

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042823\
 Data File : VN077503.D
 Acq On : 28 Apr 2023 15:59
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042823

Quant Time: Apr 28 16:22:54 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	7.819	128	71219	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.101	114	533895	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	569278	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	192301	30.287	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.967%	
60) 4-Bromofluorobenzene	12.848	95	306415	30.723	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 102.400%	
63) Toluene-d8	10.566	98	607406	30.280	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.933%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	186182	20.998	ug/l	97
3) Chloromethane	2.372	50	127410	19.452	ug/l	98
4) Vinyl Chloride	2.525	62	174218	19.124	ug/l	93
5) Bromomethane	2.943	94	145152	18.875	ug/l	95
6) Chloroethane	3.131	64	114580	17.466	ug/l	98
7) Trichlorofluoromethane	3.501	101	289103	21.519	ug/l	96
8) Diethyl Ether	3.966	74	95264	20.263	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.384	101	154647	20.367	ug/l	100
10) 1,1-Dichloroethene	4.354	96	145009	19.907	ug/l	92
11) Methyl Iodide	4.601	142	178464	19.970	ug/l	95
12) Methyl Acetate	5.043	43	200381	19.074	ug/l	99
13) Acrolein	4.190	56	123401	97.967	ug/l	98
14) Acrylonitrile	5.725	53	293192	90.966	ug/l	99
15) Acetone	4.431	58	101154	98.297	ug/l	81
16) Carbon Disulfide	4.719	76	356645	19.524	ug/l	98
17) Allyl chloride	5.031	41	151147	18.923	ug/l	96
18) Methylene Chloride	5.290	84	163329	19.006	ug/l	95
19) trans-1,2-Dichloroethene	5.795	96	158888	19.741	ug/l	98
20) Diisopropyl ether	6.678	45	358251	19.268	ug/l	98
21) 1,1-Dichloroethane	6.578	63	264960	19.499	ug/l	97
22) cis-1,2-Dichloroethene	7.489	96	190929	19.806	ug/l	99
23) tert-Butyl Alcohol	5.537	59	124999	89.896	ug/l #	100
24) Methyl tert-Butyl Ether	5.801	73	489728	19.383	ug/l	100
25) Chloroform	7.972	83	305440	19.558	ug/l	99
26) Cyclohexane	8.260	56	216241	19.509	ug/l	95
29) 1,1-Dichloropropene	8.378	75	217685	19.343	ug/l	99
30) 2-Butanone	7.489	43	371395	90.013	ug/l #	98
31) 2,2-Dichloropropane	7.495	77	264251	20.068	ug/l	99
32) 1,1,1-Trichloroethane	8.172	97	281462	19.377	ug/l	97
33) Carbon Tetrachloride	8.366	117	238388	18.908	ug/l	99
34) Benzene	8.607	78	653405	18.880	ug/l	96
35) Methacrylonitrile	7.784	41	75817	17.997	ug/l	93
36) 1,2-Dichloroethane	8.672	62	223463	18.906	ug/l	99
37) Trichloroethene	9.354	130	168828	19.300	ug/l	97
38) Methylcyclohexane	9.601	83	293390	19.843	ug/l	99
39) 1,2-Dichloropropane	9.625	63	156439	19.516	ug/l	99
40) Dibromomethane	9.707	93	123897	19.599	ug/l	97
41) Bromodichloromethane	9.889	83	243701	19.519	ug/l	99
42) Vinyl Acetate	6.613	43	1110671	85.472	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.572	43	146864m	18.390	ug/l	
44) Isopropyl Acetate	8.695	43	258959	18.305	ug/l	98
45) 1,4-Dioxane	9.695	88	67862	395.543	ug/l	92
46) Methyl methacrylate	9.683	41	123668	19.208	ug/l	97
47) n-amyl Acetate	12.495	43	216201	19.065	ug/l	99
48) t-1,3-Dichloropropene	10.836	75	245960	19.350	ug/l	100
49) cis-1,3-Dichloropropene	10.313	75	269595	19.647	ug/l	96
50) 1,1,2-Trichloroethane	11.019	97	172732	19.248	ug/l	96
51) Ethyl methacrylate	10.877	69	242116	19.488	ug/l	94
52) 1,3-Dichloropropane	11.166	76	281812	19.352	ug/l	100
53) Dibromochloromethane	11.360	129	179512	19.430	ug/l	100
54) 1,2-Dibromoethane	11.472	107	175085	19.065	ug/l	97
55) 2-Chloroethyl vinyl ether	10.160	63	338439	83.014	ug/l	99
56) Bromoform	12.577	173	106686	18.513	ug/l #	99
58) 4-Methyl-2-Pentanone	10.448	43	767941	93.669	ug/l	99
59) 2-Hexanone	11.195	43	574324	95.083	ug/l	100
61) Tetrachloroethene	11.107	164	133613	20.094	ug/l	95
62) Toluene	10.630	91	772058	20.165	ug/l	99
64) Chlorobenzene	11.895	112	462525	19.775	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.966	131	172703	20.662	ug/l	97
66) Ethyl Benzene	11.966	91	826044	19.759	ug/l	100
67) m/p-Xylenes	12.077	106	661765	40.651	ug/l	99
68) o-Xylene	12.401	106	325662	20.140	ug/l	98
69) Styrene	12.413	104	518737	20.631	ug/l	99
70) Isopropylbenzene	12.695	105	841343	20.498	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.942	83	240871	19.265	ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	201566m	18.952	ug/l	
73) Bromobenzene	12.983	156	176509	19.997	ug/l	97
74) n-propylbenzene	13.036	91	934217	20.454	ug/l	99
75) 2-Chlorotoluene	13.124	91	572459	20.320	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	645275	20.395	ug/l	97
77) t-1,4-Dichloro-2-butene	12.742	75	70423	20.048	ug/l	98
78) 4-Chlorotoluene	13.224	91	541167	20.291	ug/l	99
79) tert-butylbenzene	13.442	119	596191	20.370	ug/l	99
80) 1,2,4-Trimethylbenzene	13.483	105	608969	20.928	ug/l	100
81) sec-Butylbenzene	13.618	105	836976	20.513	ug/l	99
82) p-Isopropyltoluene	13.730	119	651905	20.389	ug/l	99
83) 1,3-Dichlorobenzene	13.736	146	315853	20.455	ug/l	99
84) 1,4-Dichlorobenzene	13.813	146	305939	20.052	ug/l	99
85) n-Butylbenzene	14.060	91	513134	20.768	ug/l	98
86) Hexachloroethane	14.336	117	130701	20.179	ug/l	96
87) 1,2-Dichlorobenzene	14.107	146	312587	19.898	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.724	75	44478	19.245	ug/l	98
89) 1,2,4-Trichlorobenzene	15.395	180	81494	19.765	ug/l	99
90) Hexachlorobutadiene	15.507	225	65835	19.632	ug/l	97
91) Naphthalene	15.642	128	326285	21.677	ug/l	98
92) 1,2,3-Trichlorobenzene	15.848	180	83250	21.580	ug/l	97

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

Manual Integrations APPROVED

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Supervised By :Semsettin Yesilyurt 04/29/2023

Abundance

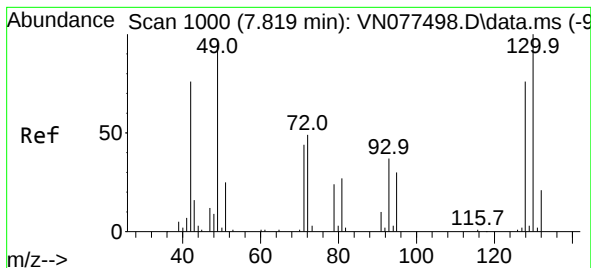
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Time-->

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2100000
2000000
1900000
1800000
1700000
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1300000
1200000
1100000
1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
0

Dichlorodifluoromethane, M
Chloromethane, M
Vinyl Chloride, M
Bromomethane, M
Chloroethane, M
Trichlorofluoromethane, M
Diethyl Ether, T
Acrolein, M
Acetone, M
Methyl Iodide, M
Carbon Disulfide, M
Methyl Acetate, M
Methylene Chloride, M
tert-Butyl Alcohol, M
Acrylonitrile, M
Methyl 2-ethylhexanoate, M
1,1-Dichloroethane, M
Vinyl Acetate, M
Diisopropyl ether, T
Ethyl Acetate, M
Methacrylonitrile, M
Bromochloromethane, I
Chloroform, M
1,1,1-Trichloroethane, M
1,2-Dichloroethane, M
1,4-Dichlorobenzene, M
Benzene, M
1,4-Difluorobenzene, I
Trichloroethene, M
Dichloromethane, M
Bromodichloromethane, M
cis-1,3-Dichloropropene, T
2-Chloroethyl vinyl ether, M
Toluene-d8, S
Toluene, M
Ethyl Benzoate, M
1,1,2-Trichloroethane, M
1,2-Dichloropropane, M
1,3-Dichloropropane, M
Dibromochloromethane, M
1,2-Dibromoethane, M
Chlorobenzene, M
Chlorobenzene-d5, I
m,p-Xylenes, M
Ethyl Benzoate, M
Styrene, M
Isopropylbenzene, M
4-Bromofluorobenzene, S
1,2,3-Trichlorobenzene, M
1,2,4-Trichlorobenzene, M
4-Chlorotoluene, M
1,3,5-Trimethylbenzene, M
tert-butylbenzene, M
sec-Butylbenzene, M
1,2,4-Trimethylbenzene, M
1,4-Dichlorobenzene, M
1,2-Dichlorobenzene, M
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, M
1,2,4-Trichlorobenzene, M
Hexachlorobutadiene, M
Naphthalene, M
1,2,3-Trichlorobenzene, M



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.819 min Scan# 1000

Delta R.T. -0.000 min

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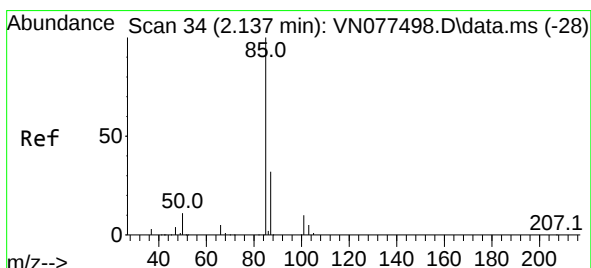
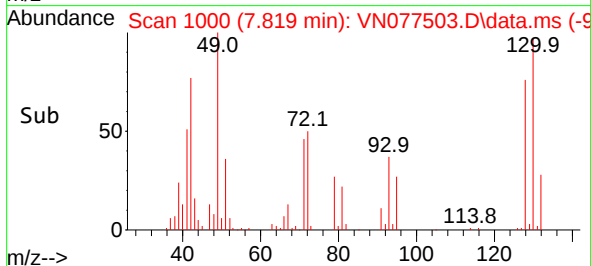
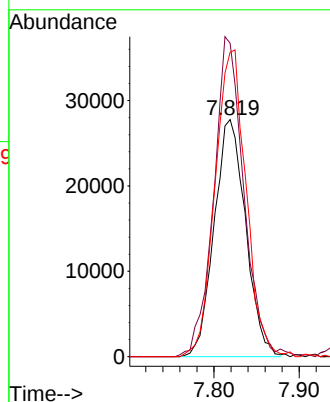
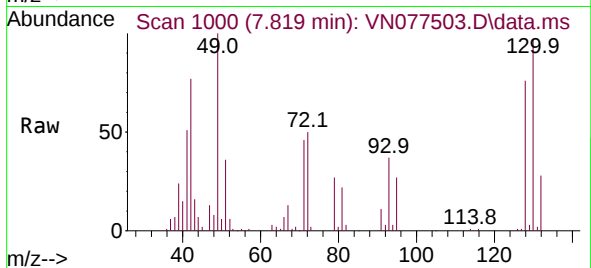
Tgt Ion:	128	Resp:	71219
Ion Ratio	Lower	Upper	
128	100		
49	128.0	0.0	338.5
130	127.6	0.0	326.3

Manual Integrations

APPROVED

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Supervised By :Semsettin Yesilyurt 04/29/2023



#2

Dichlorodifluoromethane

Concen: 20.998 ug/l

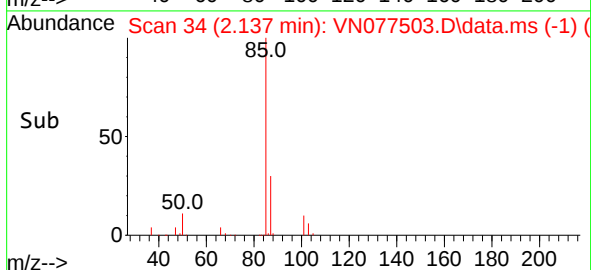
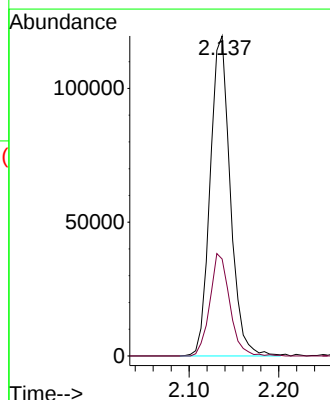
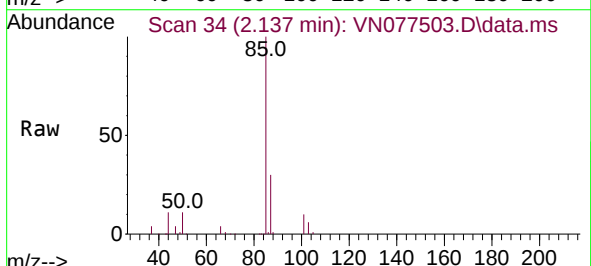
RT: 2.137 min Scan# 34

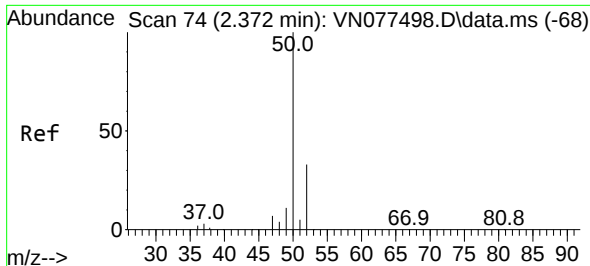
Delta R.T. 0.000 min

Lab File: VN077503.D

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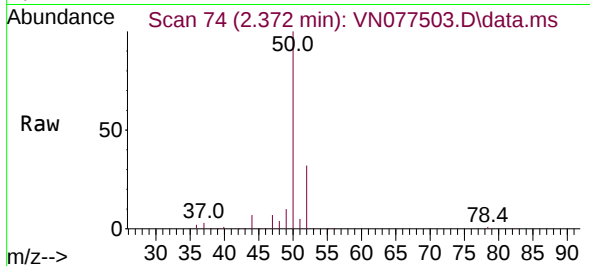
Tgt Ion:	85	Resp:	186182
Ion Ratio	Lower	Upper	
85	100		
87	30.3	16.1	48.3





#3
Chloromethane
Concen: 19.452 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

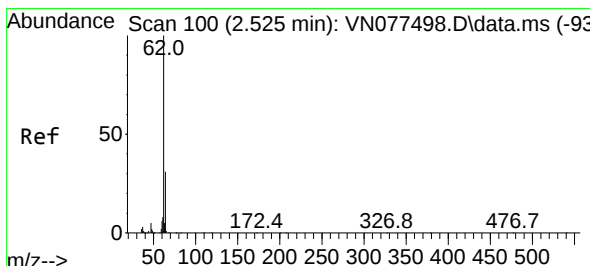
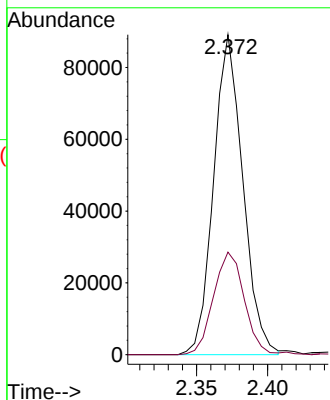
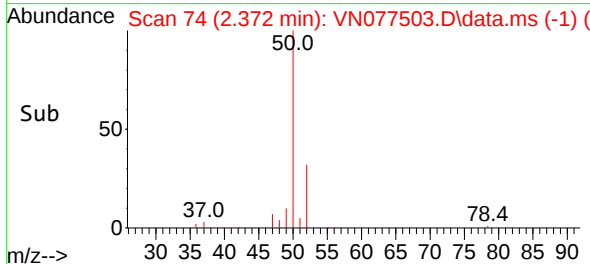
Instrument :
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ClientSampleId :
ICVVN042823



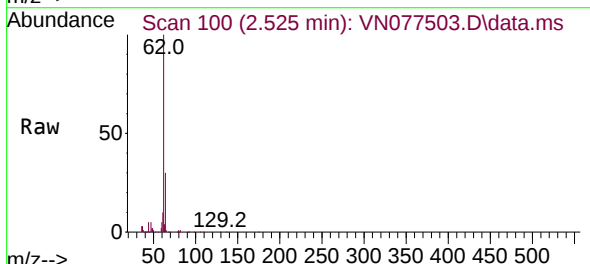
Tgt Ion: 50 Resp: 127410
Ion Ratio Lower Upper
50 100
52 32.0 26.6 39.8

Manual Integrations
APPROVED

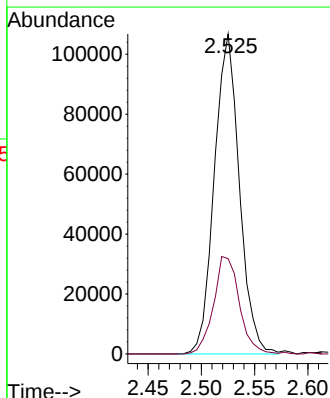
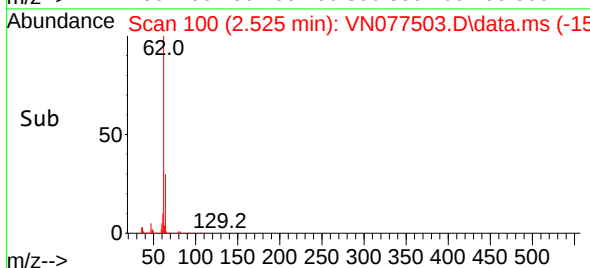
Reviewed By :John Carlone 04/29/2023
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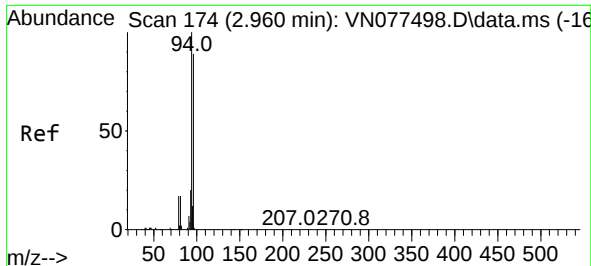


#4
Vinyl Chloride
Concen: 19.124 ug/l
RT: 2.525 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59



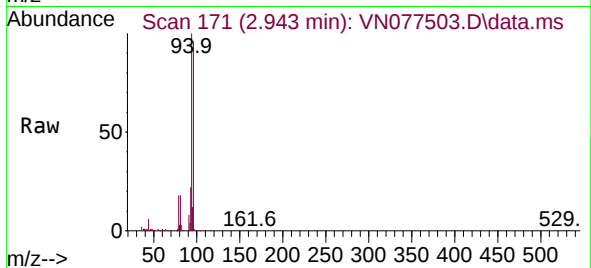
Tgt Ion: 62 Resp: 174218
Ion Ratio Lower Upper
62 100
64 29.8 27.1 40.7





#5
Bromomethane
Concen: 18.875 ug/l
RT: 2.943 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

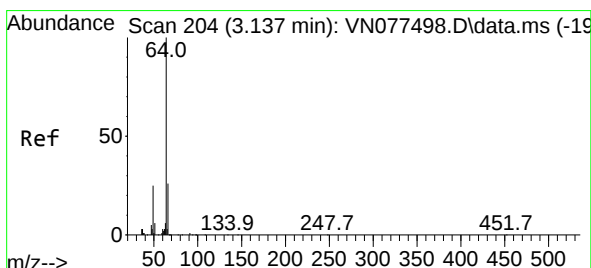
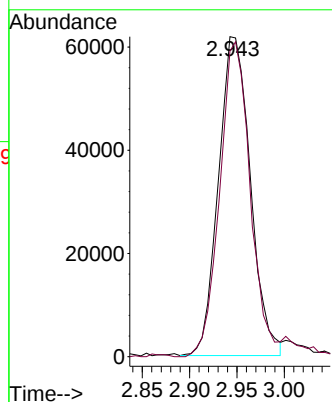
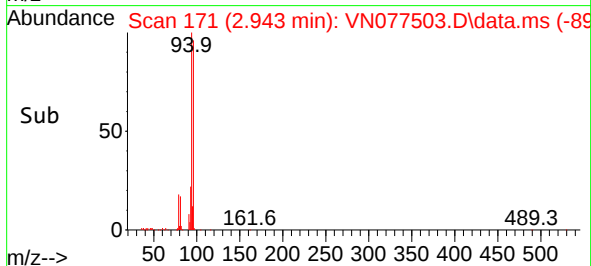
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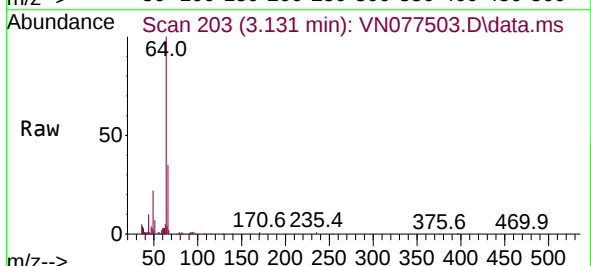
Tgt Ion: 94 Resp: 145152
Ion Ratio Lower Upper
94 100
96 95.9 72.6 108.8

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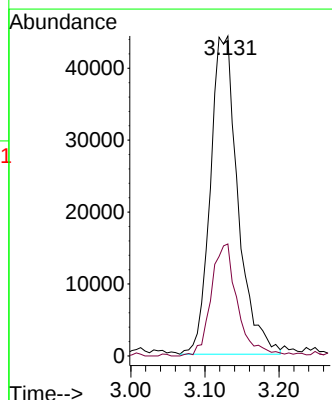
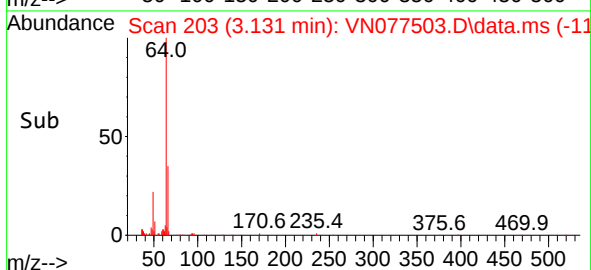
Reviewed By :John Carlone 04/29/2023
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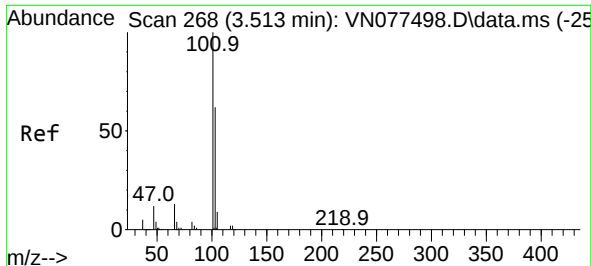


#6
Chloroethane
Concen: 17.466 ug/l
RT: 3.131 min Scan# 203
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59



Tgt Ion: 64 Resp: 114580
Ion Ratio Lower Upper
64 100
66 35.2 29.1 43.7





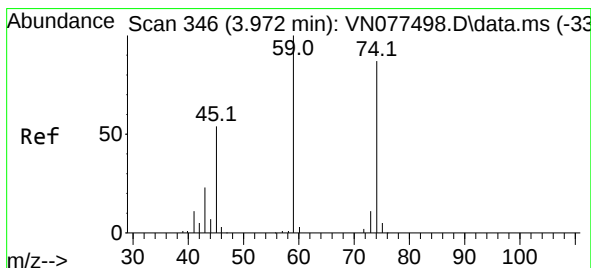
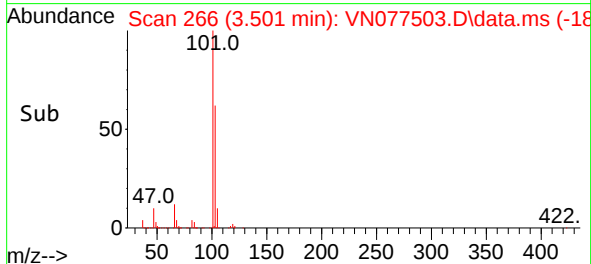
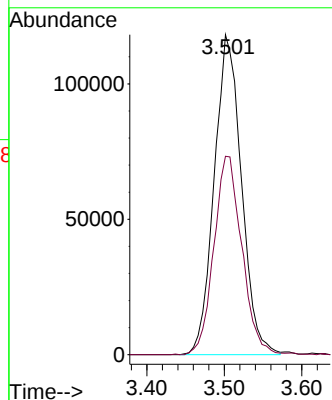
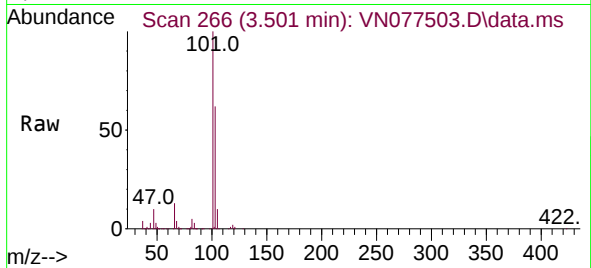
#7
Trichlorofluoromethane
Concen: 21.519 ug/l
RT: 3.501 min Scan# 20
Delta R.T. -0.012 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823

Tgt Ion:101 Resp: 28910
Ion Ratio Lower Upper
101 100
103 62.0 51.8 77.8

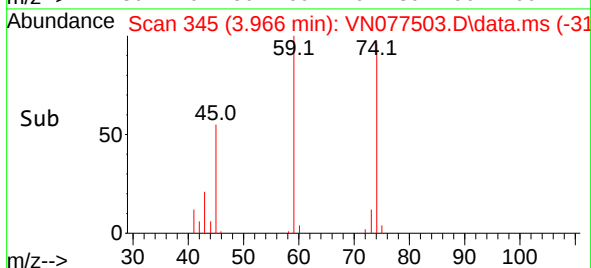
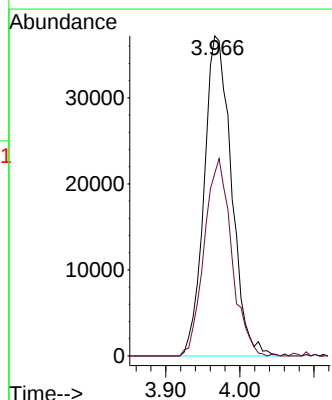
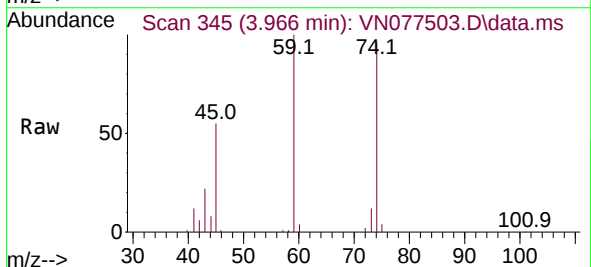
Manual Integrations
APPROVED

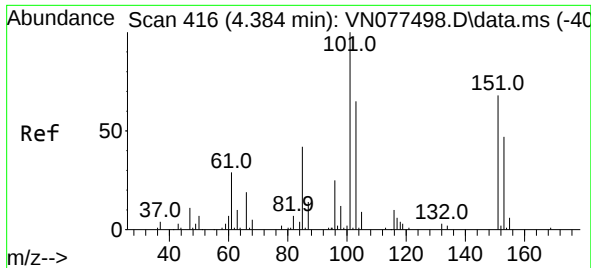
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#8
Diethyl Ether
Concen: 20.263 ug/l
RT: 3.966 min Scan# 345
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion: 74 Resp: 95264
Ion Ratio Lower Upper
74 100
45 61.8 13.6 122.0





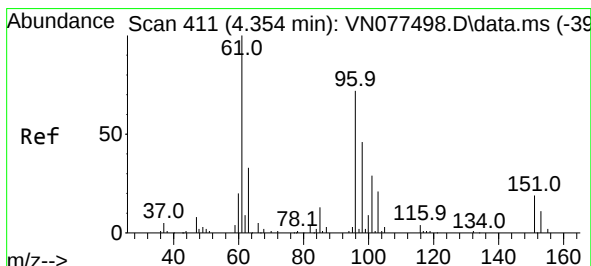
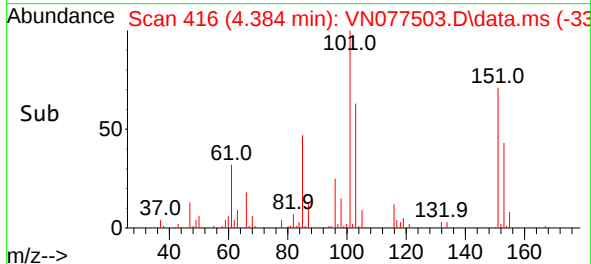
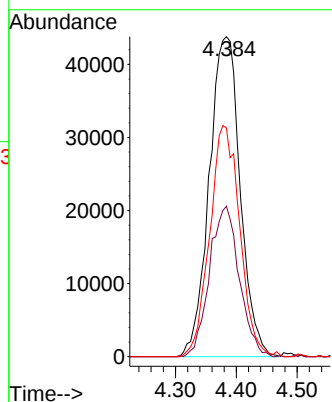
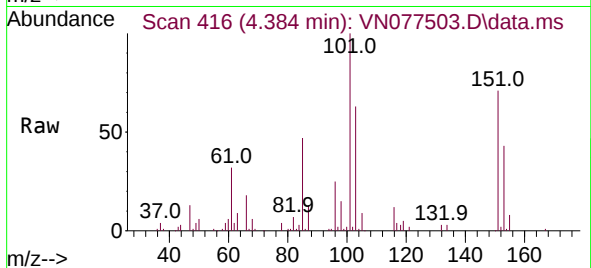
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.367 ug/l
RT: 4.384 min Scan# 416
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823

Tgt Ion:101 Resp: 15464
Ion Ratio Lower Upper
101 100
85 45.2 0.0 90.4
151 69.9 0.0 140.8

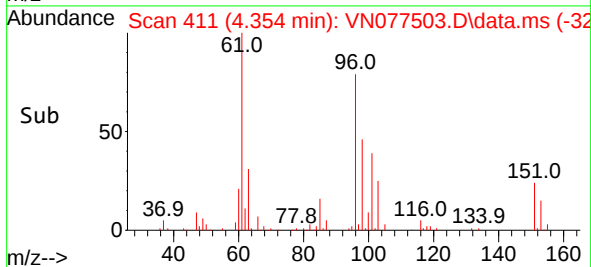
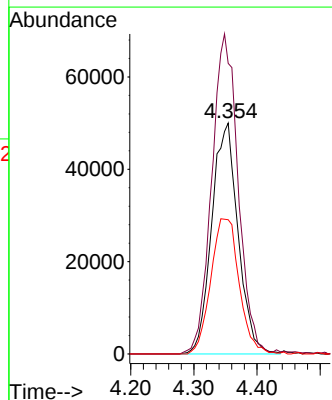
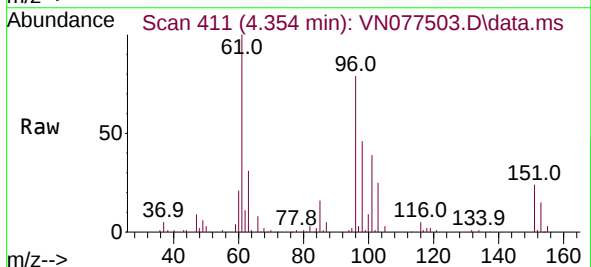
Manual Integrations
APPROVED

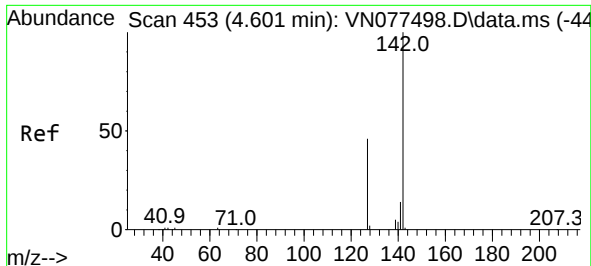
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#10
1,1-Dichloroethene
Concen: 19.907 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

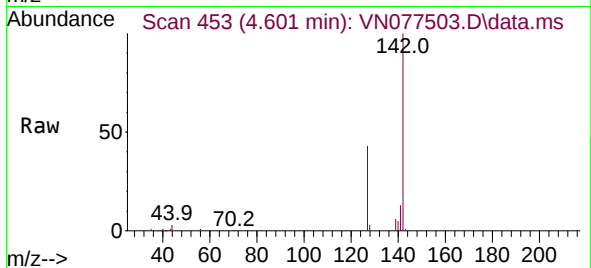
Tgt Ion: 96 Resp: 145009
Ion Ratio Lower Upper
96 100
61 125.8 108.8 163.2
98 58.1 43.5 65.3





#11
Methyl Iodide
Concen: 19.970 ug/l
RT: 4.601 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

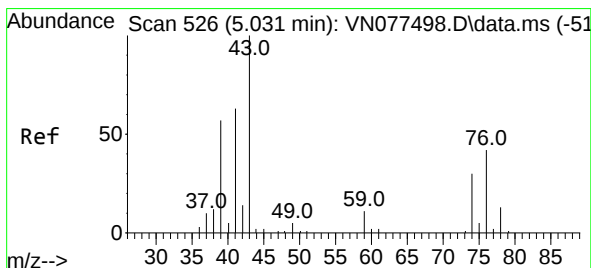
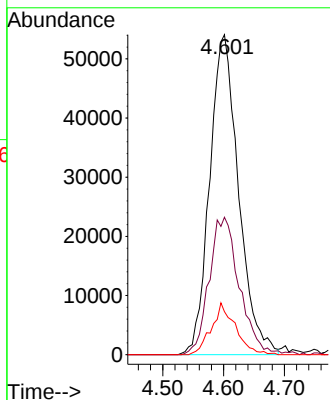
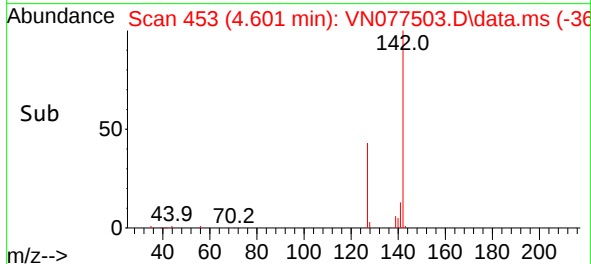
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



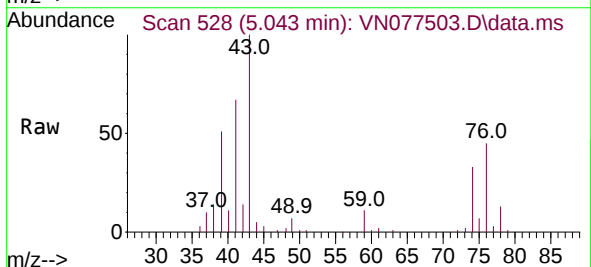
Tgt Ion:142 Resp: 178464
Ion Ratio Lower Upper
142 100
127 42.7 23.1 69.3
141 13.6 6.0 18.0

Manual Integrations
APPROVED

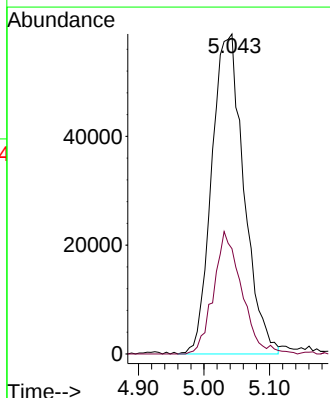
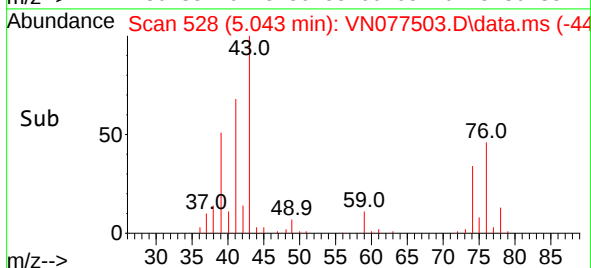
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

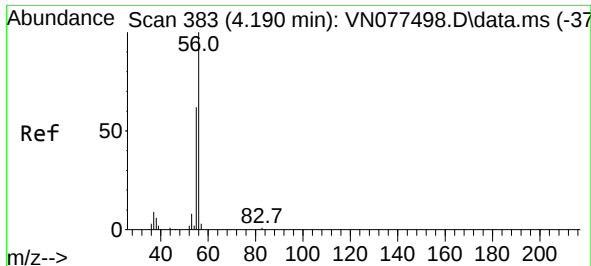


#12
Methyl Acetate
Concen: 19.074 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.012 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59



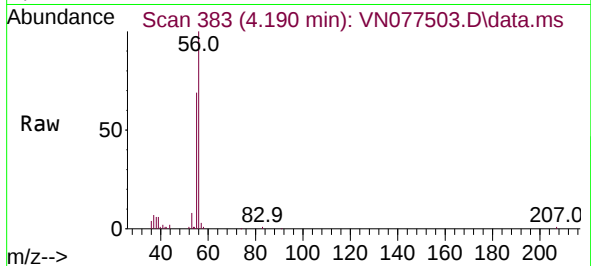
Tgt Ion: 43 Resp: 200381
Ion Ratio Lower Upper
43 100
74 32.7 25.8 38.8





#13
Acrolein
Concen: 97.967 ug/l
RT: 4.190 min Scan# 383
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

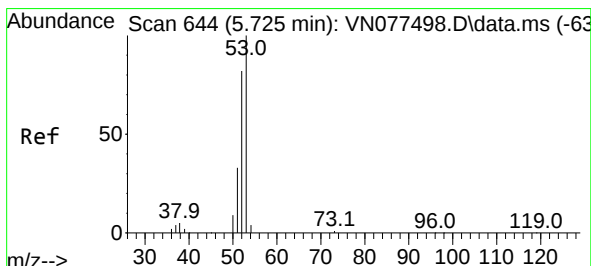
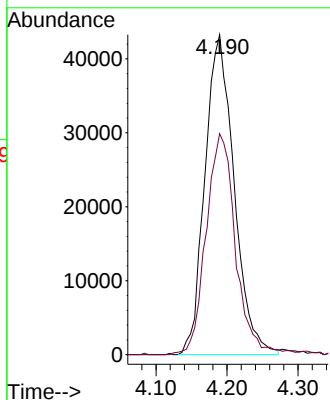
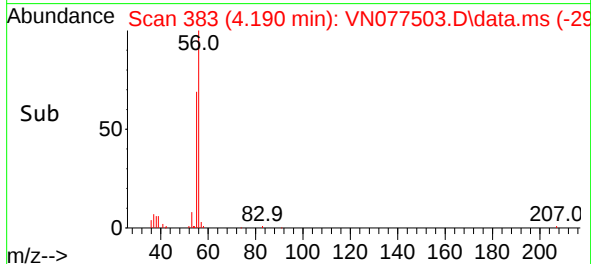
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



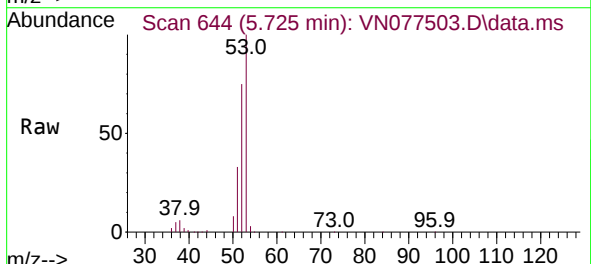
Tgt Ion: 56 Resp: 12340
Ion Ratio Lower Upper
56 100
55 68.0 55.8 83.6

Manual Integrations
APPROVED

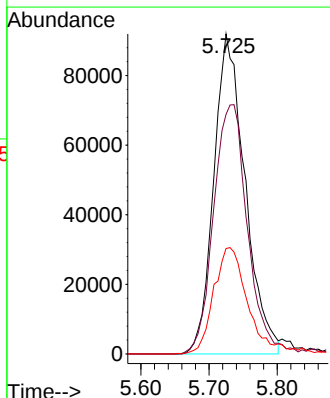
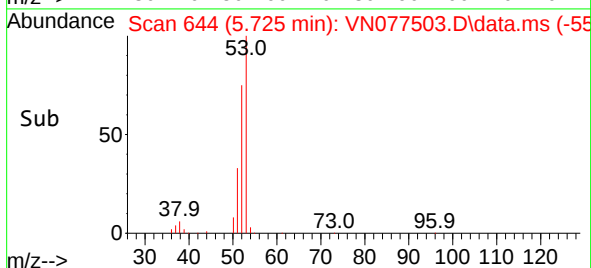
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

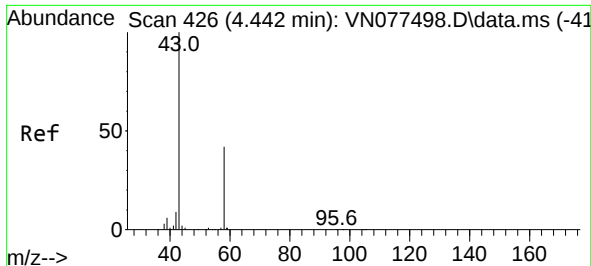


#14
Acrylonitrile
Concen: 90.966 ug/l
RT: 5.725 min Scan# 644
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59



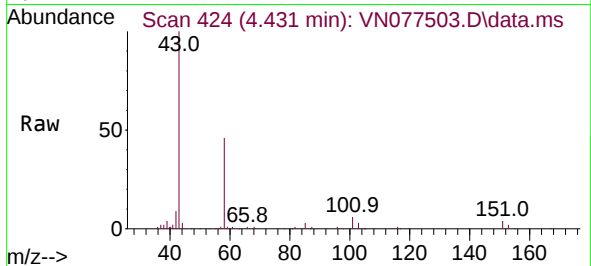
Tgt Ion: 53 Resp: 293192
Ion Ratio Lower Upper
53 100
52 83.1 41.9 125.6
51 35.0 18.0 54.0





#15
Acetone
Concen: 98.297 ug/l
RT: 4.431 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

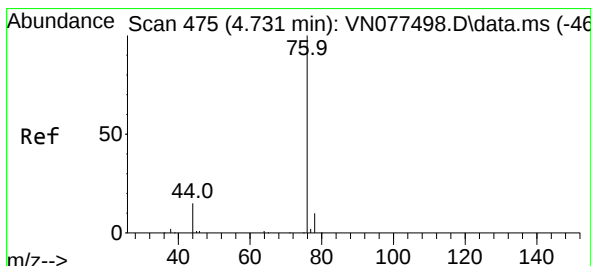
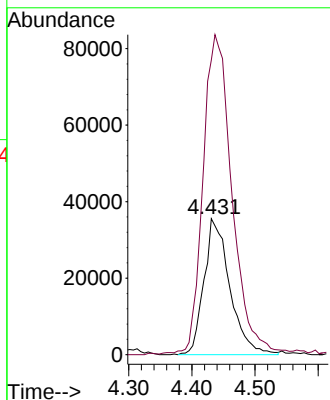
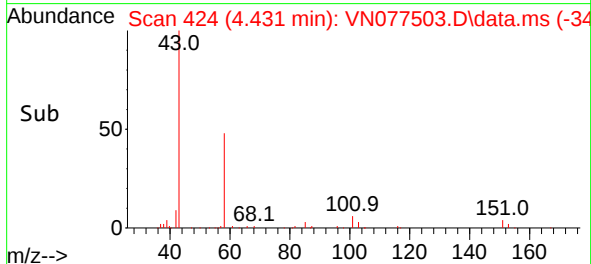
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



Tgt Ion: 58 Resp: 101154
Ion Ratio Lower Upper
58 100
43 213.8 197.2 295.8

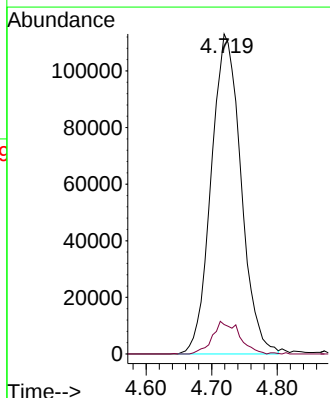
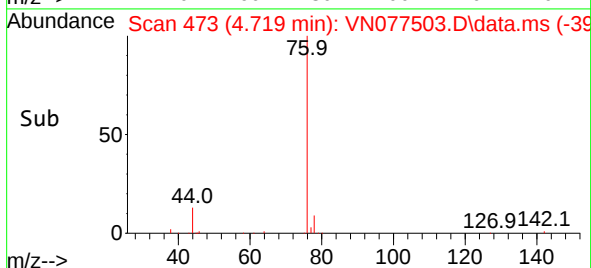
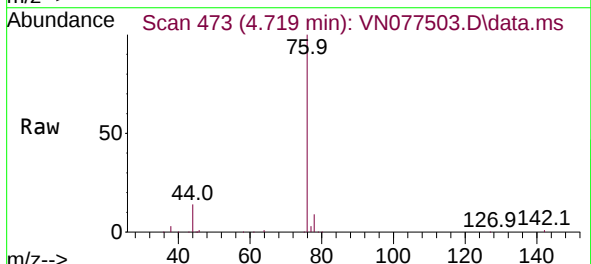
Manual Integrations
APPROVED

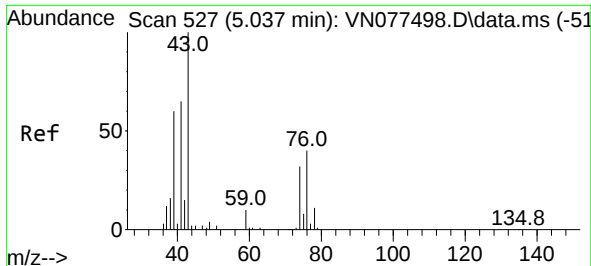
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#16
Carbon Disulfide
Concen: 19.524 ug/l
RT: 4.719 min Scan# 473
Delta R.T. -0.012 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion: 76 Resp: 356645
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.8





#17
 Allyl chloride
 Concen: 18.923 ug/l
 RT: 5.031 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN077503.D
 Acq: 28 Apr 2023 15:59

Instrument :

MSVOA_N

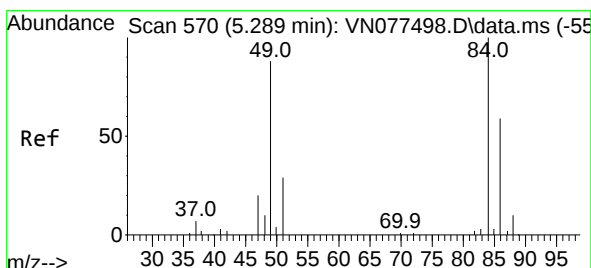
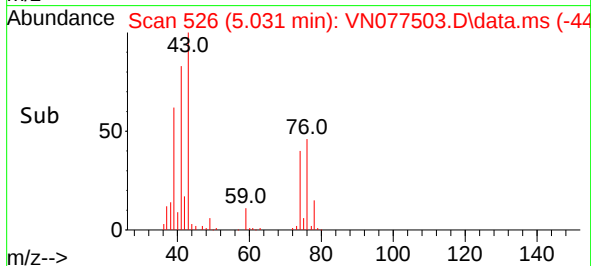
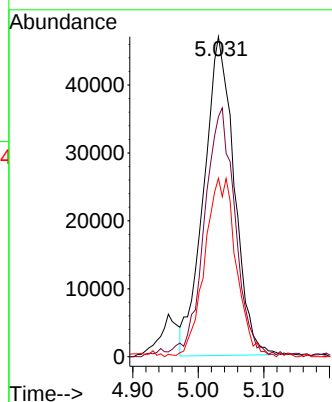
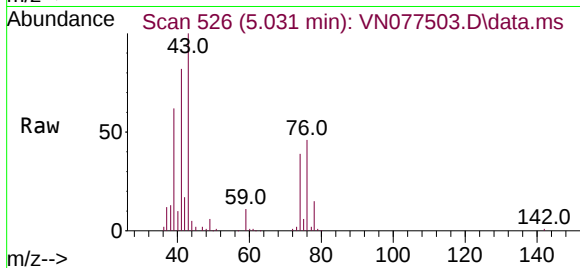
ClientSampleId :

ICVVN042823

Tgt Ion: 41 Resp: 15114
 Ion Ratio Lower Upper
 41 100
 39 73.9 38.6 116.0
 76 55.0 26.1 78.3

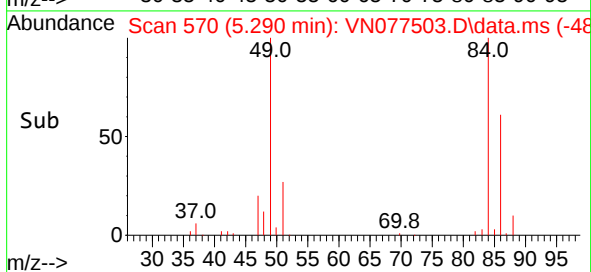
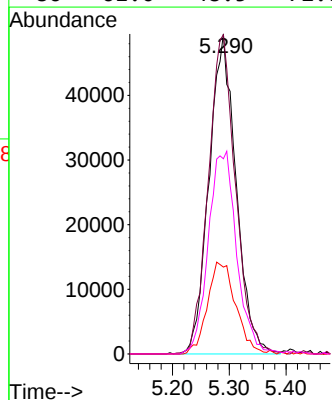
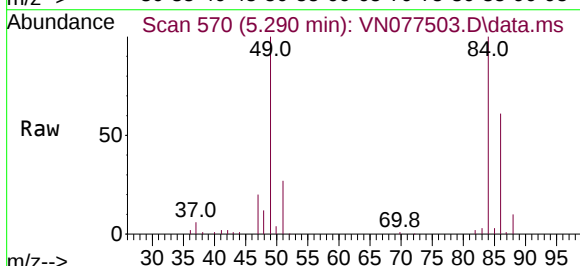
Manual Integrations
 APPROVED

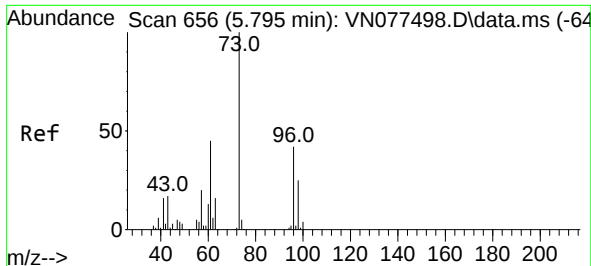
Reviewed By :John Carlone 04/29/2023
 Supervised By :Semsettin Yesilyurt 04/29/2023



#18
 Methylene Chloride
 Concen: 19.006 ug/l
 RT: 5.290 min Scan# 570
 Delta R.T. 0.000 min
 Lab File: VN077503.D
 Acq: 28 Apr 2023 15:59

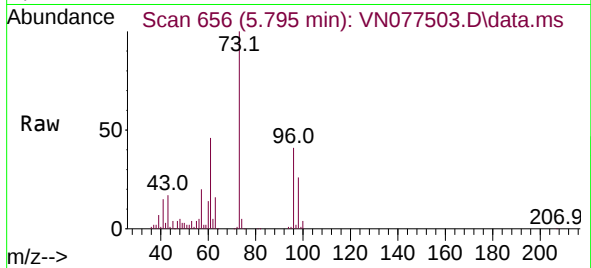
Tgt Ion: 84 Resp: 163329
 Ion Ratio Lower Upper
 84 100
 49 99.4 74.6 112.0
 51 27.2 25.0 37.6
 86 61.0 48.5 72.7





#19
trans-1,2-Dichloroethene
Concen: 19.741 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

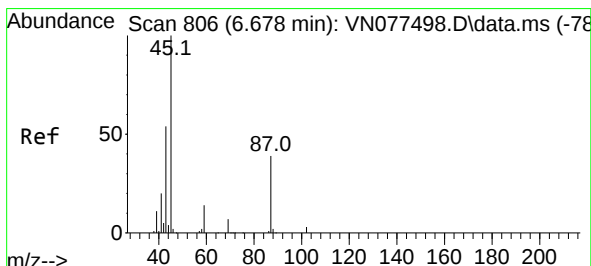
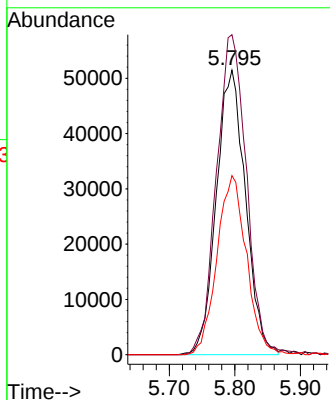
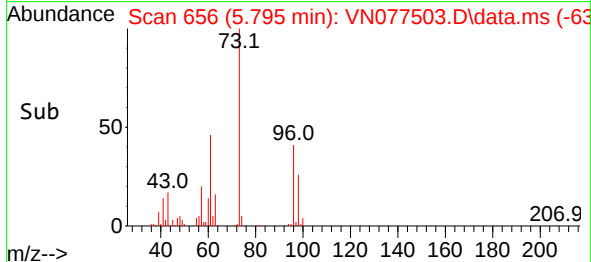
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



Tgt Ion: 96 Resp: 15888
Ion Ratio Lower Upper
96 100
61 112.5 89.7 134.5
98 62.9 47.0 70.4

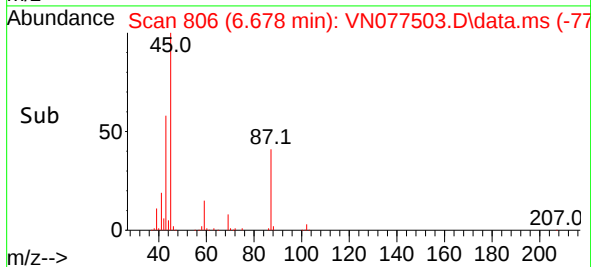
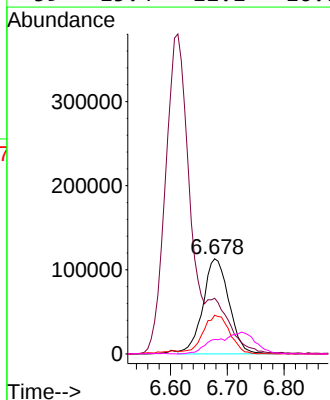
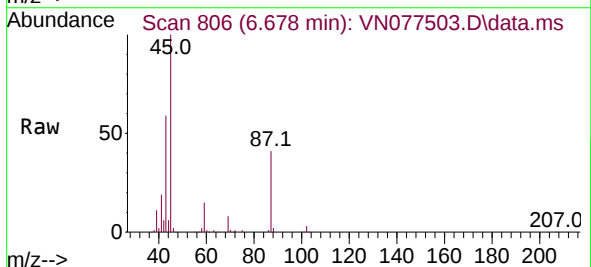
Manual Integrations
APPROVED

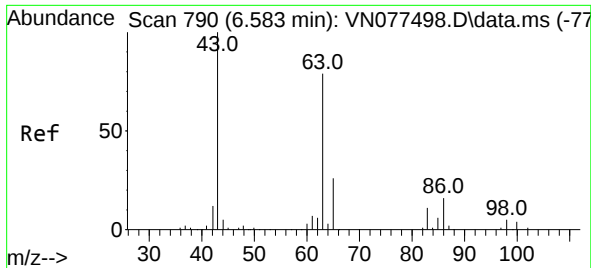
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#20
Diisopropyl ether
Concen: 19.268 ug/l
RT: 6.678 min Scan# 806
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion: 45 Resp: 358251
Ion Ratio Lower Upper
45 100
43 57.5 46.6 69.8
87 40.8 34.6 52.0
59 15.4 11.1 16.7





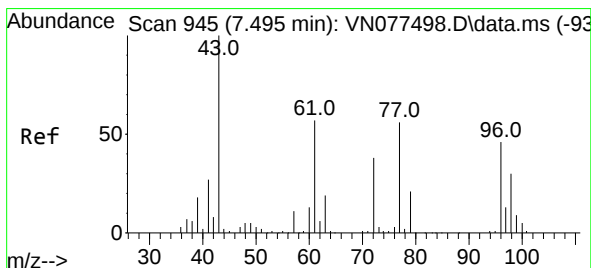
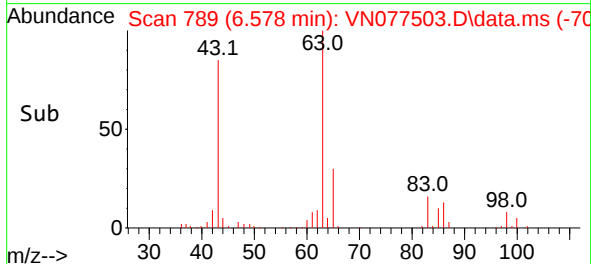
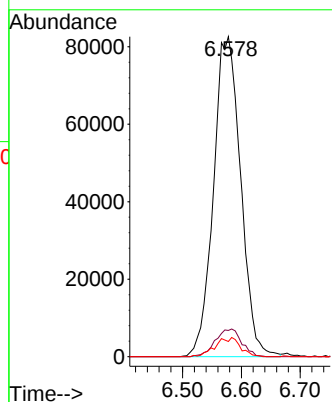
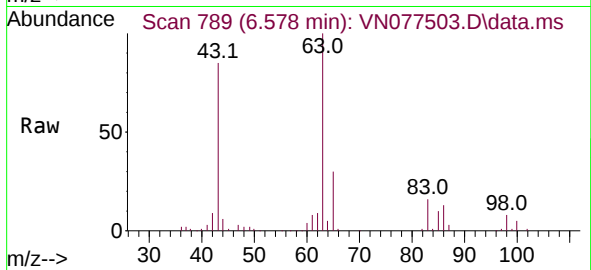
#21
1,1-Dichloroethane
Concen: 19.499 ug/l
RT: 6.578 min Scan# 790
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823

Tgt Ion: 63 Resp: 264960
Ion Ratio Lower Upper
63 100
98 8.2 4.0 12.0
100 4.7 3.4 10.1

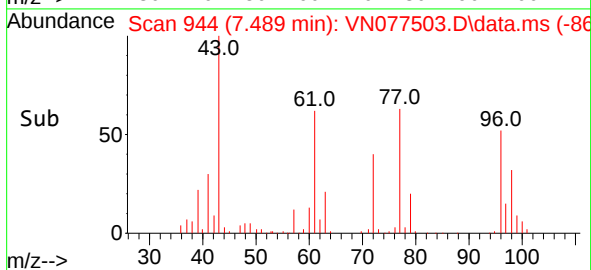
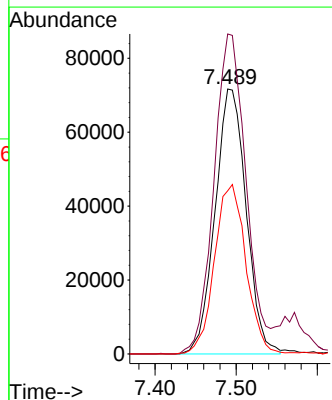
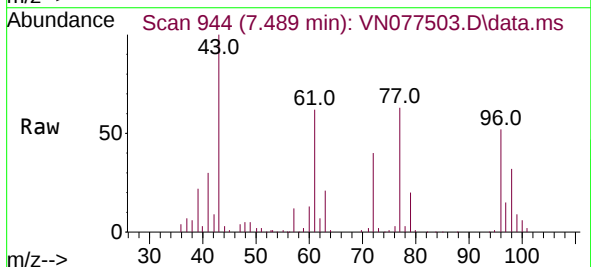
Manual Integrations
APPROVED

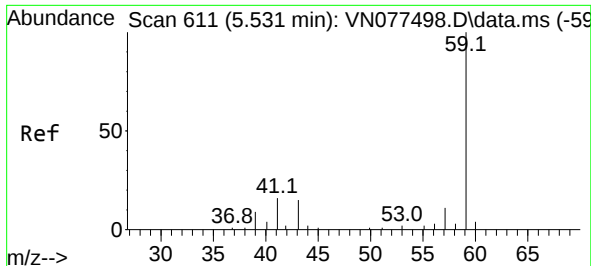
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#22
cis-1,2-Dichloroethene
Concen: 19.806 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion: 96 Resp: 190929
Ion Ratio Lower Upper
96 100
61 124.3 100.2 150.2
98 64.6 51.6 77.4





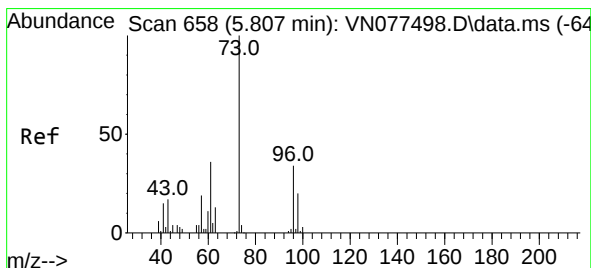
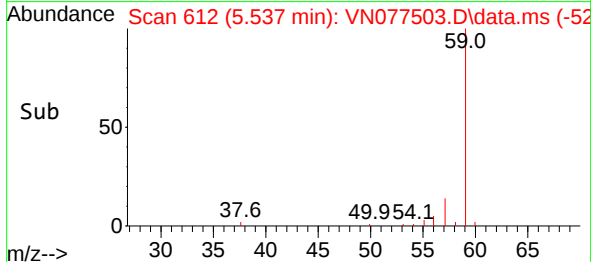
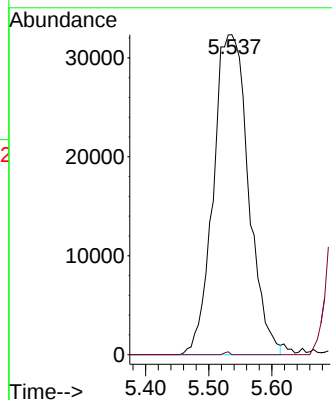
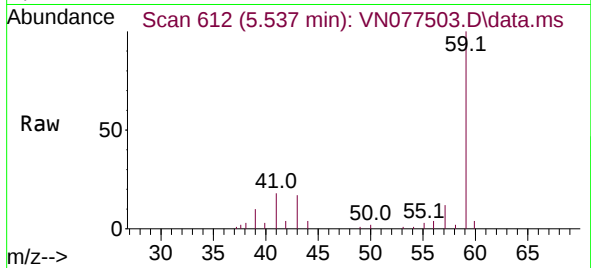
#23
tert-Butyl Alcohol
Concen: 89.896 ug/l
RT: 5.537 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823

Tgt Ion: 59 Resp: 124999
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

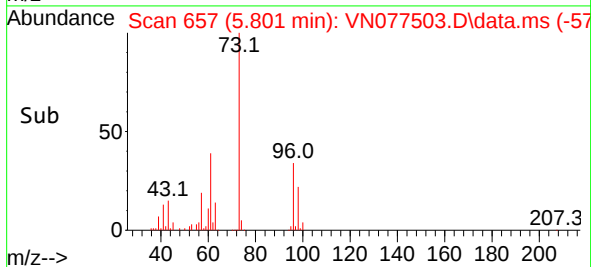
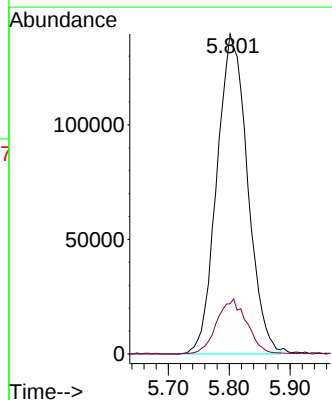
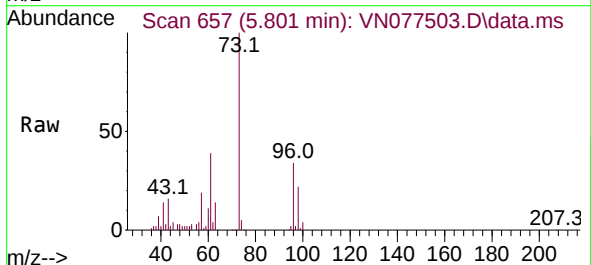
Manual Integrations
APPROVED

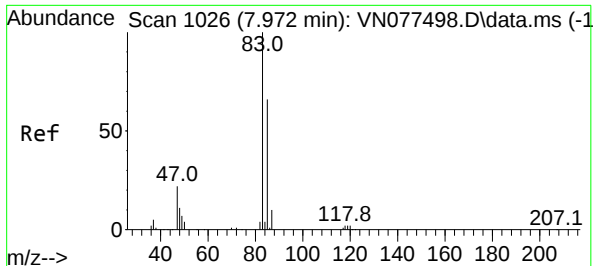
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#24
Methyl tert-Butyl Ether
Concen: 19.383 ug/l
RT: 5.801 min Scan# 657
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

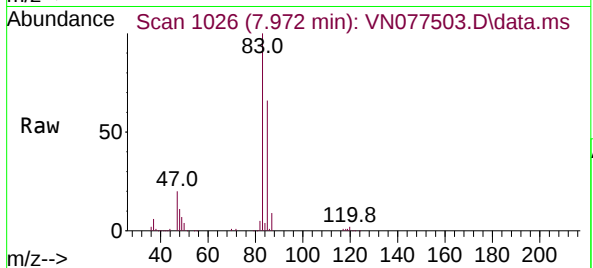
Tgt Ion: 73 Resp: 489728
Ion Ratio Lower Upper
73 100
43 16.9 13.5 20.3





#25
Chloroform
Concen: 19.558 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

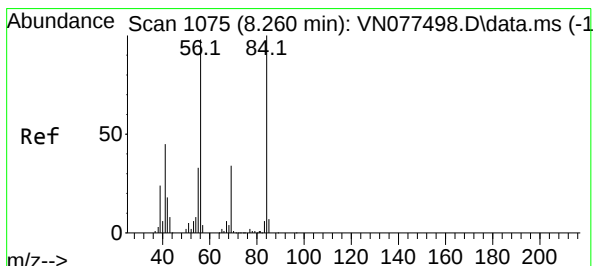
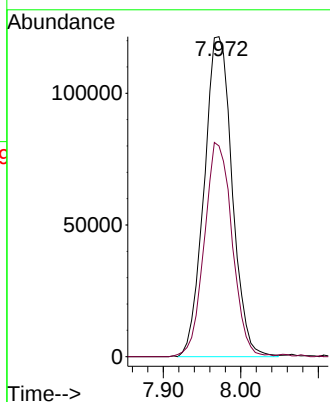
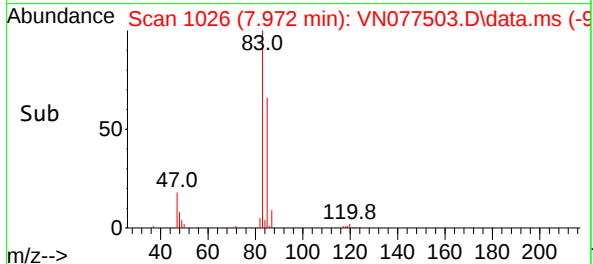
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



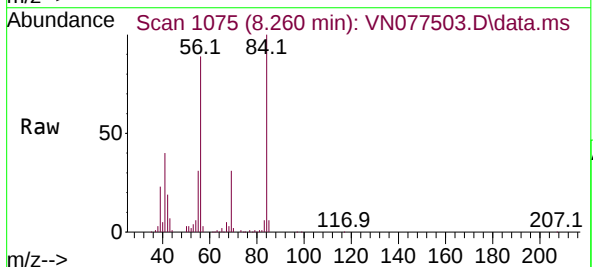
Tgt Ion: 83 Resp: 305440
Ion Ratio Lower Upper
83 100
85 65.3 53.0 79.4

Manual Integrations
APPROVED

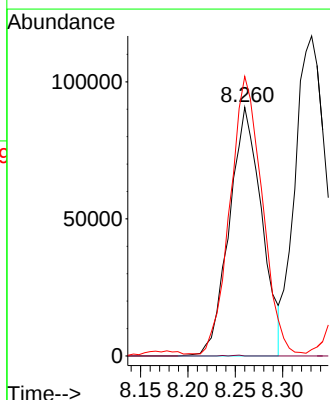
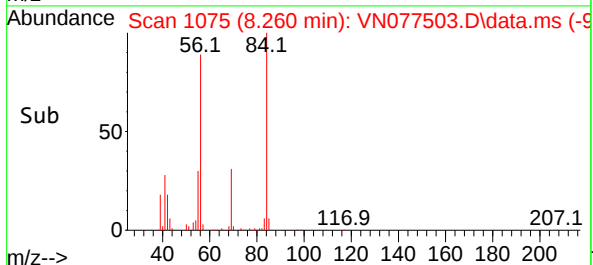
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

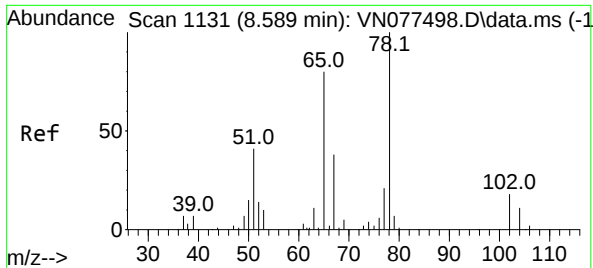


#26
Cyclohexane
Concen: 19.509 ug/l
RT: 8.260 min Scan# 1075
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59



Tgt Ion: 56 Resp: 216241
Ion Ratio Lower Upper
56 100
89 0.1 0.1 0.1
84 112.0 85.4 128.2





#27
1,2-Dichloroethane-d4
Concen: 30.287 ug/l
RT: 8.583 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042823

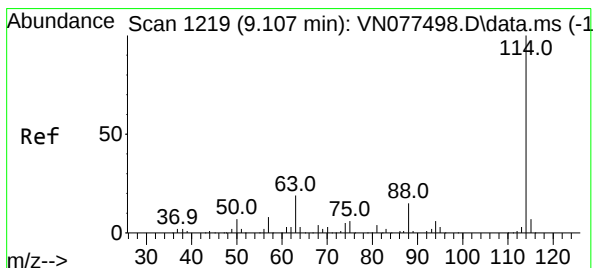
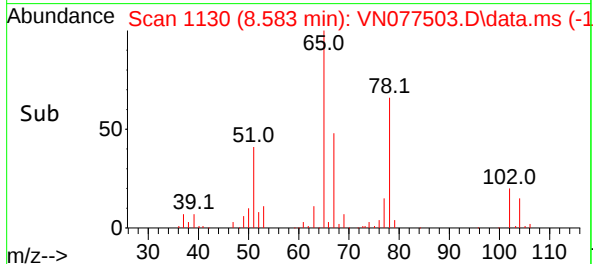
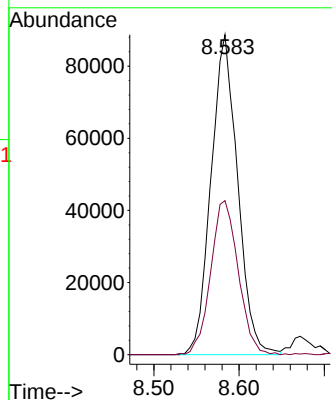
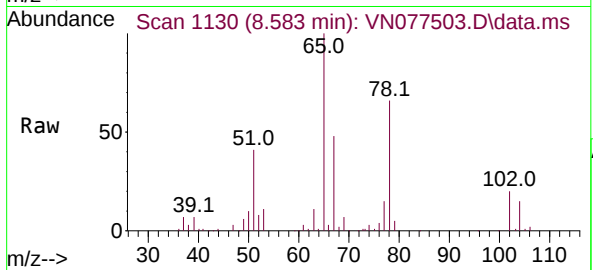
Tgt Ion: 65 Resp: 19230
Ion Ratio Lower Upper
65 100
67 49.9 40.2 60.2

Manual Integrations

APPROVED

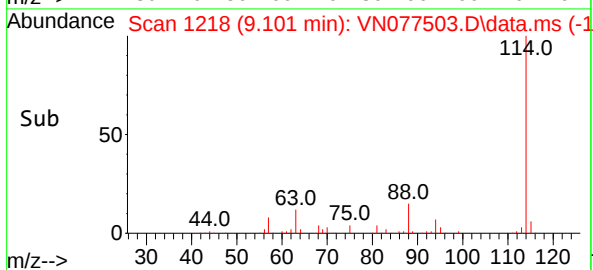
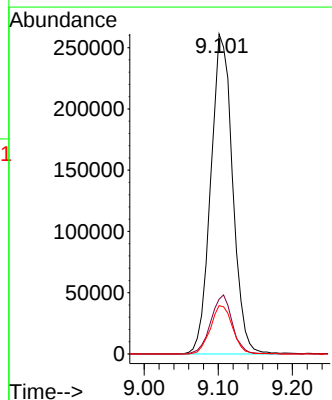
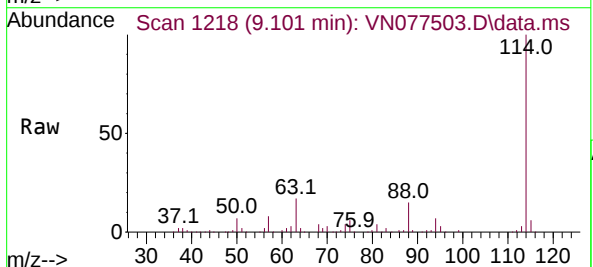
Reviewed By :John Carlone 04/29/2023

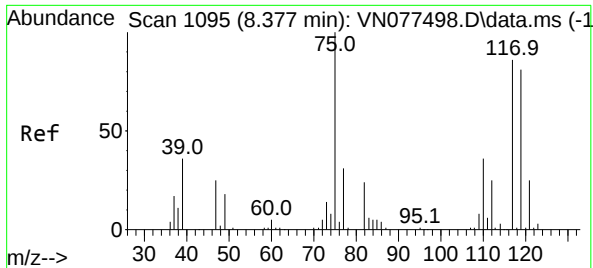
Supervised By :Semsettin Yesilyurt 04/29/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.101 min Scan# 1218
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion:114 Resp: 533895
Ion Ratio Lower Upper
114 100
63 18.2 14.1 21.1
88 15.2 12.3 18.5





#29
1,1-Dichloropropene
Concen: 19.343 ug/l
RT: 8.378 min Scan# 1095
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042823

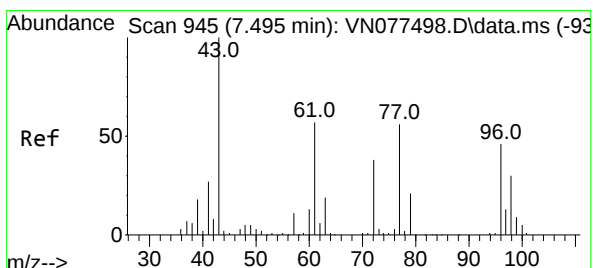
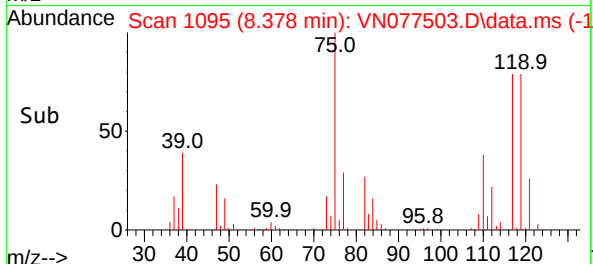
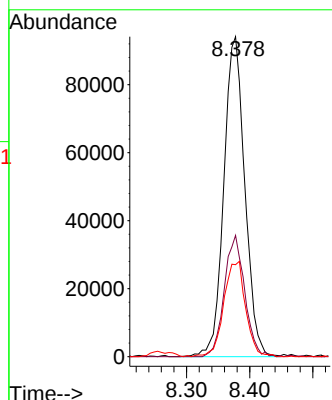
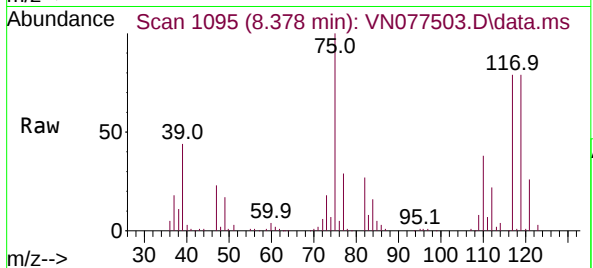
Tgt Ion: 75 Resp: 21768
Ion Ratio Lower Upper
75 100
110 36.8 0.0 74.0
77 30.9 0.0 62.8

Manual Integrations

APPROVED

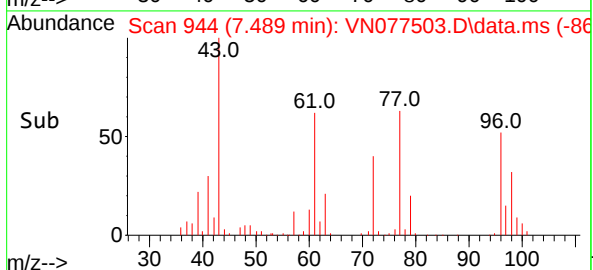
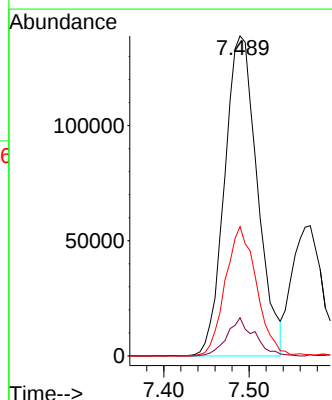
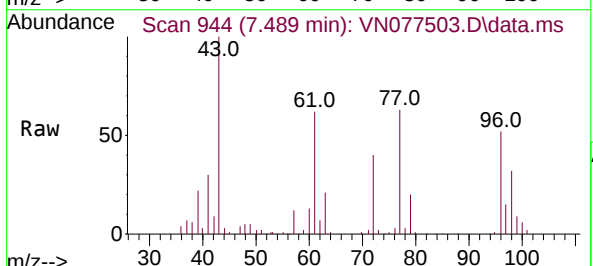
Reviewed By :John Carlone 04/29/2023

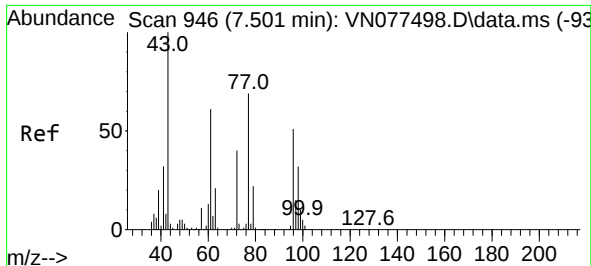
Supervised By :Semsettin Yesilyurt 04/29/2023



#30
2-Butanone
Concen: 90.013 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion: 43 Resp: 371395
Ion Ratio Lower Upper
43 100
57 7.5 8.0 12.0#
72 38.4 30.4 45.6





#31

2,2-Dichloropropane

Concen: 20.068 ug/l

RT: 7.495 min Scan# 94

Delta R.T. -0.006 min

Lab File: VN077503.D

Acq: 28 Apr 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042823

Tgt Ion: 77 Resp: 26425

Ion Ratio Lower Upper

77 100

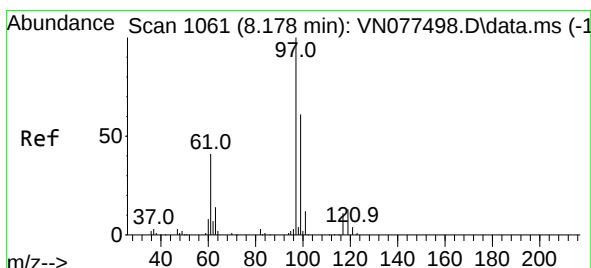
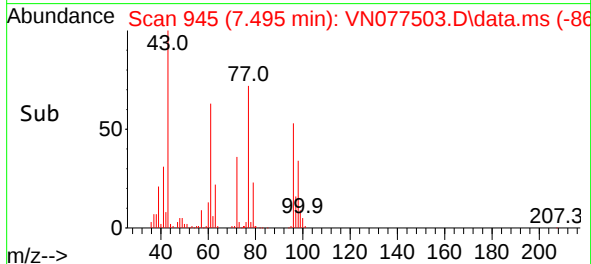
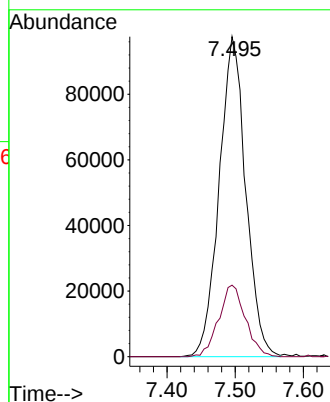
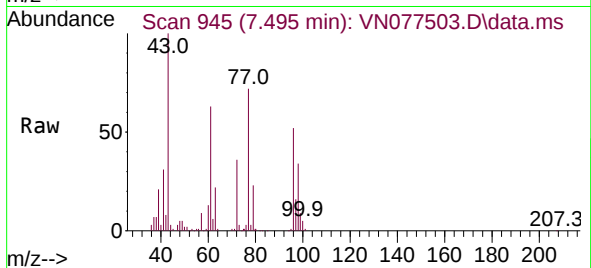
97 22.3 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#32

1,1,1-Trichloroethane

Concen: 19.377 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.006 min

Lab File: VN077503.D

Acq: 28 Apr 2023 15:59

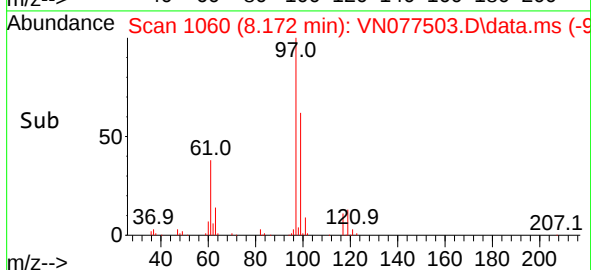
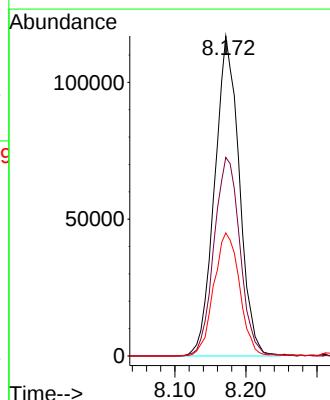
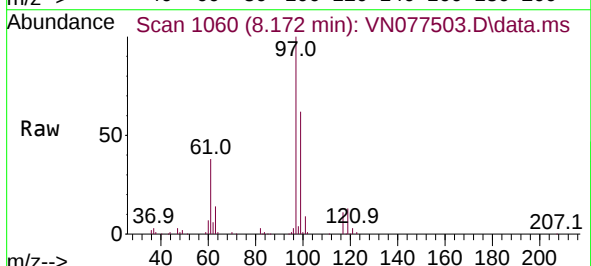
Tgt Ion: 97 Resp: 281462

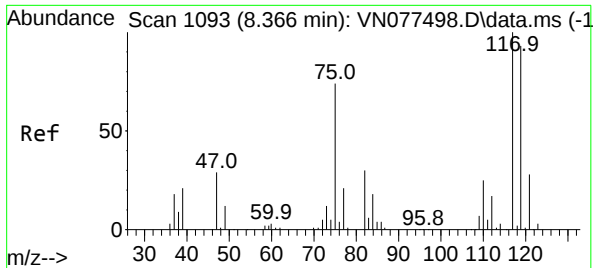
Ion Ratio Lower Upper

97 100

99 65.4 50.1 75.1

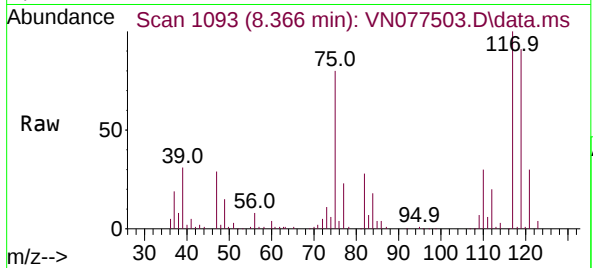
61 40.4 31.1 46.7





#33
Carbon Tetrachloride
Concen: 18.908 ug/l
RT: 8.366 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

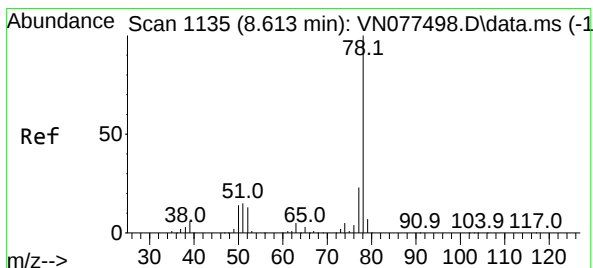
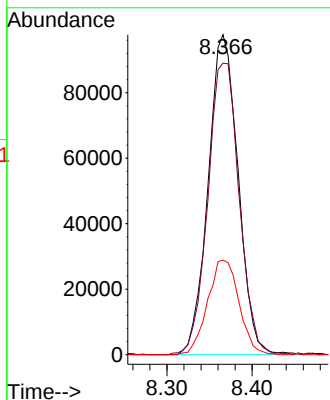
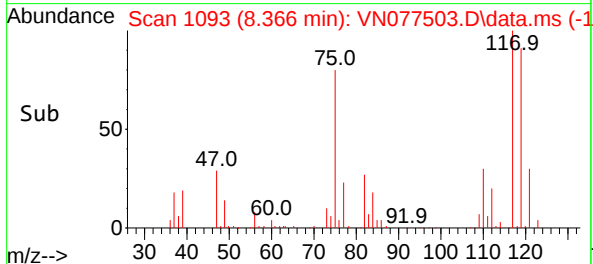
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



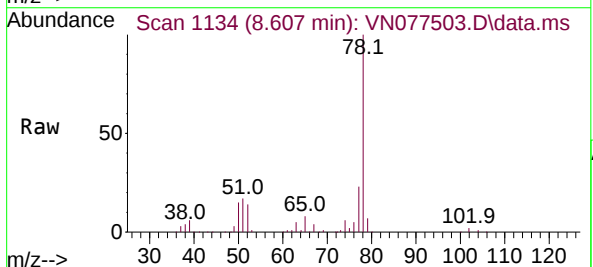
Tgt Ion: 117 Resp: 23838
Ion Ratio Lower Upper
117 100
119 90.5 72.6 109.0
121 29.5 24.3 36.5

Manual Integrations
APPROVED

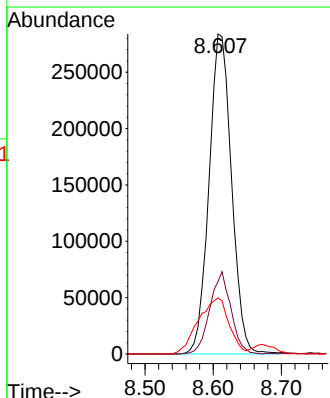
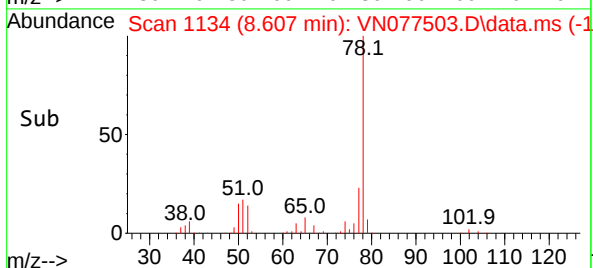
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

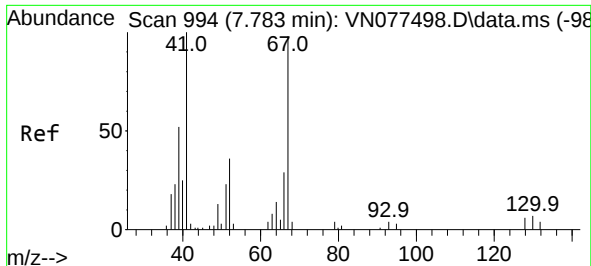


#34
Benzene
Concen: 18.880 ug/l
RT: 8.607 min Scan# 1134
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59



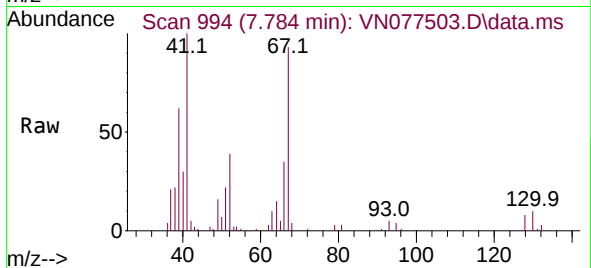
Tgt Ion: 78 Resp: 653405
Ion Ratio Lower Upper
78 100
77 22.6 17.1 25.7
51 16.8 11.3 16.9





#35
Methacrylonitrile
Concen: 17.997 ug/l
RT: 7.784 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

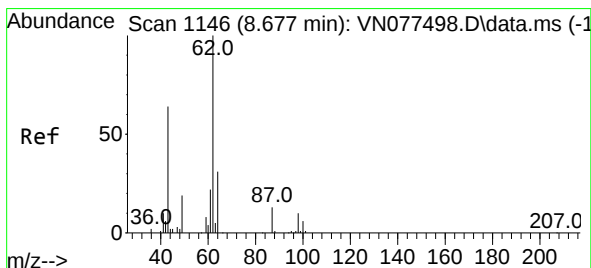
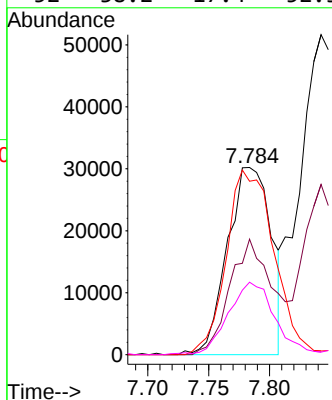
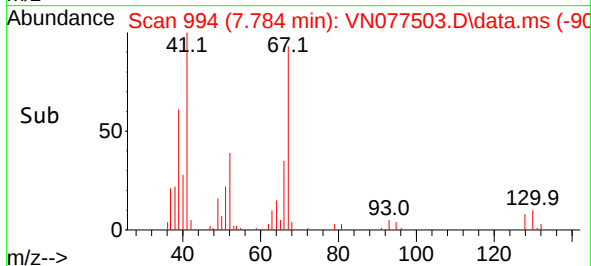
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



Tgt Ion:	41	Resp:	7581
Ion Ratio	100	Lower	Upper
39	62.1	25.9	77.8
67	93.1	48.1	144.4
52	38.2	17.4	52.3

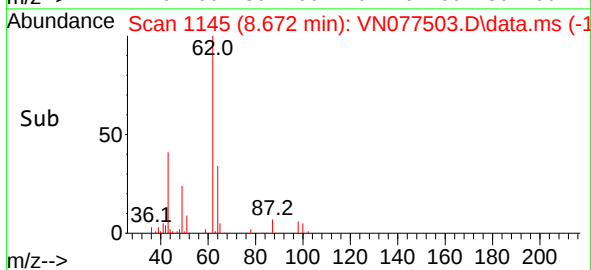
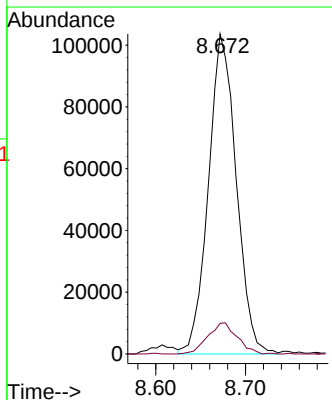
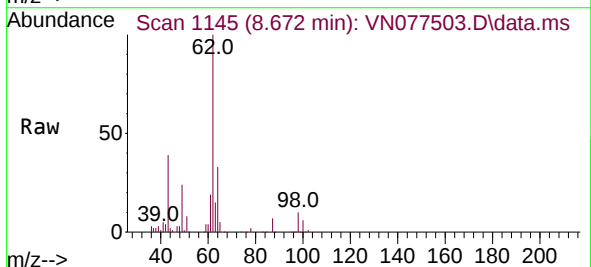
Manual Integrations
APPROVED

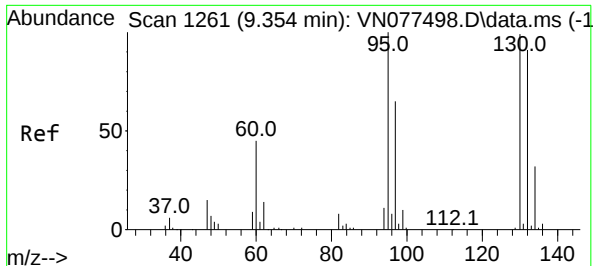
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#36
1,2-Dichloroethane
Concen: 18.906 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion:	62	Resp:	223463
Ion Ratio	100	Lower	Upper
98	10.2	8.0	12.0





#37

Trichloroethene

Concen: 19.300 ug/l

RT: 9.354 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077503.D

Acq: 28 Apr 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042823

Tgt Ion:130 Resp: 168828

Ion Ratio Lower Upper

130 100

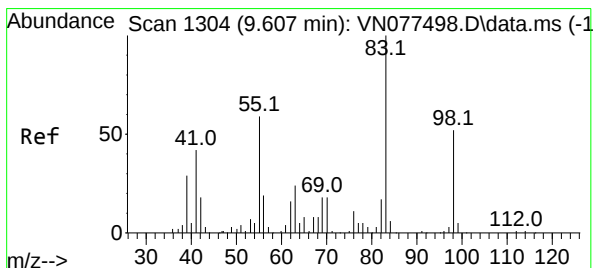
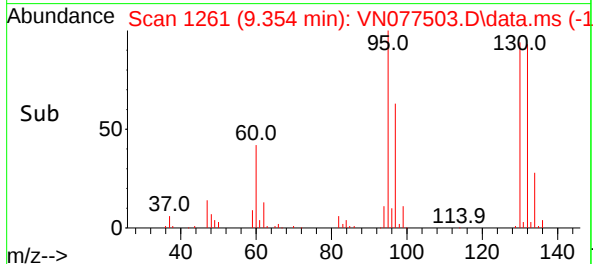
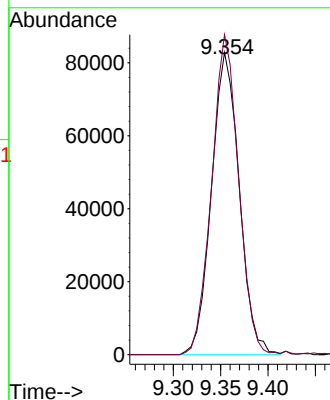
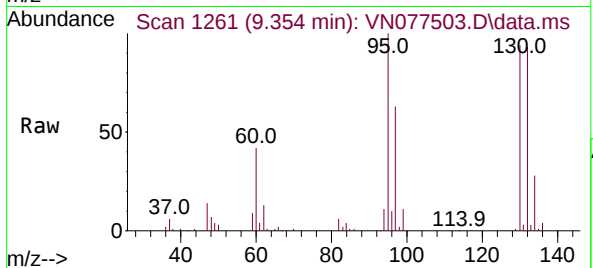
95 105.9 87.1 130.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#38

Methylcyclohexane

Concen: 19.843 ug/l

RT: 9.601 min Scan# 1303

Delta R.T. -0.006 min

Lab File: VN077503.D

Acq: 28 Apr 2023 15:59

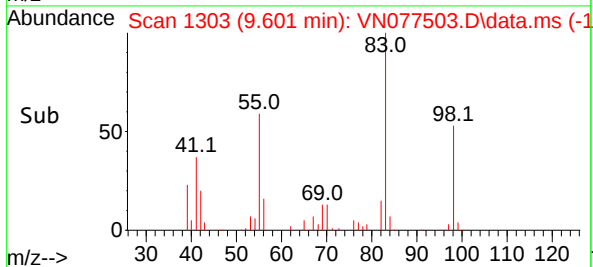
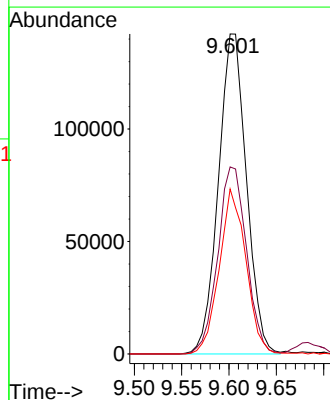
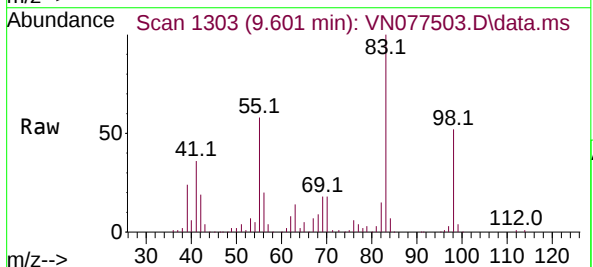
Tgt Ion: 83 Resp: 293390

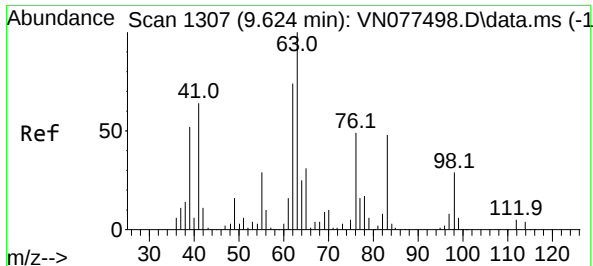
Ion Ratio Lower Upper

83 100

55 59.8 29.6 88.9

98 49.0 25.1 75.3





#39

1,2-Dichloropropane

Concen: 19.516 ug/l

RT: 9.625 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VN077503.D

Acq: 28 Apr 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042823

Tgt Ion: 63 Resp: 156439

Ion Ratio Lower Upper

63 100

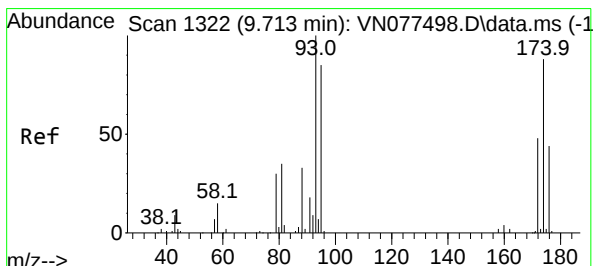
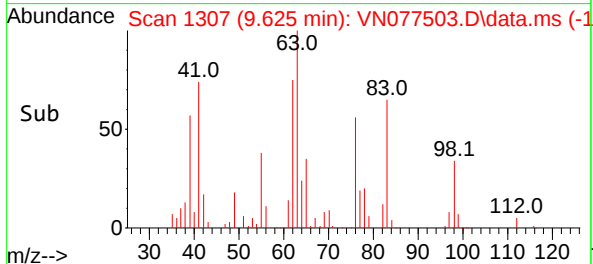
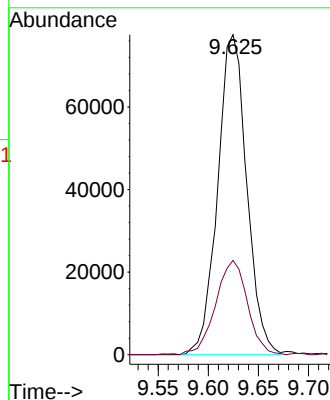
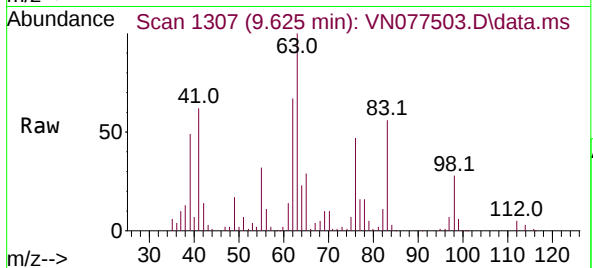
65 29.4 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#40

Dibromomethane

Concen: 19.599 ug/l

RT: 9.707 min Scan# 1321

Delta R.T. -0.006 min

Lab File: VN077503.D

Acq: 28 Apr 2023 15:59

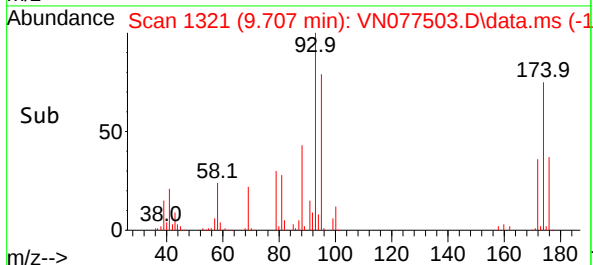
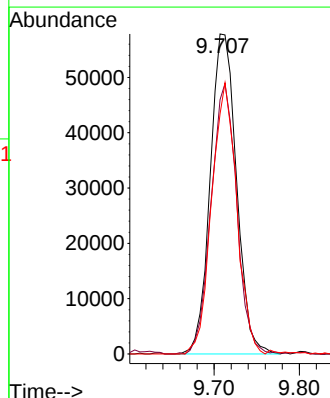
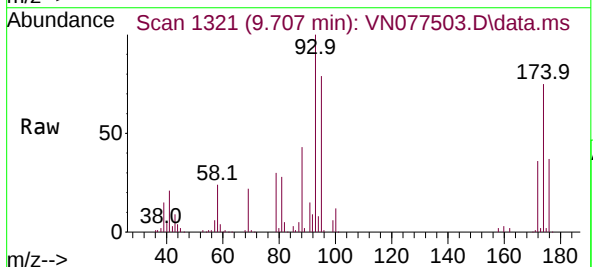
Tgt Ion: 93 Resp: 123897

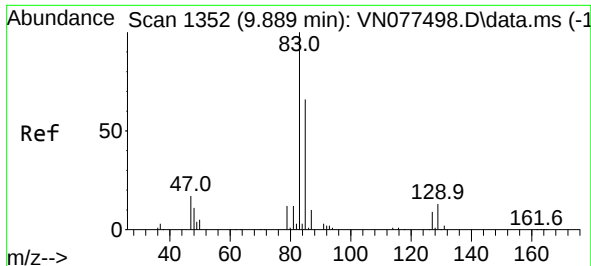
Ion Ratio Lower Upper

93 100

95 82.2 0.0 171.0

174 80.6 0.0 164.2





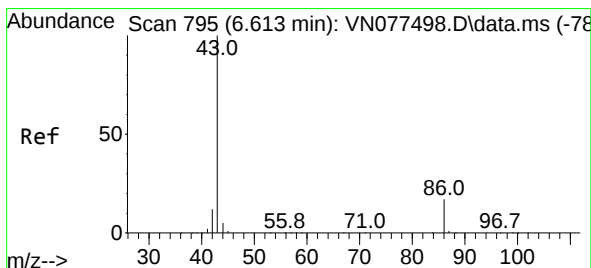
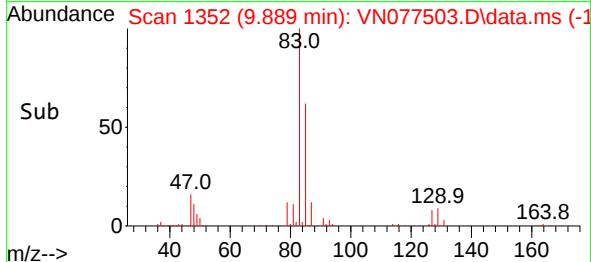
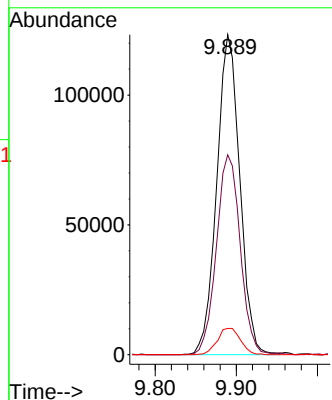
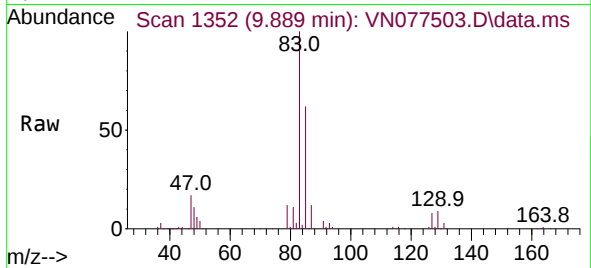
#41
Bromodichloromethane
Concen: 19.519 ug/l
RT: 9.889 min Scan# 1352
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823

Tgt Ion: 83 Resp: 24370
Ion Ratio Lower Upper
83 100
85 62.5 49.2 73.8
127 8.2 6.1 9.1

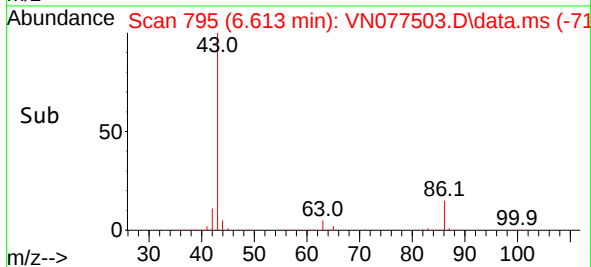
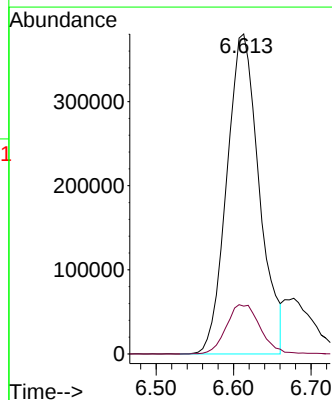
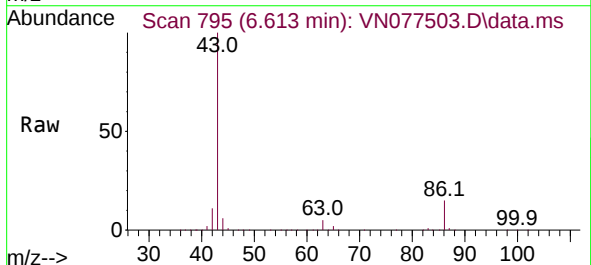
Manual Integrations
APPROVED

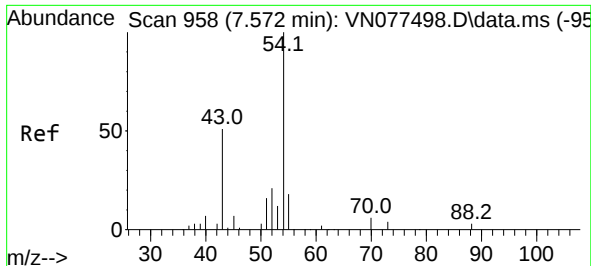
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#42
Vinyl Acetate
Concen: 85.472 ug/l
RT: 6.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

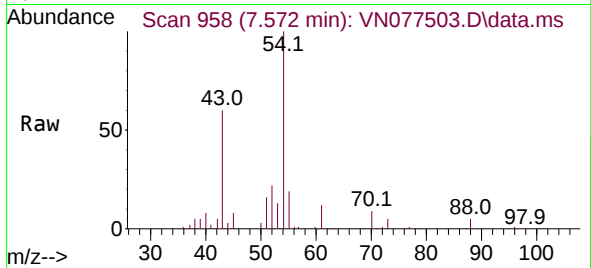
Tgt Ion: 43 Resp: 1110671
Ion Ratio Lower Upper
43 100
86 15.9 12.6 18.8





#43
Ethyl Acetate
Concen: 18.390 ug/l m
RT: 7.572 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

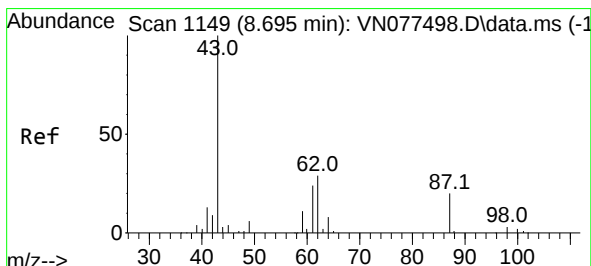
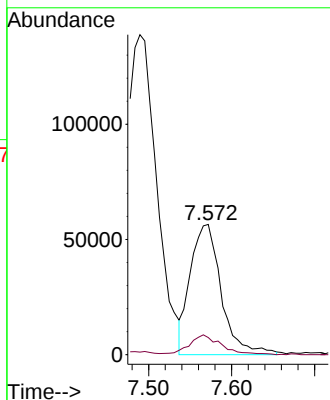
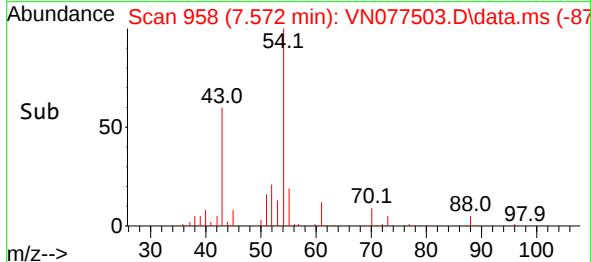
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



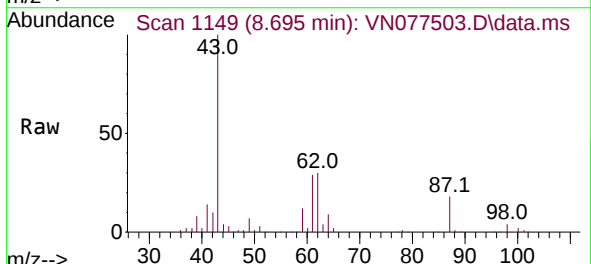
Tgt Ion: 43 Resp: 146864
Ion Ratio Lower Upper
43 100
45 2.3 4.8 7.2

Manual Integrations
APPROVED

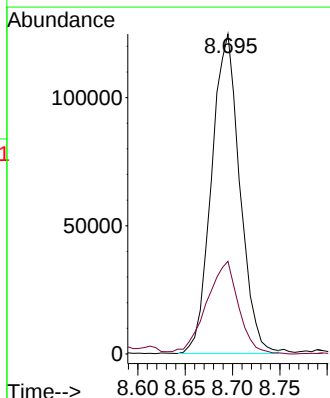
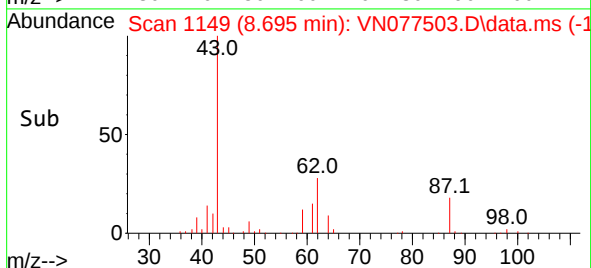
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

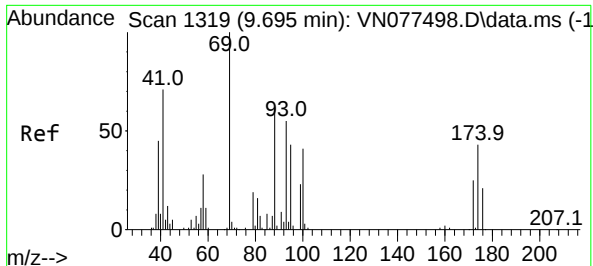


#44
Isopropyl Acetate
Concen: 18.305 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59



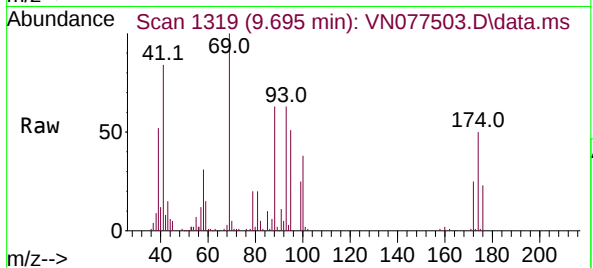
Tgt Ion: 43 Resp: 258959
Ion Ratio Lower Upper
43 100
61 32.9 27.2 40.8





#45
1,4-Dioxane
Concen: 395.543 ug/l
RT: 9.695 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

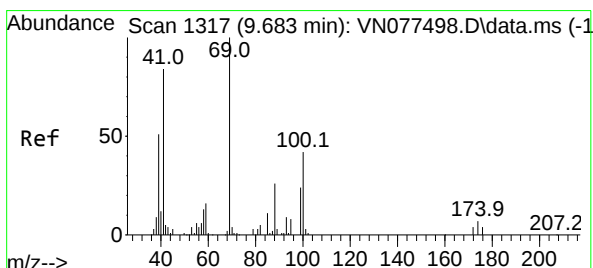
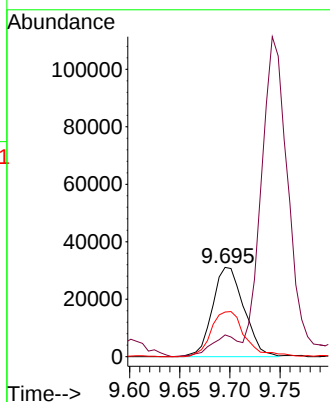
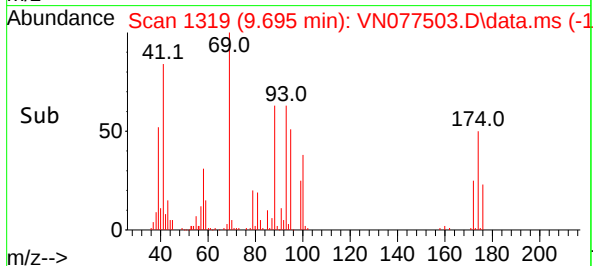
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



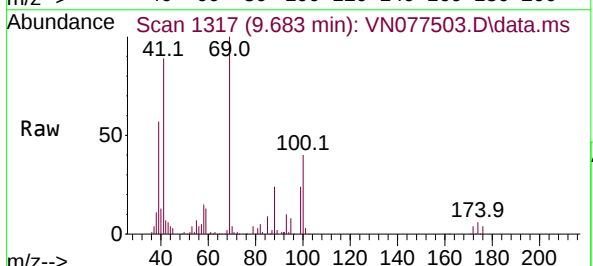
Tgt Ion: 88 Resp: 67862
Ion Ratio Lower Upper
88 100
43 22.0 16.6 24.8
58 51.9 47.3 70.9

Manual Integrations
APPROVED

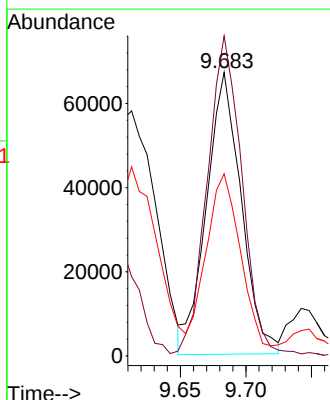
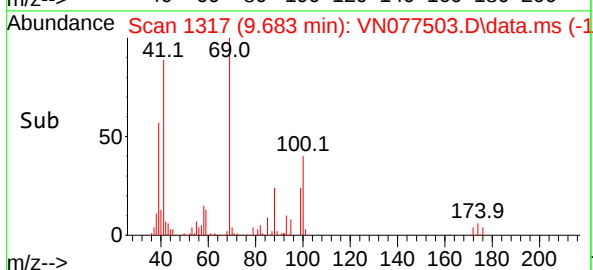
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

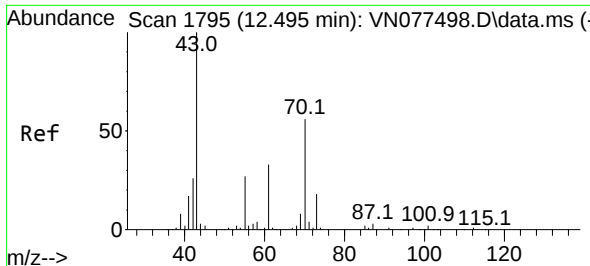


#46
Methyl methacrylate
Concen: 19.208 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59



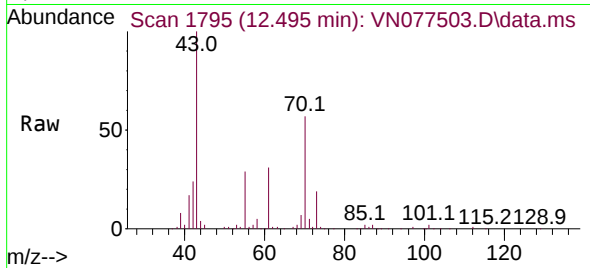
Tgt Ion: 41 Resp: 123668
Ion Ratio Lower Upper
41 100
69 116.6 59.2 177.6
39 63.4 33.4 100.1





#47
n-amy1 Acetate
Concen: 19.065 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

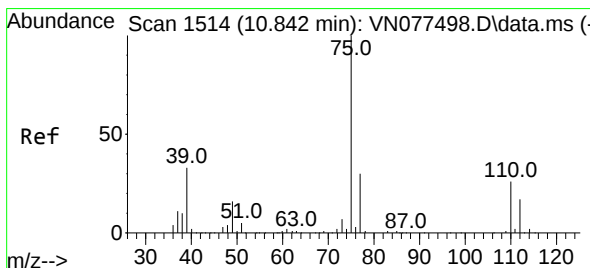
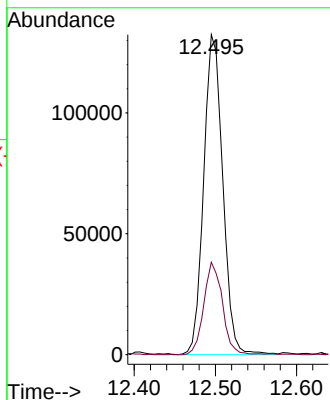
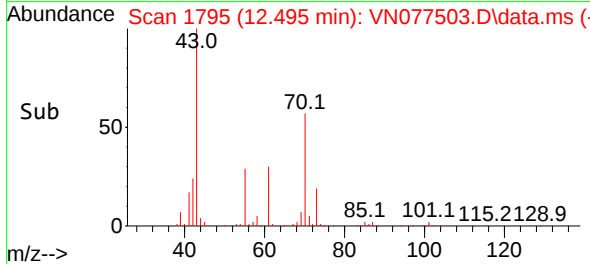
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



Tgt Ion: 43 Resp: 21620
Ion Ratio Lower Upper
43 100
55 28.0 22.2 33.2

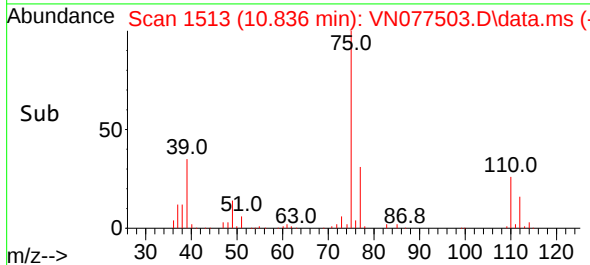
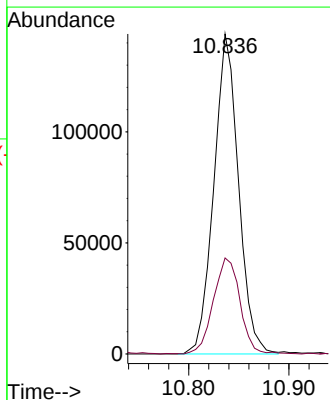
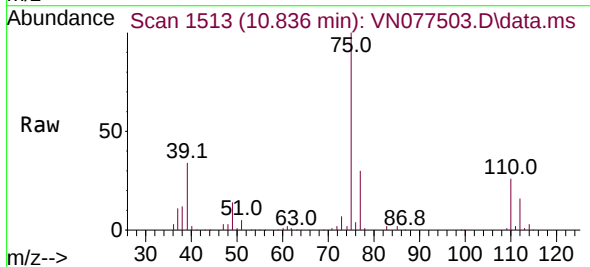
Manual Integrations
APPROVED

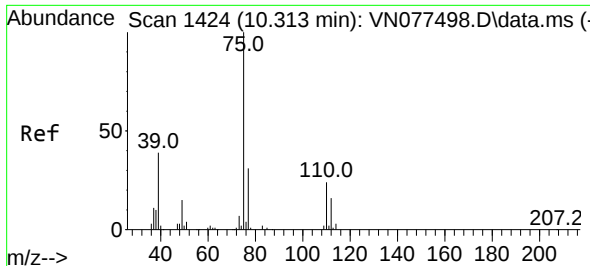
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#48
t-1,3-Dichloropropene
Concen: 19.350 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

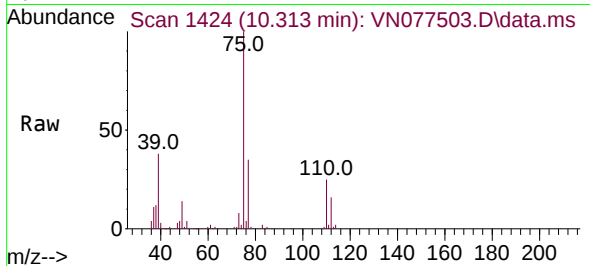
Tgt Ion: 75 Resp: 245960
Ion Ratio Lower Upper
75 100
77 29.9 23.9 35.9





#49
 cis-1,3-Dichloropropene
 Concen: 19.647 ug/l
 RT: 10.313 min Scan# 1424
 Delta R.T. 0.000 min
 Lab File: VN077503.D
 Acq: 28 Apr 2023 15:59

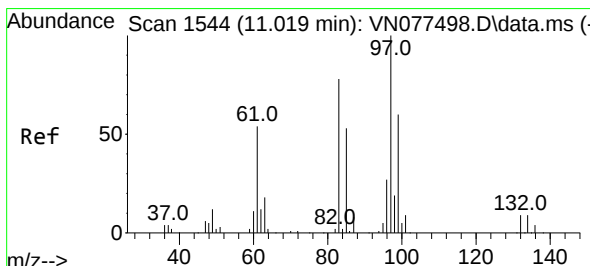
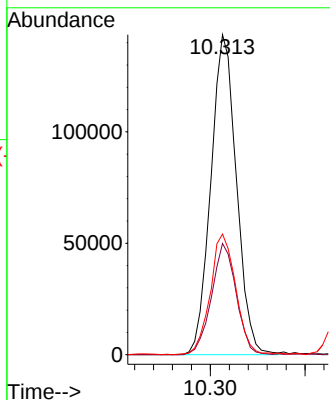
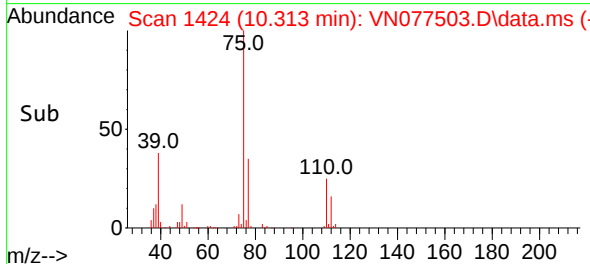
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042823



Tgt Ion: 75 Resp: 26959
 Ion Ratio Lower Upper
 75 100
 77 34.8 25.8 38.8
 39 37.5 28.5 42.7

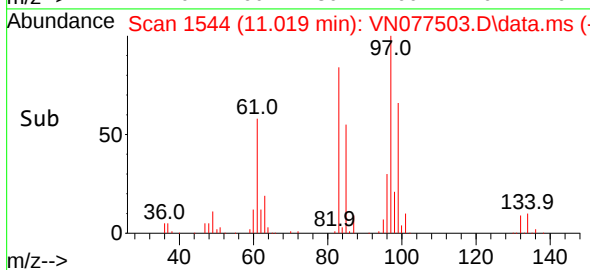
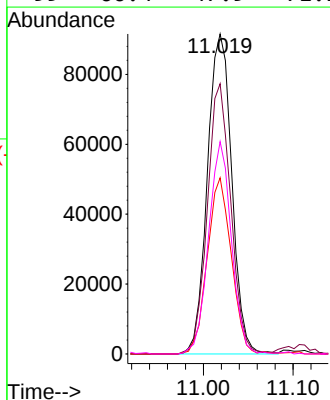
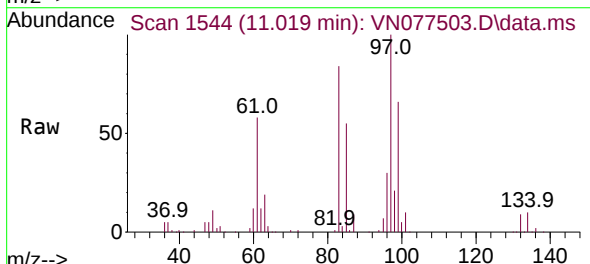
Manual Integrations
 APPROVED

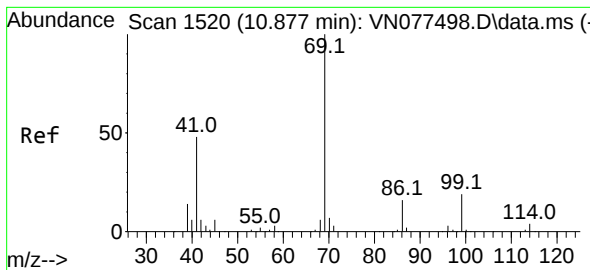
Reviewed By :John Carlone 04/29/2023
 Supervised By :Semsettin Yesilyurt 04/29/2023



#50
 1,1,2-Trichloroethane
 Concen: 19.248 ug/l
 RT: 11.019 min Scan# 1544
 Delta R.T. 0.000 min
 Lab File: VN077503.D
 Acq: 28 Apr 2023 15:59

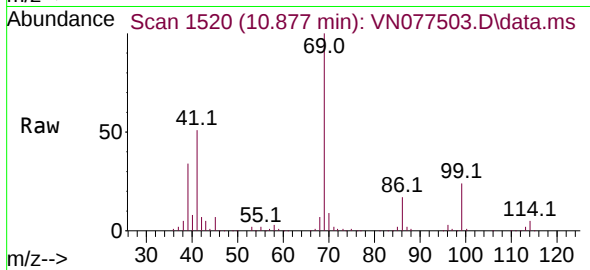
Tgt Ion: 97 Resp: 172732
 Ion Ratio Lower Upper
 97 100
 83 84.4 67.0 100.6
 85 55.1 41.6 62.4
 99 66.4 47.9 71.9





#51
Ethyl methacrylate
Concen: 19.488 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

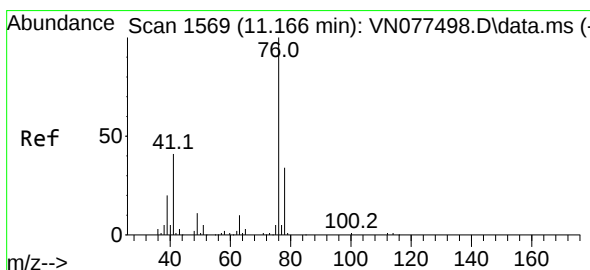
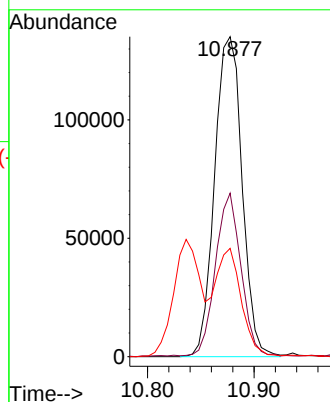
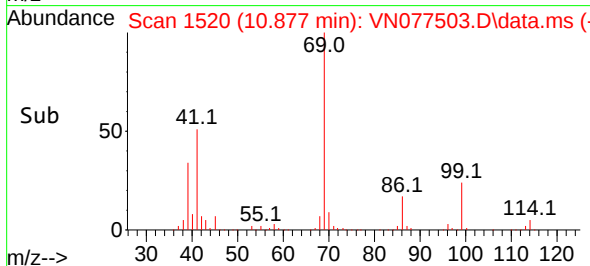
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



Tgt Ion: 69 Resp: 242110
Ion Ratio Lower Upper
69 100
41 50.8 22.5 67.5
39 33.6 16.2 48.5

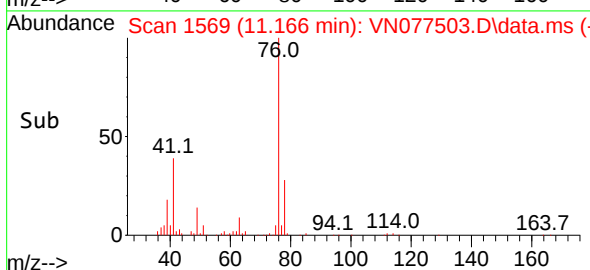
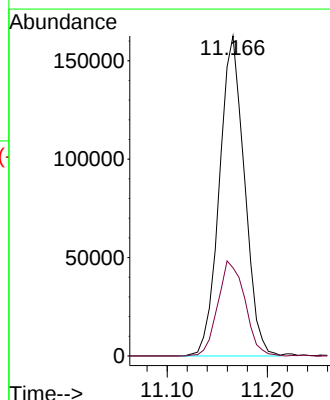
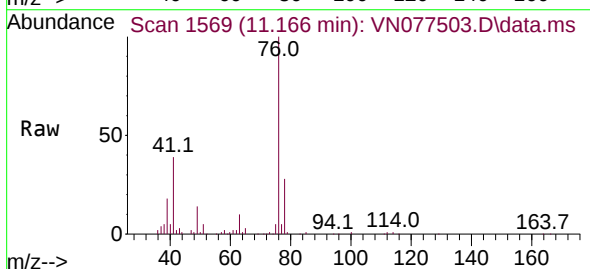
Manual Integrations
APPROVED

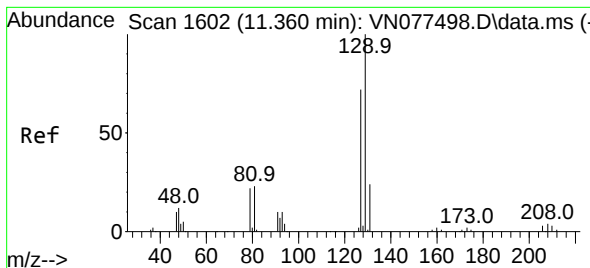
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#52
1,3-Dichloropropane
Concen: 19.352 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion: 76 Resp: 281812
Ion Ratio Lower Upper
76 100
78 32.0 0.0 64.4





#53

Dibromochloromethane

Concen: 19.430 ug/l

RT: 11.360 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VN077503.D

Acq: 28 Apr 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042823

Tgt Ion:129 Resp: 179512

Ion Ratio Lower Upper

129 100

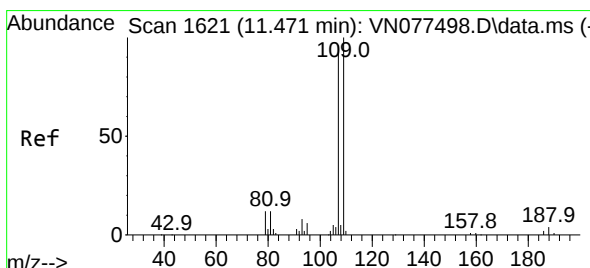
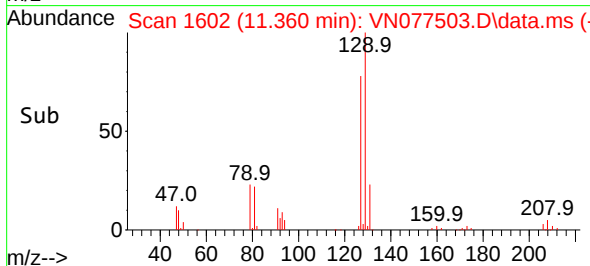
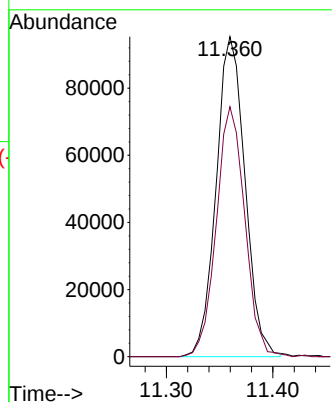
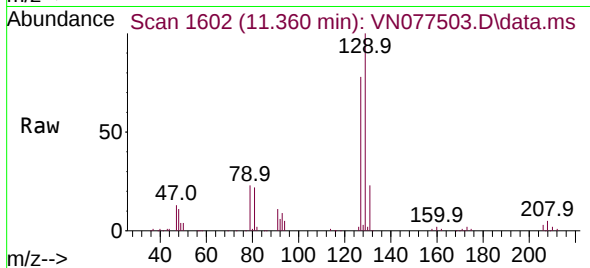
127 76.7 38.2 114.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#54

1,2-Dibromoethane

Concen: 19.065 ug/l

RT: 11.472 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VN077503.D

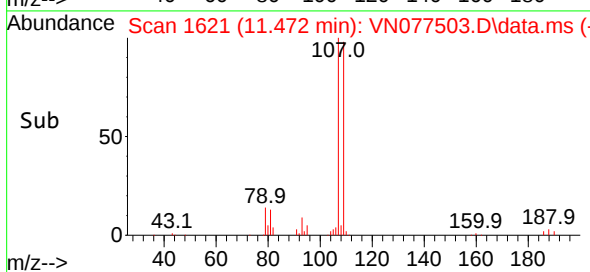
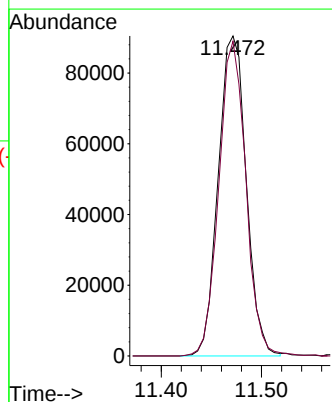
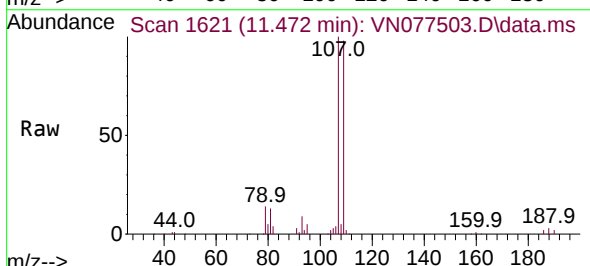
Acq: 28 Apr 2023 15:59

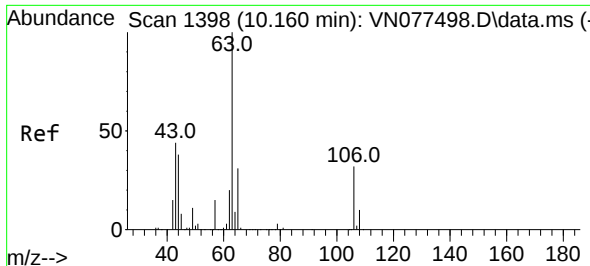
Tgt Ion:107 Resp: 175085

Ion Ratio Lower Upper

107 100

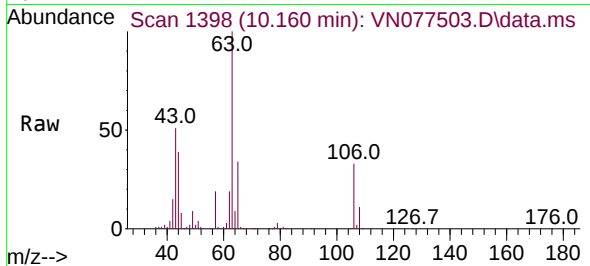
109 95.0 73.8 110.6





#55
2-Chloroethyl vinyl ether
Concen: 83.014 ug/l
RT: 10.160 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

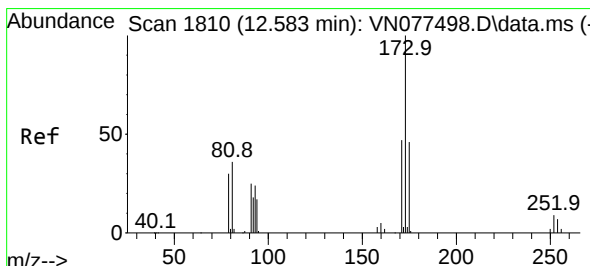
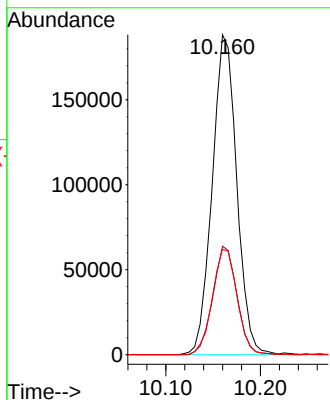
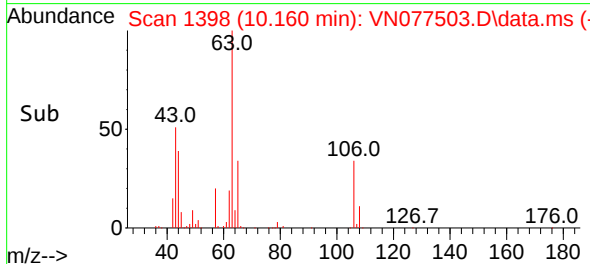
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



Tgt Ion: 63 Resp: 338439
Ion Ratio Lower Upper
63 100
65 33.4 25.8 38.6
106 33.1 26.2 39.2

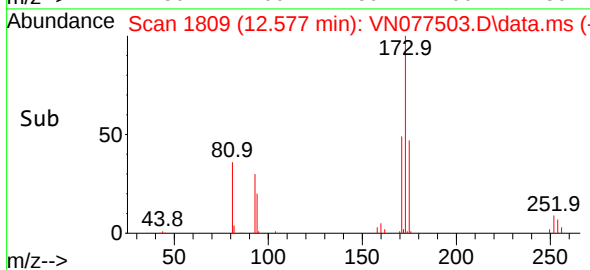
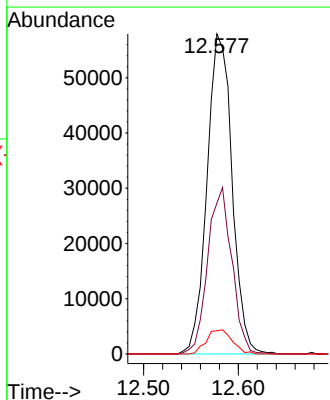
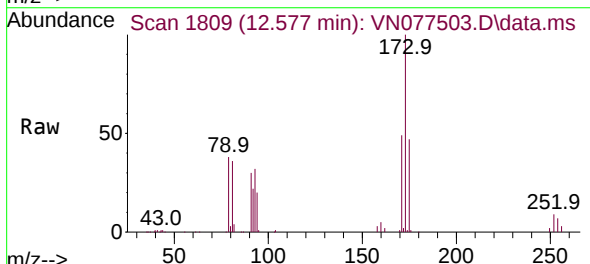
Manual Integrations
APPROVED

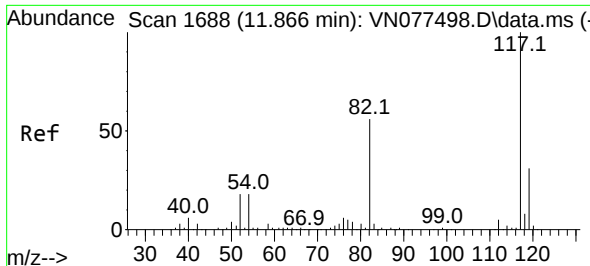
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#56
Bromoform
Concen: 18.513 ug/l
RT: 12.577 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion:173 Resp: 106686
Ion Ratio Lower Upper
173 100
175 50.1 40.3 60.5
254 7.8 5.0 7.6#





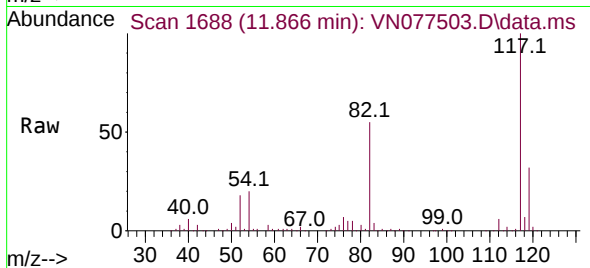
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042823



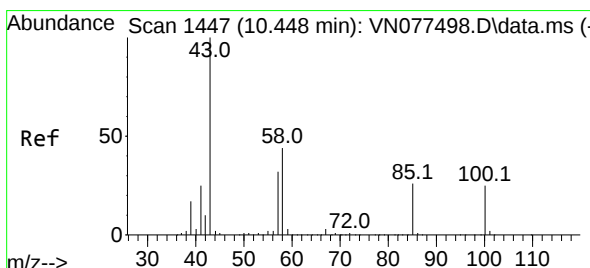
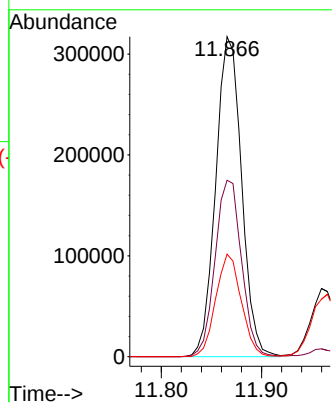
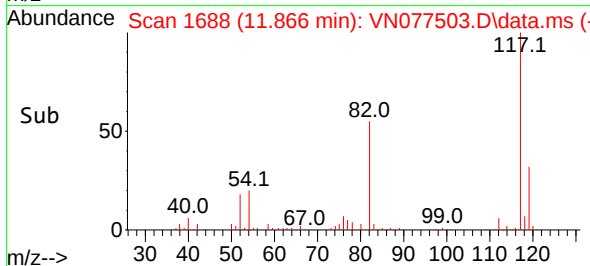
Tgt Ion:117 Resp: 569278
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.2
119 31.6 25.4 38.2

Manual Integrations

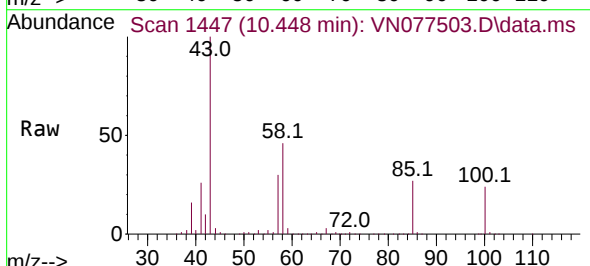
APPROVED

Reviewed By :John Carlone 04/29/2023

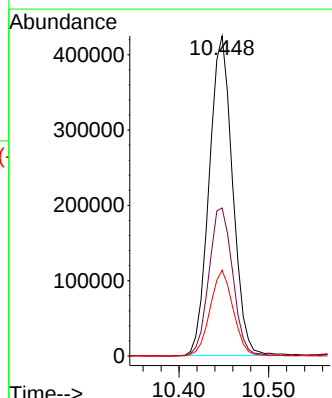
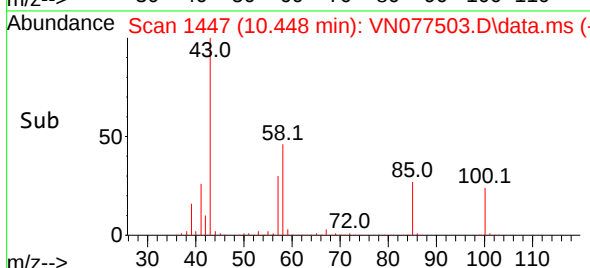
Supervised By :Semsettin Yesilyurt 04/29/2023

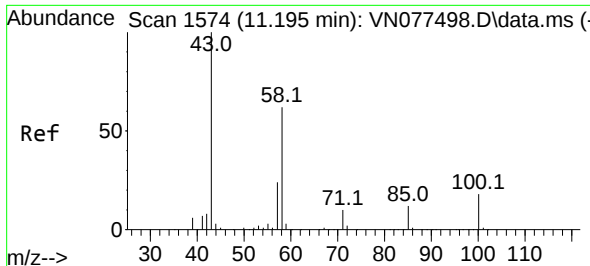


#58
4-Methyl-2-Pentanone
Concen: 93.669 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59



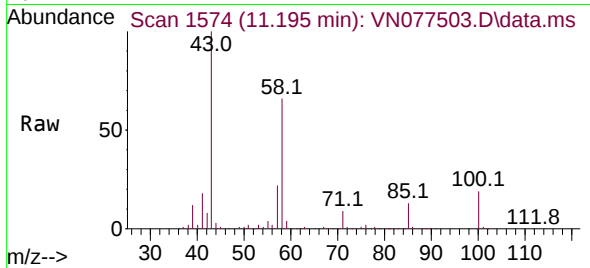
Tgt Ion: 43 Resp: 767941
Ion Ratio Lower Upper
43 100
58 47.2 37.2 55.8
85 26.5 21.1 31.7





#59
2-Hexanone
Concen: 95.083 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

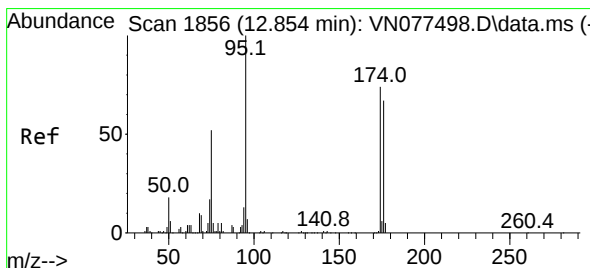
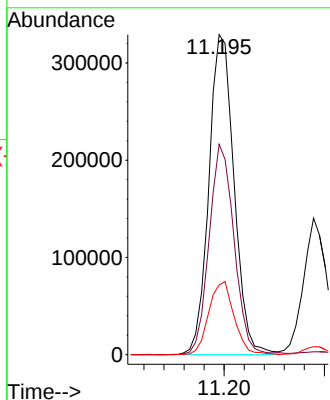
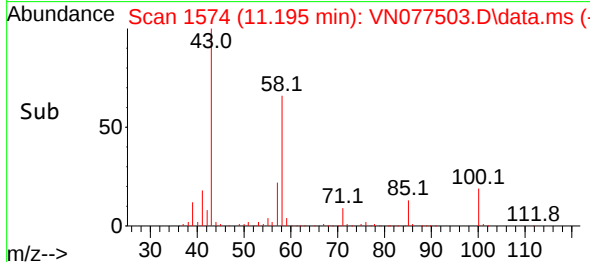
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



Tgt Ion: 43 Resp: 574324
Ion Ratio Lower Upper
43 100
58 64.9 51.8 77.8
57 23.0 18.2 27.4

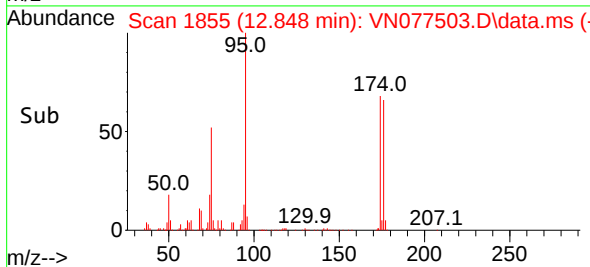
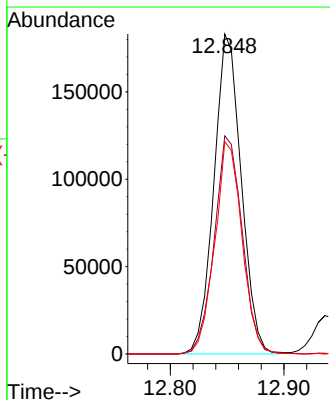
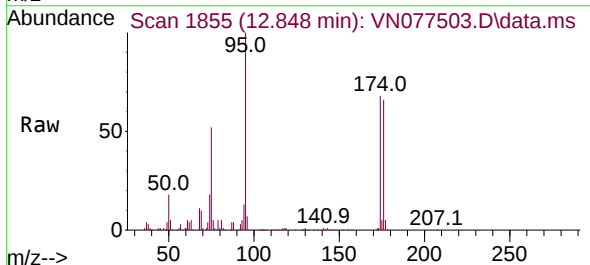
Manual Integrations
APPROVED

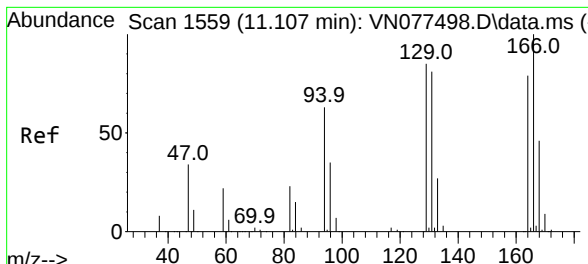
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#60
4-Bromofluorobenzene
Concen: 30.723 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

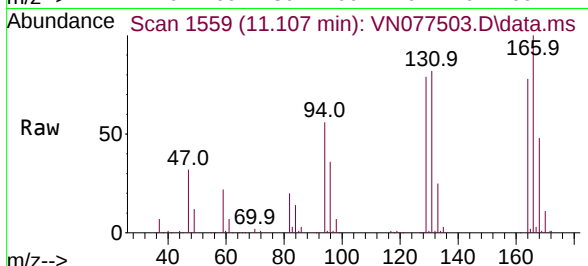
Tgt Ion: 95 Resp: 306415
Ion Ratio Lower Upper
95 100
174 69.5 55.9 83.9
176 66.3 53.9 80.9





#61
Tetrachloroethene
Concen: 20.094 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

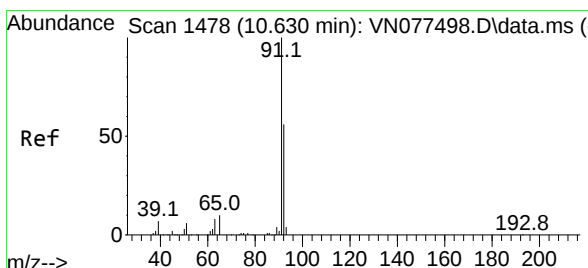
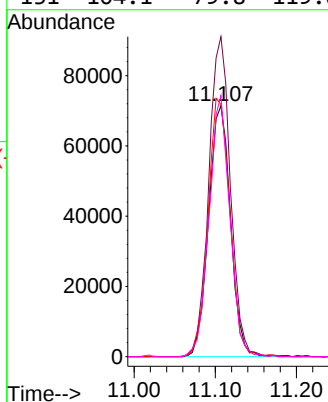
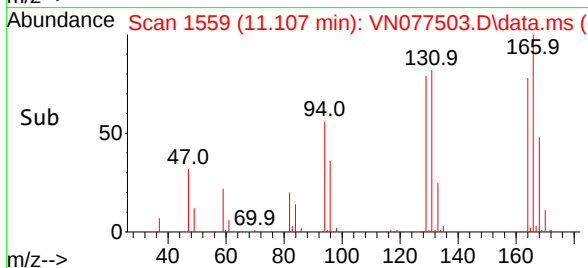
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



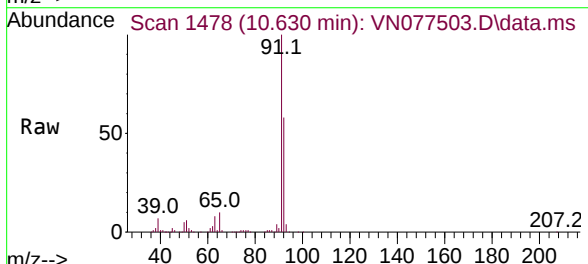
Tgt Ion:164 Resp: 13361
Ion Ratio Lower Upper
164 100
166 127.6 94.5 141.7
129 100.6 80.2 120.2
131 104.1 79.8 119.8

Manual Integrations
APPROVED

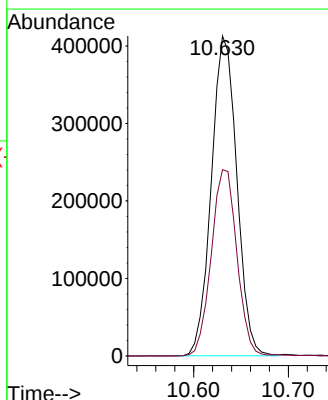
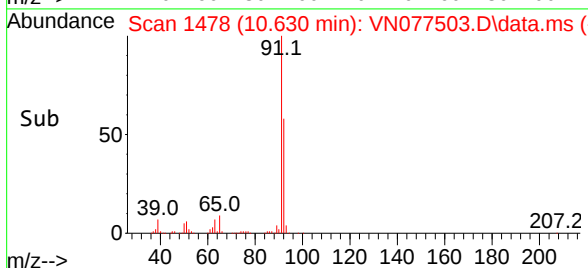
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

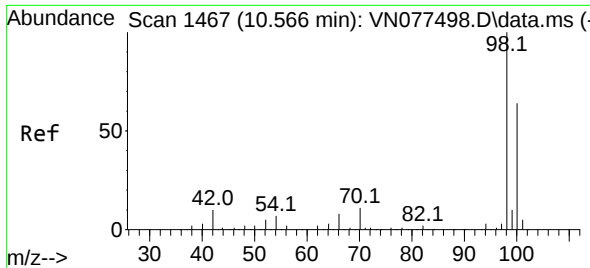


#62
Toluene
Concen: 20.165 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59



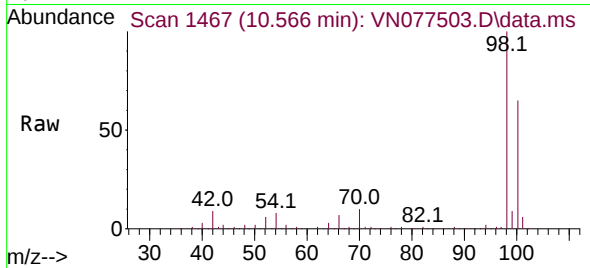
Tgt Ion: 91 Resp: 772058
Ion Ratio Lower Upper
91 100
92 58.5 46.1 69.1





#63
Toluene-d8
Concen: 30.280 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

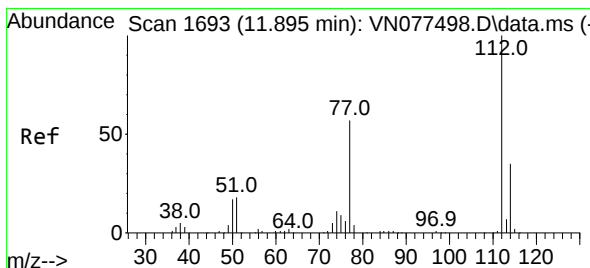
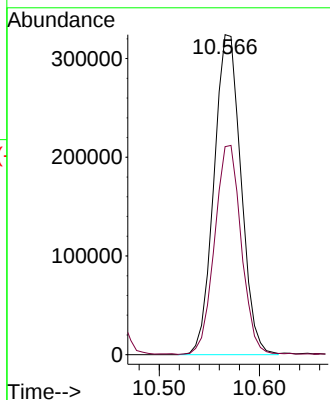
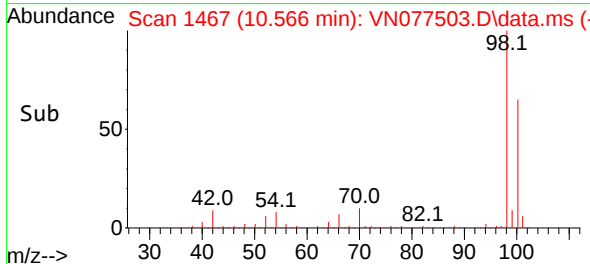
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



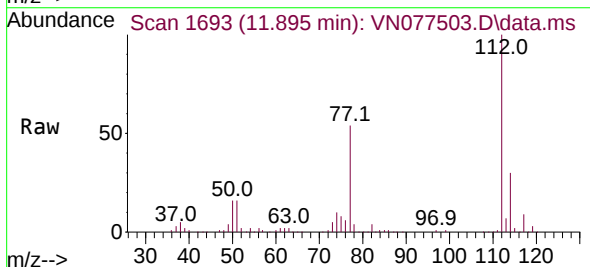
Tgt Ion: 98 Resp: 607400
Ion Ratio Lower Upper
98 100
100 64.6 51.0 76.4

Manual Integrations
APPROVED

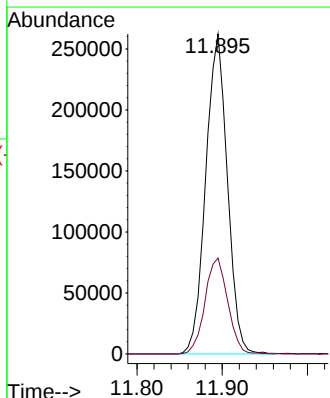
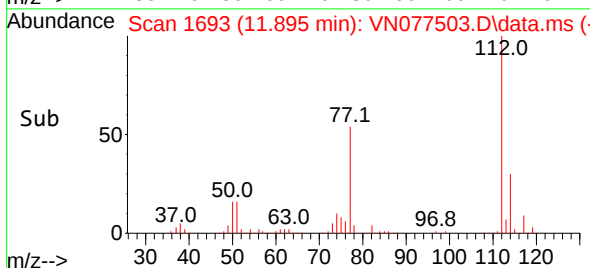
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

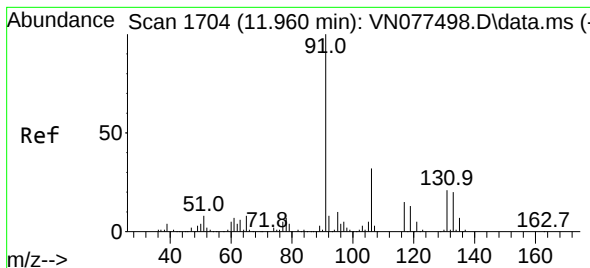


#64
Chlorobenzene
Concen: 19.775 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59



Tgt Ion:112 Resp: 462525
Ion Ratio Lower Upper
112 100
114 29.9 23.9 35.9





#65

1,1,1,2-Tetrachloroethane

Concen: 20.662 ug/l

RT: 11.966 min Scan# 1705

Delta R.T. 0.006 min

Lab File: VN077503.D

Acq: 28 Apr 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042823

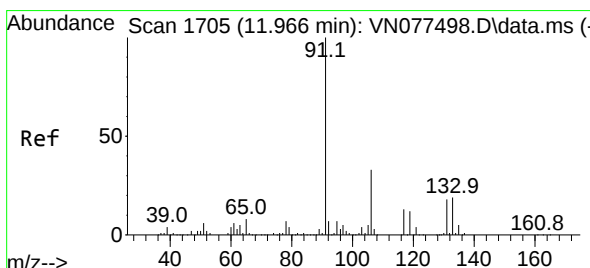
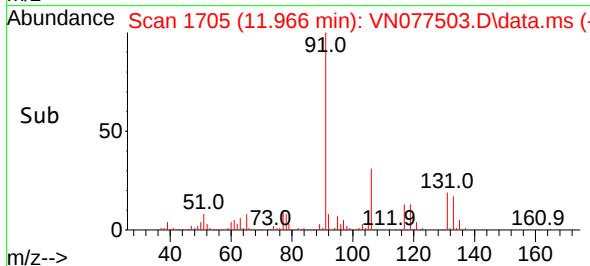
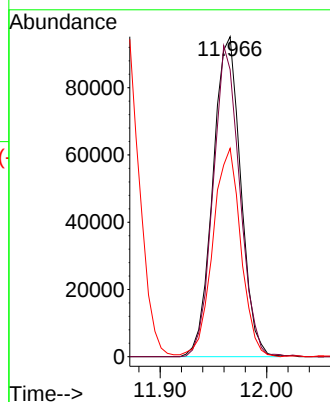
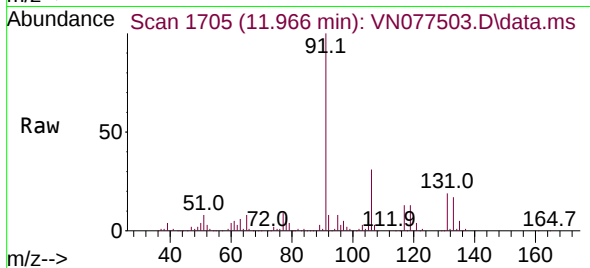
Tgt Ion:131 Resp: 172700
 Ion Ratio Lower Upper
 131 100
 133 92.7 0.0 191.4
 119 65.4 0.0 137.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#66

Ethyl Benzene

Concen: 19.759 ug/l

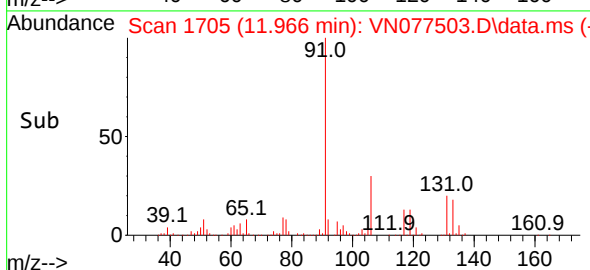
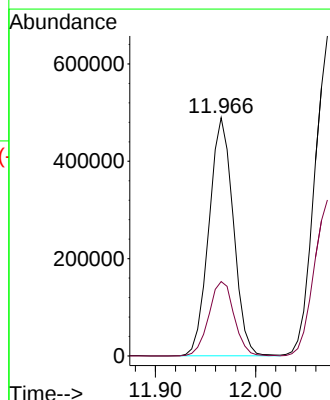
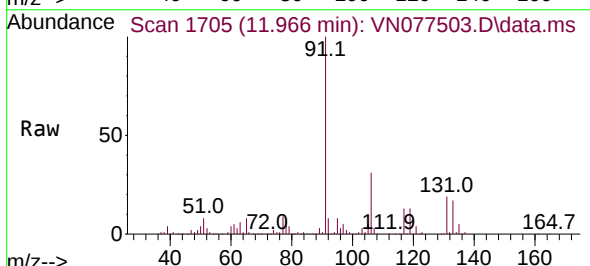
RT: 11.966 min Scan# 1705

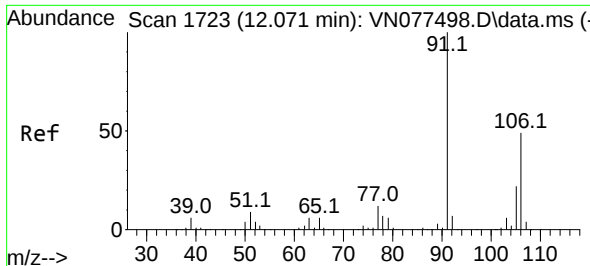
Delta R.T. 0.000 min

Lab File: VN077503.D

Acq: 28 Apr 2023 15:59

Tgt Ion: 91 Resp: 826044
 Ion Ratio Lower Upper
 91 100
 106 31.2 24.9 37.3





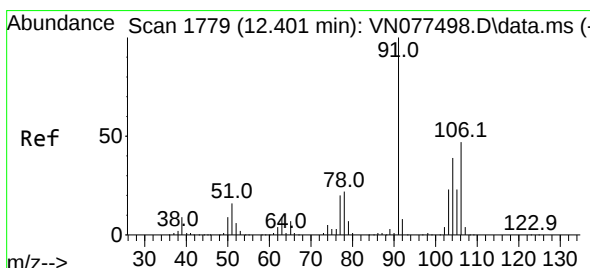
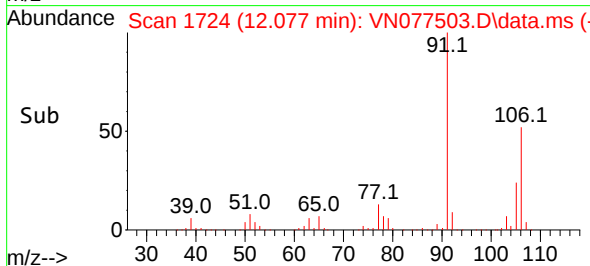
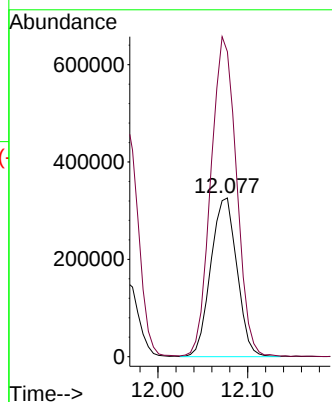
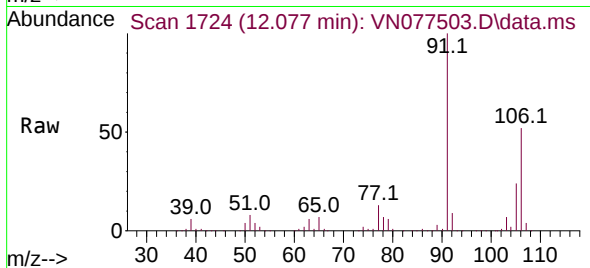
#67
m/p-Xylenes
Concen: 40.651 ug/l
RT: 12.077 min Scan# 1723
Delta R.T. 0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823

Tgt Ion:106 Resp: 66176
Ion Ratio Lower Upper
106 100
91 195.5 157.9 236.9

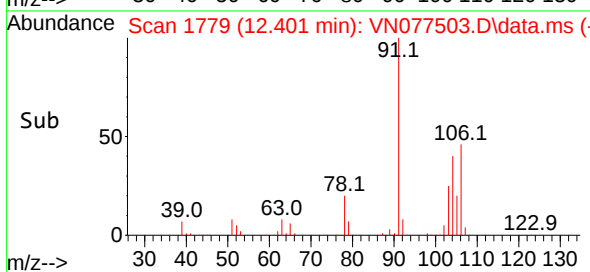
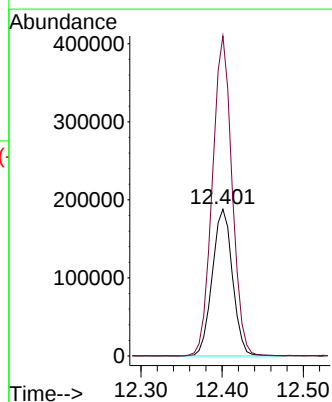
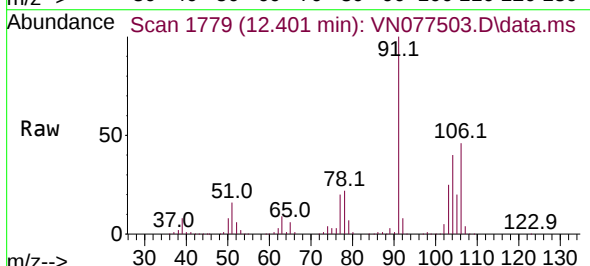
Manual Integrations
APPROVED

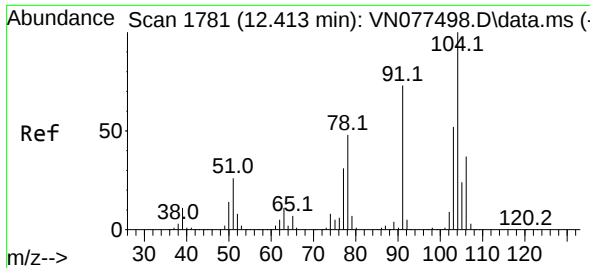
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#68
o-Xylene
Concen: 20.140 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion:106 Resp: 325662
Ion Ratio Lower Upper
106 100
91 212.4 104.6 313.8





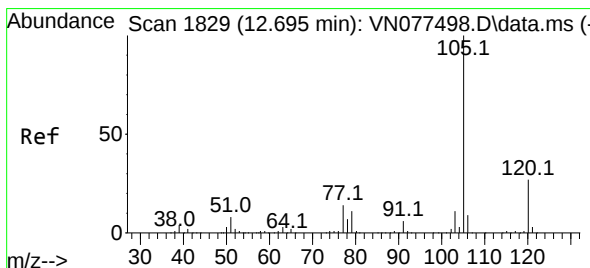
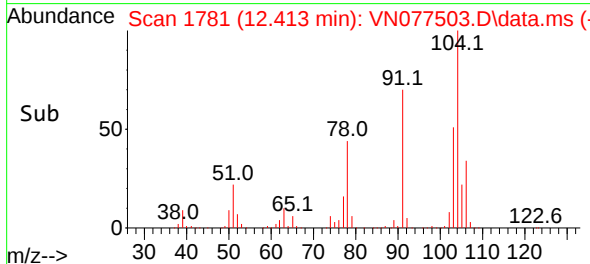
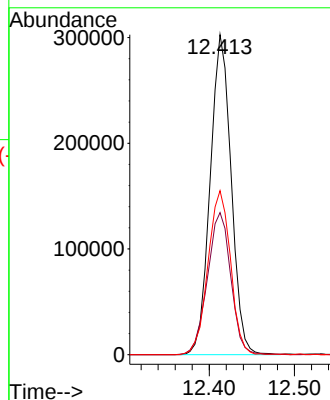
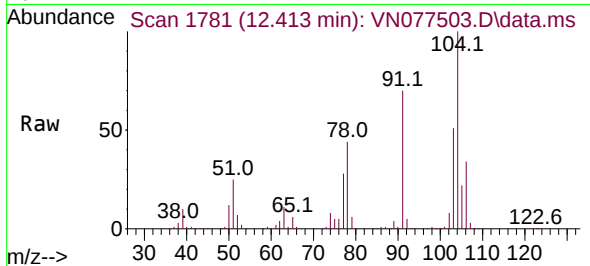
#69
Styrene
Concen: 20.631 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823

Tgt Ion:104 Resp: 51873
Ion Ratio Lower Upper
104 100
78 49.2 39.3 58.9
103 54.8 44.6 66.8

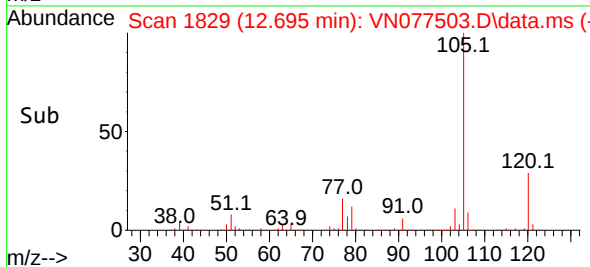
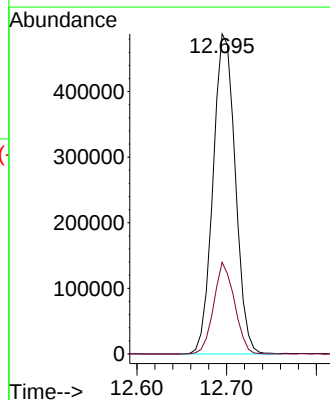
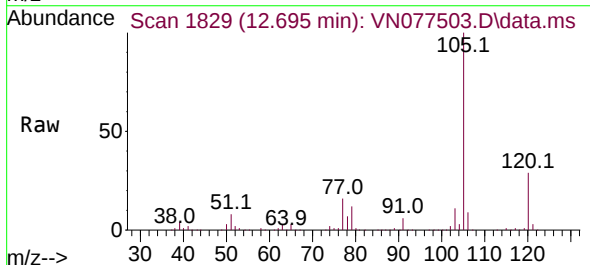
Manual Integrations
APPROVED

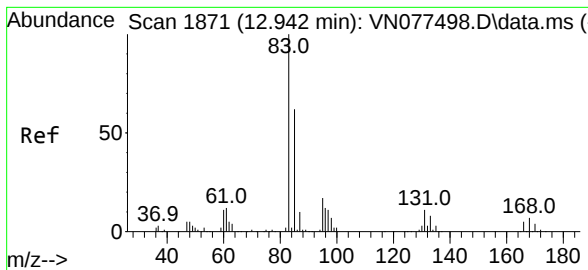
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#70
Isopropylbenzene
Concen: 20.498 ug/l
RT: 12.695 min Scan# 1829
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion:105 Resp: 841343
Ion Ratio Lower Upper
105 100
120 26.7 18.7 34.7





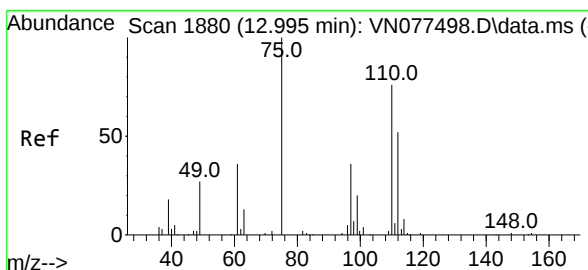
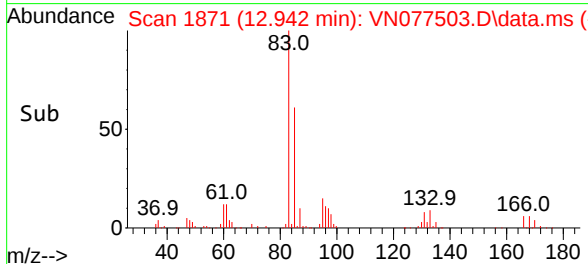
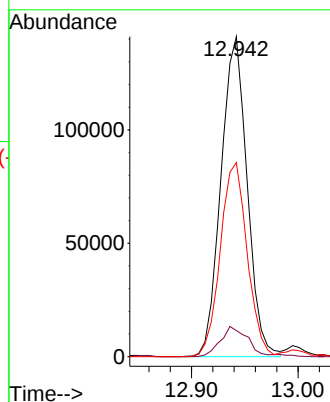
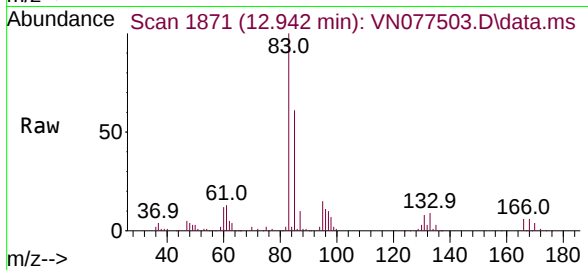
#71
1,1,2,2-Tetrachloroethane
Concen: 19.265 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument : MSVOA_N
ClientSampleId : ICVVN042823

Tgt Ion: 83 Resp: 24087
Ion Ratio Lower Upper
83 100
131 9.7 4.8 14.3
85 62.2 31.6 94.8

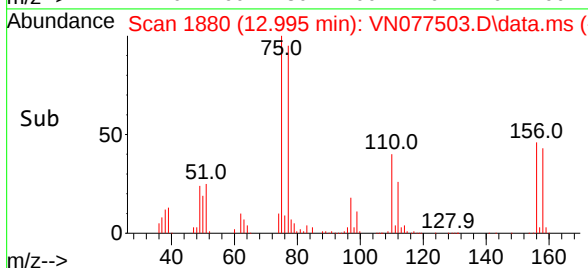
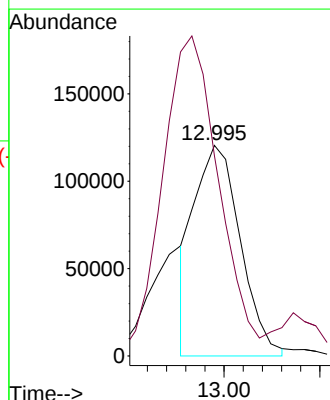
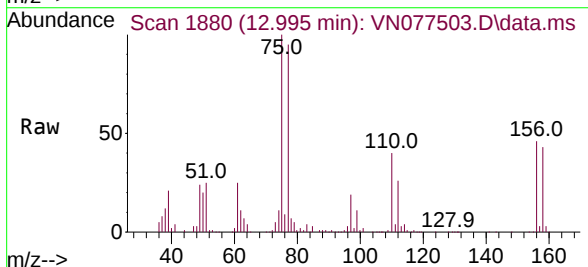
Manual Integrations
APPROVED

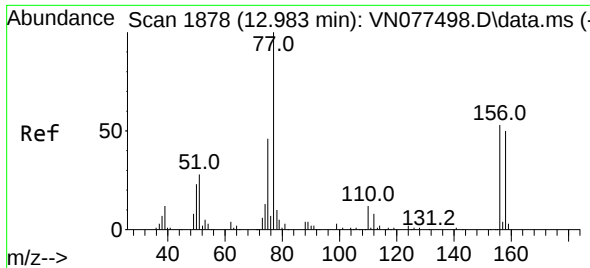
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#72
1,2,3-Trichloropropane
Concen: 18.952 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

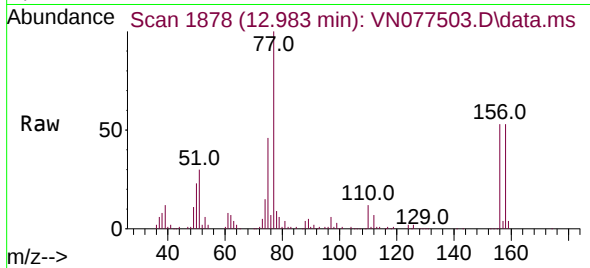
Tgt Ion: 75 Resp: 201566
Ion Ratio Lower Upper
75 100
77 185.3 0.0 367.2





#73
Bromobenzene
Concen: 19.997 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

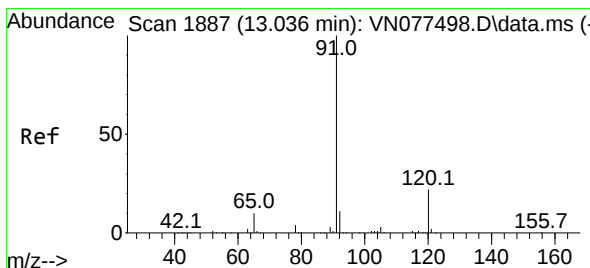
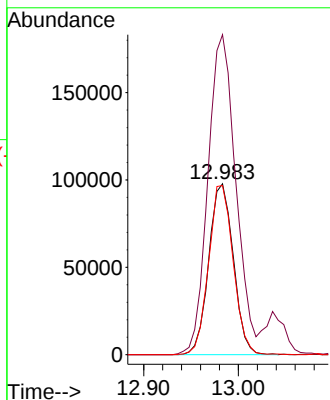
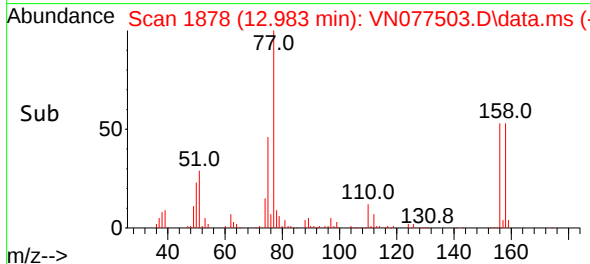
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823



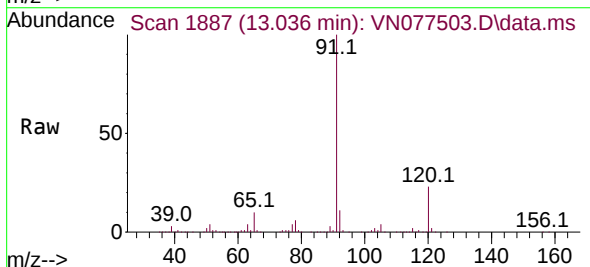
Tgt Ion:156 Resp: 176509
Ion Ratio Lower Upper
156 100
77 211.6 0.0 431.6
158 98.9 0.0 192.4

Manual Integrations
APPROVED

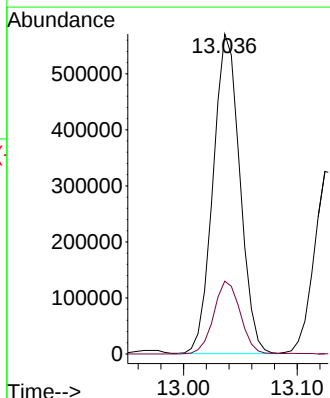
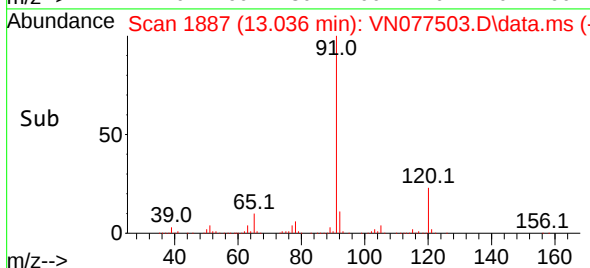
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

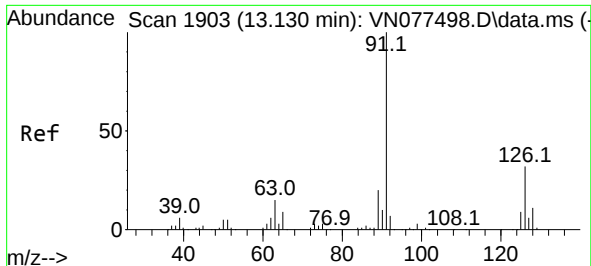


#74
n-propylbenzene
Concen: 20.454 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59



Tgt Ion: 91 Resp: 934217
Ion Ratio Lower Upper
91 100
120 22.6 0.0 46.4





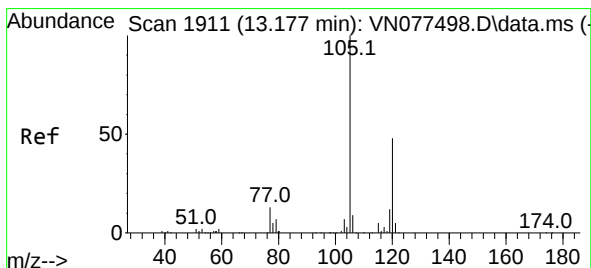
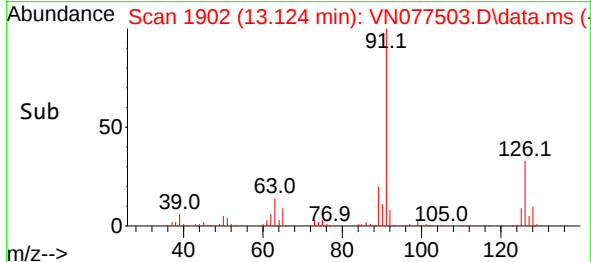
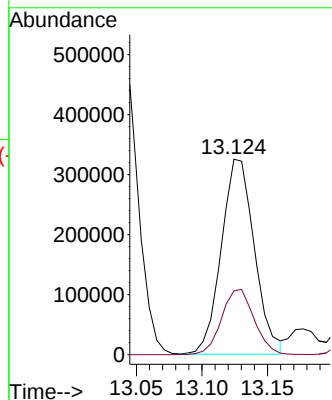
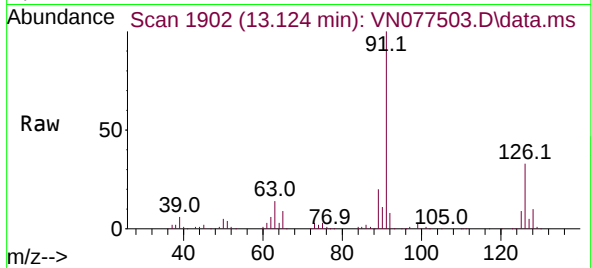
#75
2-Chlorotoluene
Concen: 20.320 ug/l
RT: 13.124 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823

Tgt Ion: 91 Resp: 572459
Ion Ratio Lower Upper
91 100
126 33.0 0.0 65.2

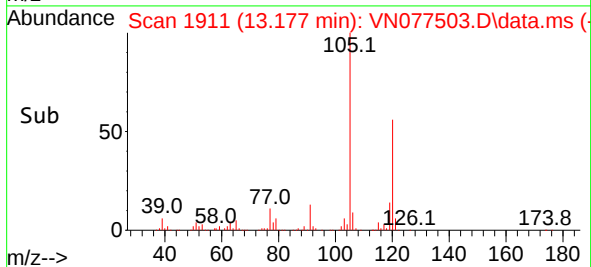
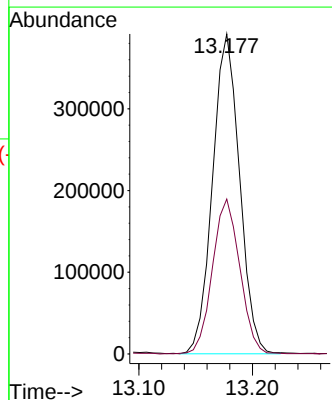
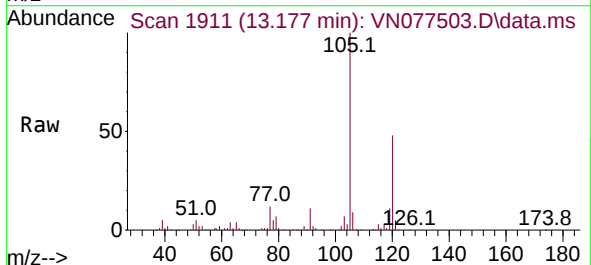
Manual Integrations
APPROVED

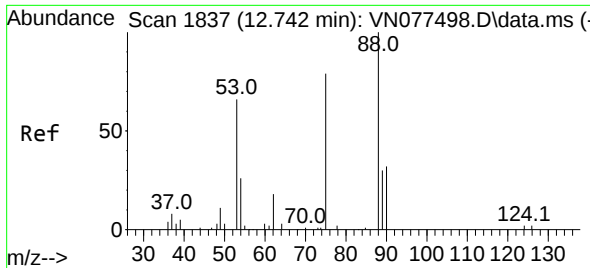
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#76
1,3,5-Trimethylbenzene
Concen: 20.395 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion:105 Resp: 645275
Ion Ratio Lower Upper
105 100
120 49.2 0.0 93.8





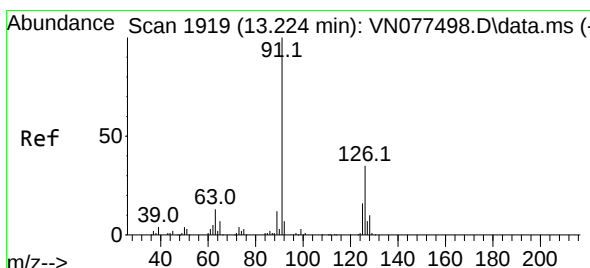
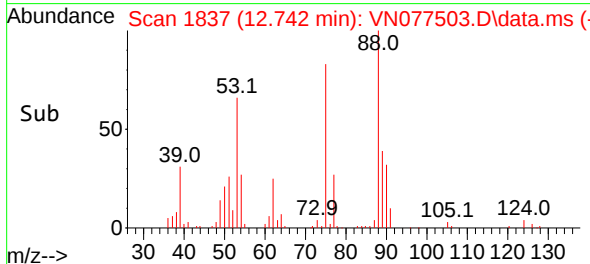
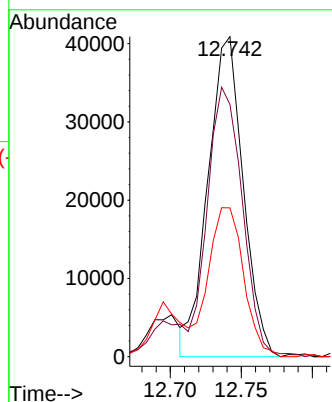
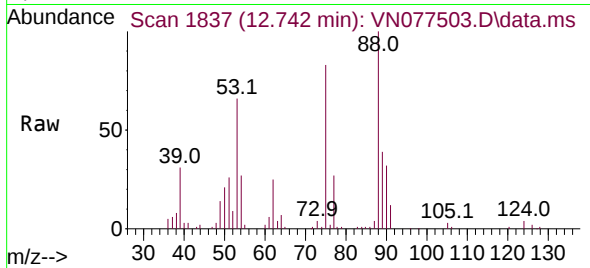
#77
t-1,4-Dichloro-2-butene
Concen: 20.048 ug/l
RT: 12.742 min Scan# 1837
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823

Tgt Ion: 75 Resp: 7042
Ion Ratio Lower Upper
75 100
53 77.8 38.2 114.6
89 46.5 22.1 66.1

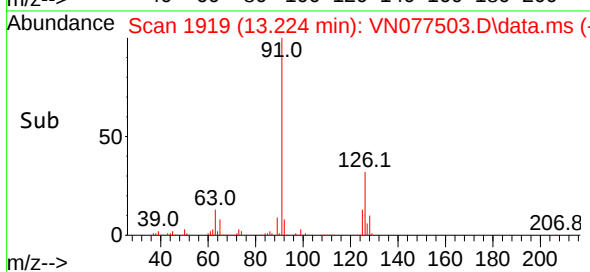
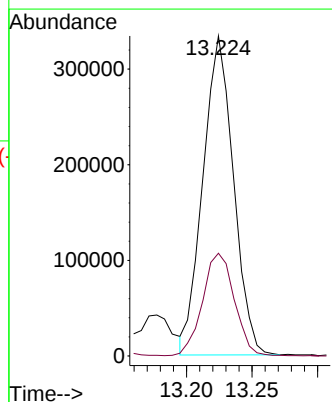
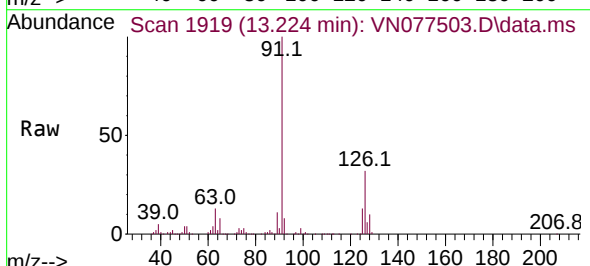
Manual Integrations
APPROVED

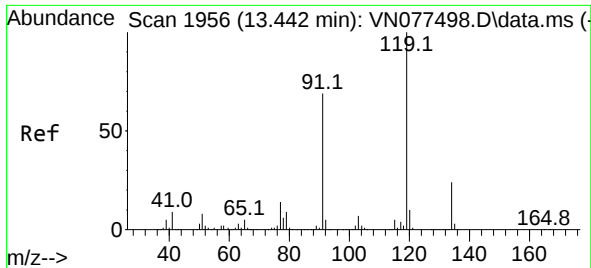
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#78
4-Chlorotoluene
Concen: 20.291 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion: 91 Resp: 541167
Ion Ratio Lower Upper
91 100
126 33.6 0.0 65.6





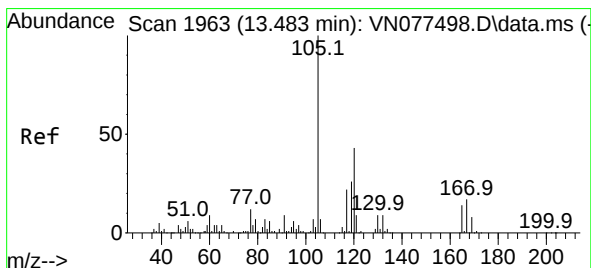
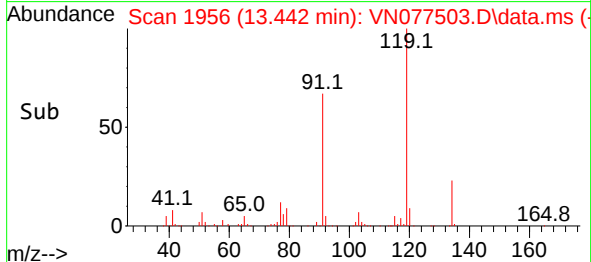
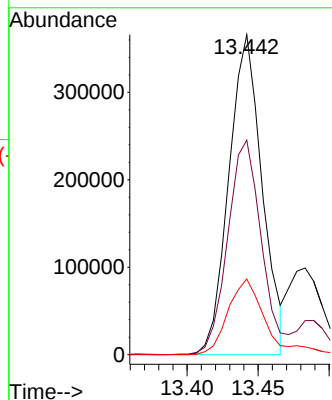
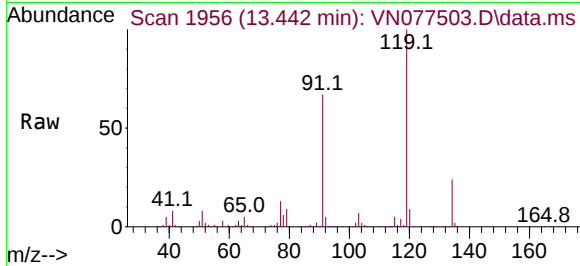
#79
tert-butylbenzene
Concen: 20.370 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823

Tgt Ion:119 Resp: 59619
Ion Ratio Lower Upper
119 100
91 68.1 0.0 139.4
134 24.6 0.0 49.2

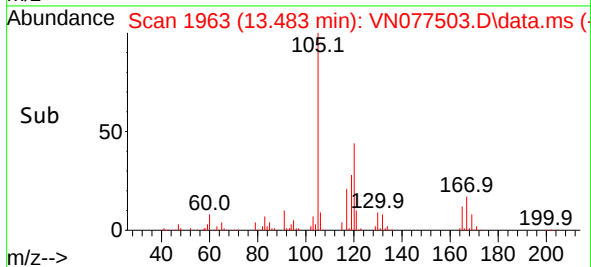
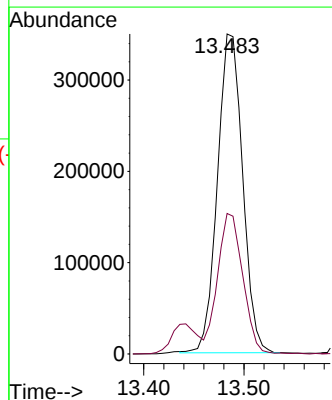
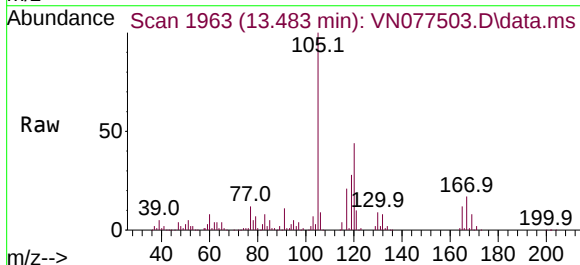
Manual Integrations
APPROVED

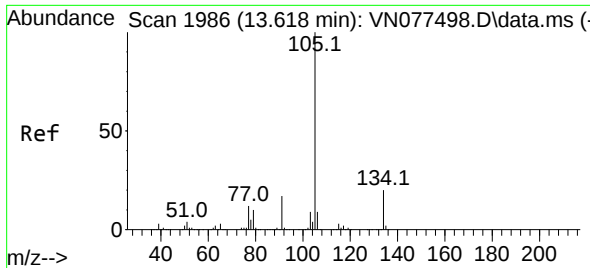
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#80
1,2,4-Trimethylbenzene
Concen: 20.928 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion:105 Resp: 608969
Ion Ratio Lower Upper
105 100
120 43.7 0.0 87.8





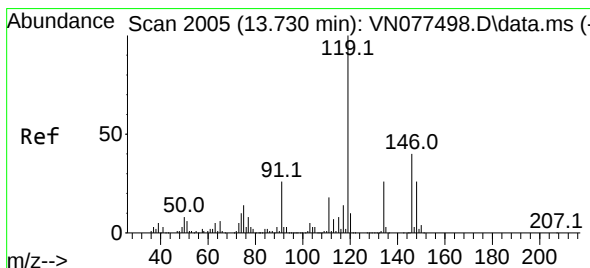
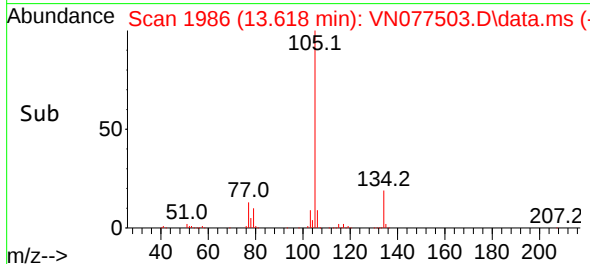
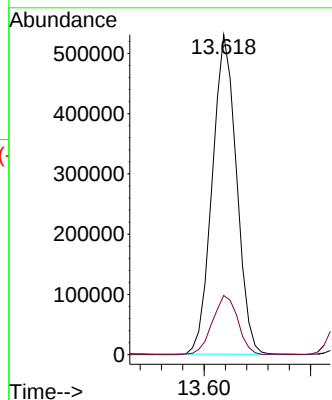
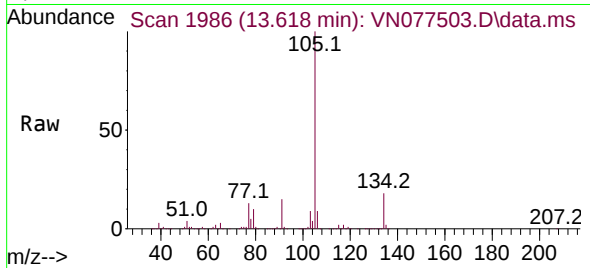
#81
 sec-Butylbenzene
 Concen: 20.513 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN077503.D
 Acq: 28 Apr 2023 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN042823

Tgt Ion:105 Resp: 836970
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 38.4

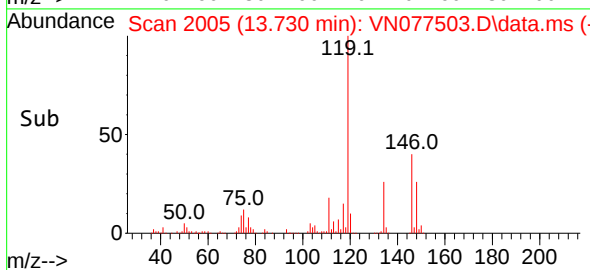
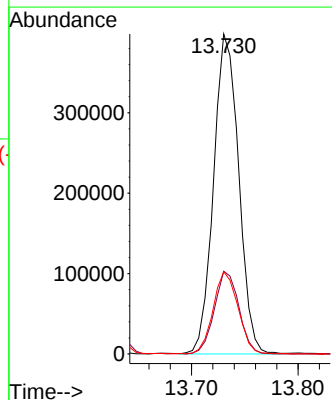
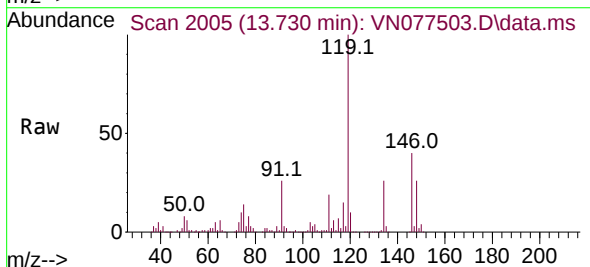
Manual Integrations
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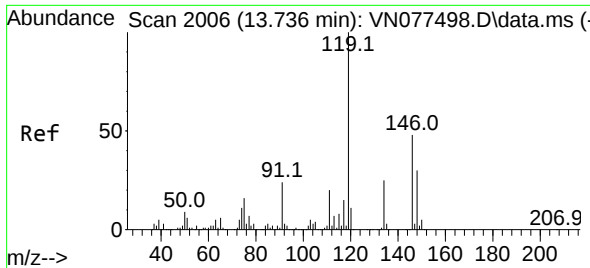
Reviewed By :John Carlone 04/29/2023
 Supervised By :Semsettin Yesilyurt 04/29/2023



#82
 p-Isopropyltoluene
 Concen: 20.389 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN077503.D
 Acq: 28 Apr 2023 15:59

Tgt Ion:119 Resp: 651905
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 52.4
 91 25.4 0.0 50.6





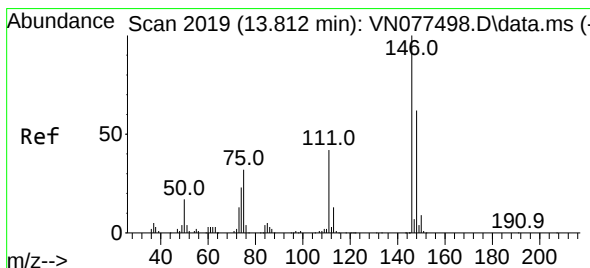
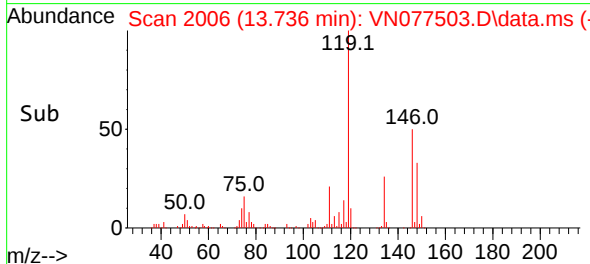
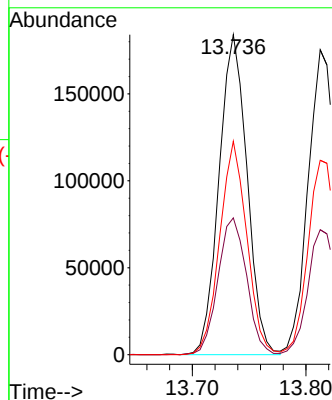
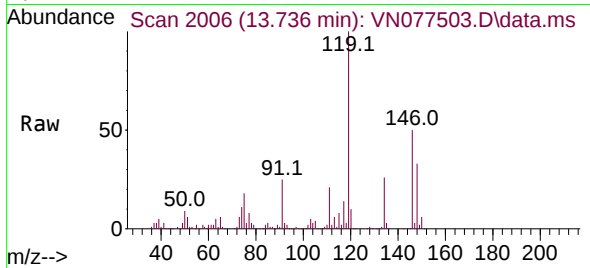
#83
1,3-Dichlorobenzene
Concen: 20.455 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823

Tgt Ion:146 Resp: 31585
Ion Ratio Lower Upper
146 100
111 43.7 22.1 66.5
148 64.5 31.8 95.4

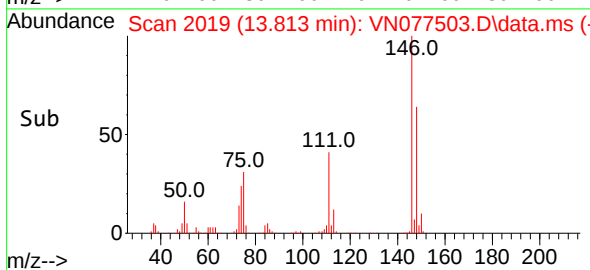
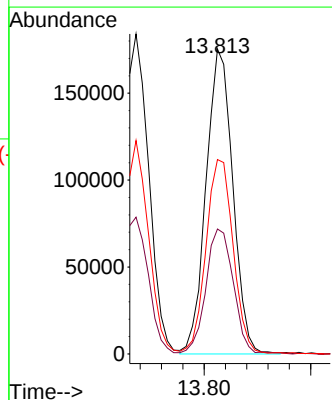
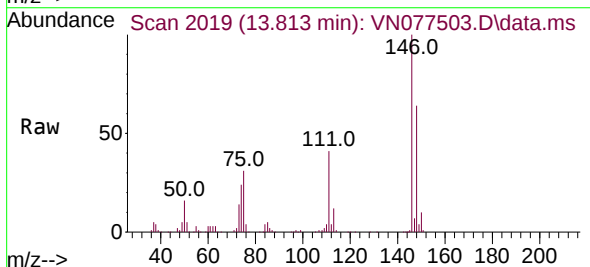
Manual Integrations
APPROVED

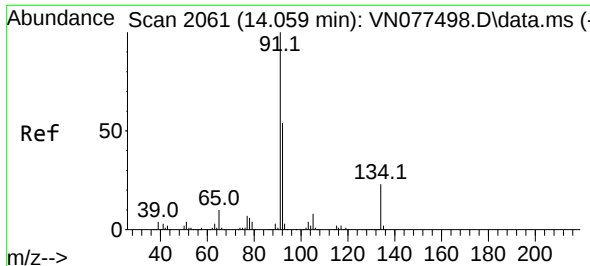
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#84
1,4-Dichlorobenzene
Concen: 20.052 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion:146 Resp: 305939
Ion Ratio Lower Upper
146 100
111 41.7 20.9 62.7
148 64.8 31.6 94.7





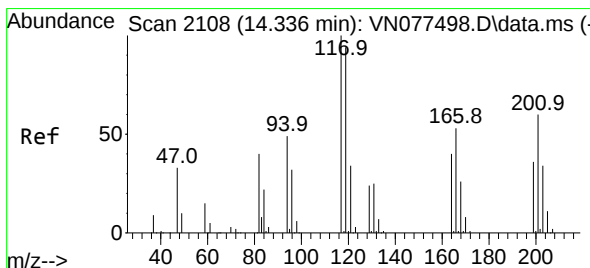
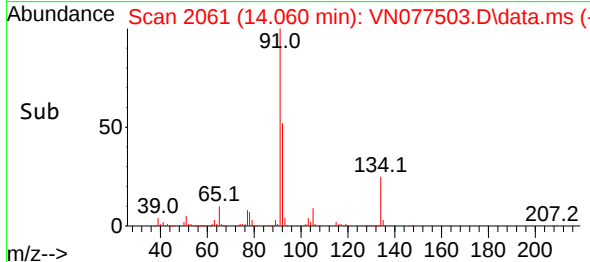
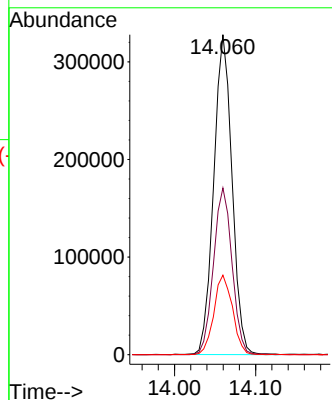
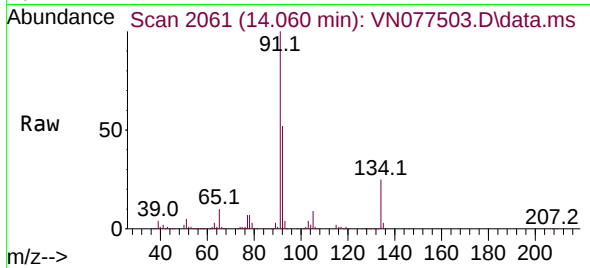
#85
n-Butylbenzene
Concen: 20.768 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823

Tgt Ion: 91 Resp: 513134
Ion Ratio Lower Upper
91 100
92 52.7 0.0 108.4
134 25.4 0.0 50.0

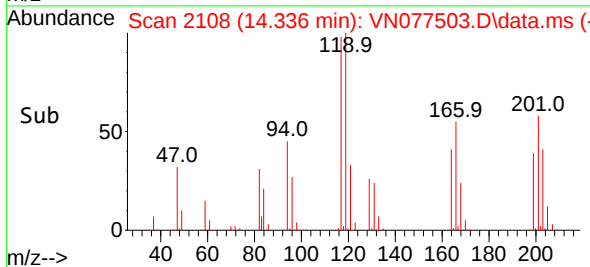
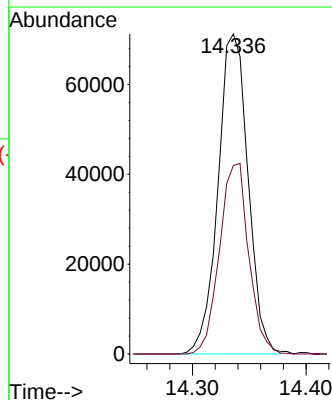
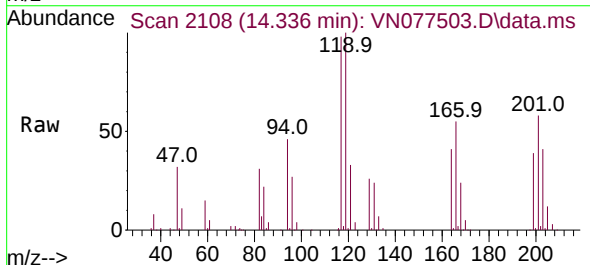
Manual Integrations
APPROVED

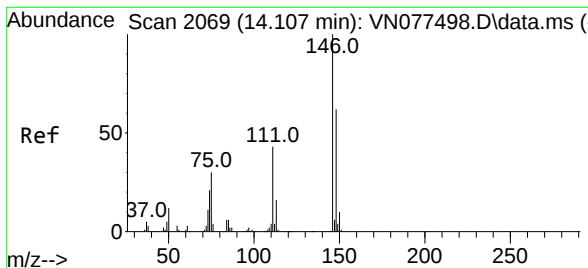
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#86
Hexachloroethane
Concen: 20.179 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion:117 Resp: 130701
Ion Ratio Lower Upper
117 100
201 58.0 27.4 82.2





#87

1,2-Dichlorobenzene

Concen: 19.898 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. 0.000 min

Lab File: VN077503.D

Acq: 28 Apr 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042823

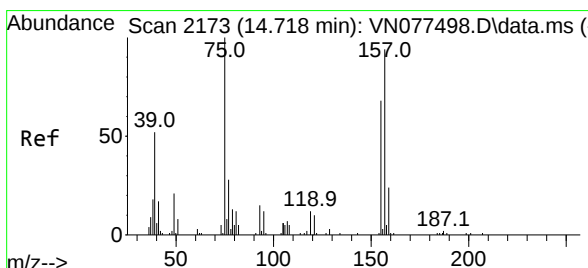
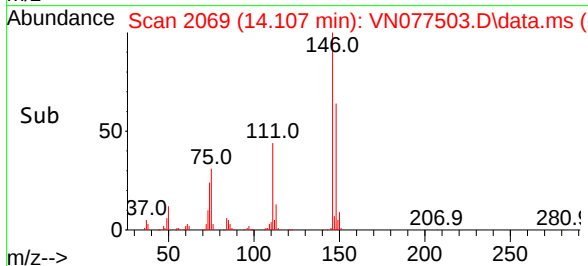
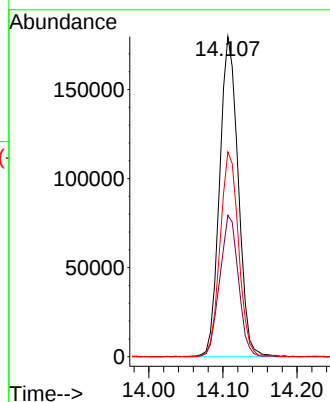
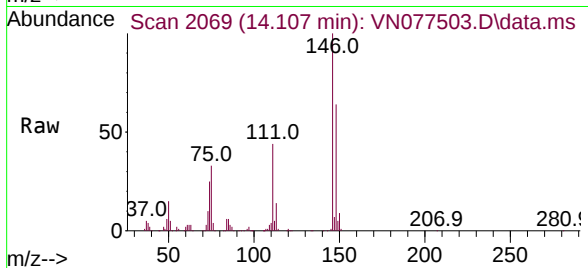
Tgt Ion:146 Resp: 31258
 Ion Ratio Lower Upper
 146 100
 111 44.2 22.3 66.9
 148 63.6 32.4 97.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.245 ug/l

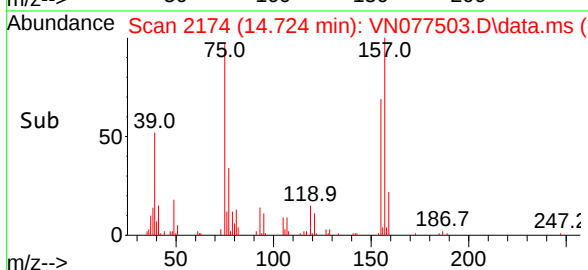
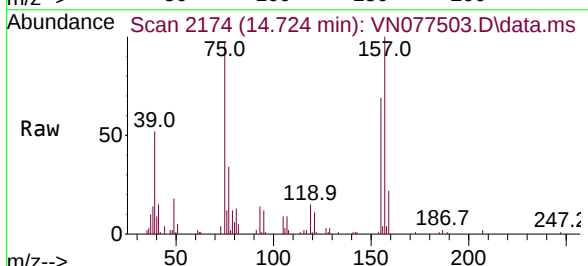
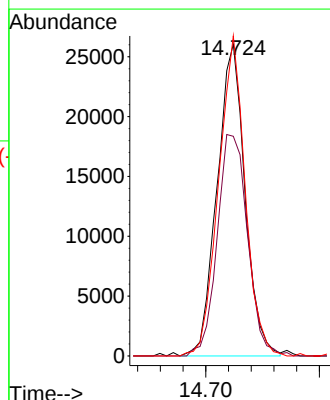
RT: 14.724 min Scan# 2174

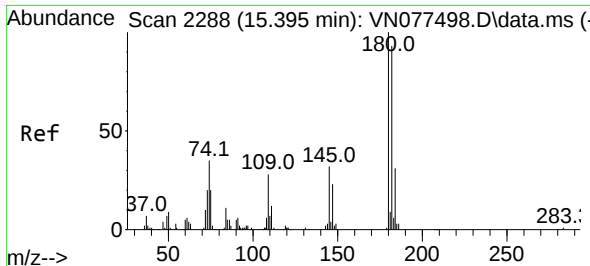
Delta R.T. 0.006 min

Lab File: VN077503.D

Acq: 28 Apr 2023 15:59

Tgt Ion: 75 Resp: 44478
 Ion Ratio Lower Upper
 75 100
 155 77.0 63.0 94.4
 157 97.5 79.5 119.3





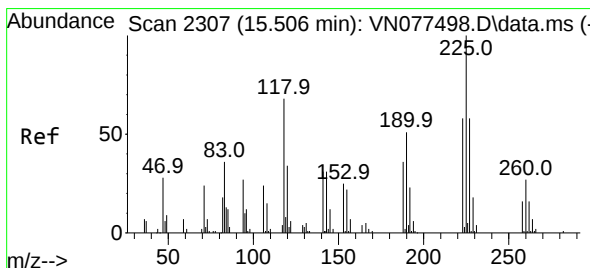
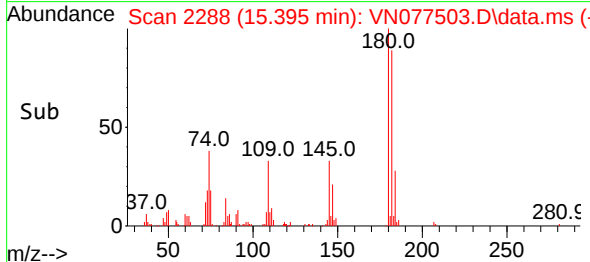
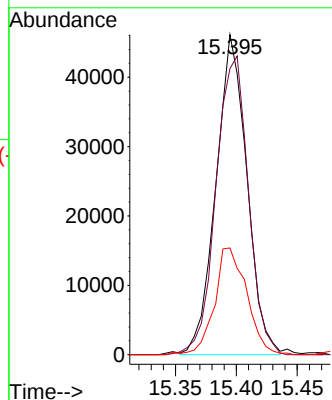
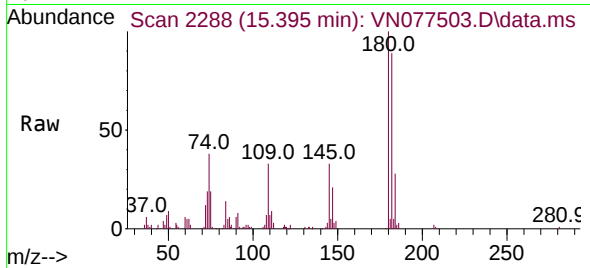
#89
1,2,4-Trichlorobenzene
Concen: 19.765 ug/l
RT: 15.395 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042823

Tgt Ion:180 Resp: 81494
Ion Ratio Lower Upper
180 100
182 97.6 78.7 118.1
145 34.6 28.8 43.2

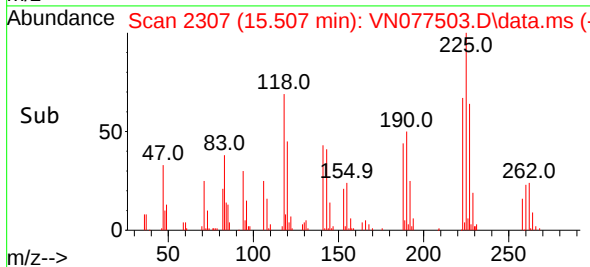
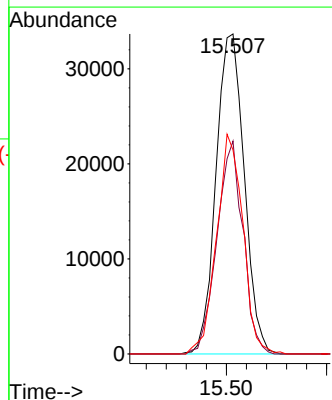
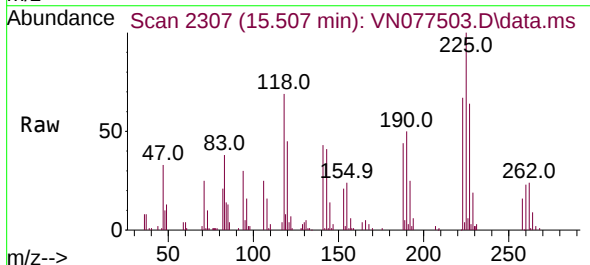
Manual Integrations
APPROVED

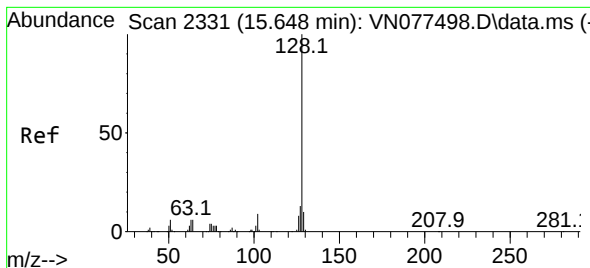
Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023



#90
Hexachlorobutadiene
Concen: 19.632 ug/l
RT: 15.507 min Scan# 2307
Delta R.T. 0.000 min
Lab File: VN077503.D
Acq: 28 Apr 2023 15:59

Tgt Ion:225 Resp: 65835
Ion Ratio Lower Upper
225 100
223 61.4 0.0 124.2
227 64.1 0.0 119.2





#91

Naphthalene

Concen: 21.677 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN077503.D

Acq: 28 Apr 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042823

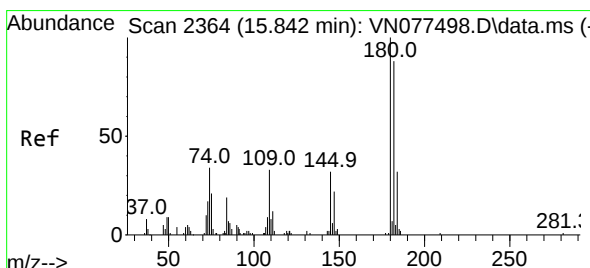
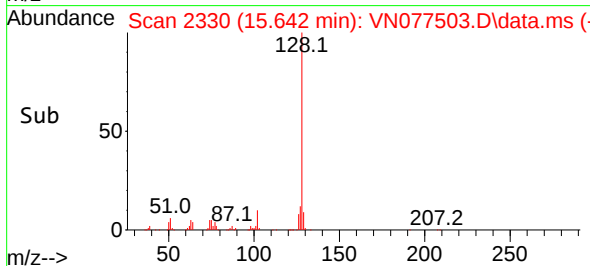
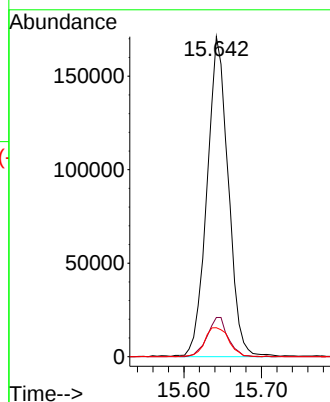
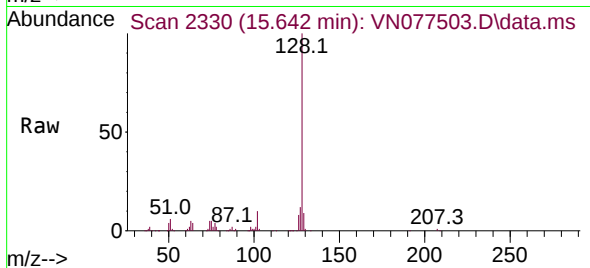
Tgt Ion:128	Resp: 32628
Ion Ratio	Lower Upper
128 100	
127 11.9	10.4 15.6
129 10.4	8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/29/2023

Supervised By :Semsettin Yesilyurt 04/29/2023



#92

1,2,3-Trichlorobenzene

Concen: 21.580 ug/l

RT: 15.848 min Scan# 2365

Delta R.T. 0.006 min

Lab File: VN077503.D

Acq: 28 Apr 2023 15:59

Tgt Ion:180	Resp: 83250
Ion Ratio	Lower Upper
180 100	
182 97.4	0.0 198.0
145 35.7	0.0 80.2

