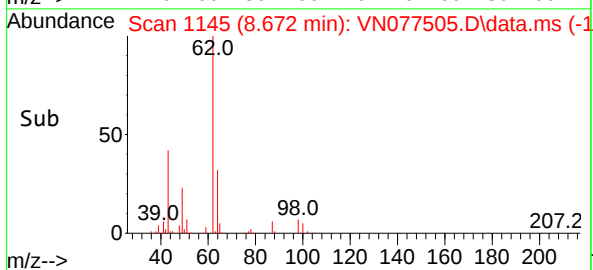
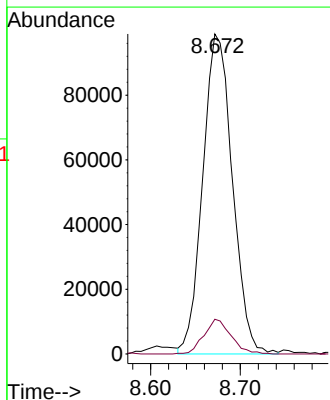
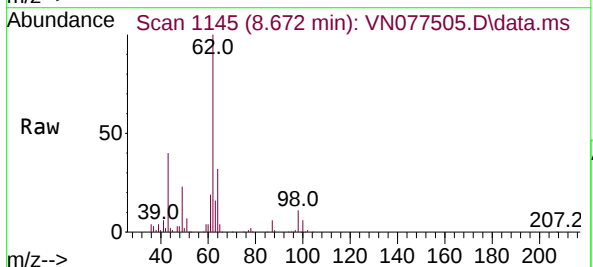
Manual Integrations
APPROVED

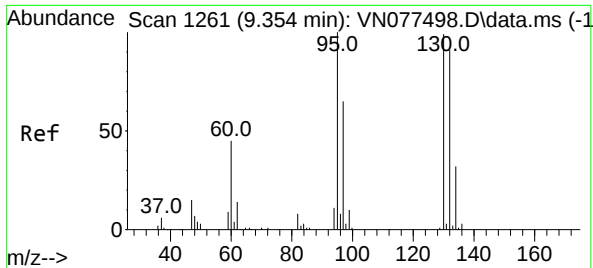
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#36
1,2-Dichloroethane
Concen: 20.005 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 62 Resp: 227105
Ion Ratio Lower Upper
62 100
98 9.9 8.0 12.0





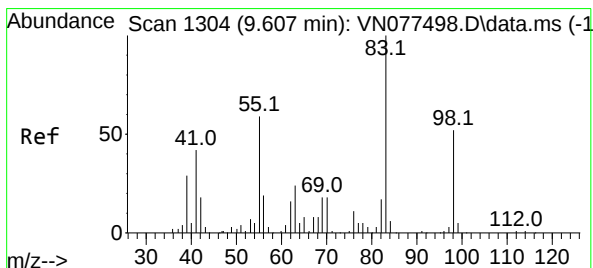
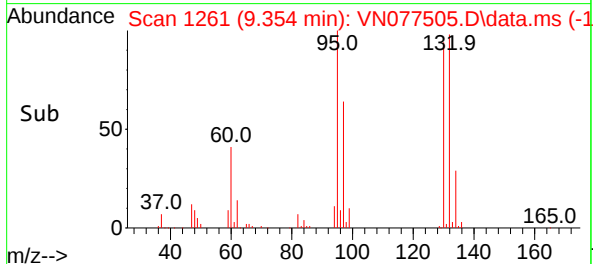
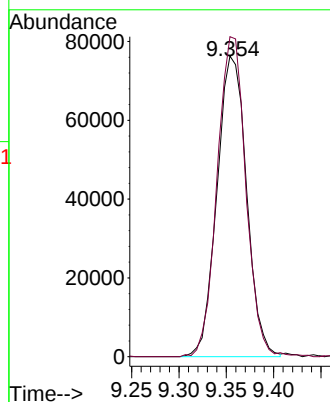
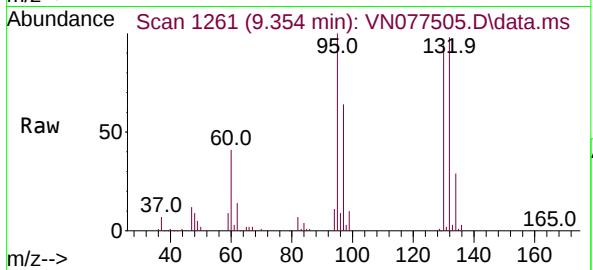
#37
Trichloroethene
Concen: 19.744 ug/l
RT: 9.354 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01

Tgt Ion:130 Resp: 165884
Ion Ratio Lower Upper
130 100
95 106.5 87.1 130.7

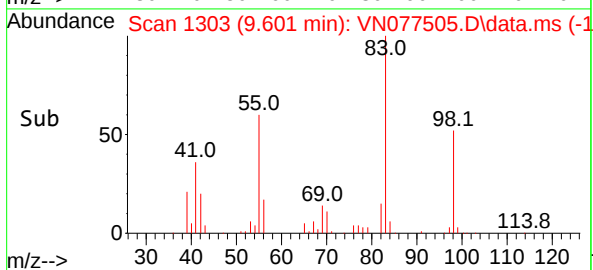
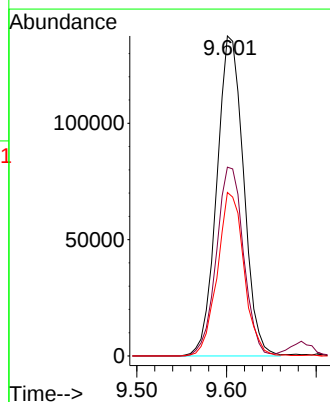
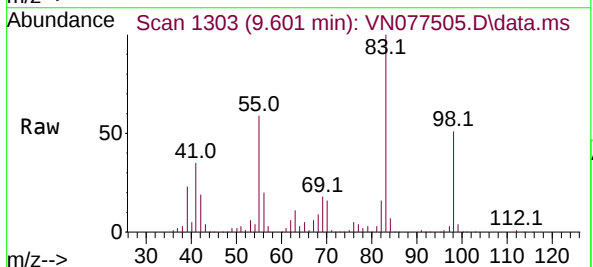
Manual Integrations
APPROVED

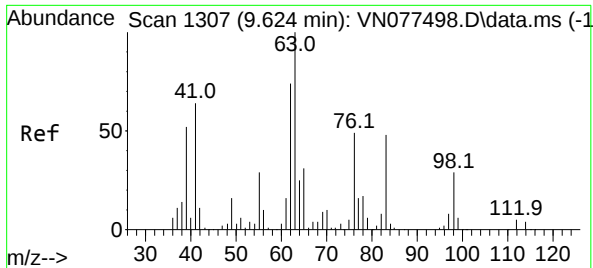
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#38
Methylcyclohexane
Concen: 20.072 ug/l
RT: 9.601 min Scan# 1303
Delta R.T. -0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 83 Resp: 285032
Ion Ratio Lower Upper
83 100
55 59.9 29.6 88.9
98 50.8 25.1 75.3





#39

1,2-Dichloropropane

Concen: 20.076 ug/l

RT: 9.624 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBSD01

Tgt Ion: 63 Resp: 15456

Ion Ratio Lower Upper

63 100

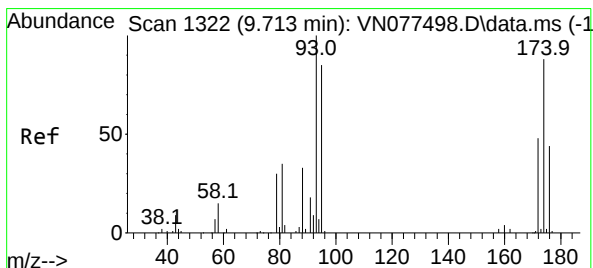
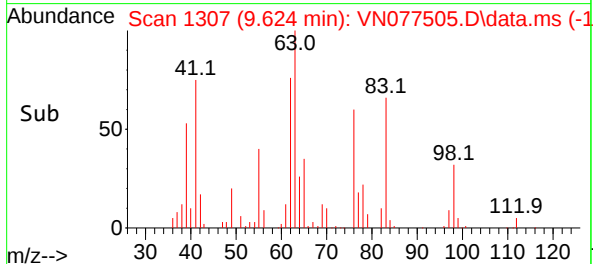
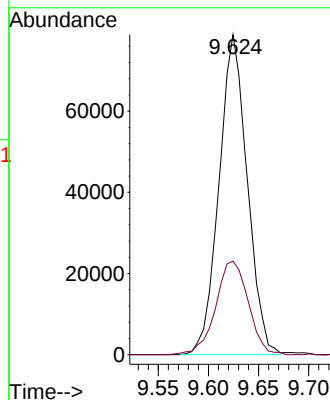
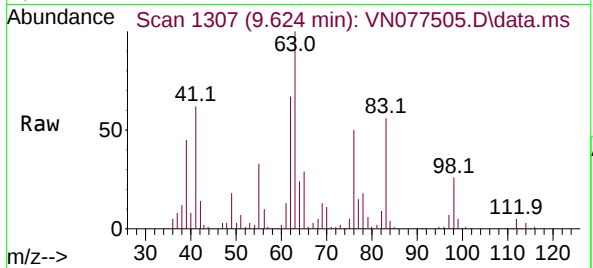
65 28.8 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#40

Dibromomethane

Concen: 19.391 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

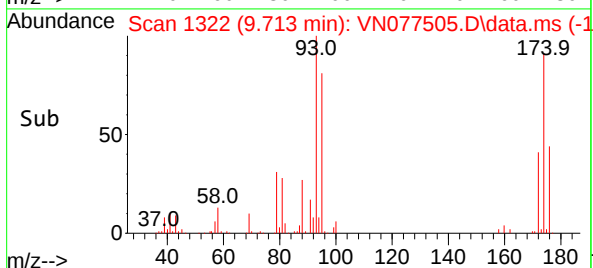
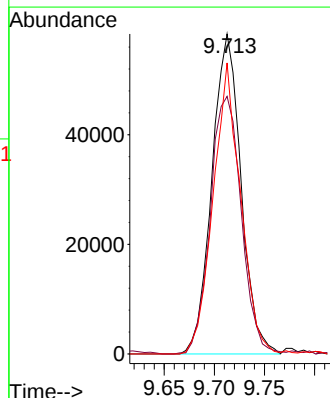
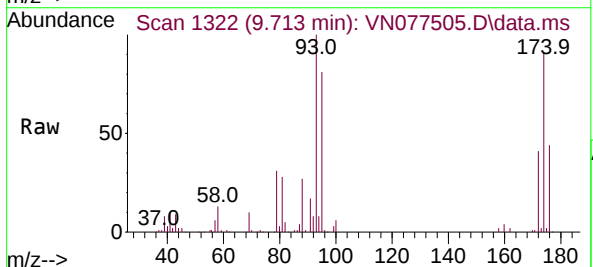
Tgt Ion: 93 Resp: 117738

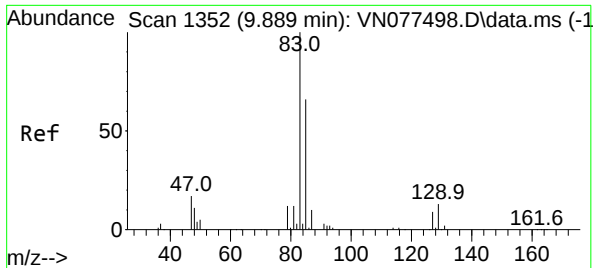
Ion Ratio Lower Upper

93 100

95 85.6 0.0 171.0

174 86.0 0.0 164.2





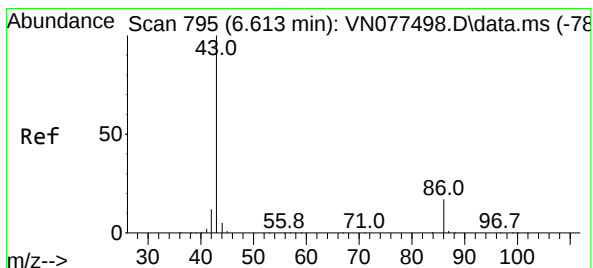
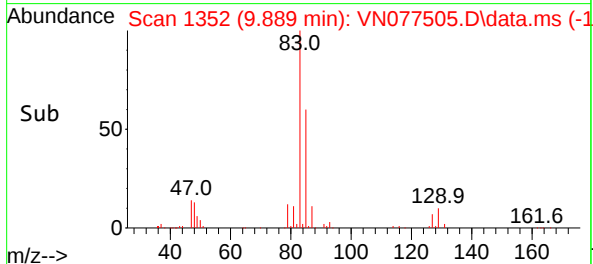
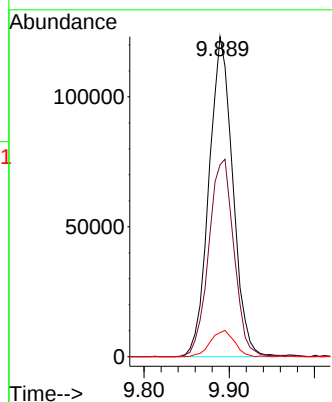
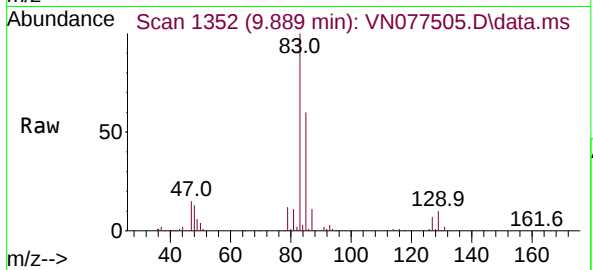
#41
Bromodichloromethane
Concen: 19.960 ug/l
RT: 9.889 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01

Tgt Ion: 83 Resp: 239358
Ion Ratio Lower Upper
83 100
85 59.9 49.2 73.8
127 7.5 6.1 9.1

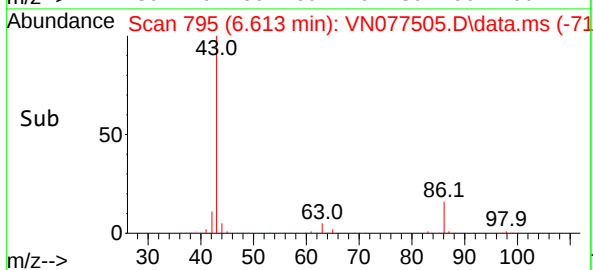
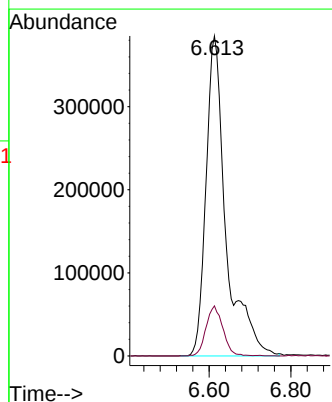
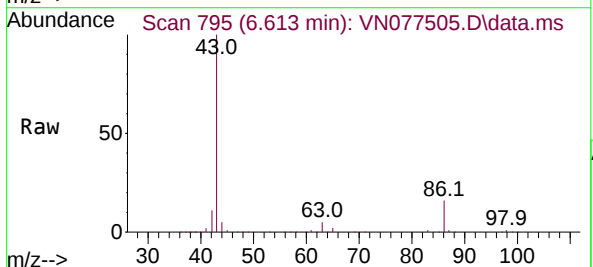
Manual Integrations
APPROVED

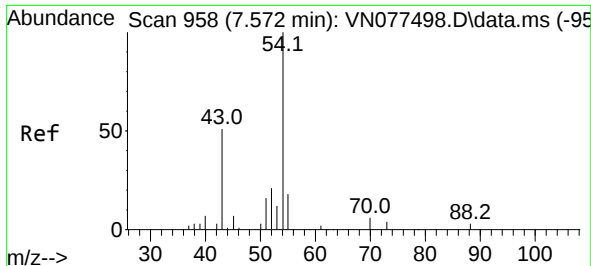
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#42
Vinyl Acetate
Concen: 104.901 ug/l m
RT: 6.613 min Scan# 795
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 43 Resp: 1309250
Ion Ratio Lower Upper
43 100
86 13.1 12.6 18.8





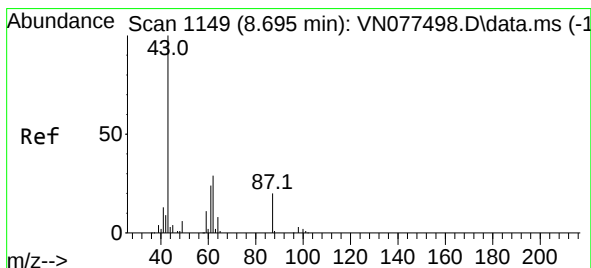
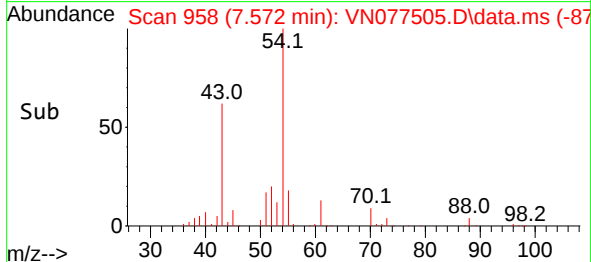
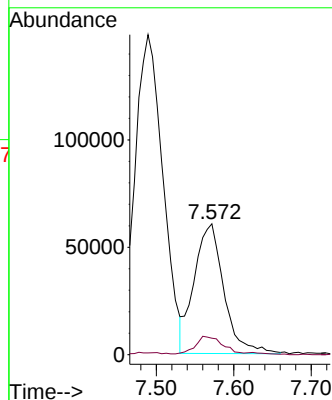
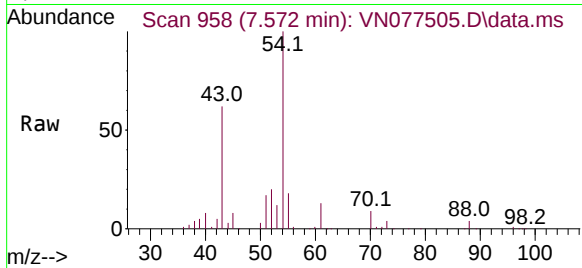
#43
Ethyl Acetate
Concen: 20.977 ug/l
RT: 7.572 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01

Tgt Ion: 43 Resp: 160907
Ion Ratio Lower Upper
43 100
45 13.1 4.8 7.2

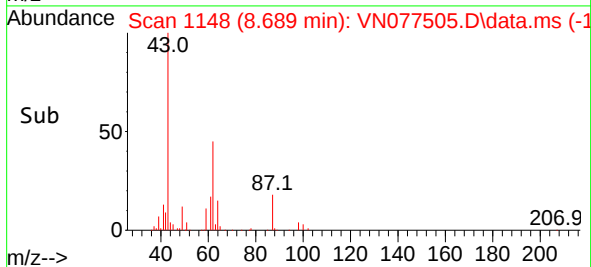
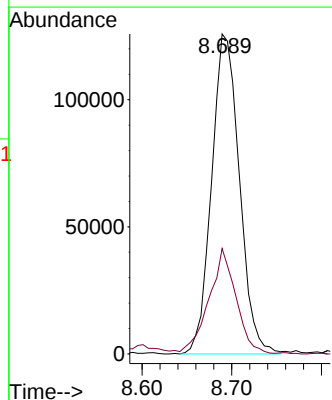
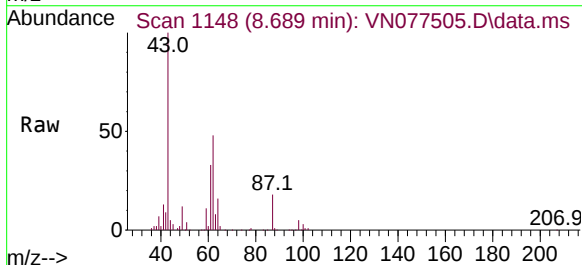
Manual Integrations
APPROVED

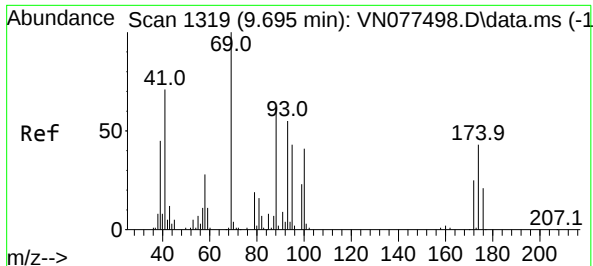
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#44
Isopropyl Acetate
Concen: 19.918 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. -0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 43 Resp: 270646
Ion Ratio Lower Upper
43 100
61 31.5 27.2 40.8





#45

1,4-Dioxane

Concen: 385.656 ug/l

RT: 9.701 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBSD01

Tgt Ion: 88 Resp: 63550

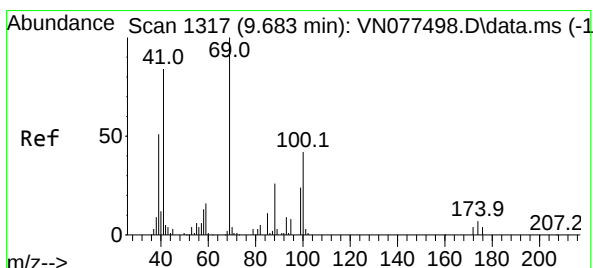
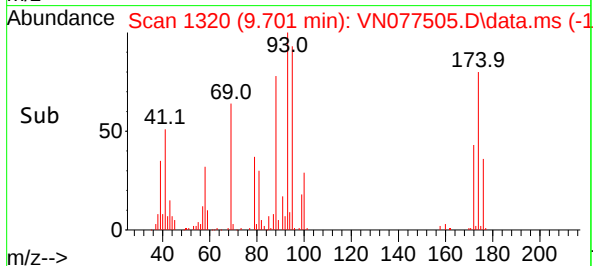
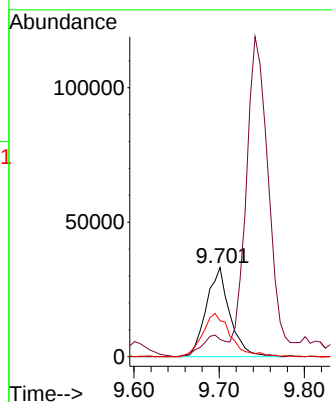
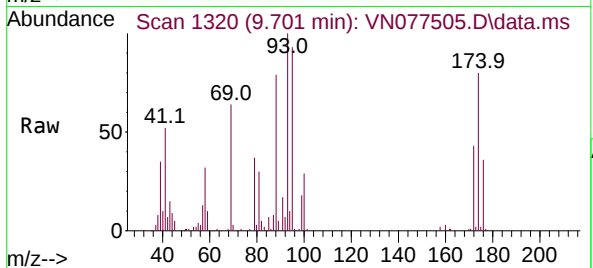
Ion	Ratio	Lower	Upper
88	100		
43	25.9	16.6	24.8
58	55.9	47.3	70.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#46

Methyl methacrylate

Concen: 19.089 ug/l

RT: 9.683 min Scan# 1317

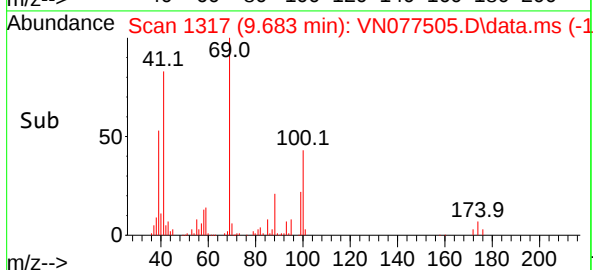
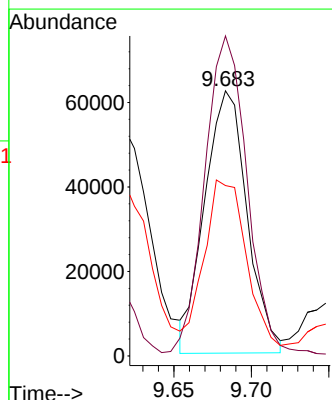
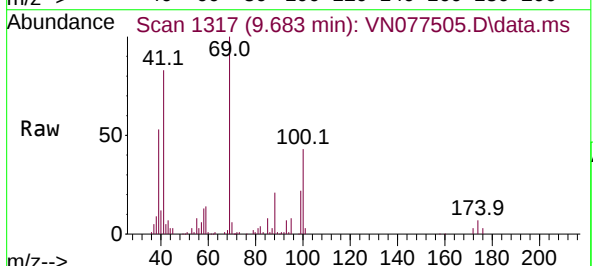
Delta R.T. 0.000 min

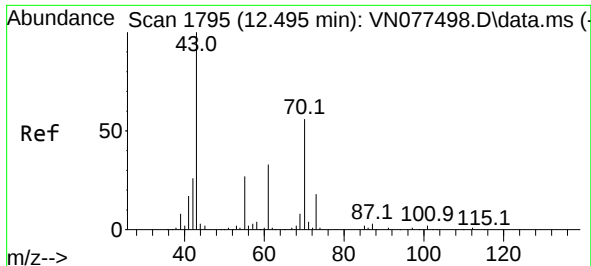
Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

Tgt Ion: 41 Resp: 118044

Ion	Ratio	Lower	Upper
41	100		
69	123.9	59.2	177.6
39	64.0	33.4	100.1





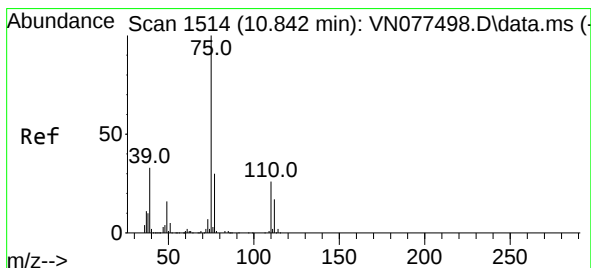
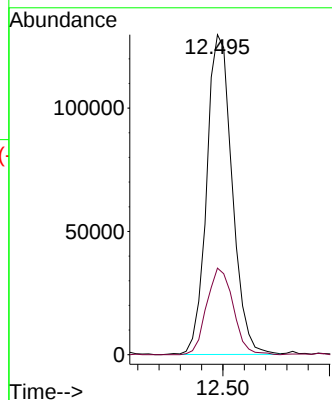
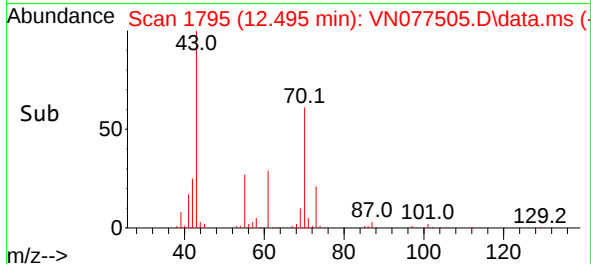
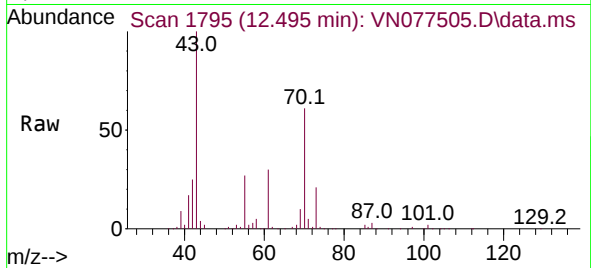
#47
n-amy1 Acetate
Concen: 19.751 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01

Tgt Ion: 43 Resp: 215134
Ion Ratio Lower Upper
43 100
55 28.1 22.2 33.2

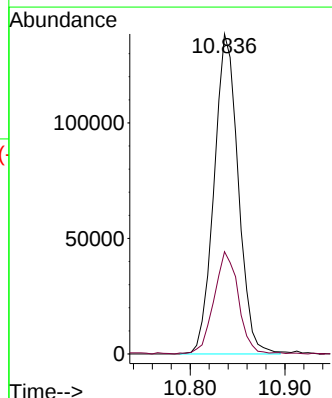
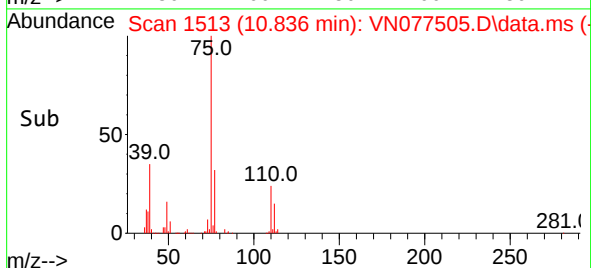
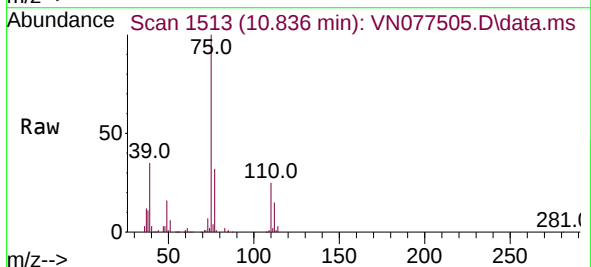
Manual Integrations
APPROVED

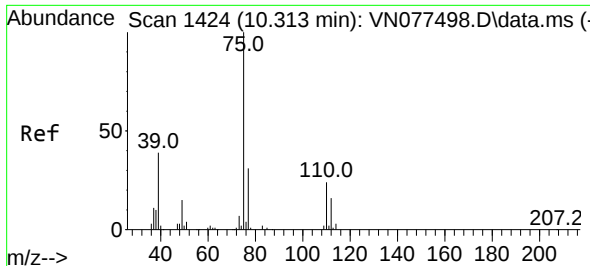
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#48
t-1,3-Dichloropropene
Concen: 20.106 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

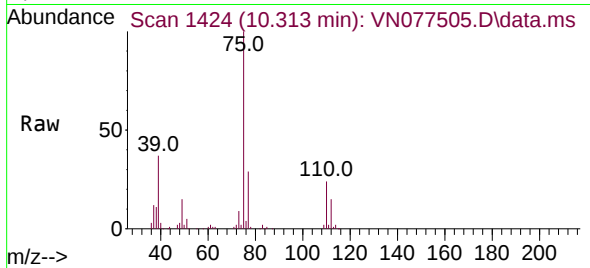
Tgt Ion: 75 Resp: 245470
Ion Ratio Lower Upper
75 100
77 31.6 23.9 35.9





#49
 cis-1,3-Dichloropropene
 Concen: 19.967 ug/l
 RT: 10.313 min Scan# 1424
 Delta R.T. -0.000 min
 Lab File: VN077505.D
 Acq: 28 Apr 2023 17:05

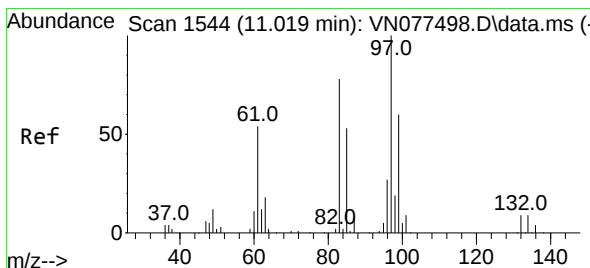
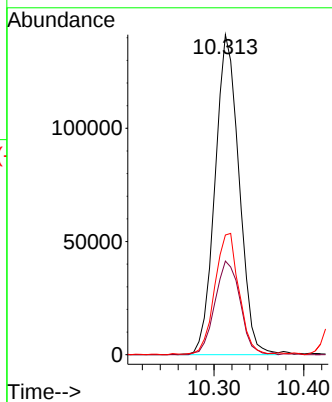
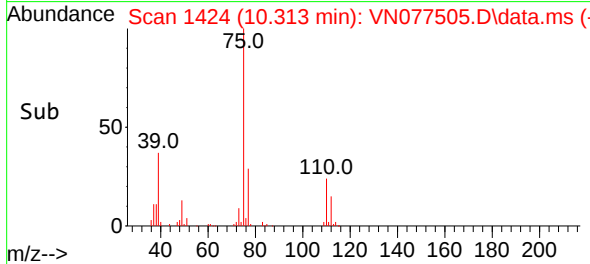
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBSD01



Tgt Ion: 75 Resp: 263154
 Ion Ratio Lower Upper
 75 100
 77 29.3 25.8 38.8
 39 37.2 28.5 42.7

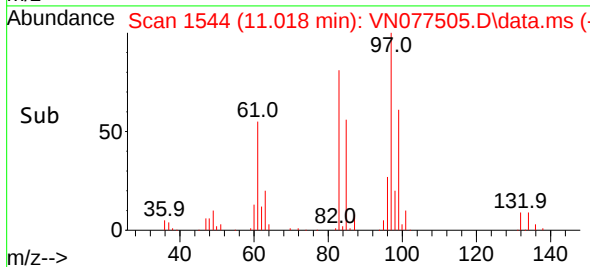
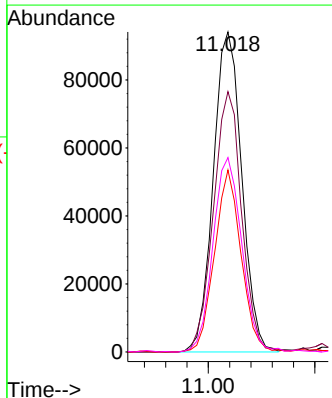
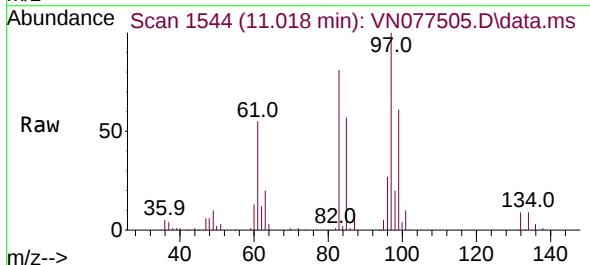
Manual Integrations
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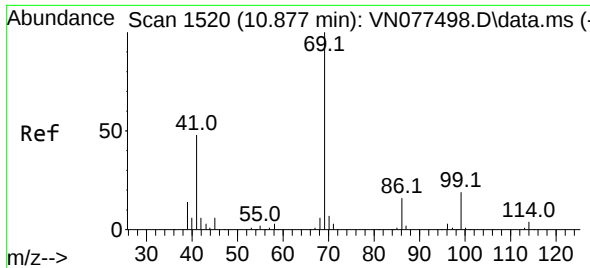
Reviewed By :John Carlone 04/29/2023
 Supervised By :Semsettin Yesilyurt 04/29/2023



#50
 1,1,2-Trichloroethane
 Concen: 20.258 ug/l
 RT: 11.018 min Scan# 1544
 Delta R.T. -0.000 min
 Lab File: VN077505.D
 Acq: 28 Apr 2023 17:05

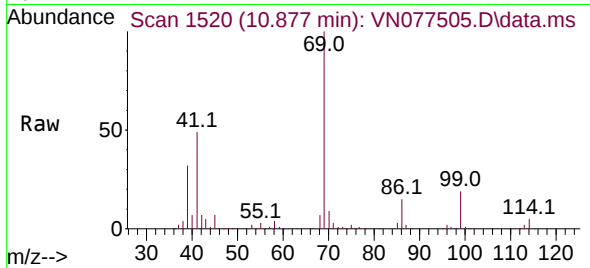
Tgt Ion: 97 Resp: 174607
 Ion Ratio Lower Upper
 97 100
 83 81.3 67.0 100.6
 85 56.8 41.6 62.4
 99 60.7 47.9 71.9





#51
Ethyl methacrylate
Concen: 20.297 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

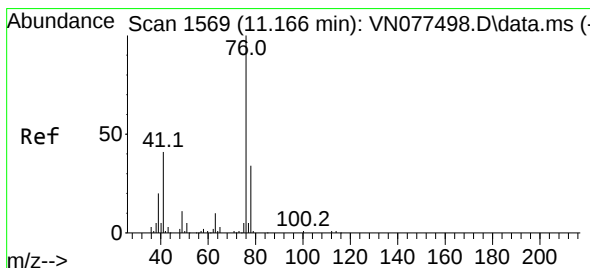
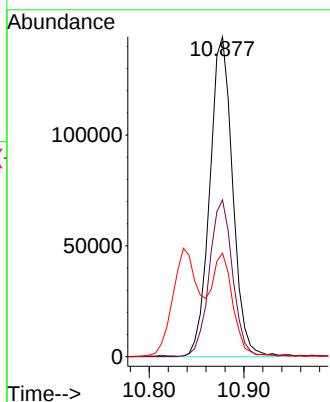
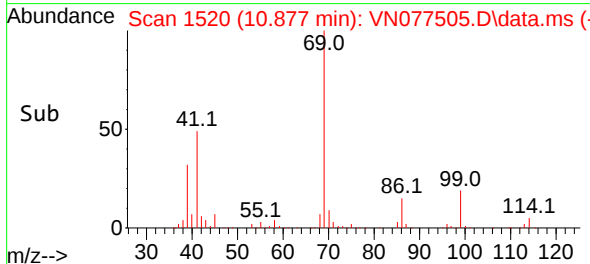
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



Tgt Ion: 69 Resp: 24220
Ion Ratio Lower Upper
69 100
41 48.9 22.5 67.5
39 31.8 16.2 48.5

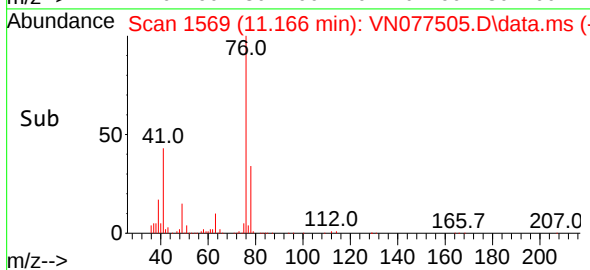
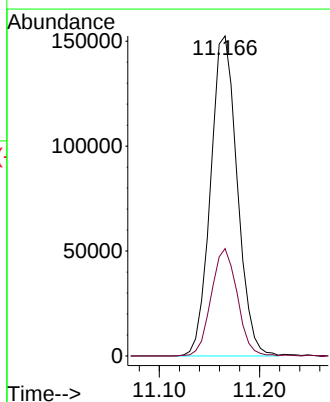
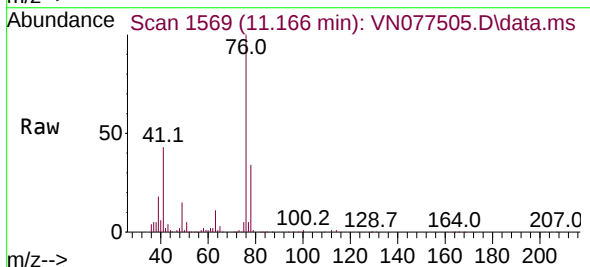
Manual Integrations
APPROVED

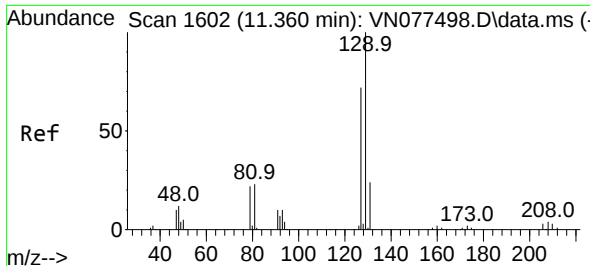
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#52
1,3-Dichloropropane
Concen: 20.111 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

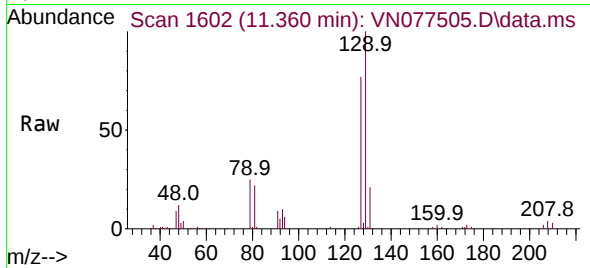
Tgt Ion: 76 Resp: 281287
Ion Ratio Lower Upper
76 100
78 32.8 0.0 64.4





#53
Dibromochloromethane
Concen: 20.023 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

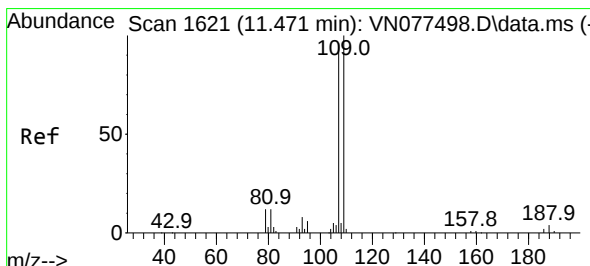
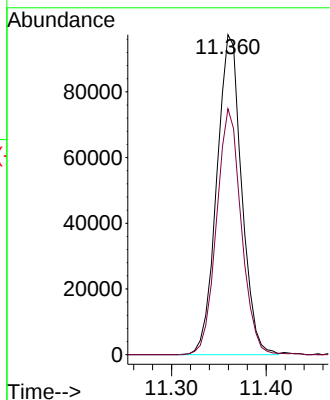
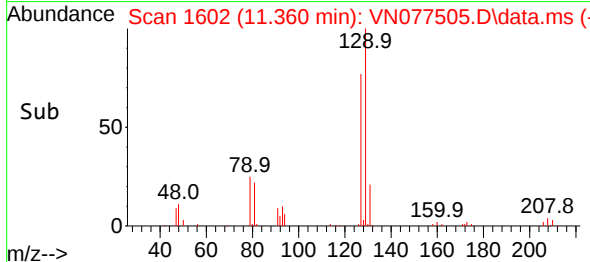
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



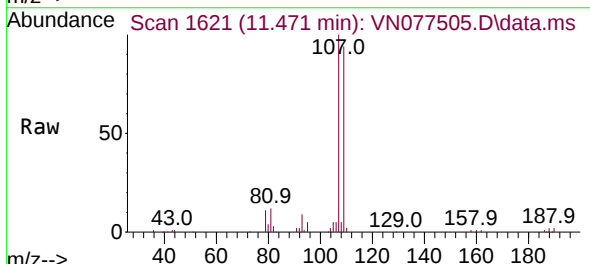
Tgt Ion:129 Resp: 177679
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6

Manual Integrations
APPROVED

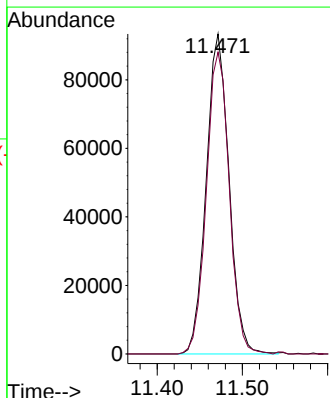
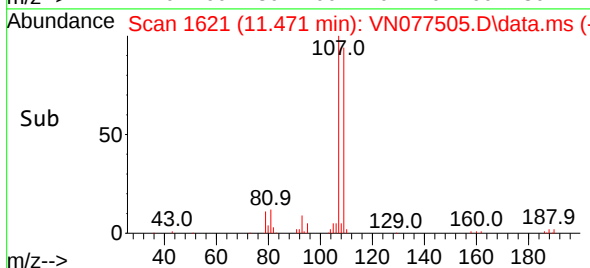
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

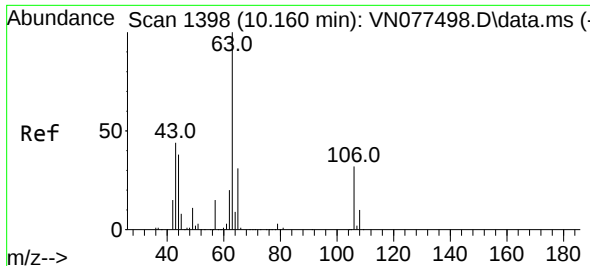


#54
1,2-Dibromoethane
Concen: 19.671 ug/l
RT: 11.471 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05



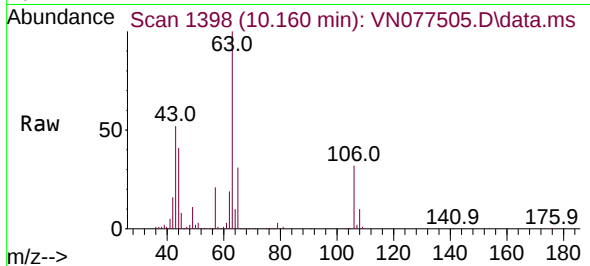
Tgt Ion:107 Resp: 173511
Ion Ratio Lower Upper
107 100
109 94.5 73.8 110.6





#55
2-Chloroethyl vinyl ether
Concen: 97.682 ug/l
RT: 10.160 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

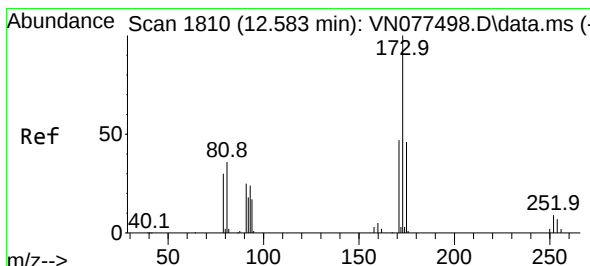
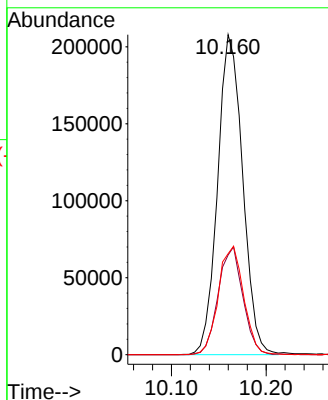
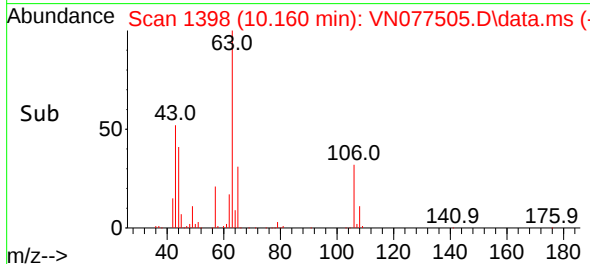
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



Tgt Ion: 63 Resp: 38249
Ion Ratio Lower Upper
63 100
65 33.0 25.8 38.6
106 34.2 26.2 39.2

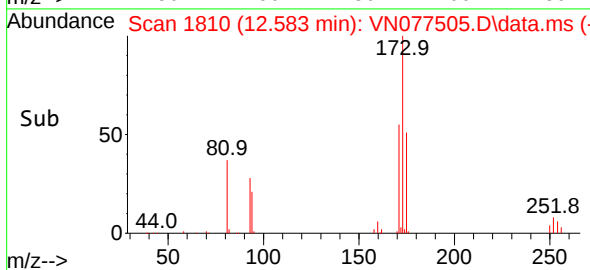
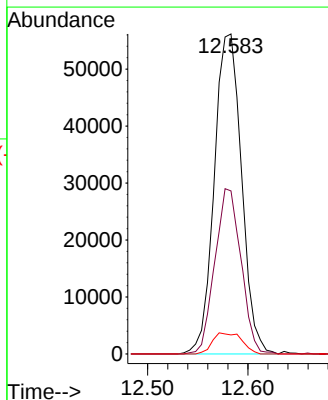
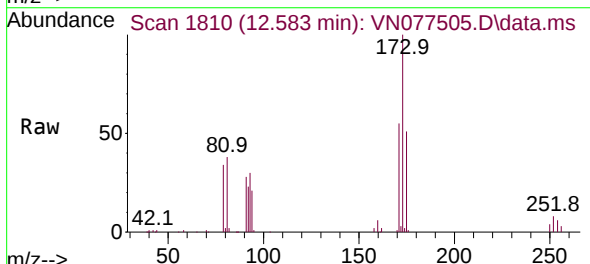
Manual Integrations
APPROVED

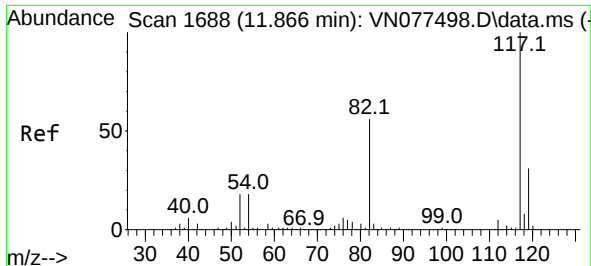
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#56
Bromoform
Concen: 19.173 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion:173 Resp: 106121
Ion Ratio Lower Upper
173 100
175 49.4 40.3 60.5
254 4.7 5.0 7.6#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBSD01

Tgt Ion:117 Resp: 54805

Ion Ratio Lower Upper

117 100

82 56.8 44.2 66.2

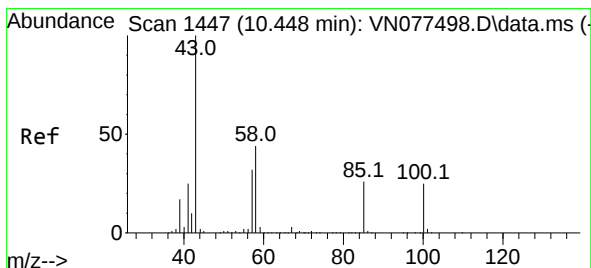
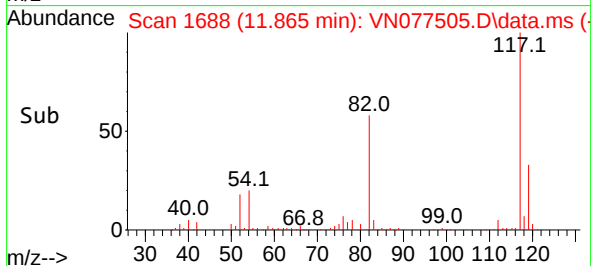
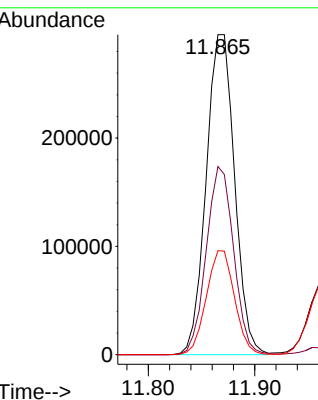
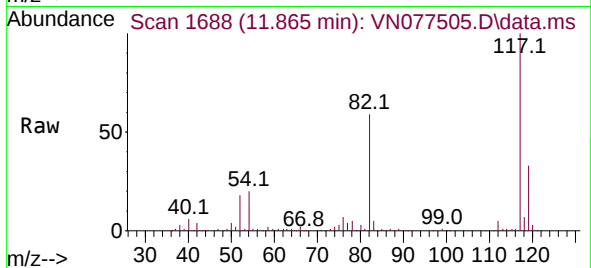
119 32.2 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#58

4-Methyl-2-Pentanone

Concen: 101.528 ug/l

RT: 10.448 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

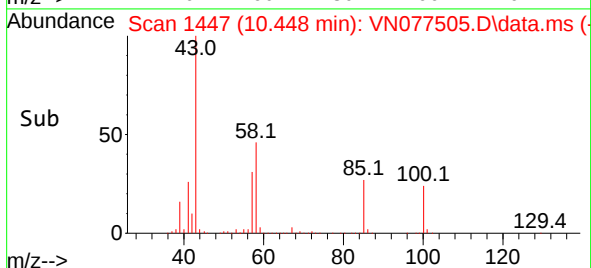
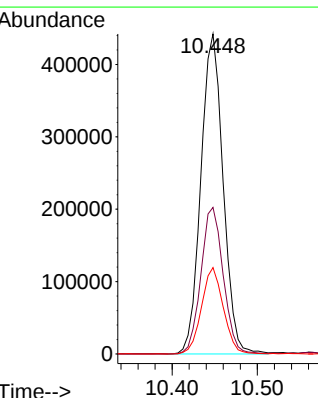
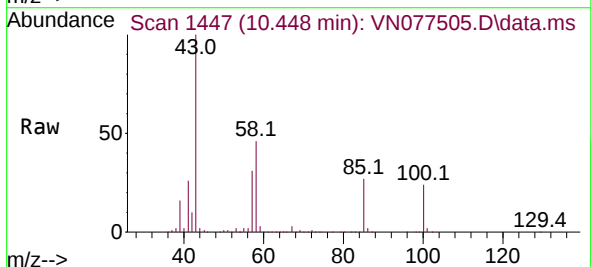
Tgt Ion: 43 Resp: 801344

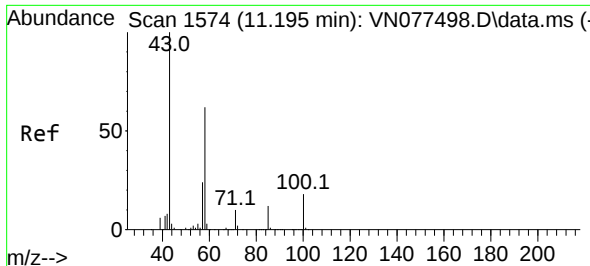
Ion Ratio Lower Upper

43 100

58 46.1 37.2 55.8

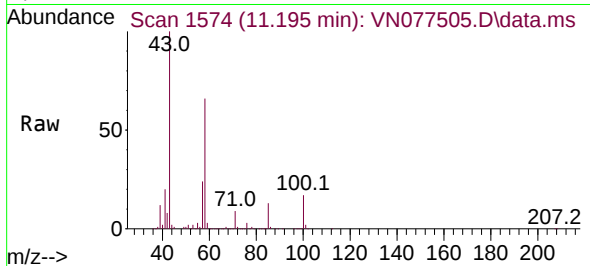
85 26.5 21.1 31.7





#59
2-Hexanone
Concen: 101.848 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

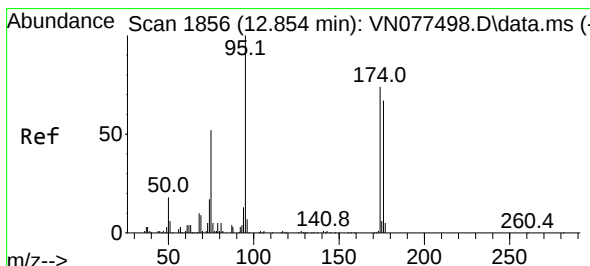
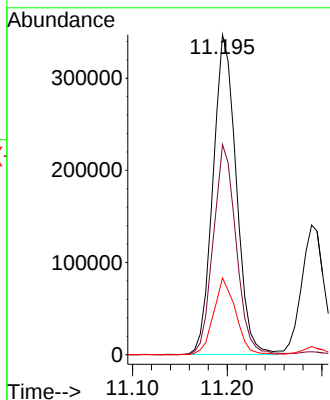
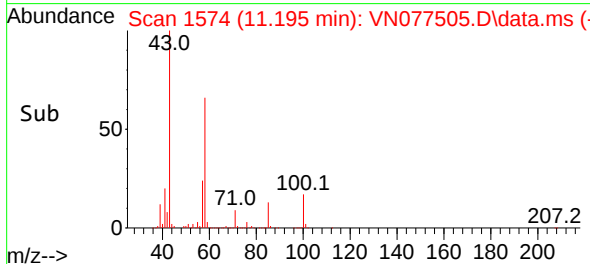
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



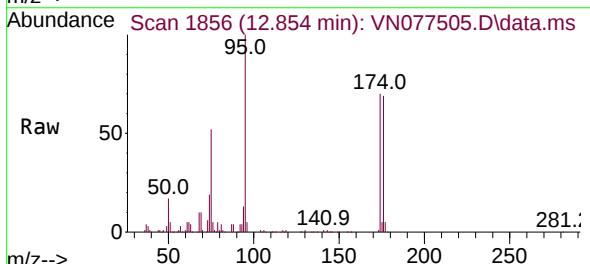
Tgt Ion: 43 Resp: 59225
Ion Ratio Lower Upper
43 100
58 64.8 51.8 77.8
57 22.9 18.2 27.4

Manual Integrations
APPROVED

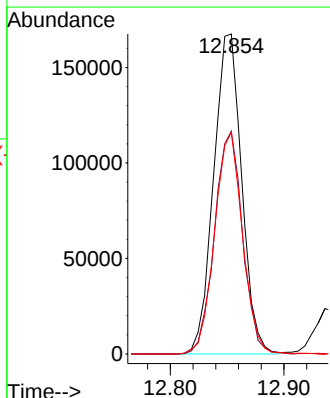
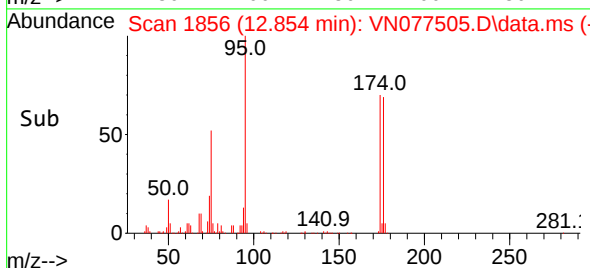
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

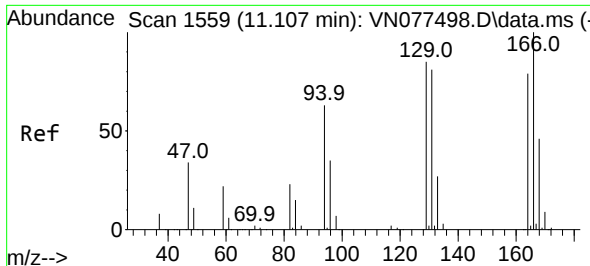


#60
4-Bromofluorobenzene
Concen: 29.939 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05



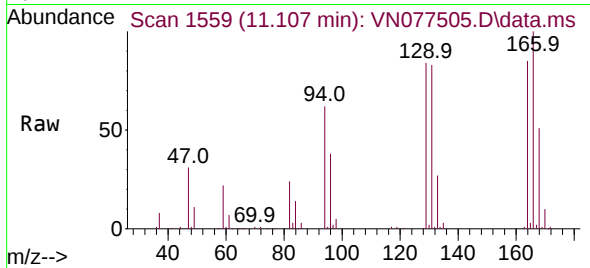
Tgt Ion: 95 Resp: 287466
Ion Ratio Lower Upper
95 100
174 69.4 55.9 83.9
176 68.6 53.9 80.9





#61
Tetrachloroethene
Concen: 20.051 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

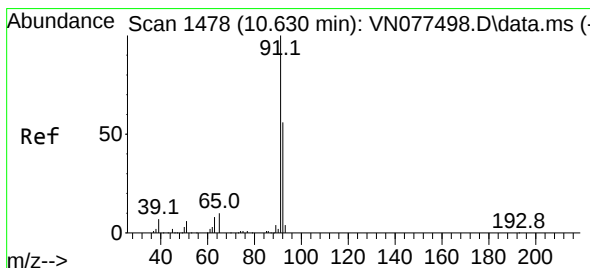
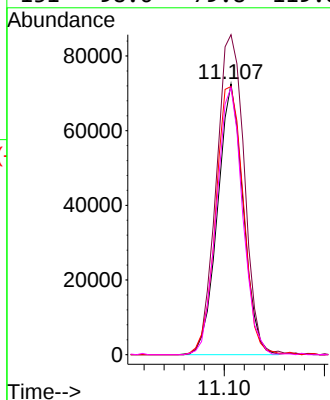
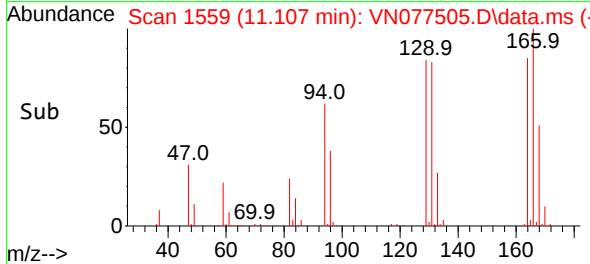
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



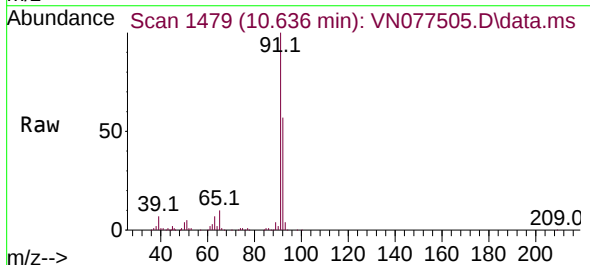
Tgt Ion:164 Resp: 128359
Ion Ratio Lower Upper
164 100
166 118.2 94.5 141.7
129 99.0 80.2 120.2
131 98.6 79.8 119.8

Manual Integrations
APPROVED

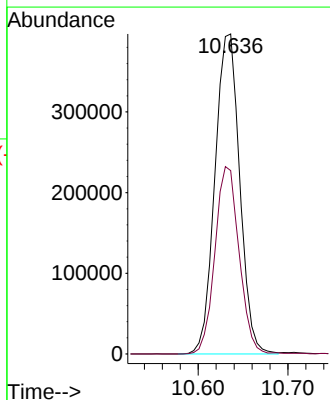
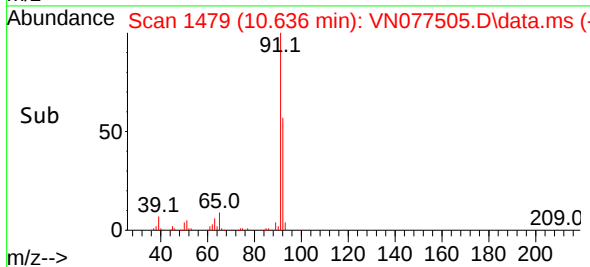
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

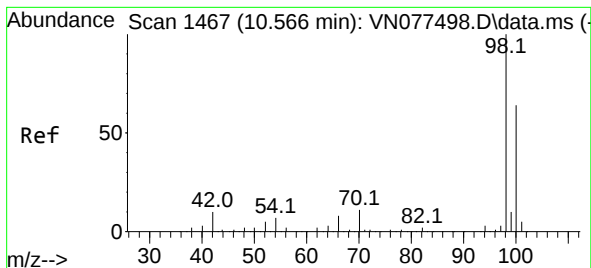


#62
Toluene
Concen: 20.619 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05



Tgt Ion: 91 Resp: 760002
Ion Ratio Lower Upper
91 100
92 57.0 46.1 69.1





#63

Toluene-d8

Concen: 30.038 ug/l

RT: 10.571 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBSD01

Tgt Ion: 98 Resp: 580090

Ion Ratio Lower Upper

98 100

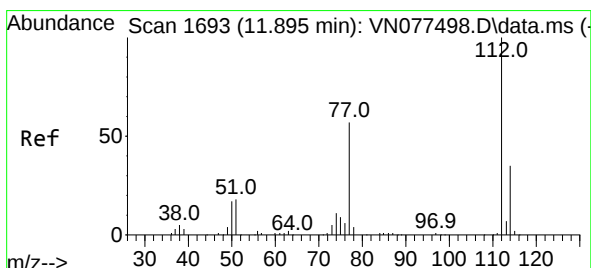
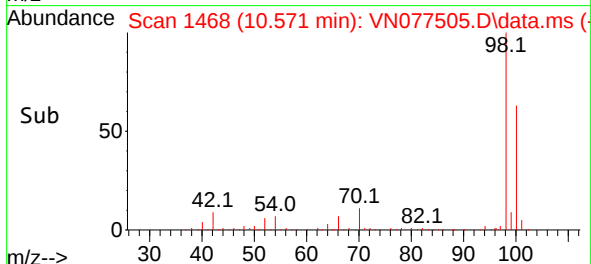
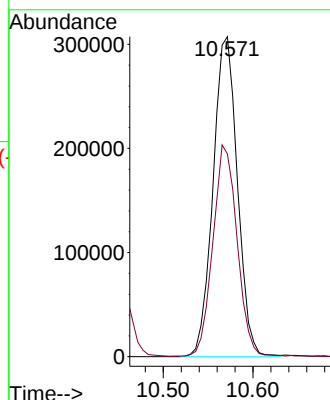
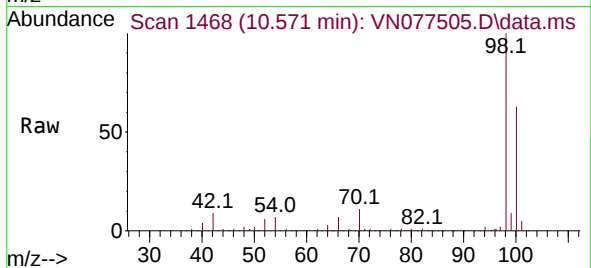
100 65.2 51.0 76.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#64

Chlorobenzene

Concen: 20.161 ug/l

RT: 11.895 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VN077505.D

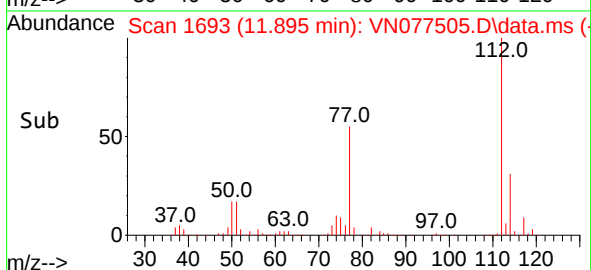
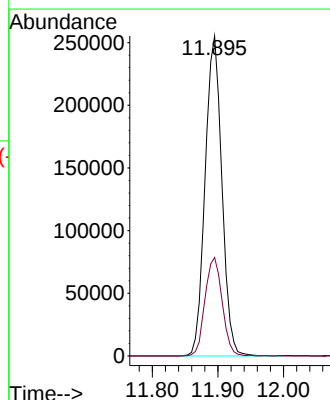
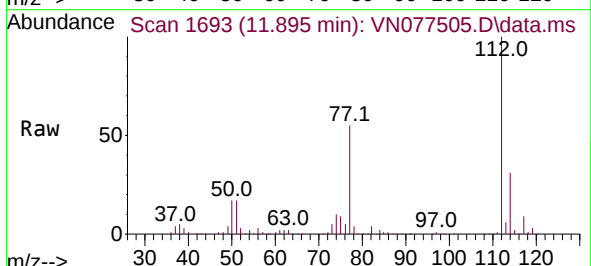
Acq: 28 Apr 2023 17:05

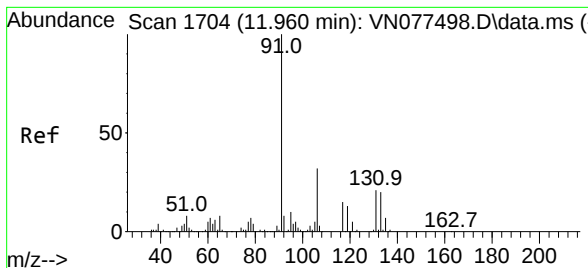
Tgt Ion:112 Resp: 453975

Ion Ratio Lower Upper

112 100

114 30.8 23.9 35.9





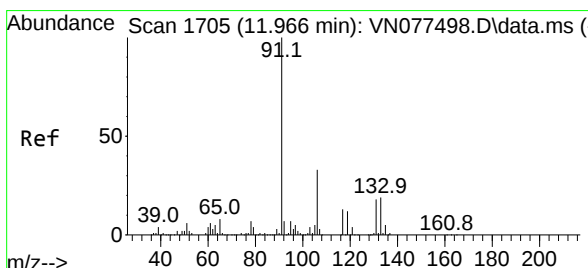
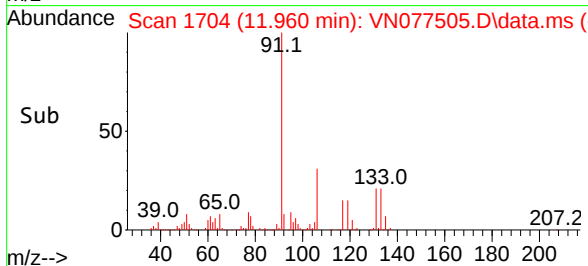
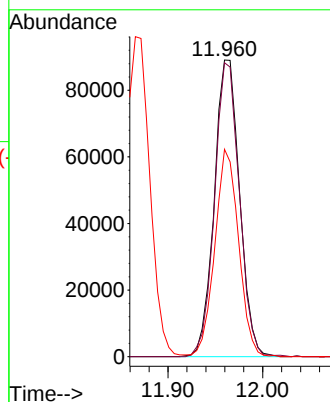
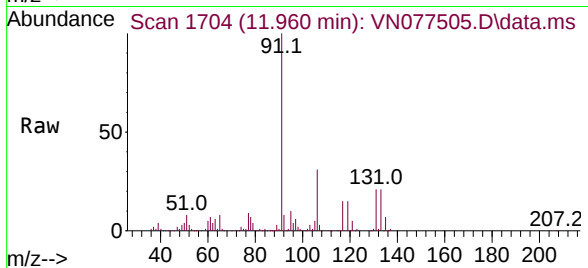
#65
1,1,1,2-Tetrachloroethane
Concen: 20.577 ug/l
RT: 11.960 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01

Tgt Ion:131 Resp: 16558
Ion Ratio Lower Upper
131 100
133 96.5 0.0 191.4
119 65.1 0.0 137.2

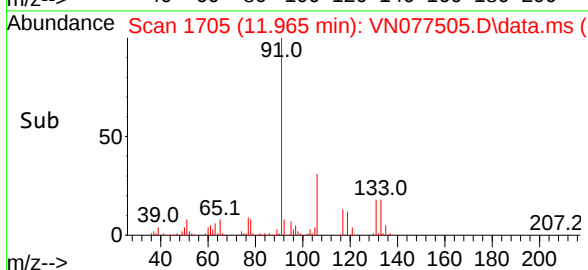
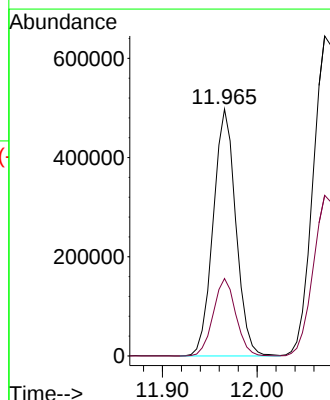
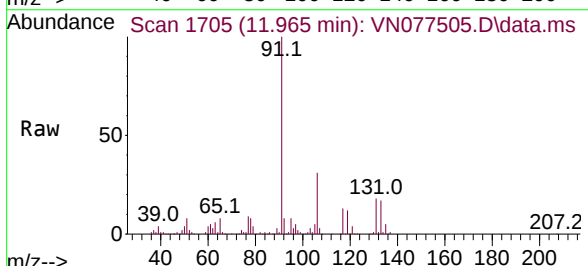
Manual Integrations
APPROVED

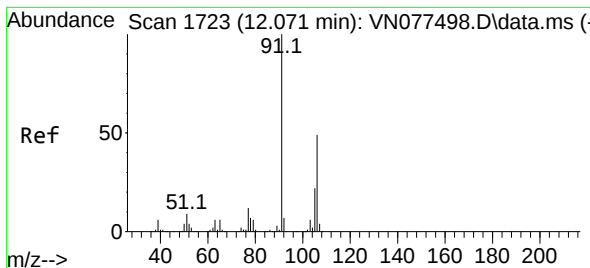
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#66
Ethyl Benzene
Concen: 20.548 ug/l
RT: 11.965 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 91 Resp: 827007
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3





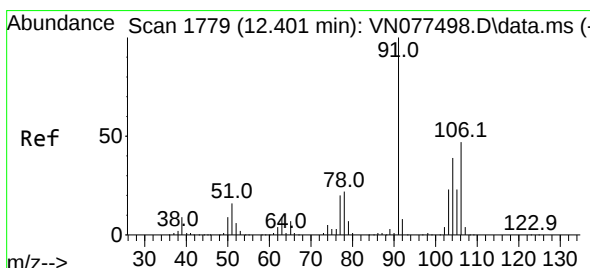
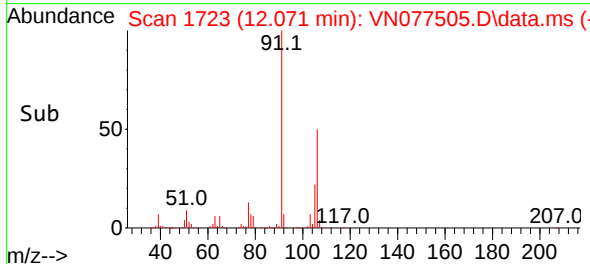
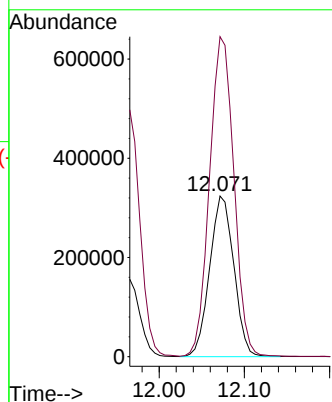
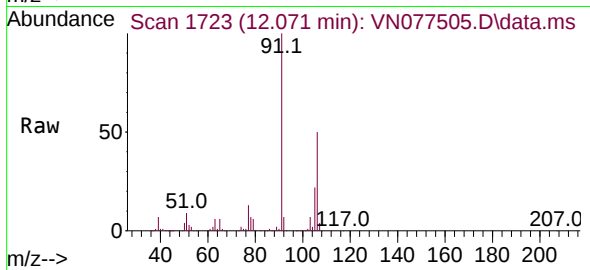
#67
m/p-Xylenes
Concen: 40.812 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01

Tgt Ion:106 Resp: 639625
Ion Ratio Lower Upper
106 100
91 199.8 157.9 236.9

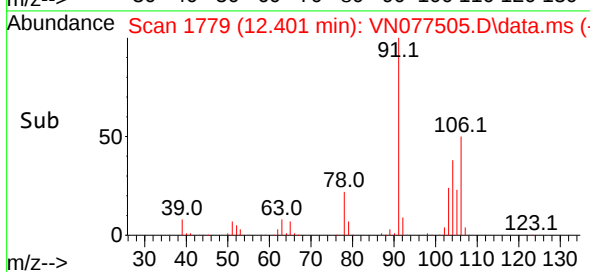
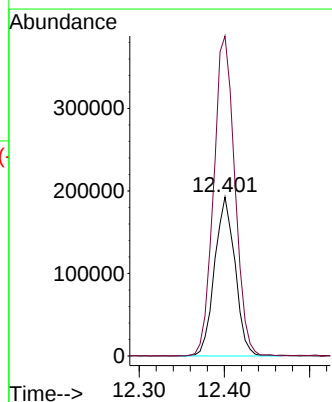
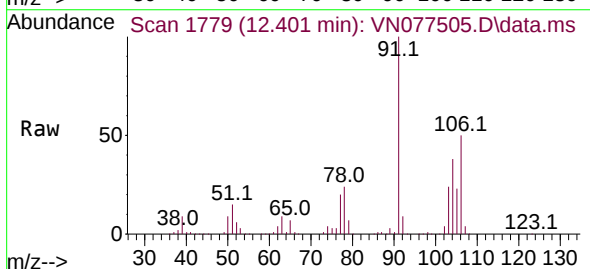
Manual Integrations
APPROVED

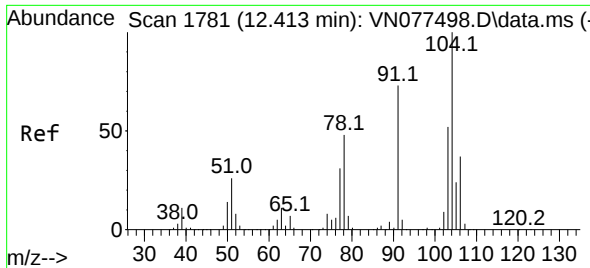
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#68
o-Xylene
Concen: 20.652 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion:106 Resp: 321498
Ion Ratio Lower Upper
106 100
91 207.8 104.6 313.8





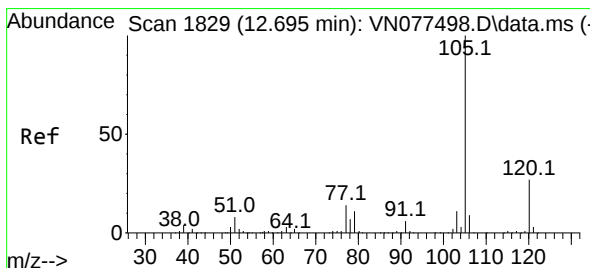
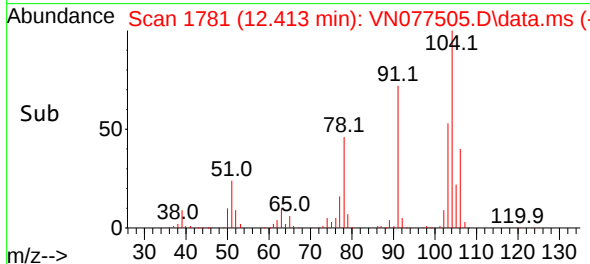
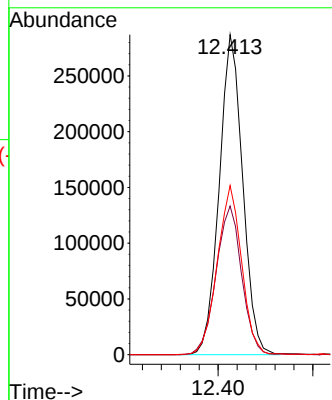
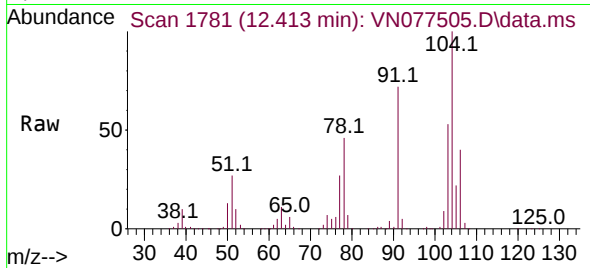
#69
Styrene
Concen: 20.408 ug/l
RT: 12.413 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01

Tgt Ion:104 Resp: 49402
Ion Ratio Lower Upper
104 100
78 50.6 39.3 58.9
103 54.8 44.6 66.8

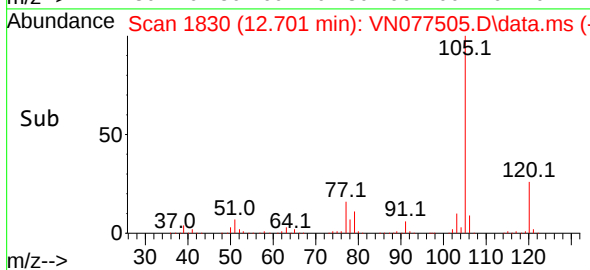
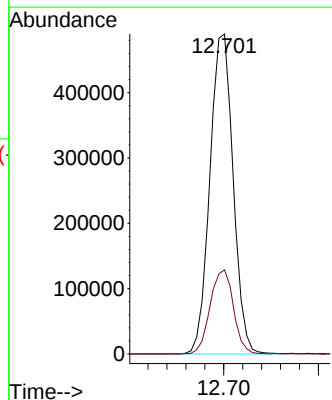
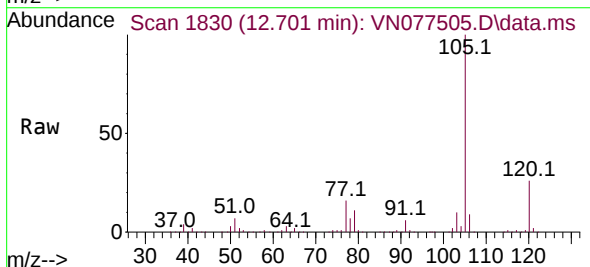
Manual Integrations
APPROVED

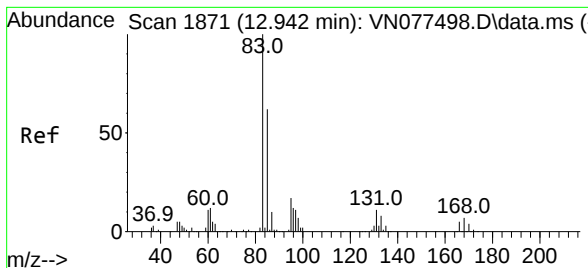
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#70
Isopropylbenzene
Concen: 21.096 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. 0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion:105 Resp: 833606
Ion Ratio Lower Upper
105 100
120 26.3 18.7 34.7





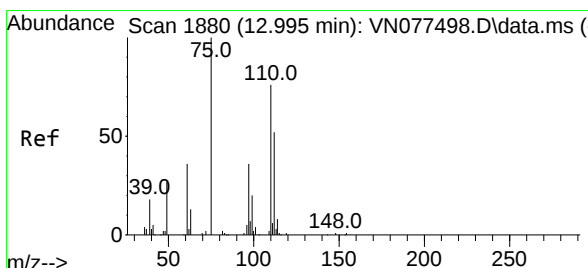
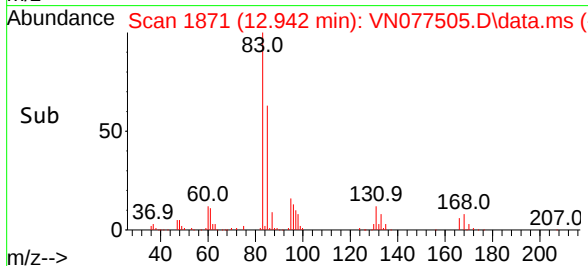
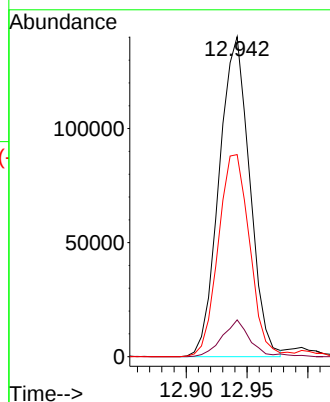
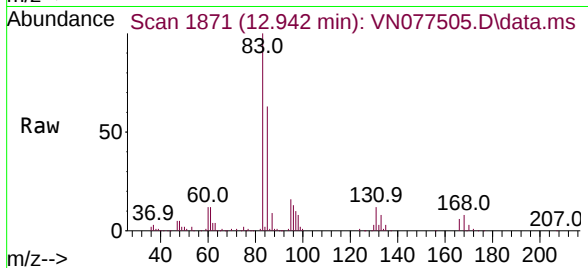
#71
1,1,2,2-Tetrachloroethane
Concen: 20.356 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01

Tgt Ion: 83 Resp: 24502
Ion Ratio Lower Upper
83 100
131 10.2 4.8 14.3
85 65.2 31.6 94.8

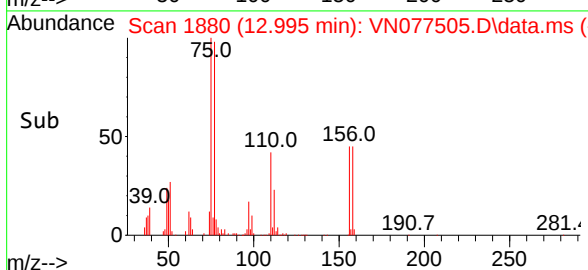
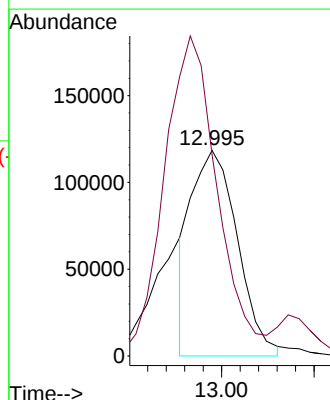
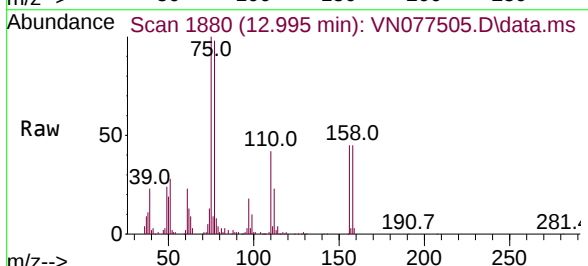
Manual Integrations
APPROVED

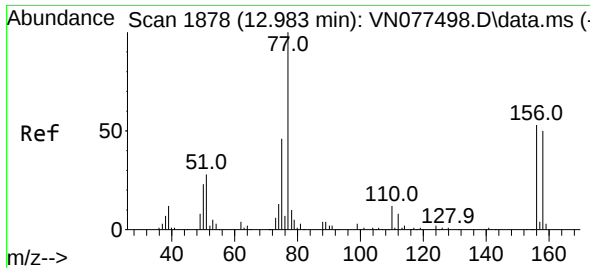
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#72
1,2,3-Trichloropropane
Concen: 20.055 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 75 Resp: 205345
Ion Ratio Lower Upper
75 100
77 179.7 0.0 367.2





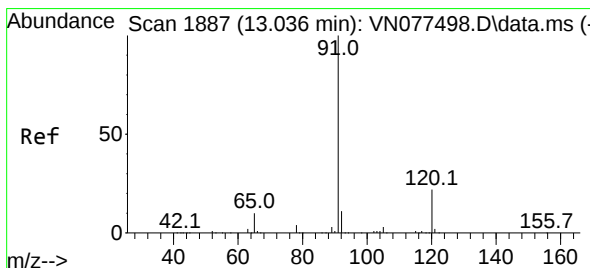
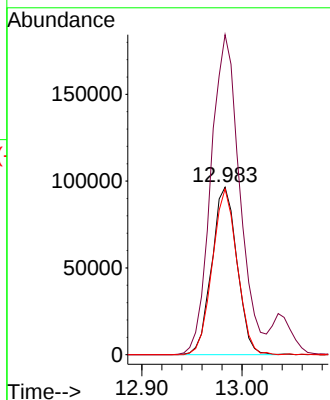
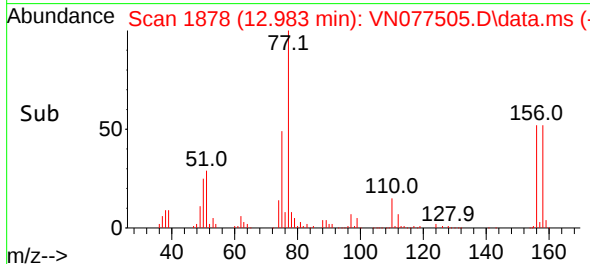
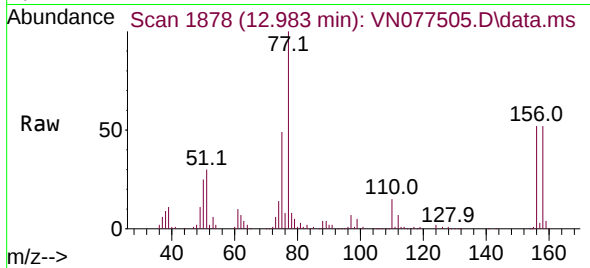
#73
Bromobenzene
Concen: 19.831 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01

Tgt Ion:156 Resp: 16851
Ion Ratio Lower Upper
156 100
77 218.9 0.0 431.6
158 97.2 0.0 192.4

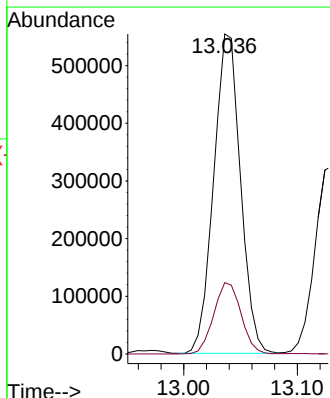
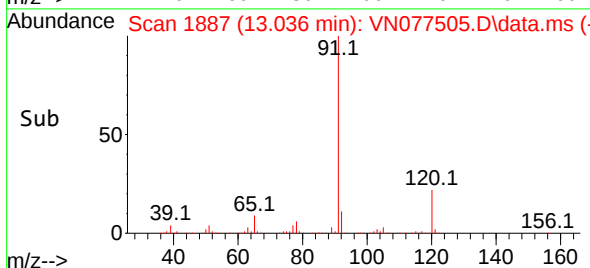
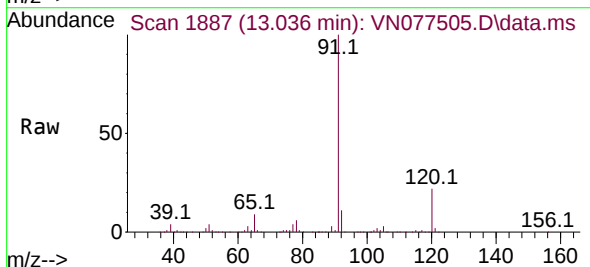
Manual Integrations
APPROVED

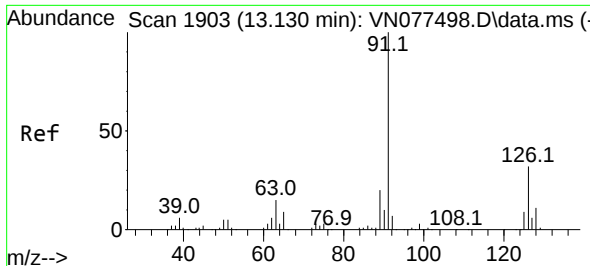
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#74
n-propylbenzene
Concen: 20.666 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 91 Resp: 908741
Ion Ratio Lower Upper
91 100
120 22.8 0.0 46.4





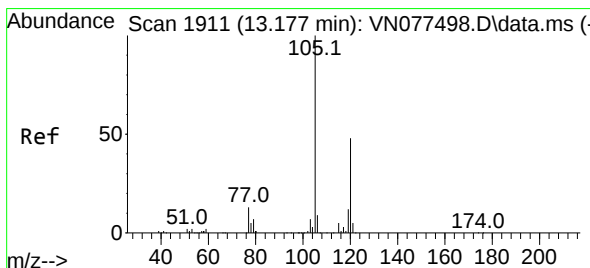
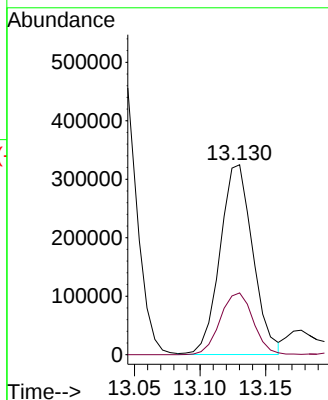
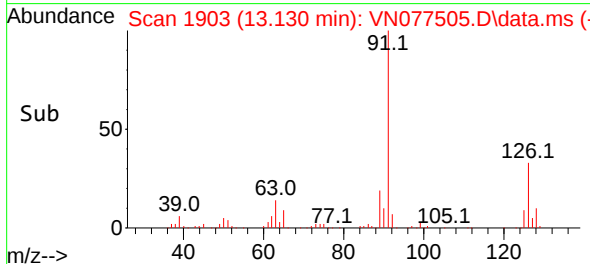
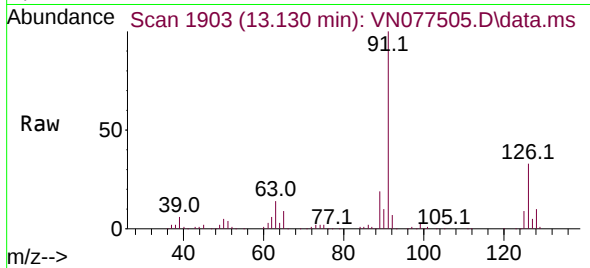
#75
2-Chlorotoluene
Concen: 20.869 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01

Tgt Ion: 91 Resp: 56600
Ion Ratio Lower Upper
91 100
126 32.7 0.0 65.2

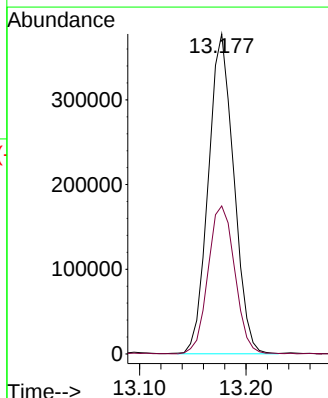
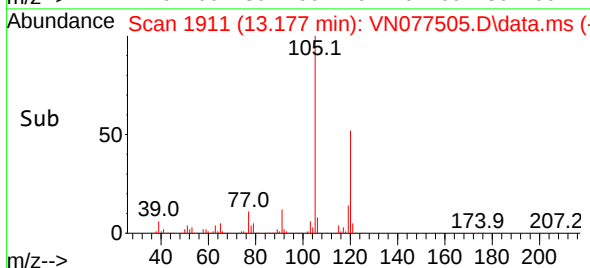
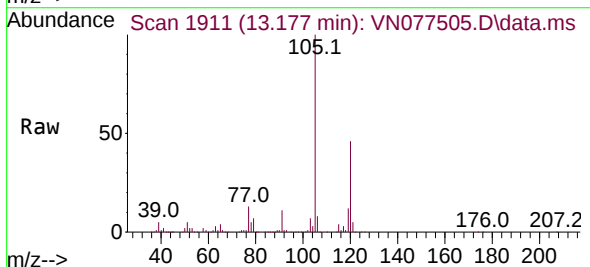
Manual Integrations
APPROVED

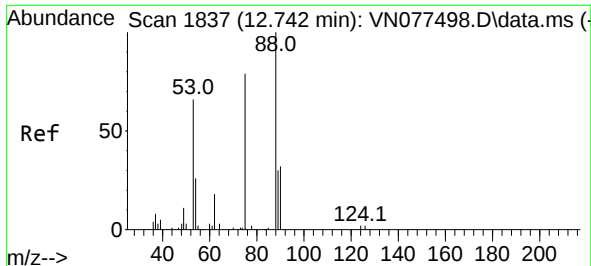
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#76
1,3,5-Trimethylbenzene
Concen: 20.588 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

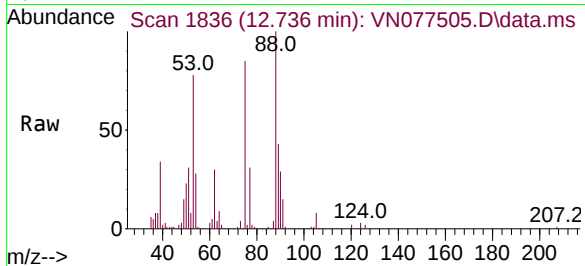
Tgt Ion:105 Resp: 627103
Ion Ratio Lower Upper
105 100
120 48.6 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 20.554 ug/l
RT: 12.736 min Scan# 1836
Delta R.T. -0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

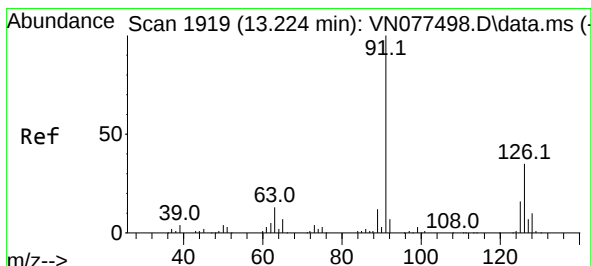
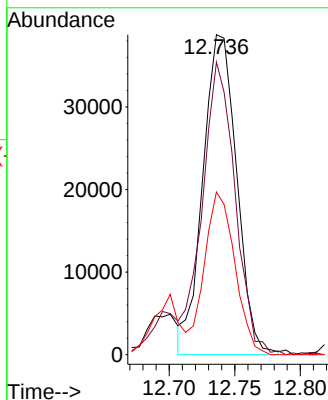
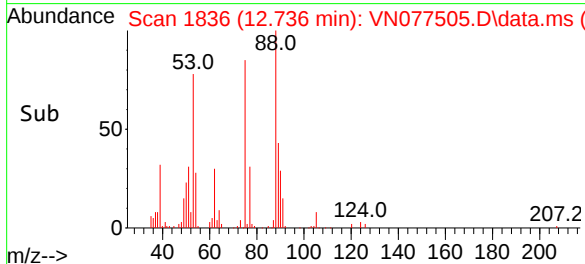
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



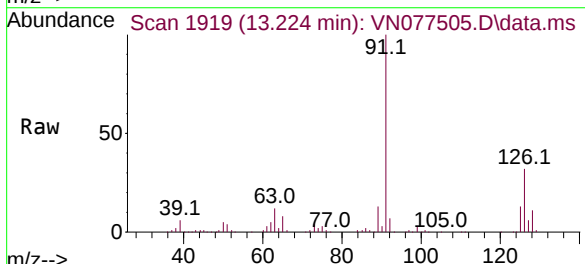
Tgt Ion: 75 Resp: 69510
Ion Ratio Lower Upper
75 100
53 91.1 38.2 114.6
89 51.3 22.1 66.1

Manual Integrations
APPROVED

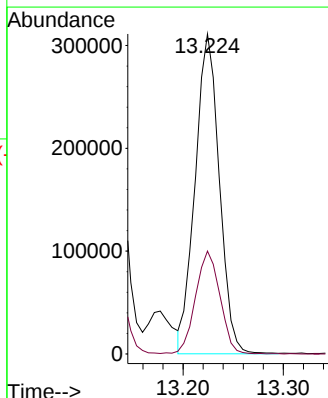
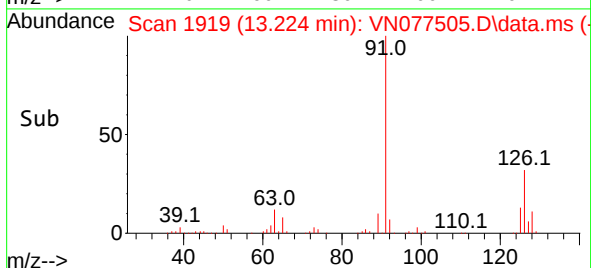
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

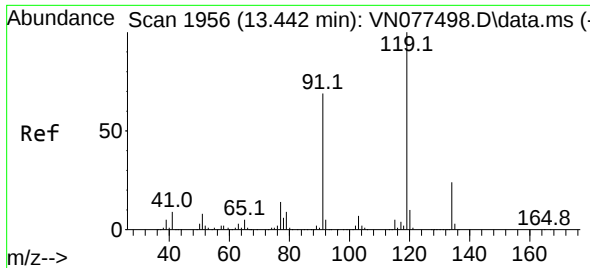


#78
4-Chlorotoluene
Concen: 20.339 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05



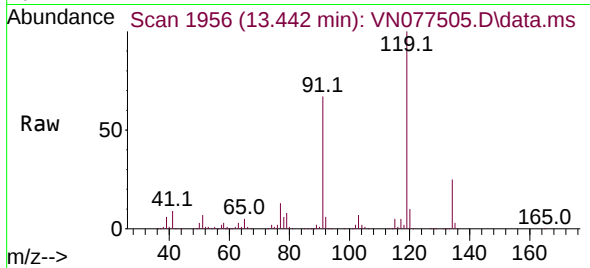
Tgt Ion: 91 Resp: 522231
Ion Ratio Lower Upper
91 100
126 32.5 0.0 65.6





#79
tert-butylbenzene
Concen: 20.550 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

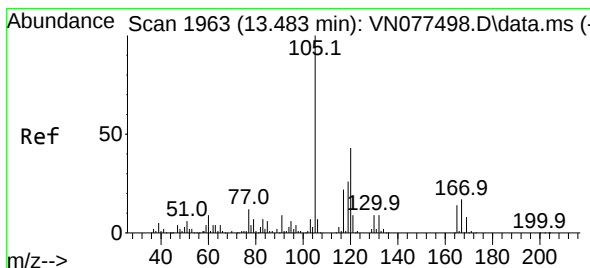
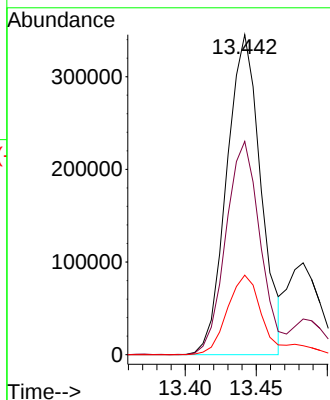
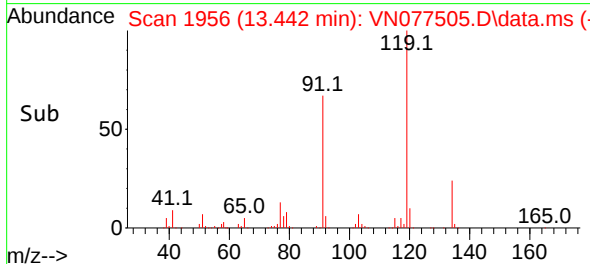
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



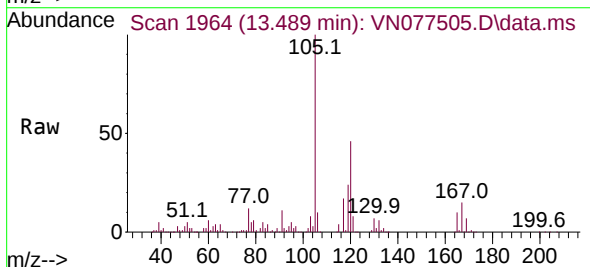
Tgt Ion:119 Resp: 57902
Ion Ratio Lower Upper
119 100
91 67.8 0.0 139.4
134 24.7 0.0 49.2

Manual Integrations
APPROVED

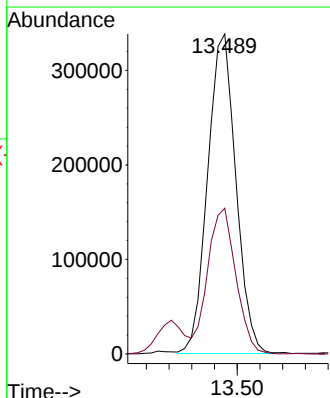
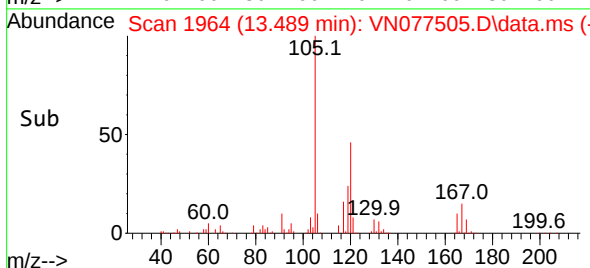
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

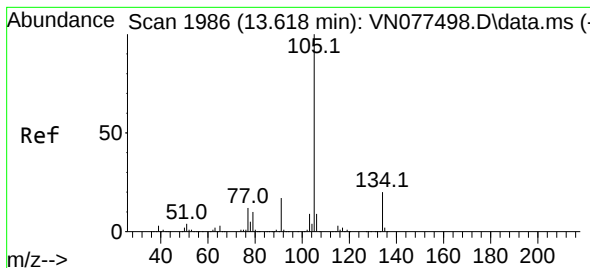


#80
1,2,4-Trimethylbenzene
Concen: 20.843 ug/l
RT: 13.489 min Scan# 1964
Delta R.T. 0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05



Tgt Ion:105 Resp: 583905
Ion Ratio Lower Upper
105 100
120 45.3 0.0 87.8





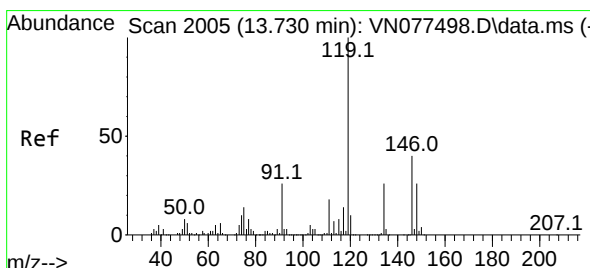
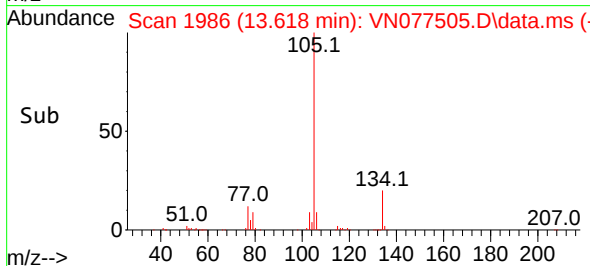
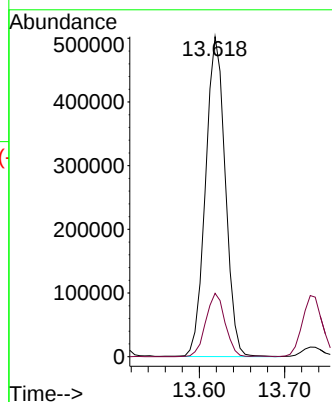
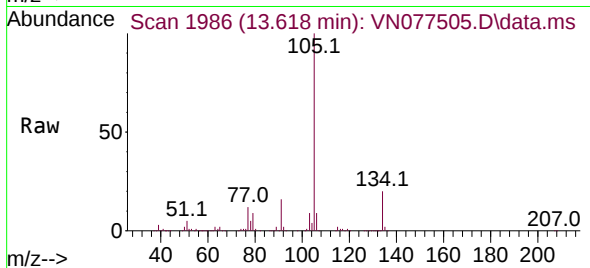
#81
 sec-Butylbenzene
 Concen: 20.570 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN077505.D
 Acq: 28 Apr 2023 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBSD01

Tgt Ion:105 Resp: 808039
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 38.4

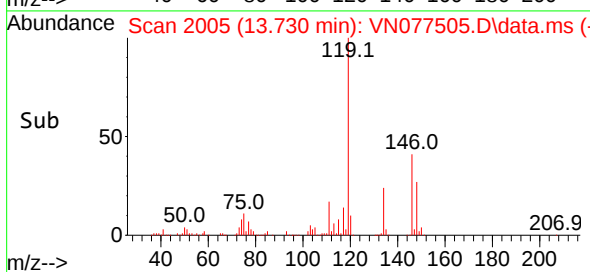
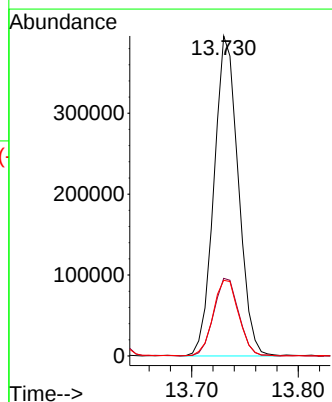
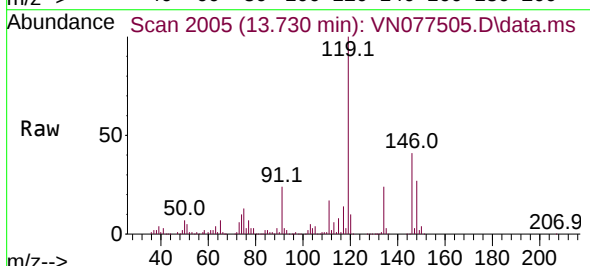
Manual Integrations
 APPROVED

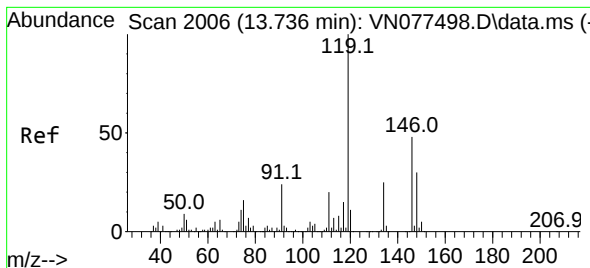
Reviewed By :John Carlone 04/29/2023
 Supervised By :Semsettin Yesilyurt 04/29/2023



#82
 p-Isopropyltoluene
 Concen: 20.369 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN077505.D
 Acq: 28 Apr 2023 17:05

Tgt Ion:119 Resp: 626983
 Ion Ratio Lower Upper
 119 100
 134 25.0 0.0 52.4
 91 24.9 0.0 50.6





#83

1,3-Dichlorobenzene

Concen: 20.505 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBSD01

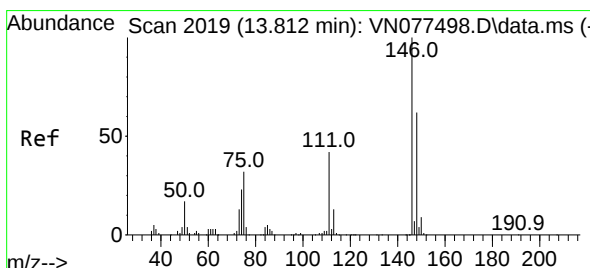
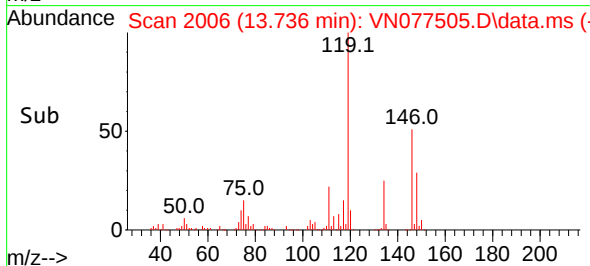
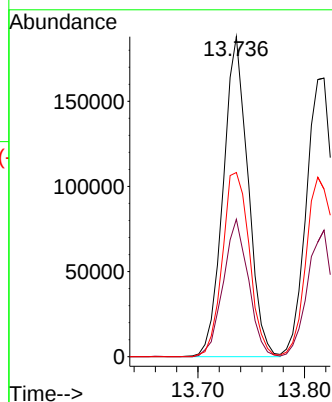
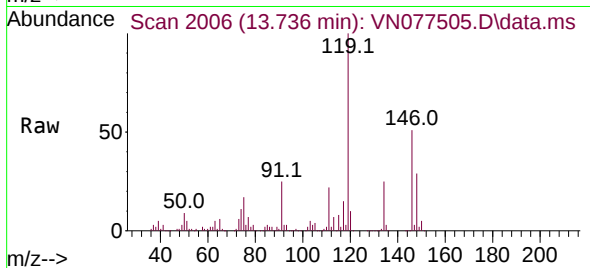
Tgt Ion:146 Resp: 304812
 Ion Ratio Lower Upper
 146 100
 111 43.5 22.1 66.5
 148 62.4 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#84

1,4-Dichlorobenzene

Concen: 19.951 ug/l

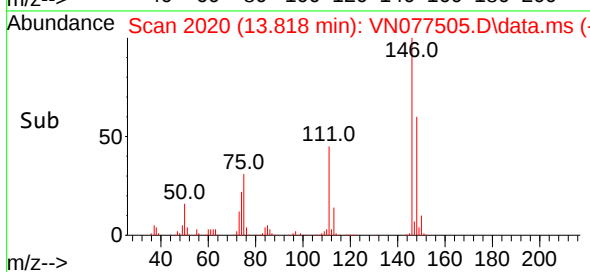
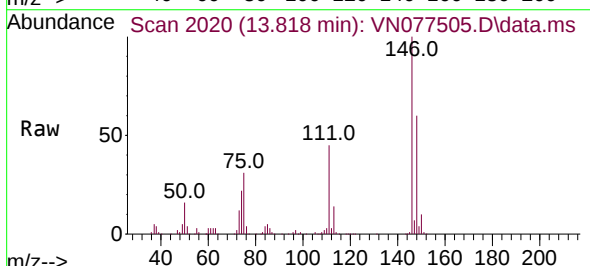
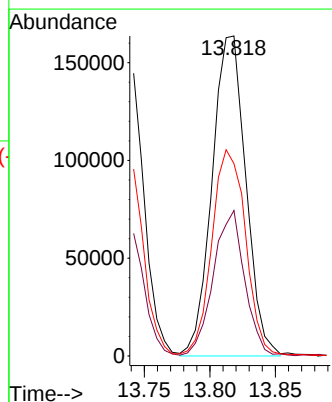
RT: 13.818 min Scan# 2020

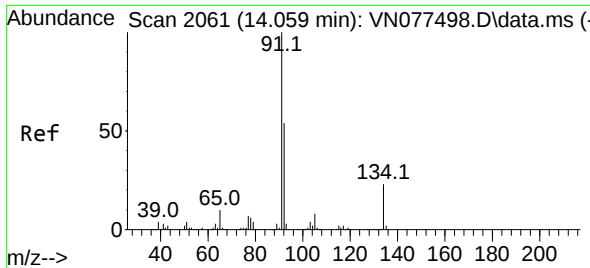
Delta R.T. 0.006 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

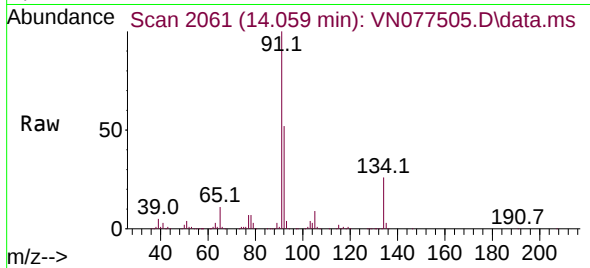
Tgt Ion:146 Resp: 293049
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.9 62.7
 148 64.7 31.6 94.7





#85
n-Butylbenzene
Concen: 20.199 ug/l
RT: 14.059 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

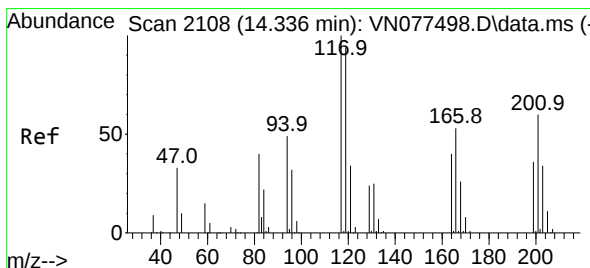
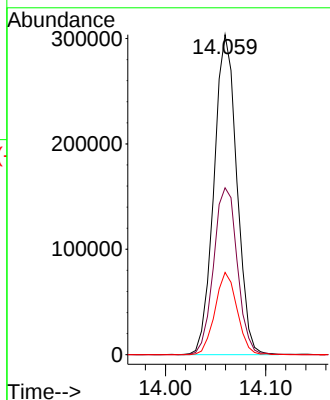
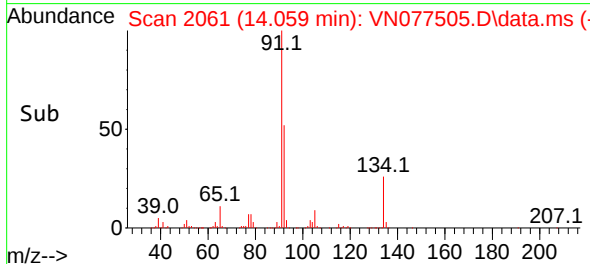
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



Tgt Ion: 91 Resp: 48048
Ion Ratio Lower Upper
91 100
92 54.0 0.0 108.4
134 24.8 0.0 50.0

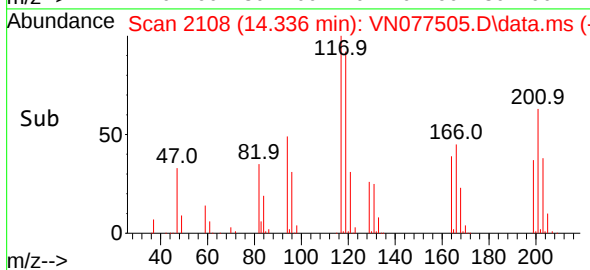
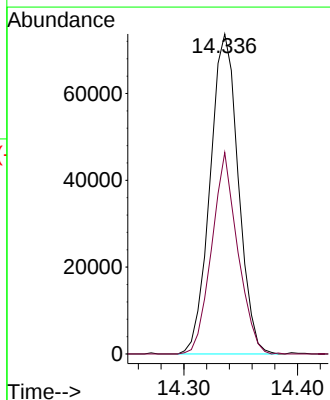
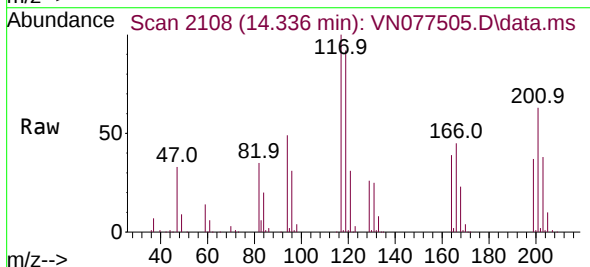
Manual Integrations
APPROVED

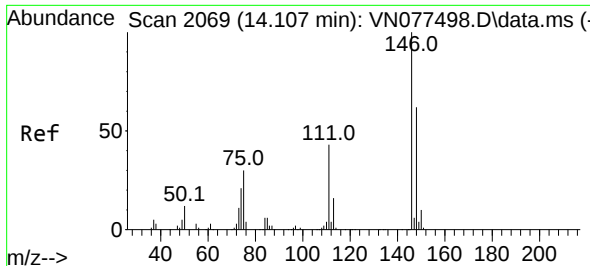
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#86
Hexachloroethane
Concen: 20.397 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

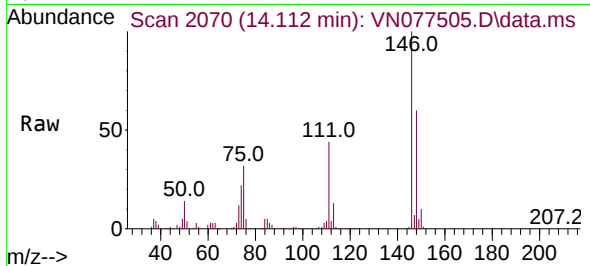
Tgt Ion:117 Resp: 127191
Ion Ratio Lower Upper
117 100
201 57.9 27.4 82.2





#87
1,2-Dichlorobenzene
Concen: 20.093 ug/l
RT: 14.112 min Scan# 2069
Delta R.T. 0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

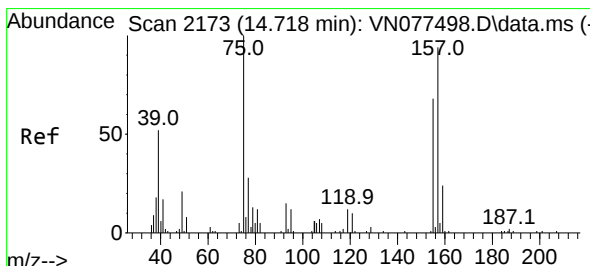
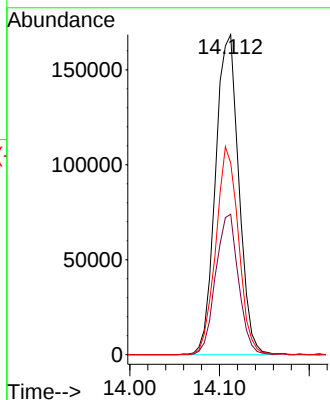
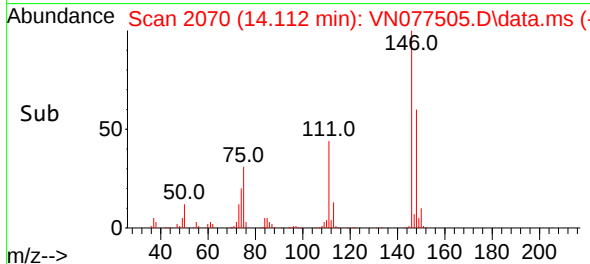
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBSD01



Tgt Ion:146 Resp: 303889
Ion Ratio Lower Upper
146 100
111 43.1 22.3 66.9
148 63.3 32.4 97.2

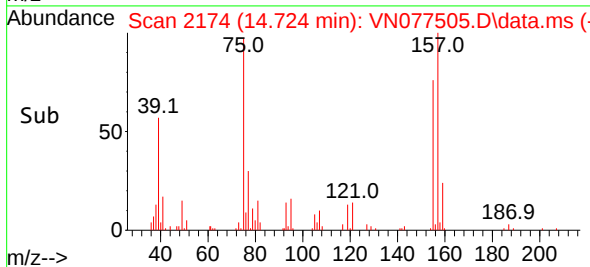
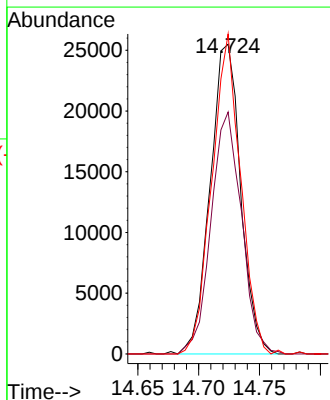
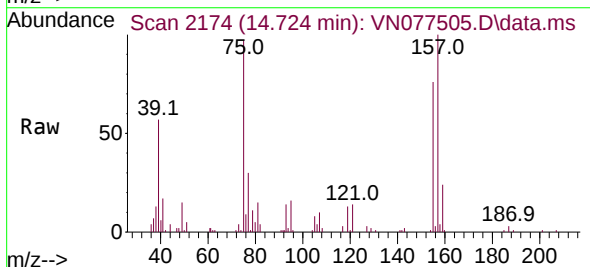
Manual Integrations
APPROVED

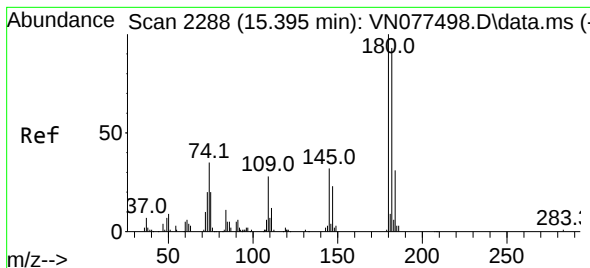
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 19.970 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. 0.006 min
Lab File: VN077505.D
Acq: 28 Apr 2023 17:05

Tgt Ion: 75 Resp: 44432
Ion Ratio Lower Upper
75 100
155 77.9 63.0 94.4
157 97.1 79.5 119.3





#89

1,2,4-Trichlorobenzene

Concen: 18.153 ug/l

RT: 15.395 min Scan# 2288

Delta R.T. -0.000 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBSD01

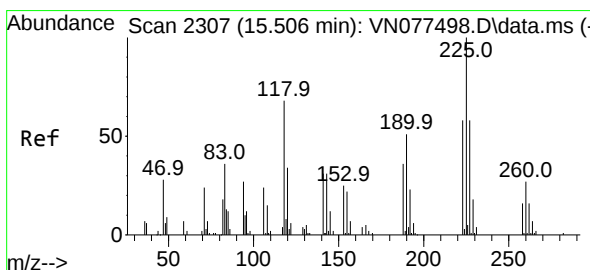
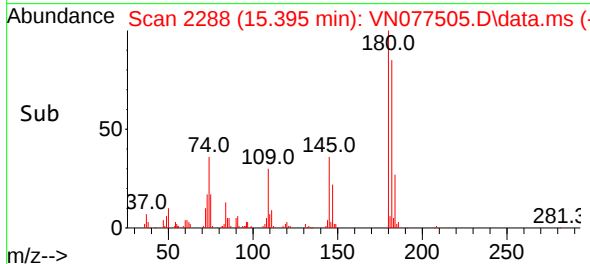
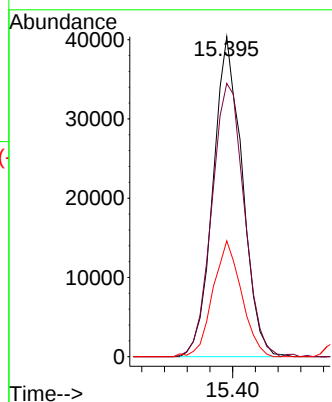
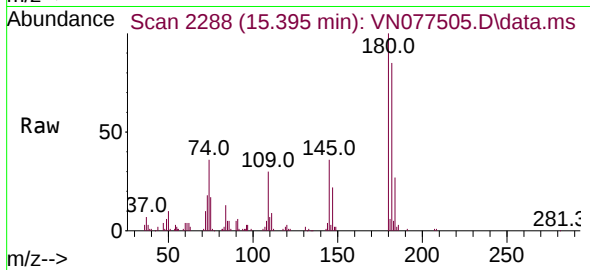
Tgt Ion:	180	Resp:	72060
Ion Ratio	Lower	Upper	
180	100		
182	94.3	78.7	118.1
145	35.6	28.8	43.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#90

Hexachlorobutadiene

Concen: 19.026 ug/l

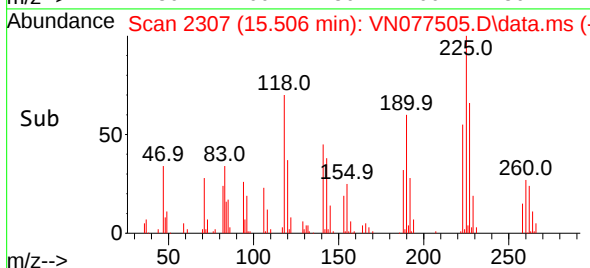
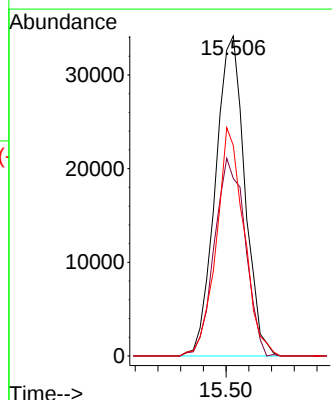
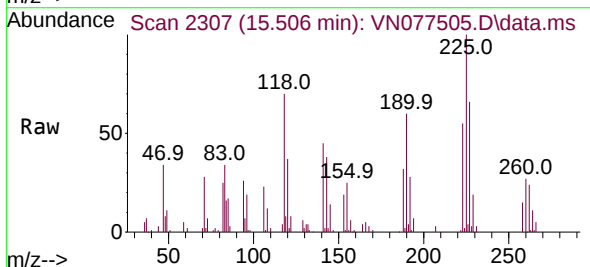
RT: 15.506 min Scan# 2307

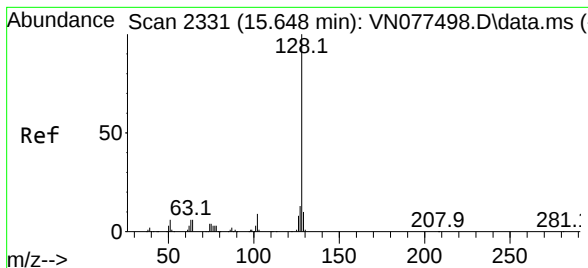
Delta R.T. -0.000 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

Tgt Ion:	225	Resp:	61423
Ion Ratio	Lower	Upper	
225	100		
223	64.3	0.0	124.2
227	67.1	0.0	119.2





#91

Naphthalene

Concen: 19.257 ug/l

RT: 15.642 min Scan# 2331

Delta R.T. -0.006 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBSD01

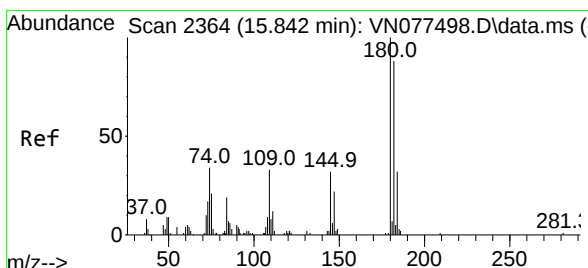
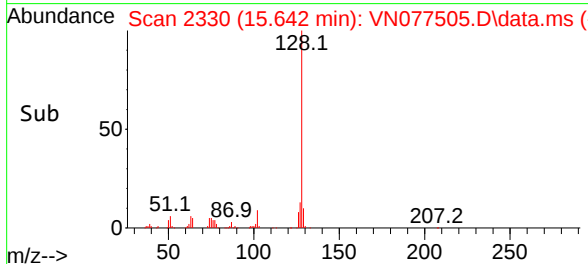
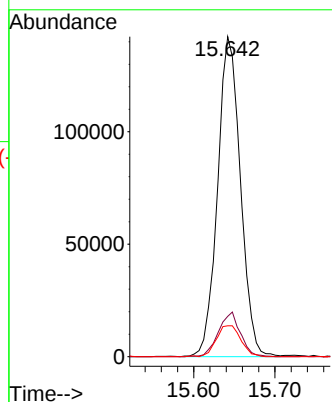
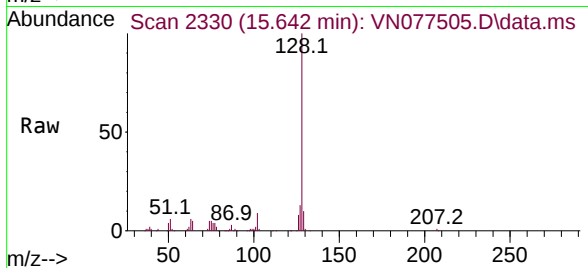
Tgt Ion:128 Resp: 279058
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.4 15.6
 129 10.3 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#92

1,2,3-Trichlorobenzene

Concen: 18.693 ug/l

RT: 15.842 min Scan# 2364

Delta R.T. -0.000 min

Lab File: VN077505.D

Acq: 28 Apr 2023 17:05

Tgt Ion:180 Resp: 69423
 Ion Ratio Lower Upper
 180 100
 182 94.5 0.0 198.0
 145 37.0 0.0 80.2

