

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
 Data File : VN079619.D
 Acq On : 20 Oct 2023 10:54
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

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

Quant Time: Oct 20 23:45:48 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	7.812	128	20416	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	141502	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	175525	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	87083	30.001	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.000%	
60) 4-Bromofluorobenzene	12.853	95	101383	31.585	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 105.267%	
63) Toluene-d8	10.570	98	233649	31.065	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.533%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	57437	19.400	ug/l	95
3) Chloromethane	2.365	50	75529	19.683	ug/l	98
4) Vinyl Chloride	2.518	62	81481	19.674	ug/l	96
5) Bromomethane	2.965	94	45522	17.728	ug/l	97
6) Chloroethane	3.130	64	60021	20.591	ug/l	96
7) Trichlorofluoromethane	3.500	101	101416	20.068	ug/l	95
8) Diethyl Ether	3.971	74	35074	19.150	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	58384	20.193	ug/l	98
10) 1,1-Dichloroethene	4.341	96	53585	19.479	ug/l	90
11) Methyl Iodide	4.589	142	58650	19.257	ug/l	92
12) Methyl Acetate	5.030	43	133396	20.115	ug/l	99
13) Acrolein	4.183	56	53971	98.453	ug/l	99
14) Acrylonitrile	5.724	53	160134	100.833	ug/l	98
15) Acetone	4.430	58	51500	102.369	ug/l	78
16) Carbon Disulfide	4.718	76	156626	18.672	ug/l	100
17) Allyl chloride	5.030	41	76677m	18.079	ug/l	
18) Methylene Chloride	5.283	84	70785	20.906	ug/l	92
19) trans-1,2-Dichloroethene	5.794	96	62151	20.195	ug/l	92
20) Diisopropyl ether	6.671	45	206952	20.579	ug/l	92
21) 1,1-Dichloroethane	6.577	63	126777	20.745	ug/l	98
22) cis-1,2-Dichloroethene	7.494	96	69887	19.716	ug/l	98
23) tert-Butyl Alcohol	5.524	59	45847	86.333	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	180203	19.524	ug/l	100
25) Chloroform	7.971	83	130724	21.170	ug/l	89
26) Cyclohexane	8.265	56	85765	18.566	ug/l #	95
29) 1,1-Dichloropropene	8.377	75	87889	21.254	ug/l	98
30) 2-Butanone	7.488	43	222712	107.445	ug/l	100
31) 2,2-Dichloropropane	7.488	77	95184	20.415	ug/l #	78
32) 1,1,1-Trichloroethane	8.171	97	105017	21.367	ug/l	98
33) Carbon Tetrachloride	8.371	117	92024	22.015	ug/l	98
34) Benzene	8.612	78	274891	21.880	ug/l	98
35) Methacrylonitrile	7.788	41	47244	21.667	ug/l	92
36) 1,2-Dichloroethane	8.677	62	99157	22.104	ug/l	98
37) Trichloroethene	9.359	130	61544	20.956	ug/l	98
38) Methylcyclohexane	9.606	83	77199	19.390	ug/l	99
39) 1,2-Dichloropropane	9.623	63	73648	22.213	ug/l	99
40) Dibromomethane	9.712	93	50100	23.025	ug/l	98
41) Bromodichloromethane	9.894	83	101046	22.408	ug/l	98
42) Vinyl Acetate	6.612	43	542617	103.196	ug/l	99

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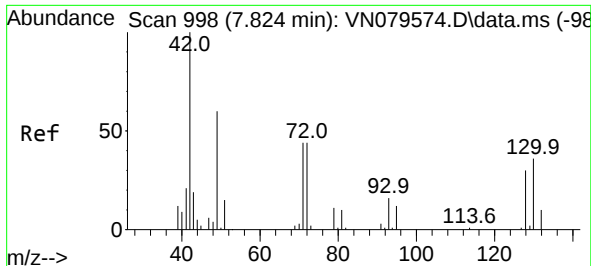
Quant Time: Oct 20 23:45:48 2023
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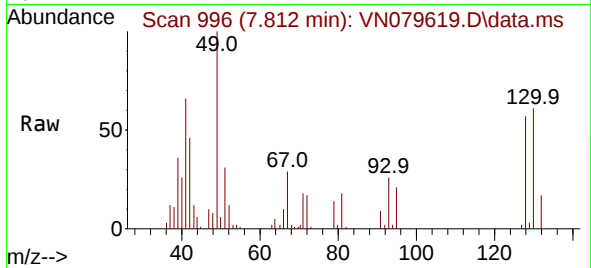
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43) Ethyl Acetate	7.565	43	90480	23.214	ug/l	96
44) Isopropyl Acetate	8.694	43	143497	20.711	ug/l	97
45) 1,4-Dioxane	9.700	88	22384	412.714	ug/l #	95
46) Methyl methacrylate	9.682	41	64027	20.829	ug/l	97
47) n-amyl Acetate	12.500	43	100922	20.182	ug/l	96
48) t-1,3-Dichloropropene	10.841	75	94596	20.751	ug/l	100
49) cis-1,3-Dichloropropene	10.318	75	105466	21.158	ug/l	98
50) 1,1,2-Trichloroethane	11.018	97	69874	23.148	ug/l	96
51) Ethyl methacrylate	10.876	69	88168	21.171	ug/l	95
52) 1,3-Dichloropropane	11.165	76	119297	22.309	ug/l	99
53) Dibromochloromethane	11.365	129	70440	22.833	ug/l	99
54) 1,2-Dibromoethane	11.476	107	64408	21.628	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	151665	95.450	ug/l	99
56) Bromoform	12.582	173	44884	21.992	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	449797	109.866	ug/l	100
59) 2-Hexanone	11.200	43	319724	106.450	ug/l	98
61) Tetrachloroethene	11.106	164	51906	21.538	ug/l	97
62) Toluene	10.635	91	290177	21.631	ug/l	100
64) Chlorobenzene	11.894	112	164106	21.093	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.965	131	63744	21.508	ug/l	98
66) Ethyl Benzene	11.970	91	285046	20.623	ug/l	97
67) m/p-Xylenes	12.076	106	220748	43.181	ug/l	97
68) o-Xylene	12.406	106	102984	21.073	ug/l	98
69) Styrene	12.417	104	171248	22.073	ug/l	98
70) Isopropylbenzene	12.700	105	260974	20.808	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	99424	22.295	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	88928m	21.959	ug/l	
73) Bromobenzene	12.982	156	63400	21.519	ug/l	98
74) n-propylbenzene	13.041	91	307836	21.083	ug/l	97
75) 2-Chlorotoluene	13.129	91	192075	21.159	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	218553	21.317	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	25371	20.527	ug/l	93
78) 4-Chlorotoluene	13.223	91	182069	21.228	ug/l	99
79) tert-butylbenzene	13.441	119	171276	20.778	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	214356	21.577	ug/l	99
81) sec-Butylbenzene	13.623	105	246369	21.289	ug/l	100
82) p-Isopropyltoluene	13.735	119	188513	20.536	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	105456	21.767	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	98010	21.102	ug/l	99
85) n-Butylbenzene	14.059	91	136359	19.012	ug/l	98
86) Hexachloroethane	14.341	117	42345	21.337	ug/l	99
87) 1,2-Dichlorobenzene	14.111	146	104568	21.715	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	14714	21.654	ug/l	99
89) 1,2,4-Trichlorobenzene	15.841	180	28841	16.992	ug/l	98
90) Hexachlorobutadiene	15.505	225	24586	20.450	ug/l	94
91) Naphthalene	15.647	128	59929	13.688	ug/l #	95
92) 1,2,3-Trichlorobenzene	15.841	180	28841	16.992	ug/l	98

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

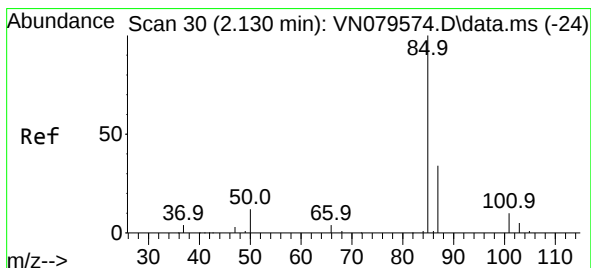
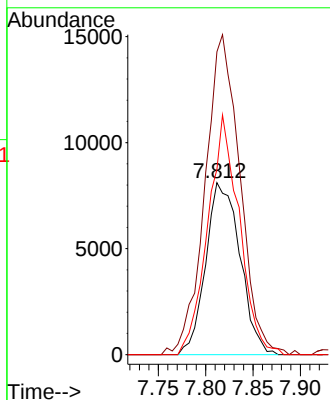
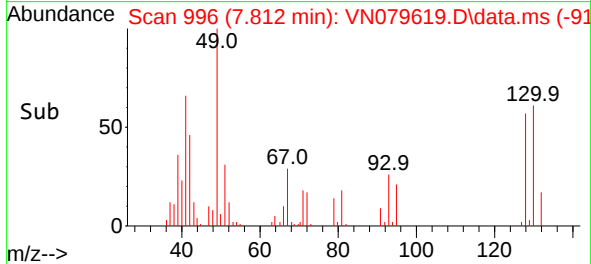
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 20410
Ion Ratio Lower Upper
128 100
49 189.5 0.0 468.5
130 127.6 0.0 320.7

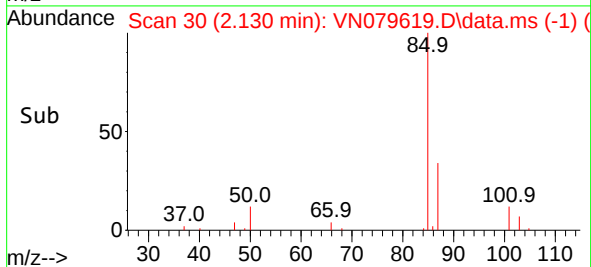
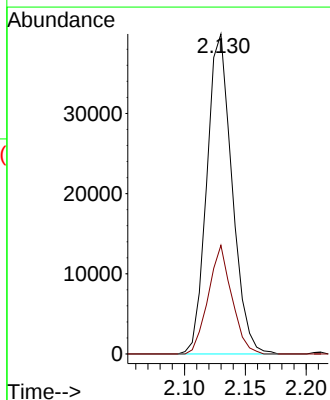
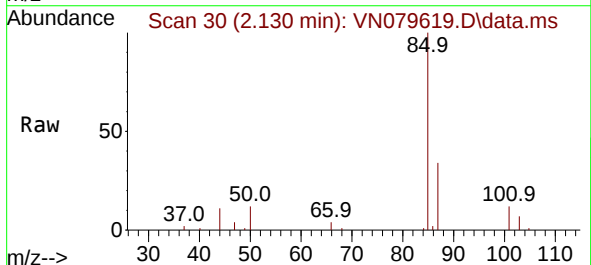
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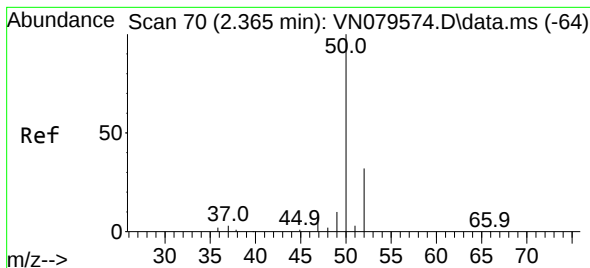
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#2
Dichlorodifluoromethane
Concen: 19.400 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Tgt Ion: 85 Resp: 57437
Ion Ratio Lower Upper
85 100
87 34.0 15.6 46.7





#3

Chloromethane

Concen: 19.683 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 50 Resp: 75529

Ion Ratio Lower Upper

50 100

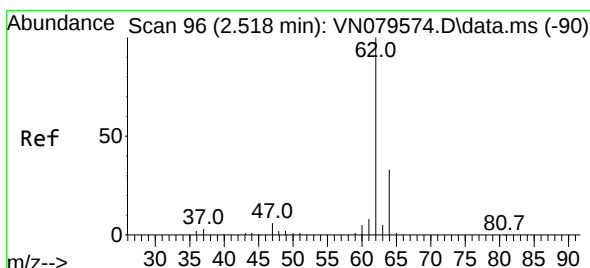
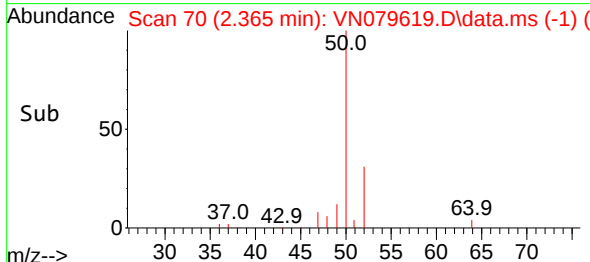
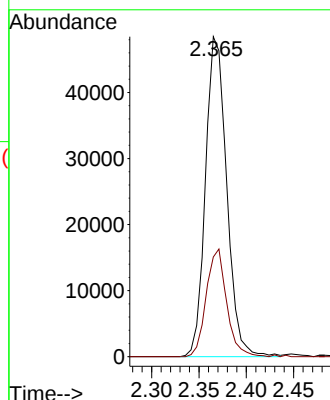
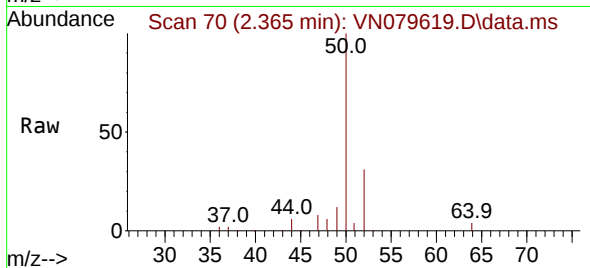
52 31.1 25.6 38.4

Manual Integrations

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Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#4

Vinyl Chloride

Concen: 19.674 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.000 min

Lab File: VN079619.D

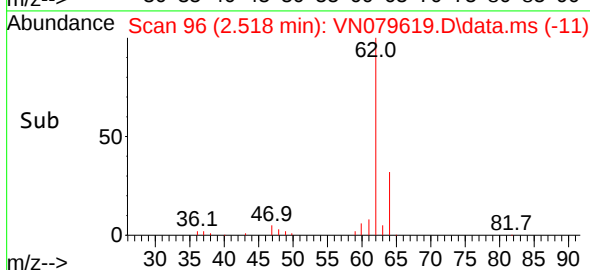
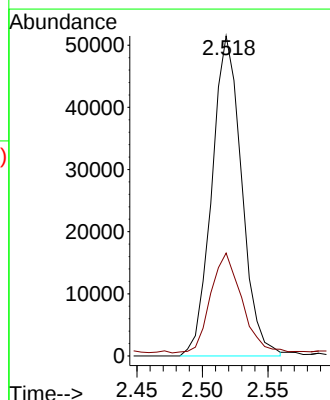
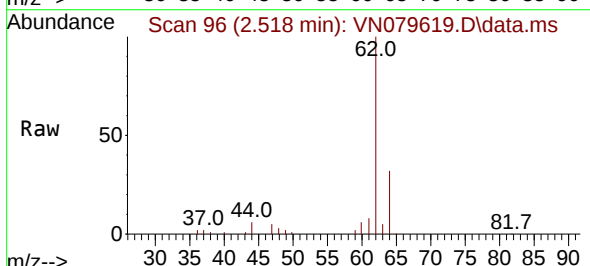
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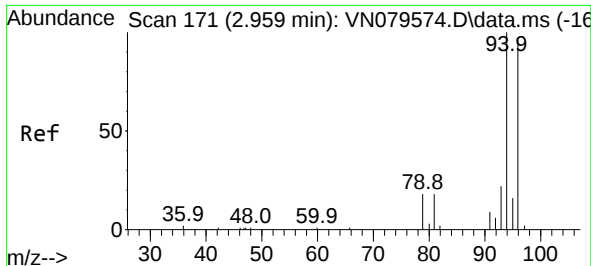
Tgt Ion: 62 Resp: 81481

Ion Ratio Lower Upper

62 100

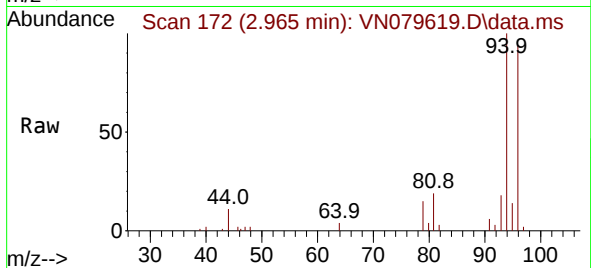
64 30.9 26.4 39.6





#5
Bromomethane
Concen: 17.728 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

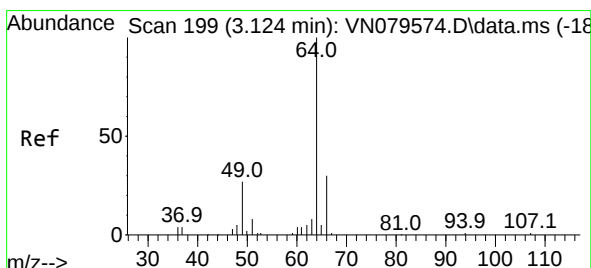
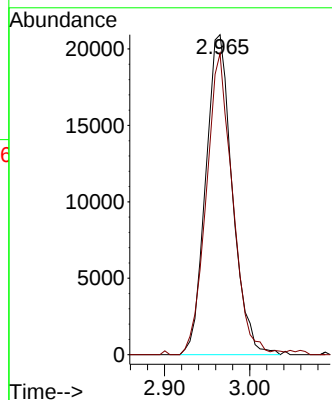
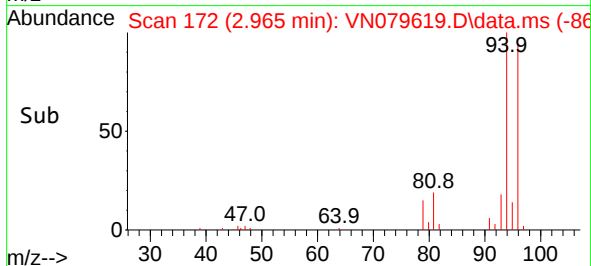
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 94 Resp: 4552
Ion Ratio Lower Upper
94 100
96 94.1 77.8 116.6

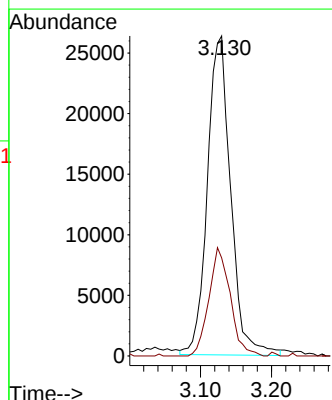
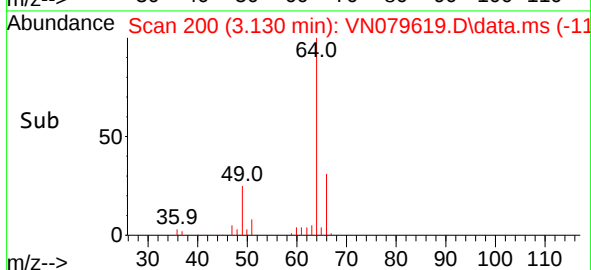
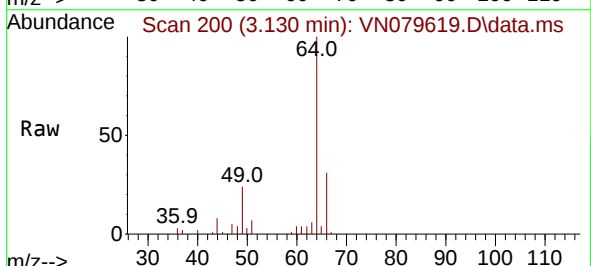
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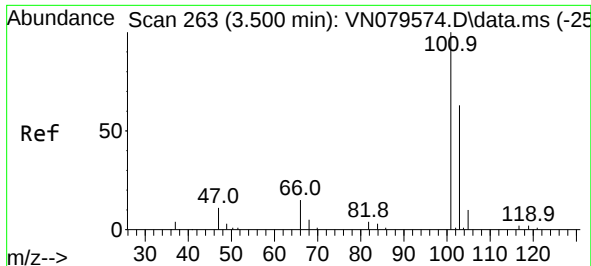
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#6
Chloroethane
Concen: 20.591 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

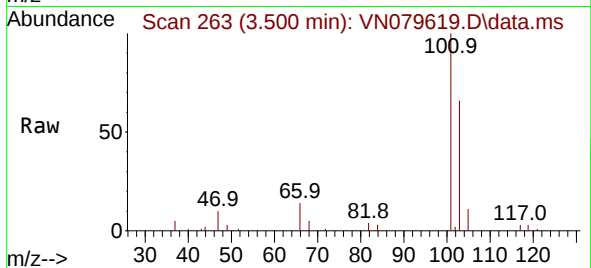
Tgt Ion: 64 Resp: 60021
Ion Ratio Lower Upper
64 100
66 31.2 23.3 34.9





#7
 Trichlorofluoromethane
 Concen: 20.068 ug/l
 RT: 3.500 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN079619.D
 Acq: 20 Oct 2023 10:54

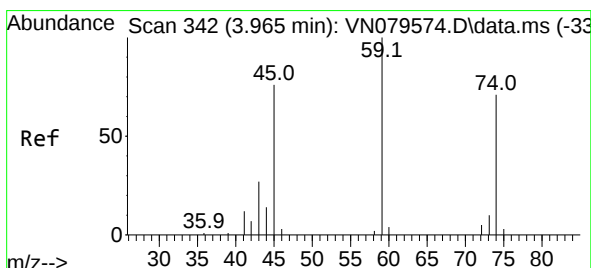
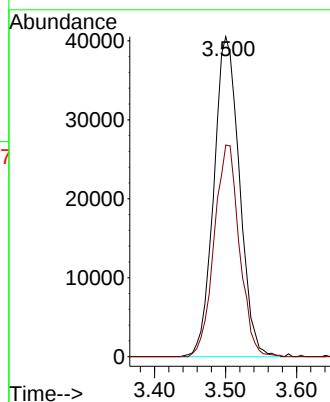
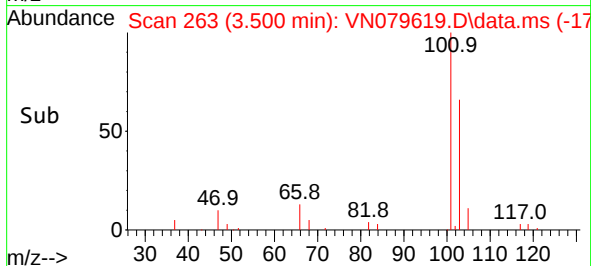
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Tgt Ion:101 Resp: 101410
 Ion Ratio Lower Upper
 101 100
 103 66.2 49.9 74.9

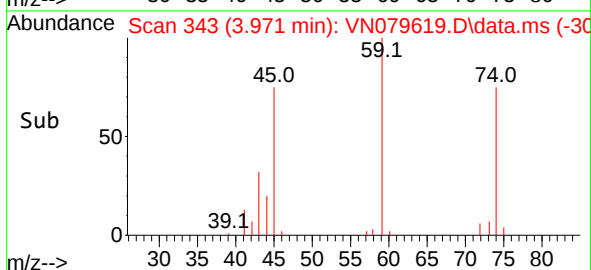
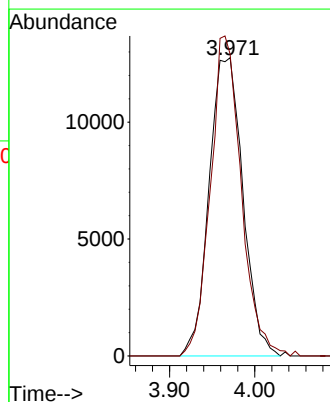
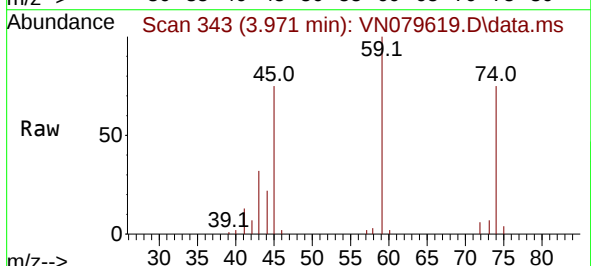
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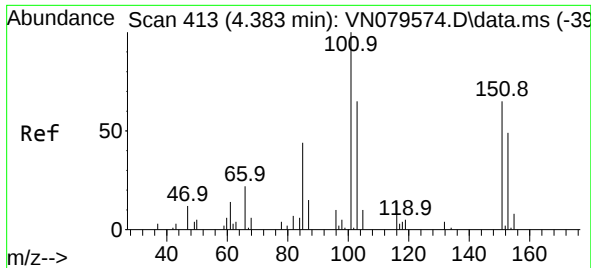
Reviewed By :John Carlone 10/23/2023
 Supervised By :Semsettin Yesilyurt 10/24/2023



#8
 Diethyl Ether
 Concen: 19.150 ug/l
 RT: 3.971 min Scan# 343
 Delta R.T. 0.006 min
 Lab File: VN079619.D
 Acq: 20 Oct 2023 10:54

Tgt Ion: 74 Resp: 35074
 Ion Ratio Lower Upper
 74 100
 45 98.0 19.0 171.0





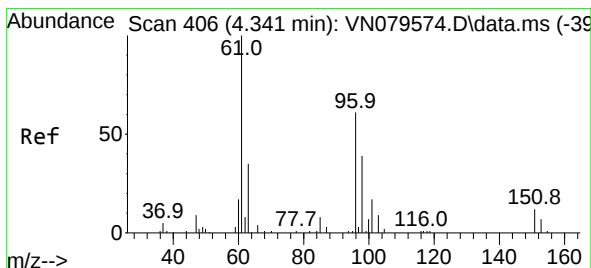
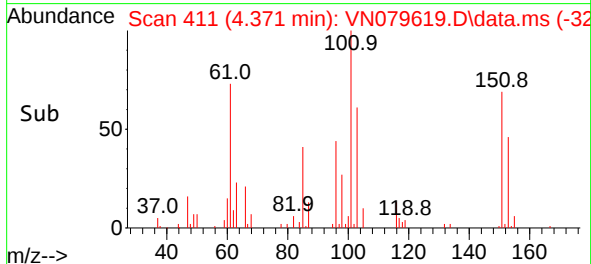
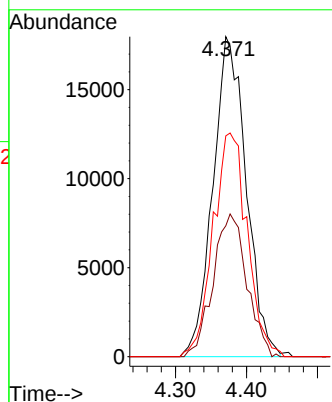
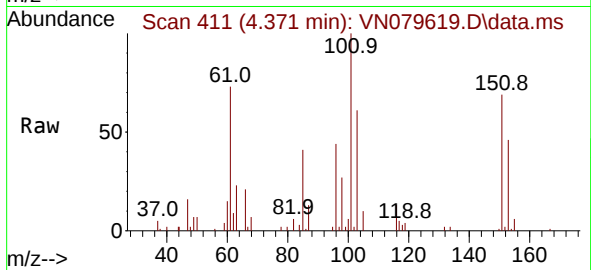
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1,1,2-Trichlorotrifluoroethane
Concen: 20.193 ug/l
RT: 4.371 min Scan# 413
Delta R.T. -0.012 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 58384
Ion Ratio Lower Upper
101 100
85 45.2 0.0 92.0
151 71.7 0.0 138.4

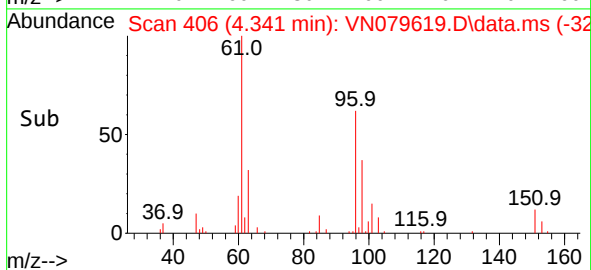
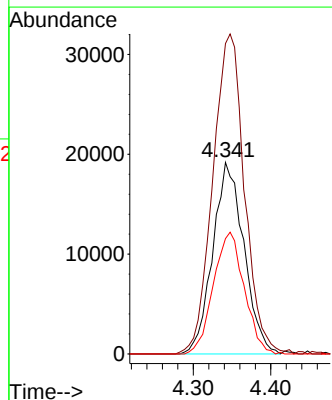
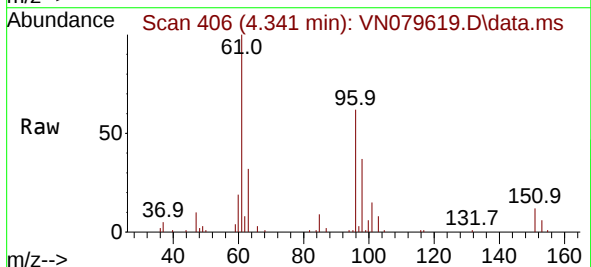
Manual Integrations
APPROVED

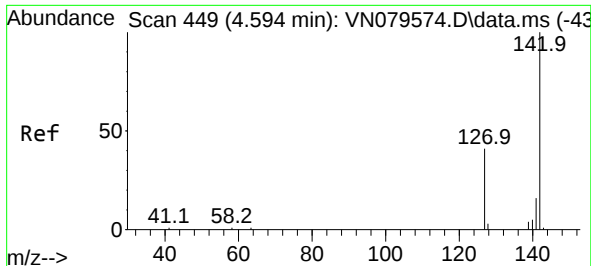
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#10
1,1-Dichloroethene
Concen: 19.479 ug/l
RT: 4.341 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

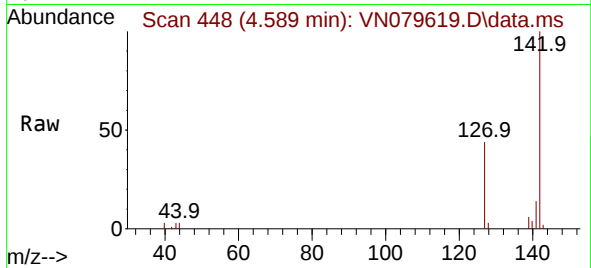
Tgt Ion: 96 Resp: 53585
Ion Ratio Lower Upper
96 100
61 161.0 141.3 211.9
98 60.2 53.2 79.8





#11
Methyl Iodide
Concen: 19.257 ug/l
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

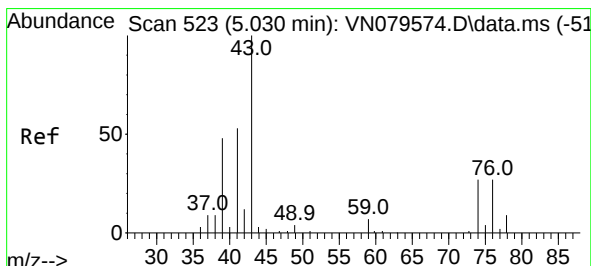
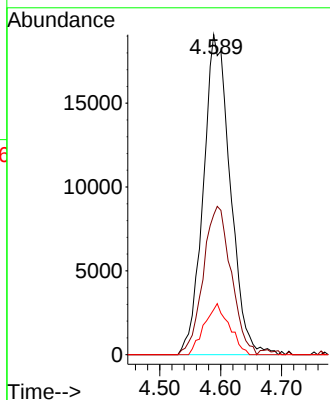
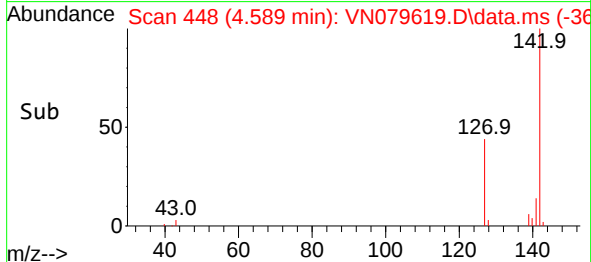
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 58650
Ion Ratio Lower Upper
142 100
127 43.1 24.6 73.8
141 14.1 7.7 23.1

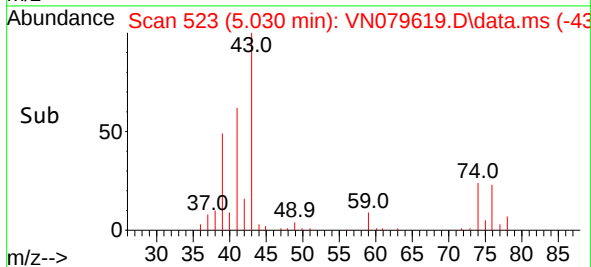
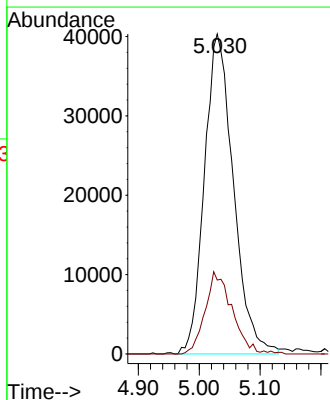
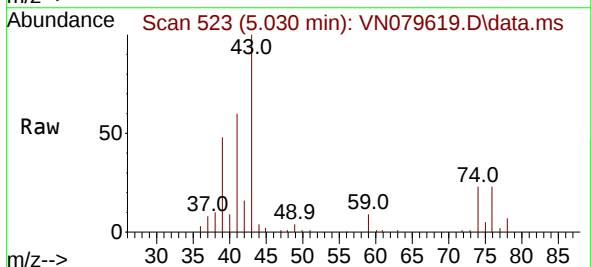
Manual Integrations
APPROVED

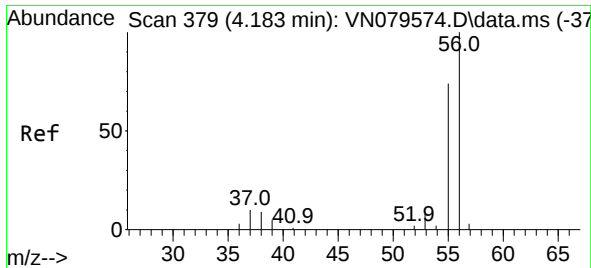
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#12
Methyl Acetate
Concen: 20.115 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

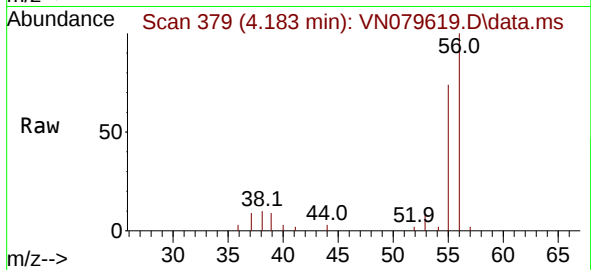
Tgt Ion: 43 Resp: 133396
Ion Ratio Lower Upper
43 100
74 23.0 18.1 27.1





#13
Acrolein
Concen: 98.453 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

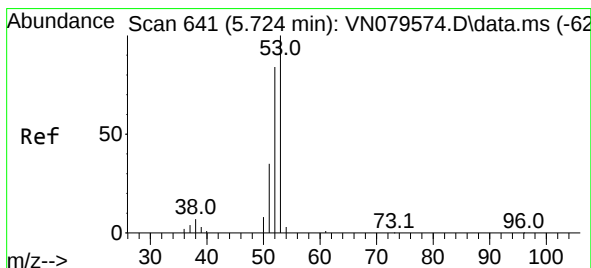
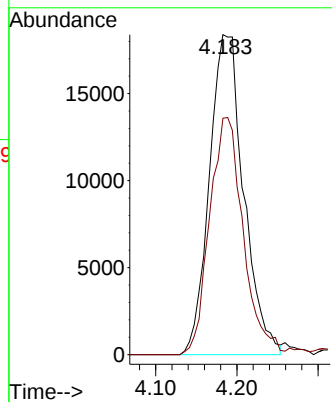
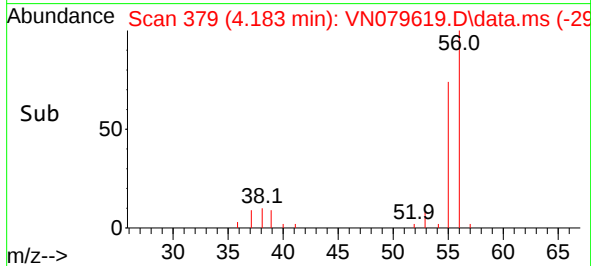
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



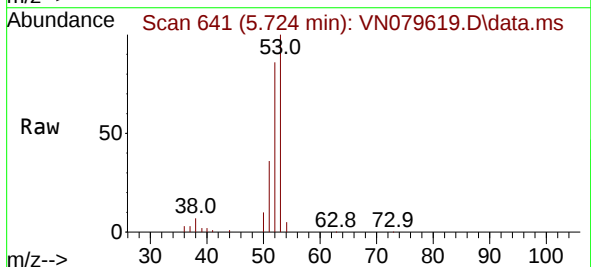
Tgt Ion: 56 Resp: 5397
Ion Ratio Lower Upper
56 100
55 72.5 57.1 85.7

Manual Integrations
APPROVED

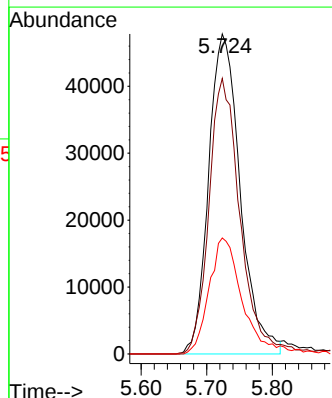
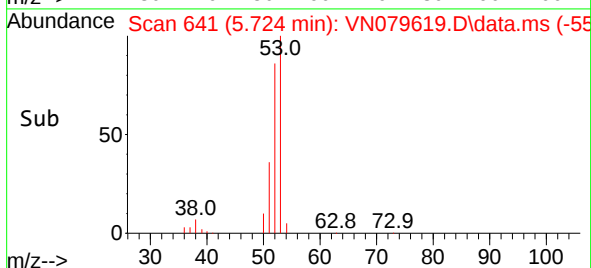
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

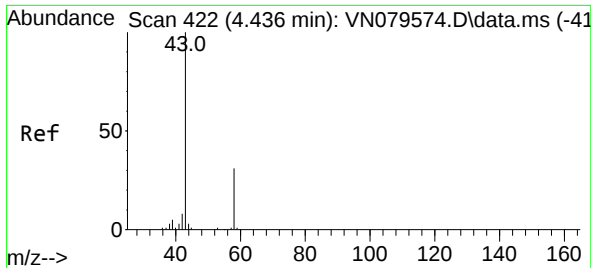


#14
Acrylonitrile
Concen: 100.833 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54



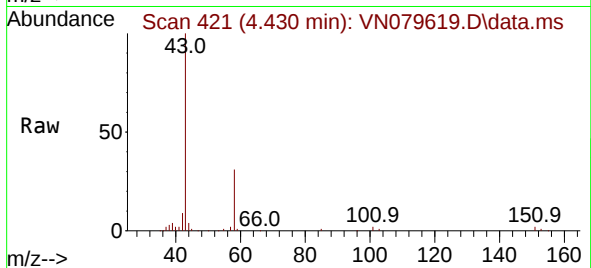
Tgt Ion: 53 Resp: 160134
Ion Ratio Lower Upper
53 100
52 84.5 41.6 124.9
51 37.0 17.8 53.3





#15
Acetone
Concen: 102.369 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

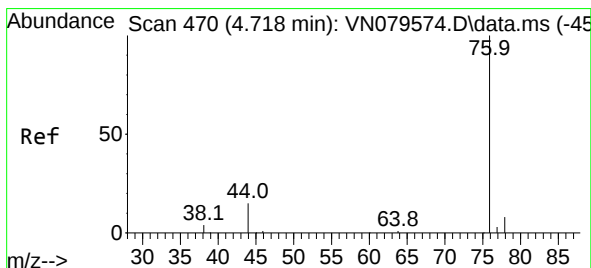
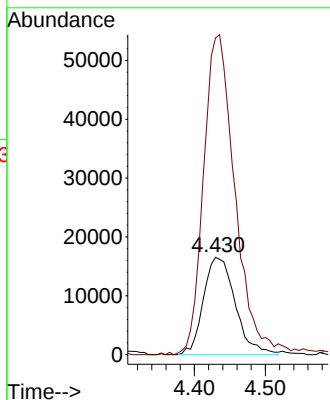
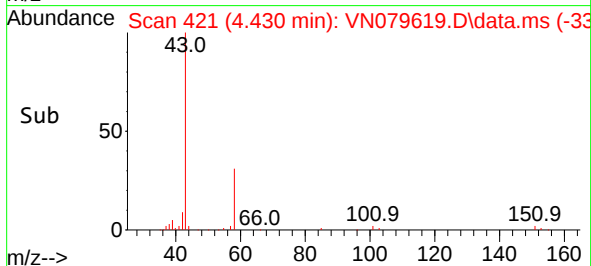
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 58 Resp: 51500
Ion Ratio Lower Upper
58 100
43 323.2 225.2 337.8

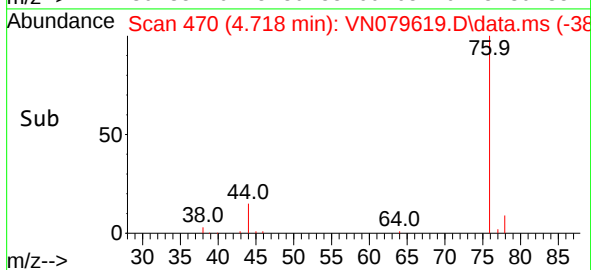
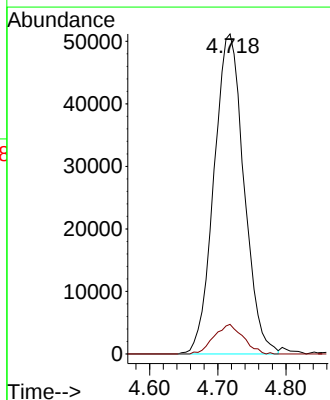
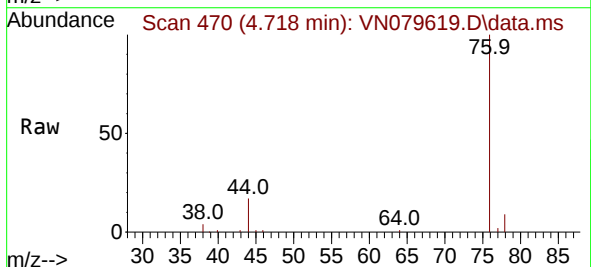
Manual Integrations
APPROVED

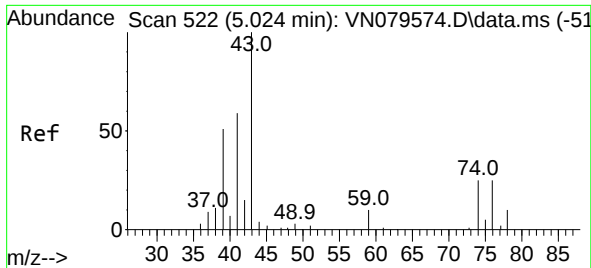
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#16
Carbon Disulfide
Concen: 18.672 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

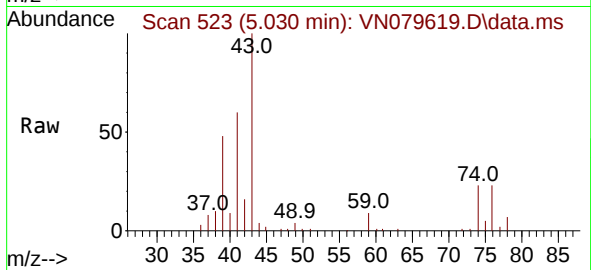
Tgt Ion: 76 Resp: 156626
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3





#17
 Allyl chloride
 Concen: 18.079 ug/l m
 RT: 5.030 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN079619.D
 Acq: 20 Oct 2023 10:54

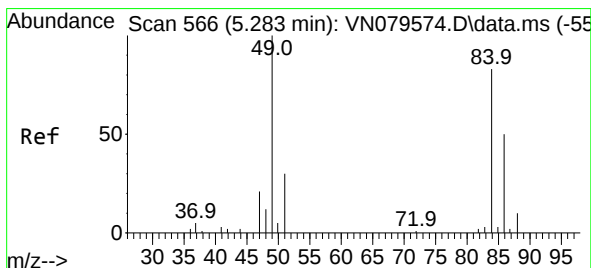
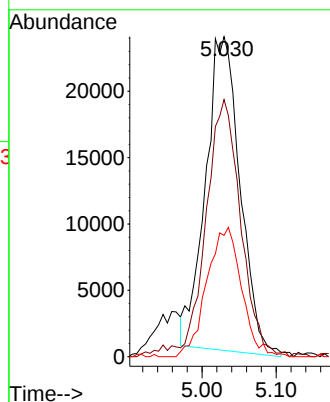
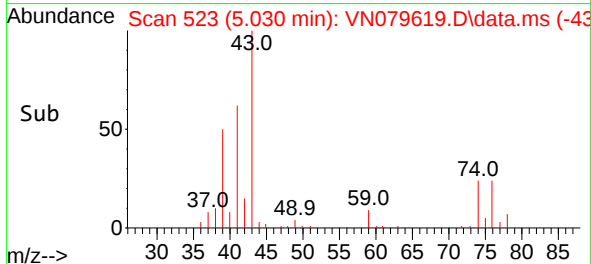
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 41 Resp: 7667
 Ion Ratio Lower Upper
 41 100
 39 80.4 38.4 115.2
 76 37.9 19.5 58.5

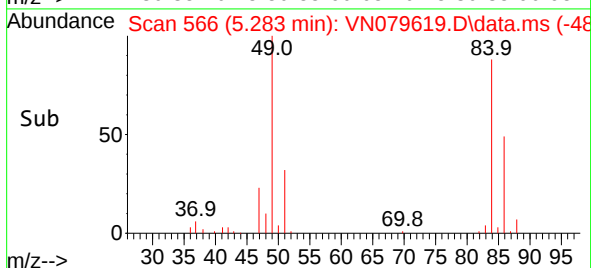
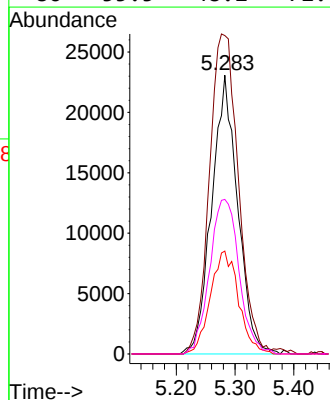
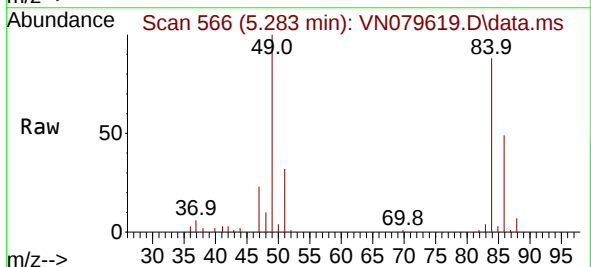
Manual Integrations
 APPROVED

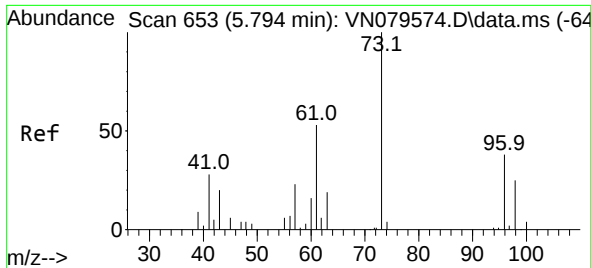
Reviewed By :John Carlone 10/23/2023
 Supervised By :Semsettin Yesilyurt 10/24/2023



#18
 Methylene Chloride
 Concen: 20.906 ug/l
 RT: 5.283 min Scan# 566
 Delta R.T. 0.000 min
 Lab File: VN079619.D
 Acq: 20 Oct 2023 10:54

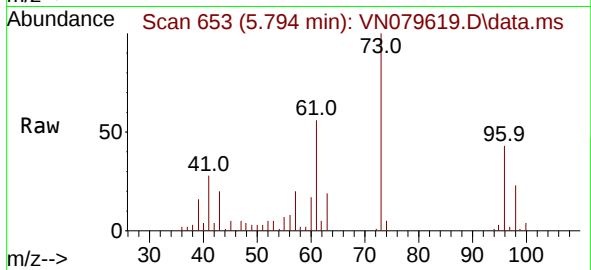
Tgt Ion: 84 Resp: 70785
 Ion Ratio Lower Upper
 84 100
 49 114.2 100.9 151.3
 51 36.9 29.4 44.2
 86 55.5 48.2 72.4





#19
trans-1,2-Dichloroethene
Concen: 20.195 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

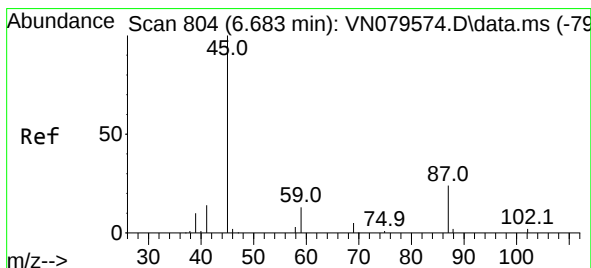
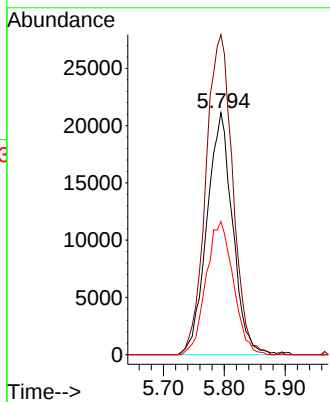
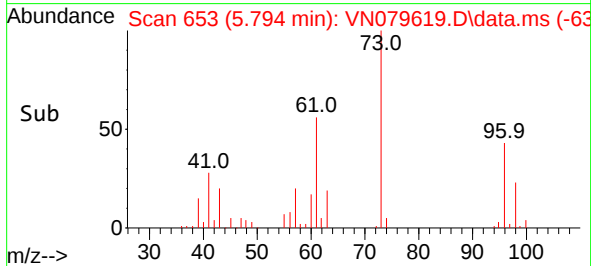
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 6215
Ion Ratio Lower Upper
96 100
61 132.3 113.4 170.0
98 55.1 50.4 75.6

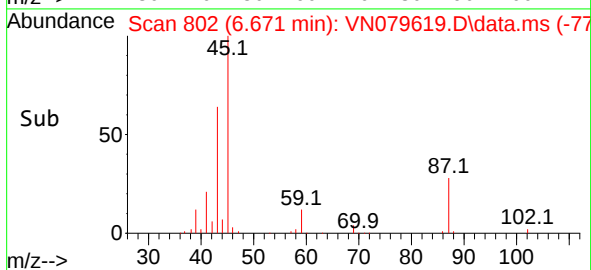
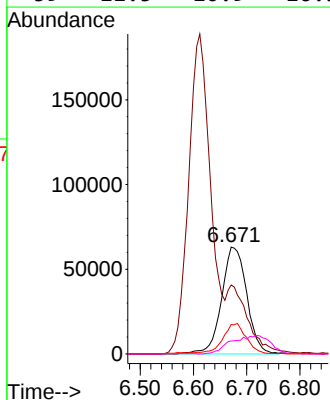
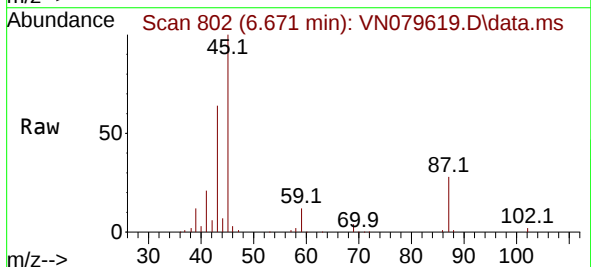
Manual Integrations
APPROVED

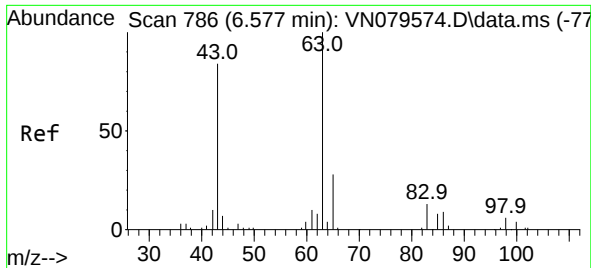
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#20
Diisopropyl ether
Concen: 20.579 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.012 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Tgt Ion: 45 Resp: 206952
Ion Ratio Lower Upper
45 100
43 60.8 42.1 63.1
87 27.1 20.5 30.7
59 11.5 10.9 16.3





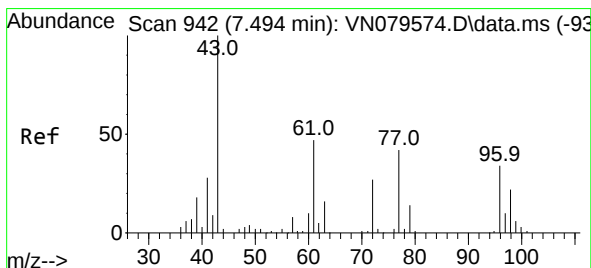
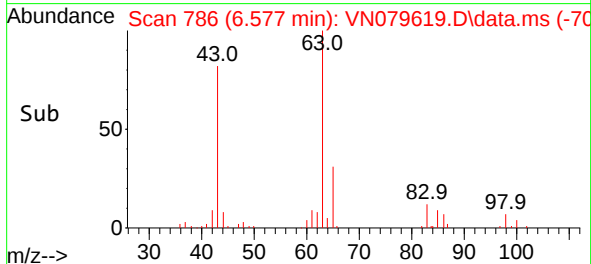
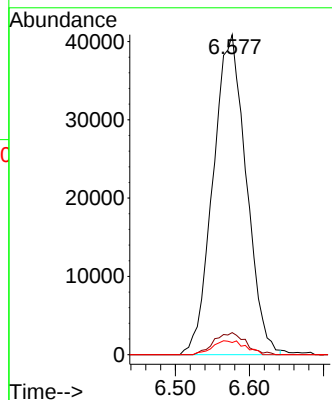
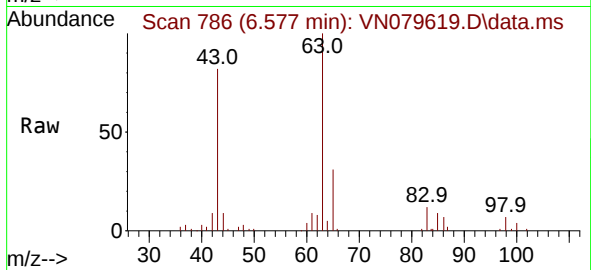
#21
1,1-Dichloroethane
Concen: 20.745 ug/l
RT: 6.577 min Scan# 786
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 12677
Ion Ratio Lower Upper
63 100
98 6.9 2.8 8.4
100 3.8 1.9 5.7

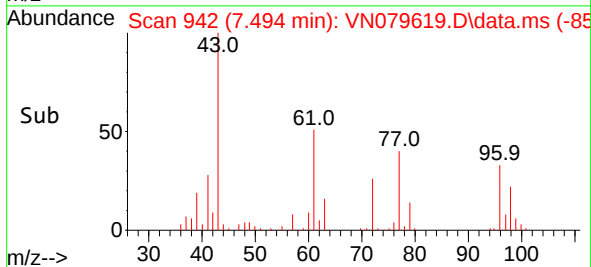
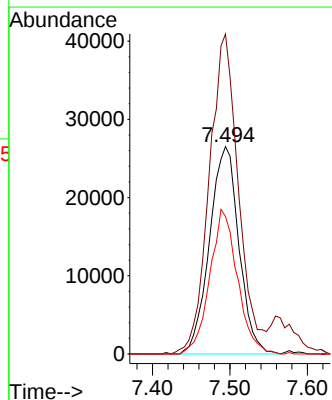
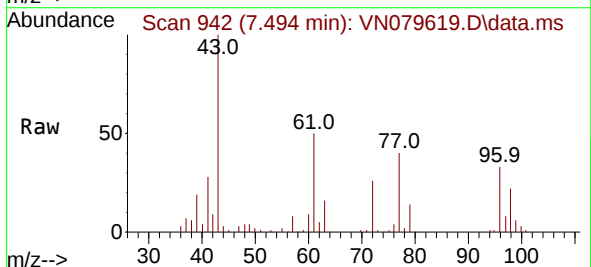
Manual Integrations
APPROVED

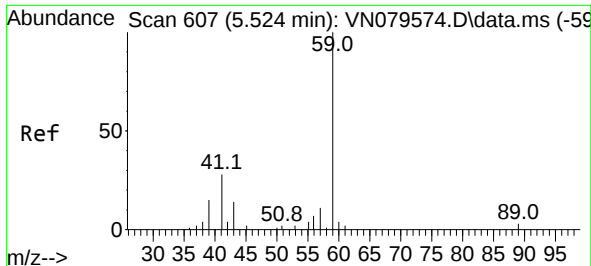
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#22
cis-1,2-Dichloroethene
Concen: 19.716 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

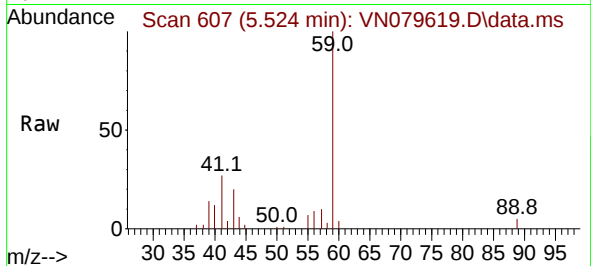
Tgt Ion: 96 Resp: 69887
Ion Ratio Lower Upper
96 100
61 153.6 124.6 186.8
98 65.6 54.2 81.4





#23
tert-Butyl Alcohol
Concen: 86.333 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

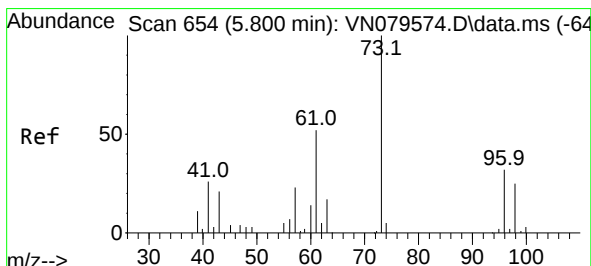
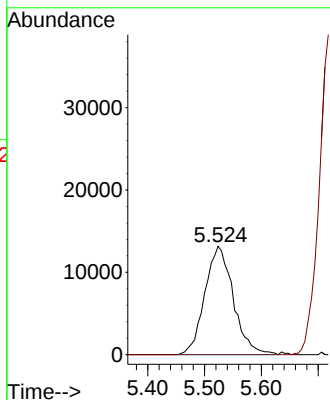
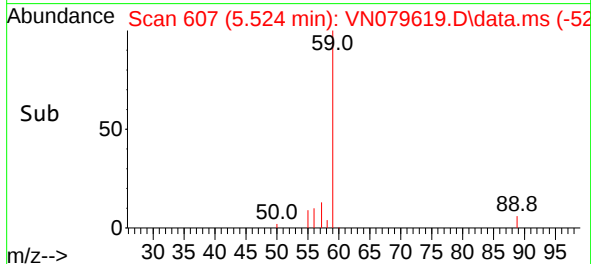
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



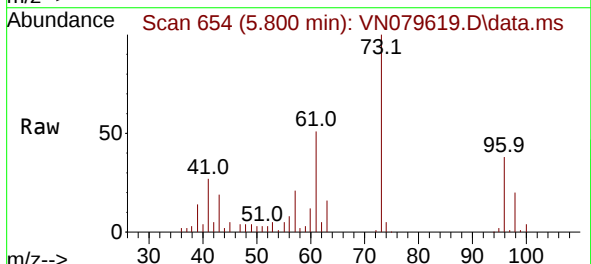
Tgt Ion: 59 Resp: 4584
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

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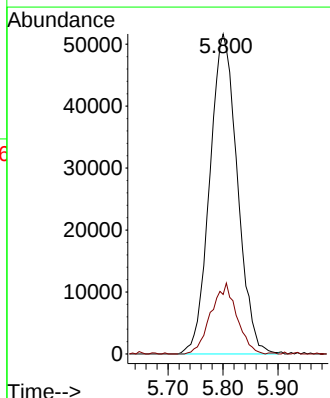
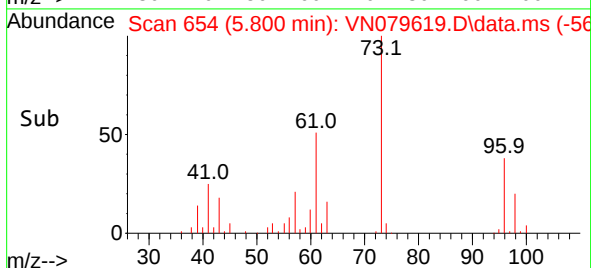
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

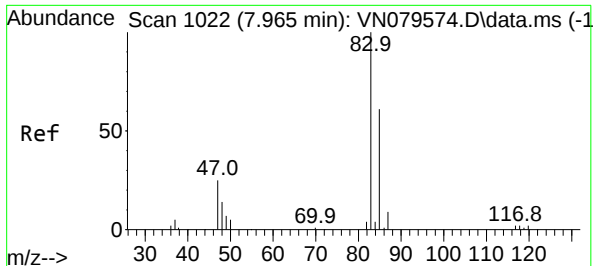


#24
Methyl tert-Butyl Ether
Concen: 19.524 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54



Tgt Ion: 73 Resp: 180203
Ion Ratio Lower Upper
73 100
43 20.7 16.6 24.8





#25

Chloroform

Concen: 21.170 ug/l

RT: 7.971 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 130724

Ion Ratio Lower Upper

83 100

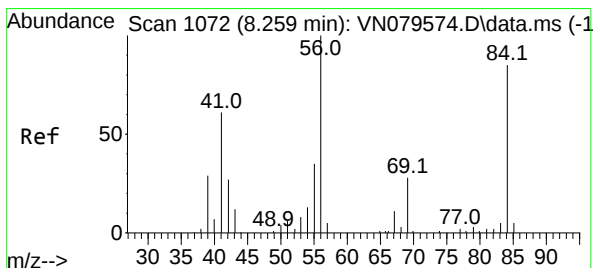
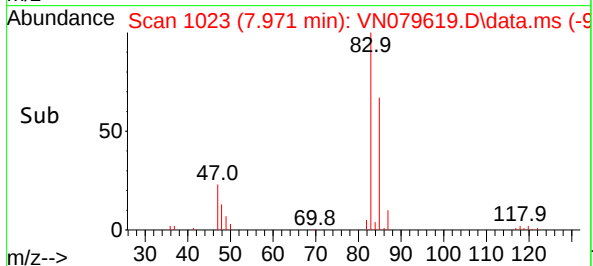
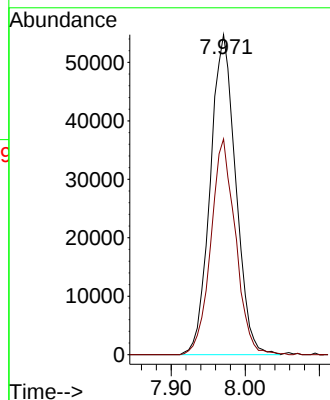
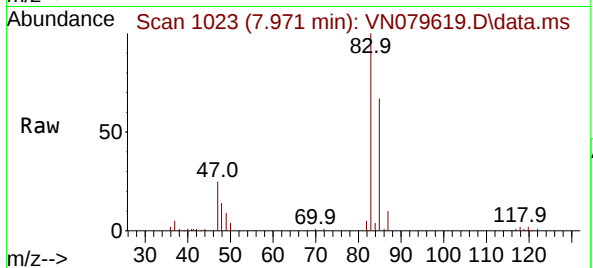
85 67.4 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#26

Cyclohexane

Concen: 18.566 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.006 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

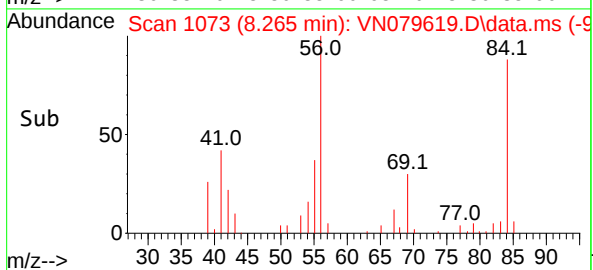
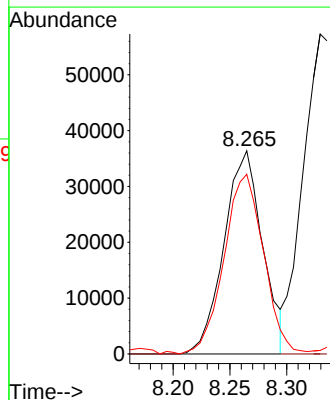
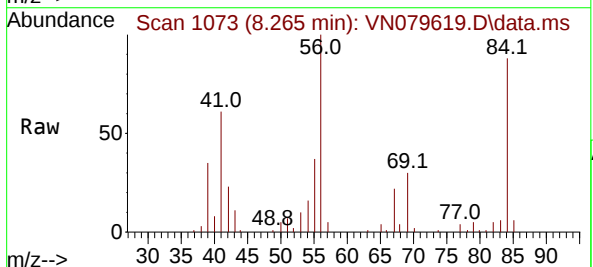
Tgt Ion: 56 Resp: 85765

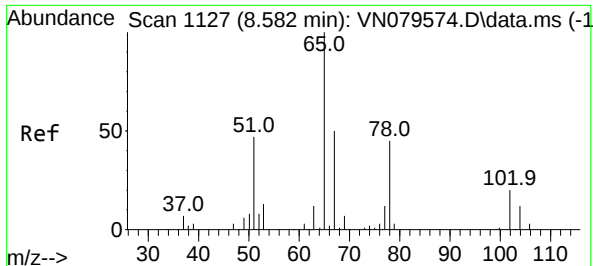
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 90.9 69.0 103.4





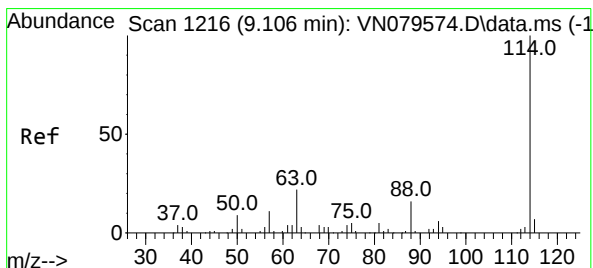
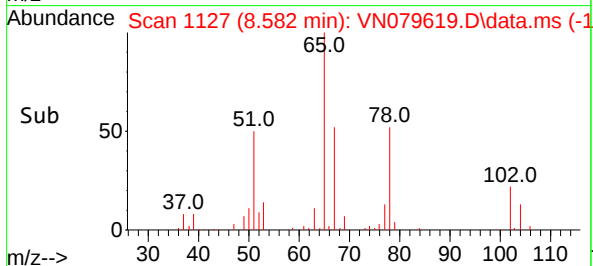
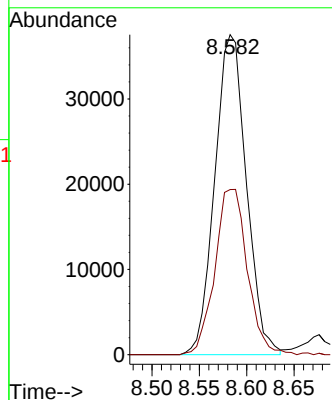
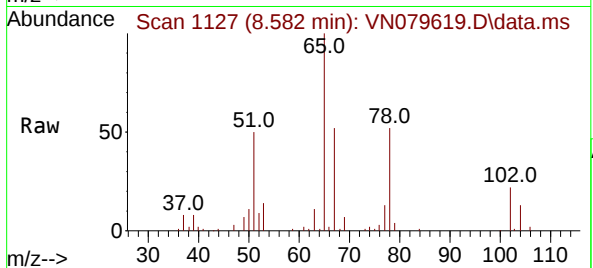
#27
1,2-Dichloroethane-d4
Concen: 30.001 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 65 Resp: 87083
Ion Ratio Lower Upper
65 100
67 53.1 42.1 63.1

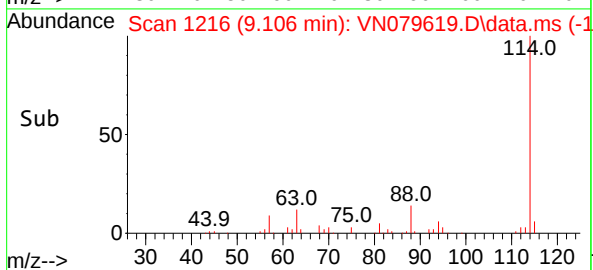
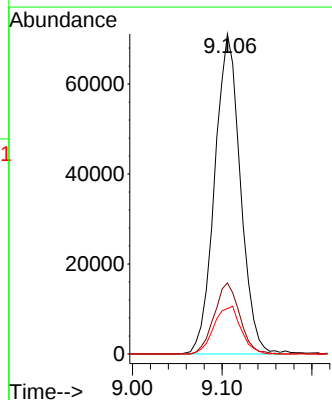
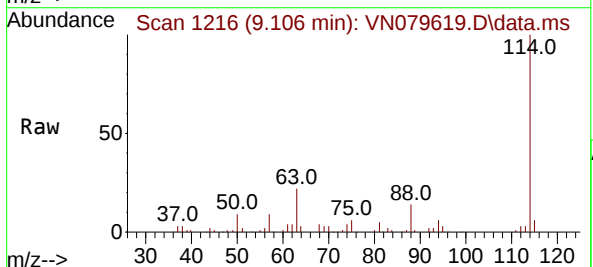
Manual Integrations
APPROVED

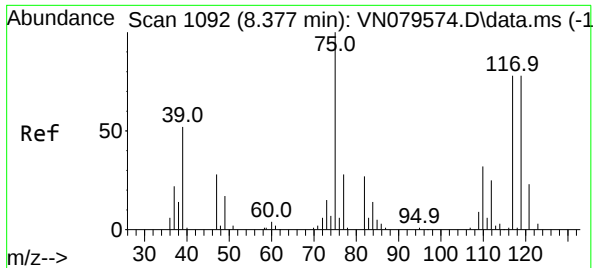
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Tgt Ion:114 Resp: 141502
Ion Ratio Lower Upper
114 100
63 21.9 18.1 27.1
88 15.6 12.2 18.2





#29
1,1-Dichloropropene
Concen: 21.254 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

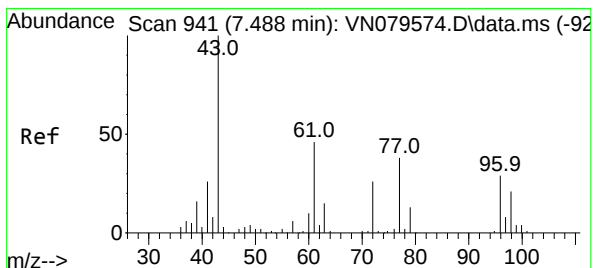
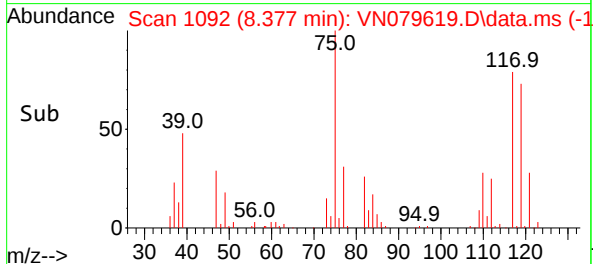
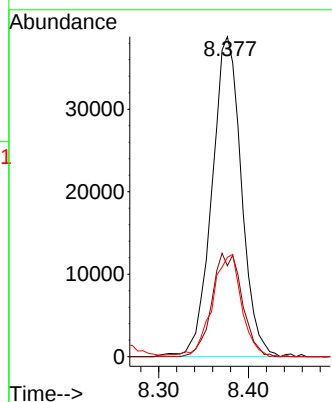
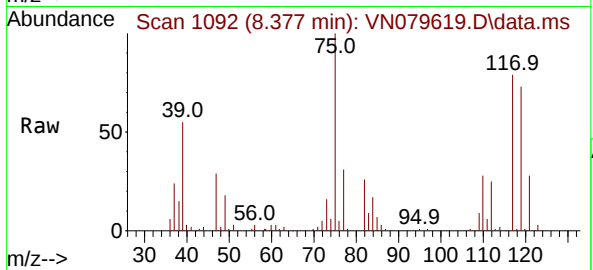
Tgt Ion: 75 Resp: 87889
Ion Ratio Lower Upper
75 100
110 33.3 0.0 66.8
77 32.3 0.0 61.2

Manual Integrations

APPROVED

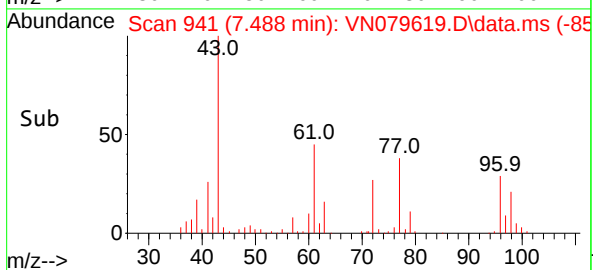
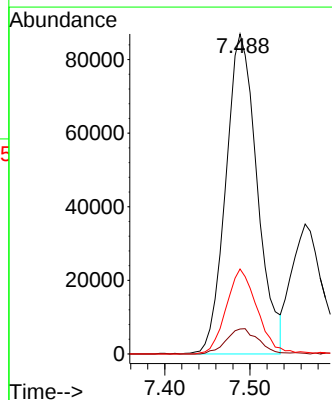
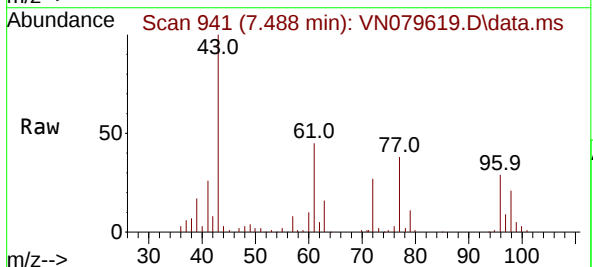
Reviewed By :John Carlone 10/23/2023

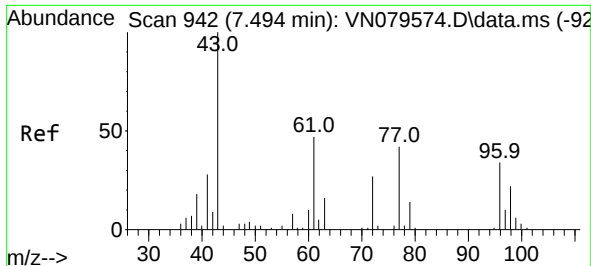
Supervised By :Semsettin Yesilyurt 10/24/2023



#30
2-Butanone
Concen: 107.445 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Tgt Ion: 43 Resp: 222712
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: 20.415 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.006 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 77 Resp: 95184

Ion Ratio Lower Upper

77 100

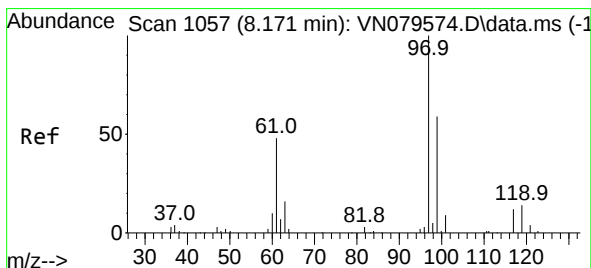
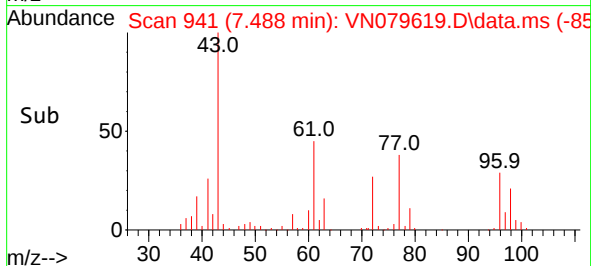
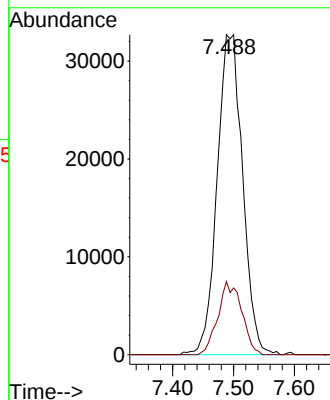
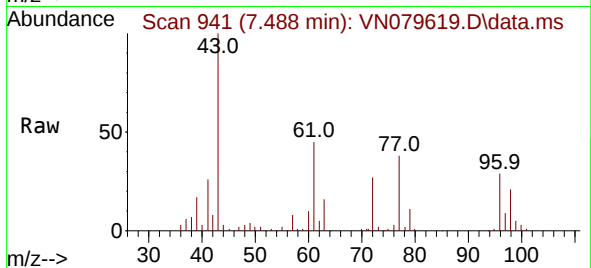
97 11.7 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#32

1,1,1-Trichloroethane

Concen: 21.367 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

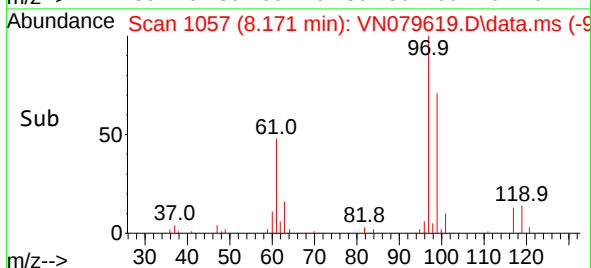
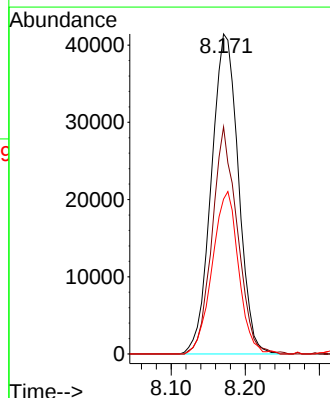
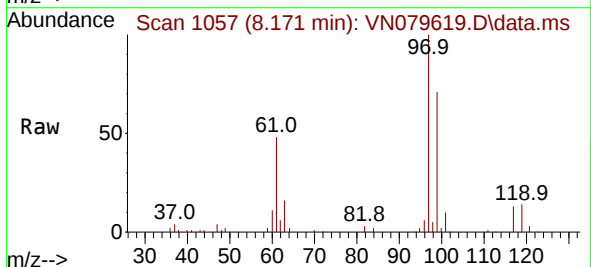
Tgt Ion: 97 Resp: 105017

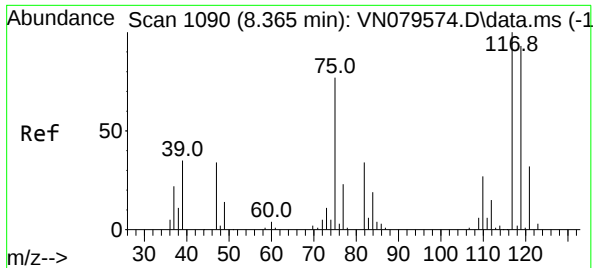
Ion Ratio Lower Upper

97 100

99 65.9 51.9 77.9

61 49.3 37.6 56.4





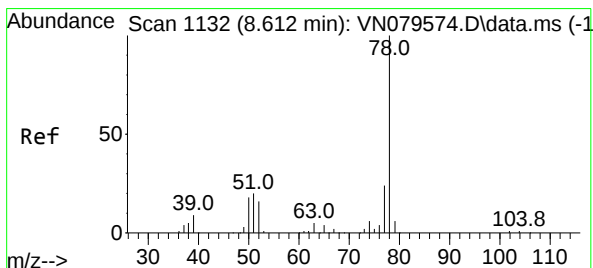
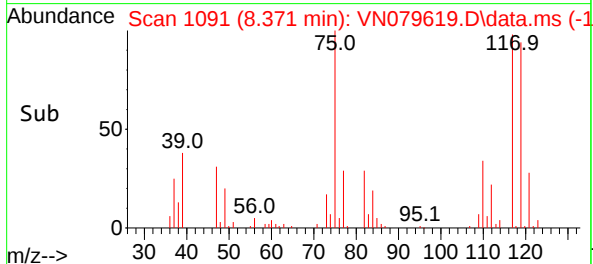
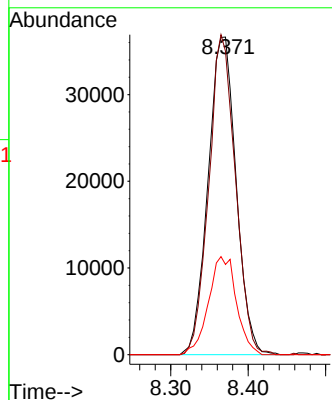
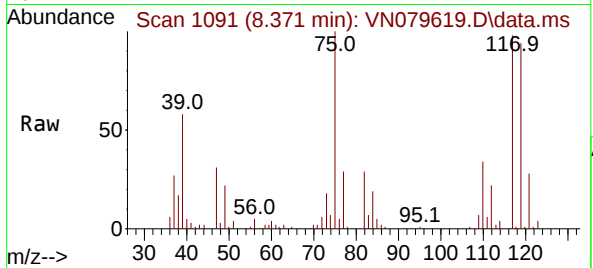
#33
Carbon Tetrachloride
Concen: 22.015 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 92024
Ion Ratio Lower Upper
117 100
119 95.6 75.0 112.6
121 28.4 24.3 36.5

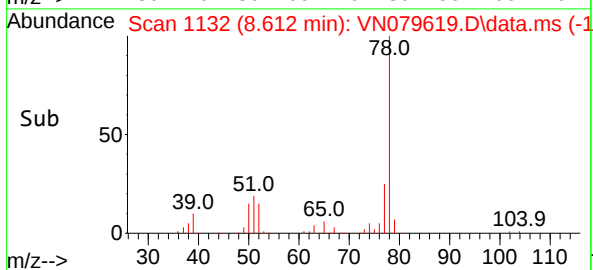
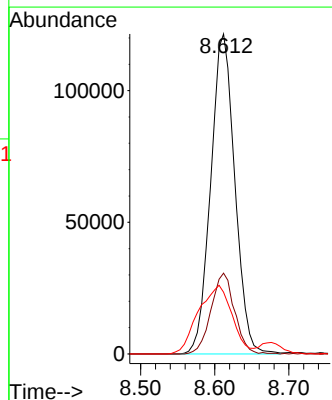
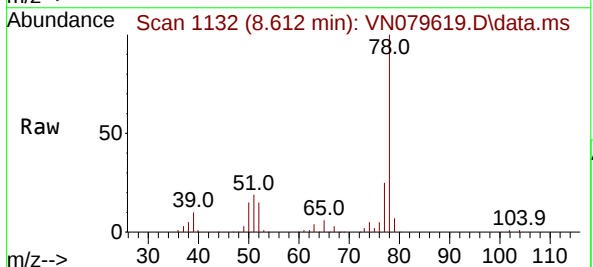
Manual Integrations
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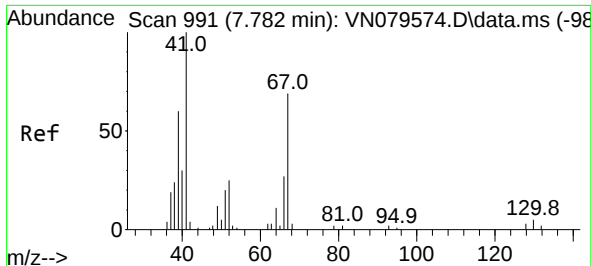
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#34
Benzene
Concen: 21.880 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

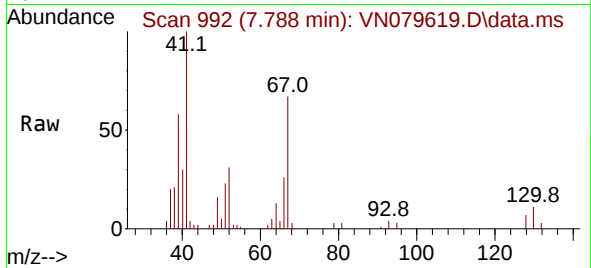
Tgt Ion: 78 Resp: 274891
Ion Ratio Lower Upper
78 100
77 25.2 19.7 29.5
51 18.0 15.8 23.6





#35
Methacrylonitrile
Concen: 21.667 ug/l
RT: 7.788 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

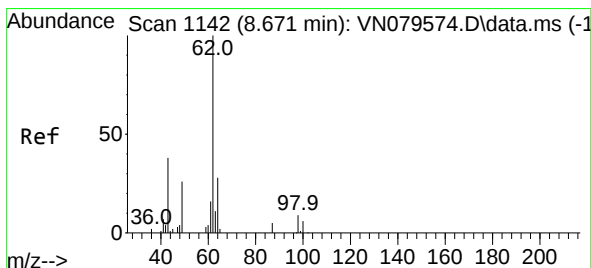
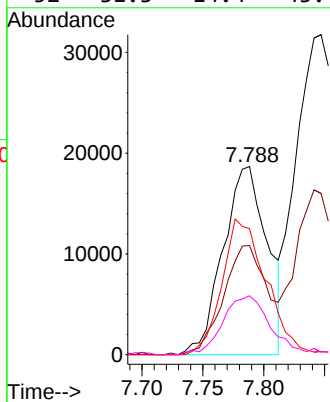
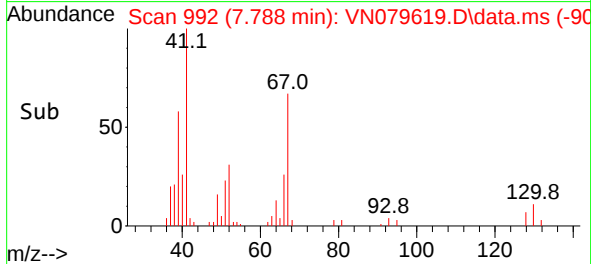
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 41 Resp: 47244
Ion Ratio Lower Upper
41 100
39 58.0 26.3 78.8
67 67.0 37.5 112.3
52 31.3 14.4 43.4

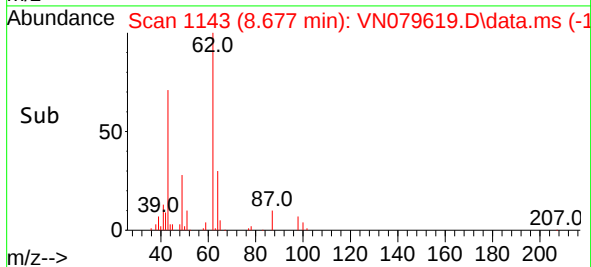
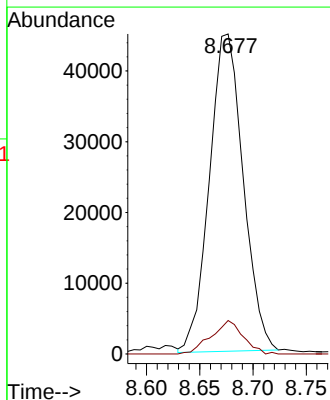
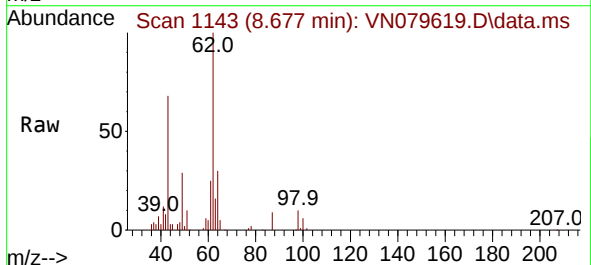
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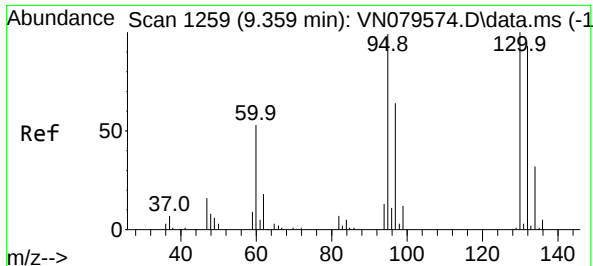
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#36
1,2-Dichloroethane
Concen: 22.104 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Tgt Ion: 62 Resp: 99157
Ion Ratio Lower Upper
62 100
98 9.8 7.2 10.8





#37

Trichloroethene

Concen: 20.956 ug/l

RT: 9.359 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 61544

Ion Ratio Lower Upper

130 100

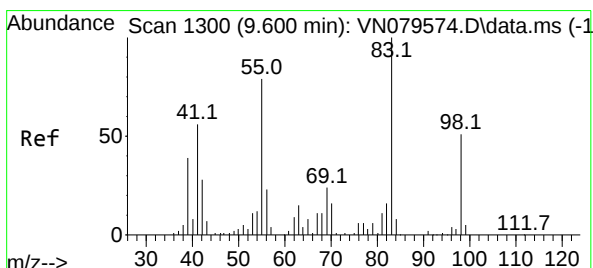
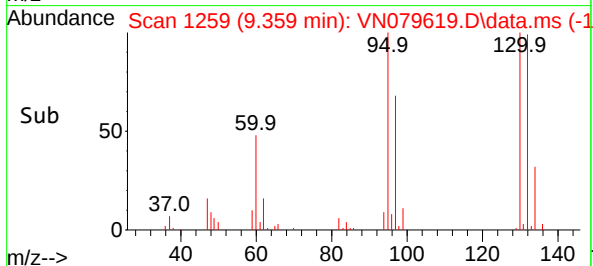
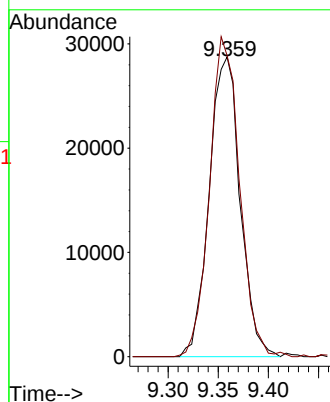
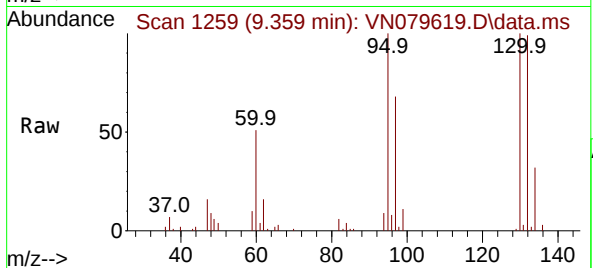
95 99.9 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#38

Methylcyclohexane

Concen: 19.390 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

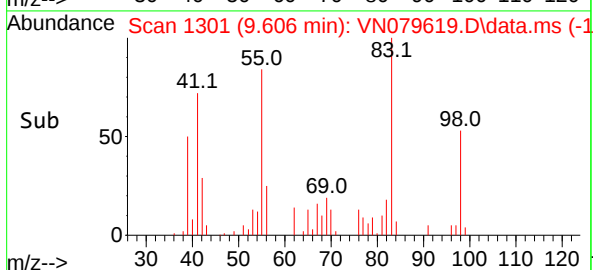
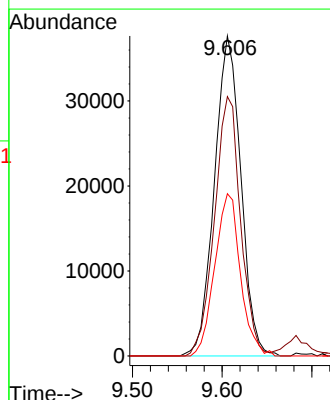
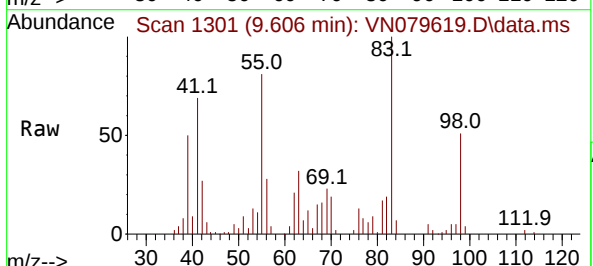
Tgt Ion: 83 Resp: 77199

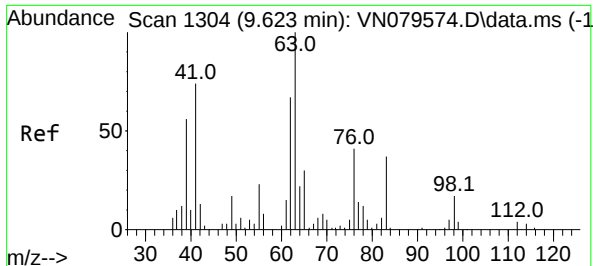
Ion Ratio Lower Upper

83 100

55 80.0 39.7 119.1

98 49.2 24.4 73.2





#39

1,2-Dichloropropane

Concen: 22.213 ug/l

RT: 9.623 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 7364

Ion Ratio Lower Upper

63 100

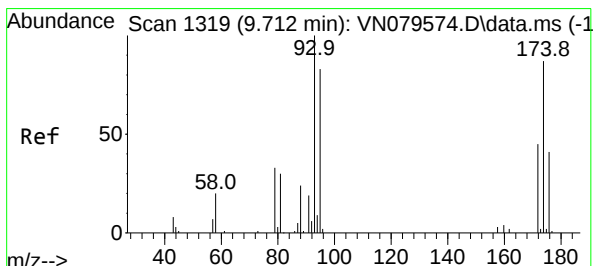
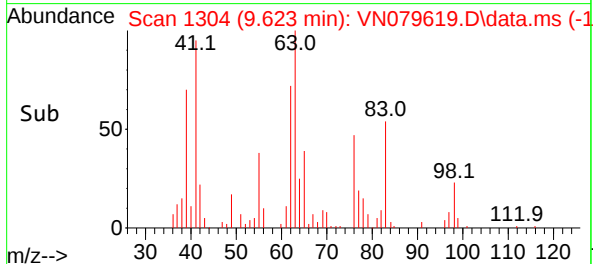
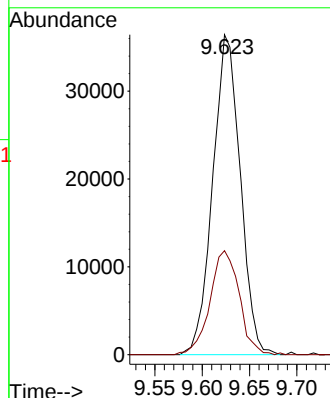
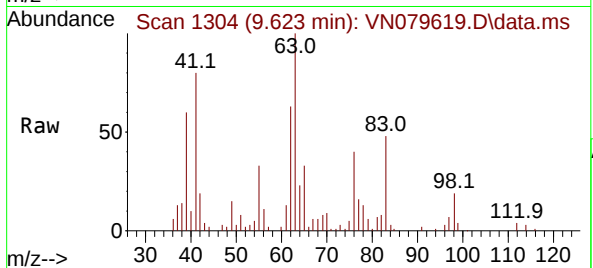
65 32.0 25.3 37.9

Manual Integrations

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Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#40

Dibromomethane

Concen: 23.025 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

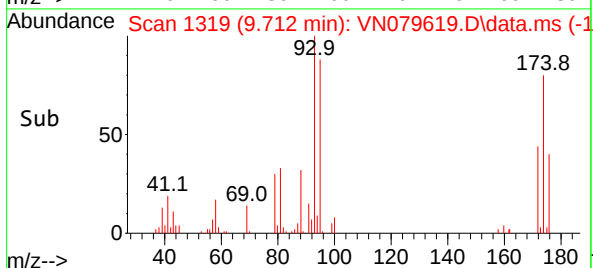
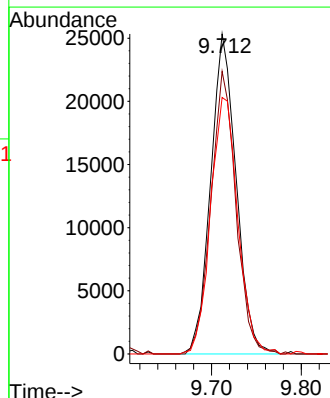
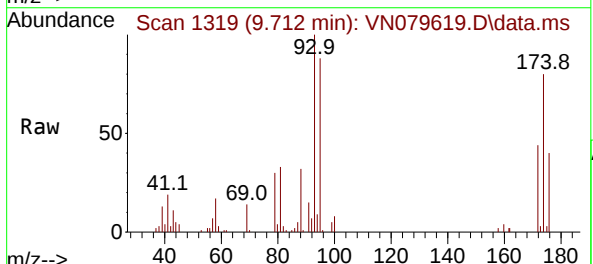
Tgt Ion: 93 Resp: 50100

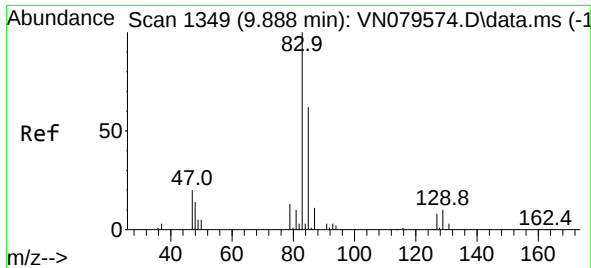
Ion Ratio Lower Upper

93 100

95 86.3 0.0 166.6

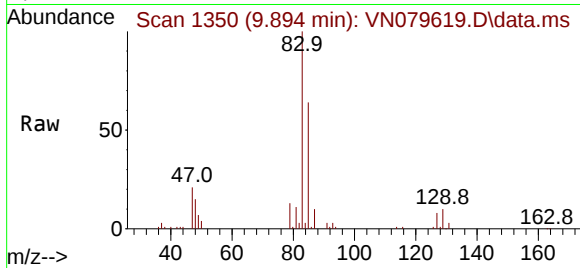
174 85.3 0.0 171.0





#41
Bromodichloromethane
Concen: 22.408 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

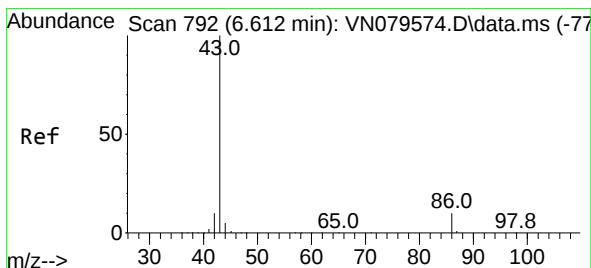
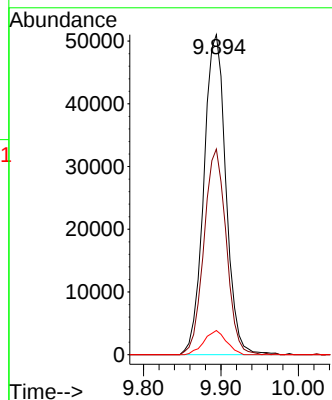
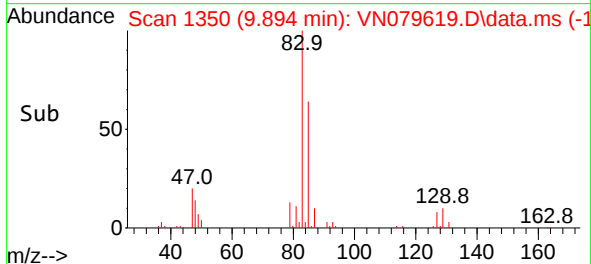
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 101040
Ion Ratio Lower Upper
83 100
85 64.3 50.3 75.5
127 7.5 6.8 10.2

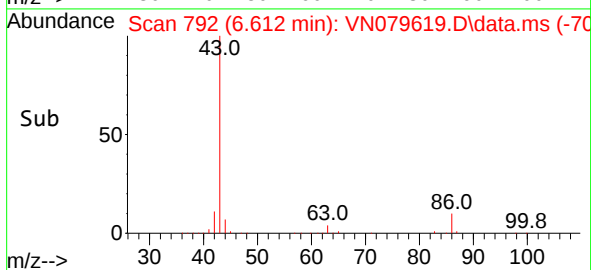
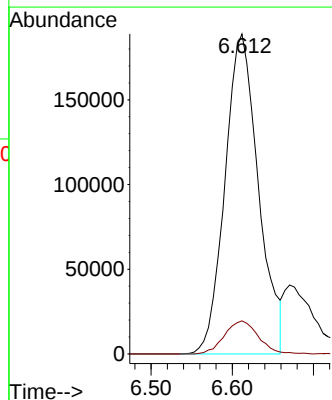
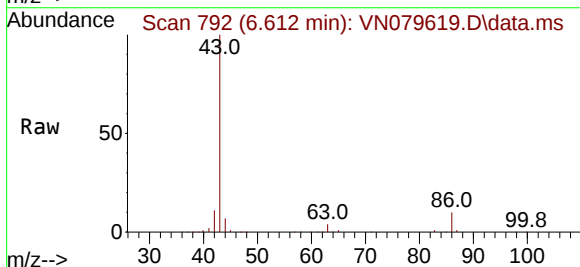
Manual Integrations
APPROVED

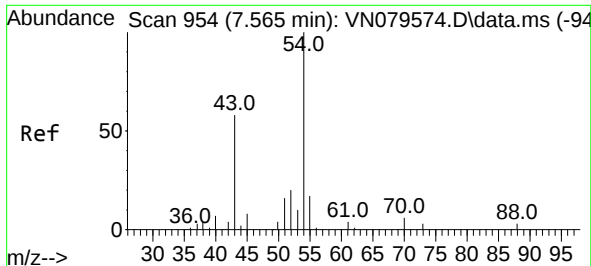
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#42
Vinyl Acetate
Concen: 103.196 ug/l
RT: 6.612 min Scan# 792
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

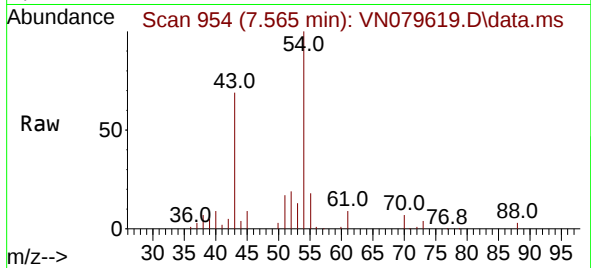
Tgt Ion: 43 Resp: 542617
Ion Ratio Lower Upper
43 100
86 10.4 8.2 12.2





#43
Ethyl Acetate
Concen: 23.214 ug/l
RT: 7.565 min Scan# 914
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

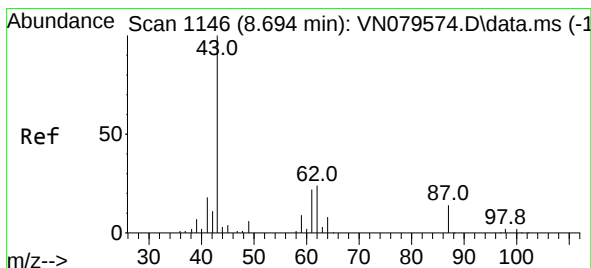
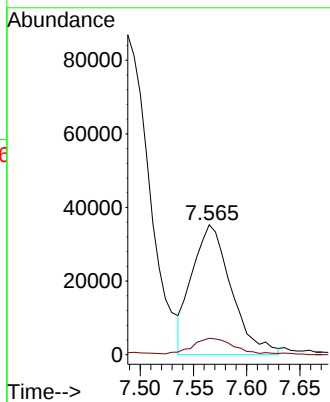
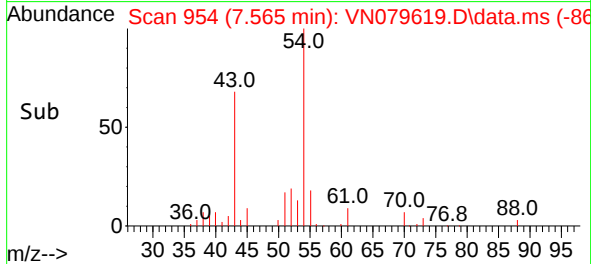
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



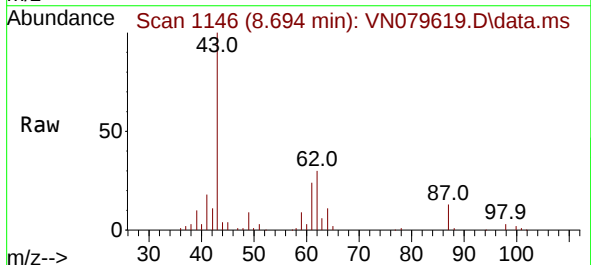
Tgt Ion: 43 Resp: 90480
Ion Ratio Lower Upper
43 100
45 13.1 11.8 17.8

Manual Integrations
APPROVED

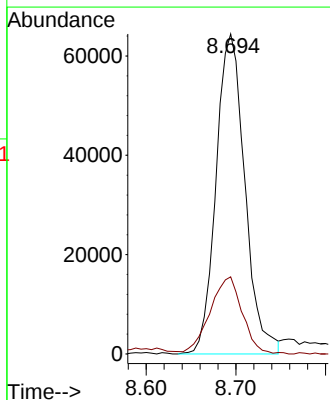
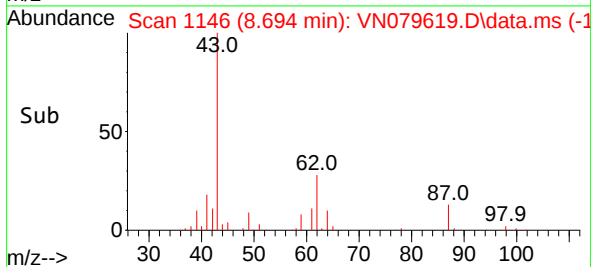
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

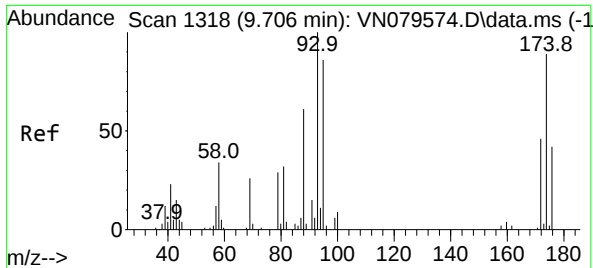


#44
Isopropyl Acetate
Concen: 20.711 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54



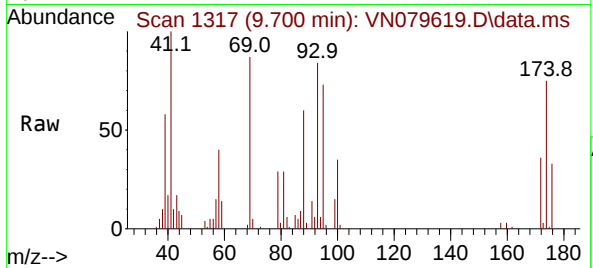
Tgt Ion: 43 Resp: 143497
Ion Ratio Lower Upper
43 100
61 26.9 20.3 30.5





#45
1,4-Dioxane
Concen: 412.714 ug/l
RT: 9.700 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

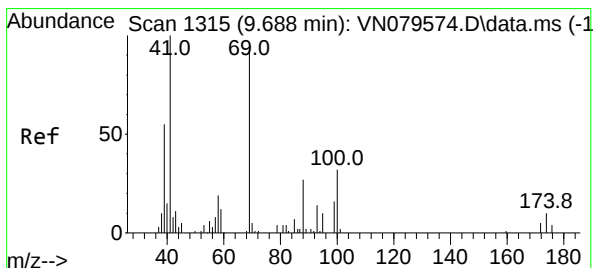
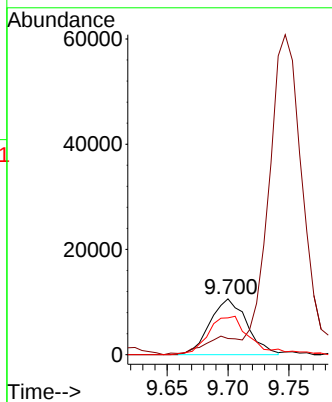
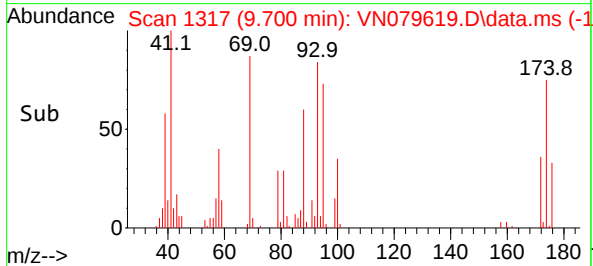
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 88 Resp: 22384
Ion Ratio Lower Upper
88 100
43 28.5 28.7 43.1
58 72.2 56.9 85.3

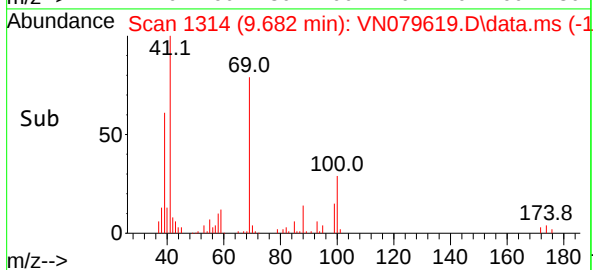
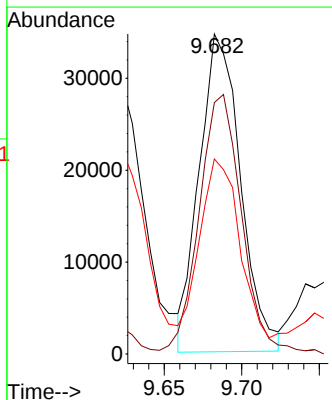
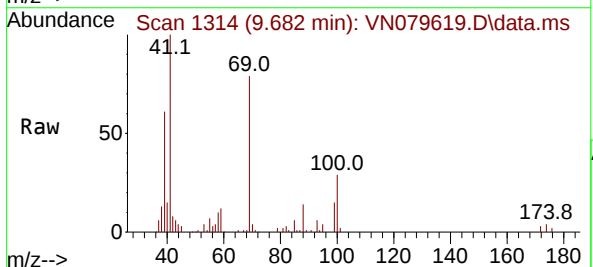
Manual Integrations
APPROVED

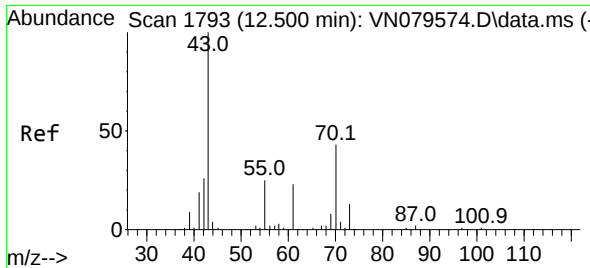
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#46
Methyl methacrylate
Concen: 20.829 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

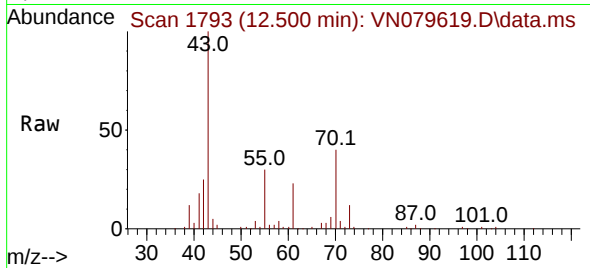
Tgt Ion: 41 Resp: 64027
Ion Ratio Lower Upper
41 100
69 81.3 40.0 119.9
39 58.6 31.1 93.3





#47
n-amy1 Acetate
Concen: 20.182 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

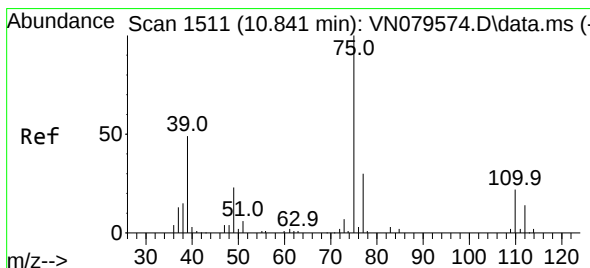
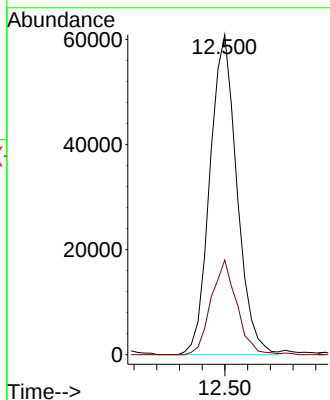
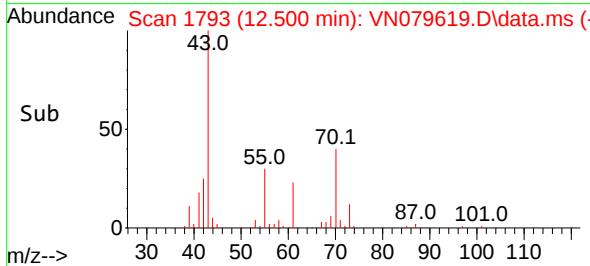
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 10092
Ion Ratio Lower Upper
43 100
55 28.1 20.7 31.1

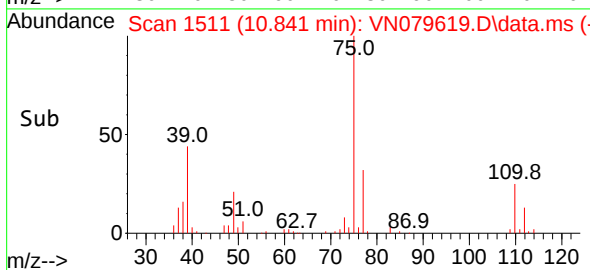
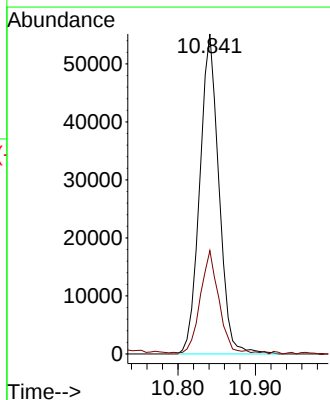
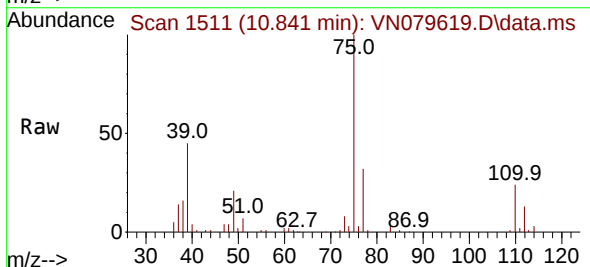
Manual Integrations
APPROVED

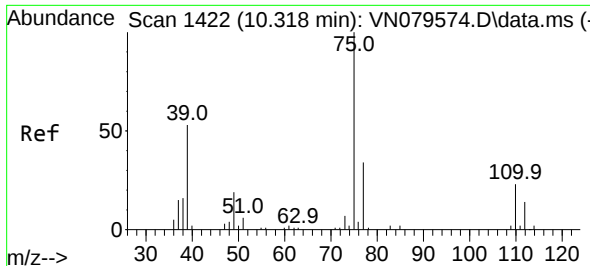
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#48
t-1,3-Dichloropropene
Concen: 20.751 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Tgt Ion: 75 Resp: 94596
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 21.158 ug/l

RT: 10.318 min Scan# 1422

Delta R.T. 0.000 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 105460

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

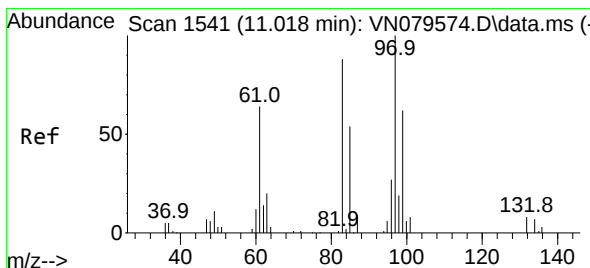
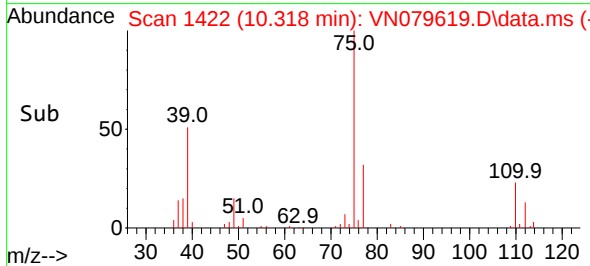
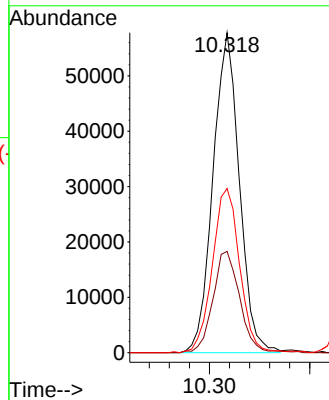
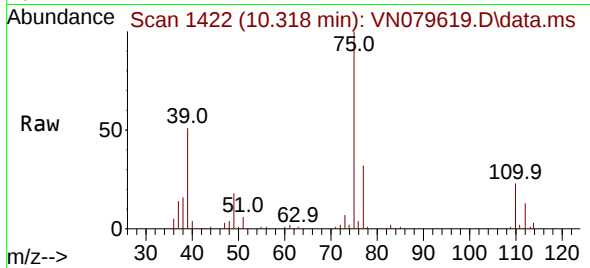
39 51.3 42.4 63.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#50

1,1,2-Trichloroethane

Concen: 23.148 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

Tgt Ion: 97 Resp: 69874

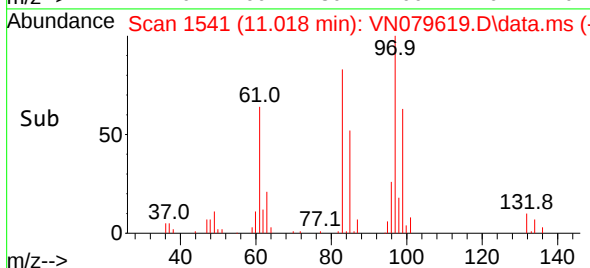
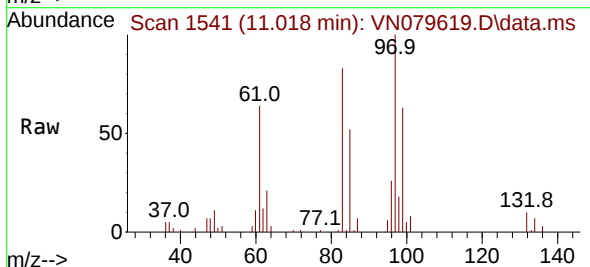
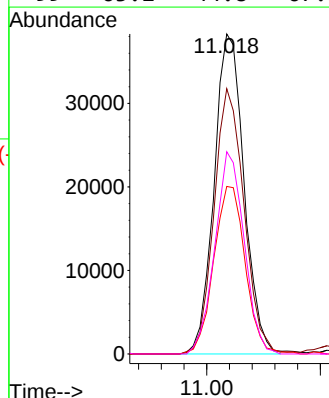
Ion Ratio Lower Upper

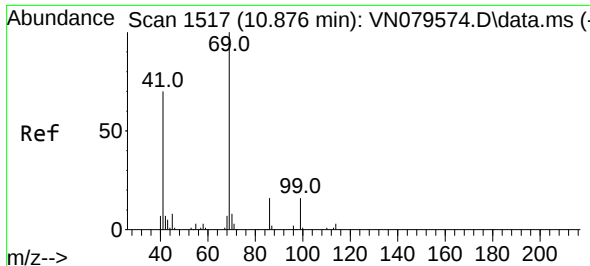
97 100

83 82.9 68.2 102.4

85 52.3 42.9 64.3

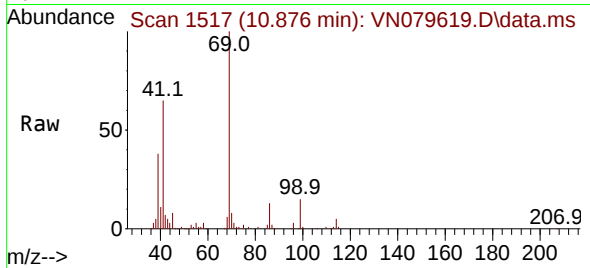
99 63.2 44.8 67.2





#51
Ethyl methacrylate
Concen: 21.171 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

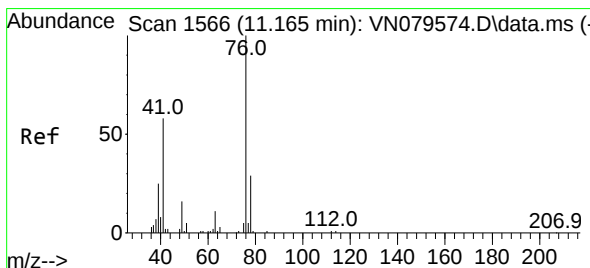
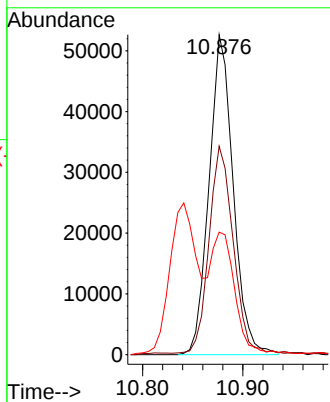
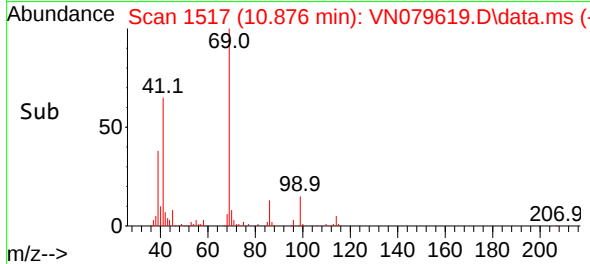
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 88168
Ion Ratio Lower Upper
69 100
41 64.6 33.8 101.3
39 37.6 21.3 63.9

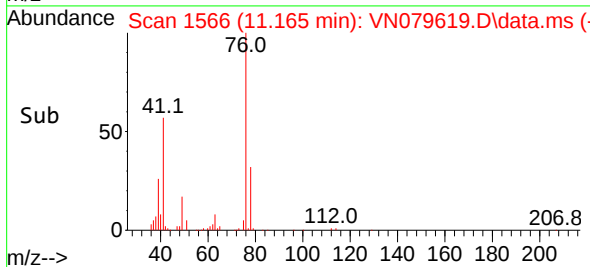
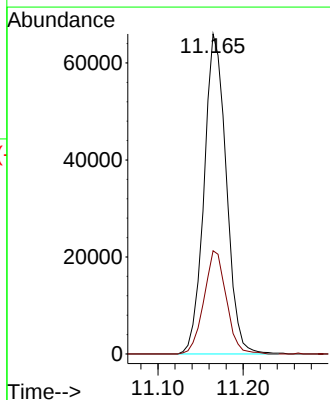
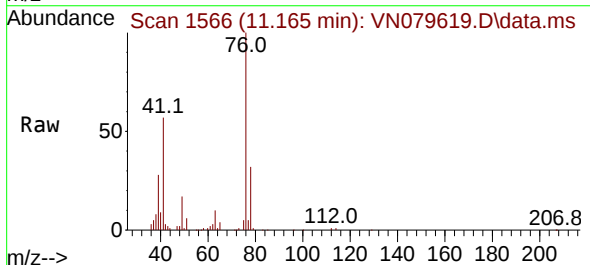
Manual Integrations
APPROVED

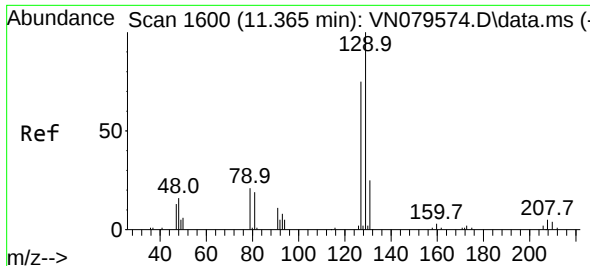
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#52
1,3-Dichloropropane
Concen: 22.309 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

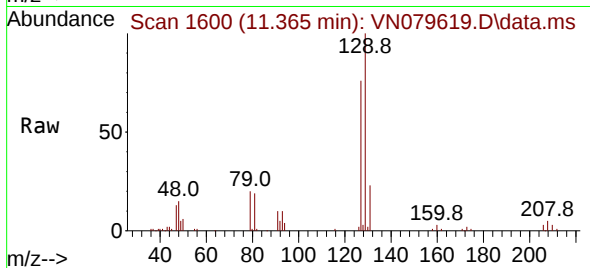
Tgt Ion: 76 Resp: 119297
Ion Ratio Lower Upper
76 100
78 32.5 0.0 64.0





#53
Dibromochloromethane
Concen: 22.833 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

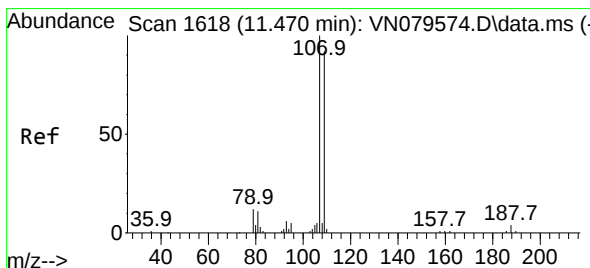
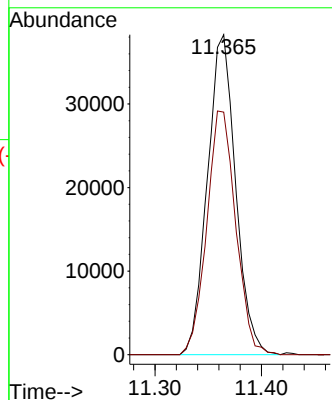
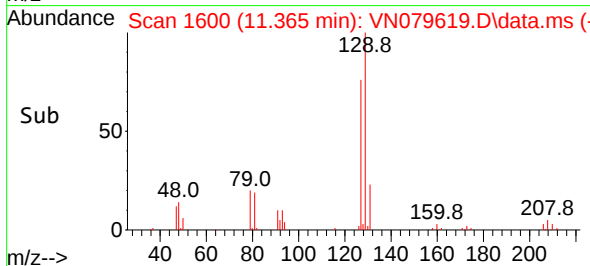
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



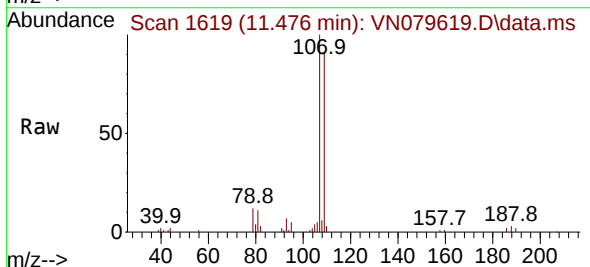
Tgt Ion:129 Resp: 70440
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.3

Manual Integrations
APPROVED

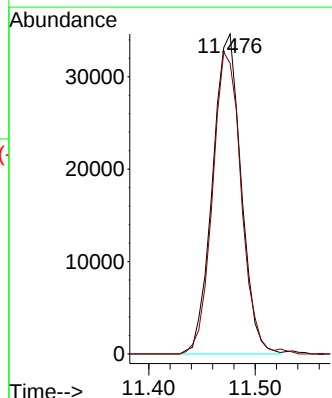
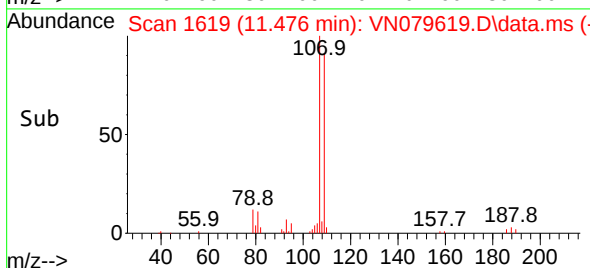
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

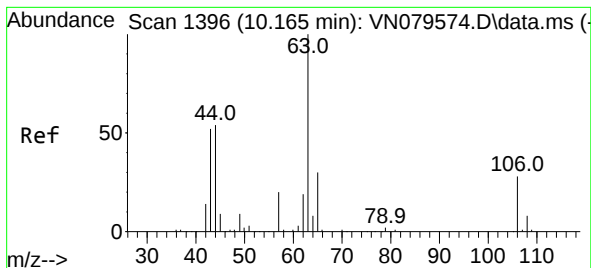


#54
1,2-Dibromoethane
Concen: 21.628 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54



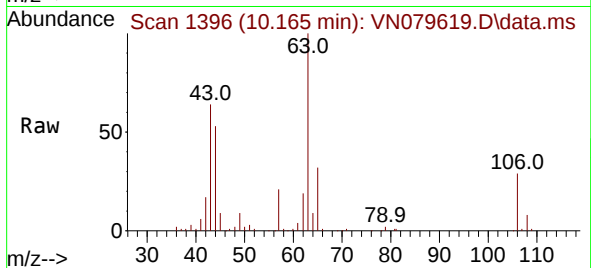
Tgt Ion:107 Resp: 64408
Ion Ratio Lower Upper
107 100
109 94.3 73.2 109.8





#55
2-Chloroethyl vinyl ether
Concen: 95.450 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

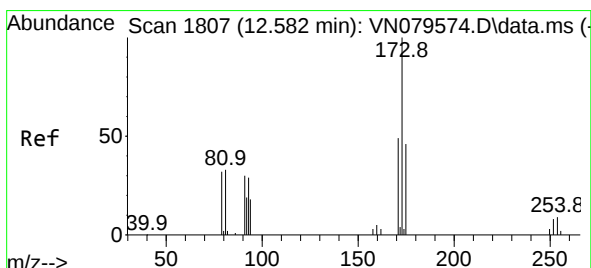
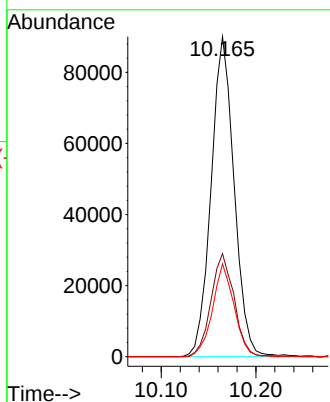
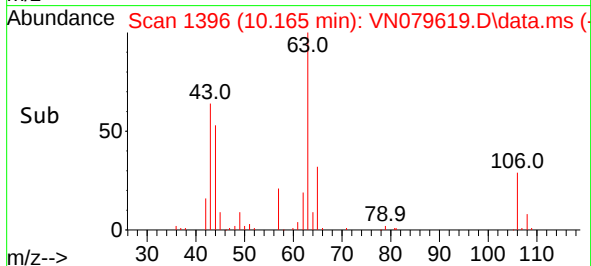
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 15166
Ion Ratio Lower Upper
63 100
65 32.4 25.9 38.9
106 27.3 20.6 30.8

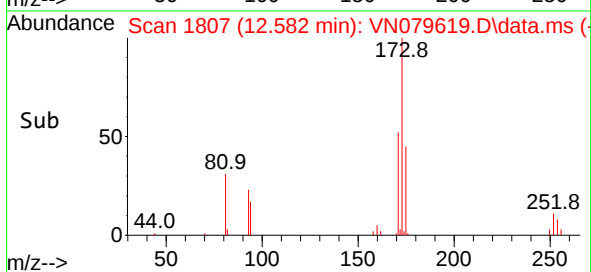
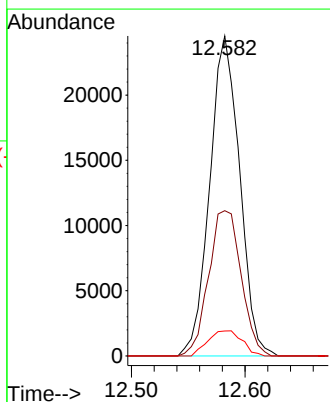
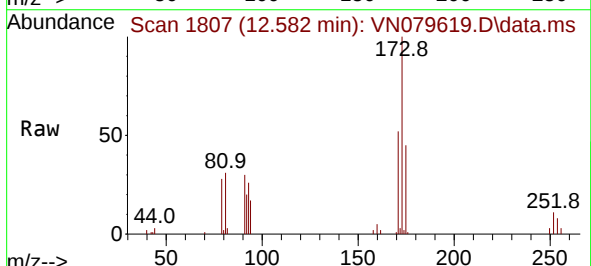
Manual Integrations
APPROVED

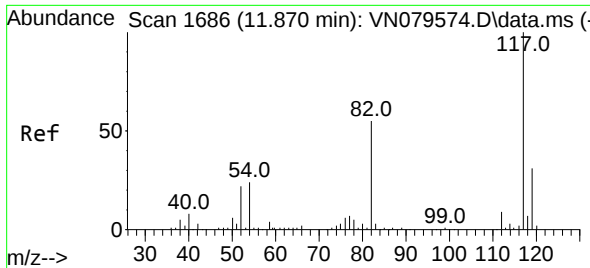
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#56
Bromoform
Concen: 21.992 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

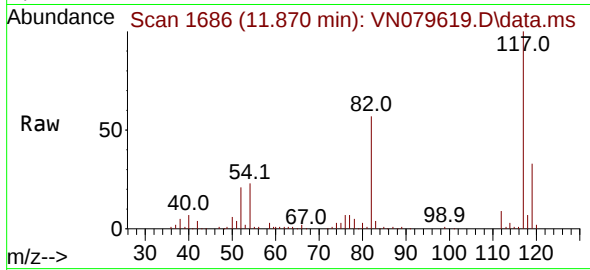
Tgt Ion:173 Resp: 44884
Ion Ratio Lower Upper
173 100
175 49.4 37.9 56.9
254 9.0 7.3 10.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

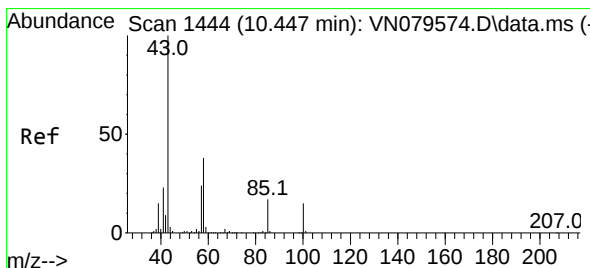
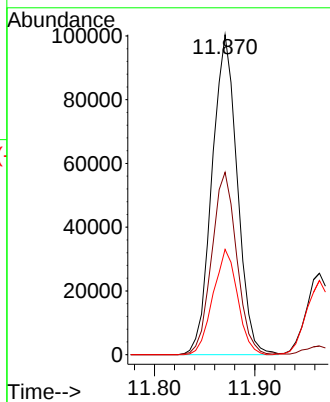
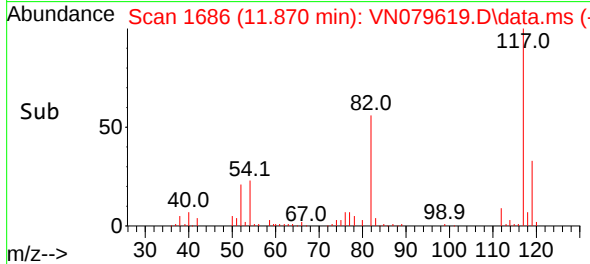
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



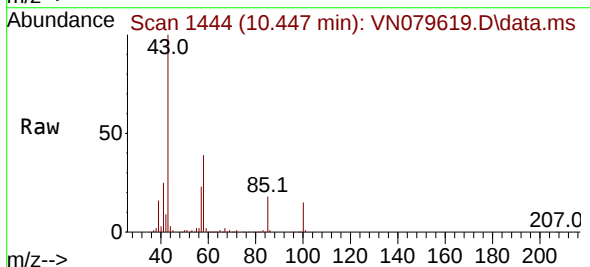
Tgt Ion: 117 Resp: 175529
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.2
119 32.1 25.2 37.8

Manual Integrations
APPROVED

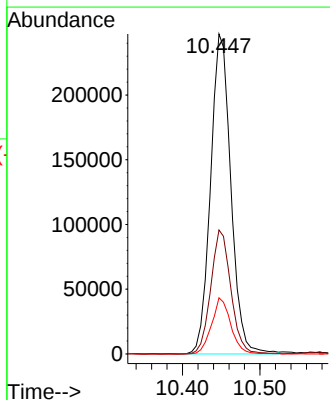
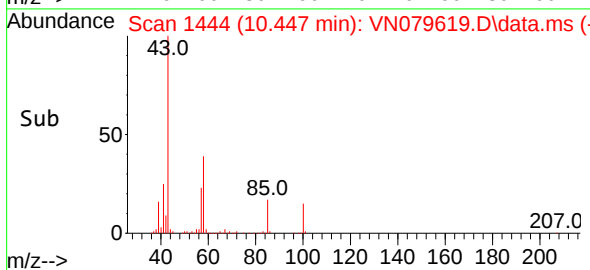
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

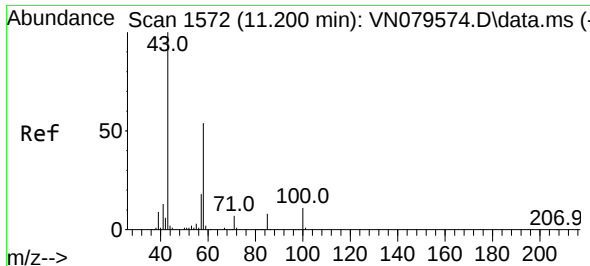


#58
4-Methyl-2-Pentanone
Concen: 109.866 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54



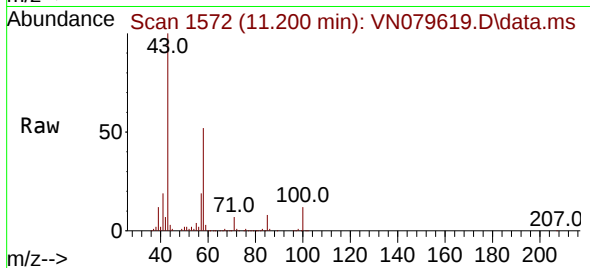
Tgt Ion: 43 Resp: 449797
Ion Ratio Lower Upper
43 100
58 38.3 30.4 45.6
85 16.5 13.2 19.8





#59
2-Hexanone
Concen: 106.450 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

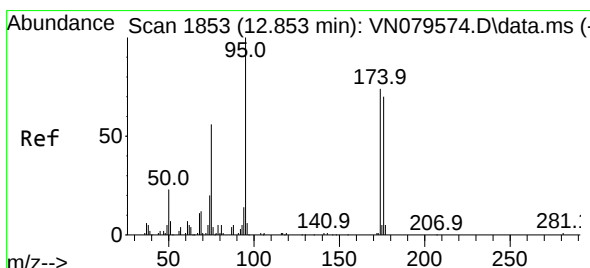
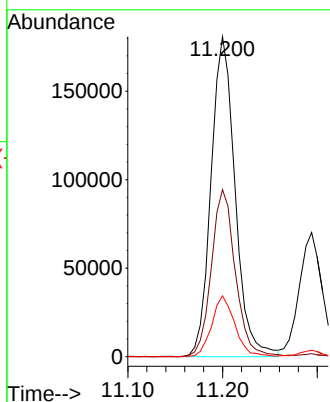
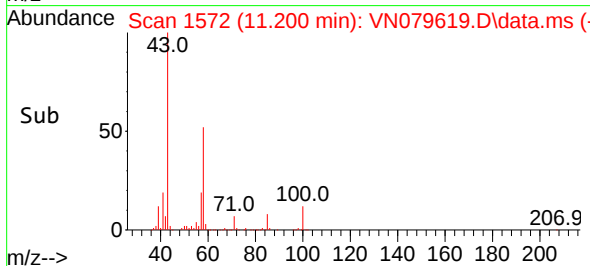
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



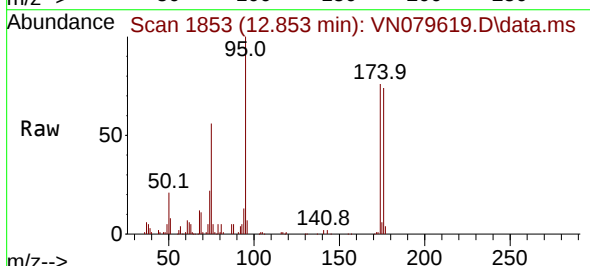
Tgt Ion: 43 Resp: 319724
Ion Ratio Lower Upper
43 100
58 51.9 42.3 63.5
57 18.3 13.9 20.9

Manual Integrations
APPROVED

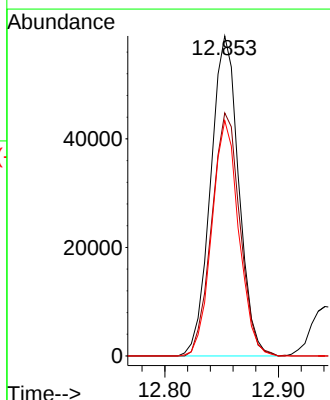
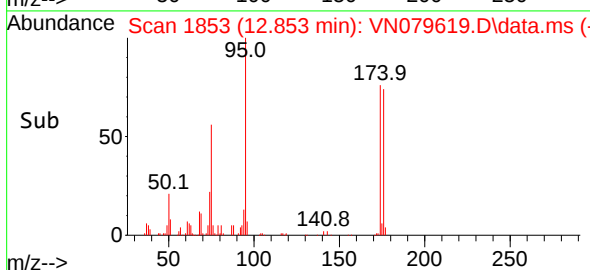
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

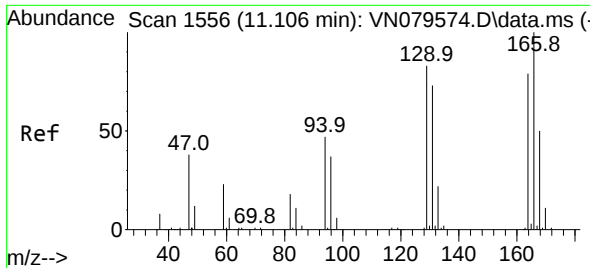


#60
4-Bromofluorobenzene
Concen: 31.585 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54



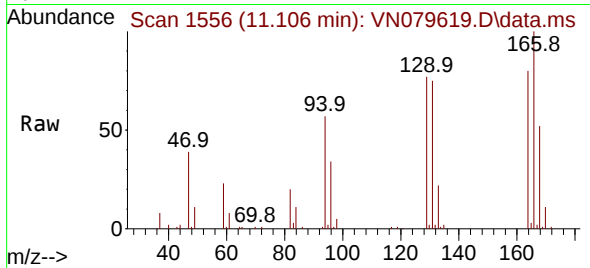
Tgt Ion: 95 Resp: 101383
Ion Ratio Lower Upper
95 100
174 76.4 60.5 90.7
176 70.5 57.2 85.8





#61
Tetrachloroethene
Concen: 21.538 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

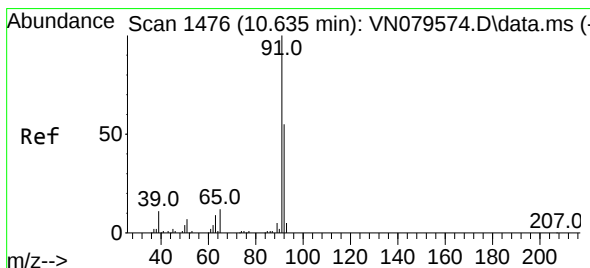
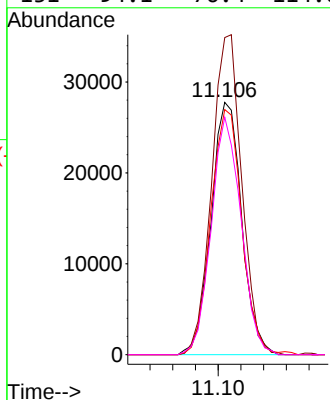
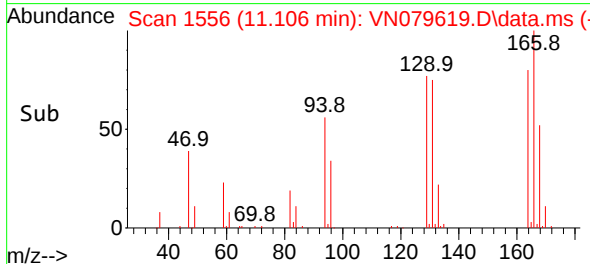
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



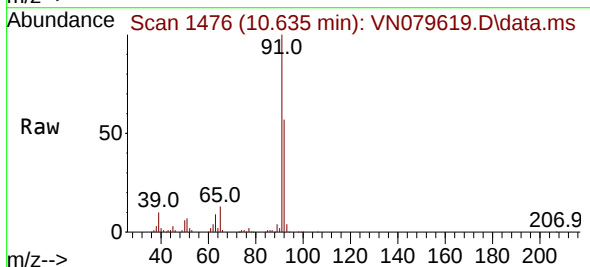
Tgt Ion:164 Resp: 51900
Ion Ratio Lower Upper
164 100
166 125.7 98.2 147.4
129 97.1 75.0 112.4
131 94.1 76.4 114.6

Manual Integrations
APPROVED

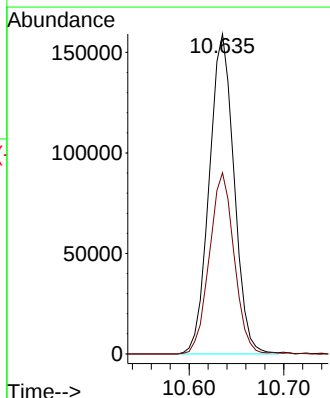
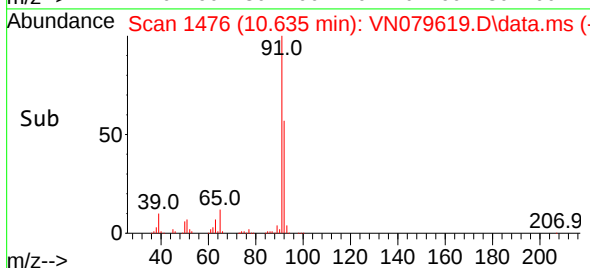
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

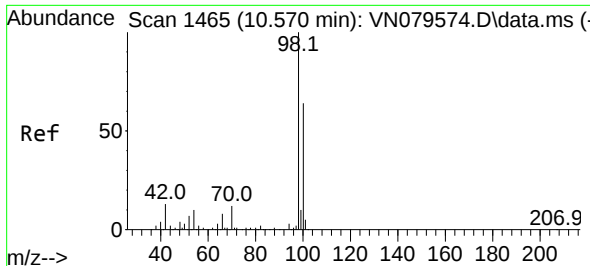


#62
Toluene
Concen: 21.631 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54



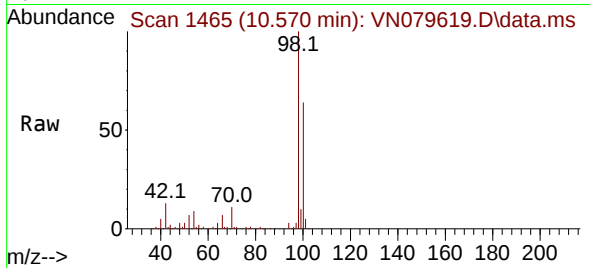
Tgt Ion: 91 Resp: 290177
Ion Ratio Lower Upper
91 100
92 56.3 45.3 67.9





#63
Toluene-d8
Concen: 31.065 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

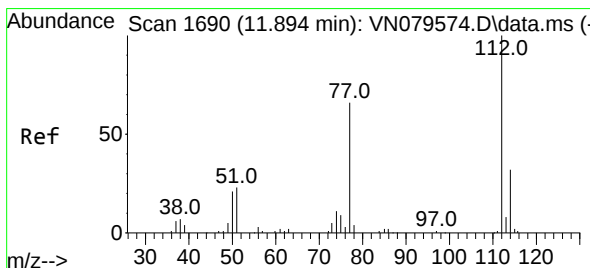
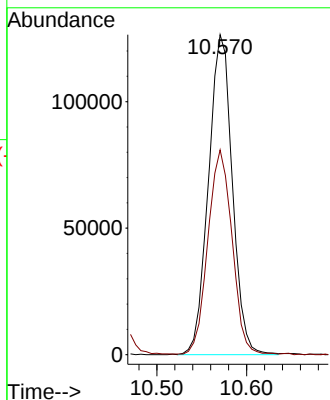
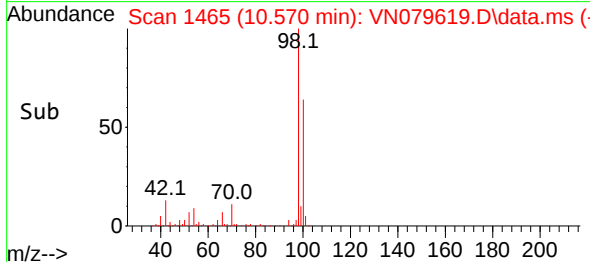
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 98 Resp: 233649
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4

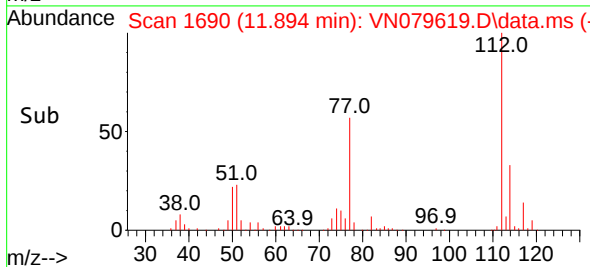
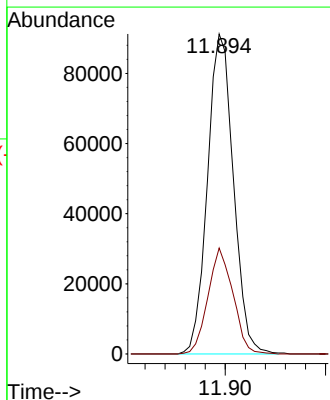
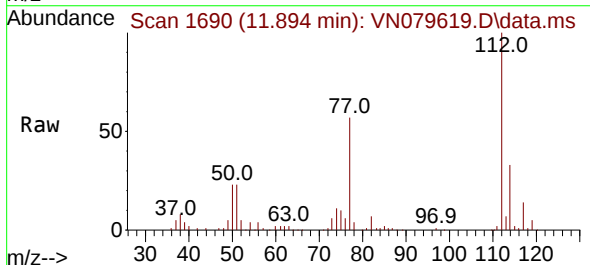
Manual Integrations
APPROVED

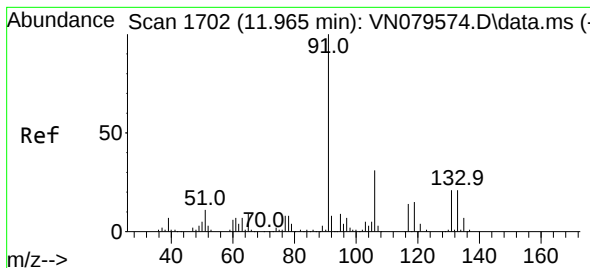
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#64
Chlorobenzene
Concen: 21.093 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

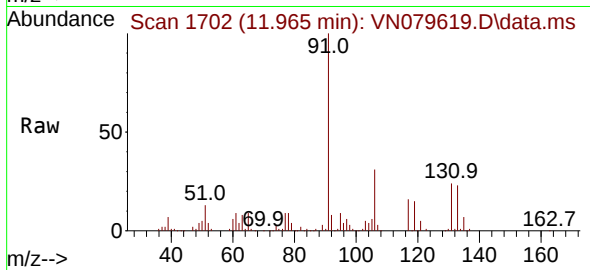
Tgt Ion:112 Resp: 164106
Ion Ratio Lower Upper
112 100
114 33.1 28.1 42.1





#65
1,1,1,2-Tetrachloroethane
Concen: 21.508 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

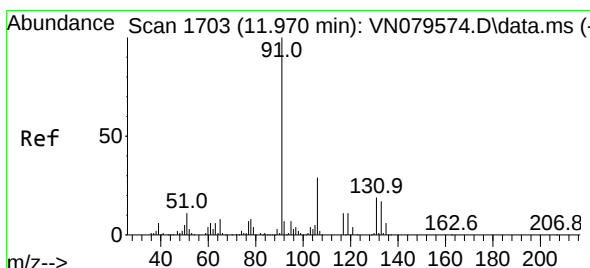
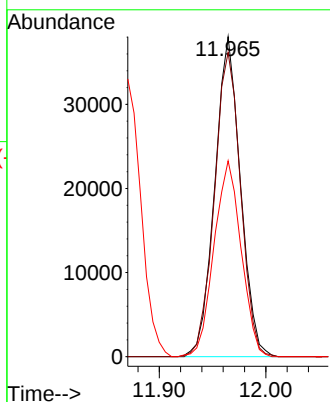
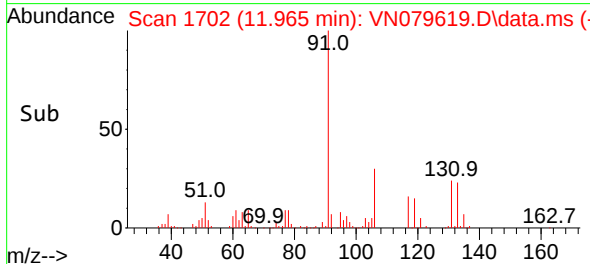
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



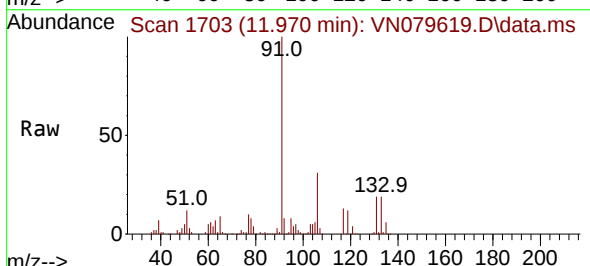
Tgt Ion:131 Resp: 63744
Ion Ratio Lower Upper
131 100
133 96.8 0.0 196.0
119 64.5 0.0 135.6

Manual Integrations
APPROVED

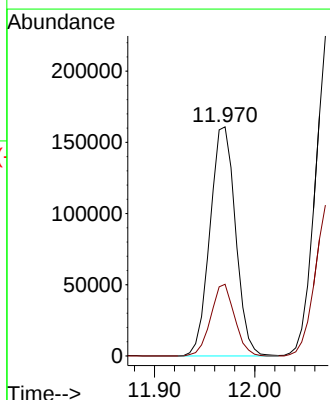
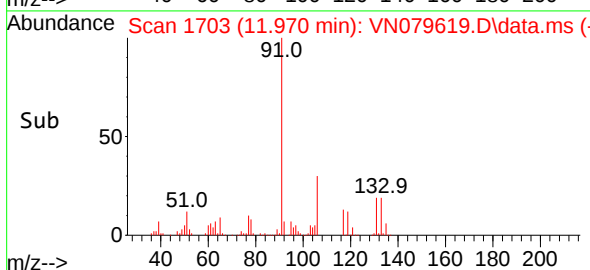
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

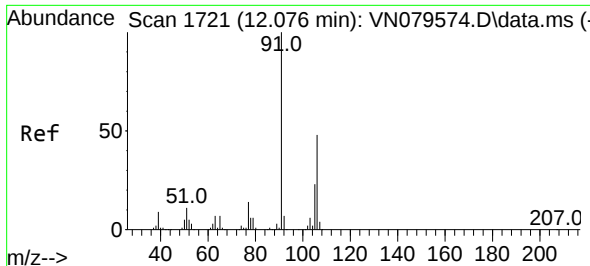


#66
Ethyl Benzene
Concen: 20.623 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54



Tgt Ion: 91 Resp: 285046
Ion Ratio Lower Upper
91 100
106 31.3 23.8 35.8





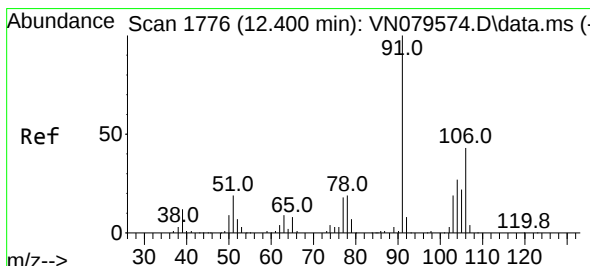
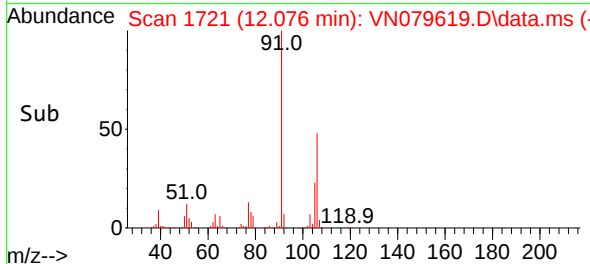
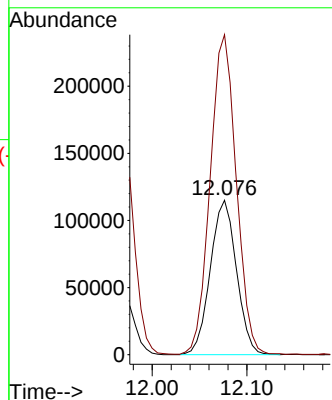
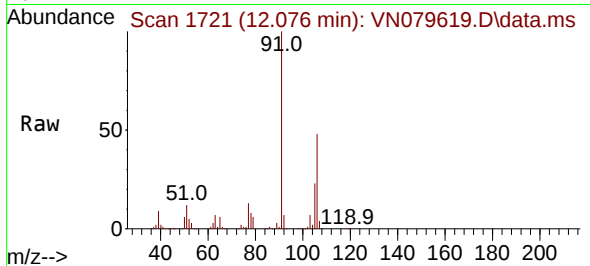
#67
m/p-Xylenes
Concen: 43.181 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 220748
Ion Ratio Lower Upper
106 100
91 206.9 161.8 242.6

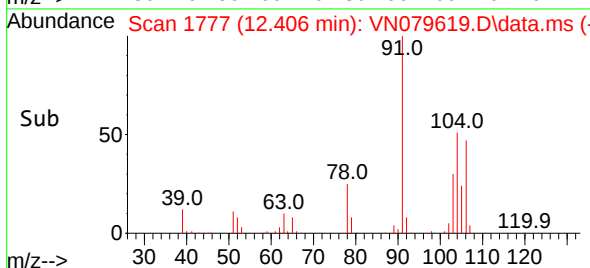
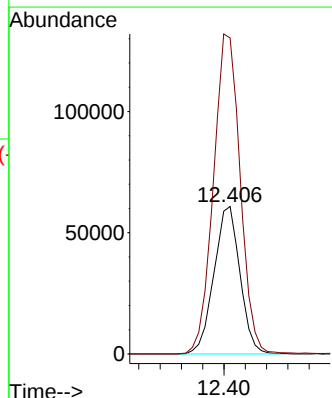
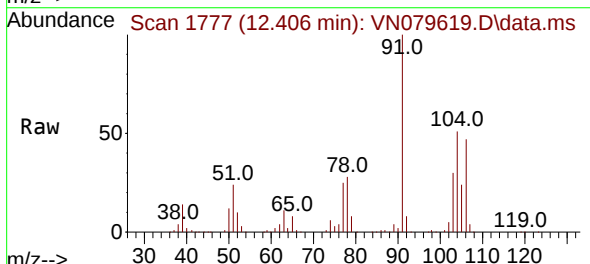
Manual Integrations
APPROVED

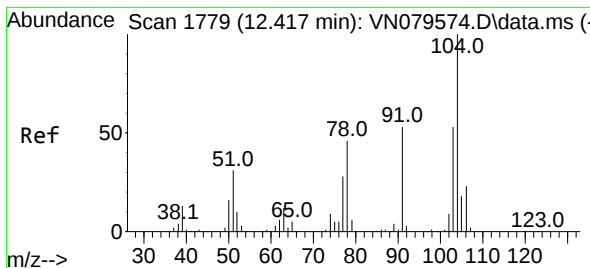
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#68
o-Xylene
Concen: 21.073 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Tgt Ion:106 Resp: 102984
Ion Ratio Lower Upper
106 100
91 223.5 109.9 329.7





#69

Styrene

Concen: 22.073 ug/l

RT: 12.417 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:104 Resp: 171248

Ion Ratio Lower Upper

104 100

78 50.1 41.2 61.8

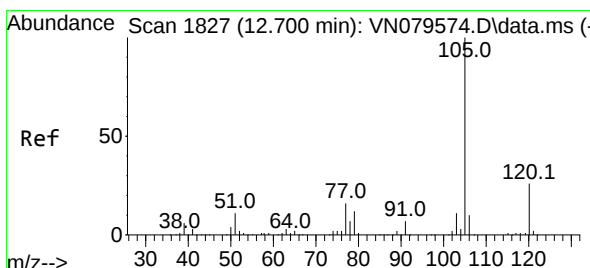
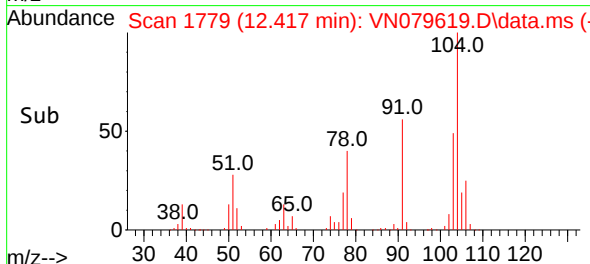
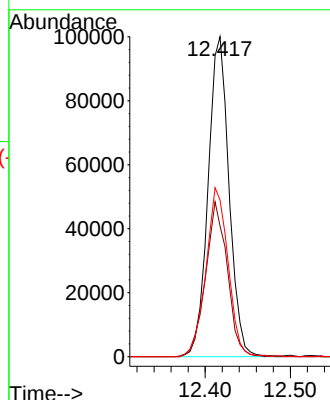
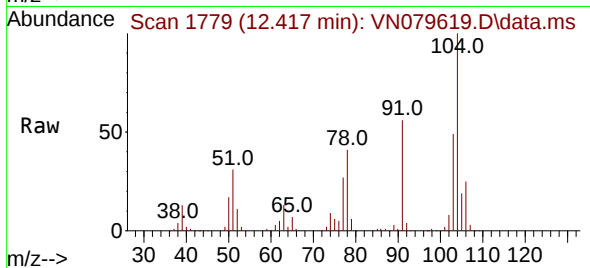
103 55.6 43.1 64.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#70

Isopropylbenzene

Concen: 20.808 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.000 min

Lab File: VN079619.D

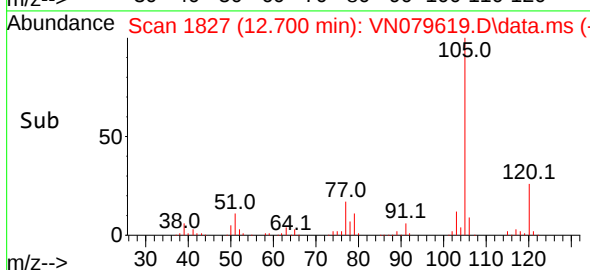
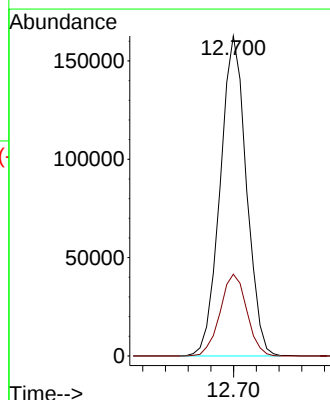
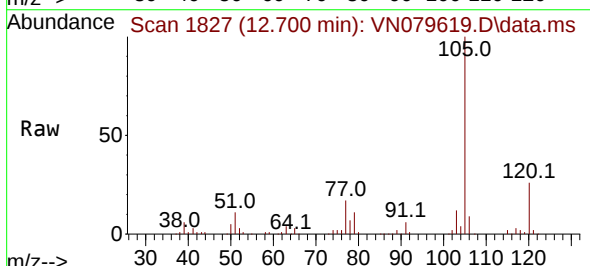
Acq: 20 Oct 2023 10:54

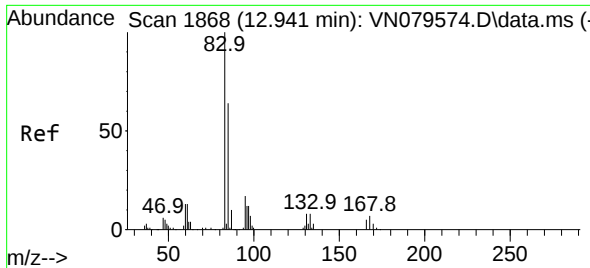
Tgt Ion:105 Resp: 260974

Ion Ratio Lower Upper

105 100

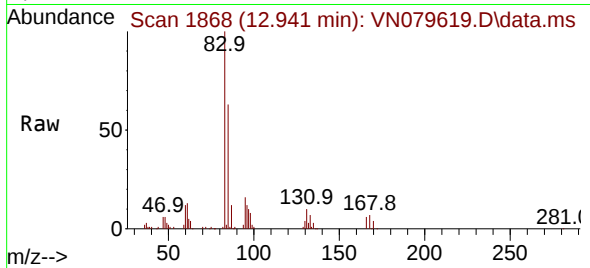
120 25.9 18.1 33.5





#71
1,1,2,2-Tetrachloroethane
Concen: 22.295 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

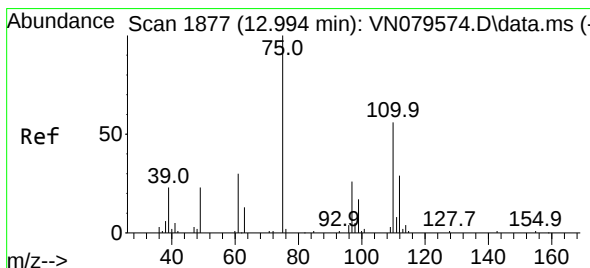
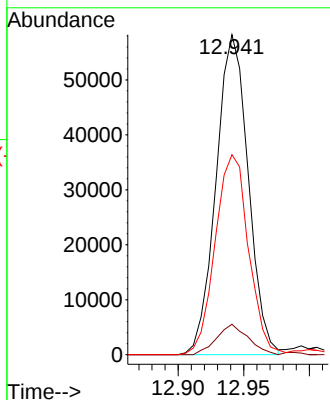
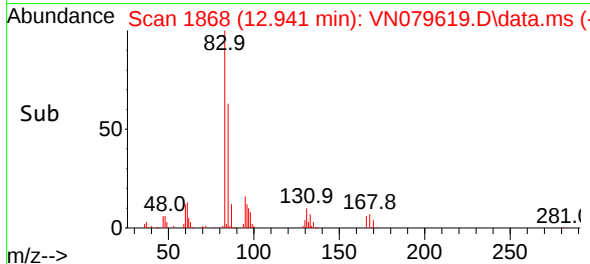
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



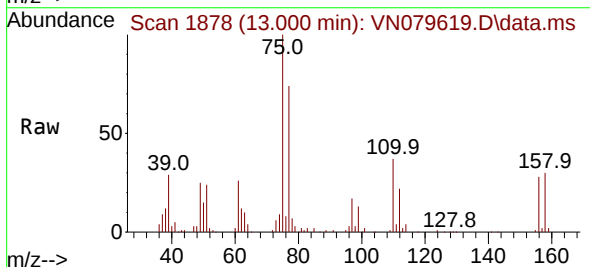
Tgt Ion: 83 Resp: 99424
Ion Ratio Lower Upper
83 100
131 9.3 4.5 13.4
85 64.6 32.1 96.3

Manual Integrations
APPROVED

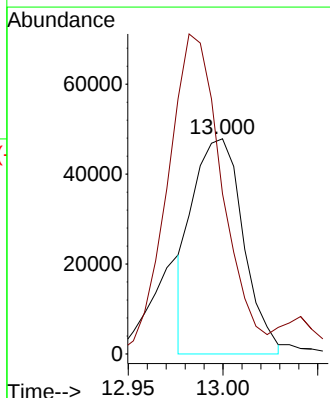
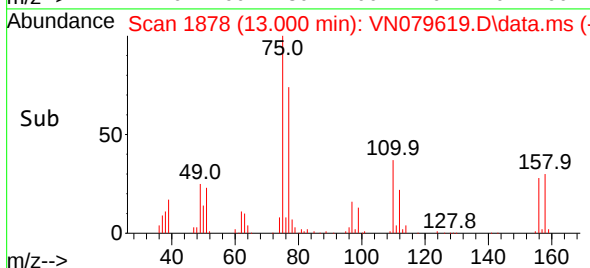
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

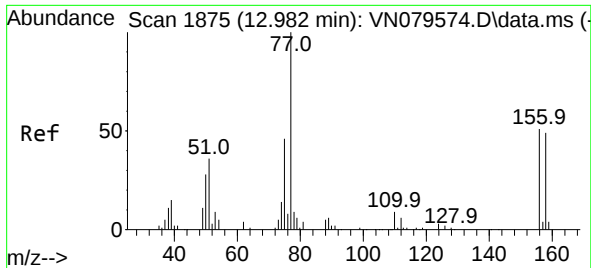


#72
1,2,3-Trichloropropane
Concen: 21.959 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. 0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54



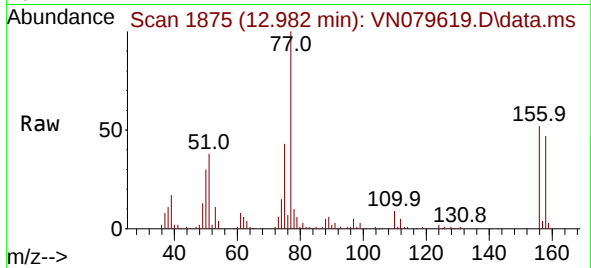
Tgt Ion: 75 Resp: 88928
Ion Ratio Lower Upper
75 100
77 161.2 0.0 338.2





#73
Bromobenzene
Concen: 21.519 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

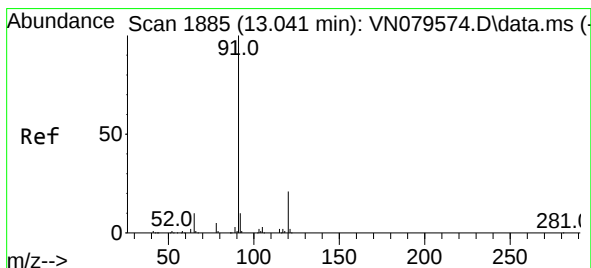
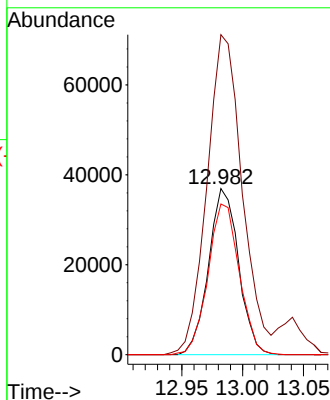
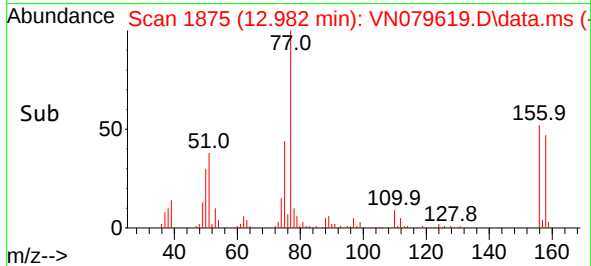
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



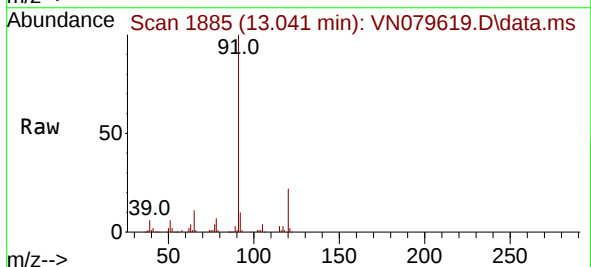
Tgt Ion:156 Resp: 63400
Ion Ratio Lower Upper
156 100
77 226.1 0.0 448.2
158 94.5 0.0 194.8

Manual Integrations
APPROVED

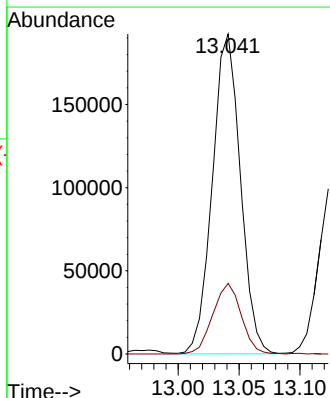
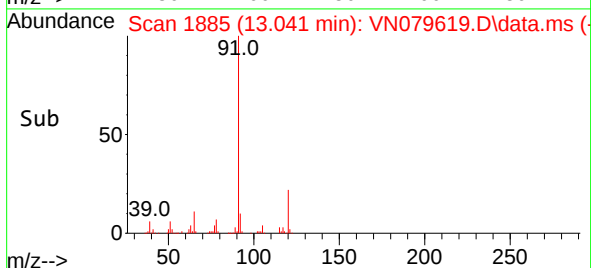
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

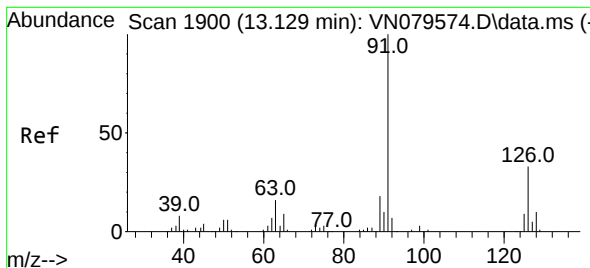


#74
n-propylbenzene
Concen: 21.083 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54



Tgt Ion: 91 Resp: 307836
Ion Ratio Lower Upper
91 100
120 22.3 0.0 42.0





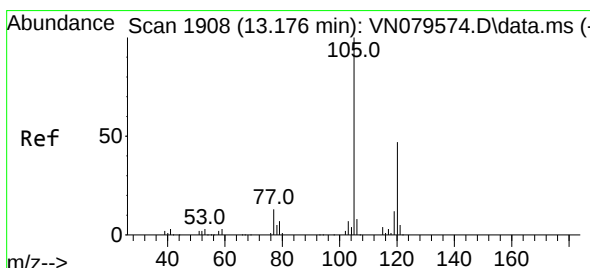
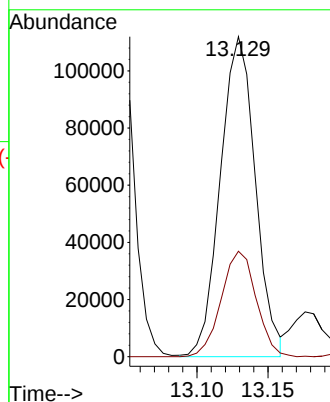
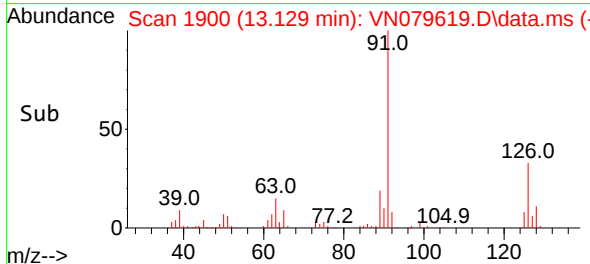
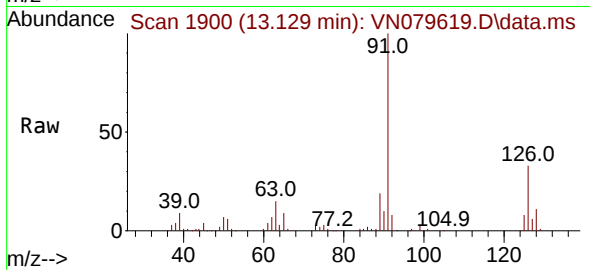
#75
2-Chlorotoluene
Concen: 21.159 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 192075
Ion Ratio Lower Upper
91 100
126 32.8 0.0 64.6

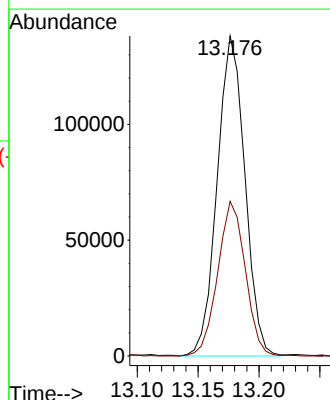
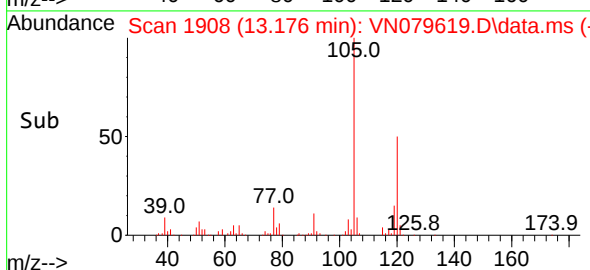
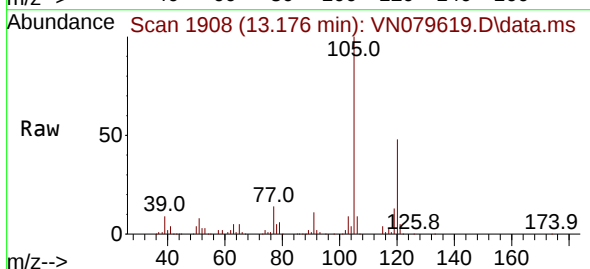
Manual Integrations
APPROVED

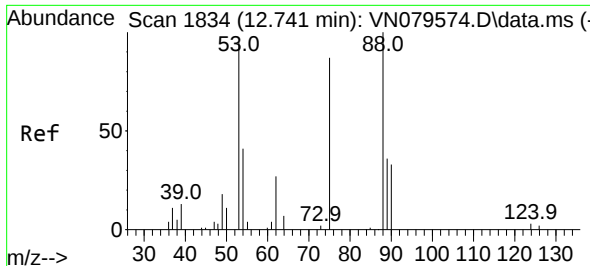
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#76
1,3,5-Trimethylbenzene
Concen: 21.317 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

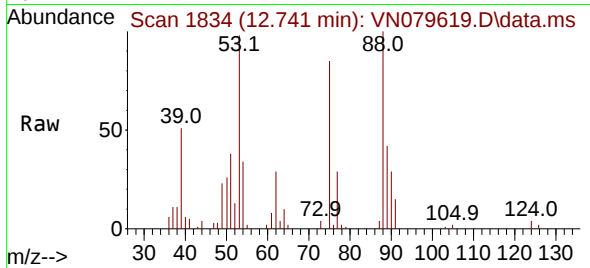
Tgt Ion:105 Resp: 218553
Ion Ratio Lower Upper
105 100
120 48.1 0.0 93.2





#77
t-1,4-Dichloro-2-butene
Concen: 20.527 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

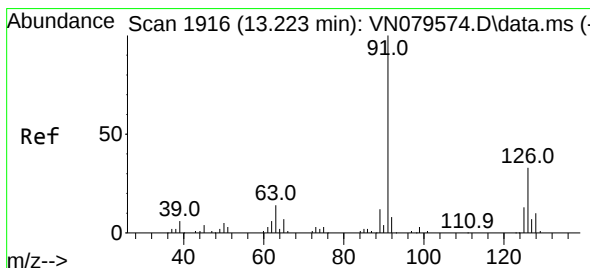
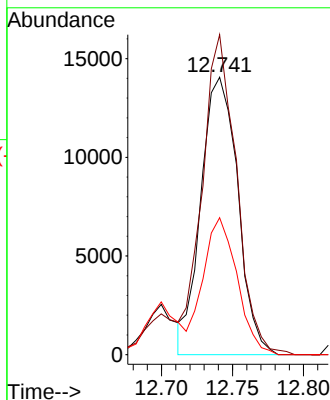
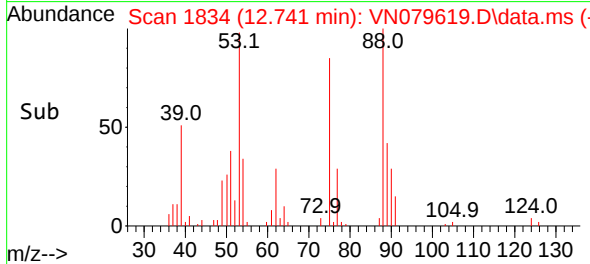
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



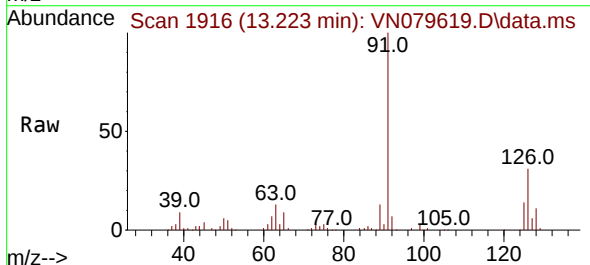
Tgt Ion: 75 Resp: 2537
Ion Ratio Lower Upper
75 100
53 113.7 53.0 159.1
89 49.4 22.6 67.7

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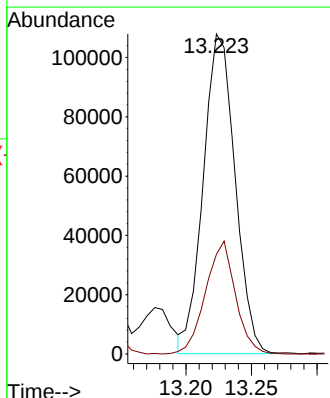
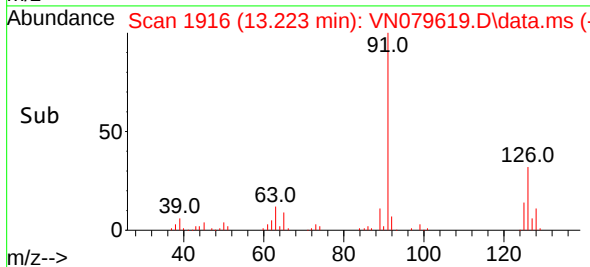
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

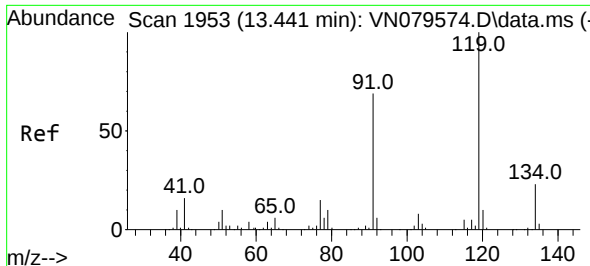


#78
4-Chlorotoluene
Concen: 21.228 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54



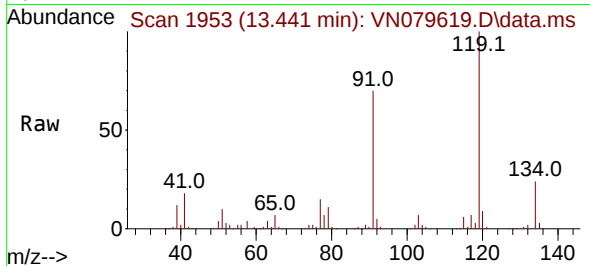
Tgt Ion: 91 Resp: 182069
Ion Ratio Lower Upper
91 100
126 33.2 0.0 65.4





#79
tert-butylbenzene
Concen: 20.778 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

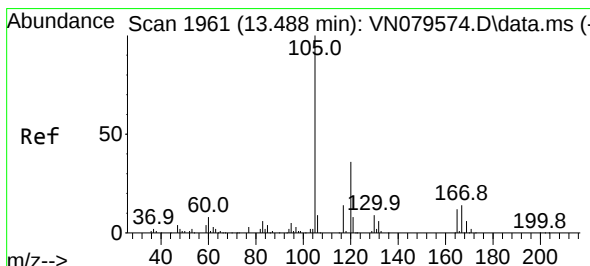
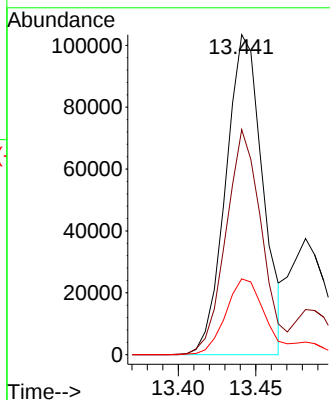
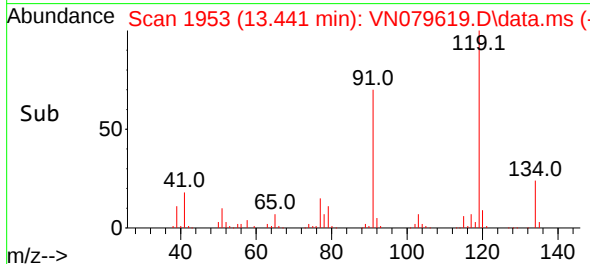
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



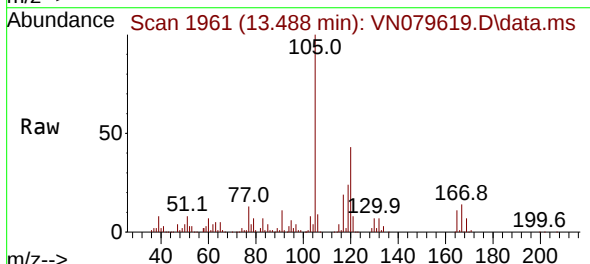
Tgt Ion:119 Resp: 171270
Ion Ratio Lower Upper
119 100
91 68.7 0.0 140.6
134 24.9 0.0 49.8

Manual Integrations
APPROVED

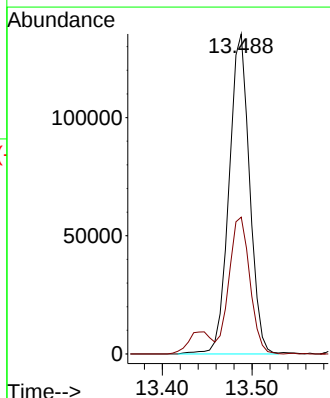
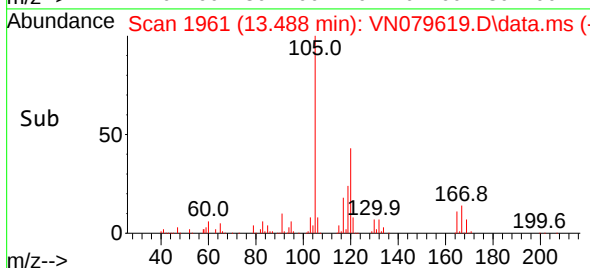
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

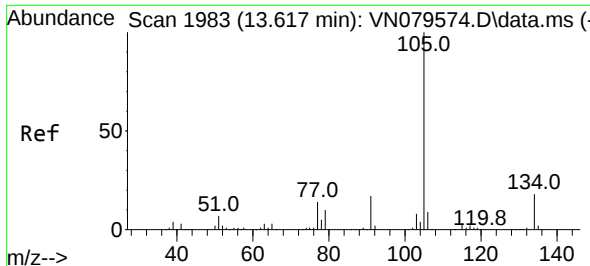


#80
1,2,4-Trimethylbenzene
Concen: 21.577 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54



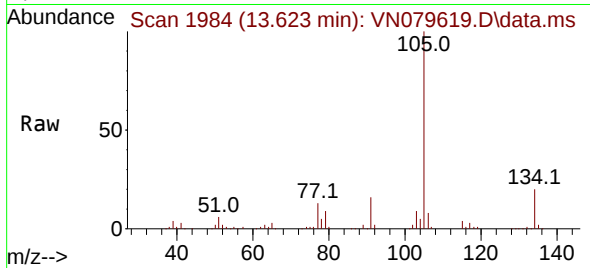
Tgt Ion:105 Resp: 214356
Ion Ratio Lower Upper
105 100
120 43.5 0.0 88.6





#81
 sec-Butylbenzene
 Concen: 21.289 ug/l
 RT: 13.623 min Scan# 1983
 Delta R.T. 0.006 min
 Lab File: VN079619.D
 Acq: 20 Oct 2023 10:54

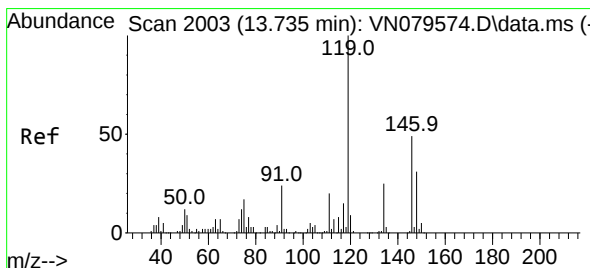
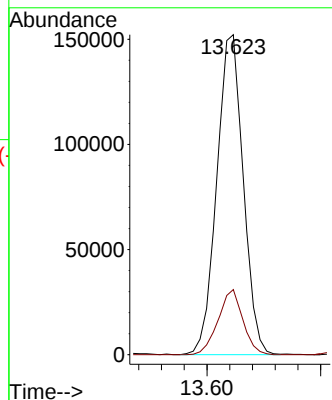
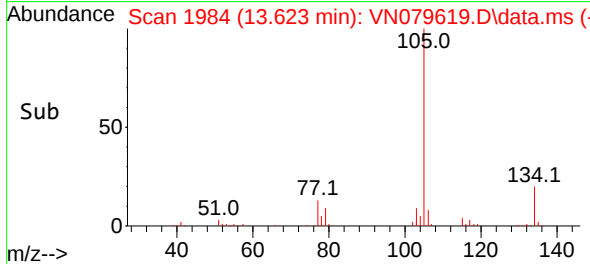
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion:105 Resp: 246369
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 38.2

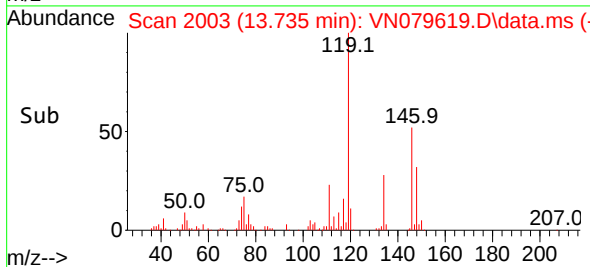
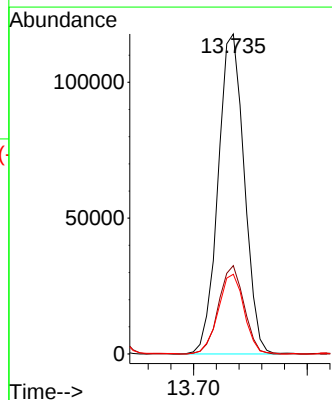
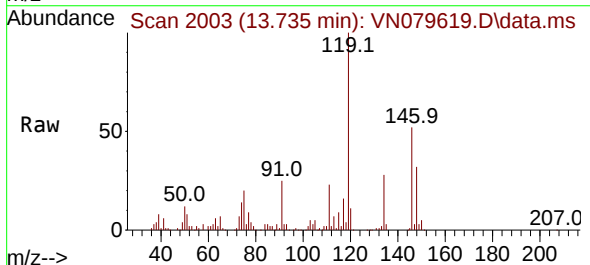
Manual Integrations
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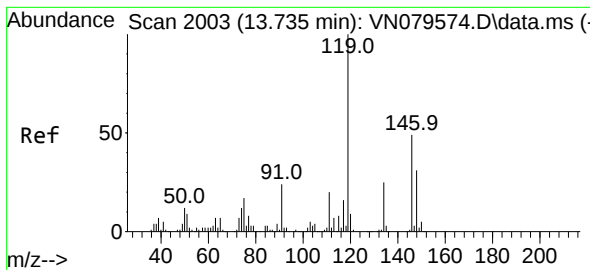
Reviewed By :John Carlone 10/23/2023
 Supervised By :Semsettin Yesilyurt 10/24/2023



#82
 p-Isopropyltoluene
 Concen: 20.536 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN079619.D
 Acq: 20 Oct 2023 10:54

Tgt Ion:119 Resp: 188513
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 52.2
 91 24.7 0.0 50.0





#83

1,3-Dichlorobenzene

Concen: 21.767 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:146 Resp: 105450

Ion Ratio Lower Upper

146 100

111 42.9 21.0 63.0

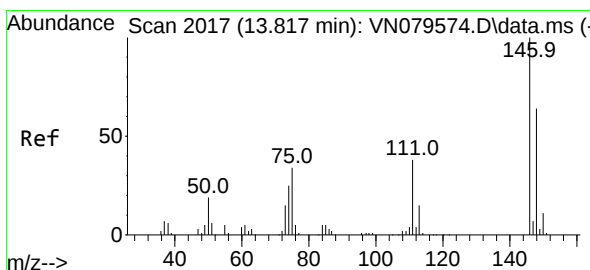
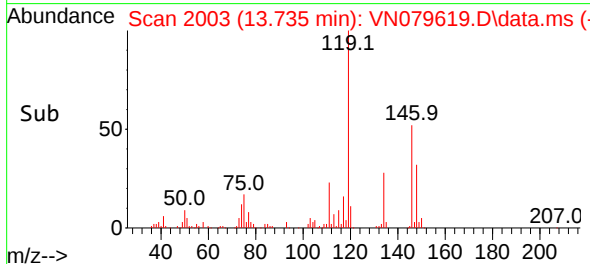
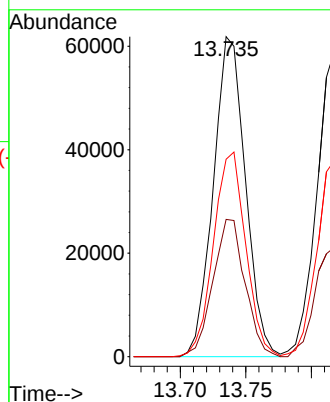
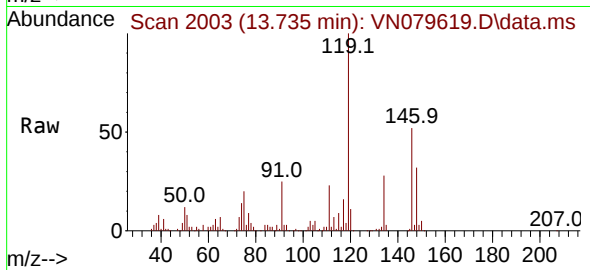
148 64.2 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#84

1,4-Dichlorobenzene

Concen: 21.102 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

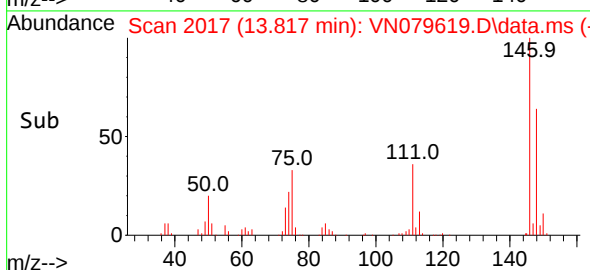
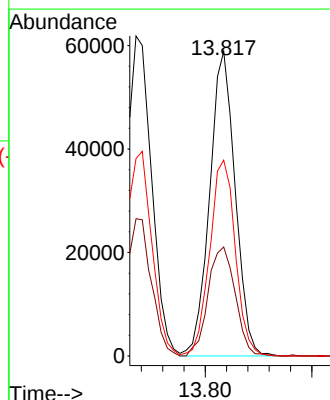
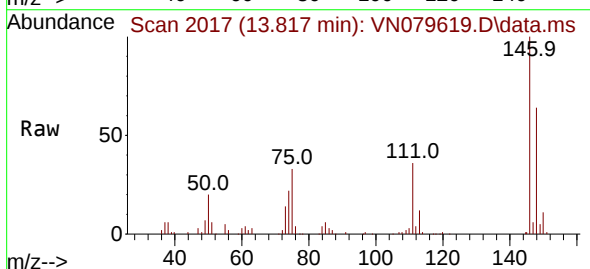
Tgt Ion:146 Resp: 98010

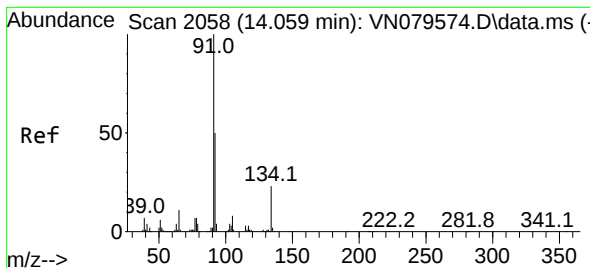
Ion Ratio Lower Upper

146 100

111 38.1 19.9 59.7

148 64.5 32.6 97.7





#85

n-Butylbenzene

Concen: 19.012 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN079619.D

Acq: 20 Oct 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 91 Resp: 136359

Ion Ratio Lower Upper

91 100

92 51.7 0.0 99.6

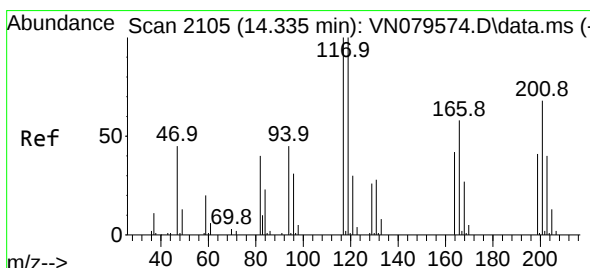
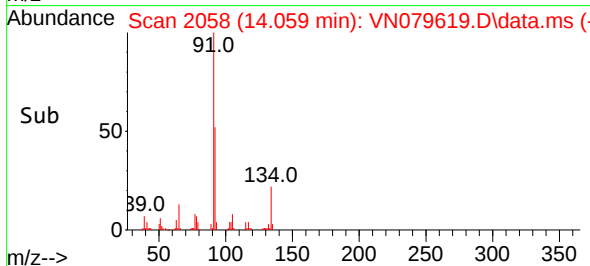
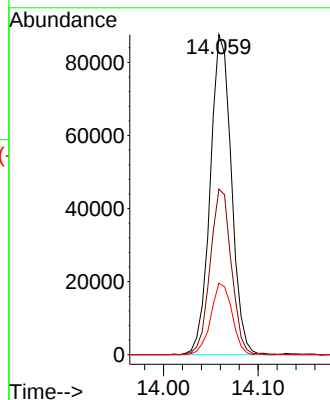
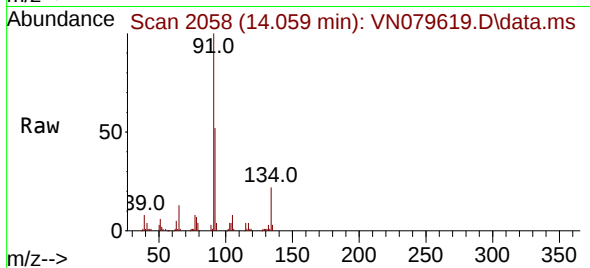
134 22.3 0.0 46.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/23/2023

Supervised By :Semsettin Yesilyurt 10/24/2023



#86

Hexachloroethane

Concen: 21.337 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. 0.006 min

Lab File: VN079619.D

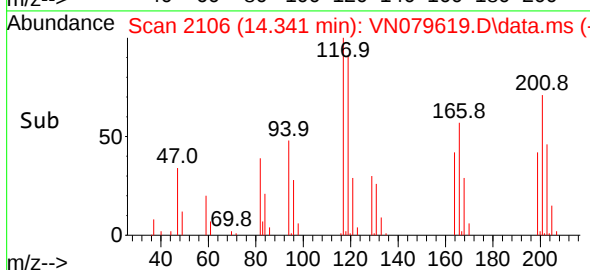
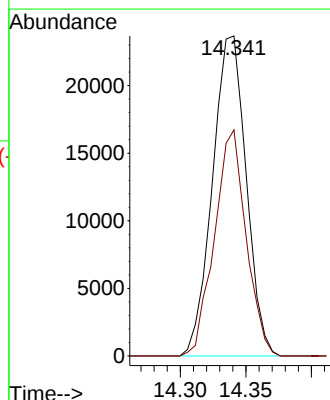
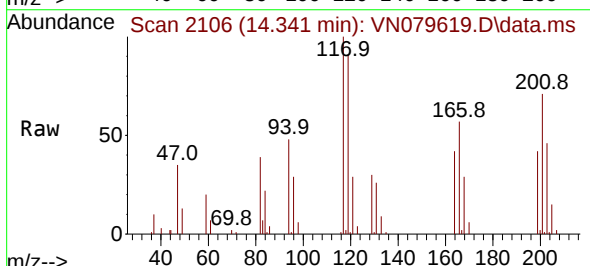
Acq: 20 Oct 2023 10:54

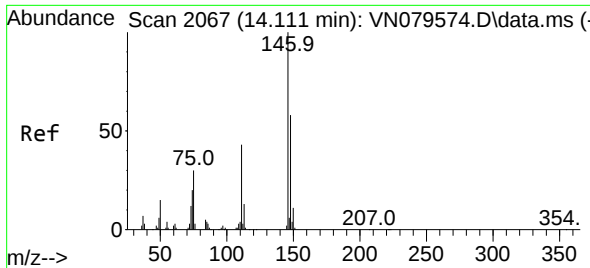
Tgt Ion:117 Resp: 42345

Ion Ratio Lower Upper

117 100

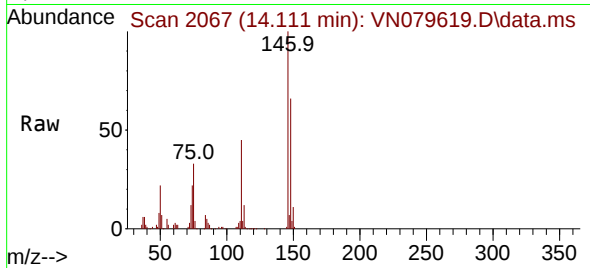
201 66.2 32.5 97.5





#87
1,2-Dichlorobenzene
Concen: 21.715 ug/l
RT: 14.111 min Scan# 2067
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

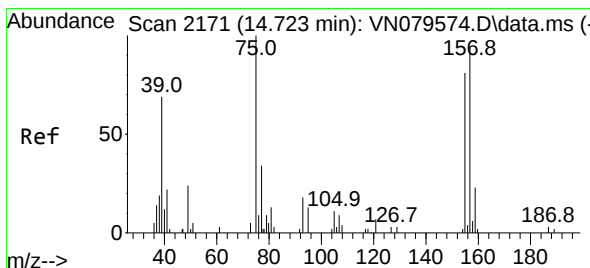
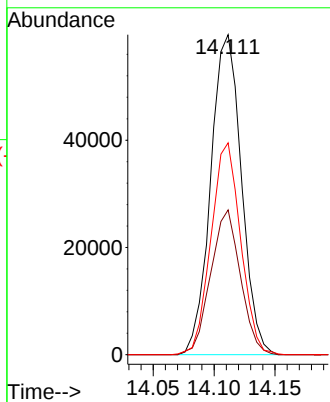
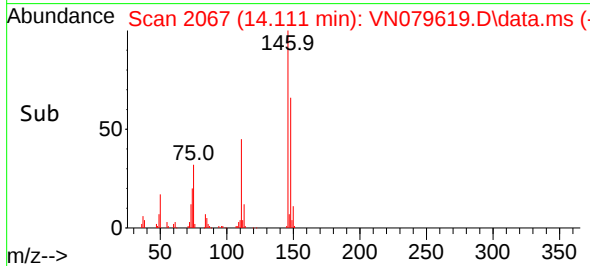
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:146 Resp: 104568
Ion Ratio Lower Upper
146 100
111 43.9 22.0 66.0
148 64.0 31.1 93.5

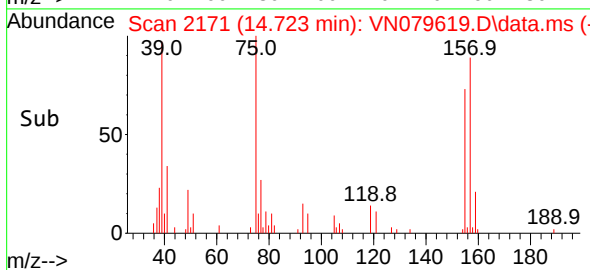
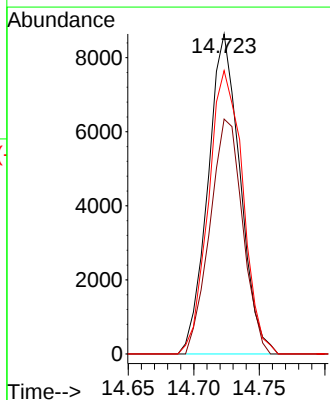
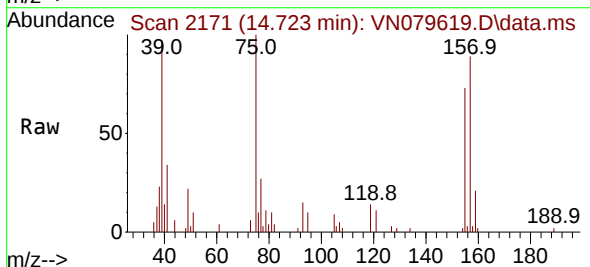
Manual Integrations
APPROVED

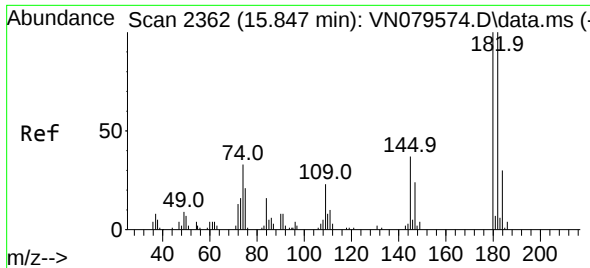
Reviewed By :John Carbone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 21.654 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

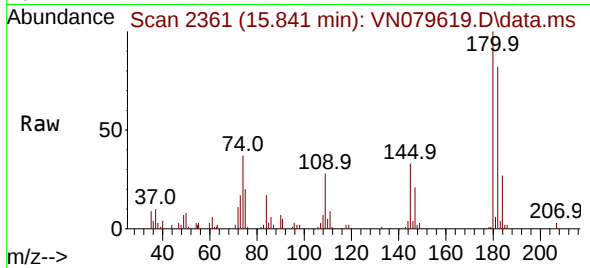
Tgt Ion: 75 Resp: 14714
Ion Ratio Lower Upper
75 100
155 74.9 60.7 91.1
157 94.4 76.8 115.2





#89
1,2,4-Trichlorobenzene
Concen: 16.992 ug/l
RT: 15.841 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

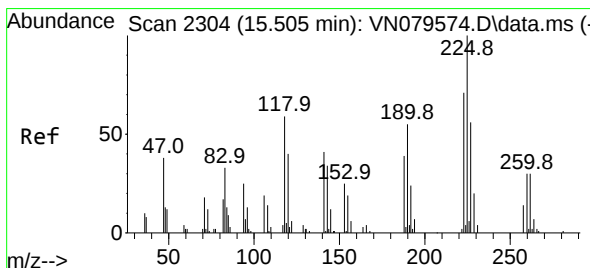
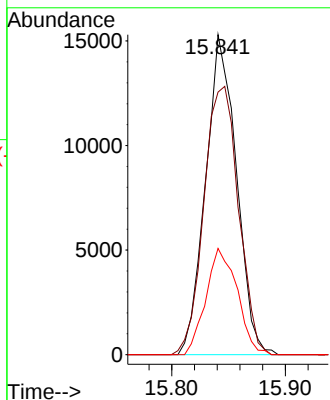
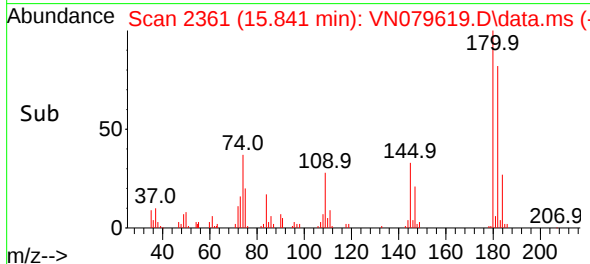
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



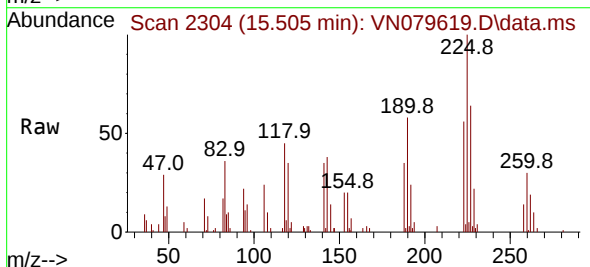
Tgt Ion:180 Resp: 2884
Ion Ratio Lower Upper
180 100
182 94.2 74.2 111.4
145 33.6 25.4 38.2

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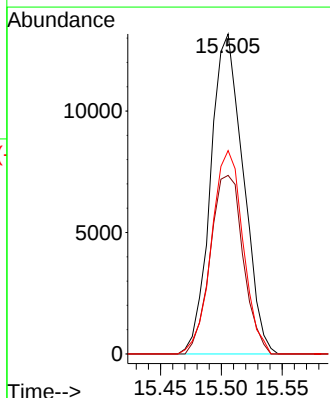
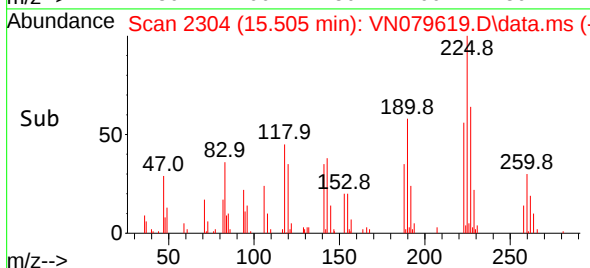
Reviewed By :John Carlone 10/23/2023
Supervised By :Semsettin Yesilyurt 10/24/2023

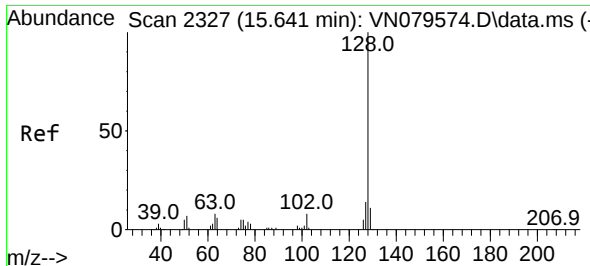


#90
Hexachlorobutadiene
Concen: 20.450 ug/l
RT: 15.505 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54



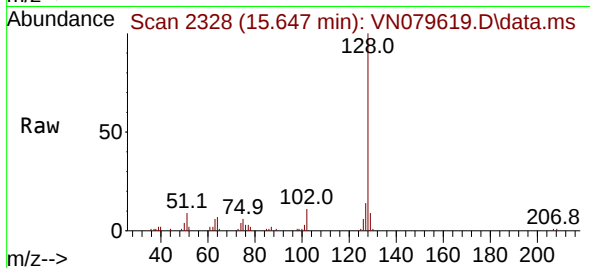
Tgt Ion:225 Resp: 24586
Ion Ratio Lower Upper
225 100
223 56.3 0.0 126.0
227 61.5 0.0 127.0





#91
Naphthalene
Concen: 13.688 ug/l
RT: 15.647 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

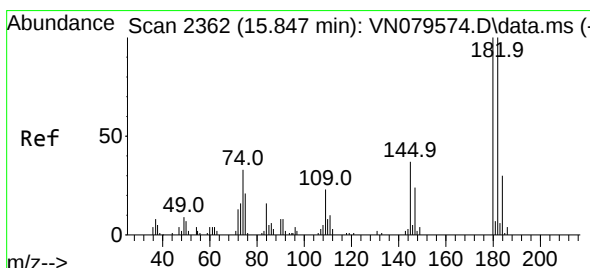
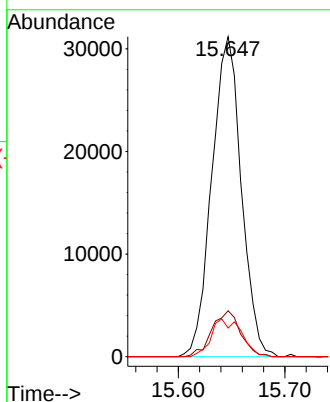
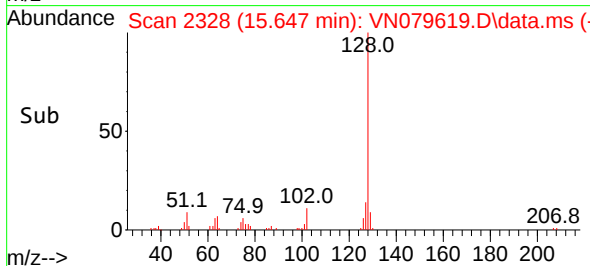
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 59929
Ion Ratio Lower Upper
128 100
127 14.0 10.9 16.3
129 7.1 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: 16.992 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN079619.D
Acq: 20 Oct 2023 10:54

Tgt Ion:180 Resp: 28841
Ion Ratio Lower Upper
180 100
182 94.2 0.0 185.6
145 33.6 0.0 63.6

