

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
 Data File : VN079633.D
 Acq On : 20 Oct 2023 17:57
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/23/2023
 Supervised By : Semsettin Yesilyurt 10/24/2023

Quant Time: Oct 20 23:51:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	20478	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	143166	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	176696	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	84768	29.115	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.033%		
60) 4-Bromofluorobenzene	12.853	95	96251	29.787	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.300%		
63) Toluene-d8	10.571	98	226551	29.921	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.733%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	56280	18.951	ug/l	94
3) Chloromethane	2.365	50	68798	17.874	ug/l	95
4) Vinyl Chloride	2.518	62	78111	18.804	ug/l	99
5) Bromomethane	2.959	94	43418	16.857	ug/l	94
6) Chloroethane	3.124	64	54204	18.539	ug/l	95
7) Trichlorofluoromethane	3.501	101	97488	19.232	ug/l	97
8) Diethyl Ether	3.965	74	32584	17.736	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.383	101	56209	19.382	ug/l	98
10) 1,1-Dichloroethene	4.348	96	51309	18.595	ug/l	94
11) Methyl Iodide	4.595	142	59346	19.426	ug/l	93
12) Methyl Acetate	5.030	43	125956	18.936	ug/l	96
13) Acrolein	4.177	56	47856	87.034	ug/l	99
14) Acrylonitrile	5.724	53	149669	93.958	ug/l	98
15) Acetone	4.436	58	42339	83.904	ug/l	86
16) Carbon Disulfide	4.718	76	146419	17.402	ug/l	97
17) Allyl chloride	5.024	41	77901	18.312	ug/l	92
18) Methylene Chloride	5.277	84	66537	19.591	ug/l	92
19) trans-1,2-Dichloroethene	5.789	96	58849	19.064	ug/l	93
20) Diisopropyl ether	6.671	45	196703	19.500	ug/l #	98
21) 1,1-Dichloroethane	6.577	63	119921	19.564	ug/l	99
22) cis-1,2-Dichloroethene	7.494	96	68780	19.345	ug/l	95
23) tert-Butyl Alcohol	5.524	59	37092	69.635	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	169895	18.351	ug/l #	79
25) Chloroform	7.971	83	122816	19.829	ug/l	90
26) Cyclohexane	8.265	56	83613	18.045	ug/l #	99
29) 1,1-Dichloropropene	8.377	75	85010	20.319	ug/l	99
30) 2-Butanone	7.489	43	200381	95.548	ug/l	100
31) 2,2-Dichloropropane	7.494	77	90531	19.191	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	102134	20.539	ug/l	99
33) Carbon Tetrachloride	8.365	117	87073	20.588	ug/l	96
34) Benzene	8.612	78	267340	21.031	ug/l	99
35) Methacrylonitrile	7.789	41	43586	19.757	ug/l	96
36) 1,2-Dichloroethane	8.677	62	98512	21.705	ug/l	100
37) Trichloroethene	9.353	130	60480	20.355	ug/l	96
38) Methylcyclohexane	9.606	83	73809	18.323	ug/l	98
39) 1,2-Dichloropropane	9.624	63	70426	20.994	ug/l	95
40) Dibromomethane	9.712	93	48193	21.891	ug/l	96
41) Bromodichloromethane	9.894	83	97136	21.291	ug/l	97
42) Vinyl Acetate	6.606	43	526078	98.888	ug/l	99

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 Data File : VN079633.D
 Acq On : 20 Oct 2023 17:57
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/23/2023
 Supervised By : Semsettin Yesilyurt 10/24/2023

Quant Time: Oct 20 23:51:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	85647	21.718	ug/l	97
44) Isopropyl Acetate	8.688	43	132143	18.850	ug/l	97
45) 1,4-Dioxane	9.700	88	19444	354.340	ug/l	96
46) Methyl methacrylate	9.688	41	61602	19.808	ug/l	97
47) n-amyl Acetate	12.500	43	98529	19.475	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	91094	19.751	ug/l	99
49) cis-1,3-Dichloropropene	10.318	75	102732	20.370	ug/l	97
50) 1,1,2-Trichloroethane	11.024	97	65433	21.425	ug/l	97
51) Ethyl methacrylate	10.877	69	82793	19.649	ug/l	95
52) 1,3-Dichloropropane	11.165	76	114383	21.141	ug/l	99
53) Dibromochloromethane	11.365	129	65923	21.120	ug/l	96
54) 1,2-Dibromoethane	11.471	107	61740	20.491	ug/l	96
55) 2-Chloroethyl vinyl ether	10.165	63	168098	104.562	ug/l	98
56) Bromoform	12.582	173	42790	20.723	ug/l	97
58) 4-Methyl-2-Pentanone	10.447	43	422025	102.399	ug/l	99
59) 2-Hexanone	11.200	43	293578	97.097	ug/l	99
61) Tetrachloroethene	11.106	164	49198	20.279	ug/l	95
62) Toluene	10.635	91	280754	20.790	ug/l	99
64) Chlorobenzene	11.894	112	157525	20.113	ug/l	93
65) 1,1,1,2-Tetrachloroethane	11.965	131	62251	20.865	ug/l	98
66) Ethyl Benzene	11.971	91	275517	19.802	ug/l	100
67) m/p-Xylenes	12.076	106	210922	40.986	ug/l	94
68) o-Xylene	12.400	106	99710	20.267	ug/l	100
69) Styrene	12.418	104	164570	21.071	ug/l	99
70) Isopropylbenzene	12.700	105	253037	20.042	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	94613	21.075	ug/l	98
72) 1,2,3-Trichloropropane	13.000	75	81451m	19.979	ug/l	
73) Bromobenzene	12.982	156	60515	20.404	ug/l	98
74) n-propylbenzene	13.041	91	295336	20.093	ug/l	99
75) 2-Chlorotoluene	13.129	91	182975	20.023	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	213913	20.726	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	23871	19.185	ug/l	96
78) 4-Chlorotoluene	13.223	91	174255	20.183	ug/l	100
79) tert-butylbenzene	13.441	119	166898	20.112	ug/l	98
80) 1,2,4-Trimethylbenzene	13.488	105	209646	20.963	ug/l	98
81) sec-Butylbenzene	13.623	105	238775	20.496	ug/l	100
82) p-Isopropyltoluene	13.735	119	183665	19.875	ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	104436	21.414	ug/l	95
84) 1,4-Dichlorobenzene	13.818	146	94168	20.141	ug/l	98
85) n-Butylbenzene	14.059	91	133075	18.431	ug/l	100
86) Hexachloroethane	14.335	117	40095	20.070	ug/l	98
87) 1,2-Dichlorobenzene	14.112	146	99406	20.506	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	13757	20.111	ug/l	98
89) 1,2,4-Trichlorobenzene	15.847	180	27758	16.246	ug/l	98
90) Hexachlorobutadiene	15.500	225	23531	19.443	ug/l	98
91) Naphthalene	15.641	128	58449	13.261	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	27758	16.246	ug/l	98

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

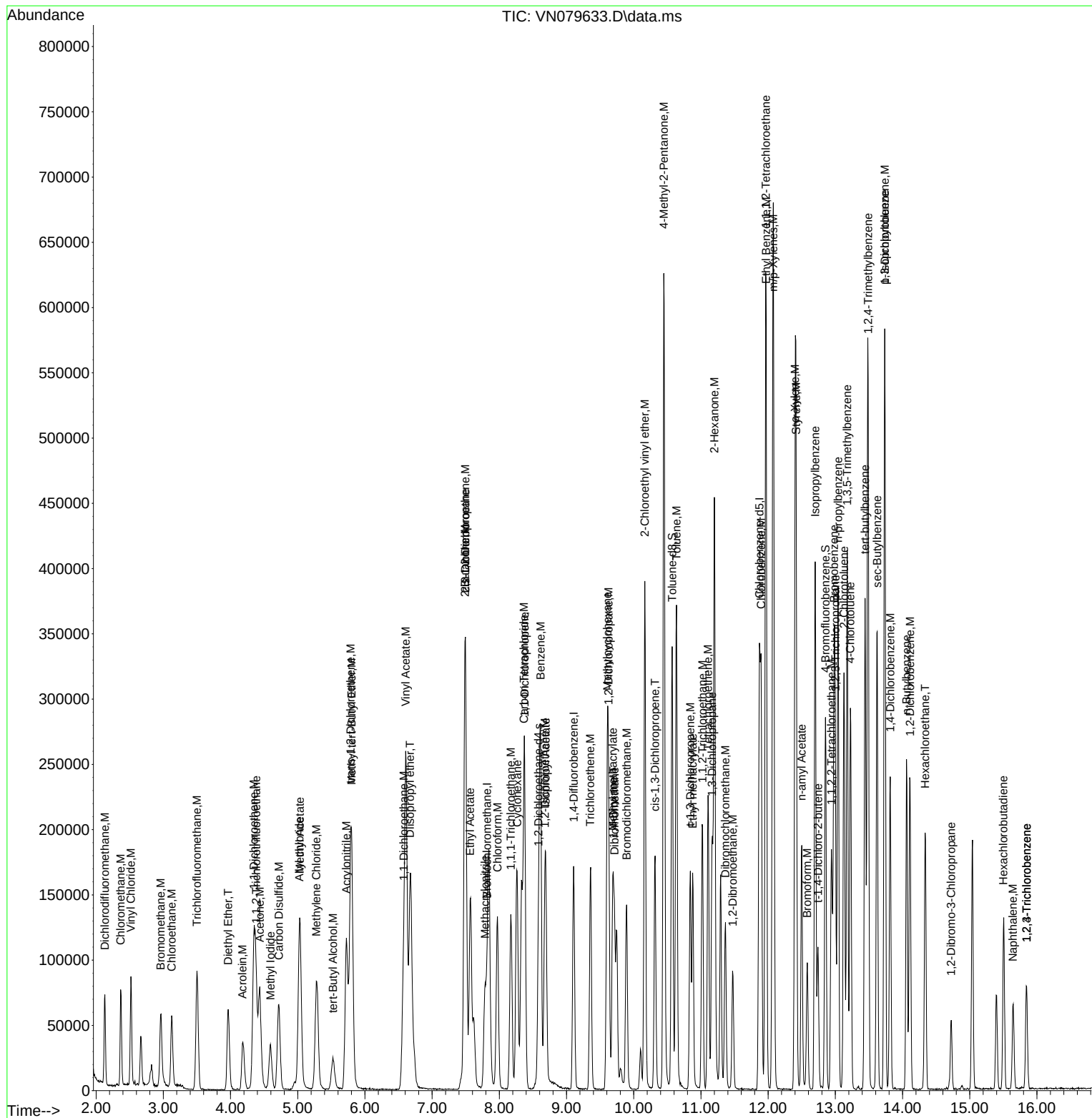
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
Data File : VN079633.D
Acq On : 20 Oct 2023 17:57
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

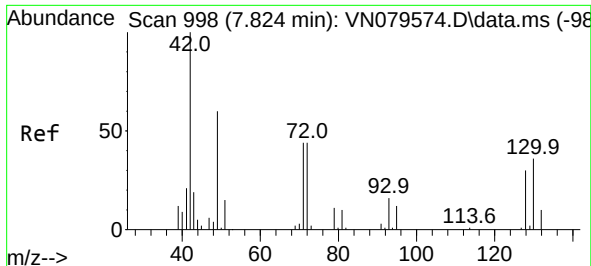
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Quant Time: Oct 20 23:51:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration

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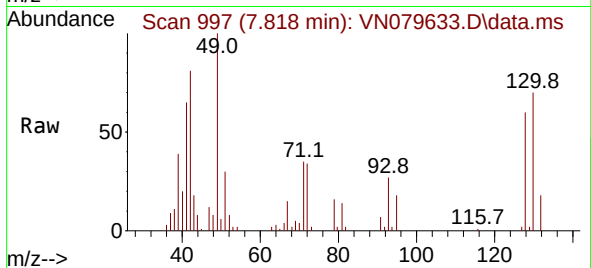
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

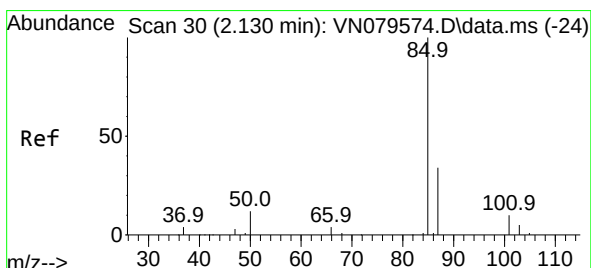
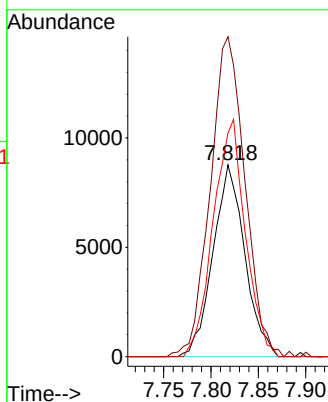
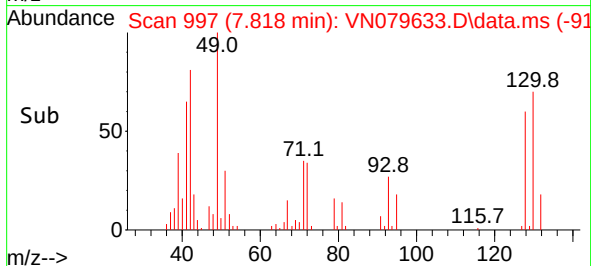
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 20478
Ion Ratio Lower Upper
128 100
49 181.6 0.0 468.5
130 125.1 0.0 320.7

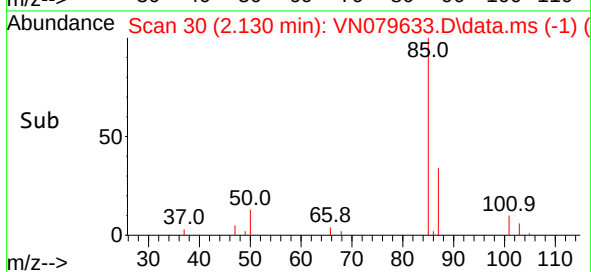
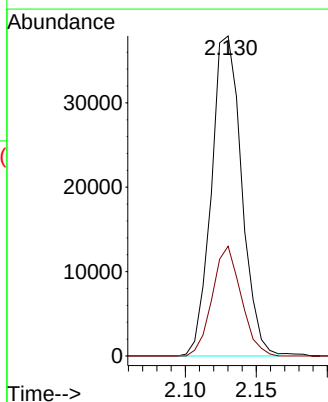
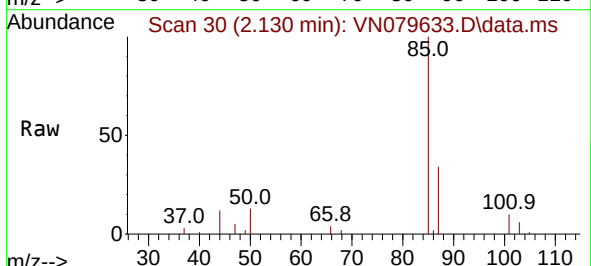
Manual Integrations
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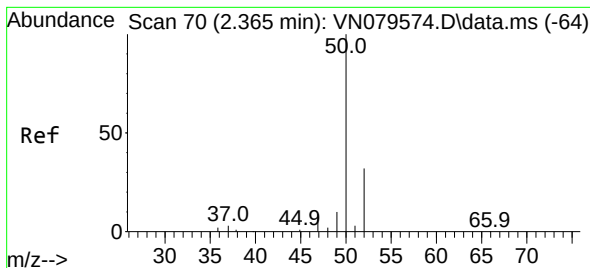
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#2
Dichlorodifluoromethane
Concen: 18.951 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Tgt Ion: 85 Resp: 56280
Ion Ratio Lower Upper
85 100
87 34.3 15.6 46.7





#3

Chloromethane

Concen: 17.874 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 50 Resp: 68798

Ion Ratio Lower Upper

50 100

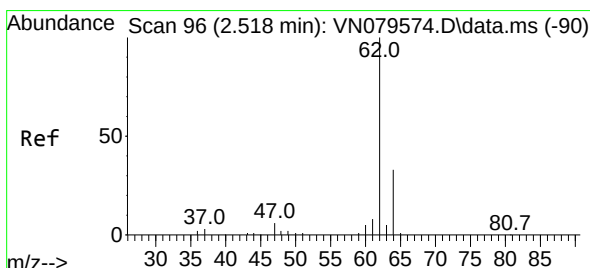
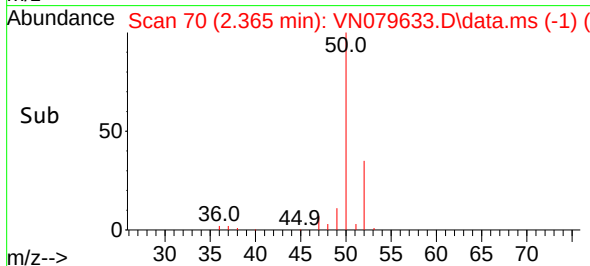
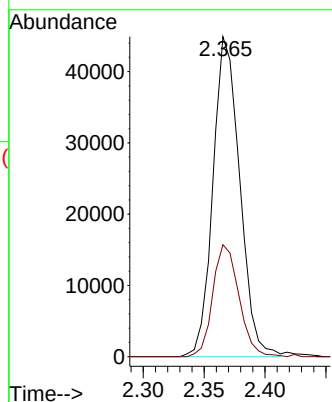
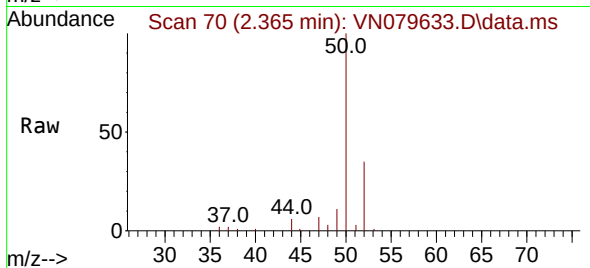
52 35.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#4

Vinyl Chloride

Concen: 18.804 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.000 min

Lab File: VN079633.D

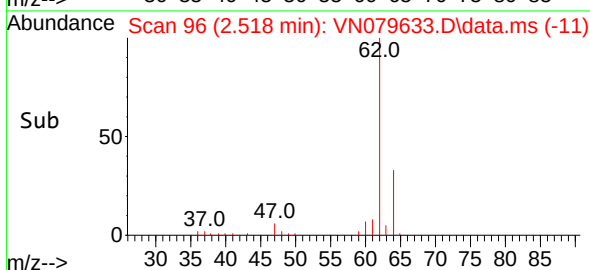
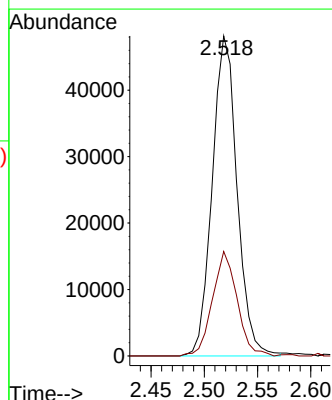
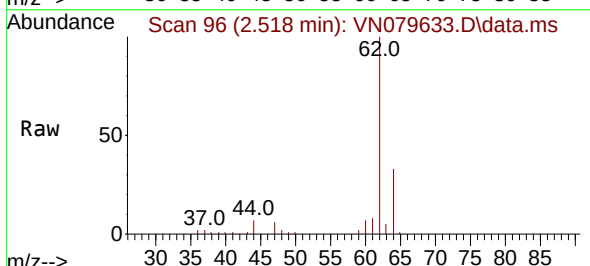
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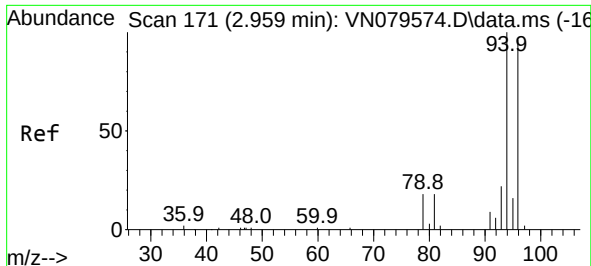
Tgt Ion: 62 Resp: 78111

Ion Ratio Lower Upper

62 100

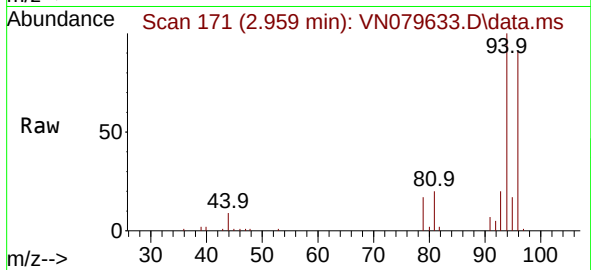
64 32.6 26.4 39.6





#5
Bromomethane
Concen: 16.857 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

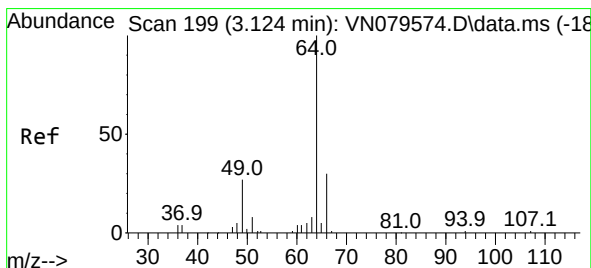
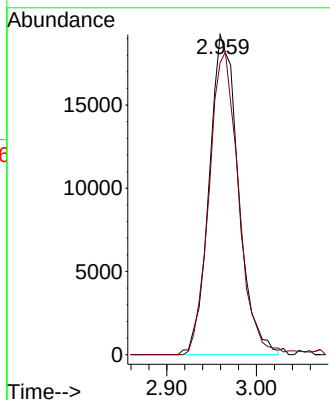
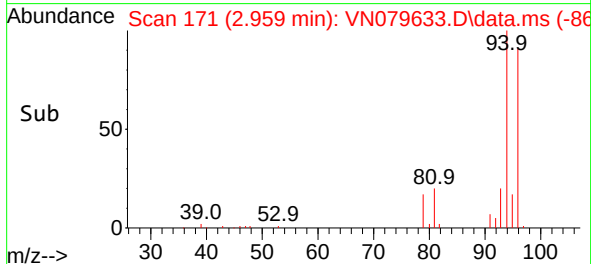
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 94 Resp: 43418
Ion Ratio Lower Upper
94 100
96 91.3 77.8 116.6

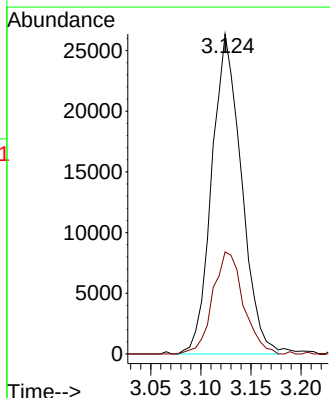
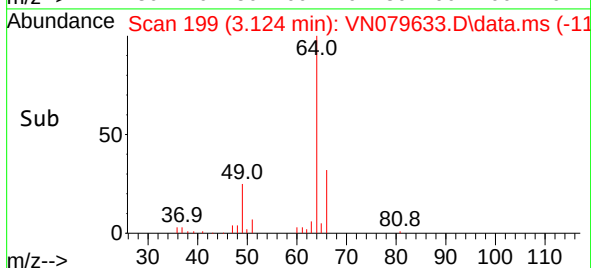
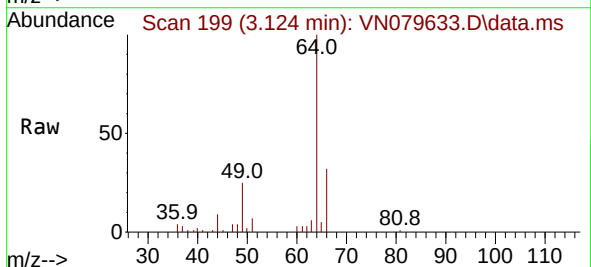
Manual Integrations
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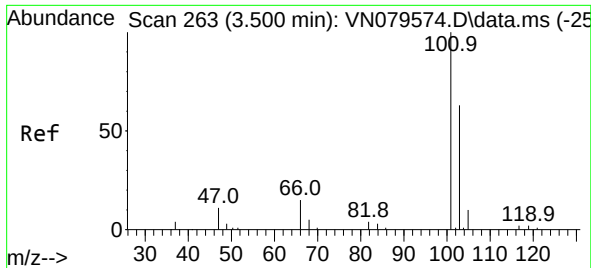
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#6
Chloroethane
Concen: 18.539 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

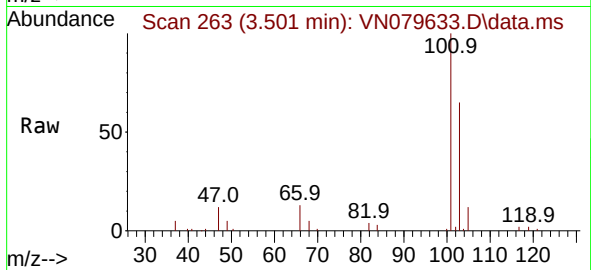
Tgt Ion: 64 Resp: 54204
Ion Ratio Lower Upper
64 100
66 31.9 23.3 34.9





#7
 Trichlorofluoromethane
 Concen: 19.232 ug/l
 RT: 3.501 min Scan# 263
 Delta R.T. 0.000 min
 Lab File: VN079633.D
 Acq: 20 Oct 2023 17:57

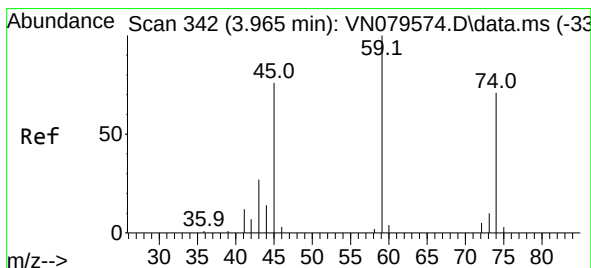
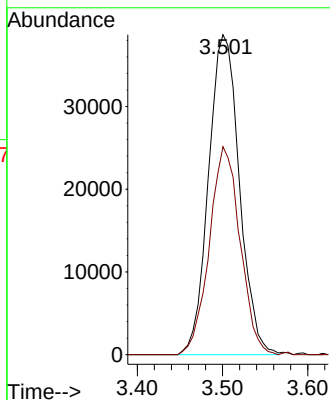
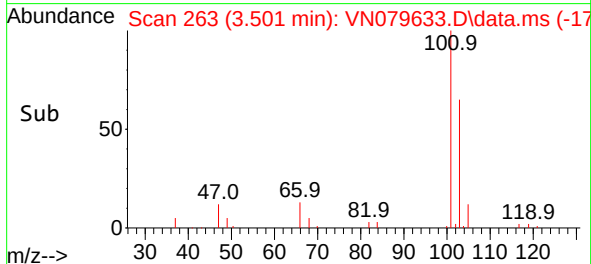
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion:101 Resp: 97488
 Ion Ratio Lower Upper
 101 100
 103 65.0 49.9 74.9

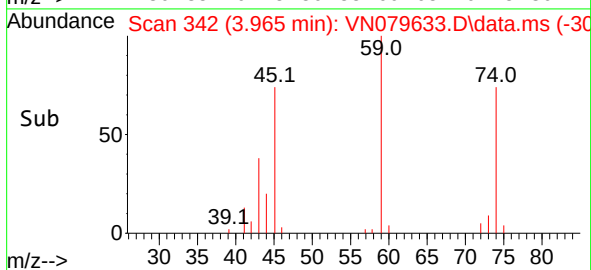
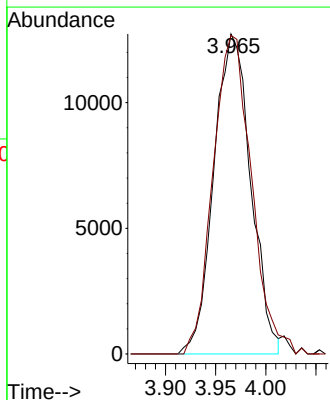
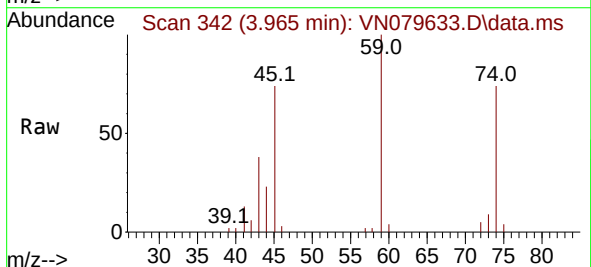
Manual Integrations
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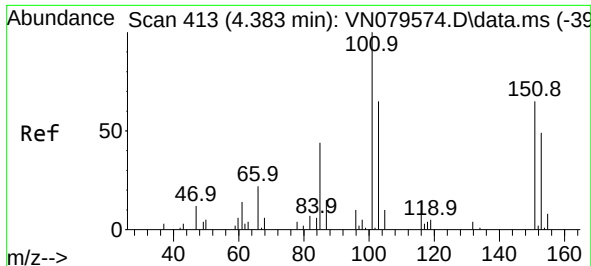
Reviewed By :John Carlone 10/23/2023
 Supervised By :Semsettin Yesilyurt 10/24/2023



#8
 Diethyl Ether
 Concen: 17.736 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN079633.D
 Acq: 20 Oct 2023 17:57

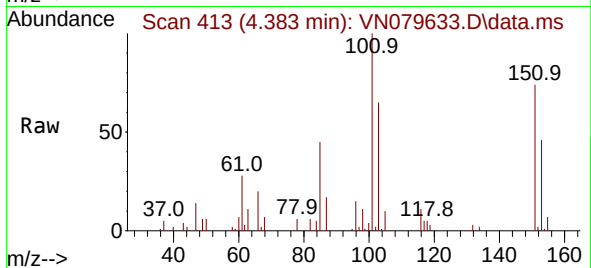
Tgt Ion: 74 Resp: 32584
 Ion Ratio Lower Upper
 74 100
 45 103.5 19.0 171.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.382 ug/l
RT: 4.383 min Scan# 413
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

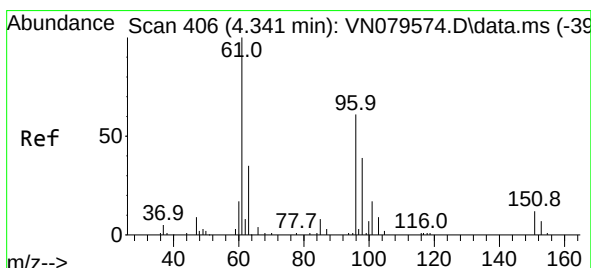
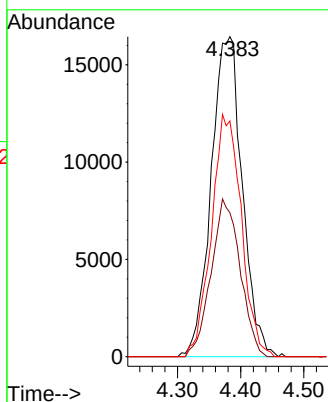
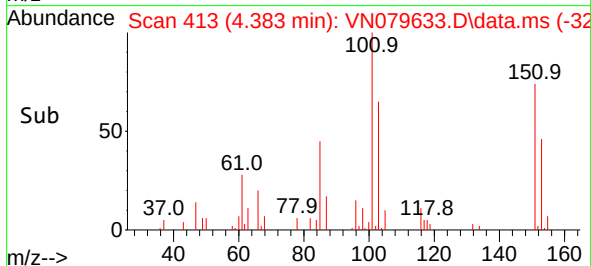
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ClientSampleId :
VSTDCCC020EC



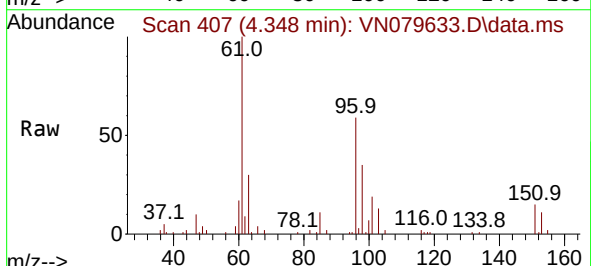
Tgt Ion:101 Resp: 56209
Ion Ratio Lower Upper
101 100
85 46.1 0.0 92.0
151 72.5 0.0 138.4

Manual Integrations
APPROVED

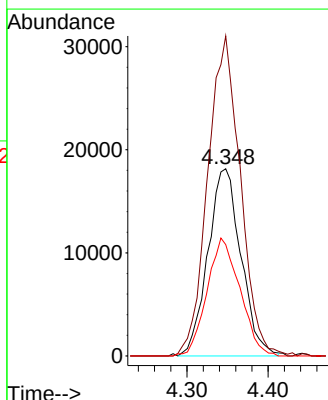
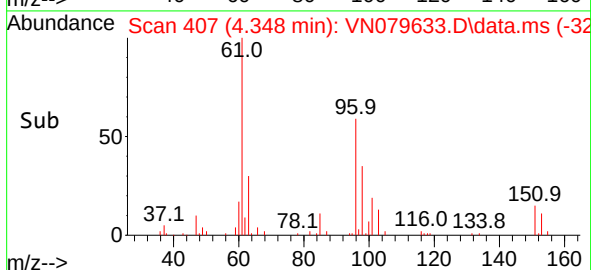
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

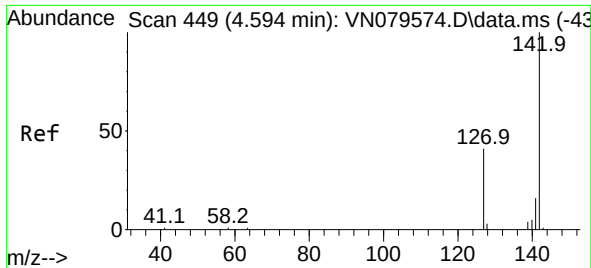


#10
1,1-Dichloroethene
Concen: 18.595 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



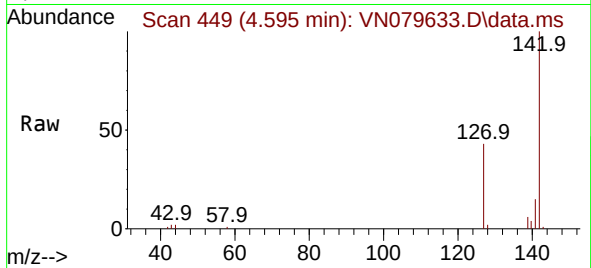
Tgt Ion: 96 Resp: 51309
Ion Ratio Lower Upper
96 100
61 169.5 141.3 211.9
98 59.5 53.2 79.8





#11
Methyl Iodide
Concen: 19.426 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

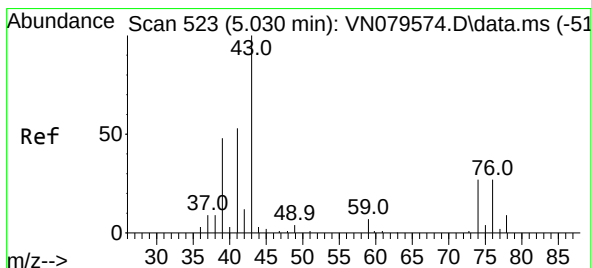
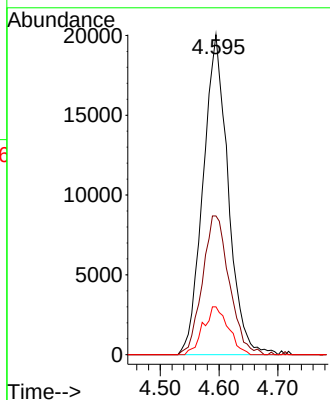
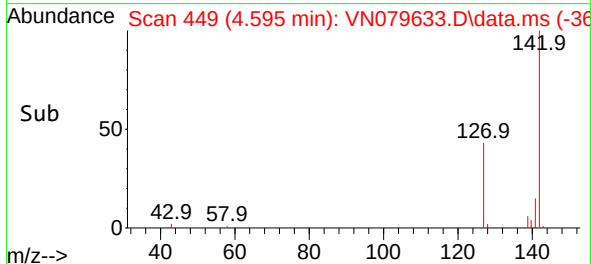
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 59340
Ion Ratio Lower Upper
142 100
127 43.3 24.6 73.8
141 14.9 7.7 23.1

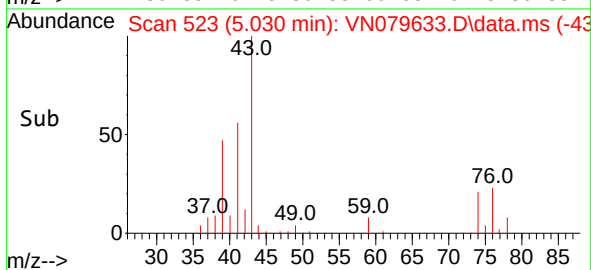
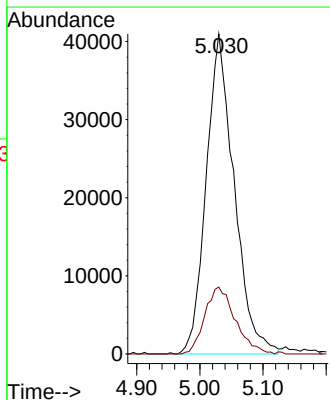
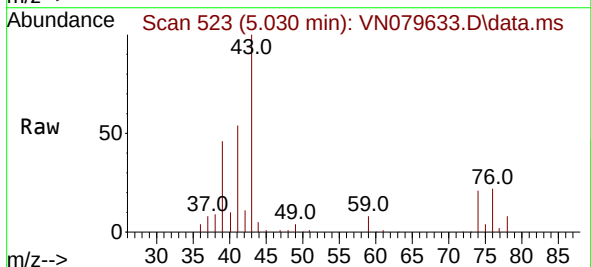
Manual Integrations
APPROVED

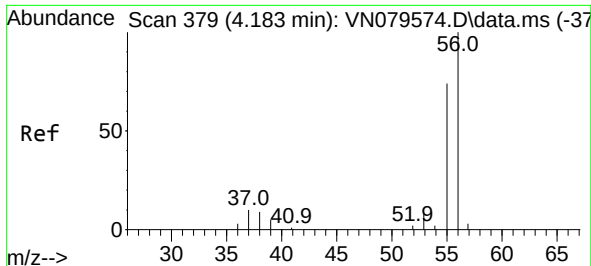
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#12
Methyl Acetate
Concen: 18.936 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Tgt Ion: 43 Resp: 125956
Ion Ratio Lower Upper
43 100
74 20.8 18.1 27.1





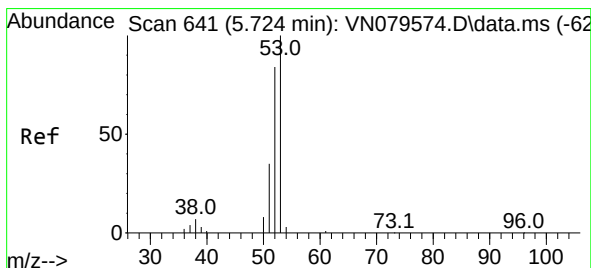
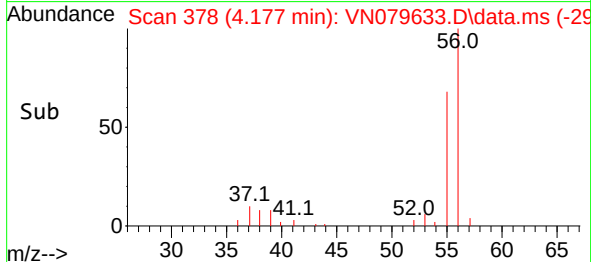
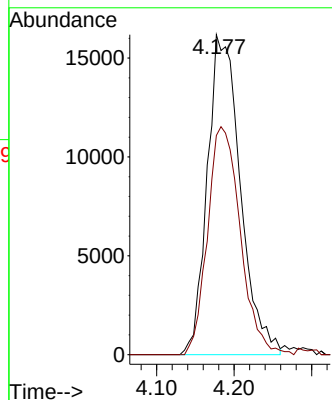
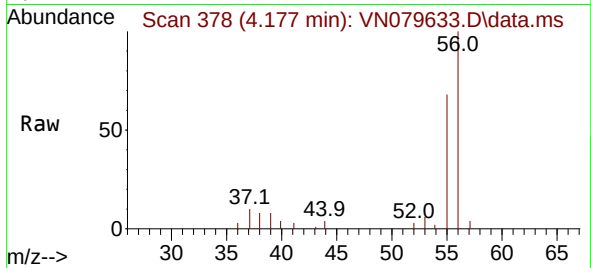
#13
Acrolein
Concen: 87.034 ug/l
RT: 4.177 min Scan# 379
Delta R.T. -0.006 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 56 Resp: 47850
Ion Ratio Lower Upper
56 100
55 70.7 57.1 85.7

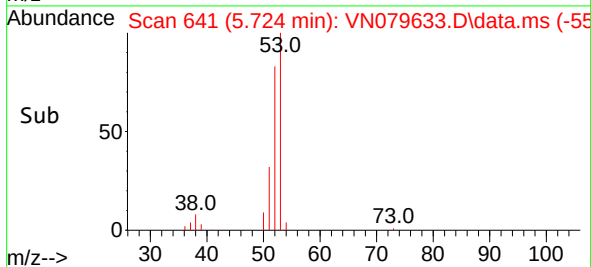
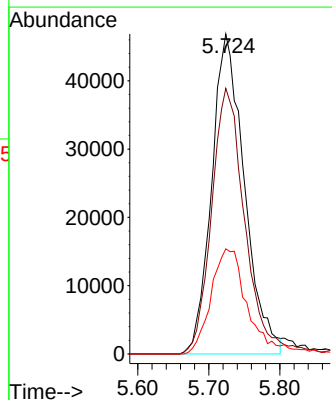
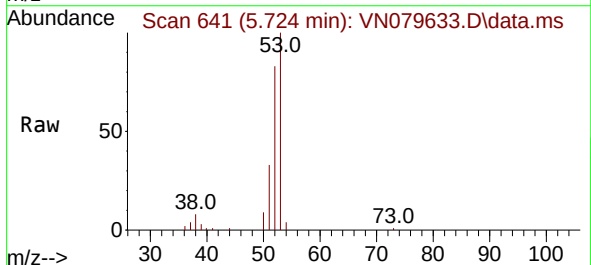
Manual Integrations
APPROVED

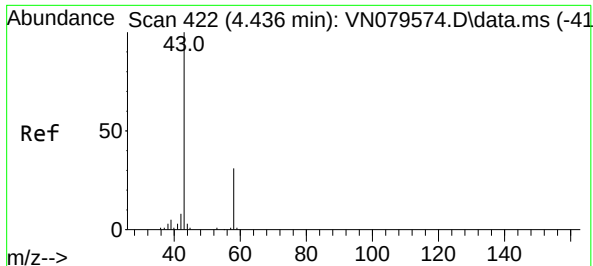
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#14
Acrylonitrile
Concen: 93.958 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Tgt Ion: 53 Resp: 149669
Ion Ratio Lower Upper
53 100
52 84.7 41.6 124.9
51 34.5 17.8 53.3





#15

Acetone

Concen: 83.904 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 42339

Ion Ratio Lower Upper

58 100

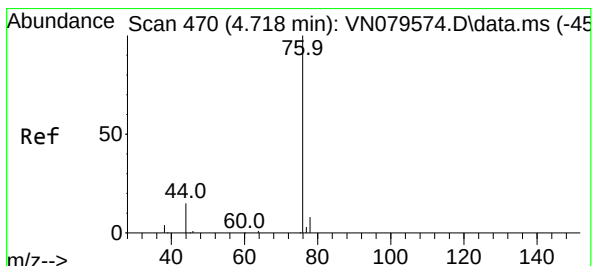
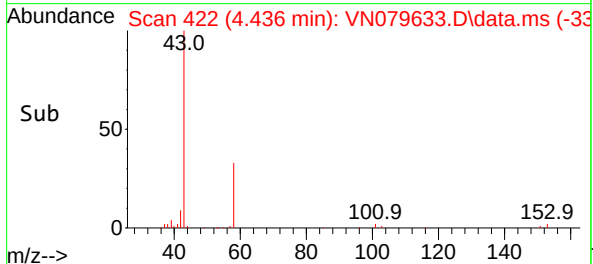
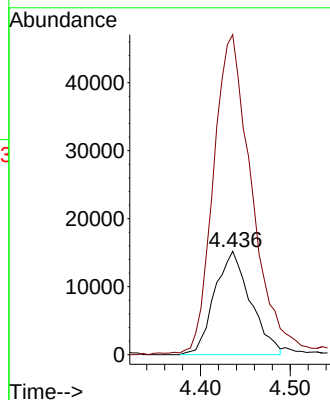
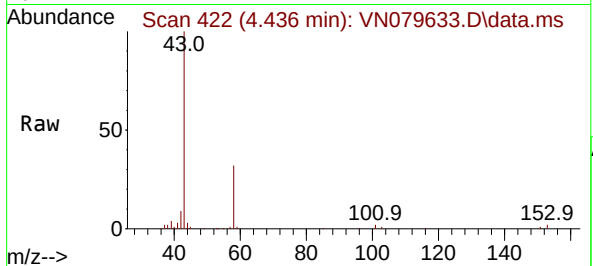
43 308.1 225.2 337.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#16

Carbon Disulfide

Concen: 17.402 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.000 min

Lab File: VN079633.D

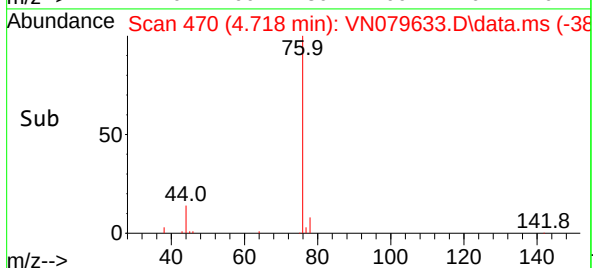
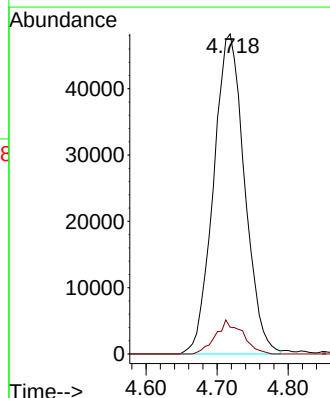
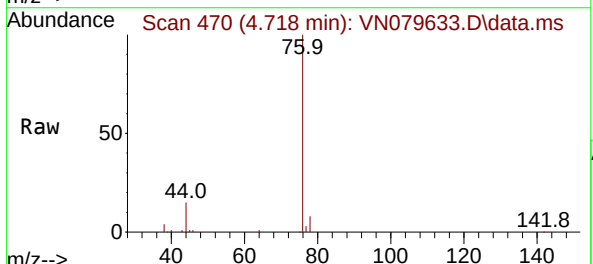
Acq: 20 Oct 2023 17:57

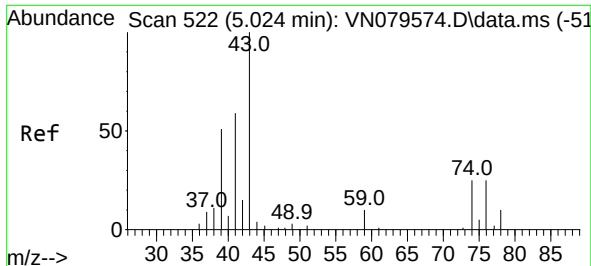
Tgt Ion: 76 Resp: 146419

Ion Ratio Lower Upper

76 100

78 8.4 7.5 11.3





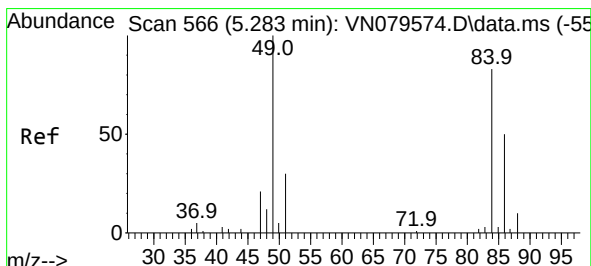
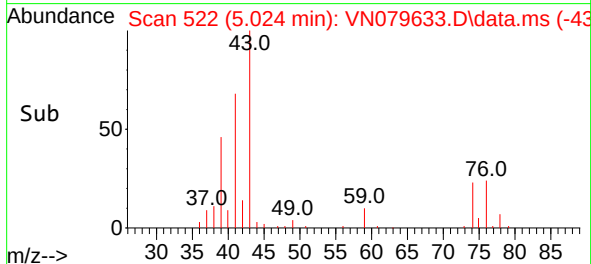
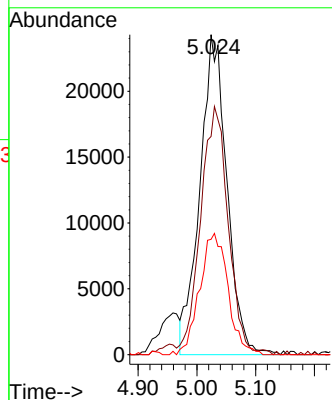
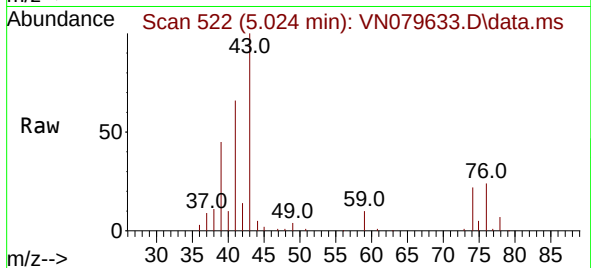
#17
 Allyl chloride
 Concen: 18.312 ug/l
 RT: 5.024 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN079633.D
 Acq: 20 Oct 2023 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 41 Resp: 7790
 Ion Ratio Lower Upper
 41 100
 39 68.2 38.4 115.2
 76 36.0 19.5 58.5

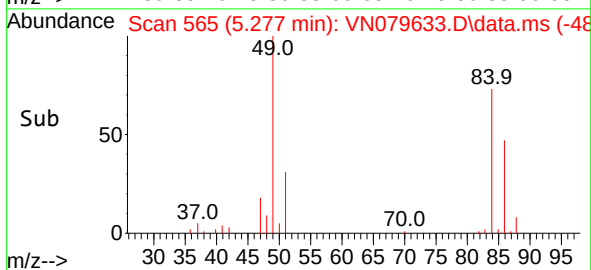
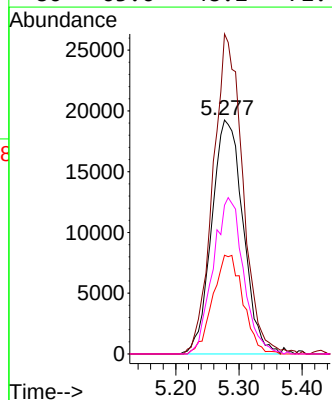
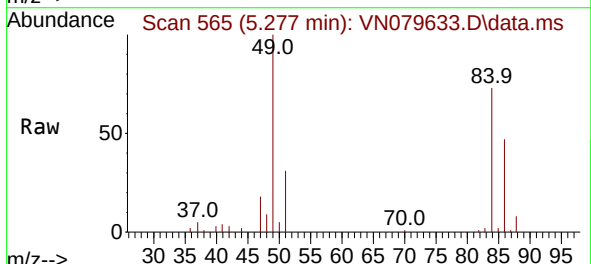
Manual Integrations
 APPROVED

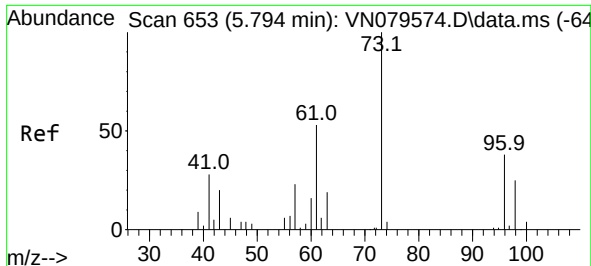
Reviewed By :John Carlone 10/23/2023
 Supervised By :Semsettin Yesilyurt 10/24/2023



#18
 Methylene Chloride
 Concen: 19.591 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. -0.006 min
 Lab File: VN079633.D
 Acq: 20 Oct 2023 17:57

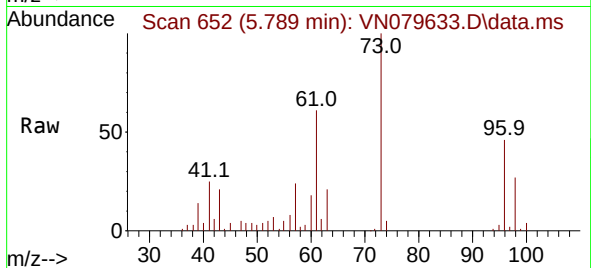
Tgt Ion: 84 Resp: 66537
 Ion Ratio Lower Upper
 84 100
 49 136.8 100.9 151.3
 51 42.2 29.4 44.2
 86 63.6 48.2 72.4





#19
trans-1,2-Dichloroethene
Concen: 19.064 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

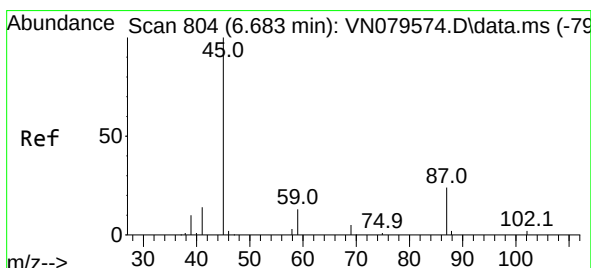
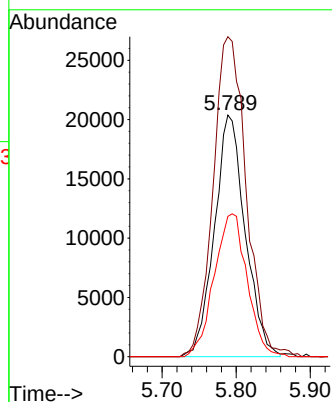
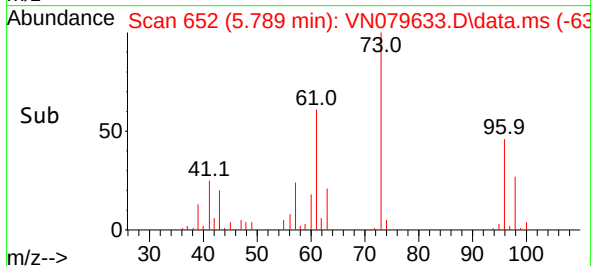
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 96 Resp: 58849
Ion Ratio Lower Upper
96 100
61 132.5 113.4 170.0
98 58.1 50.4 75.6

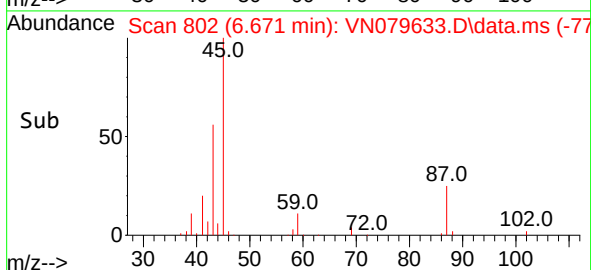
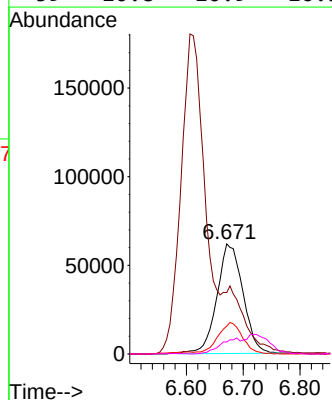
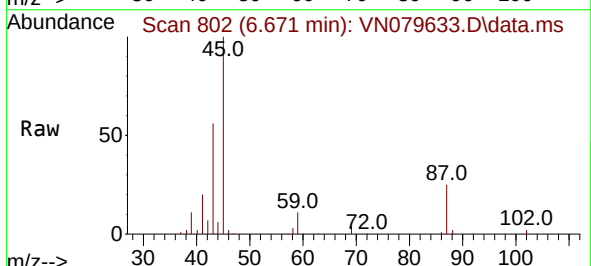
Manual Integrations
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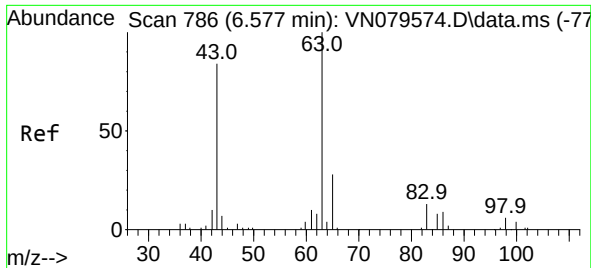
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#20
Diisopropyl ether
Concen: 19.500 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.012 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Tgt Ion: 45 Resp: 196703
Ion Ratio Lower Upper
45 100
43 53.4 42.1 63.1
87 25.5 20.5 30.7
59 10.8 10.9 16.3





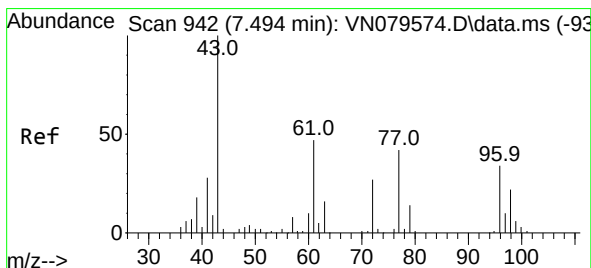
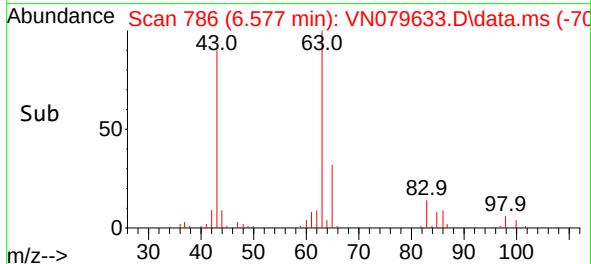
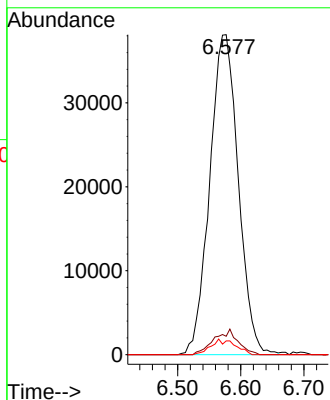
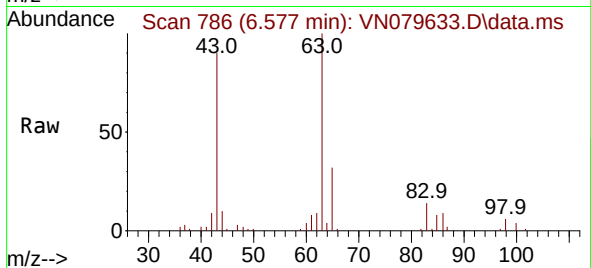
#21
1,1-Dichloroethane
Concen: 19.564 ug/l
RT: 6.577 min Scan# 786
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 11992
Ion Ratio Lower Upper
63 100
98 5.8 2.8 8.4
100 4.3 1.9 5.7

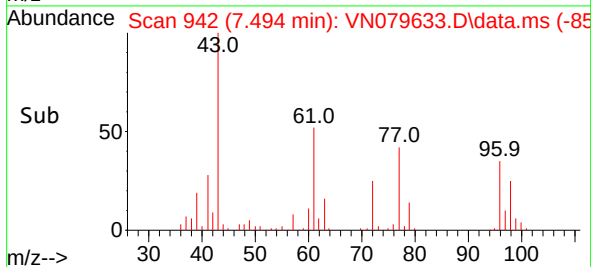
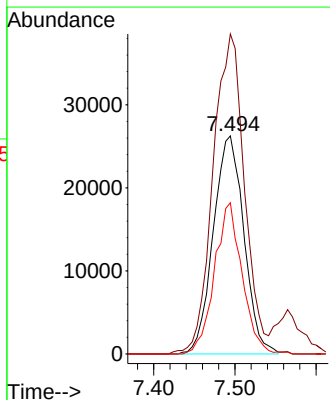
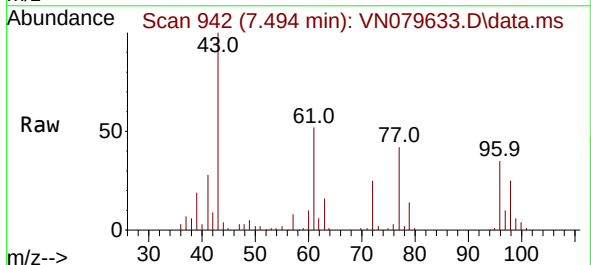
Manual Integrations
APPROVED

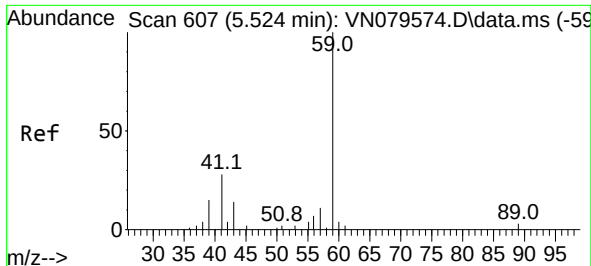
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#22
cis-1,2-Dichloroethene
Concen: 19.345 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

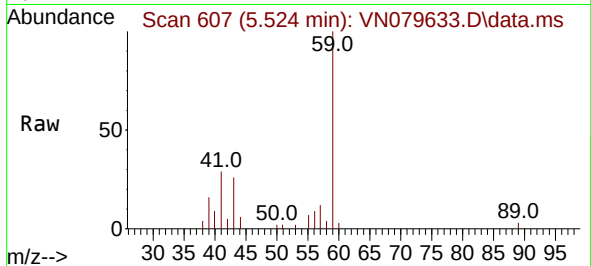
Tgt Ion: 96 Resp: 68780
Ion Ratio Lower Upper
96 100
61 150.4 124.6 186.8
98 62.2 54.2 81.4





#23
tert-Butyl Alcohol
Concen: 69.635 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

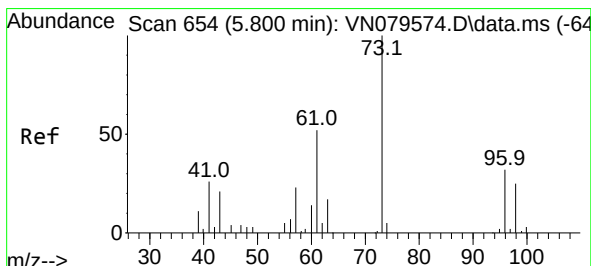
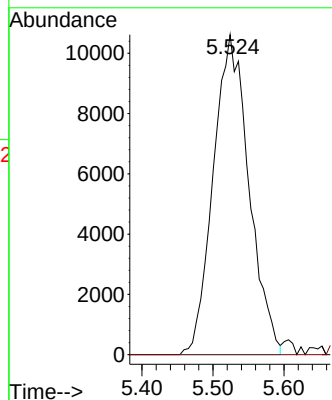
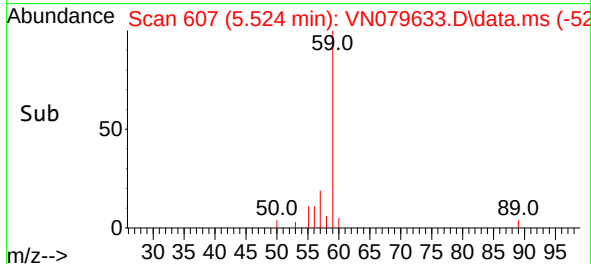
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 59 Resp: 37092
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

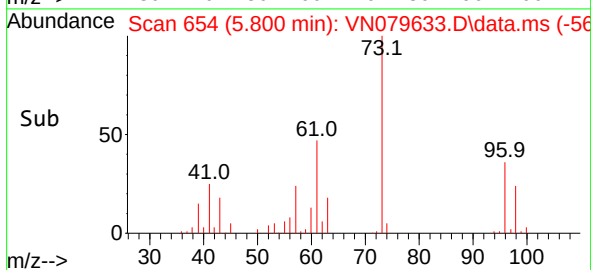
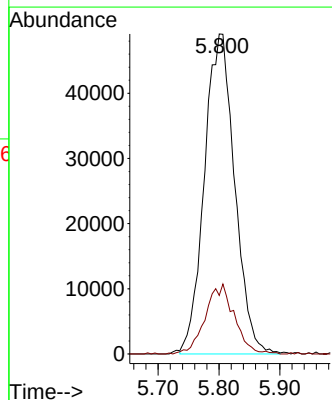
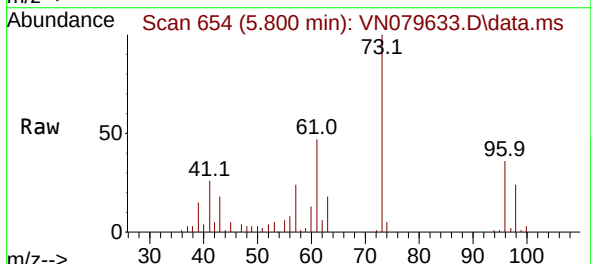
Manual Integrations
APPROVED

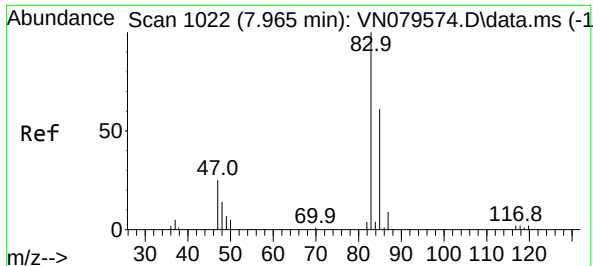
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#24
Methyl tert-Butyl Ether
Concen: 18.351 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Tgt Ion: 73 Resp: 169895
Ion Ratio Lower Upper
73 100
43 11.0 16.6 24.8#





#25

Chloroform

Concen: 19.829 ug/l

RT: 7.971 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 122810

Ion Ratio Lower Upper

83 100

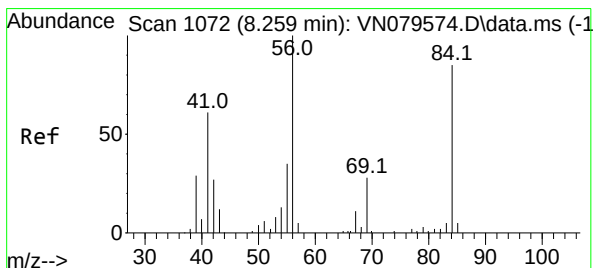
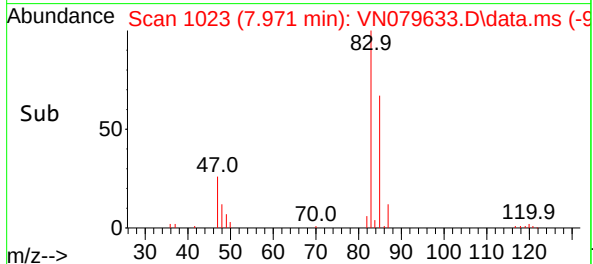
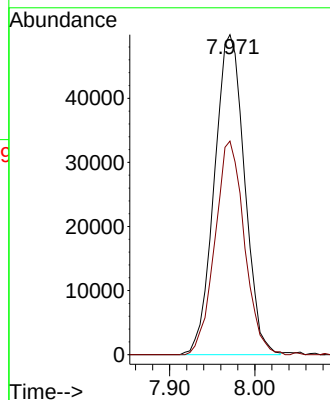
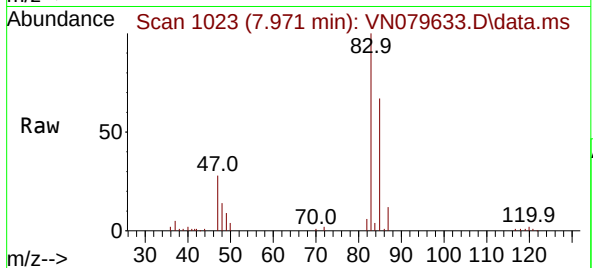
85 66.8 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#26

Cyclohexane

Concen: 18.045 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.006 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

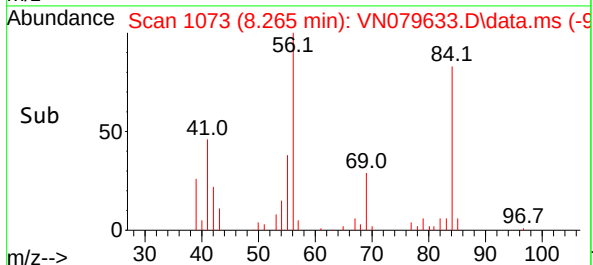
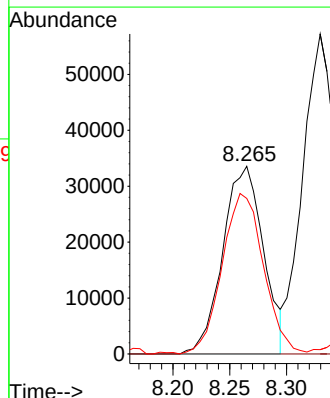
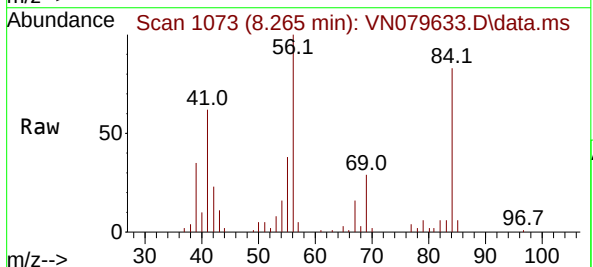
Tgt Ion: 56 Resp: 83613

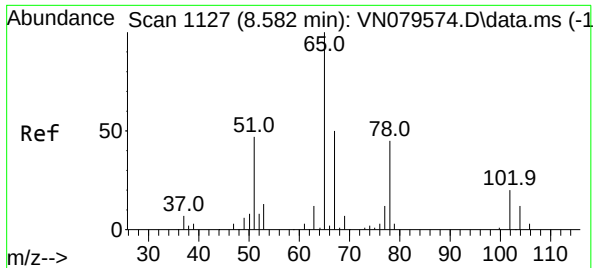
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 87.1 69.0 103.4





#27
1,2-Dichloroethane-d4
Concen: 29.115 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

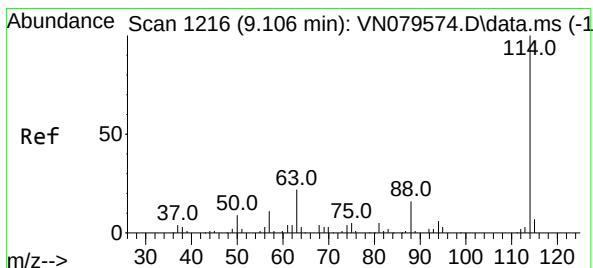
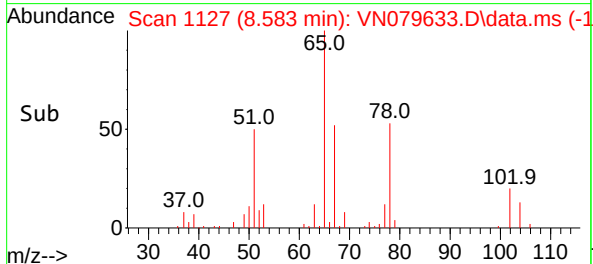
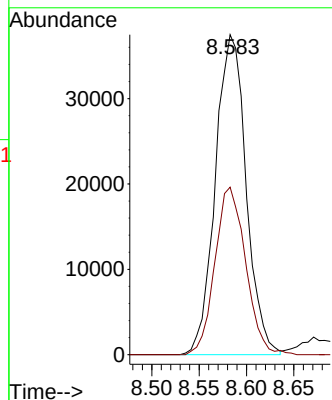
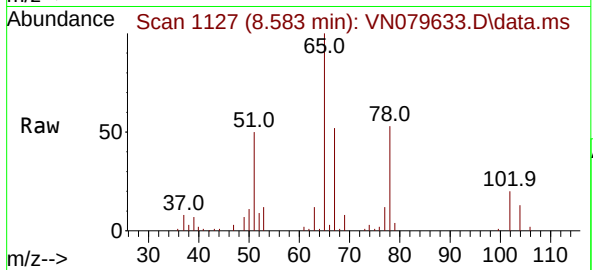
VSTDCCC020EC

Tgt Ion: 65 Resp: 84768
Ion Ratio Lower Upper
65 100
67 51.8 42.1 63.1

Manual Integrations

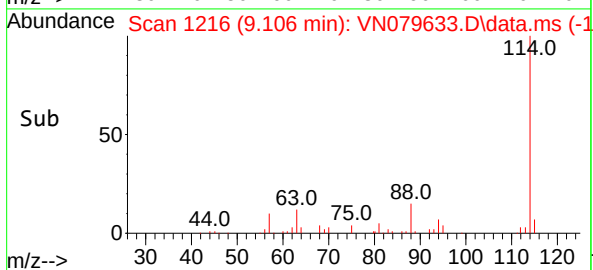
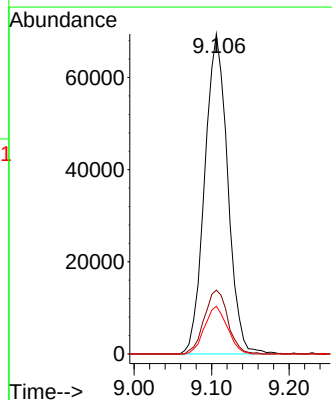
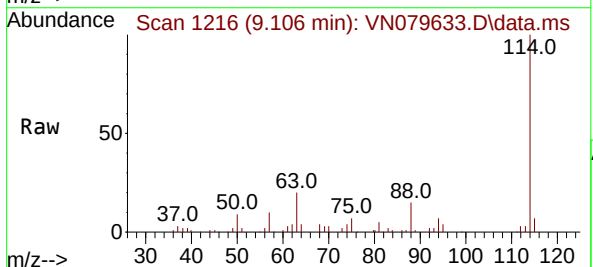
APPROVED

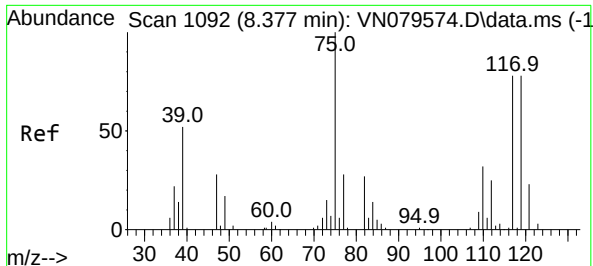
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Tgt Ion:114 Resp: 143166
Ion Ratio Lower Upper
114 100
63 20.5 18.1 27.1
88 14.7 12.2 18.2





#29
1,1-Dichloropropene
Concen: 20.319 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

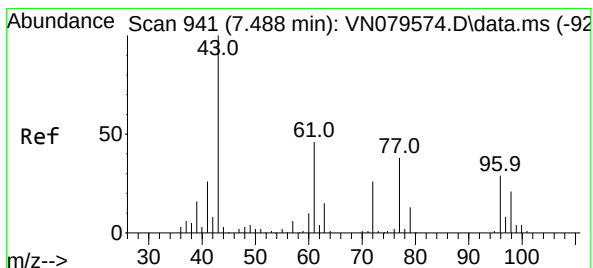
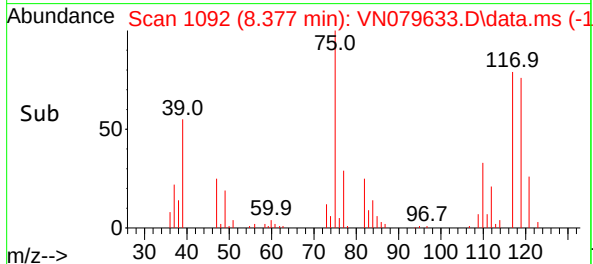
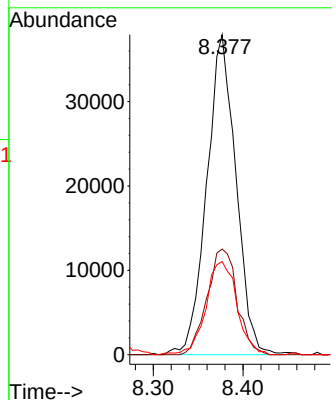
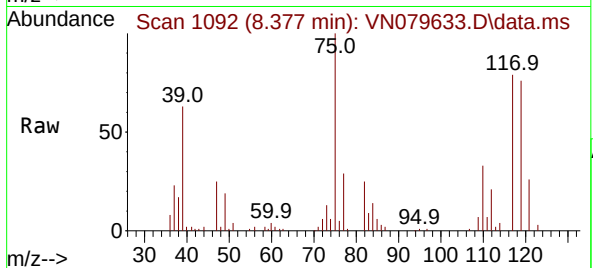
Tgt Ion: 75 Resp: 85010
Ion Ratio Lower Upper
75 100
110 34.1 0.0 66.8
77 30.9 0.0 61.2

Manual Integrations

APPROVED

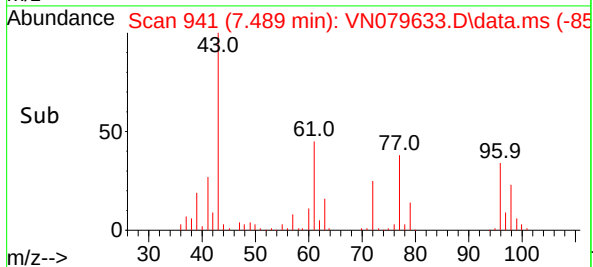
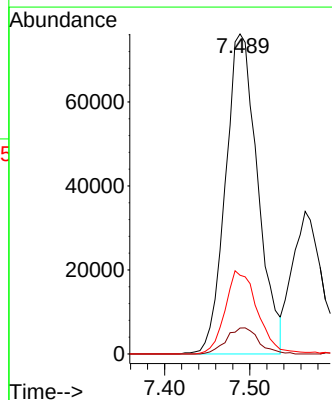
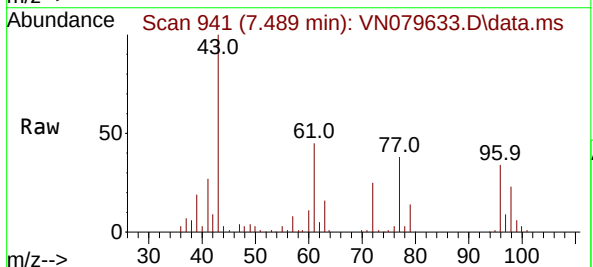
Reviewed By :John Carlone 10/23/2023

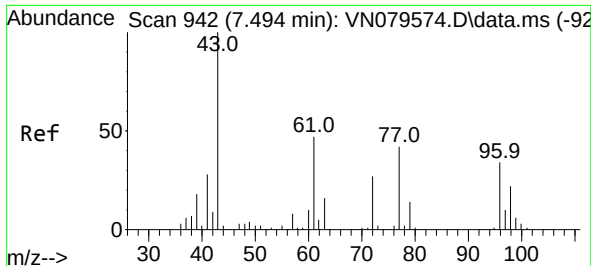
Supervised By :Semsettin Yesilyurt 10/24/2023



#30
2-Butanone
Concen: 95.548 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Tgt Ion: 43 Resp: 200381
Ion Ratio Lower Upper
43 100
57 8.1 6.4 9.6
72 26.0 20.7 31.1





#31

2,2-Dichloropropane

Concen: 19.191 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 77 Resp: 9053

Ion Ratio Lower Upper

77 100

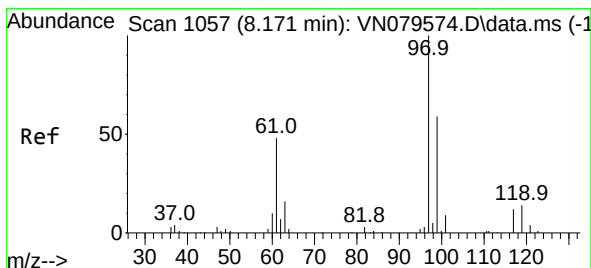
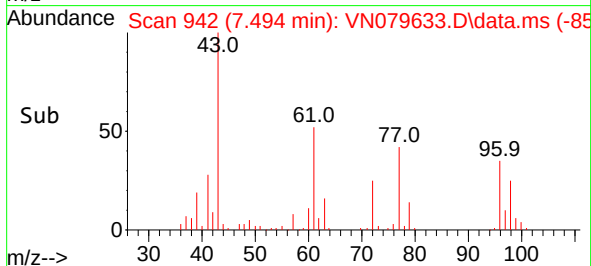
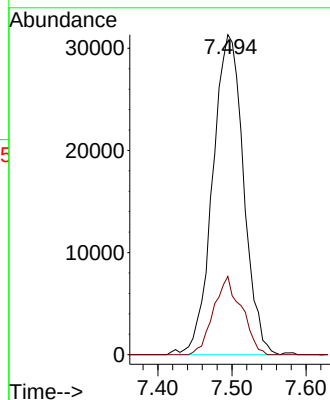
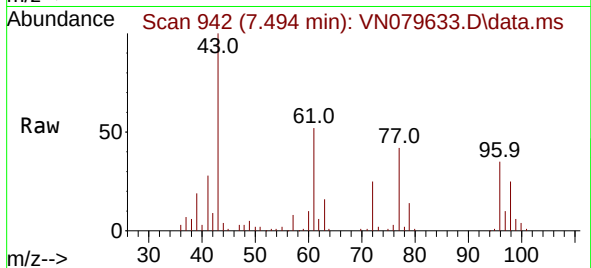
97 22.3 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#32

1,1,1-Trichloroethane

Concen: 20.539 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

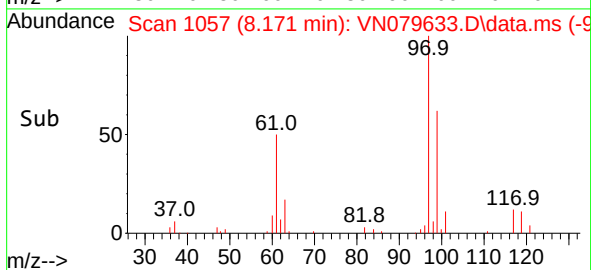
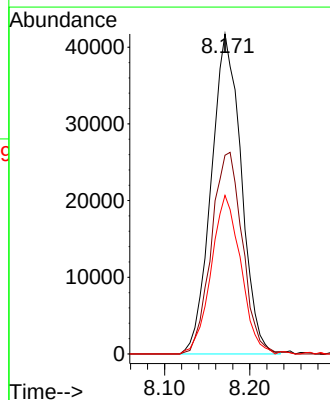
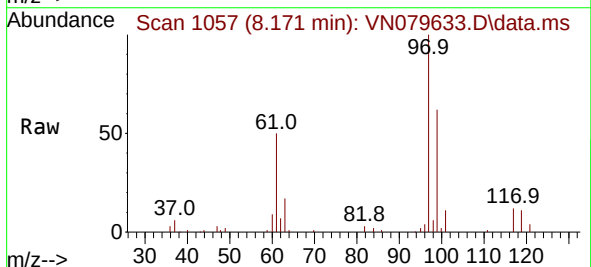
Tgt Ion: 97 Resp: 102134

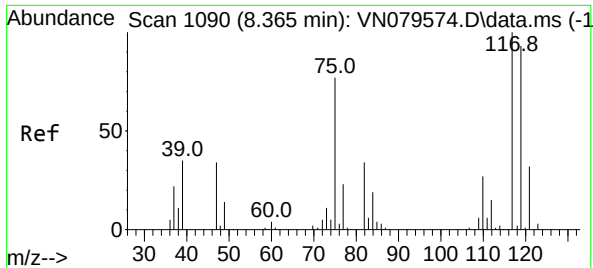
Ion Ratio Lower Upper

97 100

99 65.1 51.9 77.9

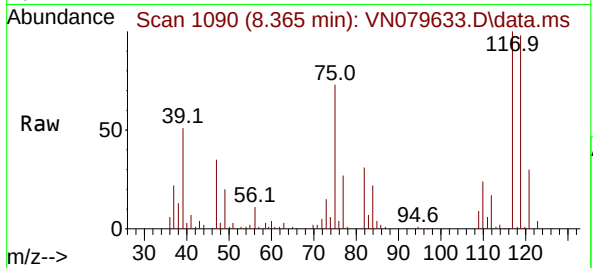
61 48.9 37.6 56.4





#33
Carbon Tetrachloride
Concen: 20.588 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

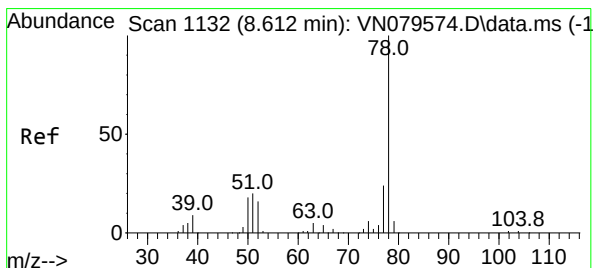
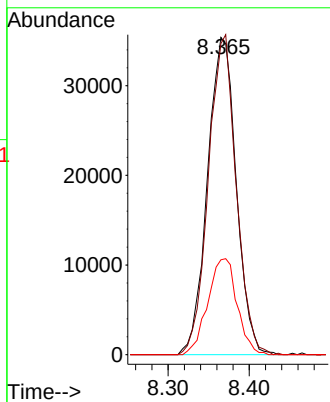
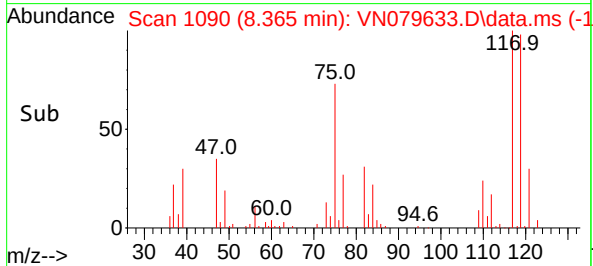
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



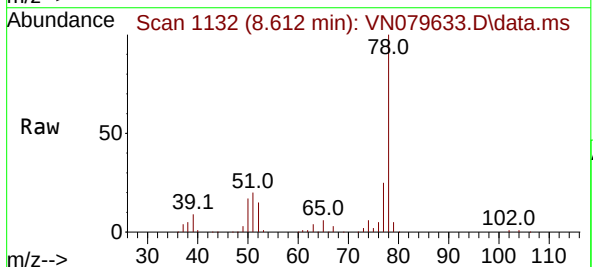
Tgt Ion:117 Resp: 8707
Ion Ratio Lower Upper
117 100
119 98.1 75.0 112.6
121 29.9 24.3 36.5

Manual Integrations
APPROVED

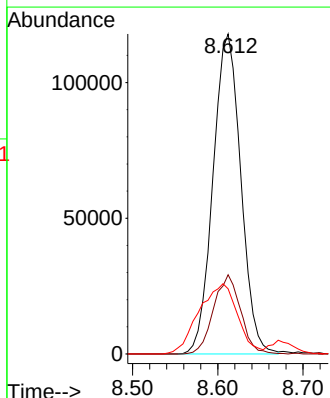
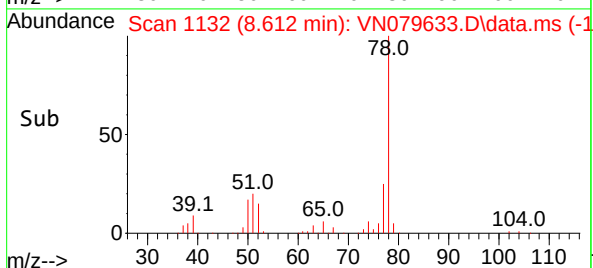
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

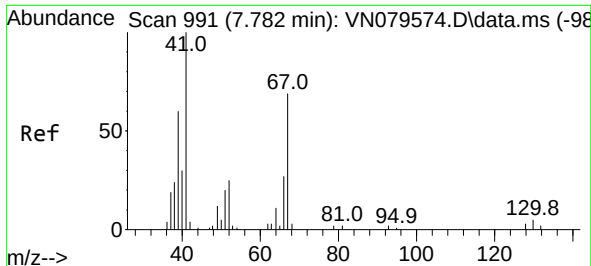


#34
Benzene
Concen: 21.031 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



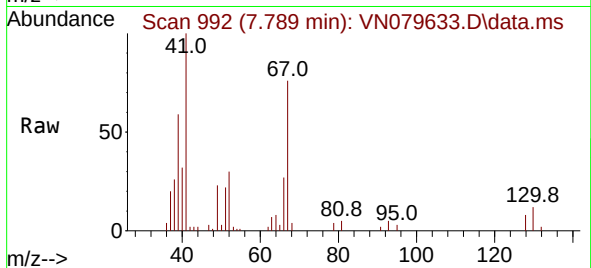
Tgt Ion: 78 Resp: 267340
Ion Ratio Lower Upper
78 100
77 24.7 19.7 29.5
51 18.4 15.8 23.6





#35
Methacrylonitrile
Concen: 19.757 ug/l
RT: 7.789 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

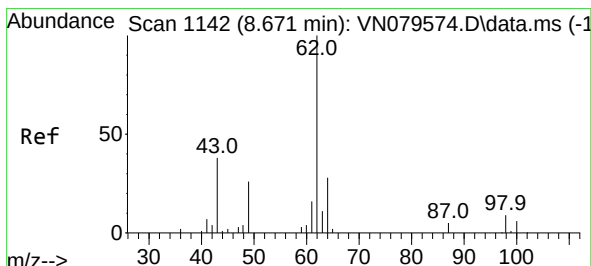
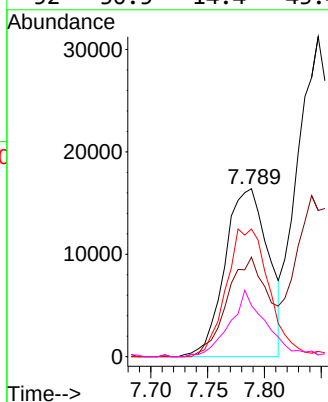
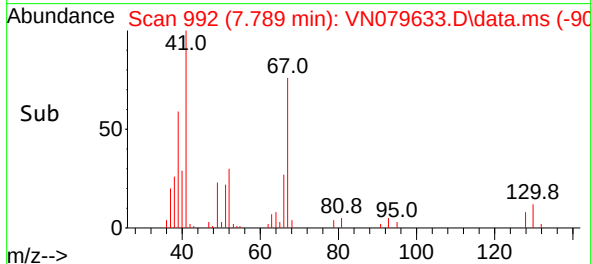
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 43580
Ion Ratio Lower Upper
41 100
39 59.2 26.3 78.8
67 76.0 37.5 112.3
52 30.5 14.4 43.4

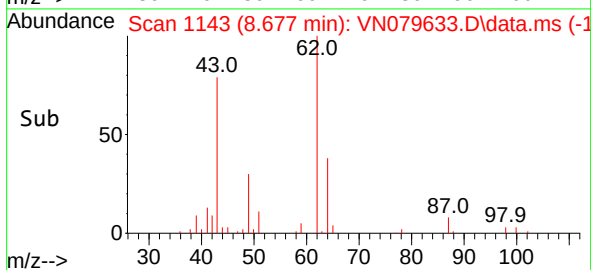
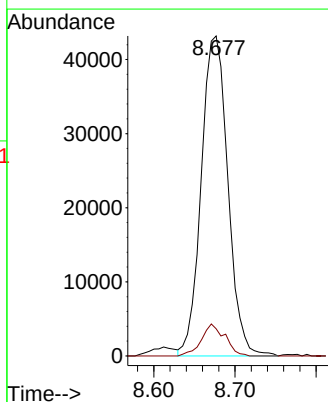
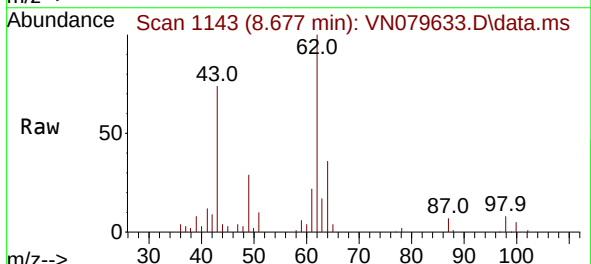
Manual Integrations
APPROVED

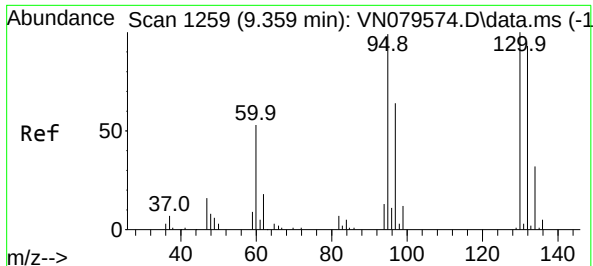
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#36
1,2-Dichloroethane
Concen: 21.705 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Tgt Ion: 62 Resp: 98512
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8





#37

Trichloroethene

Concen: 20.355 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:130 Resp: 60480

Ion Ratio Lower Upper

130 100

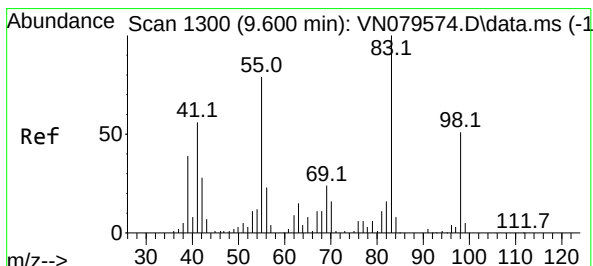
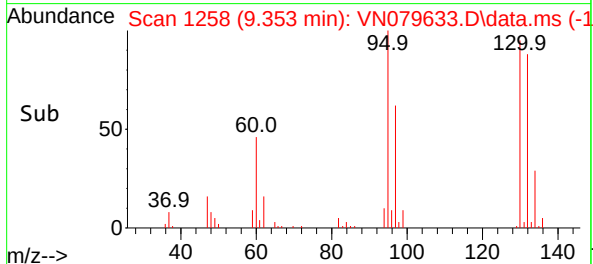
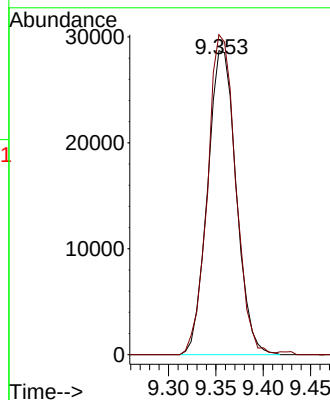
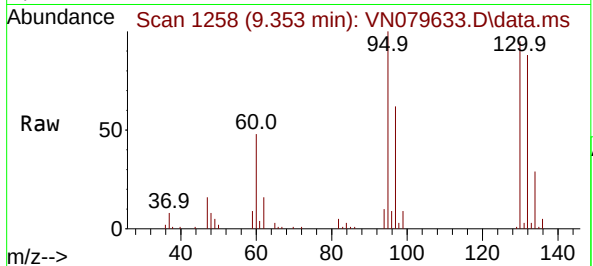
95 105.3 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#38

Methylcyclohexane

Concen: 18.323 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

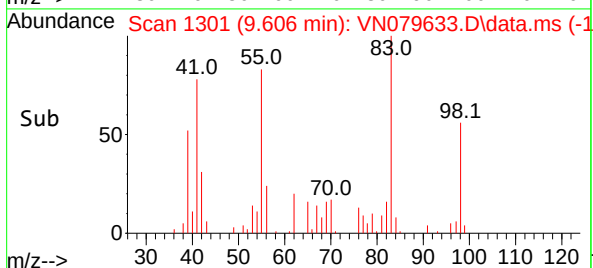
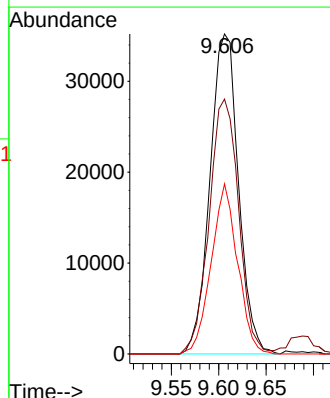
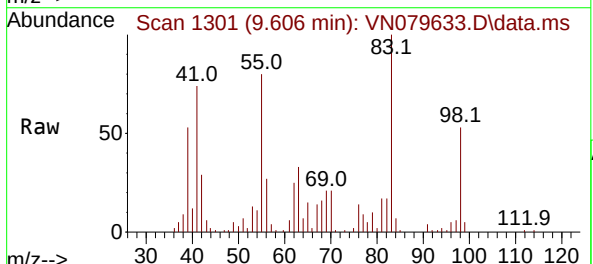
Tgt Ion: 83 Resp: 73809

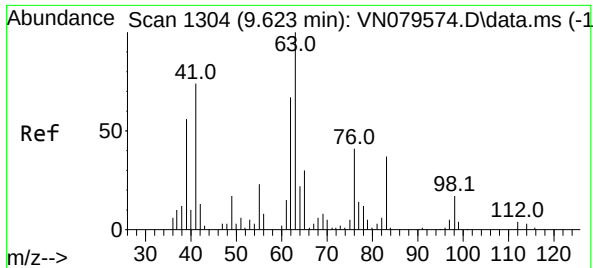
Ion Ratio Lower Upper

83 100

55 82.3 39.7 119.1

98 49.2 24.4 73.2





#39

1,2-Dichloropropane

Concen: 20.994 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 70420

Ion Ratio Lower Upper

63 100

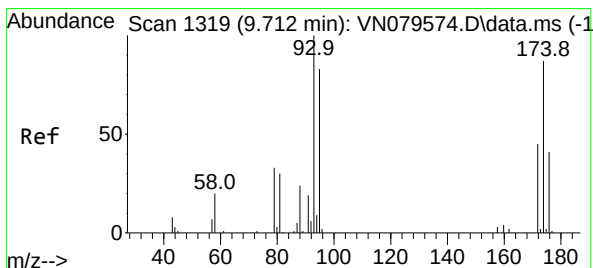
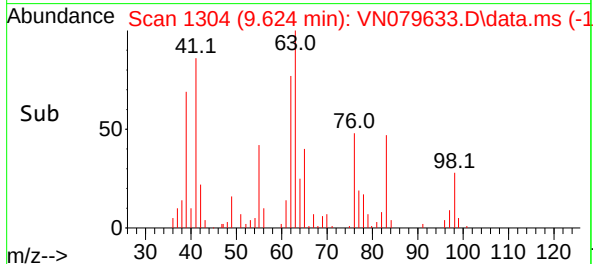
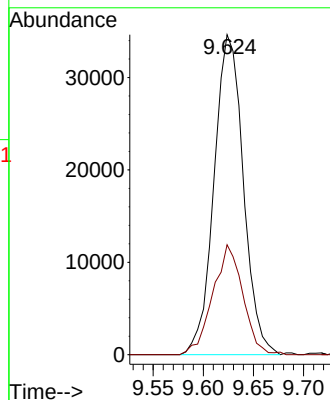
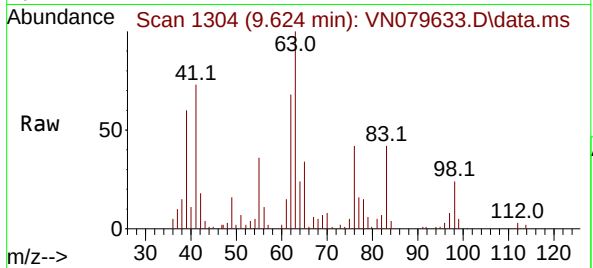
65 34.4 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#40

Dibromomethane

Concen: 21.891 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

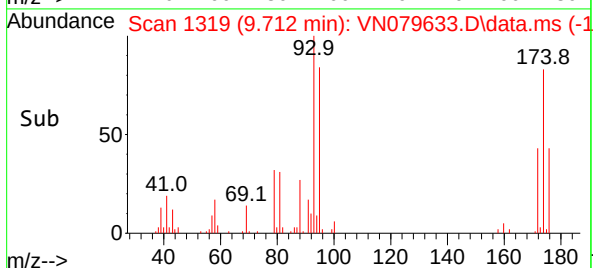
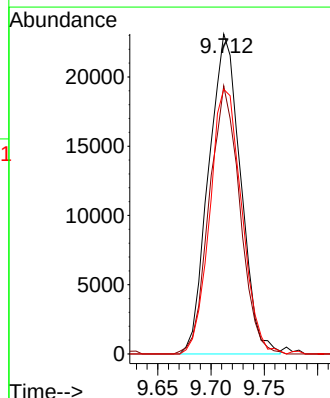
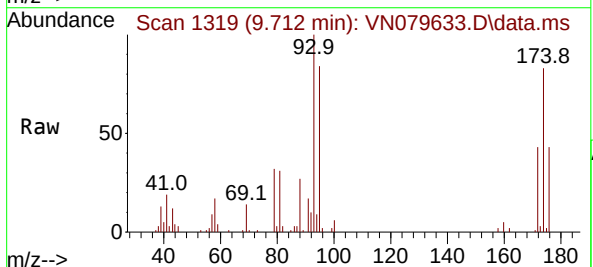
Tgt Ion: 93 Resp: 48193

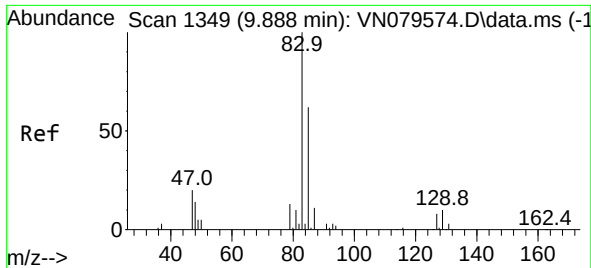
Ion Ratio Lower Upper

93 100

95 80.2 0.0 166.6

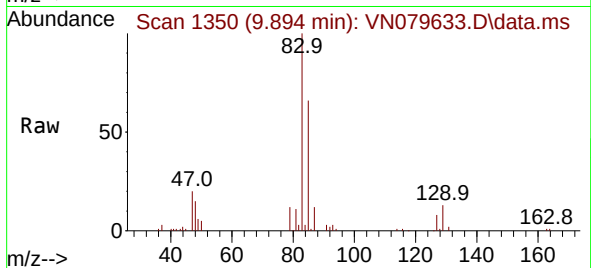
174 81.8 0.0 171.0





#41
Bromodichloromethane
Concen: 21.291 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

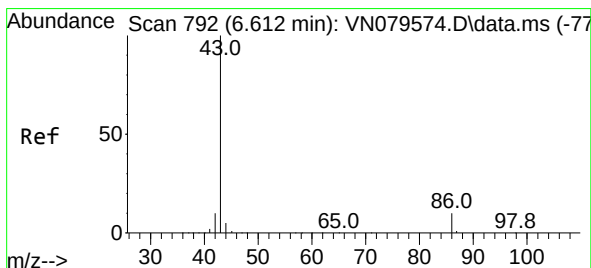
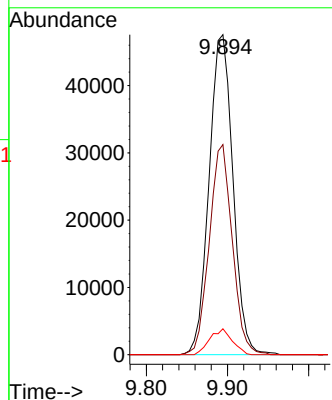
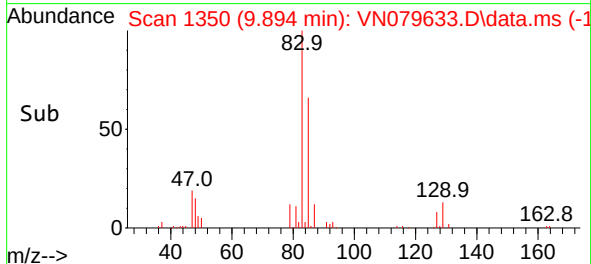
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



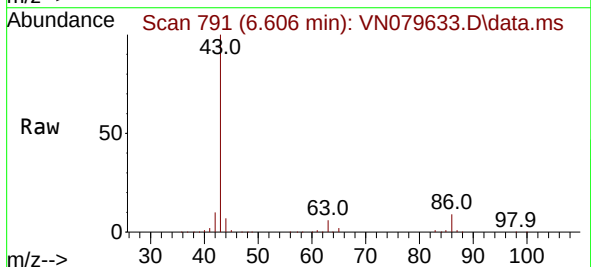
Tgt Ion: 83 Resp: 97130
Ion Ratio Lower Upper
83 100
85 65.6 50.3 75.5
127 8.1 6.8 10.2

Manual Integrations
APPROVED

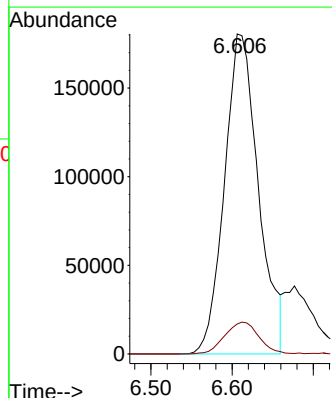
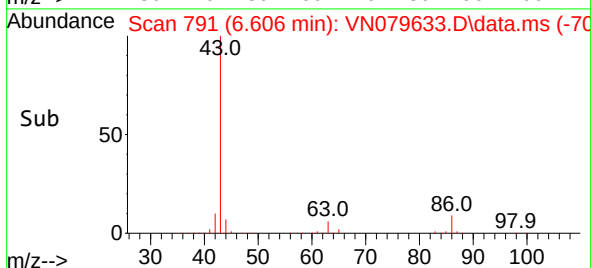
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

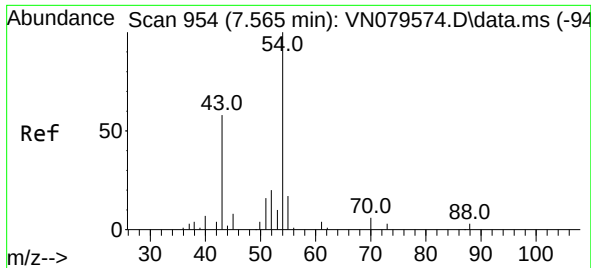


#42
Vinyl Acetate
Concen: 98.888 ug/l
RT: 6.606 min Scan# 791
Delta R.T. -0.006 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



Tgt Ion: 43 Resp: 526078
Ion Ratio Lower Upper
43 100
86 10.0 8.2 12.2





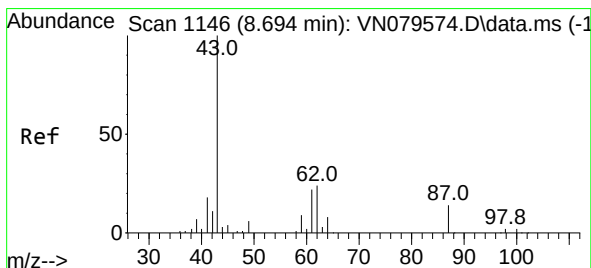
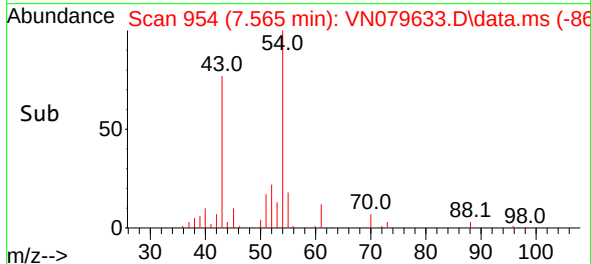
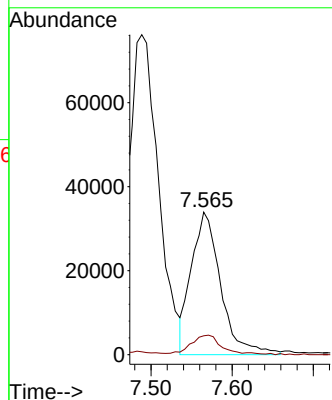
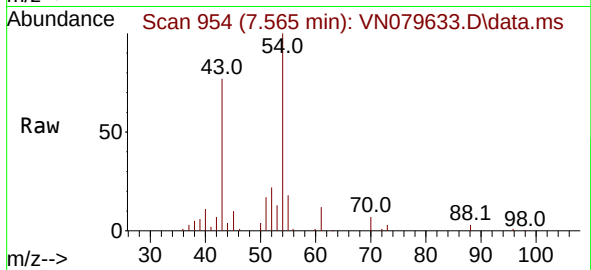
#43
Ethyl Acetate
Concen: 21.718 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 8564
Ion Ratio Lower Upper
43 100
45 13.7 11.8 17.8

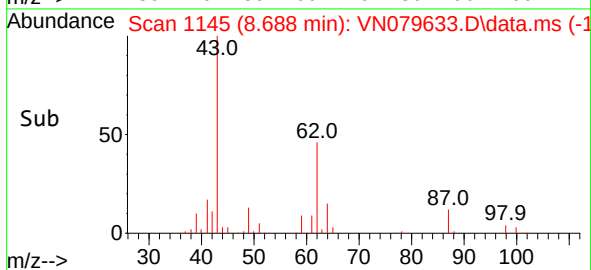
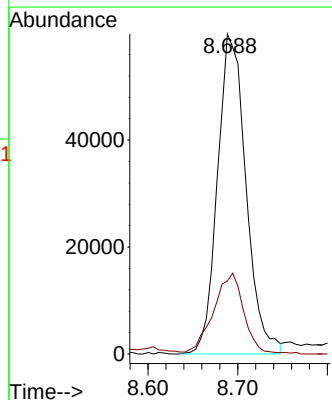
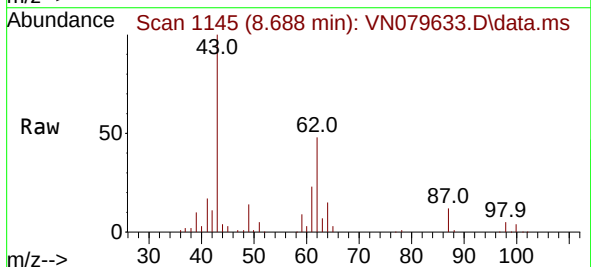
Manual Integrations
APPROVED

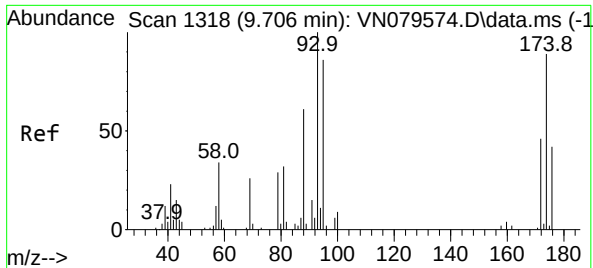
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#44
Isopropyl Acetate
Concen: 18.850 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

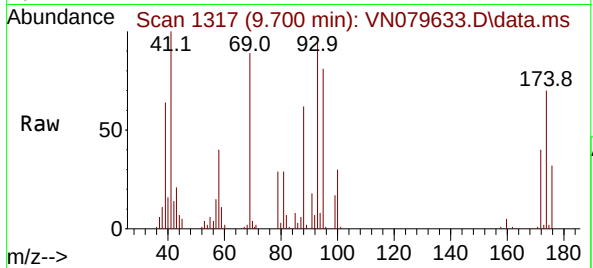
Tgt Ion: 43 Resp: 132143
Ion Ratio Lower Upper
43 100
61 26.8 20.3 30.5





#45
1,4-Dioxane
Concen: 354.340 ug/l
RT: 9.700 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

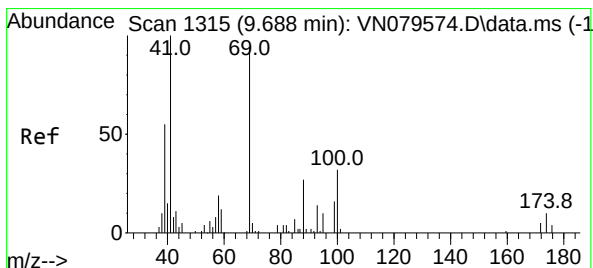
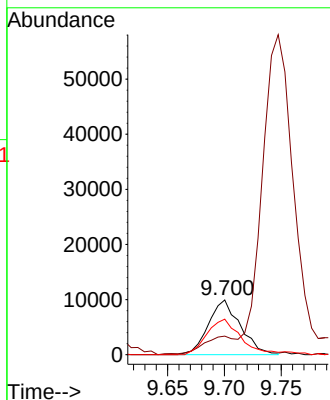
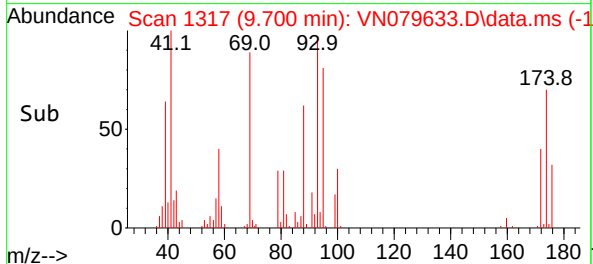
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 88 Resp: 1944
Ion Ratio Lower Upper
88 100
43 32.7 28.7 43.1
58 68.5 56.9 85.3

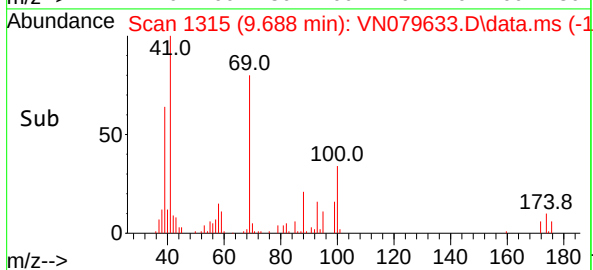
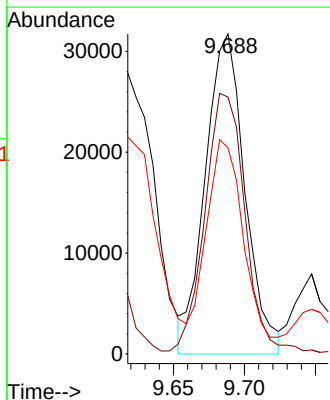
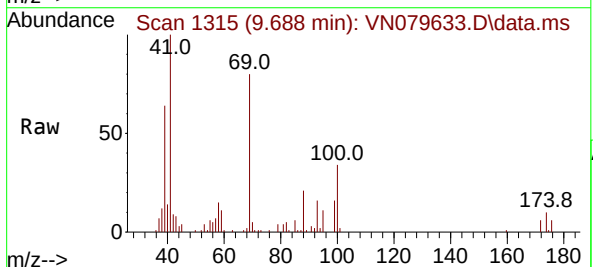
Manual Integrations
APPROVED

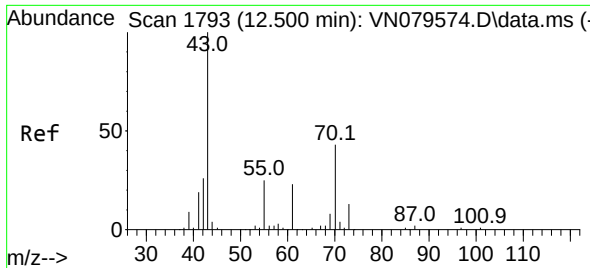
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#46
Methyl methacrylate
Concen: 19.808 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

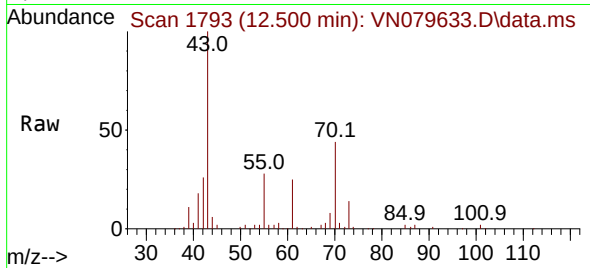
Tgt Ion: 41 Resp: 61602
Ion Ratio Lower Upper
41 100
69 83.4 40.0 119.9
39 63.7 31.1 93.3





#47
n-amy1 Acetate
Concen: 19.475 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

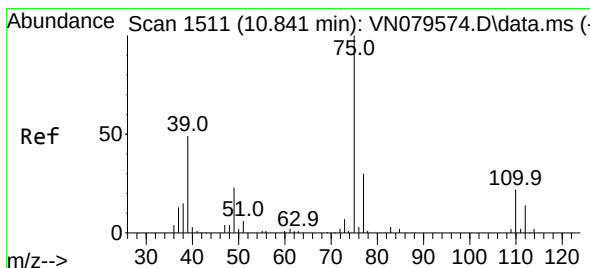
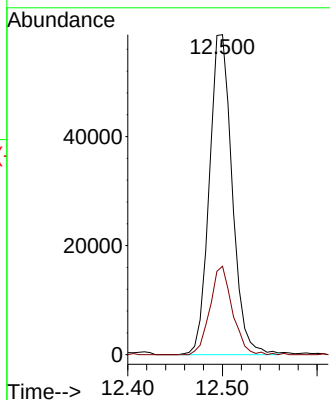
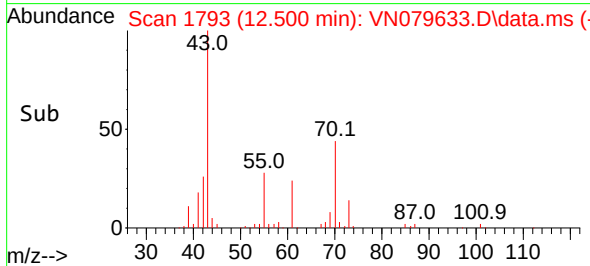
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 98529
Ion Ratio Lower Upper
43 100
55 26.8 20.7 31.1

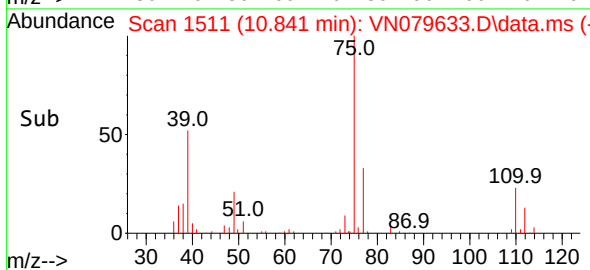
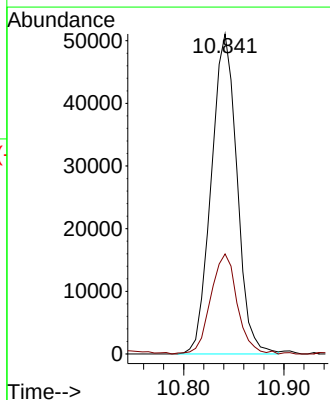
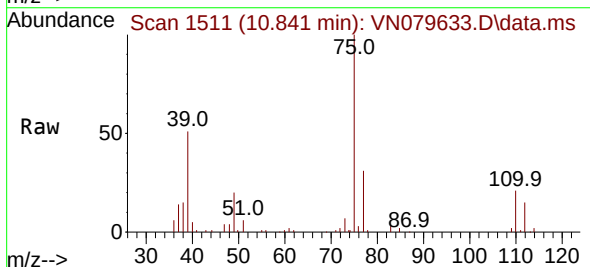
Manual Integrations
APPROVED

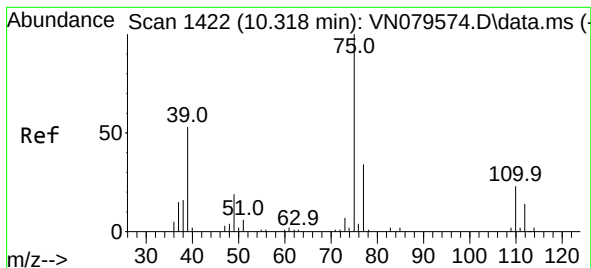
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#48
t-1,3-Dichloropropene
Concen: 19.751 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Tgt Ion: 75 Resp: 91094
Ion Ratio Lower Upper
75 100
77 31.2 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 20.370 ug/l

RT: 10.318 min Scan# 1422

Delta R.T. 0.000 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 10273

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

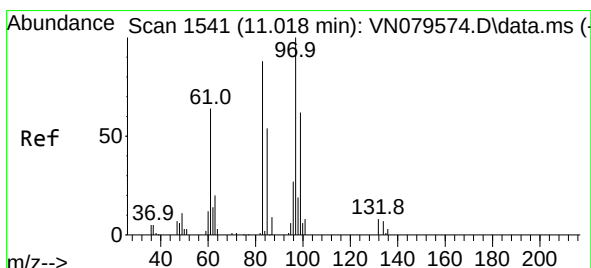
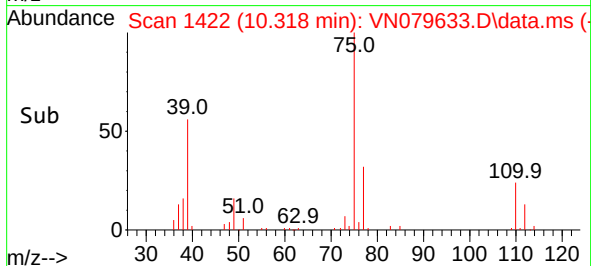
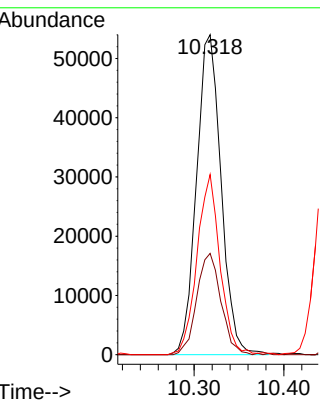
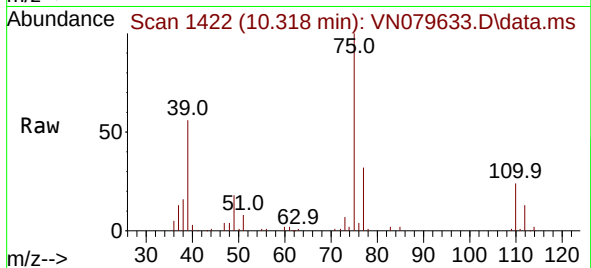
39 56.3 42.4 63.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#50

1,1,2-Trichloroethane

Concen: 21.425 ug/l

RT: 11.024 min Scan# 1542

Delta R.T. 0.006 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

Tgt Ion: 97 Resp: 65433

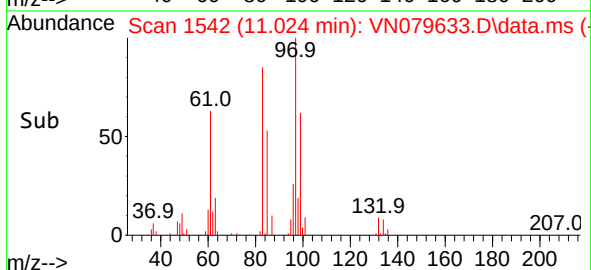
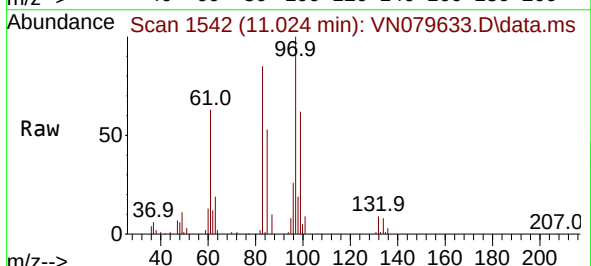
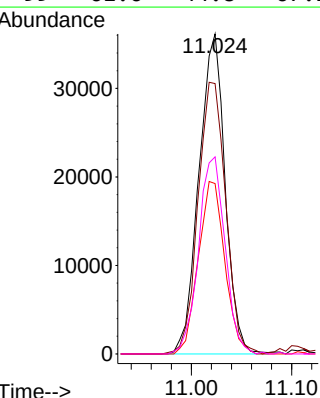
Ion Ratio Lower Upper

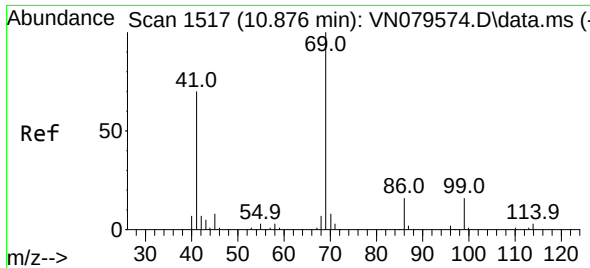
97 100

83 84.1 68.2 102.4

85 53.2 42.9 64.3

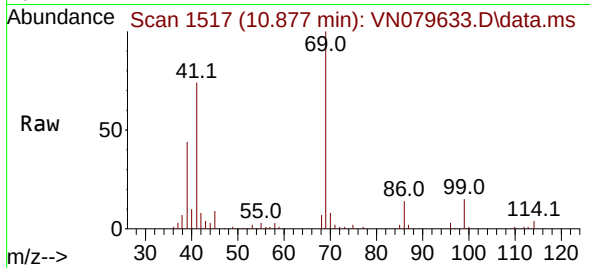
99 61.6 44.8 67.2





#51
Ethyl methacrylate
Concen: 19.649 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

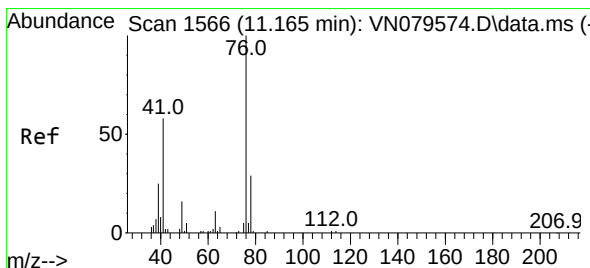
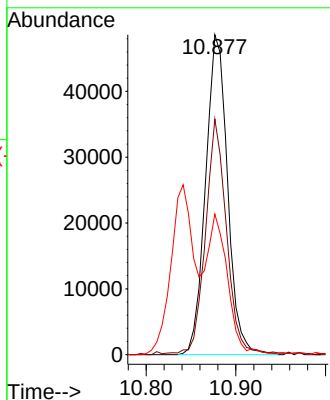
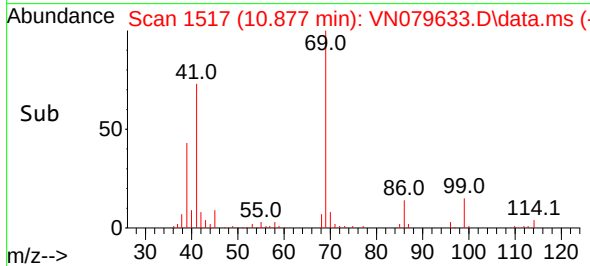
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



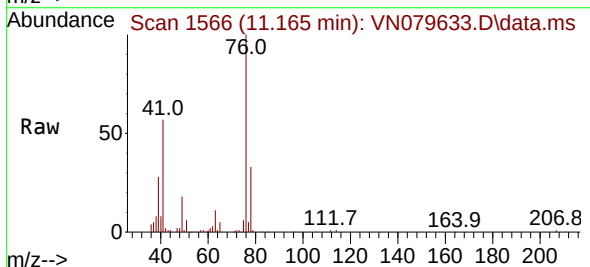
Tgt Ion: 69 Resp: 82793
Ion Ratio Lower Upper
69 100
41 73.1 33.8 101.3
39 43.5 21.3 63.9

Manual Integrations
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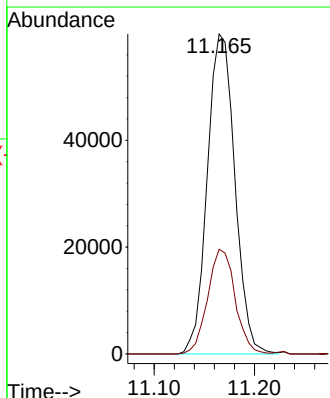
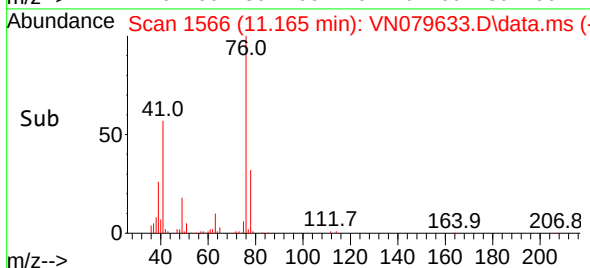
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

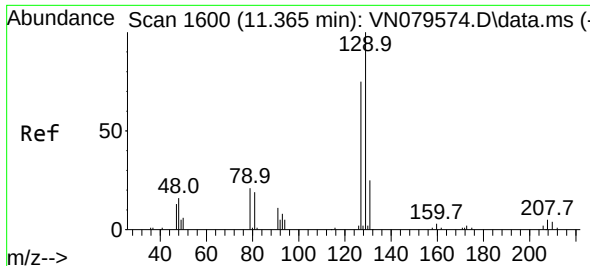


#52
1,3-Dichloropropane
Concen: 21.141 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



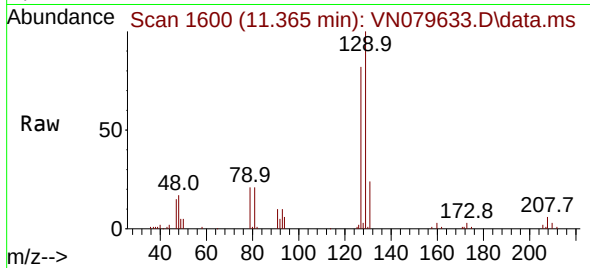
Tgt Ion: 76 Resp: 114383
Ion Ratio Lower Upper
76 100
78 32.5 0.0 64.0





#53
Dibromochloromethane
Concen: 21.120 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

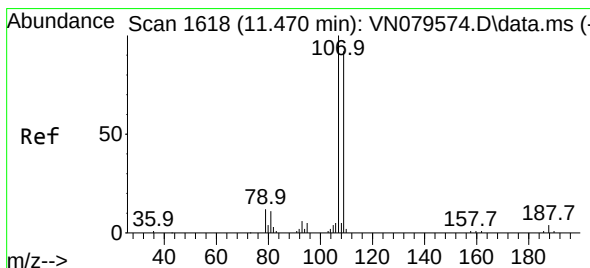
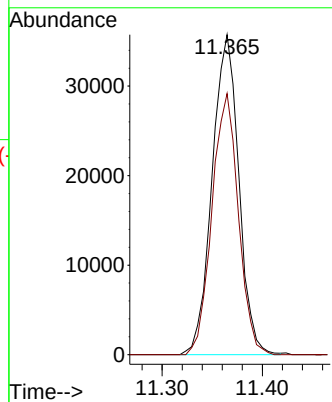
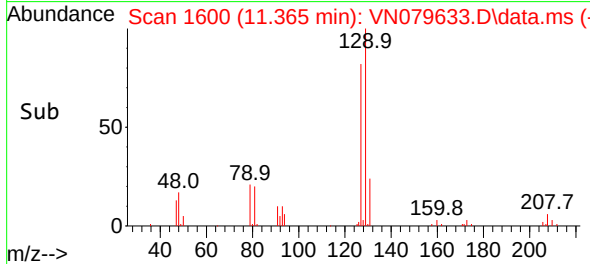
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



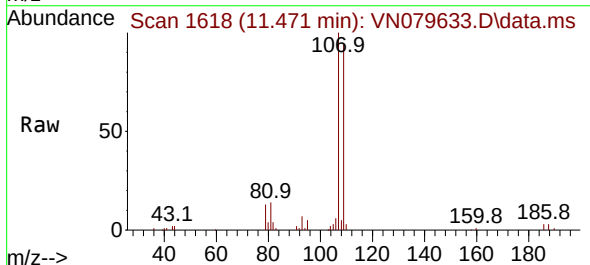
Tgt Ion:129 Resp: 65923
Ion Ratio Lower Upper
129 100
127 80.6 38.8 116.3

Manual Integrations
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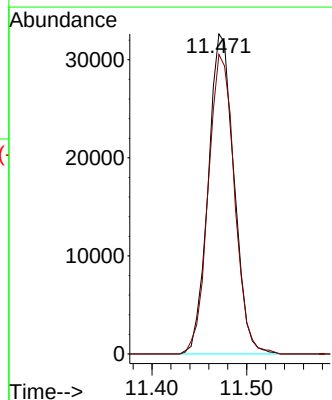
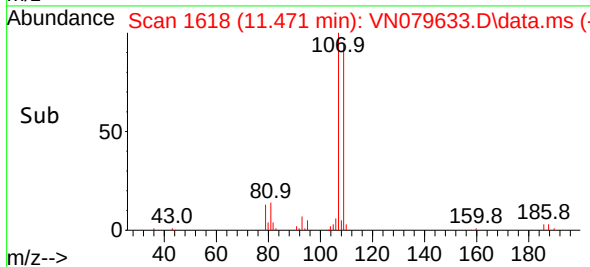
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

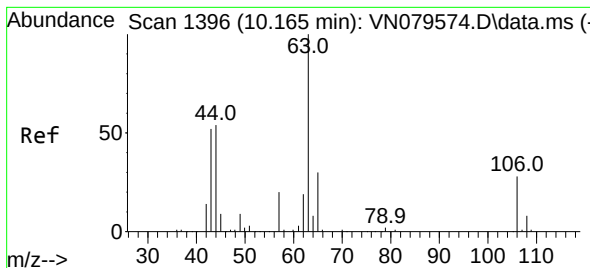


#54
1,2-Dibromoethane
Concen: 20.491 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



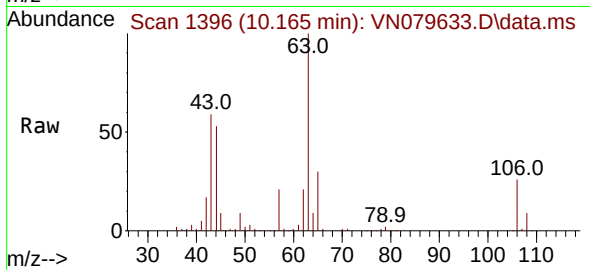
Tgt Ion:107 Resp: 61740
Ion Ratio Lower Upper
107 100
109 95.2 73.2 109.8





#55
2-Chloroethyl vinyl ether
Concen: 104.562 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

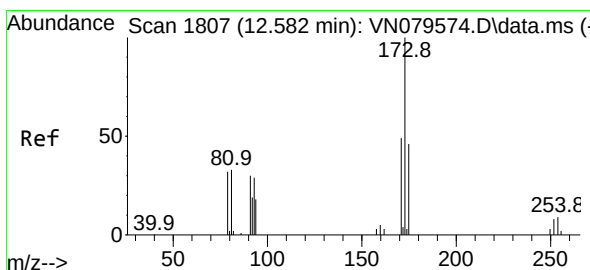
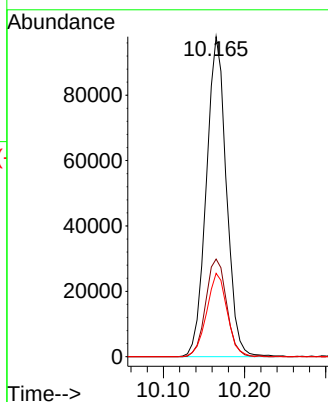
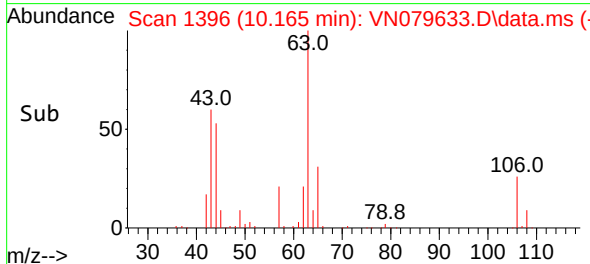
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 168098
Ion Ratio Lower Upper
63 100
65 31.6 25.9 38.9
106 26.6 20.6 30.8

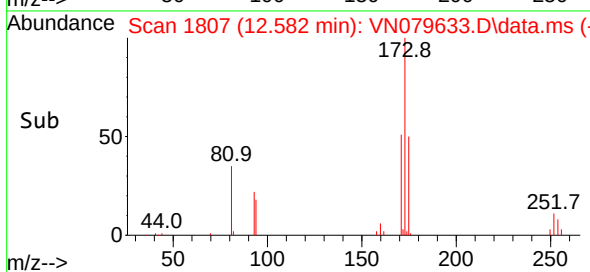
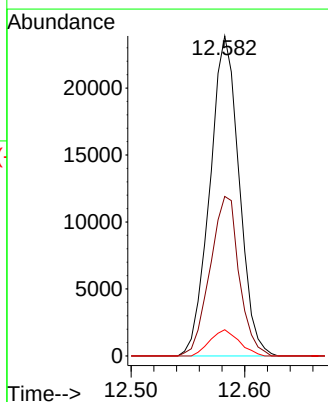
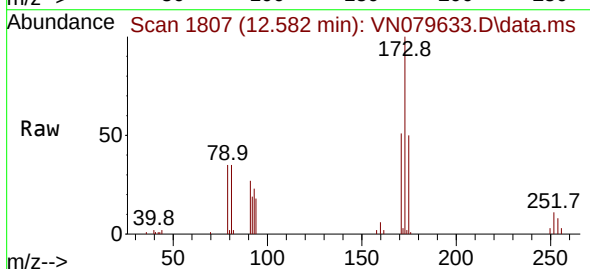
Manual Integrations
APPROVED

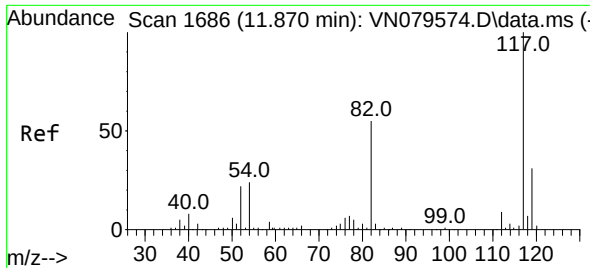
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#56
Bromoform
Concen: 20.723 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

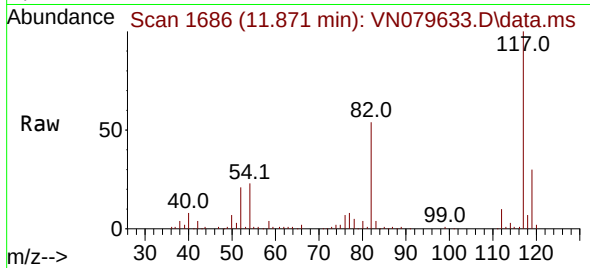
Tgt Ion:173 Resp: 42790
Ion Ratio Lower Upper
173 100
175 49.6 37.9 56.9
254 8.2 7.3 10.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

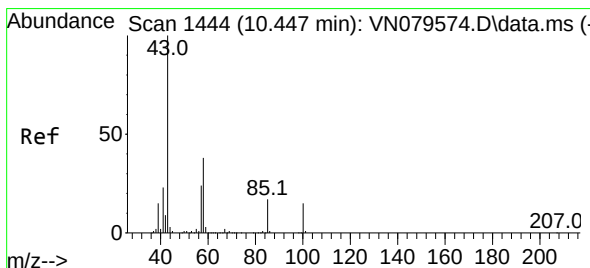
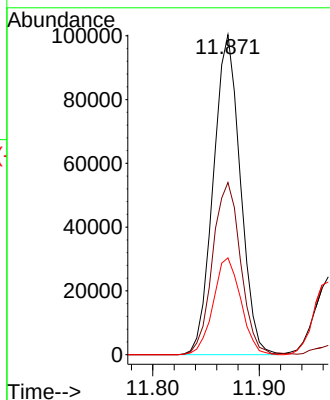
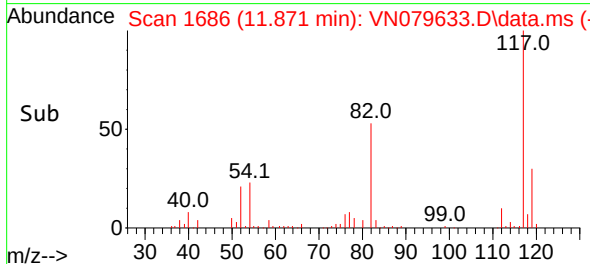
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



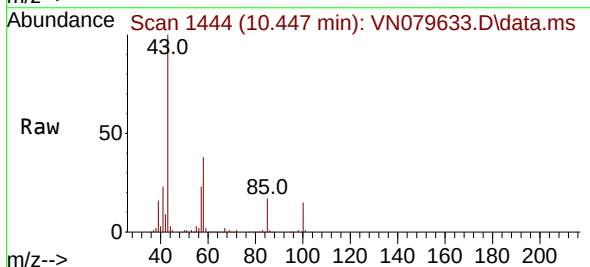
Tgt Ion: 117 Resp: 176690
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.2
119 30.9 25.2 37.8

Manual Integrations
APPROVED

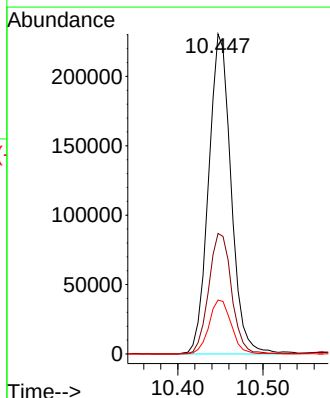
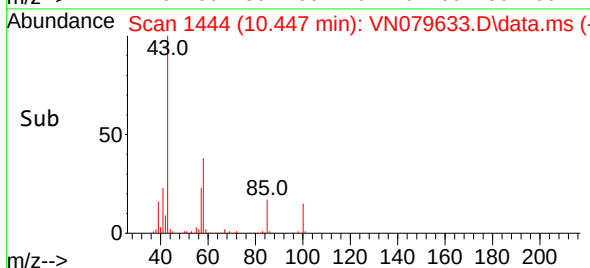
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

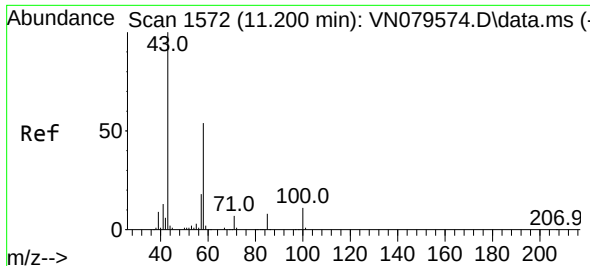


#58
4-Methyl-2-Pentanone
Concen: 102.399 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



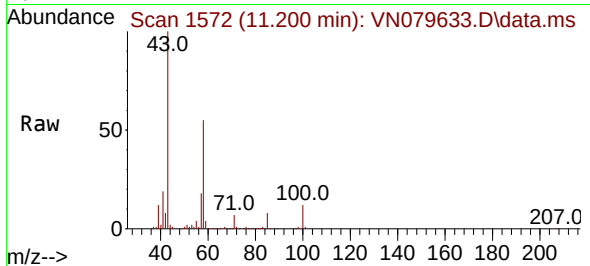
Tgt Ion: 43 Resp: 422025
Ion Ratio Lower Upper
43 100
58 38.4 30.4 45.6
85 16.8 13.2 19.8





#59
2-Hexanone
Concen: 97.097 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

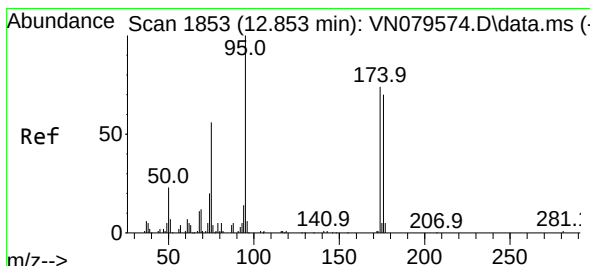
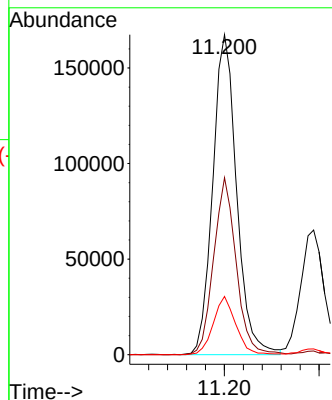
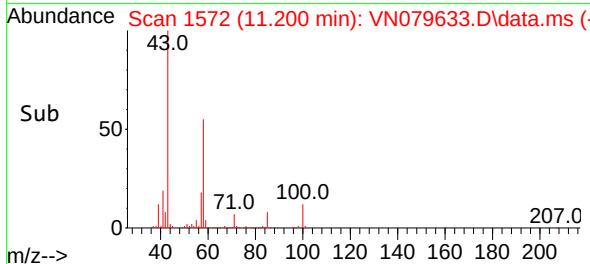
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 293578
Ion Ratio Lower Upper
43 100
58 52.2 42.3 63.5
57 17.2 13.9 20.9

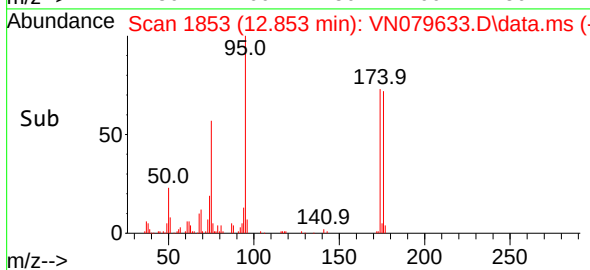
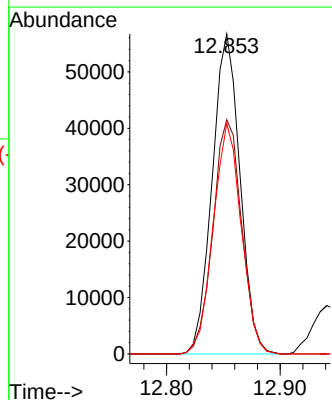
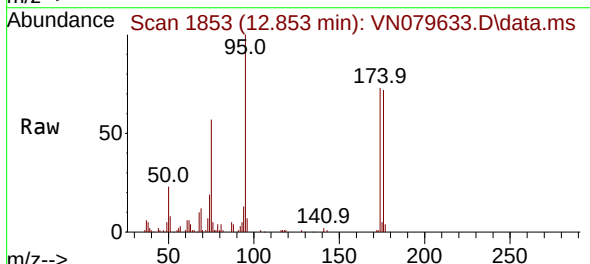
Manual Integrations
APPROVED

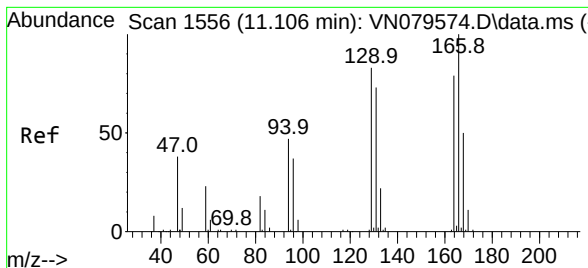
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#60
4-Bromofluorobenzene
Concen: 29.787 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

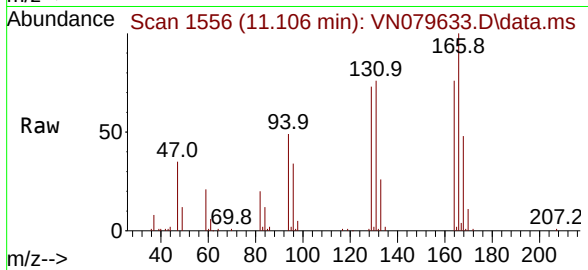
Tgt Ion: 95 Resp: 96251
Ion Ratio Lower Upper
95 100
174 75.5 60.5 90.7
176 73.0 57.2 85.8





#61
Tetrachloroethene
Concen: 20.279 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

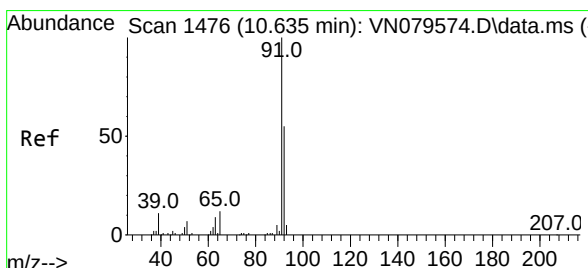
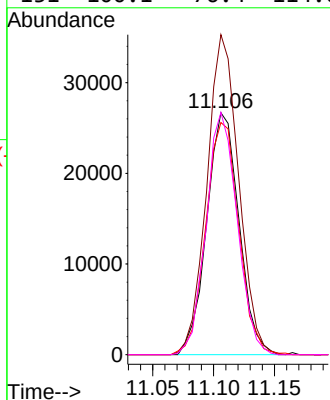
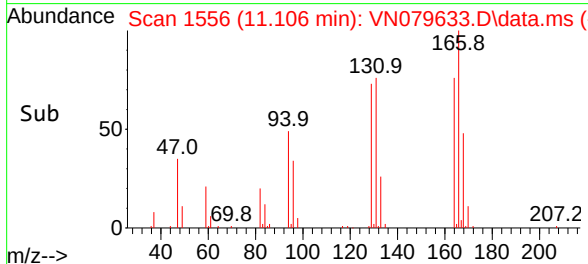
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



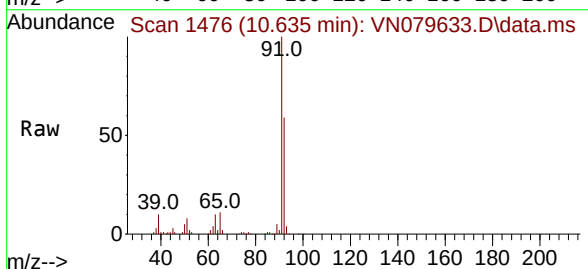
Tgt Ion:164 Resp: 49198
Ion Ratio Lower Upper
164 100
166 131.6 98.2 147.4
129 95.4 75.0 112.4
131 100.1 76.4 114.6

Manual Integrations
APPROVED

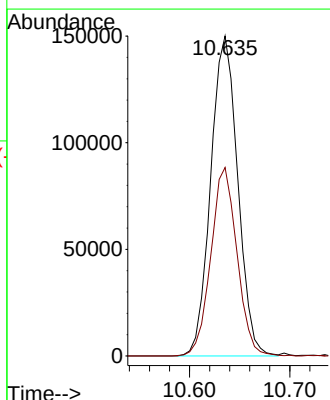
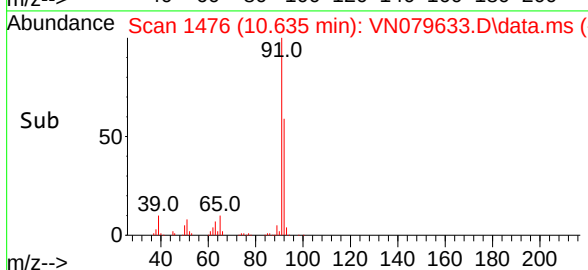
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

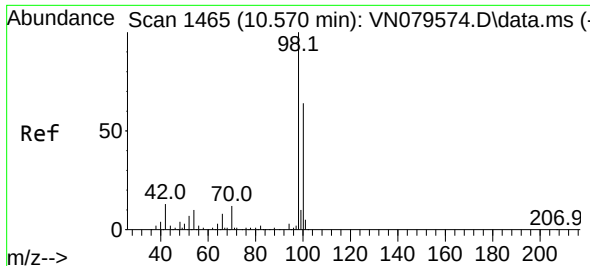


#62
Toluene
Concen: 20.790 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



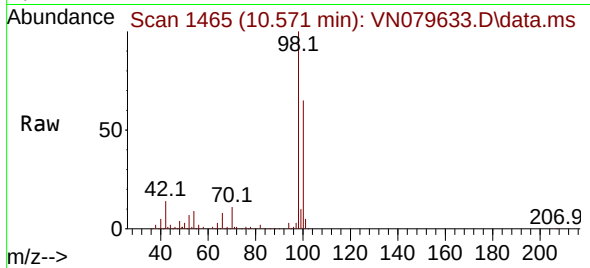
Tgt Ion: 91 Resp: 280754
Ion Ratio Lower Upper
91 100
92 57.0 45.3 67.9





#63
Toluene-d8
Concen: 29.921 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

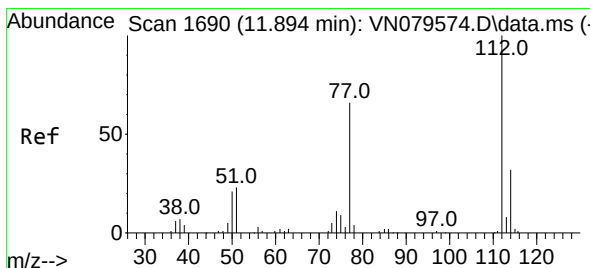
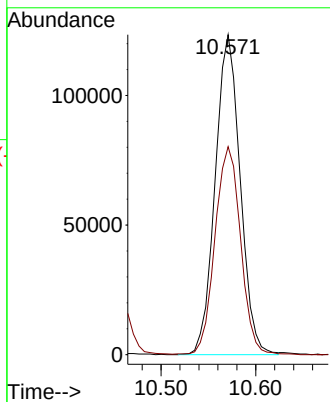
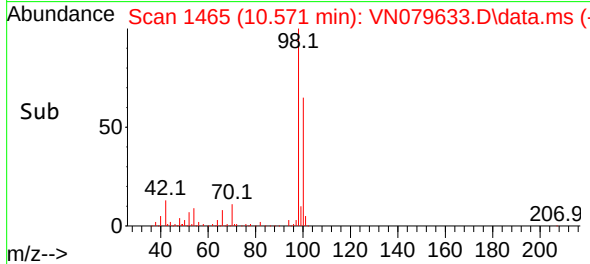
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 98 Resp: 22655
Ion Ratio Lower Upper
98 100
100 66.6 51.6 77.4

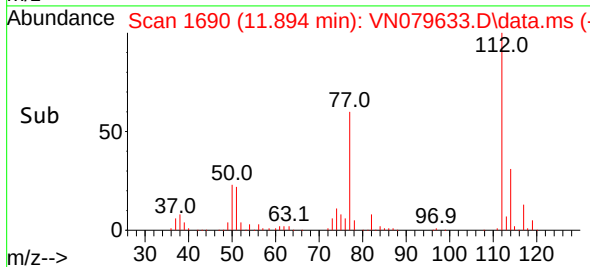
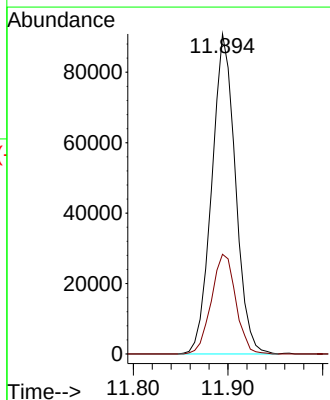
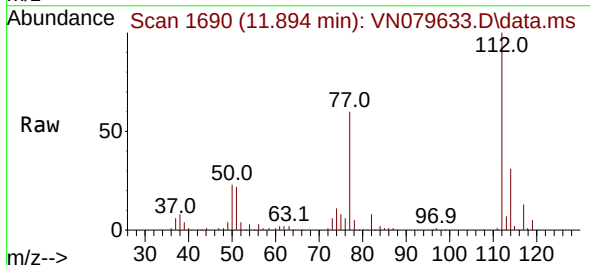
Manual Integrations
APPROVED

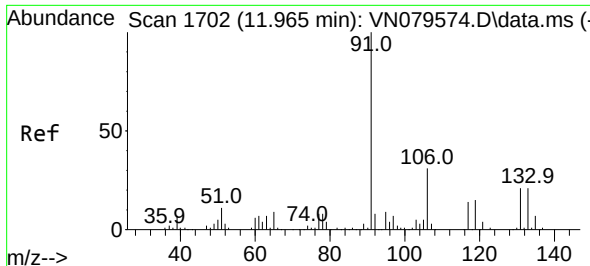
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#64
Chlorobenzene
Concen: 20.113 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

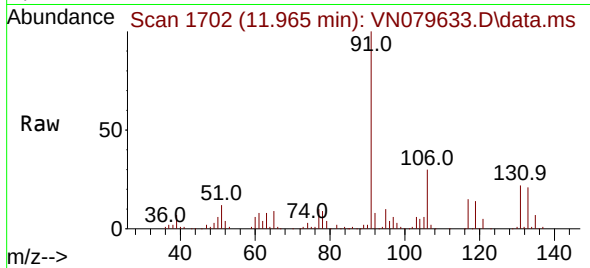
Tgt Ion:112 Resp: 157525
Ion Ratio Lower Upper
112 100
114 31.2 28.1 42.1





#65
1,1,1,2-Tetrachloroethane
Concen: 20.865 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

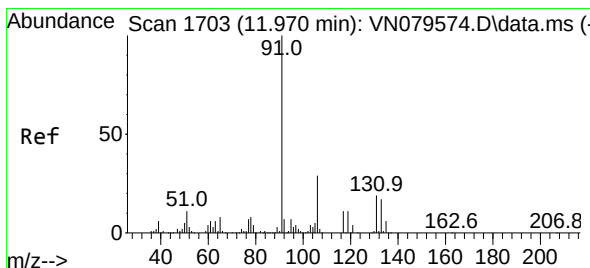
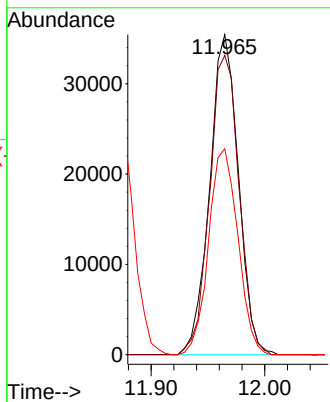
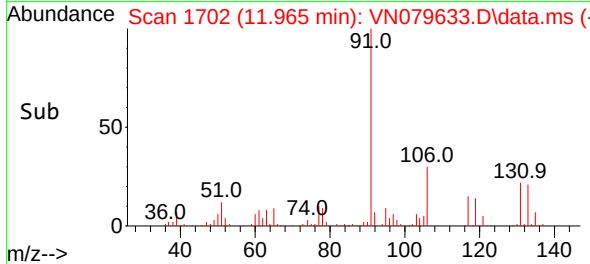
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



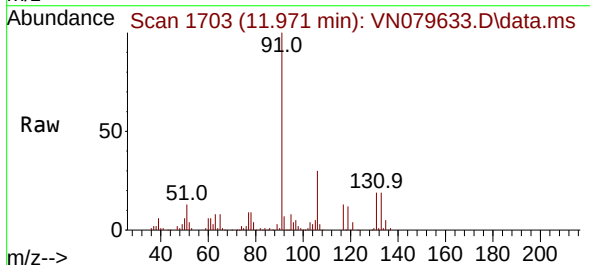
Tgt Ion:131 Resp: 6225
Ion Ratio Lower Upper
131 100
133 96.2 0.0 196.0
119 65.7 0.0 135.6

Manual Integrations
APPROVED

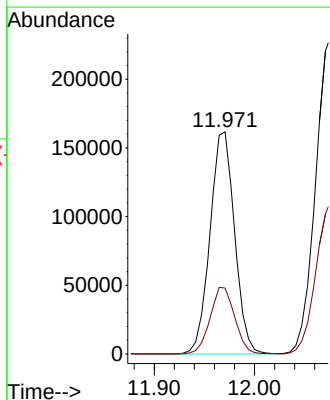
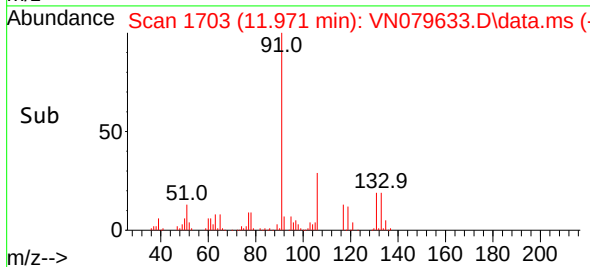
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

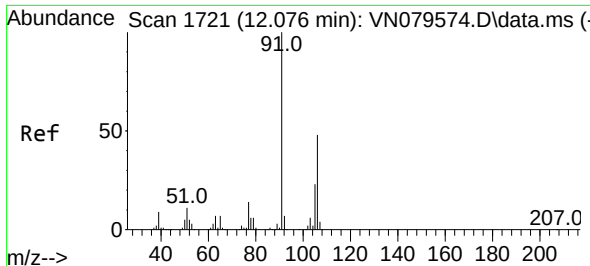


#66
Ethyl Benzene
Concen: 19.802 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



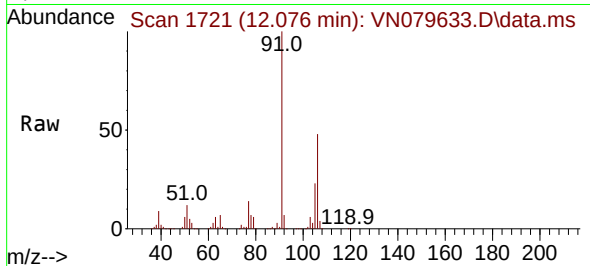
Tgt Ion: 91 Resp: 275517
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.8





#67
m/p-Xylenes
Concen: 40.986 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

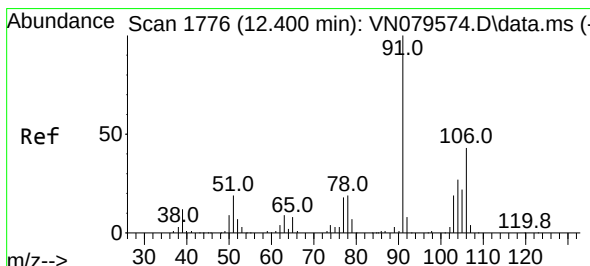
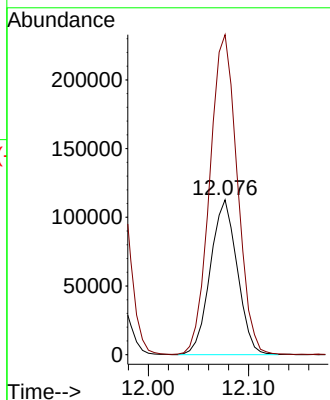
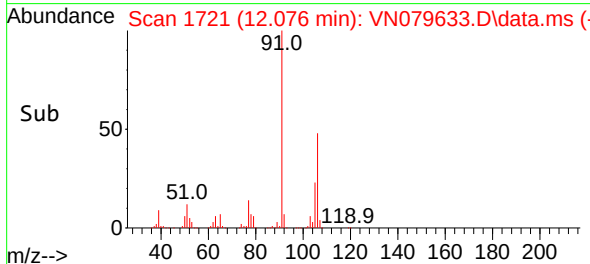
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



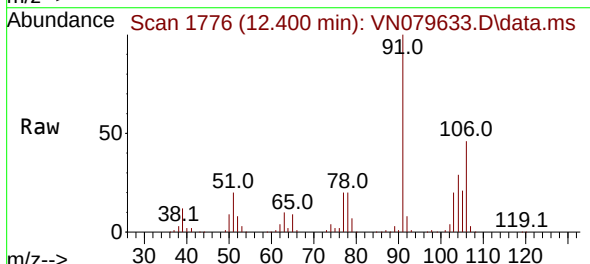
Tgt Ion:106 Resp: 21092
Ion Ratio Lower Upper
106 100
91 211.3 161.8 242.6

Manual Integrations
APPROVED

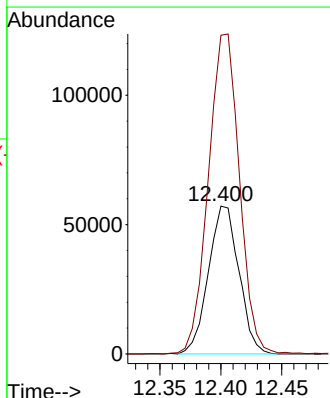
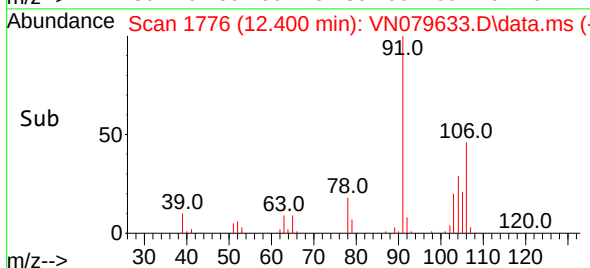
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

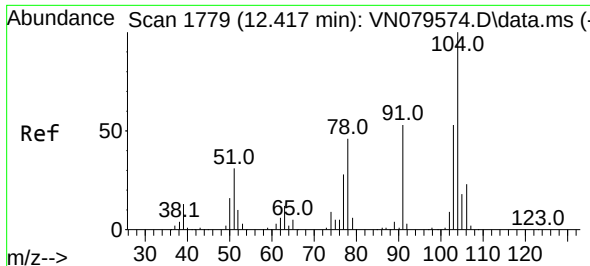


#68
o-Xylene
Concen: 20.267 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



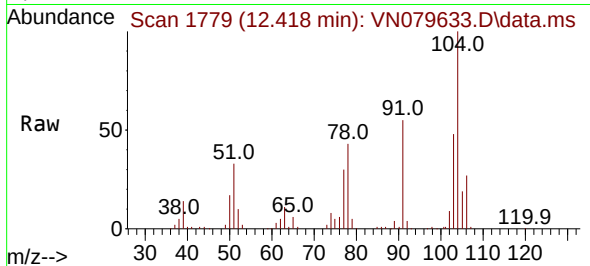
Tgt Ion:106 Resp: 99710
Ion Ratio Lower Upper
106 100
91 220.2 109.9 329.7





#69
Styrene
Concen: 21.071 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

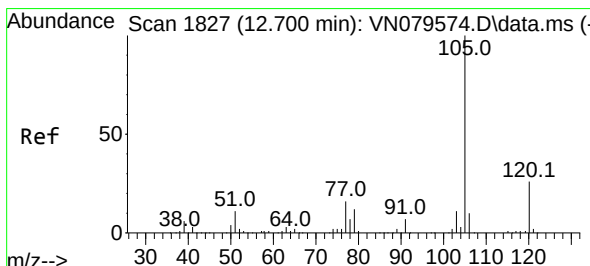
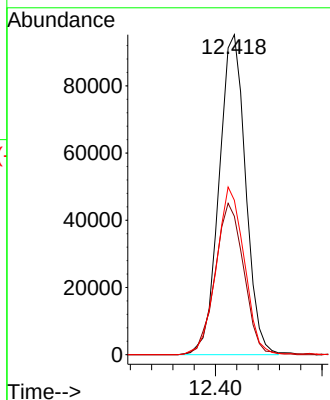
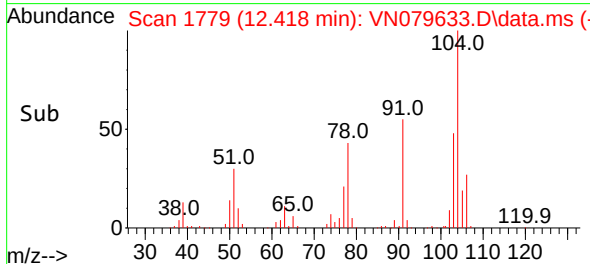
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



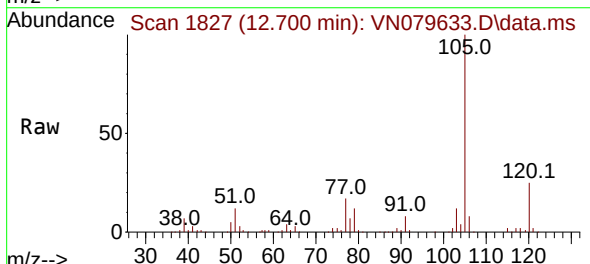
Tgt Ion:104 Resp: 164570
Ion Ratio Lower Upper
104 100
78 51.1 41.2 61.8
103 55.3 43.1 64.7

Manual Integrations
APPROVED

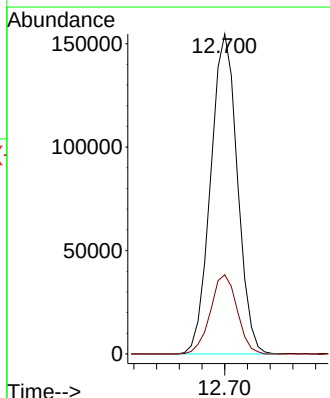
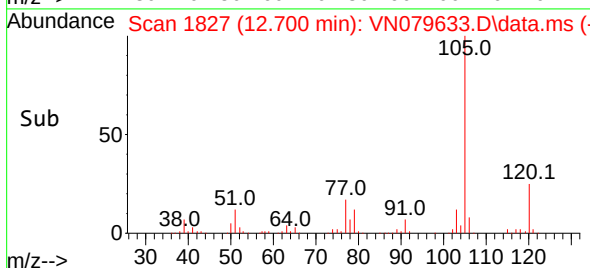
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

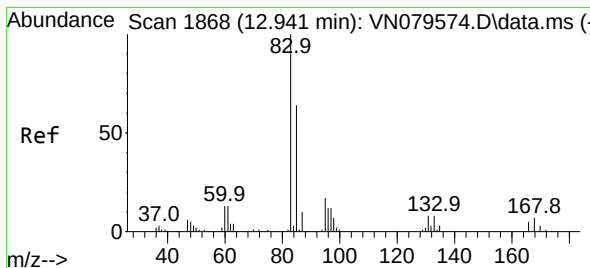


#70
Isopropylbenzene
Concen: 20.042 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



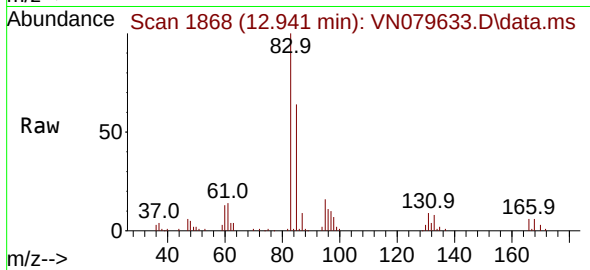
Tgt Ion:105 Resp: 253037
Ion Ratio Lower Upper
105 100
120 24.7 18.1 33.5





#71
1,1,2,2-Tetrachloroethane
Concen: 21.075 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

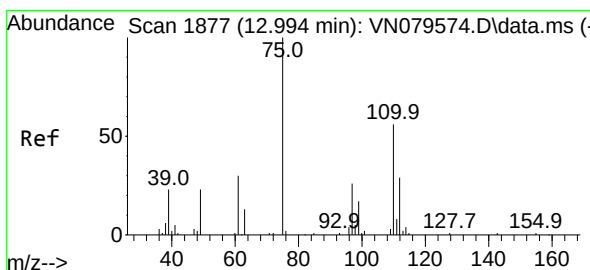
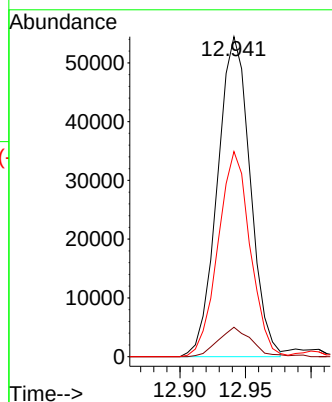
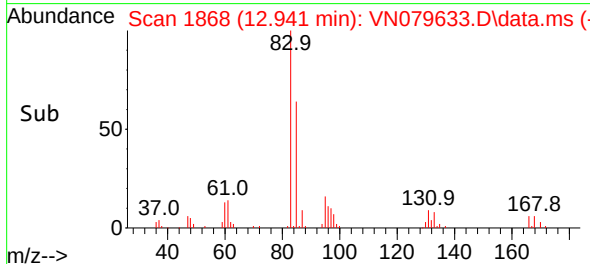
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 9461
Ion Ratio Lower Upper
83 100
131 9.3 4.5 13.4
85 62.9 32.1 96.3

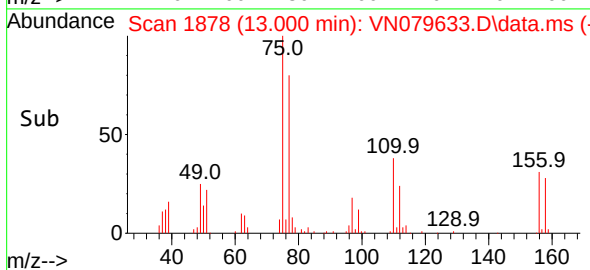
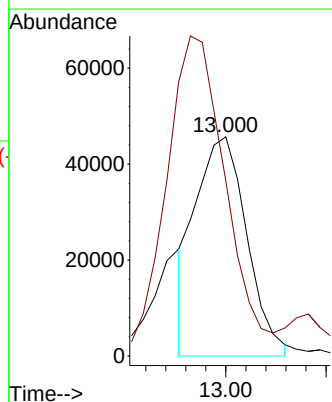
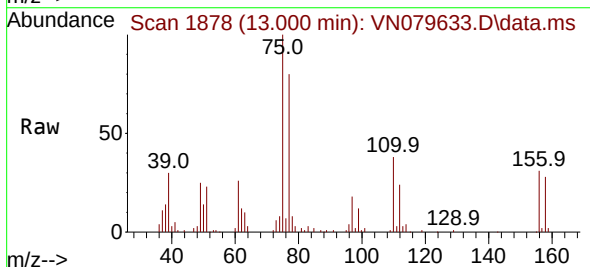
Manual Integrations
APPROVED

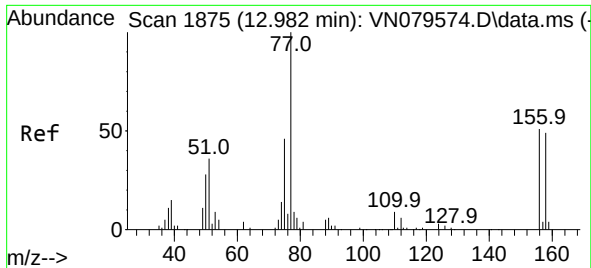
Reviewed By :John Carbone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#72
1,2,3-Trichloropropane
Concen: 19.979 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. 0.006 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

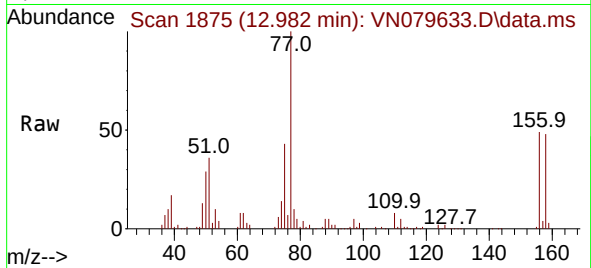
Tgt Ion: 75 Resp: 81451
Ion Ratio Lower Upper
75 100
77 168.6 0.0 338.2





#73
Bromobenzene
Concen: 20.404 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

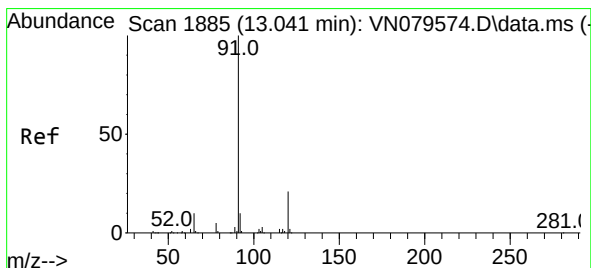
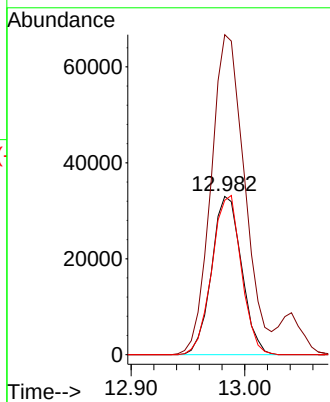
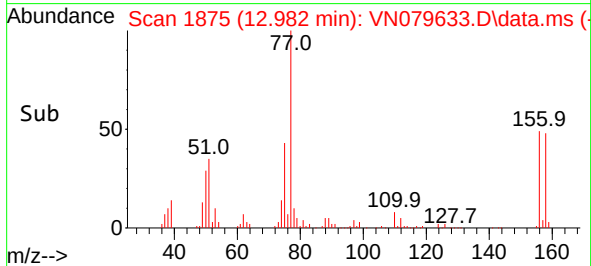
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



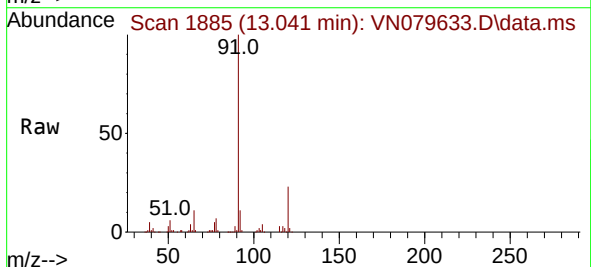
Tgt Ion:156 Resp: 60519
Ion Ratio Lower Upper
156 100
77 226.9 0.0 448.2
158 98.6 0.0 194.8

Manual Integrations
APPROVED

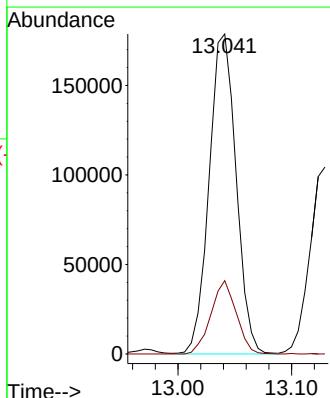
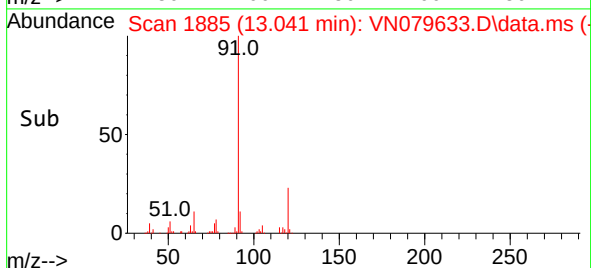
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

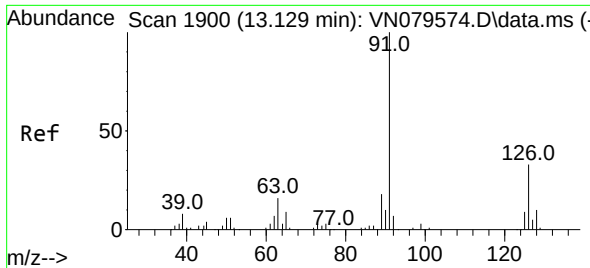


#74
n-propylbenzene
Concen: 20.093 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



Tgt Ion: 91 Resp: 295336
Ion Ratio Lower Upper
91 100
120 21.5 0.0 42.0





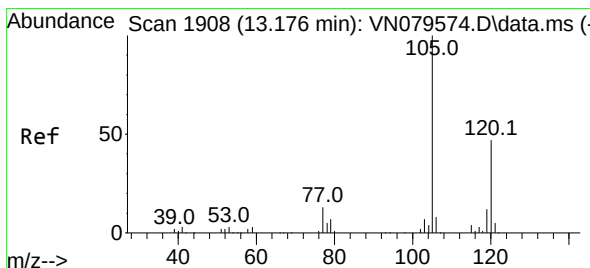
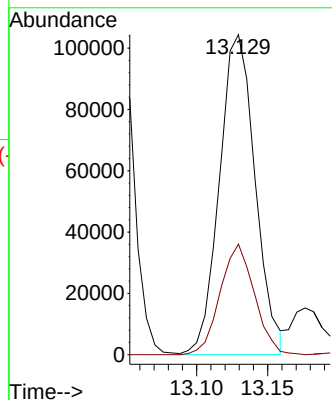
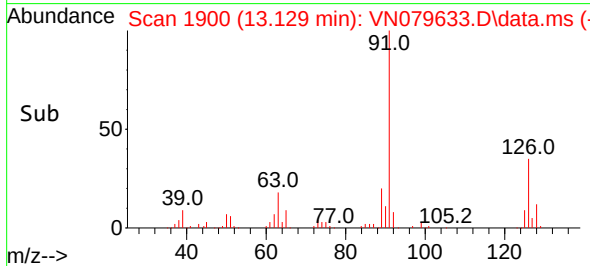
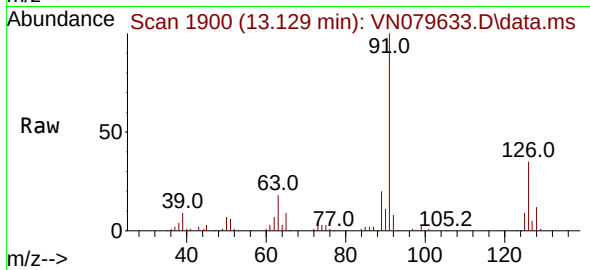
#75
2-Chlorotoluene
Concen: 20.023 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 182979
Ion Ratio Lower Upper
91 100
126 33.1 0.0 64.6

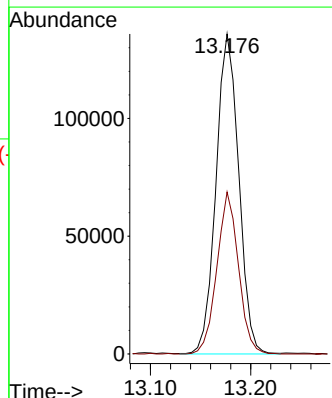
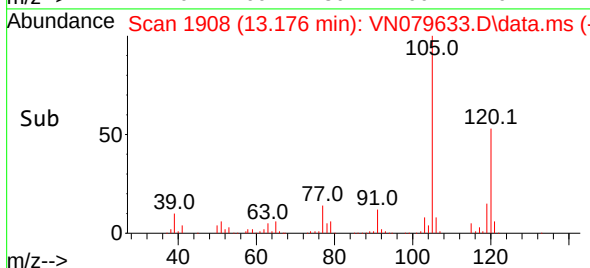
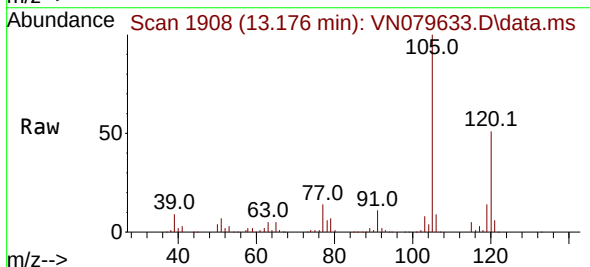
Manual Integrations
APPROVED

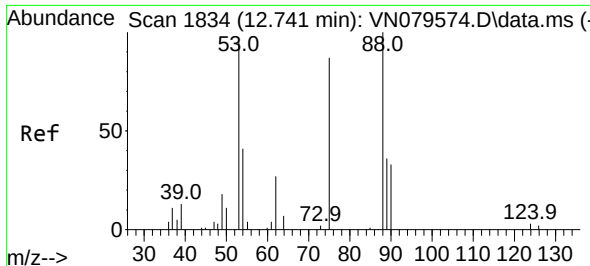
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#76
1,3,5-Trimethylbenzene
Concen: 20.726 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

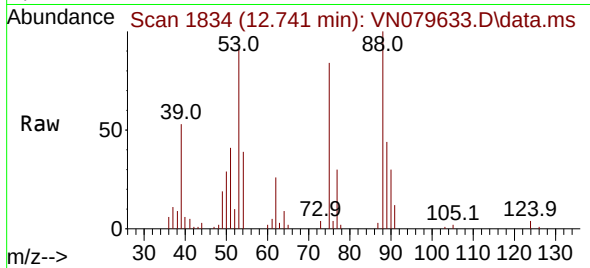
Tgt Ion:105 Resp: 213913
Ion Ratio Lower Upper
105 100
120 48.0 0.0 93.2





#77
t-1,4-Dichloro-2-butene
Concen: 19.185 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

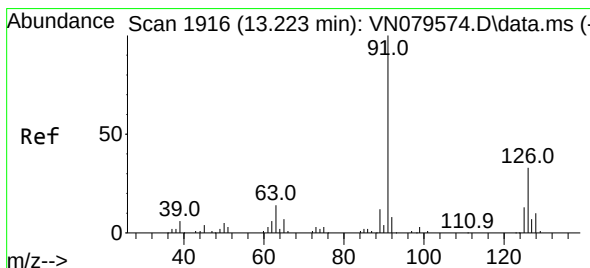
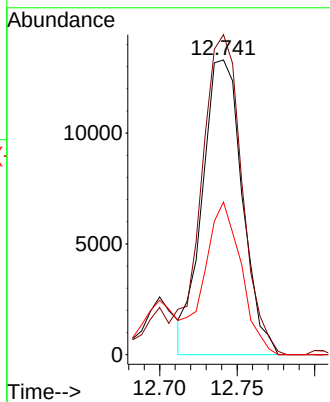
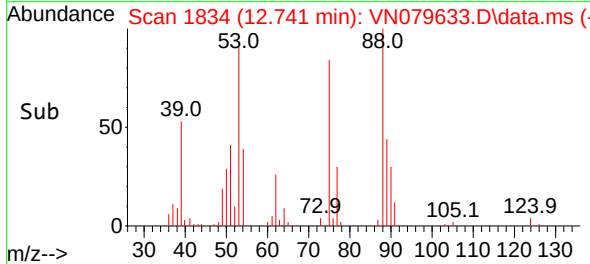
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 2387
Ion Ratio Lower Upper
75 100
53 107.4 53.0 159.1
89 51.8 22.6 67.7

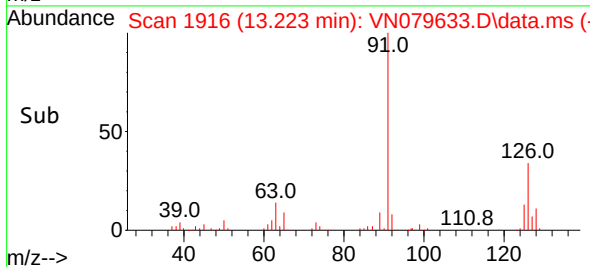
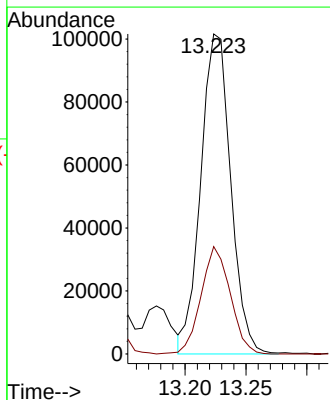
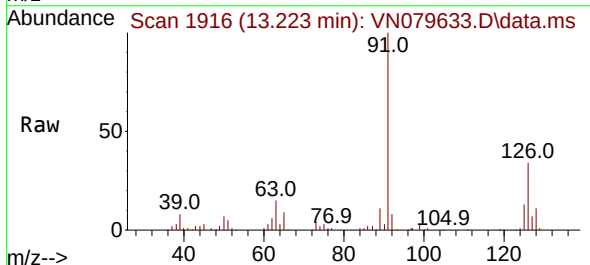
Manual Integrations
APPROVED

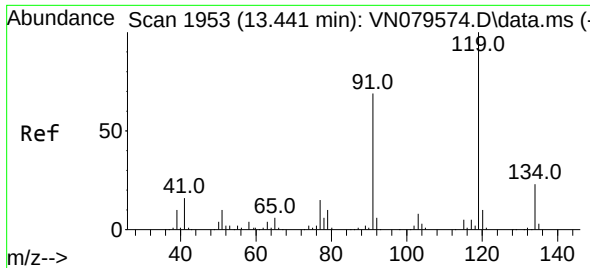
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#78
4-Chlorotoluene
Concen: 20.183 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

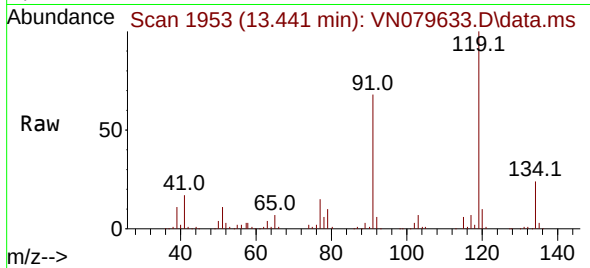
Tgt Ion: 91 Resp: 174255
Ion Ratio Lower Upper
91 100
126 32.6 0.0 65.4





#79
tert-butylbenzene
Concen: 20.112 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

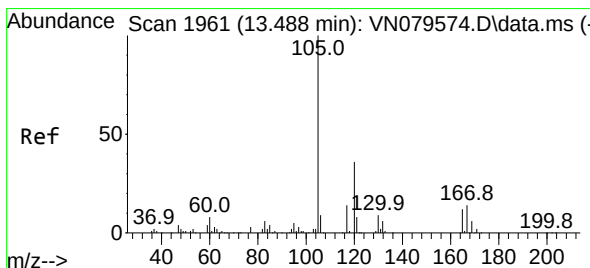
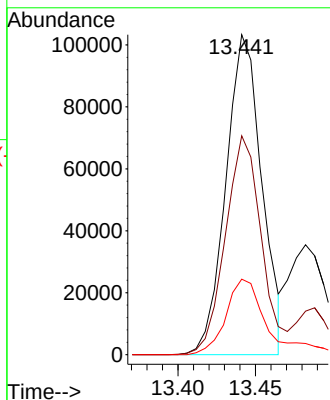
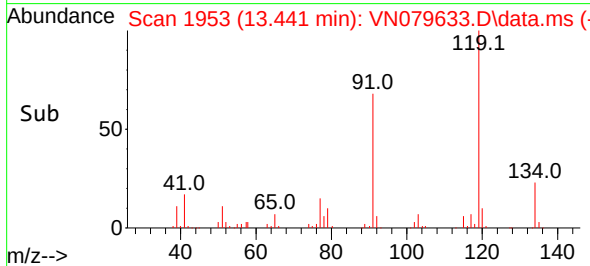
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



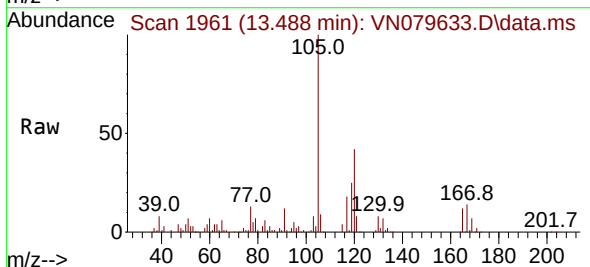
Tgt Ion:119 Resp: 166898
Ion Ratio Lower Upper
119 100
91 68.6 0.0 140.6
134 24.2 0.0 49.8

Manual Integrations
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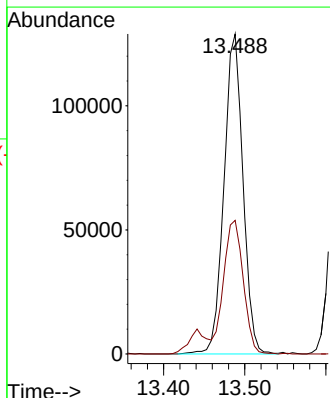
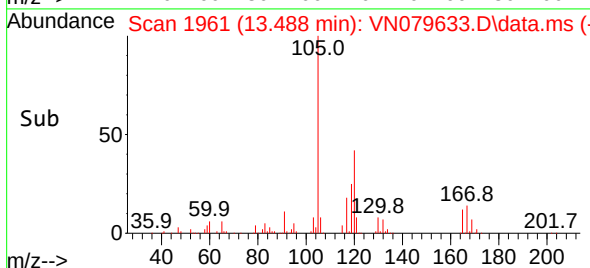
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

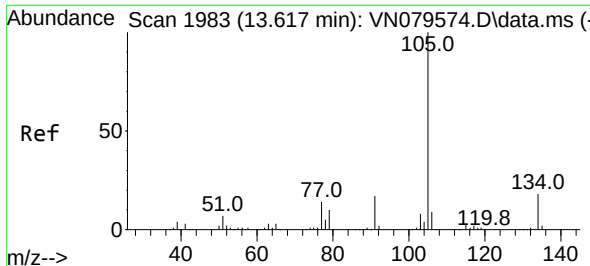


#80
1,2,4-Trimethylbenzene
Concen: 20.963 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



Tgt Ion:105 Resp: 209646
Ion Ratio Lower Upper
105 100
120 43.3 0.0 88.6





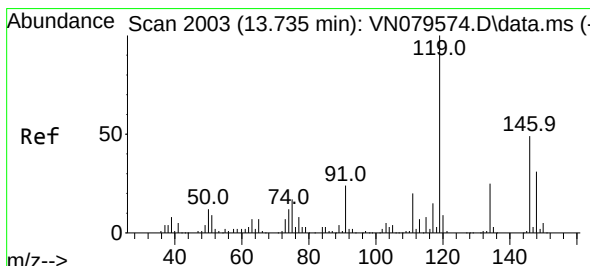
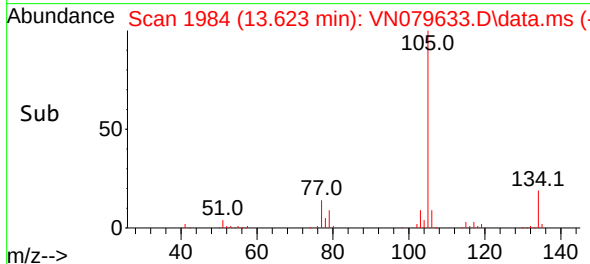
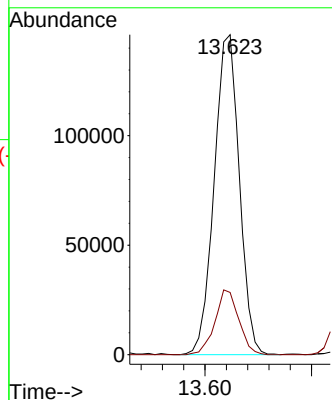
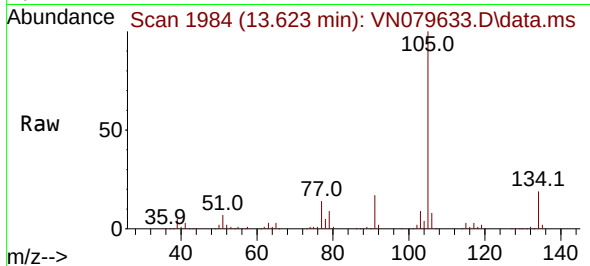
#81
 sec-Butylbenzene
 Concen: 20.496 ug/l
 RT: 13.623 min Scan# 1983
 Delta R.T. 0.006 min
 Lab File: VN079633.D
 Acq: 20 Oct 2023 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:105 Resp: 238775
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 38.2

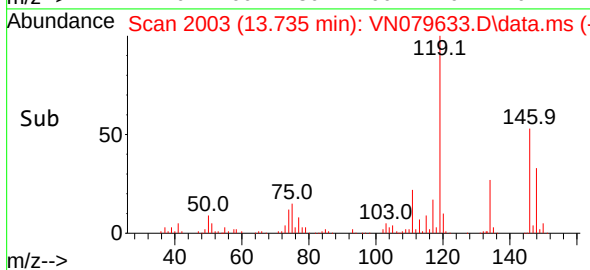
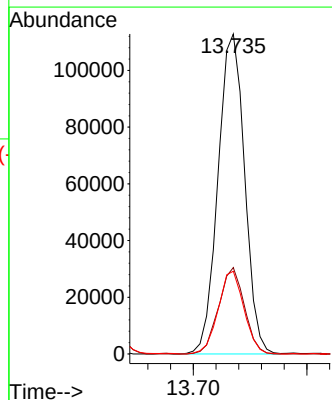
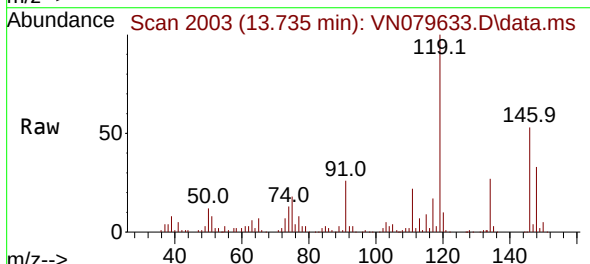
Manual Integrations
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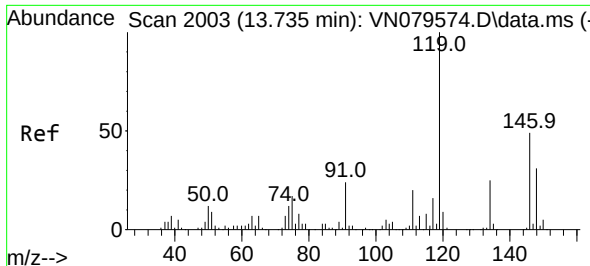
Reviewed By :John Carlone 10/23/2023
 Supervised By :Semsettin Yesilyurt 10/24/2023



#82
 p-Isopropyltoluene
 Concen: 19.875 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN079633.D
 Acq: 20 Oct 2023 17:57

Tgt Ion:119 Resp: 183665
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 52.2
 91 25.1 0.0 50.0





#83

1,3-Dichlorobenzene

Concen: 21.414 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN079633.D

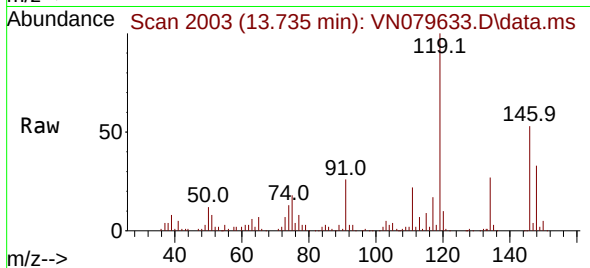
Acq: 20 Oct 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



Tgt Ion:146 Resp: 104430

Ion Ratio Lower Upper

146 100

111 39.3 21.0 63.0

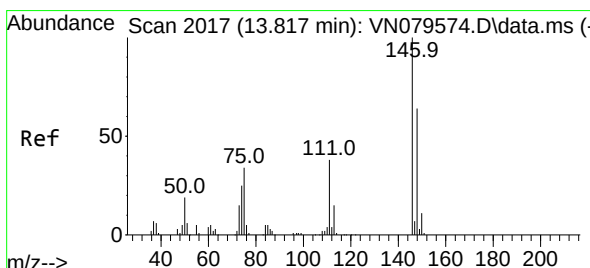
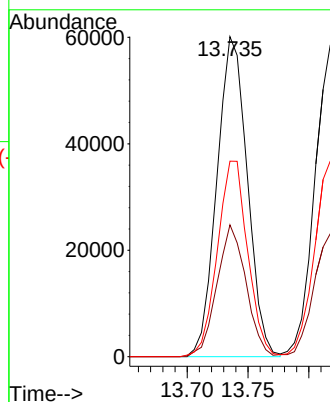
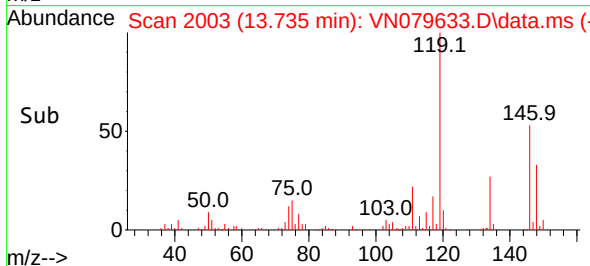
148 61.0 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#84

1,4-Dichlorobenzene

Concen: 20.141 ug/l

RT: 13.818 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

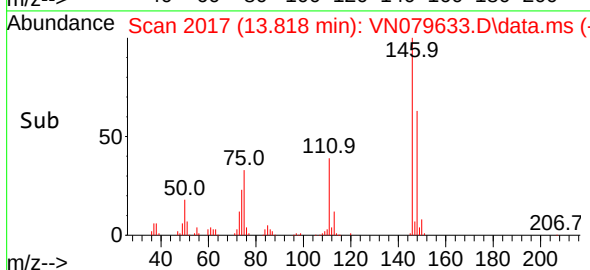
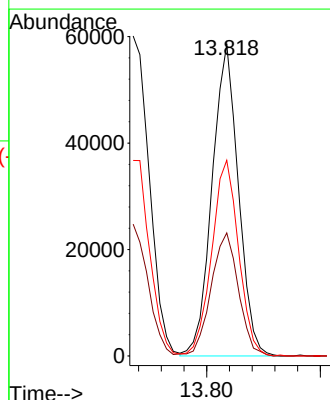
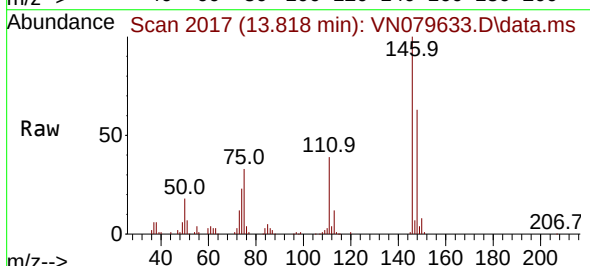
Tgt Ion:146 Resp: 94168

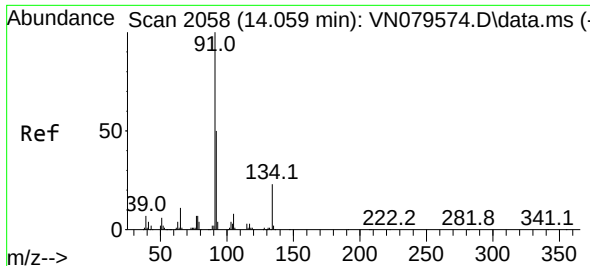
Ion Ratio Lower Upper

146 100

111 41.2 19.9 59.7

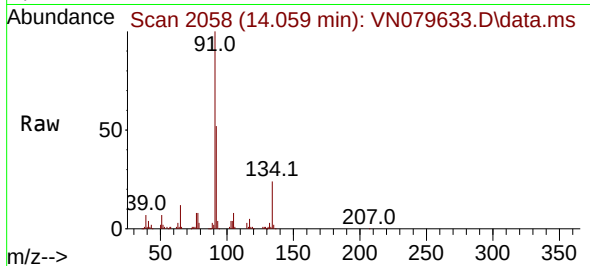
148 64.1 32.6 97.7





#85
n-Butylbenzene
Concen: 18.431 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

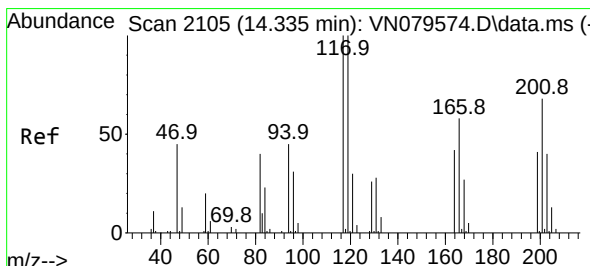
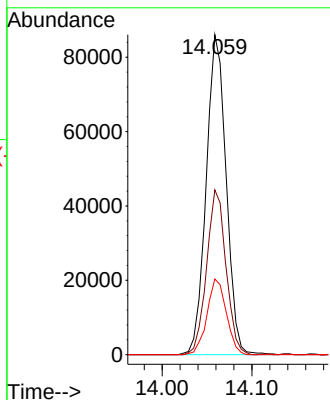
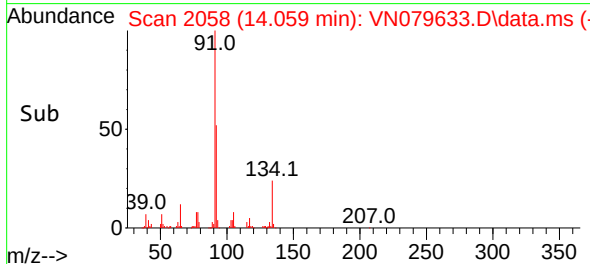
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 91 Resp: 133075
Ion Ratio Lower Upper
91 100
92 50.0 0.0 99.6
134 22.9 0.0 46.2

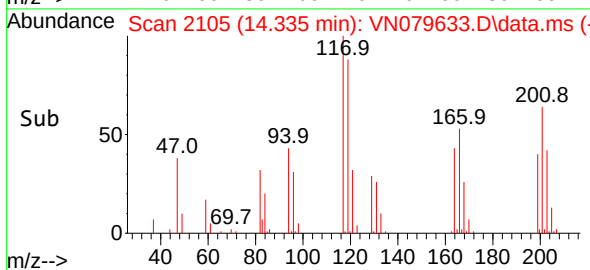
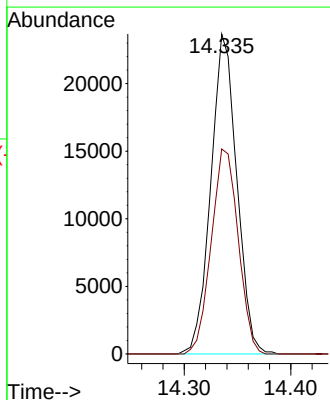
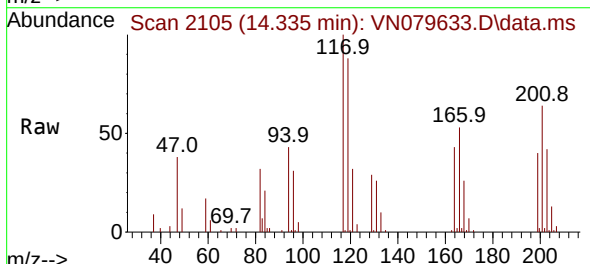
Manual Integrations
APPROVED

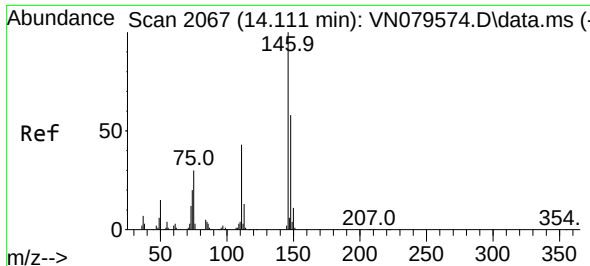
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#86
Hexachloroethane
Concen: 20.070 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

Tgt Ion:117 Resp: 40095
Ion Ratio Lower Upper
117 100
201 66.4 32.5 97.5





#87

1,2-Dichlorobenzene

Concen: 20.506 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.000 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

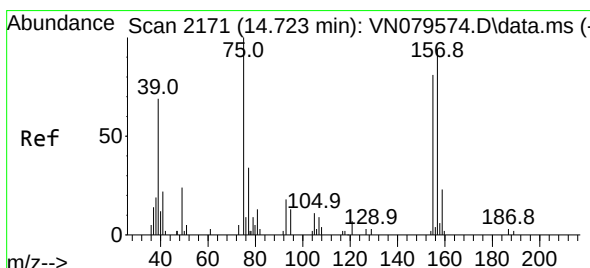
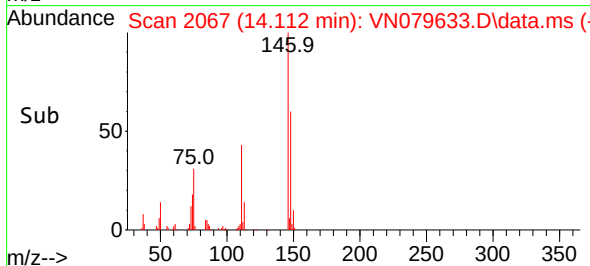
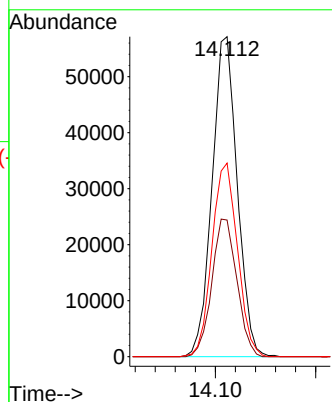
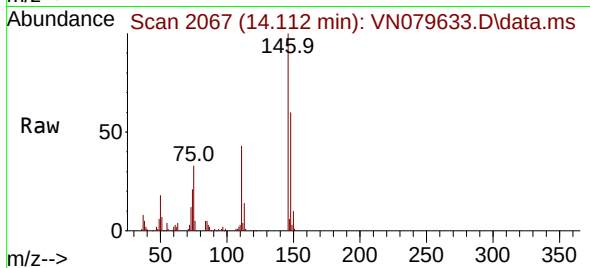
Tgt Ion:	146	Resp:	99400
Ion Ratio	Lower	Upper	
146	100		
111	42.8	22.0	66.0
148	61.4	31.1	93.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.111 ug/l

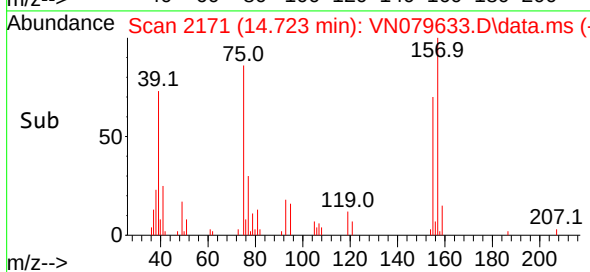
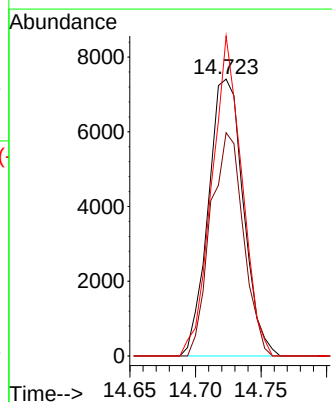
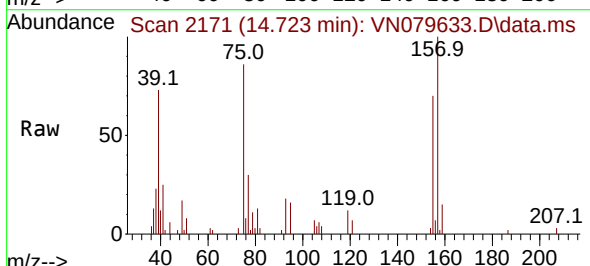
RT: 14.723 min Scan# 2171

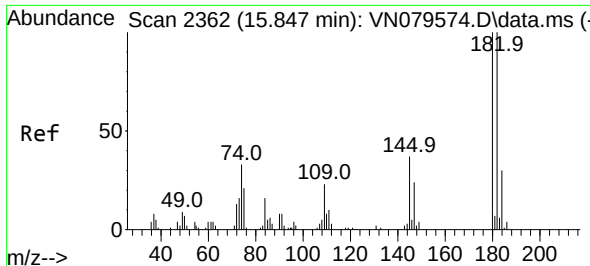
Delta R.T. 0.000 min

Lab File: VN079633.D

Acq: 20 Oct 2023 17:57

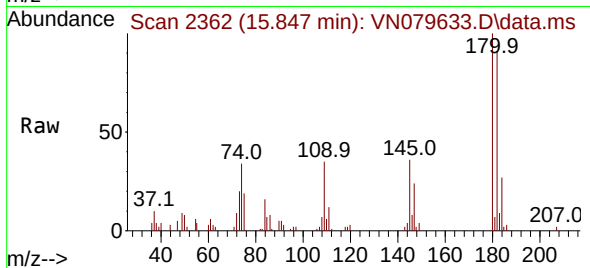
Tgt Ion:	75	Resp:	13757
Ion Ratio	Lower	Upper	
75	100		
155	75.6	60.7	91.1
157	99.1	76.8	115.2





#89
1,2,4-Trichlorobenzene
Concen: 16.246 ug/l
RT: 15.847 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

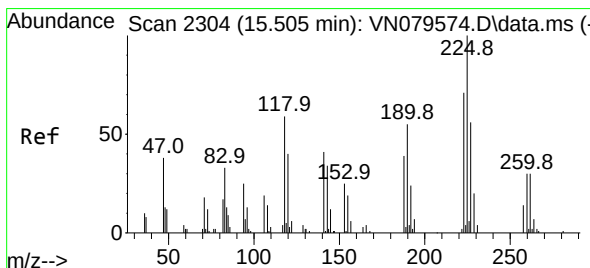
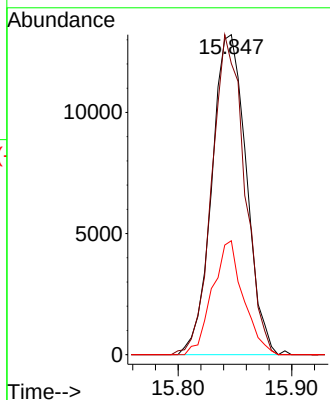
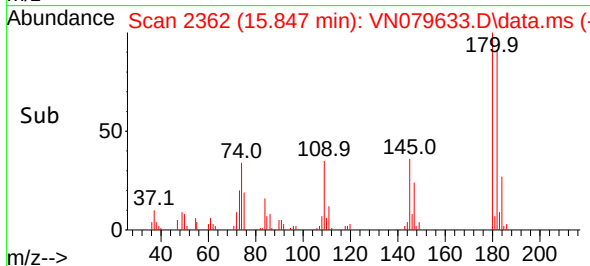
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



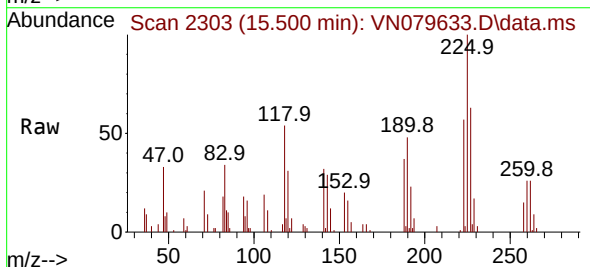
Tgt Ion:180 Resp: 27758
Ion Ratio Lower Upper
180 100
182 95.0 74.2 111.4
145 32.1 25.4 38.2

Manual Integrations
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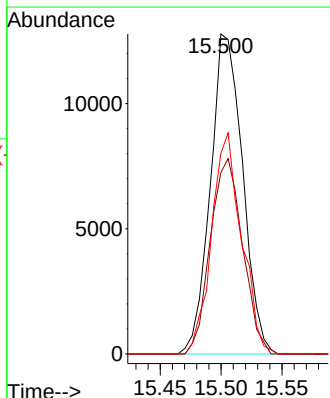
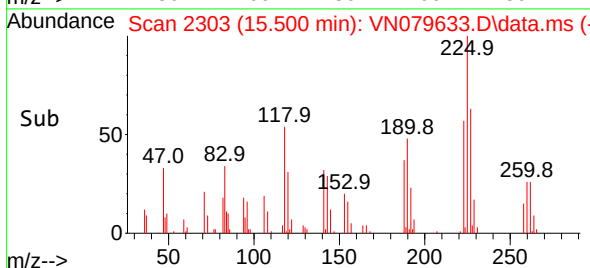
Reviewed By :John Carbone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

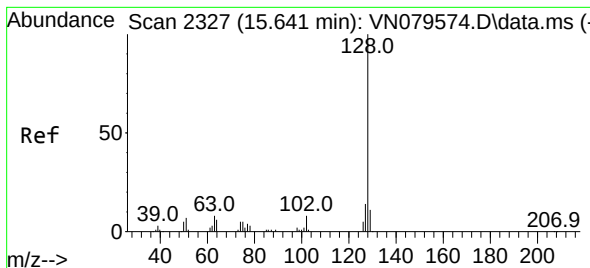


#90
Hexachlorobutadiene
Concen: 19.443 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



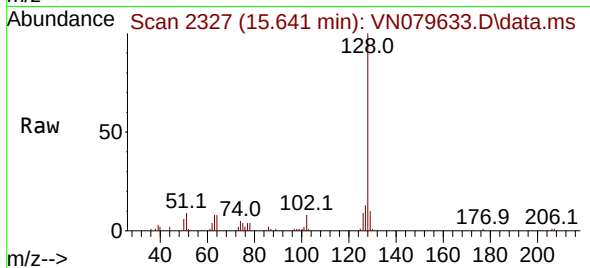
Tgt Ion:225 Resp: 23531
Ion Ratio Lower Upper
225 100
223 61.1 0.0 126.0
227 64.2 0.0 127.0





#91
Naphthalene
Concen: 13.261 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57

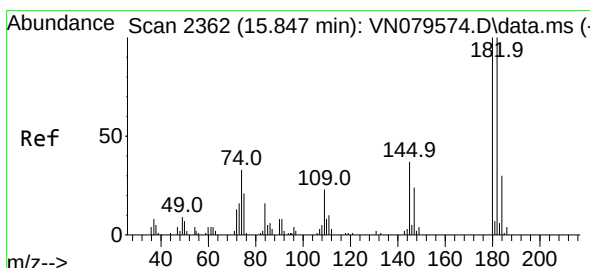
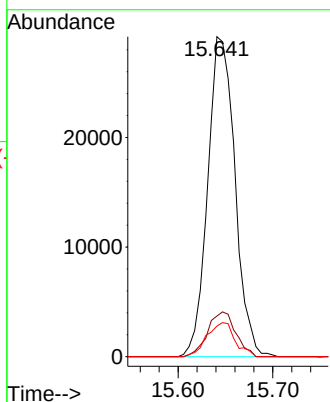
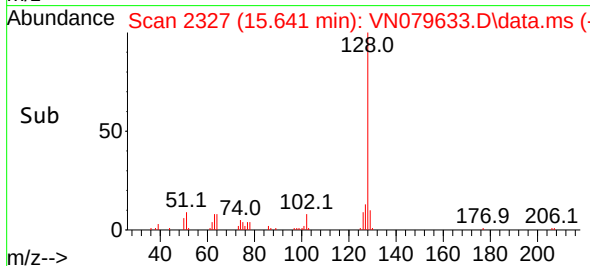
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



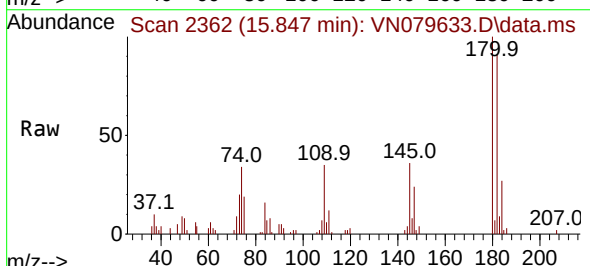
Tgt Ion:128 Resp: 58449
Ion Ratio Lower Upper
128 100
127 14.4 10.9 16.3
129 11.0 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#92
1,2,3-Trichlorobenzene
Concen: 16.246 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.000 min
Lab File: VN079633.D
Acq: 20 Oct 2023 17:57



Tgt Ion:180 Resp: 27758
Ion Ratio Lower Upper
180 100
182 95.0 0.0 185.6
145 32.1 0.0 63.6

