

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
 Data File : VN078373.D
 Acq On : 23 Jun 2023 12:45
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN062323

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/24/2023
 Supervised By : Mahesh Dadoda 06/26/2023

Quant Time: Jun 24 01:05:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 24 00:59:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	78394	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	448927	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	385815	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	176026	29.818	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.400%		
60) 4-Bromofluorobenzene	12.853	95	164317	30.229	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.767%		
63) Toluene-d8	10.576	98	559690	29.940	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	103056	21.705	ug/l	96
3) Chloromethane	2.371	50	125818	21.973	ug/l	92
4) Vinyl Chloride	2.524	62	153732	21.826	ug/l	97
5) Bromomethane	2.977	94	109039	19.042	ug/l	95
6) Chloroethane	3.130	64	104230	20.775	ug/l	96
7) Trichlorofluoromethane	3.512	101	182737	22.043	ug/l	97
8) Diethyl Ether	3.977	74	57918	20.929	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.383	101	99119	21.999	ug/l	97
10) 1,1-Dichloroethene	4.359	96	94441	21.373	ug/l	92
11) Methyl Iodide	4.600	142	136623	21.825	ug/l	94
12) Methyl Acetate	5.042	43	152483	22.244	ug/l	96
13) Acrolein	4.194	56	89300	104.037	ug/l	100
14) Acrylonitrile	5.736	53	203683	109.683	ug/l	98
15) Acetone	4.442	58	65035	122.817	ug/l	88
16) Carbon Disulfide	4.730	76	251569	20.835	ug/l	99
17) Allyl chloride	5.036	41	119145	21.498	ug/l	92
18) Methylene Chloride	5.294	84	114229	21.816	ug/l	94
19) trans-1,2-Dichloroethene	5.800	96	103405	21.205	ug/l	94
20) Diisopropyl ether	6.683	45	286401	21.513	ug/l	98
21) 1,1-Dichloroethane	6.577	63	194578	22.035	ug/l	96
22) cis-1,2-Dichloroethene	7.500	96	122058	22.002	ug/l	98
23) tert-Butyl Alcohol	5.536	59	64726	93.307	ug/l #	100
24) Methyl tert-Butyl Ether	5.806	73	301731	21.657	ug/l #	81
25) Chloroform	7.977	83	206424	22.120	ug/l	95
26) Cyclohexane	8.265	56	137721	21.792	ug/l #	97
29) 1,1-Dichloropropene	8.377	75	151171	21.723	ug/l	99
30) 2-Butanone	7.494	43	274292	112.448	ug/l	99
31) 2,2-Dichloropropane	7.500	77	163601	21.987	ug/l	99
32) 1,1,1-Trichloroethane	8.182	97	183601	21.652	ug/l	99
33) Carbon Tetrachloride	8.371	117	160720	21.738	ug/l	90
34) Benzene	8.612	78	449498	21.660	ug/l	100
35) Methacrylonitrile	7.788	41	61856	22.118	ug/l	85
36) 1,2-Dichloroethane	8.682	62	155983	22.046	ug/l	100
37) Trichloroethene	9.359	130	116788	22.027	ug/l	95
38) Methylcyclohexane	9.606	83	126391	20.672	ug/l	98
39) 1,2-Dichloropropane	9.629	63	115825	22.281	ug/l	95
40) Dibromomethane	9.718	93	81439	21.710	ug/l	96
41) Bromodichloromethane	9.894	83	159796	21.927	ug/l #	94
42) Vinyl Acetate	6.618	43	835799	107.561	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	112462	21.897	ug/l	100
44) Isopropyl Acetate	8.694	43	193052	20.811	ug/l	97
45) 1,4-Dioxane	9.700	88	29857	364.824	ug/l #	87
46) Methyl methacrylate	9.688	41	88495	21.431	ug/l	97
47) n-amyl Acetate	12.500	43	144540	21.196	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	159022	21.256	ug/l	99
49) cis-1,3-Dichloropropene	10.318	75	174736	21.191	ug/l	96
50) 1,1,2-Trichloroethane	11.023	97	110519	21.977	ug/l	99
51) Ethyl methacrylate	10.882	69	144648	21.026	ug/l	94
52) 1,3-Dichloropropane	11.171	76	189427	22.444	ug/l	98
53) Dibromochloromethane	11.365	129	117479	22.025	ug/l	99
54) 1,2-Dibromoethane	11.470	107	113184	22.331	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	240883	94.910	ug/l	98
56) Bromoform	12.582	173	69676	21.340	ug/l #	96
58) 4-Methyl-2-Pentanone	10.453	43	569631	110.561	ug/l	100
59) 2-Hexanone	11.200	43	395040	111.020	ug/l	100
61) Tetrachloroethene	11.112	164	97198	22.991	ug/l	90
62) Toluene	10.635	91	494726	22.033	ug/l	99
64) Chlorobenzene	11.894	112	293145	22.027	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.965	131	111881	21.801	ug/l	98
66) Ethyl Benzene	11.970	91	502310	21.985	ug/l	99
67) m/p-Xylenes	12.076	106	385498	44.623	ug/l	99
68) o-Xylene	12.406	106	187753	22.412	ug/l	97
69) Styrene	12.417	104	291561	21.981	ug/l	98
70) Isopropylbenzene	12.700	105	453418	22.027	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	147799	22.079	ug/l	97
72) 1,2,3-Trichloropropane	13.000	75	116858m	20.943	ug/l	
73) Bromobenzene	12.982	156	106549	21.650	ug/l	99
74) n-propylbenzene	13.041	91	485994	21.712	ug/l	100
75) 2-Chlorotoluene	13.129	91	325807	21.502	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	366299	21.460	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	37967	21.051	ug/l	82
78) 4-Chlorotoluene	13.229	91	297320	20.968	ug/l	100
79) tert-butylbenzene	13.441	119	305583	21.763	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	360275	22.337	ug/l	98
81) sec-Butylbenzene	13.617	105	373041	21.296	ug/l	98
82) p-Isopropyltoluene	13.735	119	302917	21.499	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	165923	21.271	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	159516	21.151	ug/l	98
85) n-Butylbenzene	14.059	91	210761	20.251	ug/l	99
86) Hexachloroethane	14.335	117	57689	21.273	ug/l	97
87) 1,2-Dichlorobenzene	14.111	146	166606	21.547	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.729	75	20862	20.684	ug/l	96
89) 1,2,4-Trichlorobenzene	15.400	180	41824	17.740	ug/l	96
90) Hexachlorobutadiene	15.506	225	30460	19.003	ug/l	90
91) Naphthalene	15.647	128	131769	17.057	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	52422	19.220	ug/l	95

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

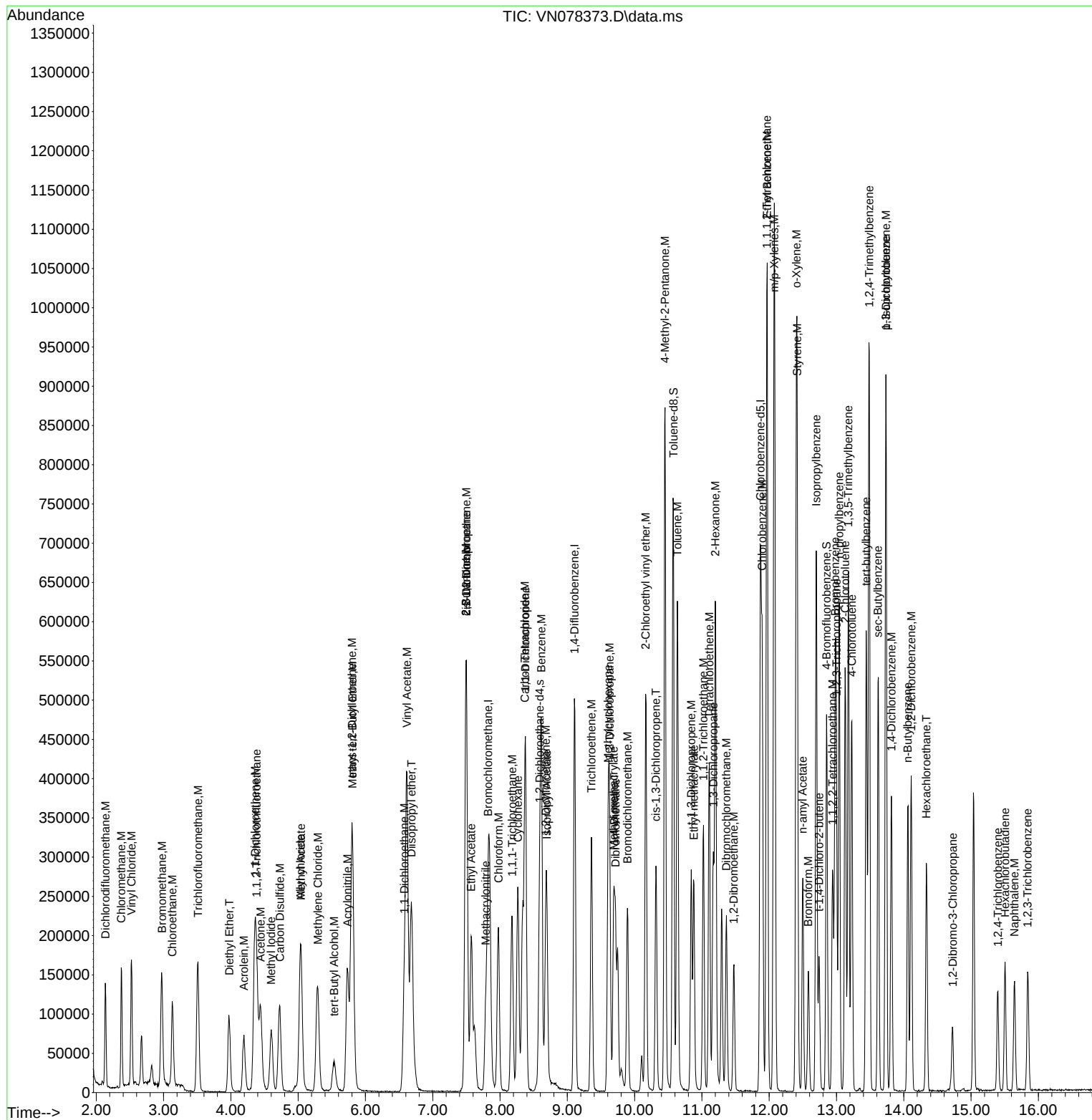
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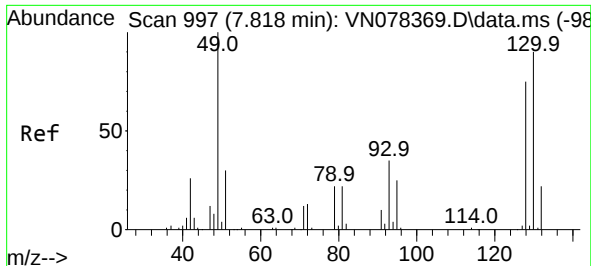
Instrument :
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 ICSVN062323

Manual Integrations APPROVED

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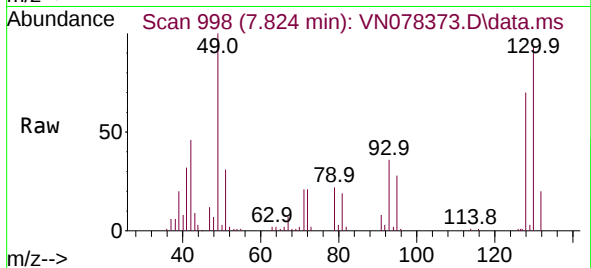
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

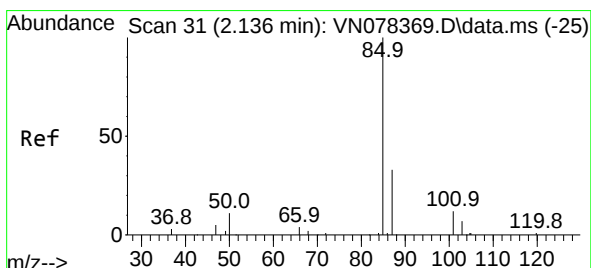
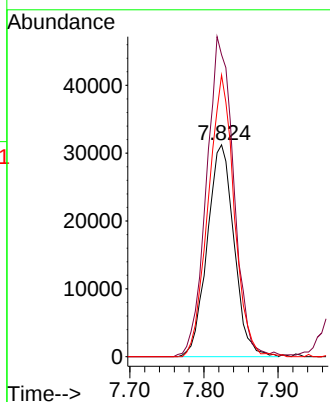
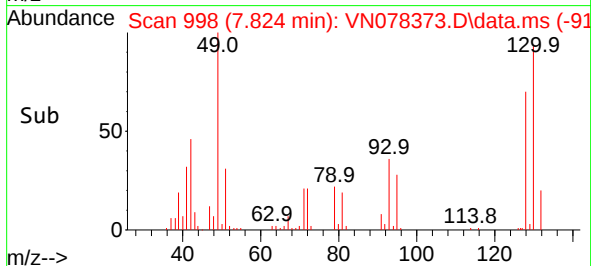
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



Tgt Ion:128 Resp: 78394
Ion Ratio Lower Upper
128 100
49 152.8 0.0 370.8
130 127.9 0.0 307.0

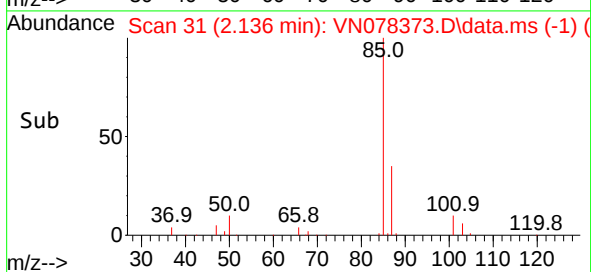
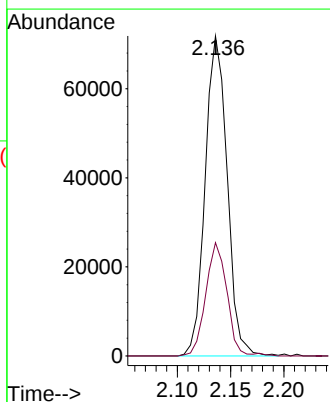
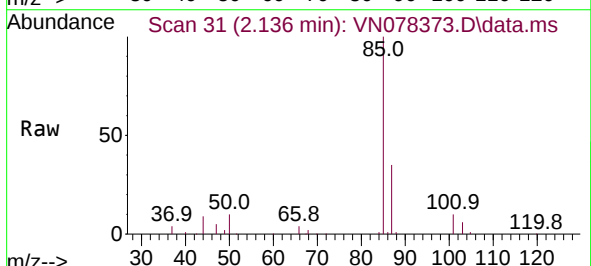
Manual Integrations
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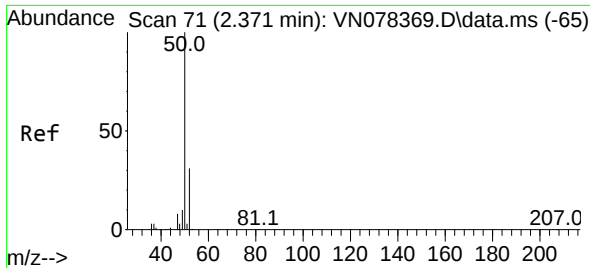
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#2
Dichlorodifluoromethane
Concen: 21.705 ug/l
RT: 2.136 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

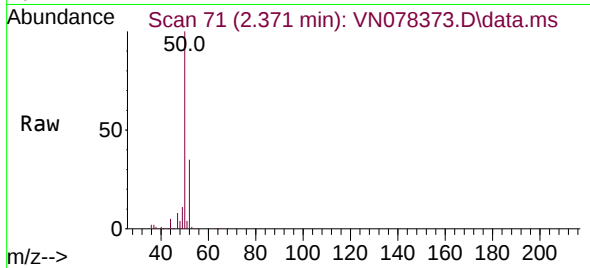
Tgt Ion: 85 Resp: 103056
Ion Ratio Lower Upper
85 100
87 35.4 16.4 49.4





#3
Chloromethane
Concen: 21.973 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

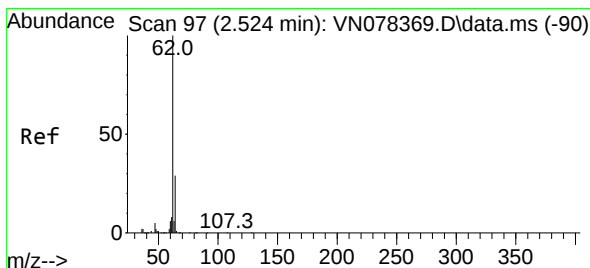
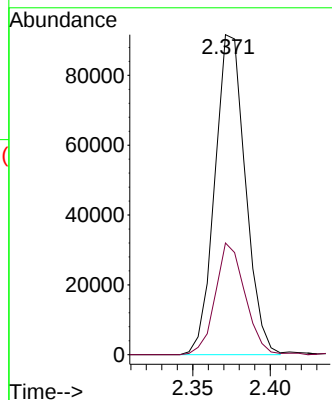
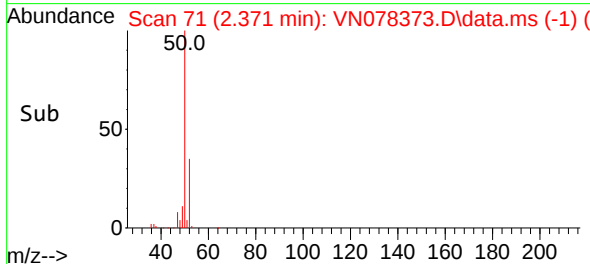
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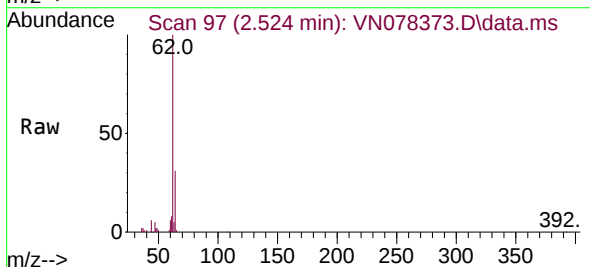
Tgt Ion: 50 Resp: 125818
Ion Ratio Lower Upper
50 100
52 34.9 24.6 36.8

Manual Integrations
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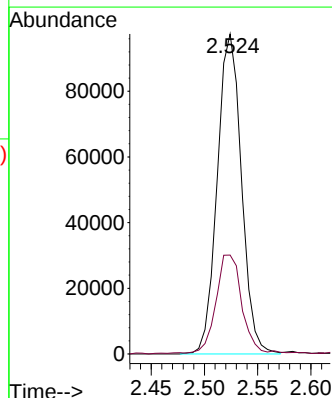
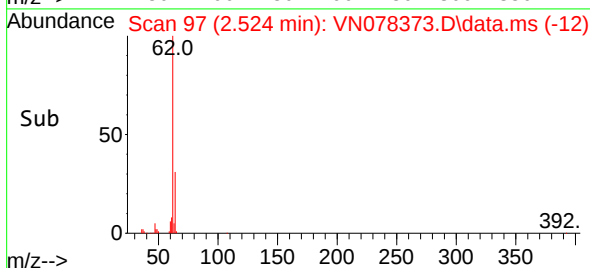
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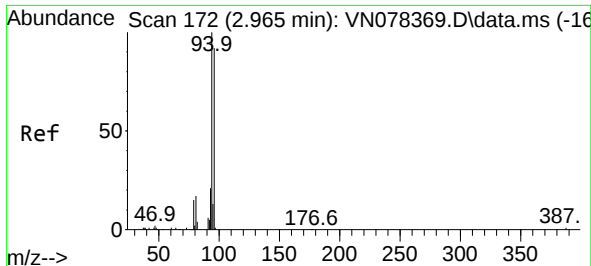


#4
Vinyl Chloride
Concen: 21.826 ug/l
RT: 2.524 min Scan# 97
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45



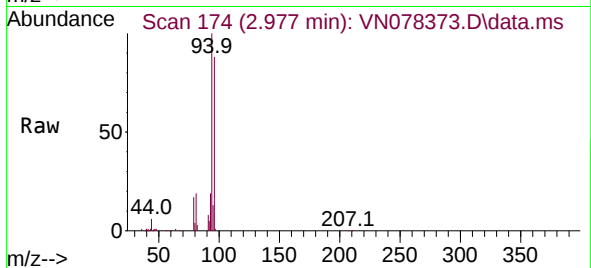
Tgt Ion: 62 Resp: 153732
Ion Ratio Lower Upper
62 100
64 30.5 23.3 34.9





#5
Bromomethane
Concen: 19.042 ug/l
RT: 2.977 min Scan# 172
Delta R.T. 0.012 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

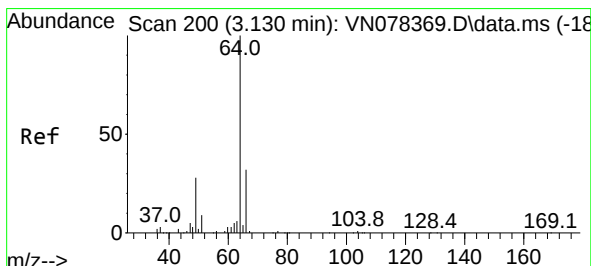
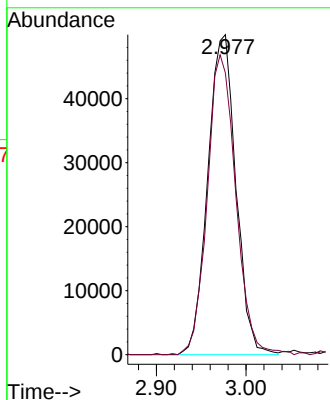
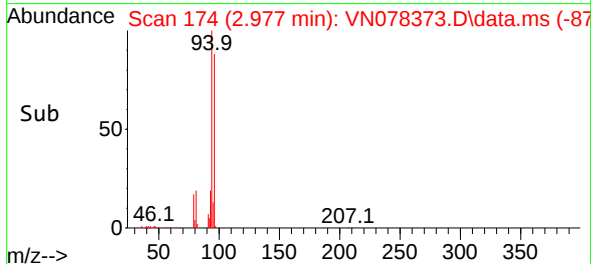
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Tgt Ion: 94 Resp: 109039
Ion Ratio Lower Upper
94 100
96 88.0 73.9 110.9

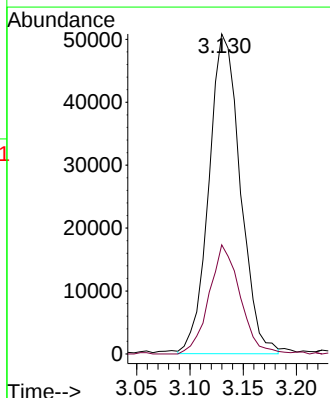
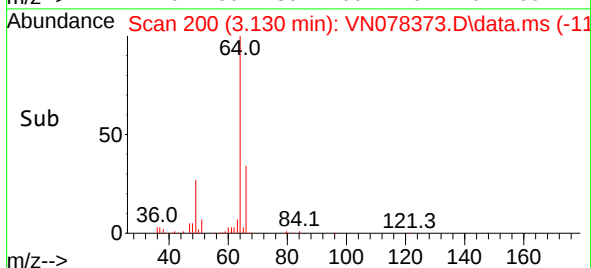
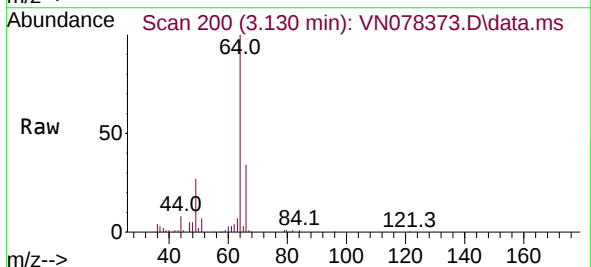
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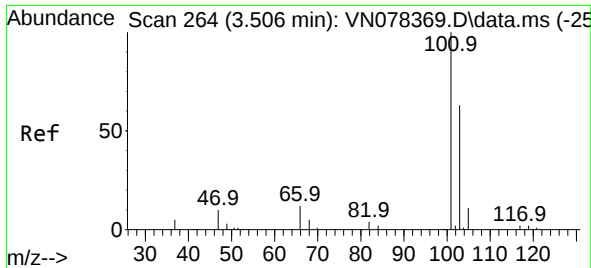
Reviewed By :John Carlone 06/24/2023
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#6
Chloroethane
Concen: 20.775 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

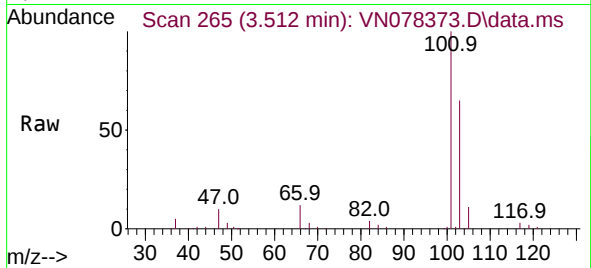
Tgt Ion: 64 Resp: 104230
Ion Ratio Lower Upper
64 100
66 34.4 25.7 38.5





#7
 Trichlorofluoromethane
 Concen: 22.043 ug/l
 RT: 3.512 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN078373.D
 Acq: 23 Jun 2023 12:45

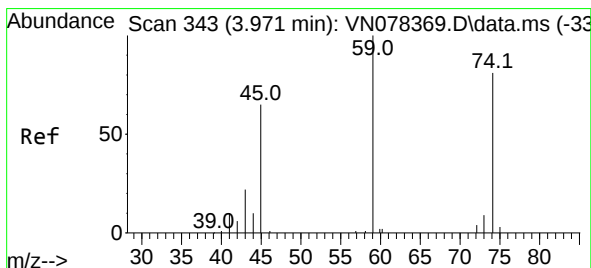
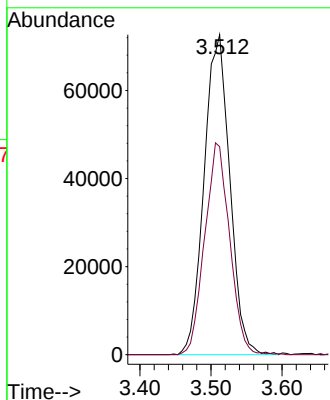
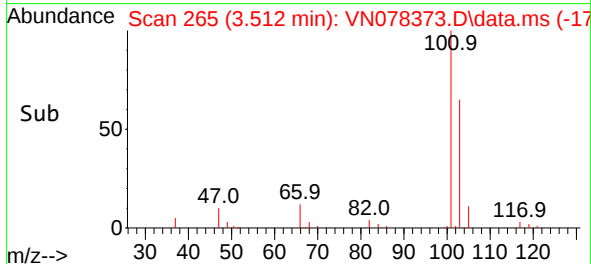
Instrument :
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Tgt Ion:101 Resp: 18273
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.4 75.6

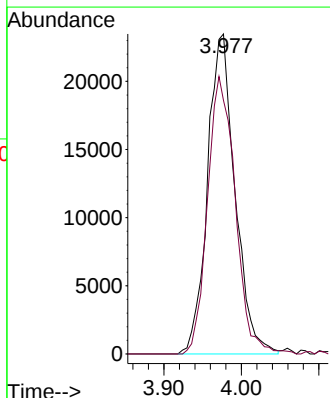
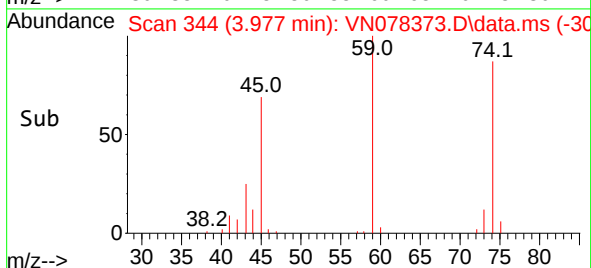
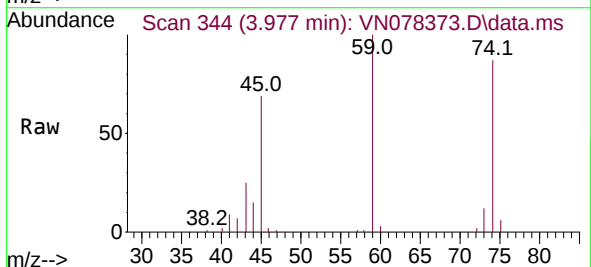
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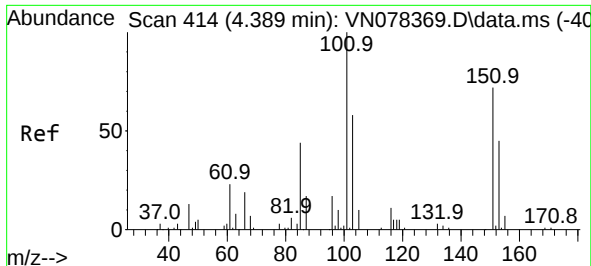
Reviewed By :John Carlone 06/24/2023
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#8
 Diethyl Ether
 Concen: 20.929 ug/l
 RT: 3.977 min Scan# 344
 Delta R.T. 0.006 min
 Lab File: VN078373.D
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Tgt Ion: 74 Resp: 57918
 Ion Ratio Lower Upper
 74 100
 45 87.0 16.3 146.5





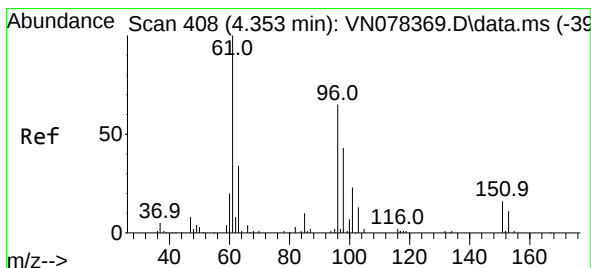
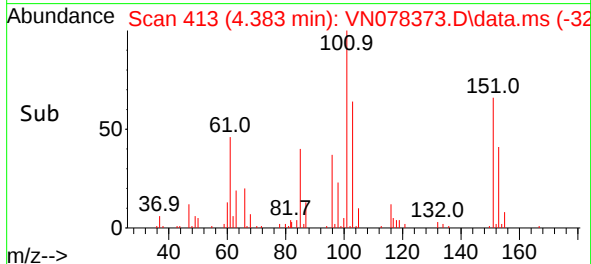
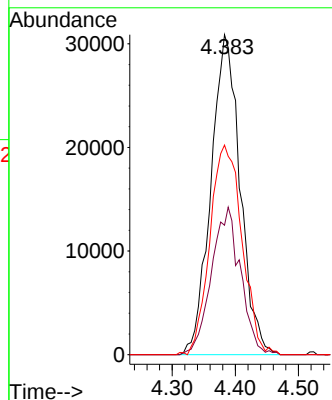
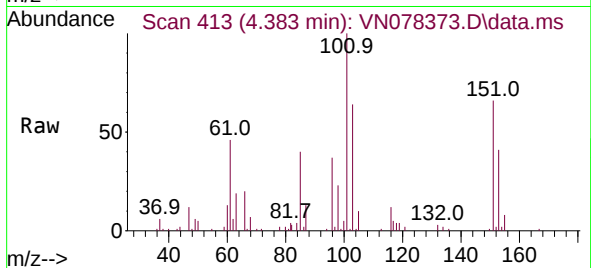
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.999 ug/l
RT: 4.383 min Scan# 414
Delta R.T. -0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323

Tgt Ion:101 Resp: 99119
Ion Ratio Lower Upper
101 100
85 45.5 0.0 89.2
151 71.4 0.0 148.8

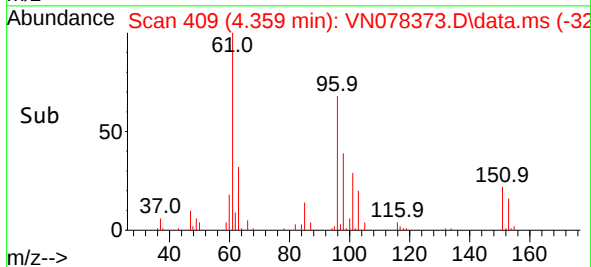
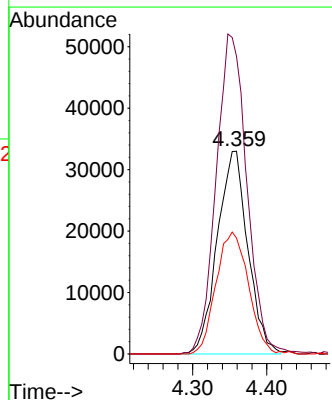
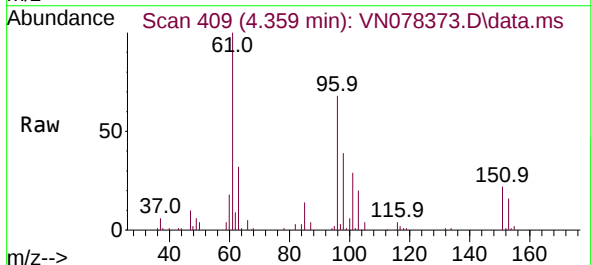
Manual Integrations
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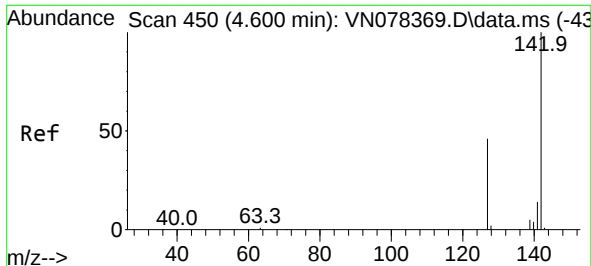
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#10
1,1-Dichloroethene
Concen: 21.373 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Tgt Ion: 96 Resp: 94441
Ion Ratio Lower Upper
96 100
61 146.8 123.4 185.2
98 57.2 53.7 80.5





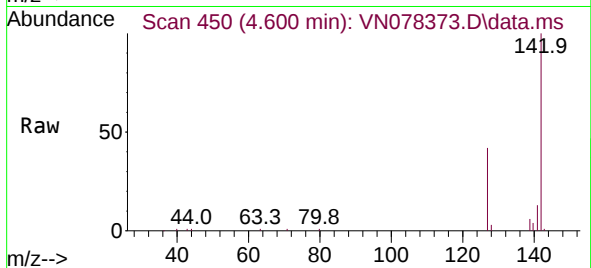
#11
Methyl Iodide
Concen: 21.825 ug/l
RT: 4.600 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062323



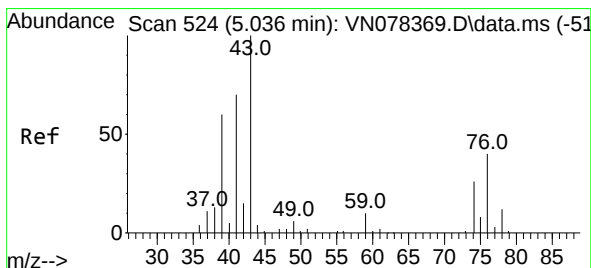
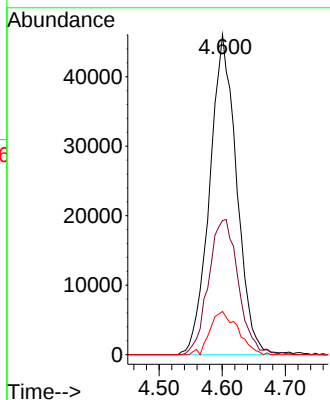
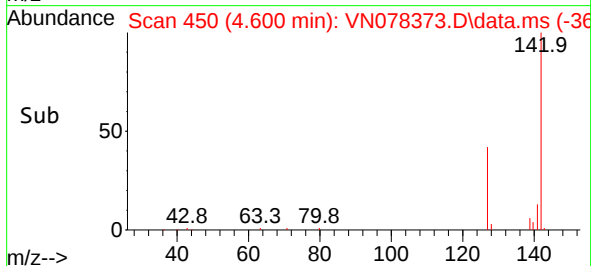
Tgt Ion:142 Resp: 136623
Ion Ratio Lower Upper
142 100
127 41.8 23.2 69.5
141 13.2 7.2 21.7

Manual Integrations

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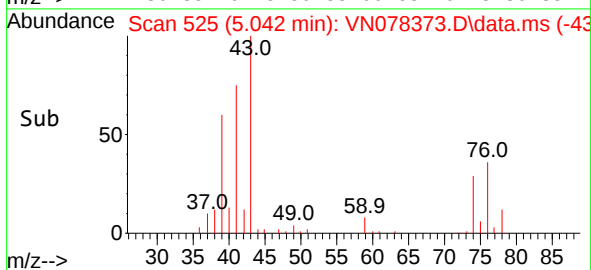
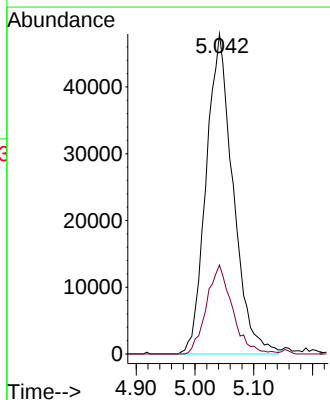
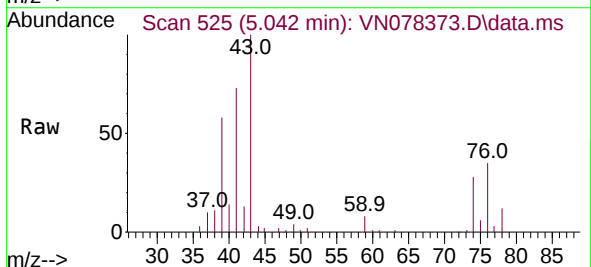
Reviewed By :John Carlone 06/24/2023

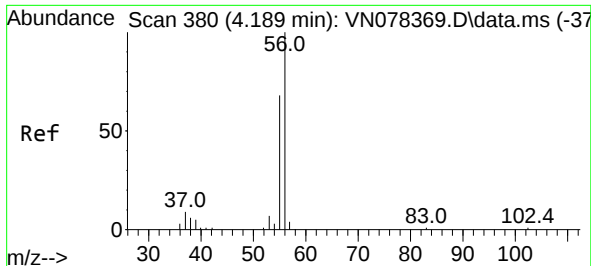
Supervised By :Mahesh Dadoda 06/26/2023



#12
Methyl Acetate
Concen: 22.244 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

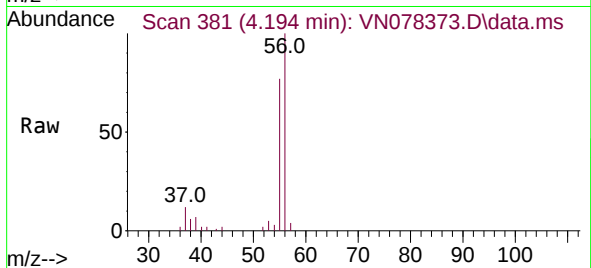
Tgt Ion: 43 Resp: 152483
Ion Ratio Lower Upper
43 100
74 27.8 20.5 30.7





#13
Acrolein
Concen: 104.037 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

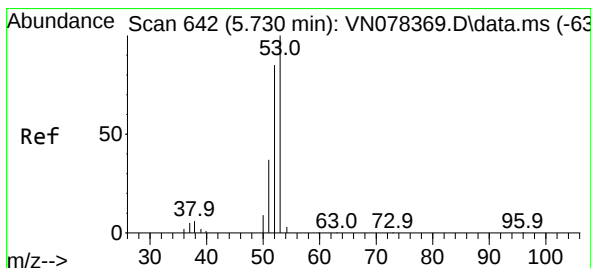
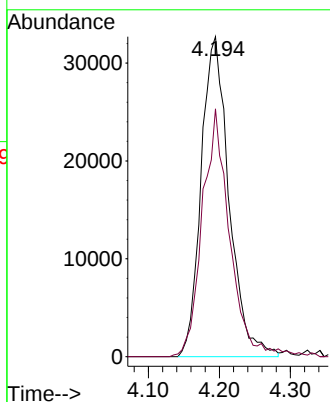
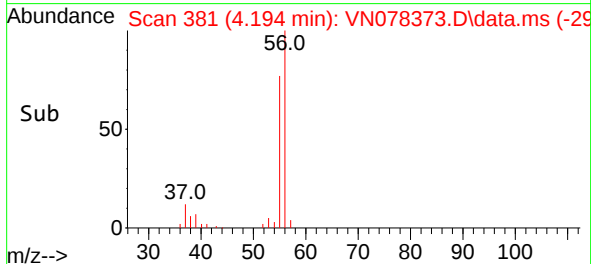
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



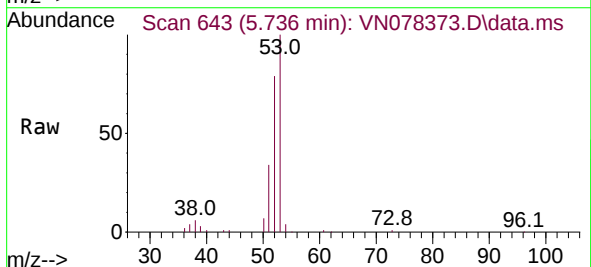
Tgt Ion: 56 Resp: 89300
Ion Ratio Lower Upper
56 100
55 73.3 59.0 88.4

Manual Integrations
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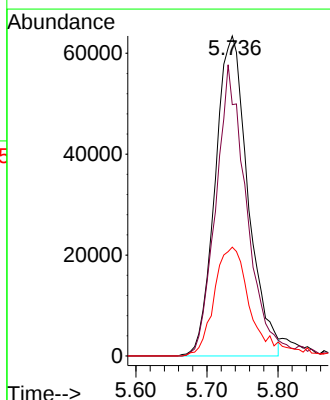
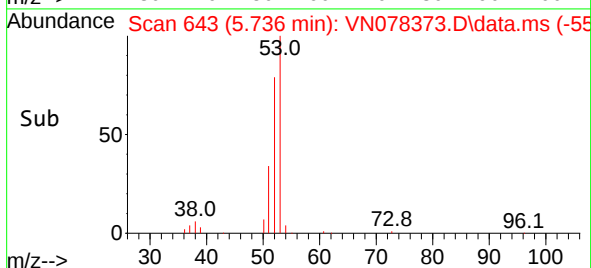
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023

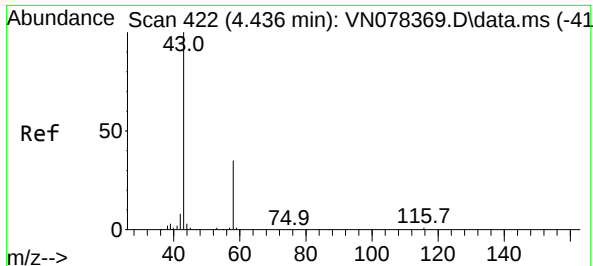


#14
Acrylonitrile
Concen: 109.683 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45



Tgt Ion: 53 Resp: 203683
Ion Ratio Lower Upper
53 100
52 85.2 42.3 126.9
51 34.5 18.4 55.4





#15

Acetone

Concen: 122.817 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN078373.D

Acq: 23 Jun 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062323

Tgt Ion: 58 Resp: 6503

Ion Ratio Lower Upper

58 100

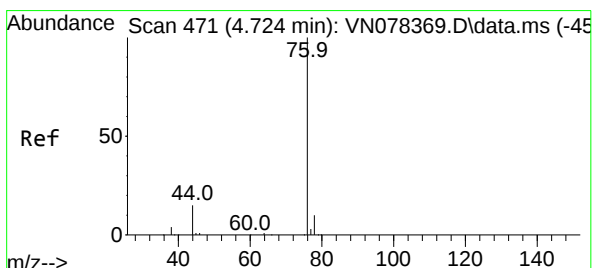
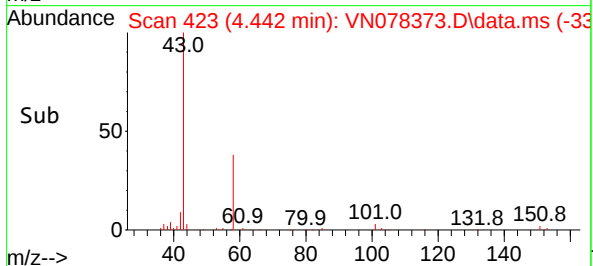
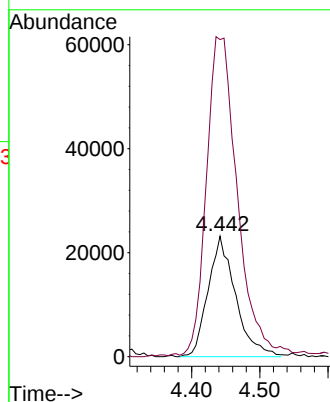
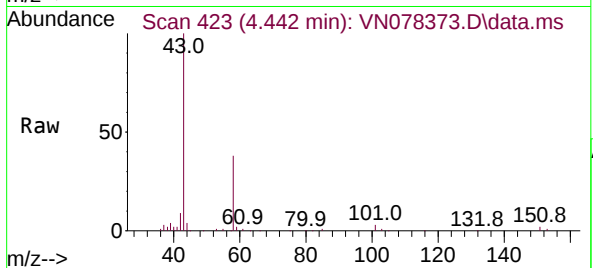
43 262.0 227.5 341.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/24/2023

Supervised By :Mahesh Dadoda 06/26/2023



#16

Carbon Disulfide

Concen: 20.835 ug/l

RT: 4.730 min Scan# 472

Delta R.T. 0.006 min

Lab File: VN078373.D

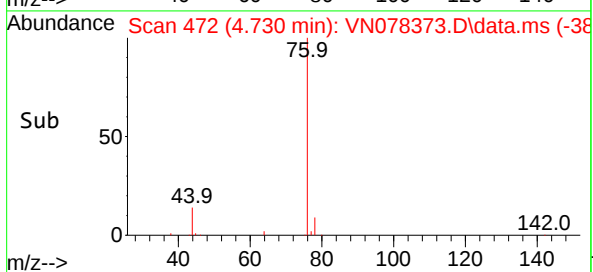
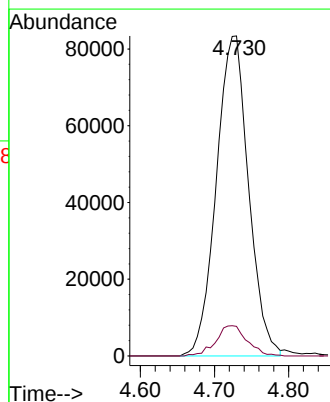
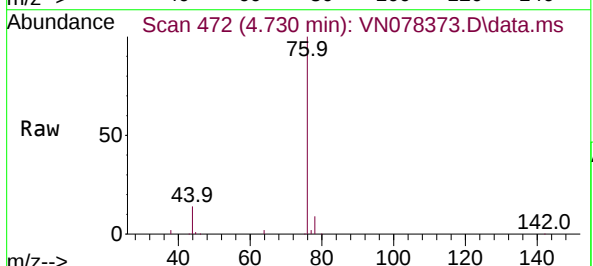
Acq: 23 Jun 2023 12:45

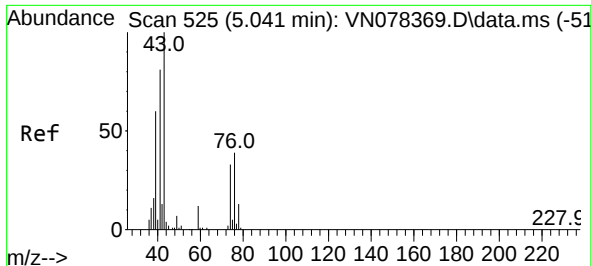
Tgt Ion: 76 Resp: 251569

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5





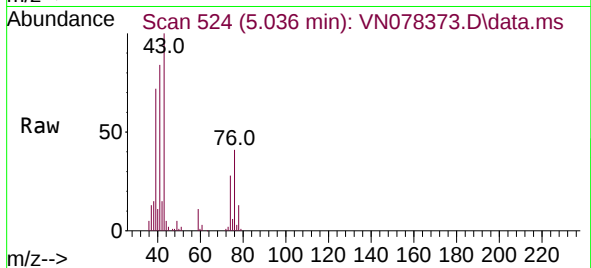
#17
 Allyl chloride
 Concen: 21.498 ug/l
 RT: 5.036 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN078373.D
 Acq: 23 Jun 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

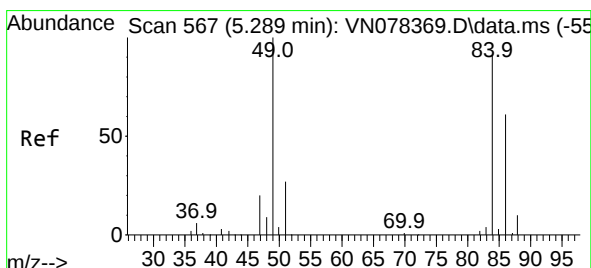
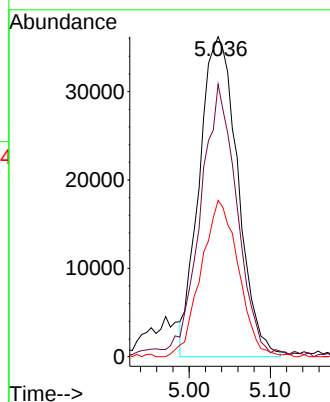
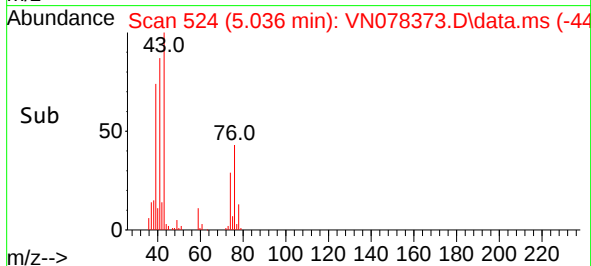
ICVVN062323



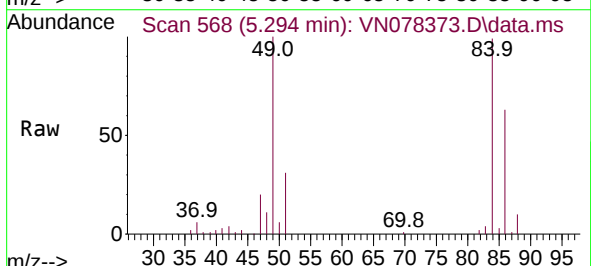
Tgt Ion: 41 Resp: 11914
 Ion Ratio Lower Upper
 41 100
 39 84.7 37.6 112.8
 76 49.0 23.8 71.4

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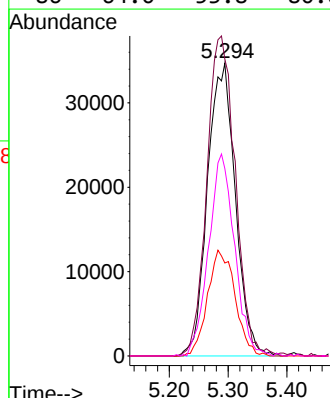
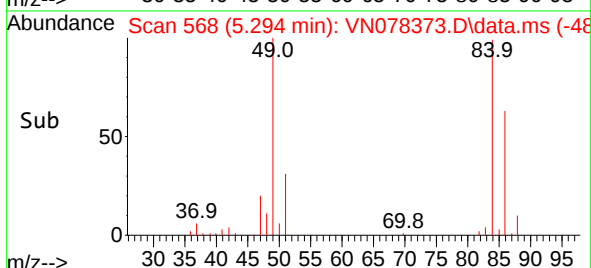
Reviewed By :John Carlone 06/24/2023
 Supervised By :Mahesh Dadoda 06/26/2023

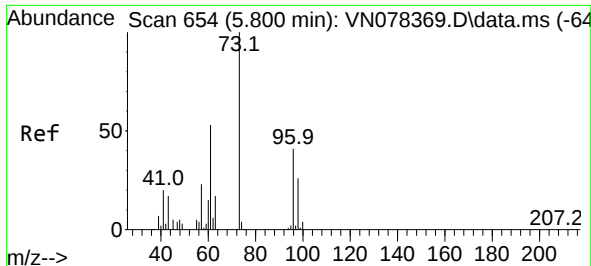


#18
 Methylene Chloride
 Concen: 21.816 ug/l
 RT: 5.294 min Scan# 568
 Delta R.T. 0.006 min
 Lab File: VN078373.D
 Acq: 23 Jun 2023 12:45



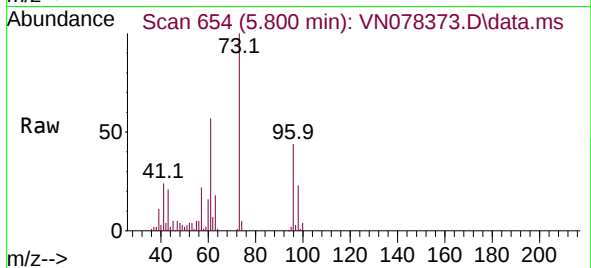
Tgt Ion: 84 Resp: 114229
 Ion Ratio Lower Upper
 84 100
 49 100.9 88.1 132.1
 51 31.7 24.0 36.0
 86 64.0 53.8 80.8





#19
trans-1,2-Dichloroethene
Concen: 21.205 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

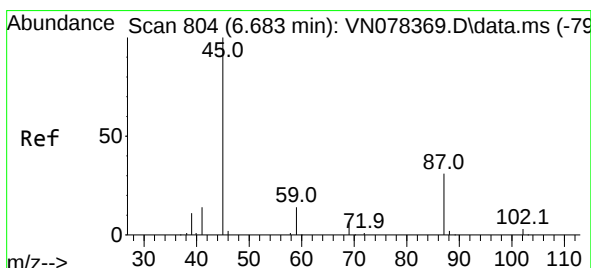
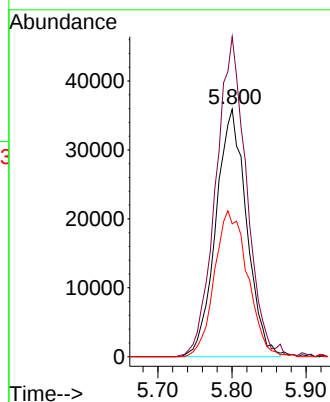
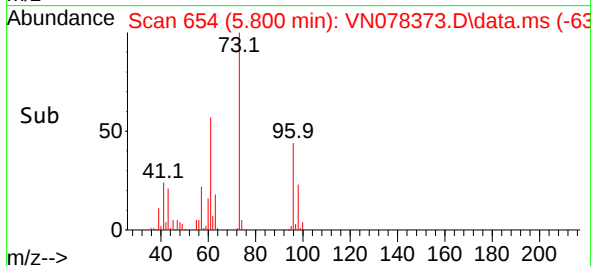
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



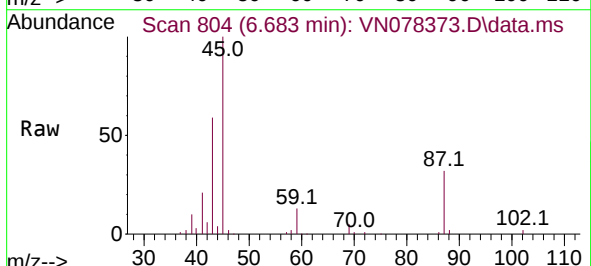
Tgt Ion: 96 Resp: 10340
Ion Ratio Lower Upper
96 100
61 128.8 105.2 157.8
98 53.6 50.5 75.7

Manual Integrations
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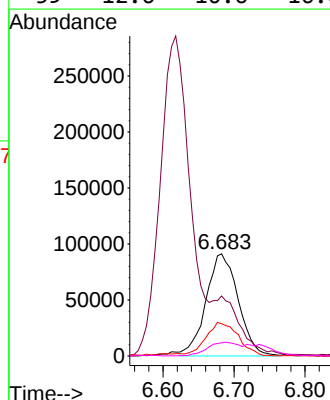
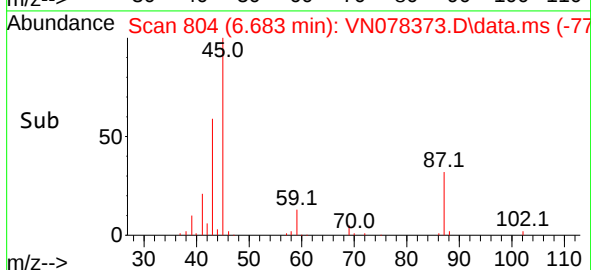
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023

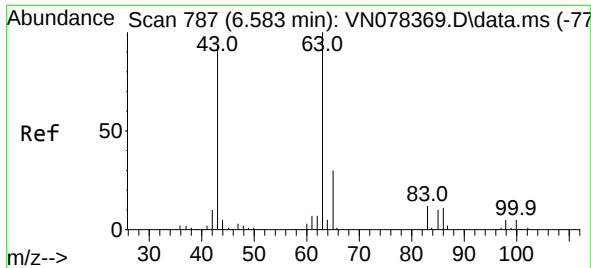


#20
Diisopropyl ether
Concen: 21.513 ug/l
RT: 6.683 min Scan# 804
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45



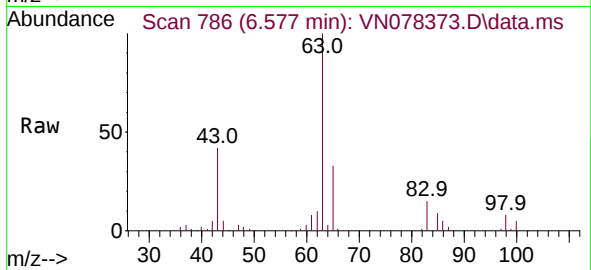
Tgt Ion: 45 Resp: 286401
Ion Ratio Lower Upper
45 100
43 56.7 43.6 65.4
87 31.5 25.8 38.6
59 12.6 10.6 16.0





#21
1,1-Dichloroethane
Concen: 22.035 ug/l
RT: 6.577 min Scan# 786
Delta R.T. -0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

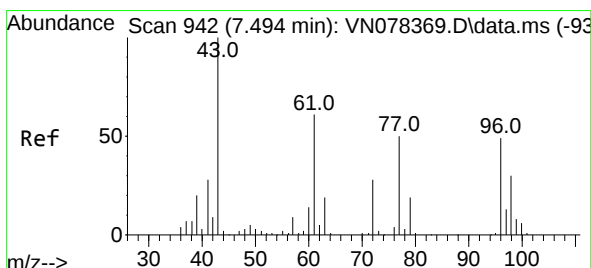
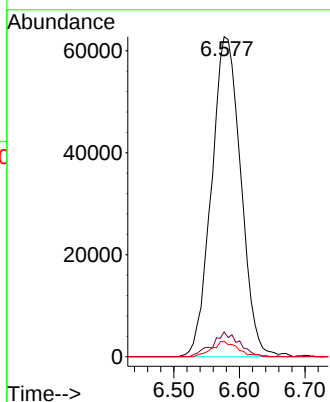
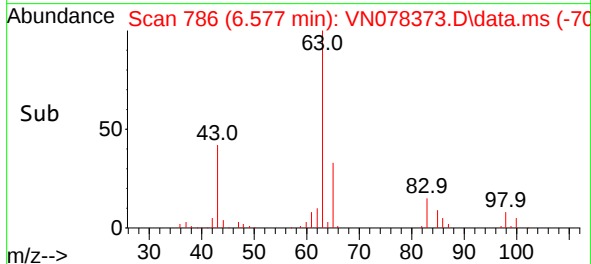
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



Tgt Ion: 63 Resp: 194578
Ion Ratio Lower Upper
63 100
98 7.8 2.7 8.1
100 4.8 2.5 7.4

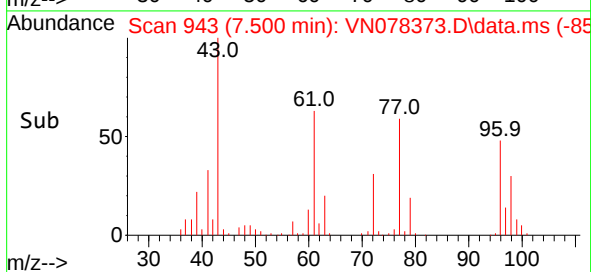
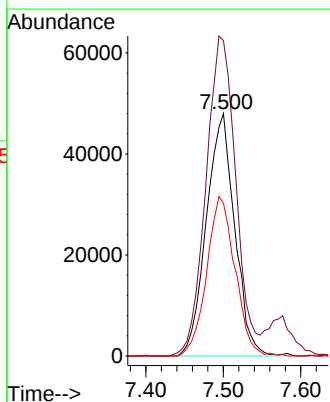
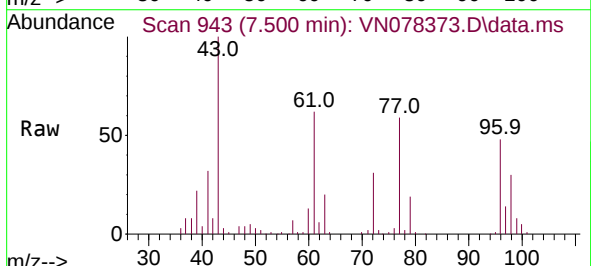
Manual Integrations
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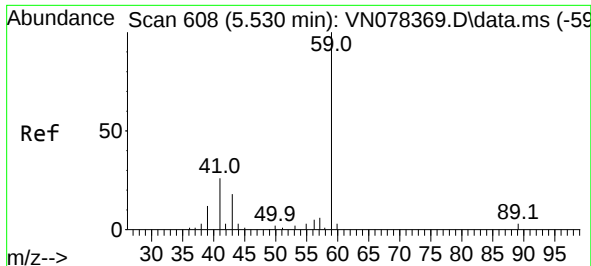
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#22
cis-1,2-Dichloroethene
Concen: 22.002 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

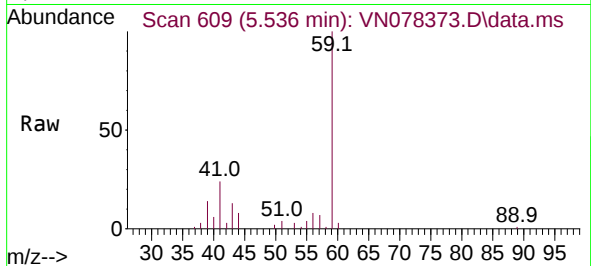
Tgt Ion: 96 Resp: 122058
Ion Ratio Lower Upper
96 100
61 138.9 113.8 170.6
98 65.4 52.2 78.4





#23
tert-Butyl Alcohol
Concen: 93.307 ug/l
RT: 5.536 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

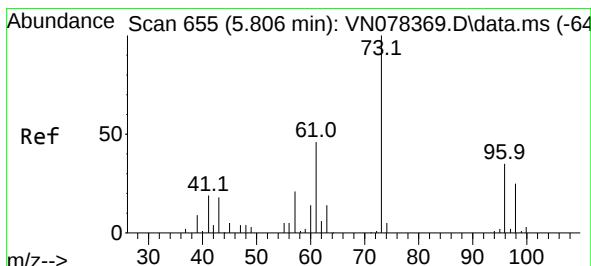
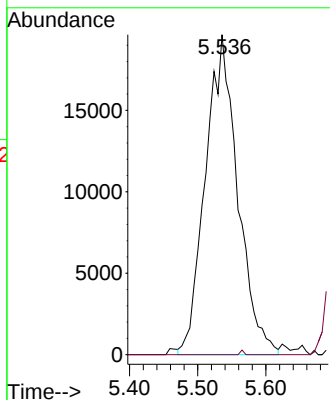
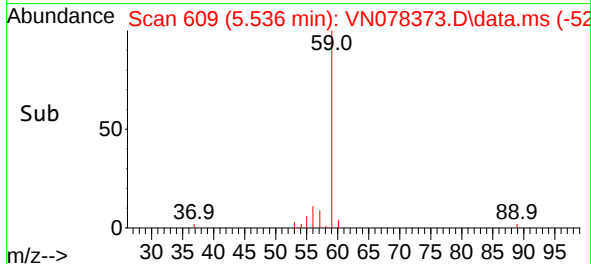
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



Tgt Ion: 59 Resp: 64720
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

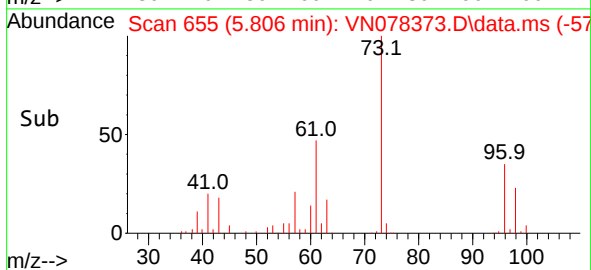
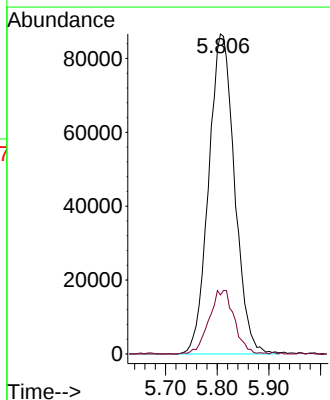
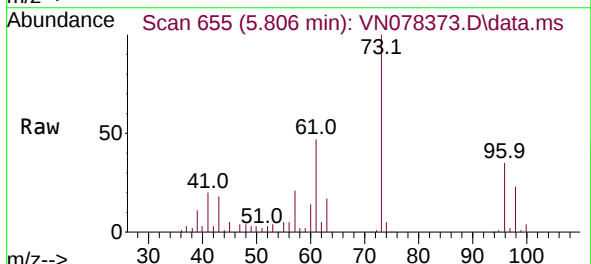
Manual Integrations
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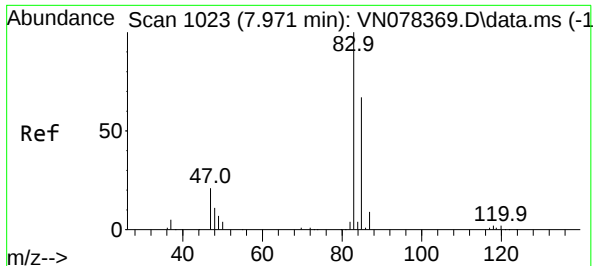
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#24
Methyl tert-Butyl Ether
Concen: 21.657 ug/l
RT: 5.806 min Scan# 655
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Tgt Ion: 73 Resp: 301731
Ion Ratio Lower Upper
73 100
43 9.5 14.5 21.7#





#25

Chloroform

Concen: 22.120 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN078373.D

Acq: 23 Jun 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062323

Tgt Ion: 83 Resp: 206424

Ion Ratio Lower Upper

83 100

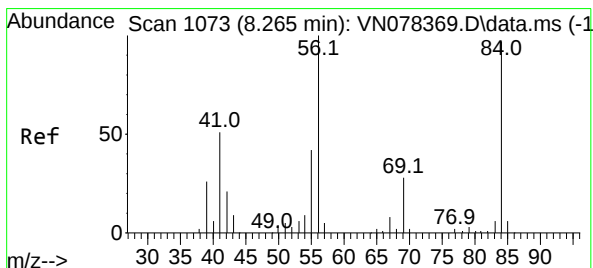
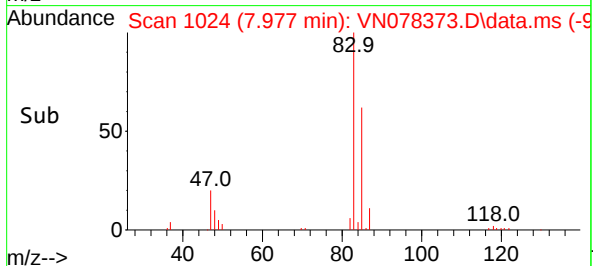
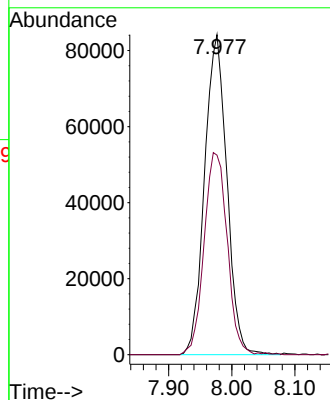
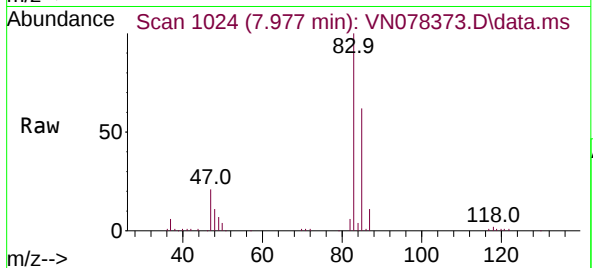
85 62.4 53.4 80.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/24/2023

Supervised By :Mahesh Dadoda 06/26/2023



#26

Cyclohexane

Concen: 21.792 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.000 min

Lab File: VN078373.D

Acq: 23 Jun 2023 12:45

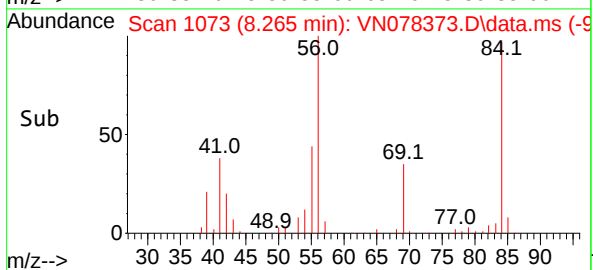
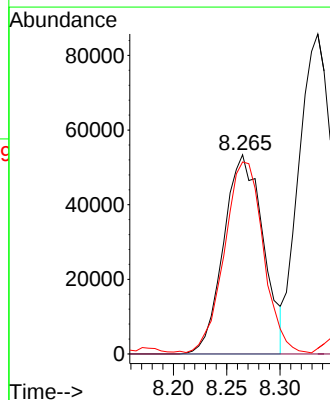
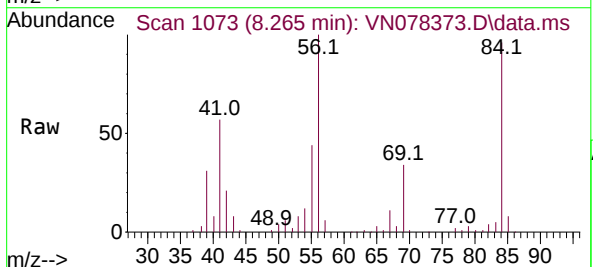
Tgt Ion: 56 Resp: 137721

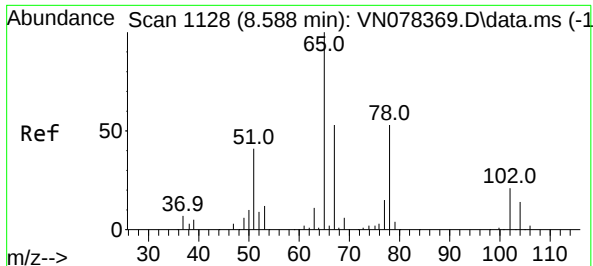
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 95.4 74.2 111.4





#27
1,2-Dichloroethane-d4
Concen: 29.818 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

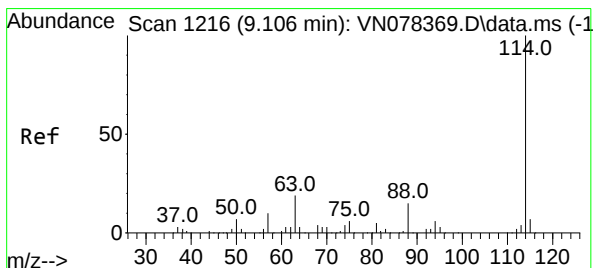
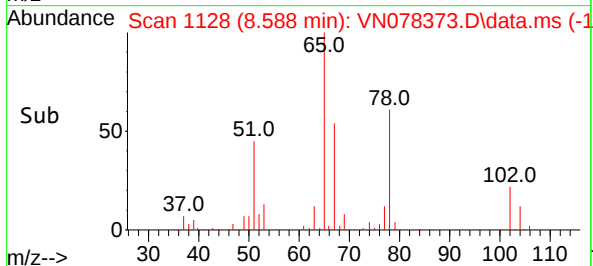
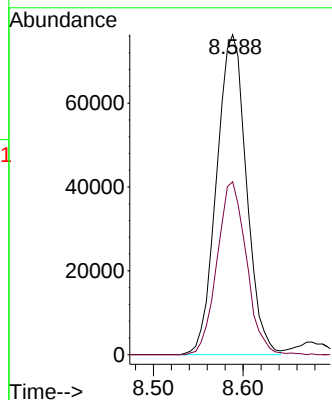
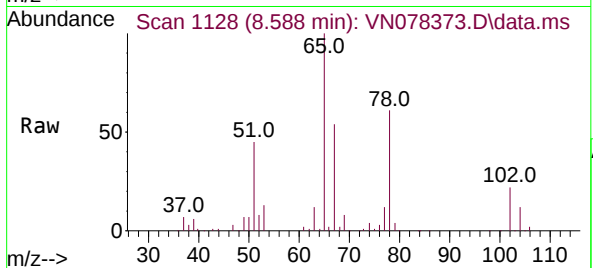
ICVNVN062323

Tgt Ion: 65 Resp: 176020
Ion Ratio Lower Upper
65 100
67 53.1 42.9 64.3

Manual Integrations

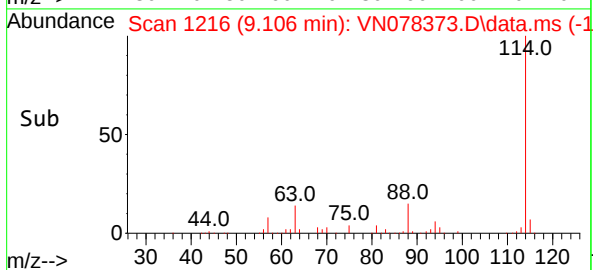
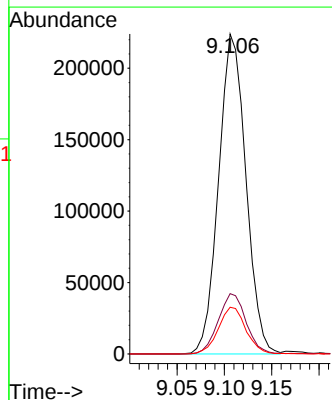
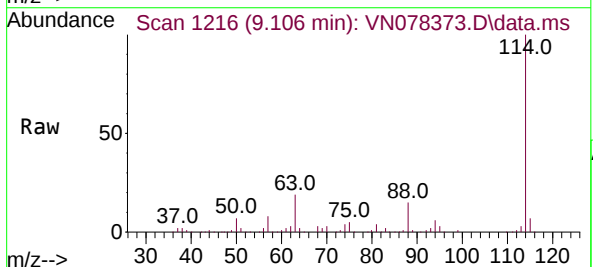
APPROVED

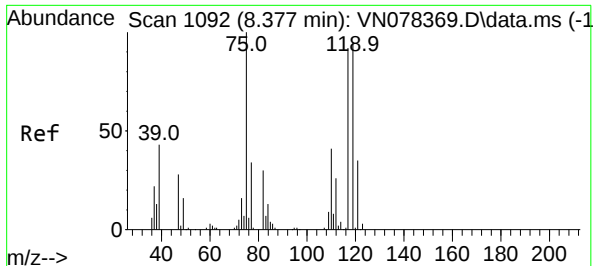
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Tgt Ion:114 Resp: 448927
Ion Ratio Lower Upper
114 100
63 19.2 15.2 22.8
88 14.8 12.5 18.7





#29

1,1-Dichloropropene

Concen: 21.723 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. 0.000 min

Lab File: VN078373.D

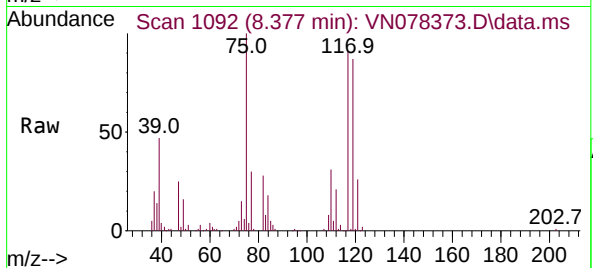
Acq: 23 Jun 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062323



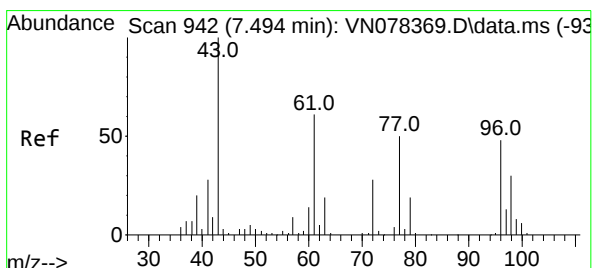
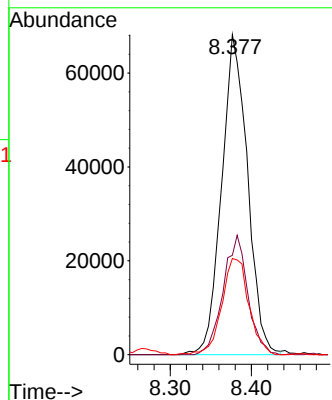
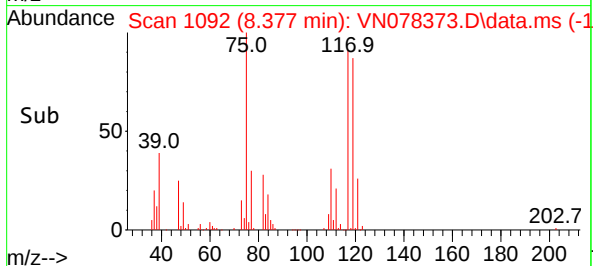
Tgt Ion:	75	Resp:	15117
Ion Ratio	Lower	Upper	
75	100		
110	35.5	0.0	72.2
77	31.3	0.0	62.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/24/2023

Supervised By :Mahesh Dadoda 06/26/2023



#30

2-Butanone

Concen: 112.448 ug/l

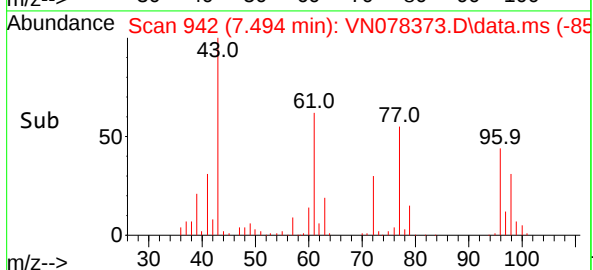
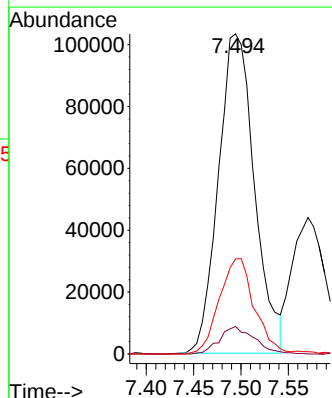
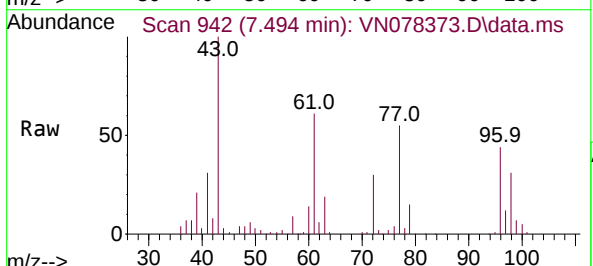
RT: 7.494 min Scan# 942

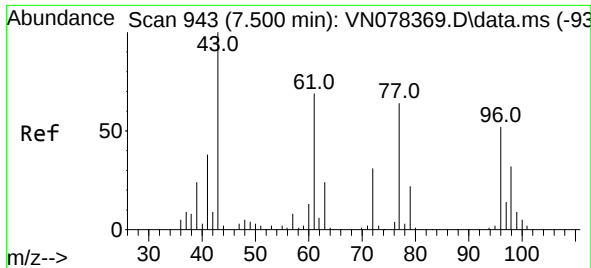
Delta R.T. 0.000 min

Lab File: VN078373.D

Acq: 23 Jun 2023 12:45

Tgt Ion:	43	Resp:	274292
Ion Ratio	Lower	Upper	
43	100		
57	8.3	6.8	10.2
72	28.9	23.8	35.6





#31

2,2-Dichloropropane

Concen: 21.987 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.000 min

Lab File: VN078373.D

Acq: 23 Jun 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062323

Tgt Ion: 77 Resp: 16360

Ion Ratio Lower Upper

77 100

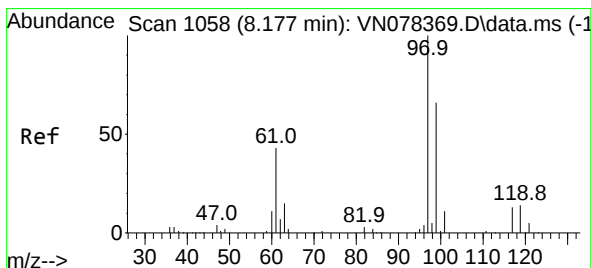
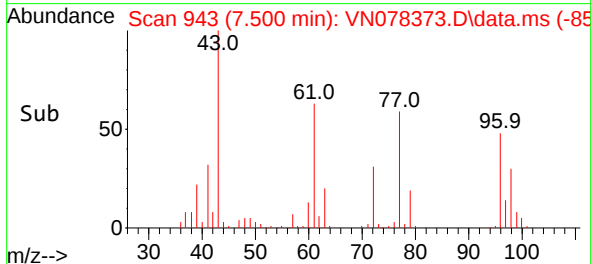
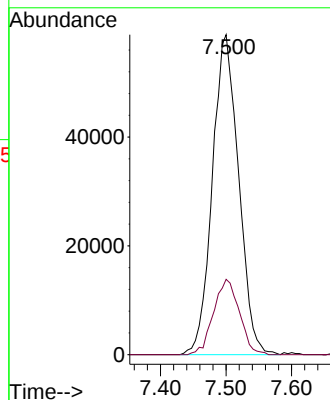
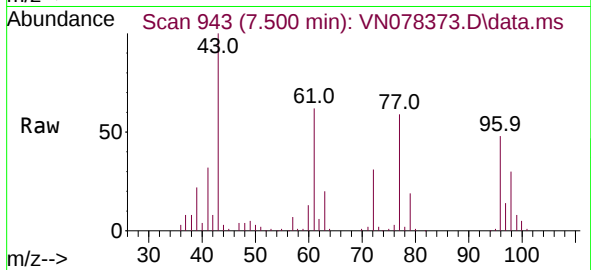
97 23.2 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/24/2023

Supervised By :Mahesh Dadoda 06/26/2023



#32

1,1,1-Trichloroethane

Concen: 21.652 ug/l

RT: 8.182 min Scan# 1059

Delta R.T. 0.006 min

Lab File: VN078373.D

Acq: 23 Jun 2023 12:45

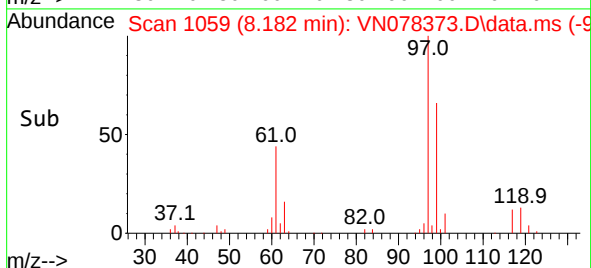
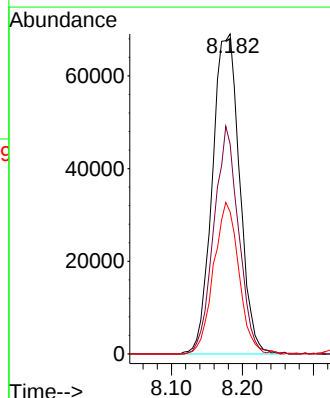
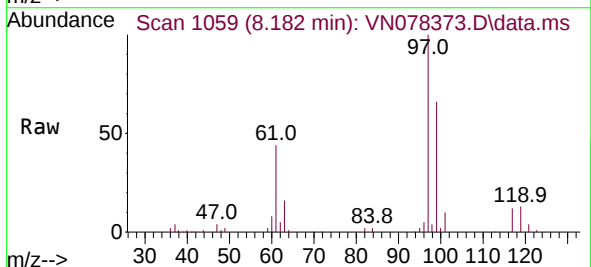
Tgt Ion: 97 Resp: 183601

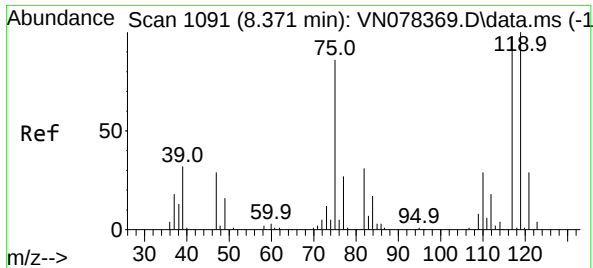
Ion Ratio Lower Upper

97 100

99 64.9 51.3 76.9

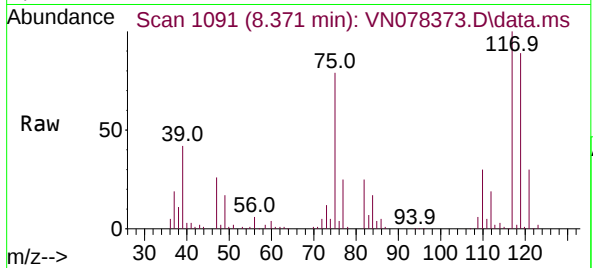
61 44.0 34.6 52.0





#33
Carbon Tetrachloride
Concen: 21.738 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

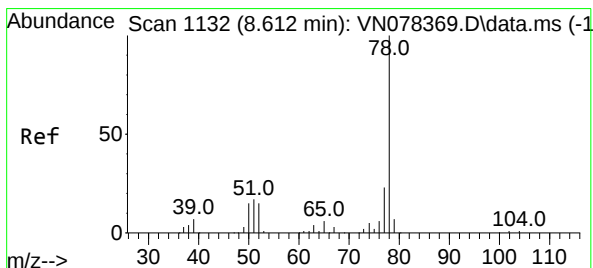
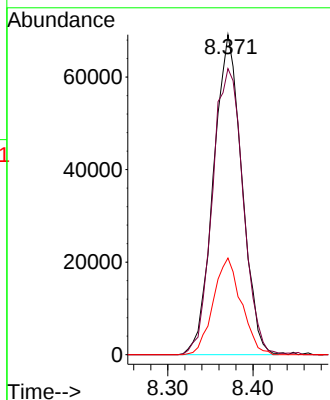
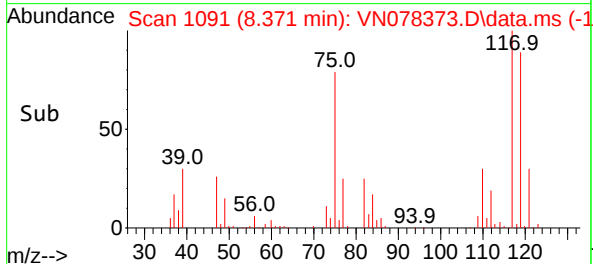
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



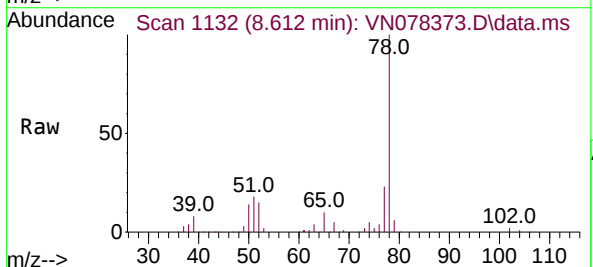
Tgt Ion:117 Resp: 160720
Ion Ratio Lower Upper
117 100
119 89.4 81.4 122.0
121 30.2 23.6 35.4

Manual Integrations
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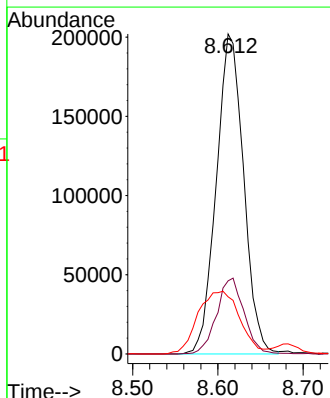
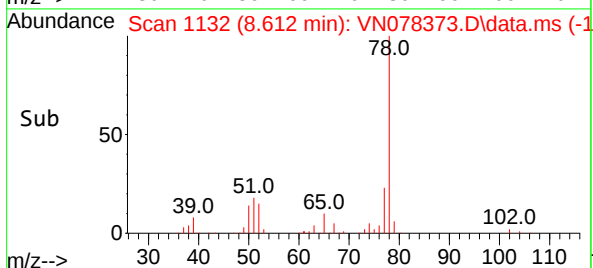
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023

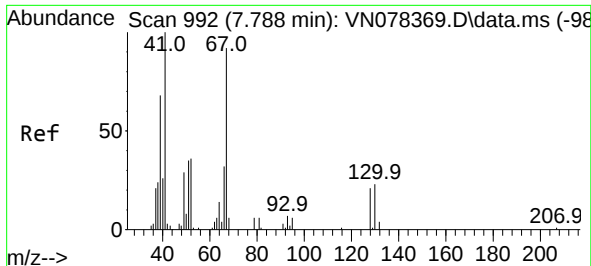


#34
Benzene
Concen: 21.660 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45



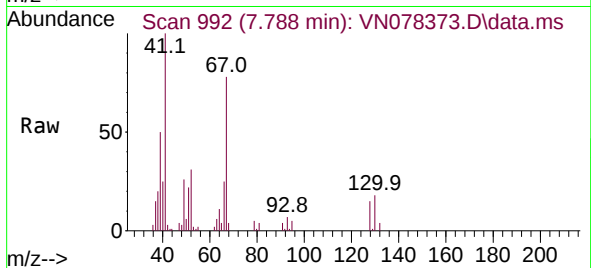
Tgt Ion: 78 Resp: 449498
Ion Ratio Lower Upper
78 100
77 22.9 18.3 27.5
51 17.1 13.7 20.5





#35
Methacrylonitrile
Concen: 22.118 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

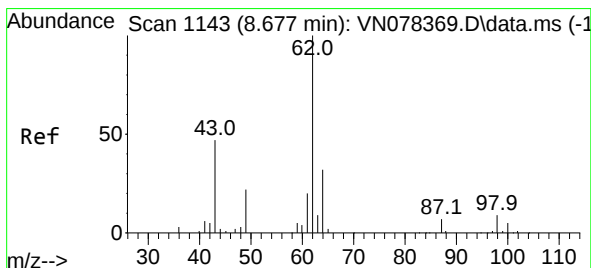
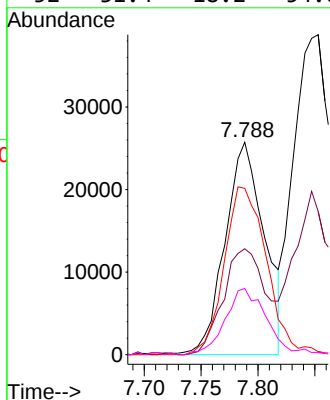
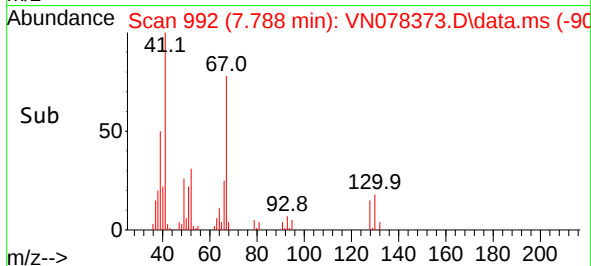
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



Tgt Ion: 41 Resp: 61850
Ion Ratio Lower Upper
41 100
39 50.2 33.9 101.6
67 78.9 45.9 137.6
52 31.4 18.2 54.6

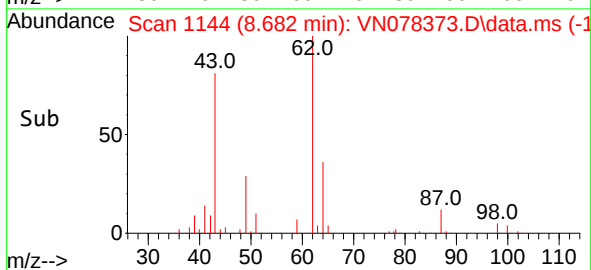
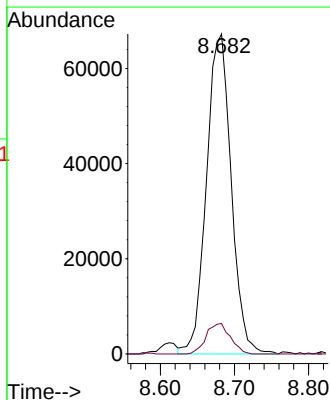
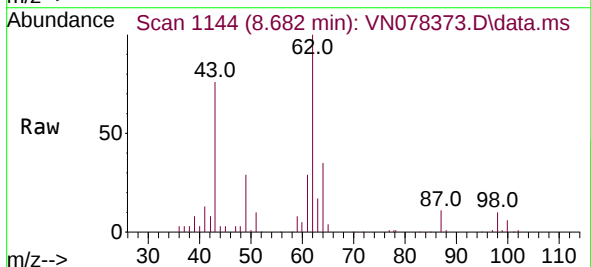
Manual Integrations
APPROVED

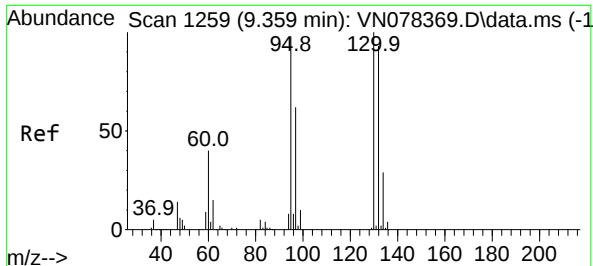
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#36
1,2-Dichloroethane
Concen: 22.046 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Tgt Ion: 62 Resp: 155983
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.0





#37

Trichloroethene

Concen: 22.027 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN078373.D

Acq: 23 Jun 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

ICV062323

Tgt Ion:130 Resp: 11678

Ion Ratio Lower Upper

130 100

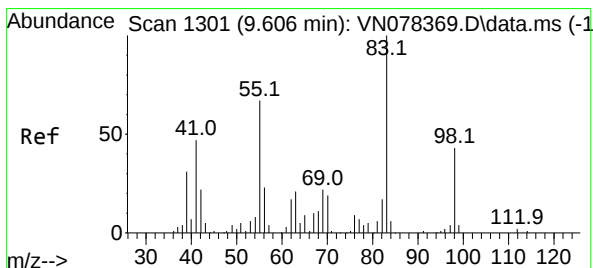
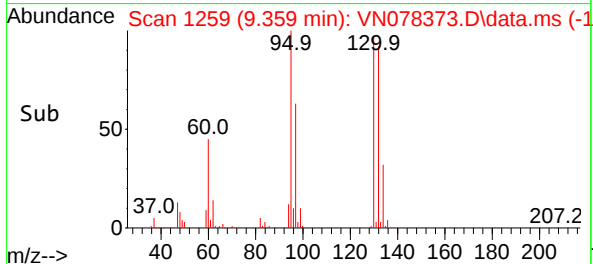
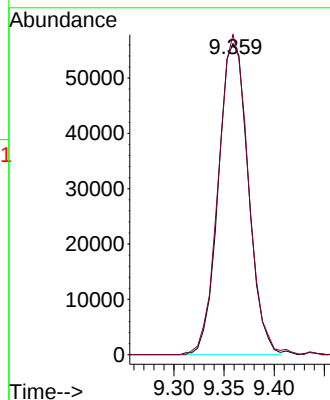
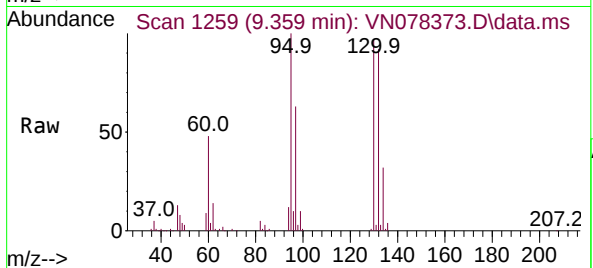
95 102.9 78.2 117.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/24/2023

Supervised By :Mahesh Dadoda 06/26/2023



#38

Methylcyclohexane

Concen: 20.672 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN078373.D

Acq: 23 Jun 2023 12:45

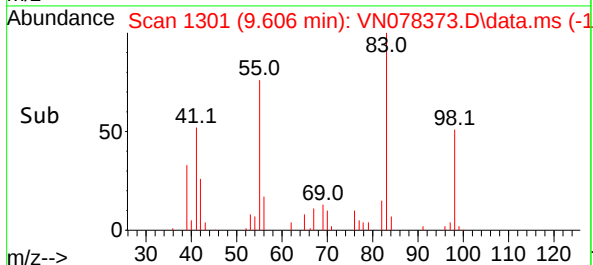
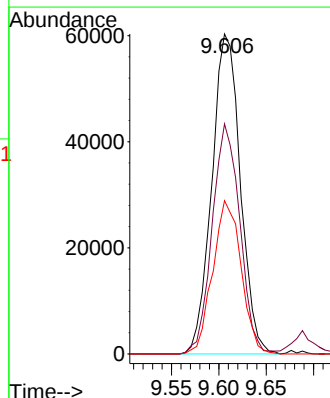
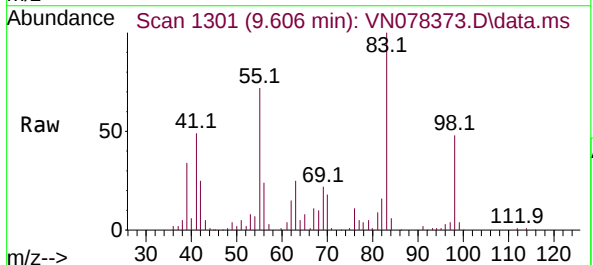
Tgt Ion: 83 Resp: 126391

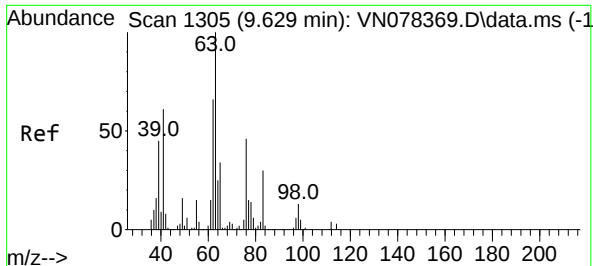
Ion Ratio Lower Upper

83 100

55 69.6 34.0 102.0

98 47.8 23.0 69.0





#39

1,2-Dichloropropane

Concen: 22.281 ug/l

RT: 9.629 min Scan# 11582

Delta R.T. 0.000 min

Lab File: VN078373.D

Acq: 23 Jun 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

ICV062323

Tgt Ion: 63 Resp: 11582

Ion Ratio Lower Upper

63 100

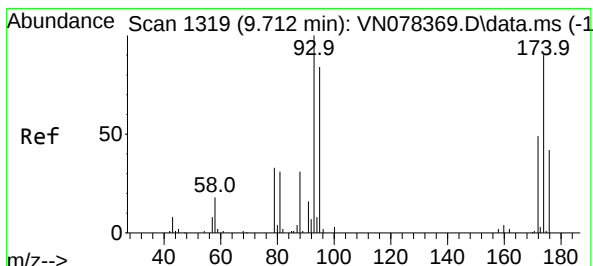
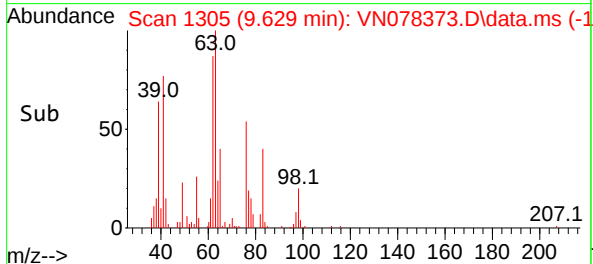
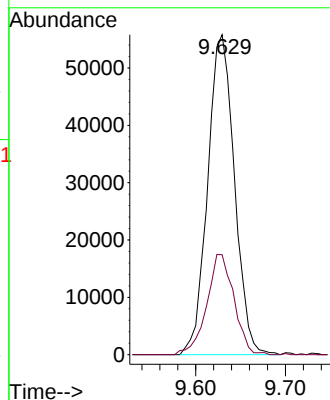
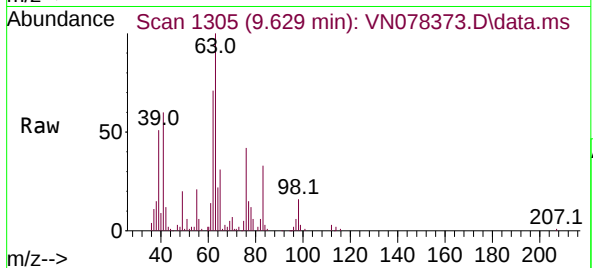
65 31.2 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/24/2023

Supervised By :Mahesh Dadoda 06/26/2023



#40

Dibromomethane

Concen: 21.710 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN078373.D

Acq: 23 Jun 2023 12:45

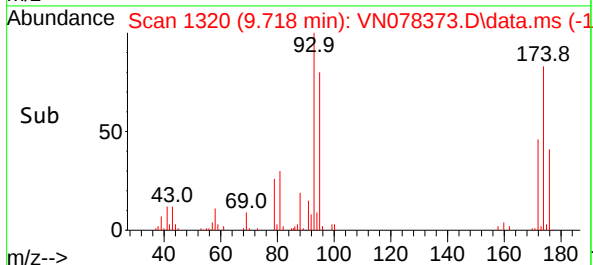
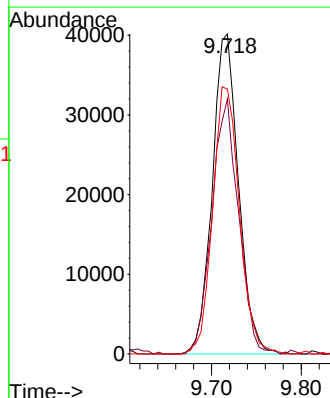
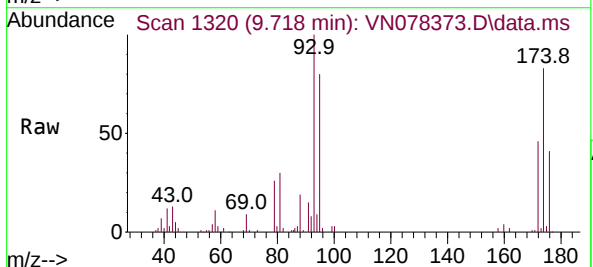
Tgt Ion: 93 Resp: 81439

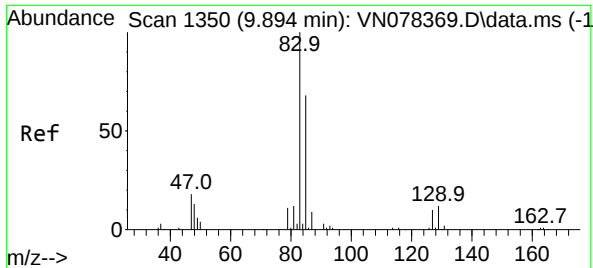
Ion Ratio Lower Upper

93 100

95 81.2 0.0 167.8

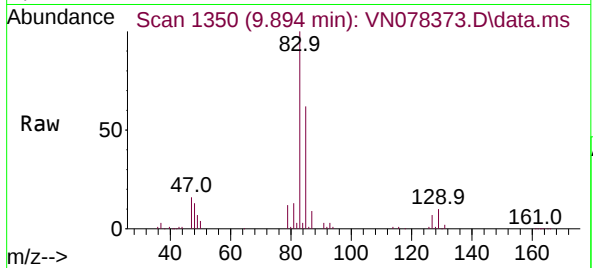
174 85.2 0.0 180.8





#41
Bromodichloromethane
Concen: 21.927 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

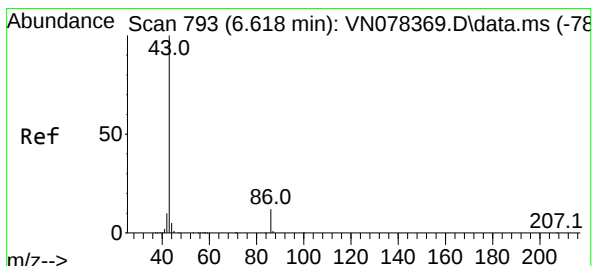
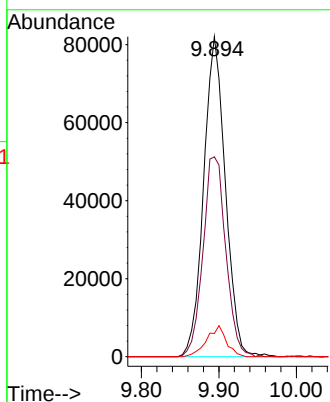
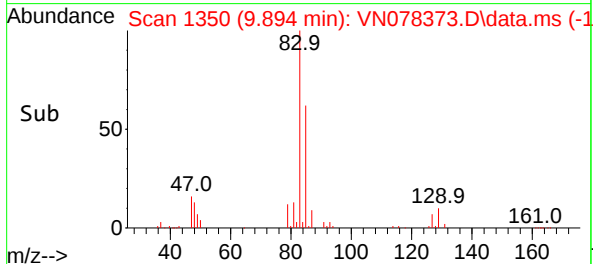
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



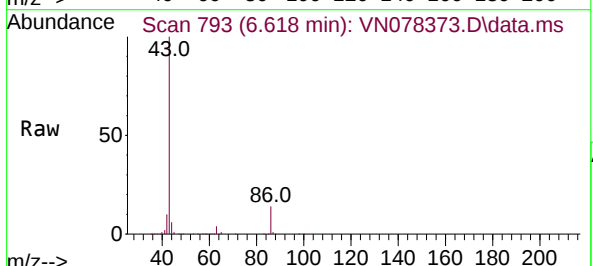
Tgt Ion: 83 Resp: 159790
Ion Ratio Lower Upper
83 100
85 62.4 54.1 81.1
127 7.3 7.8 11.6

Manual Integrations
APPROVED

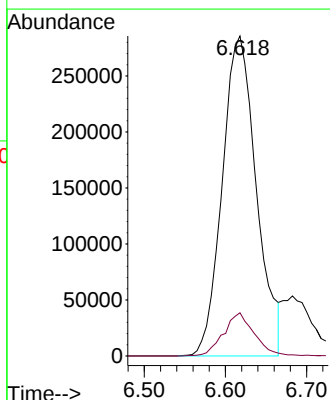
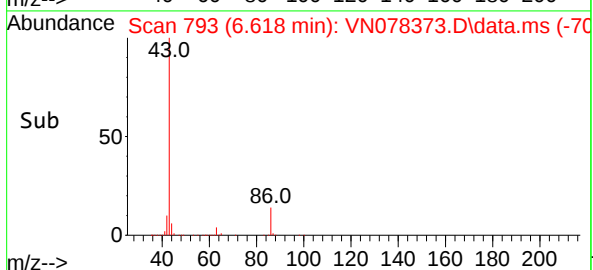
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023

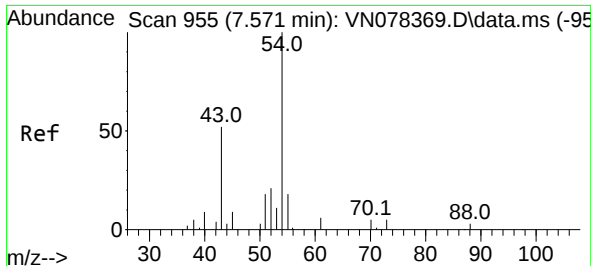


#42
Vinyl Acetate
Concen: 107.561 ug/l
RT: 6.618 min Scan# 793
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45



Tgt Ion: 43 Resp: 835799
Ion Ratio Lower Upper
43 100
86 12.2 9.4 14.0





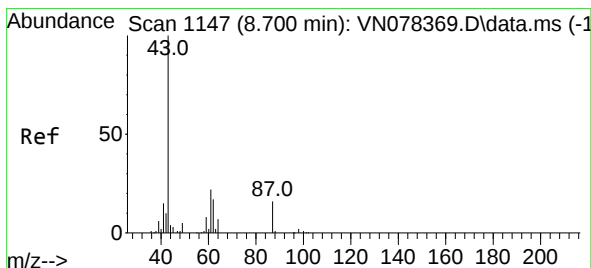
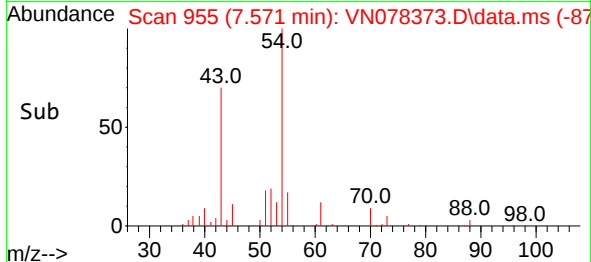
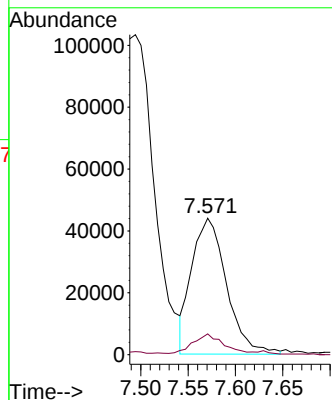
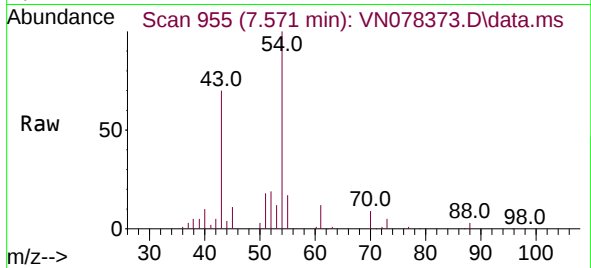
#43
Ethyl Acetate
Concen: 21.897 ug/l
RT: 7.571 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323

Tgt Ion: 43 Resp: 112462
Ion Ratio Lower Upper
43 100
45 13.6 10.9 16.3

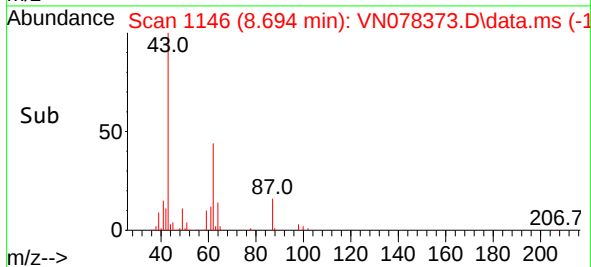
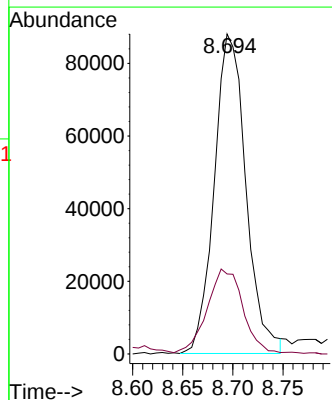
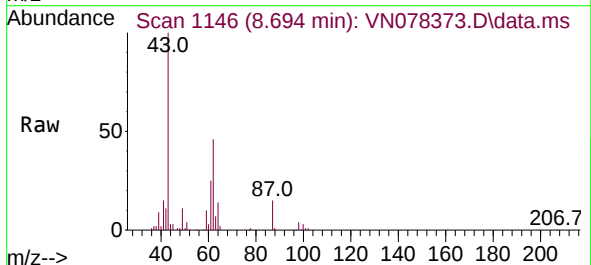
Manual Integrations
APPROVED

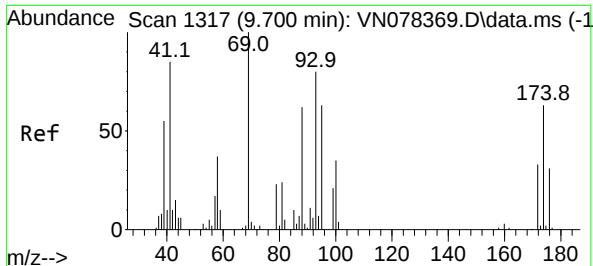
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#44
Isopropyl Acetate
Concen: 20.811 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

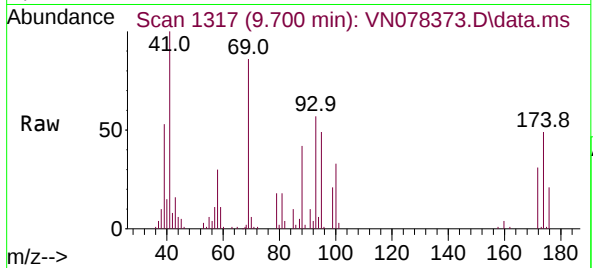
Tgt Ion: 43 Resp: 193052
Ion Ratio Lower Upper
43 100
61 30.2 23.0 34.6





#45
1,4-Dioxane
Concen: 364.824 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

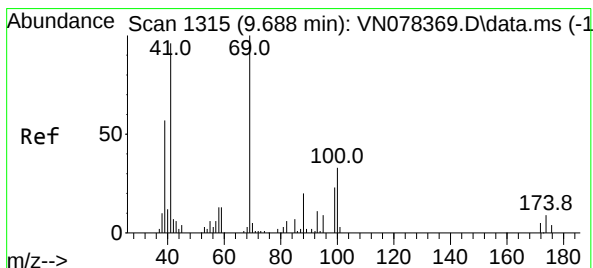
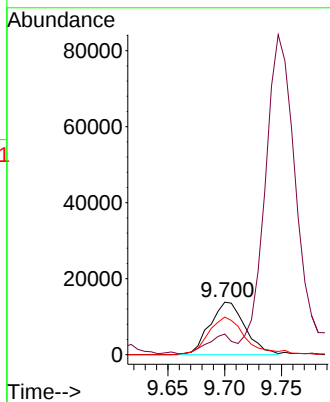
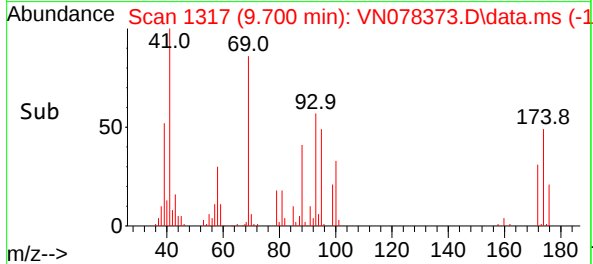
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



Tgt Ion: 88 Resp: 2985
Ion Ratio Lower Upper
88 100
43 26.8 19.0 28.6
58 72.5 48.2 72.2

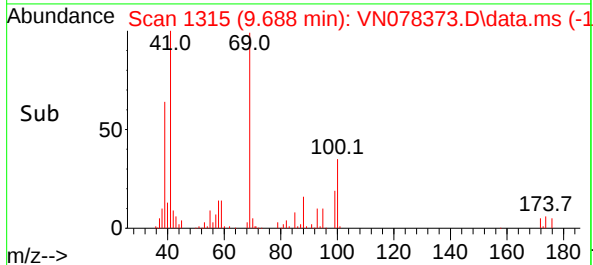
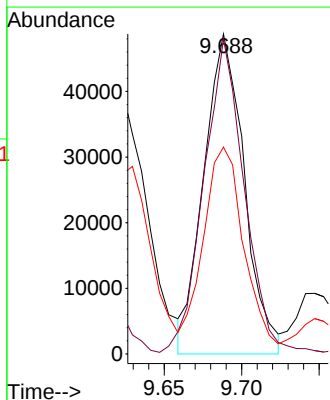
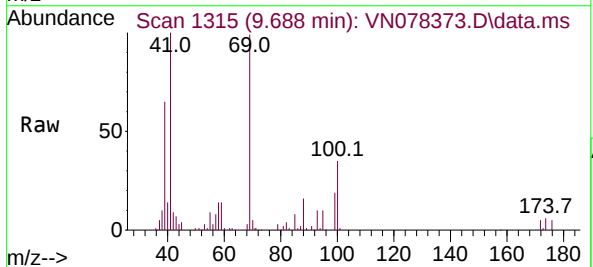
Manual Integrations
APPROVED

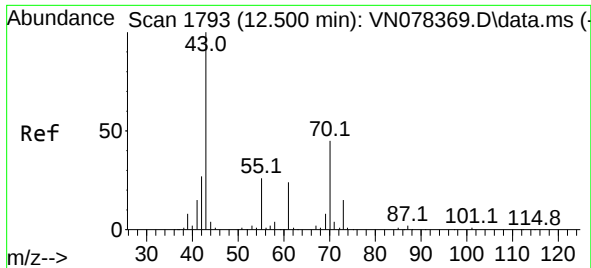
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#46
Methyl methacrylate
Concen: 21.431 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

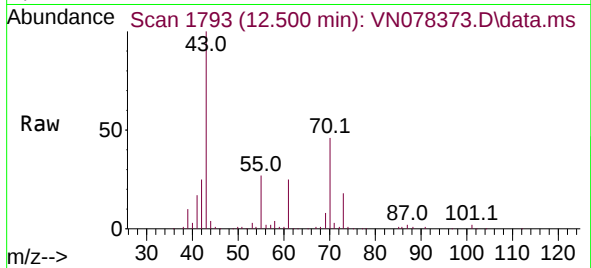
Tgt Ion: 41 Resp: 88495
Ion Ratio Lower Upper
41 100
69 101.2 49.0 147.0
39 65.6 31.6 94.8





#47
n-amy1 Acetate
Concen: 21.196 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

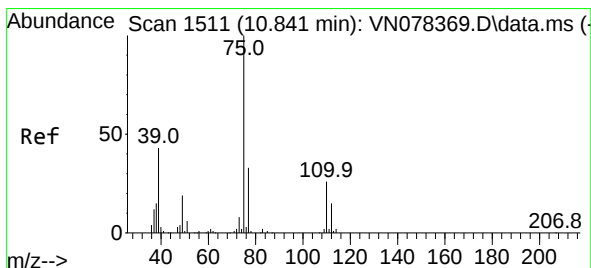
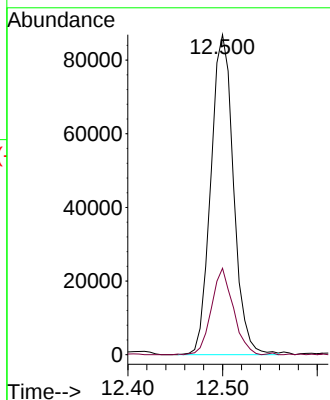
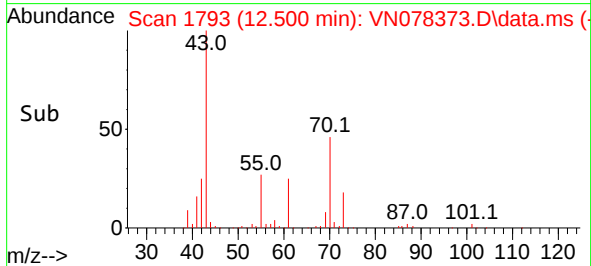
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



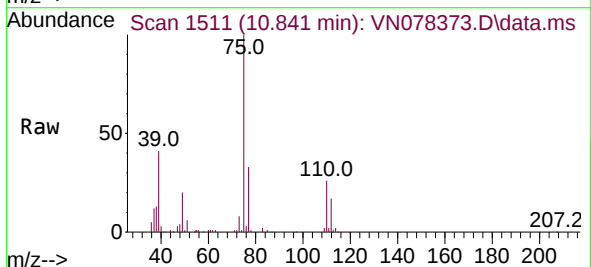
Tgt Ion: 43 Resp: 144540
Ion Ratio Lower Upper
43 100
55 25.9 21.5 32.3

Manual Integrations
APPROVED

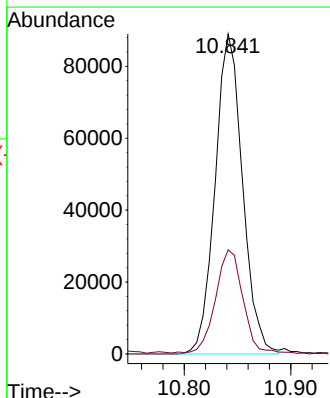
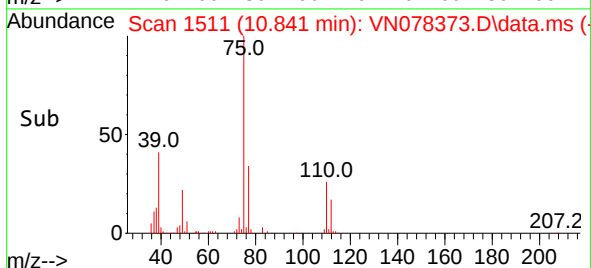
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023

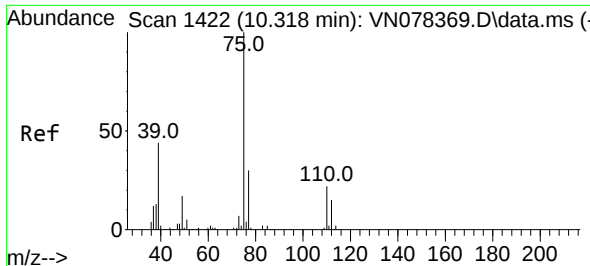


#48
t-1,3-Dichloropropene
Concen: 21.256 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45



Tgt Ion: 75 Resp: 159022
Ion Ratio Lower Upper
75 100
77 32.0 26.1 39.1





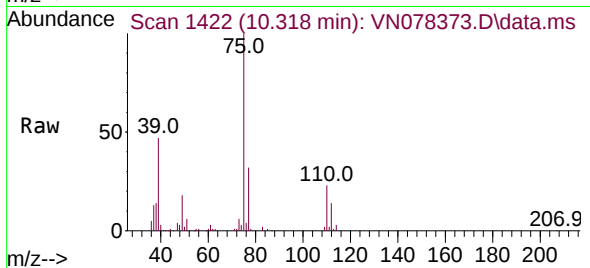
#49
cis-1,3-Dichloropropene
Concen: 21.191 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062323

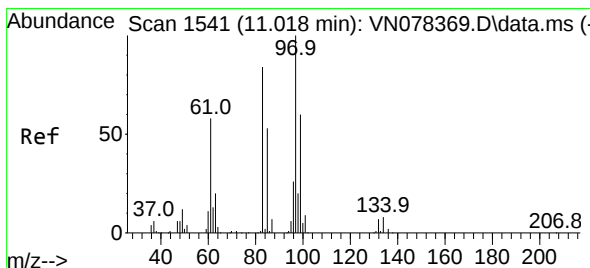
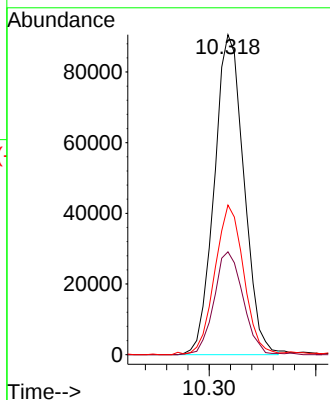
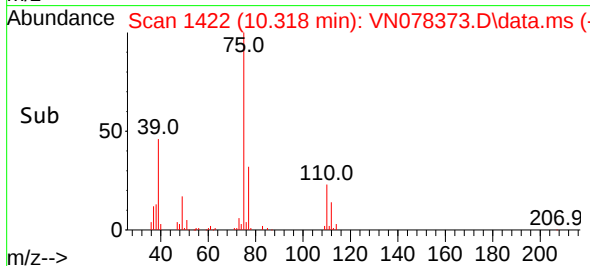


Tgt Ion: 75 Resp: 174730
Ion Ratio Lower Upper
75 100
77 32.2 24.0 36.0
39 46.2 35.1 52.7

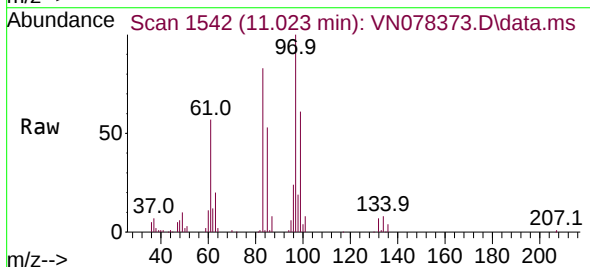
Manual Integrations

APPROVED

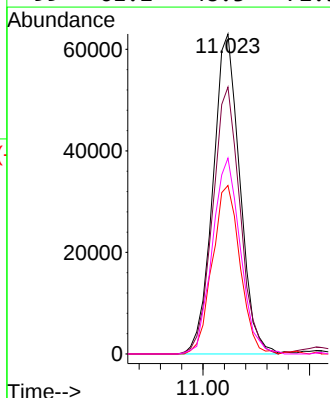
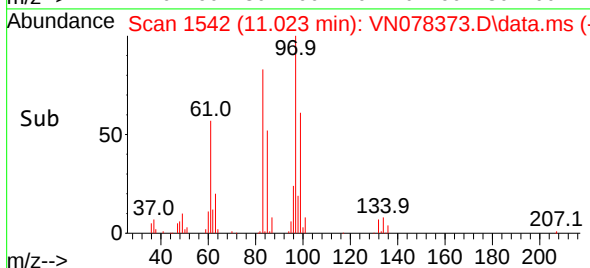
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023

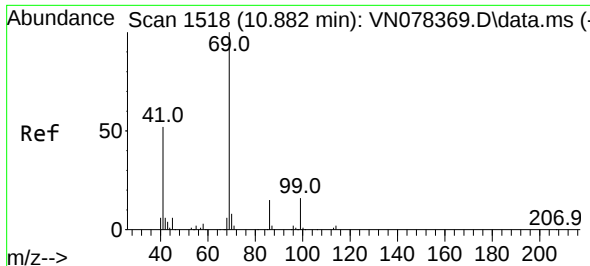


#50
1,1,2-Trichloroethane
Concen: 21.977 ug/l
RT: 11.023 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45



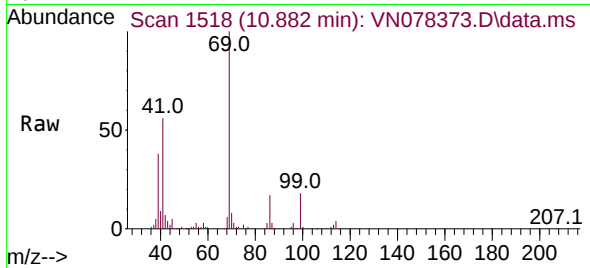
Tgt Ion: 97 Resp: 110519
Ion Ratio Lower Upper
97 100
83 83.4 66.8 100.2
85 52.7 42.5 63.7
99 61.2 48.3 72.5





#51
Ethyl methacrylate
Concen: 21.026 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

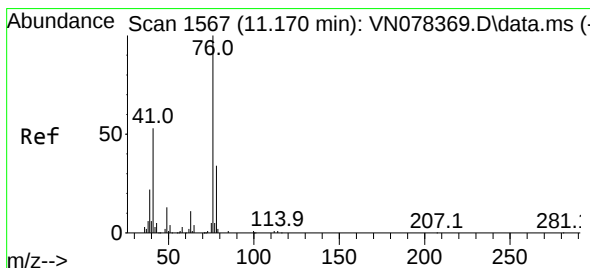
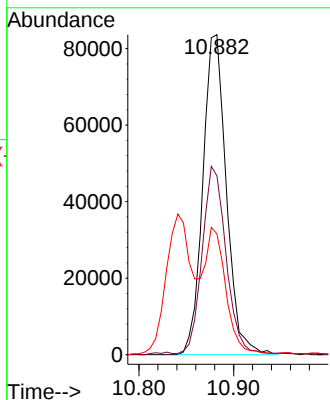
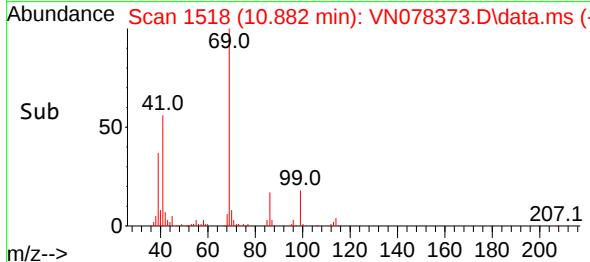
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



Tgt Ion: 69 Resp: 144648
Ion Ratio Lower Upper
69 100
41 55.5 26.0 78.0
39 37.3 16.3 48.9

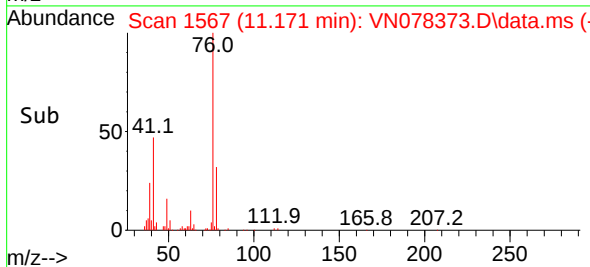
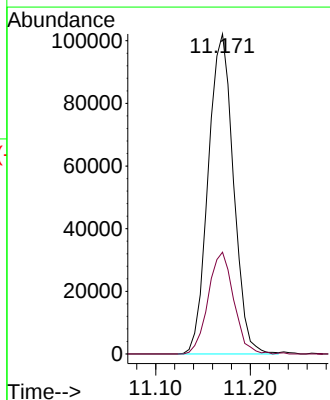
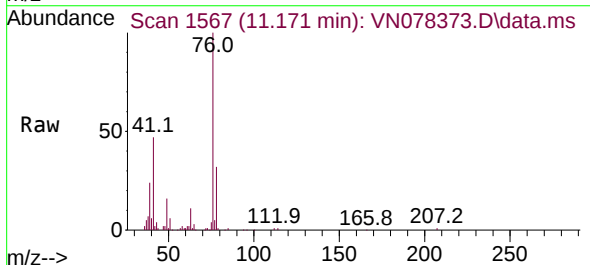
Manual Integrations
APPROVED

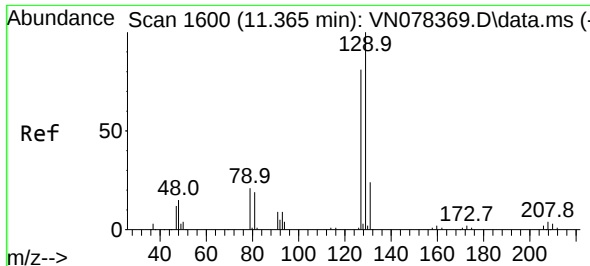
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#52
1,3-Dichloropropane
Concen: 22.444 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

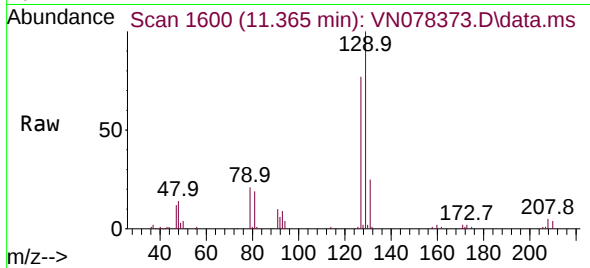
Tgt Ion: 76 Resp: 189427
Ion Ratio Lower Upper
76 100
78 32.0 0.0 66.2





#53
Dibromochloromethane
Concen: 22.025 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

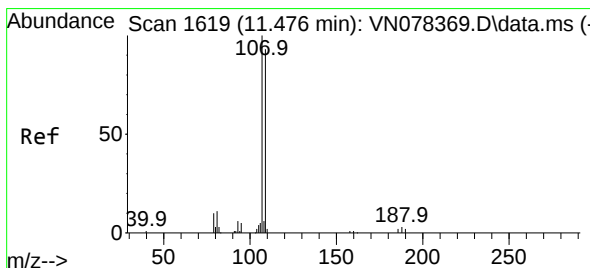
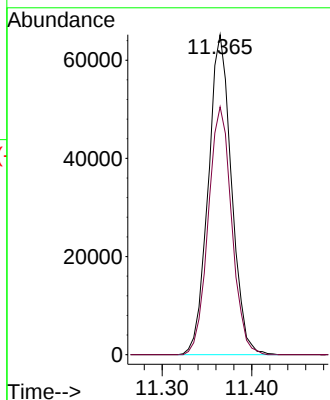
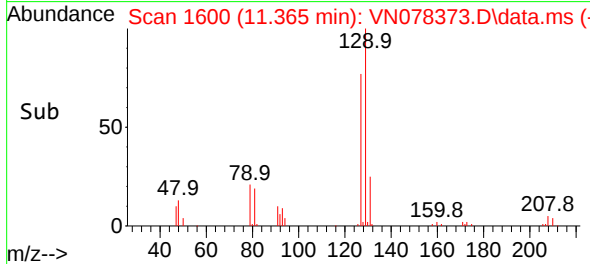
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



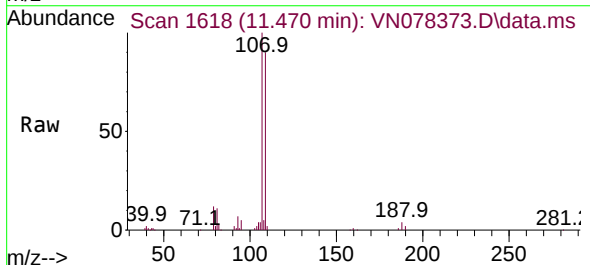
Tgt Ion:129 Resp: 117479
Ion Ratio Lower Upper
129 100
127 77.9 39.4 118.1

Manual Integrations
APPROVED

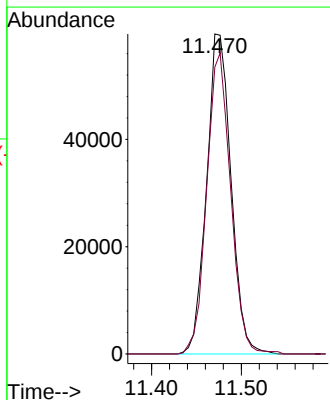
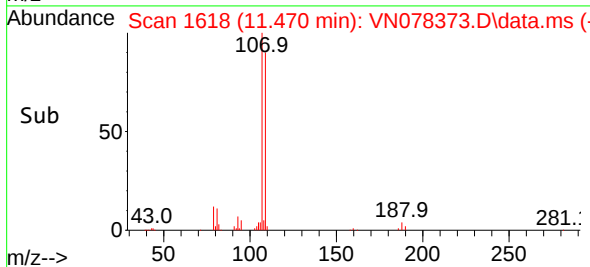
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023

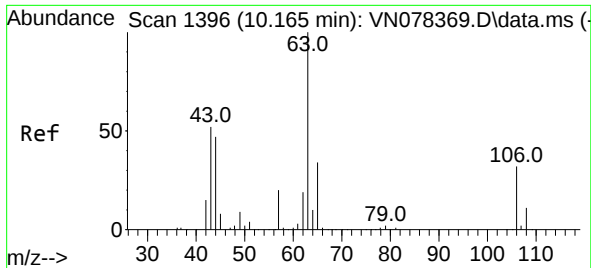


#54
1,2-Dibromoethane
Concen: 22.331 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45



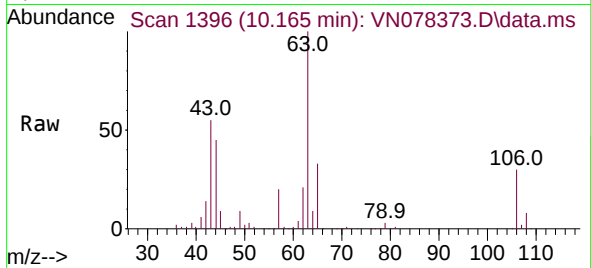
Tgt Ion:107 Resp: 113184
Ion Ratio Lower Upper
107 100
109 91.8 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 94.910 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

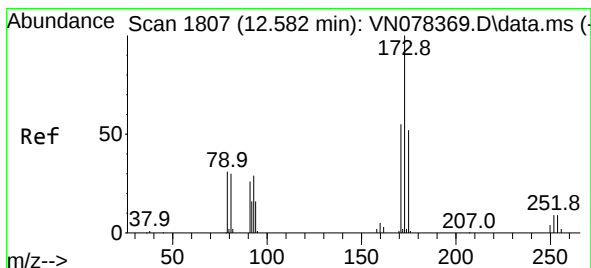
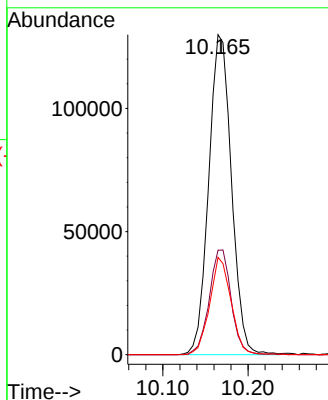
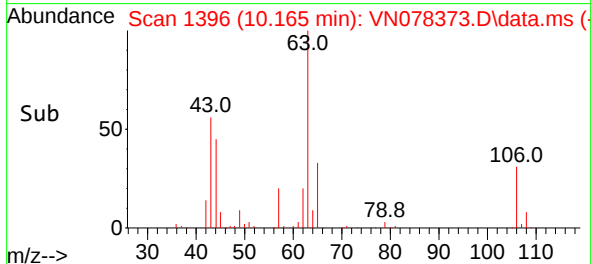
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



Tgt Ion: 63 Resp: 24088
Ion Ratio Lower Upper
63 100
65 31.6 26.3 39.5
106 28.6 23.8 35.6

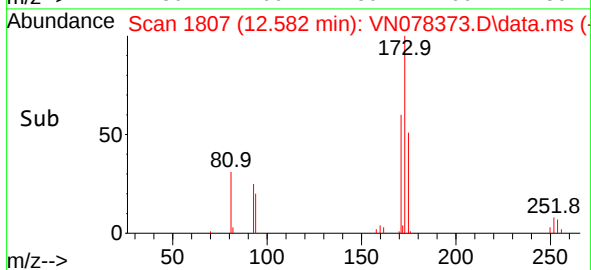
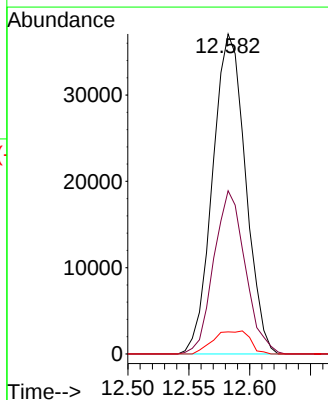
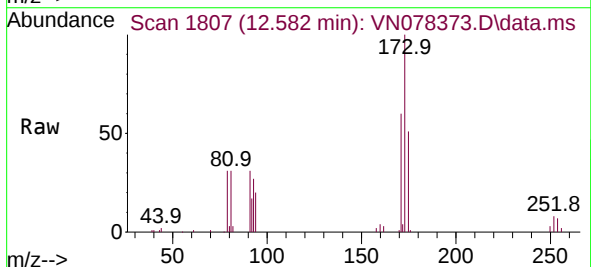
Manual Integrations
APPROVED

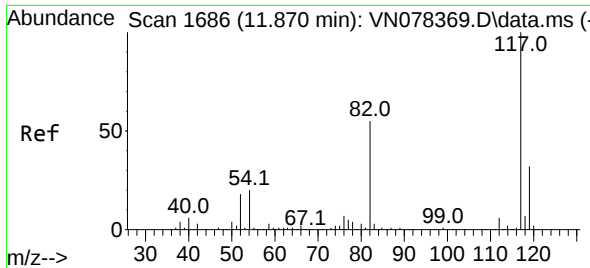
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#56
Bromoform
Concen: 21.340 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

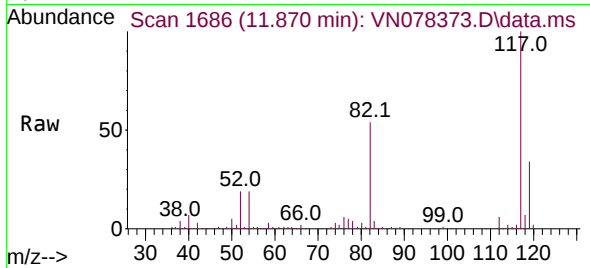
Tgt Ion:173 Resp: 69676
Ion Ratio Lower Upper
173 100
175 48.7 40.7 61.1
254 5.4 6.5 9.7#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

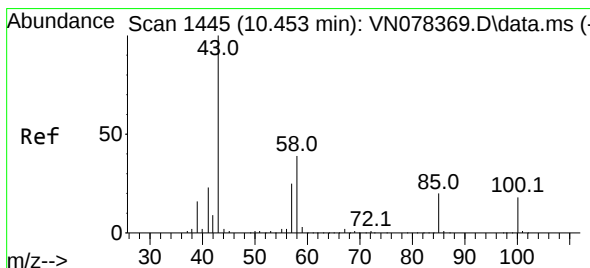
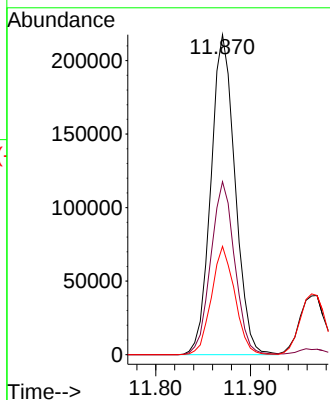
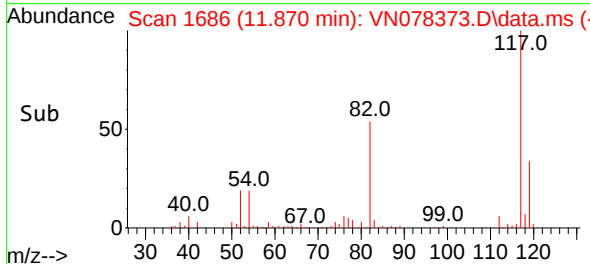
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



Tgt Ion:117 Resp: 385811
Ion Ratio Lower Upper
117 100
82 53.6 43.9 65.9
119 32.8 26.2 39.4

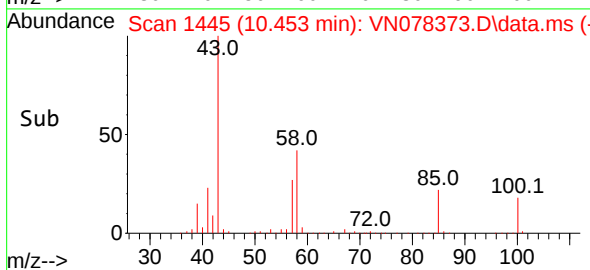
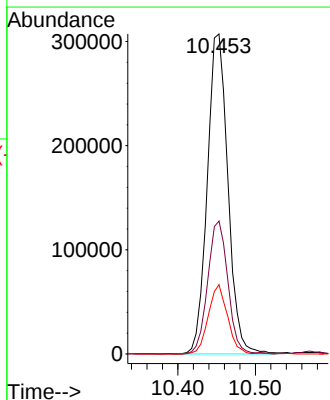
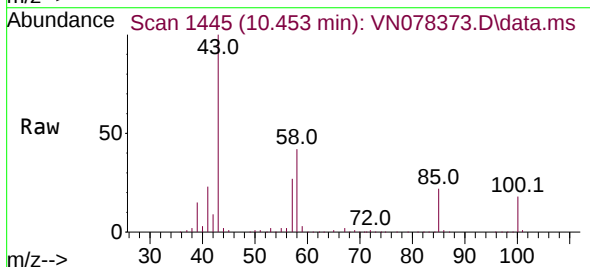
Manual Integrations
APPROVED

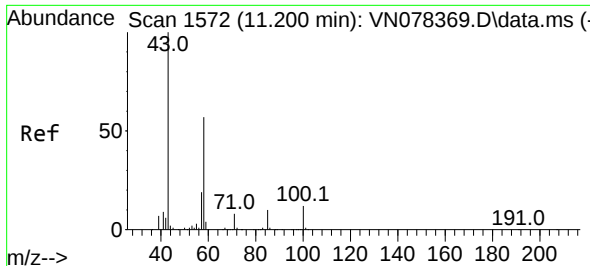
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#58
4-Methyl-2-Pentanone
Concen: 110.561 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

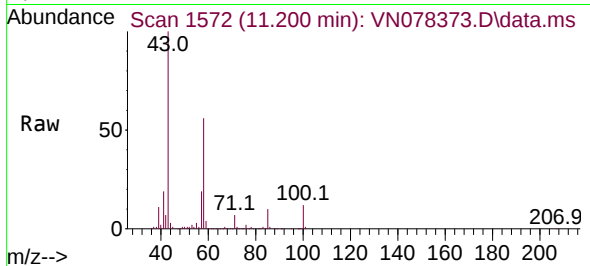
Tgt Ion: 43 Resp: 569631
Ion Ratio Lower Upper
43 100
58 40.4 32.6 48.8
85 20.1 16.2 24.2





#59
2-Hexanone
Concen: 111.020 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

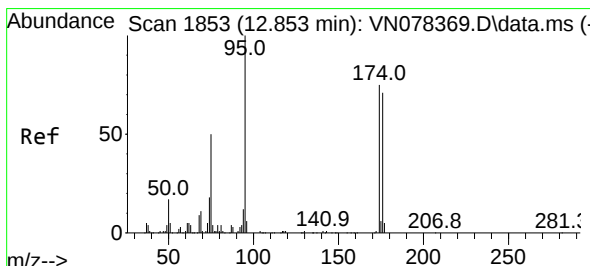
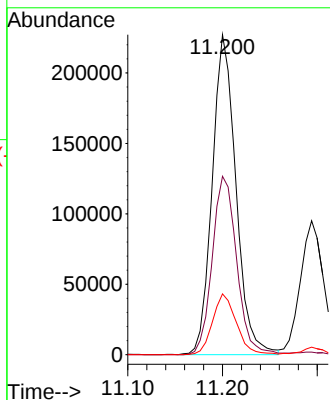
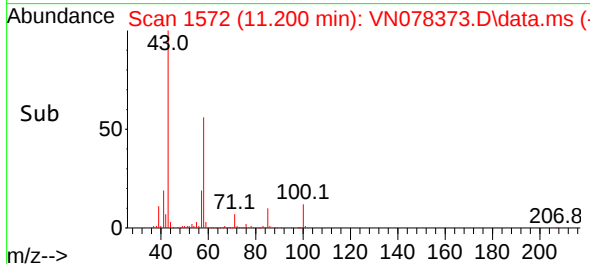
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



Tgt Ion: 43 Resp: 395040
Ion Ratio Lower Upper
43 100
58 57.5 45.9 68.9
57 19.1 15.8 23.6

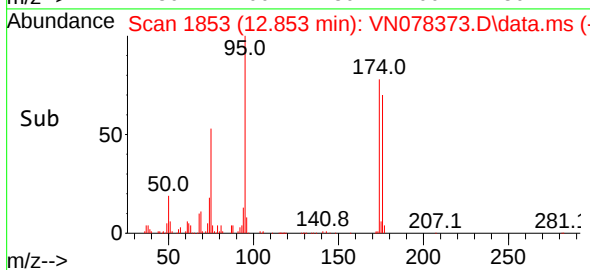
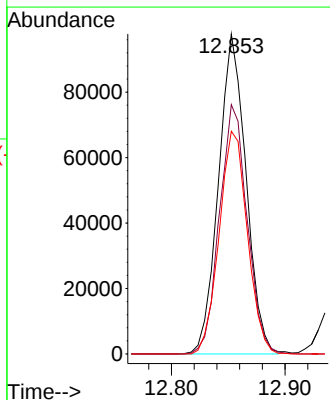
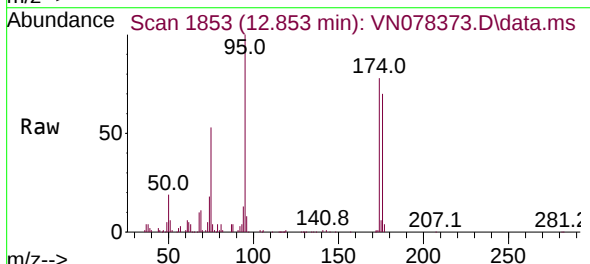
Manual Integrations
APPROVED

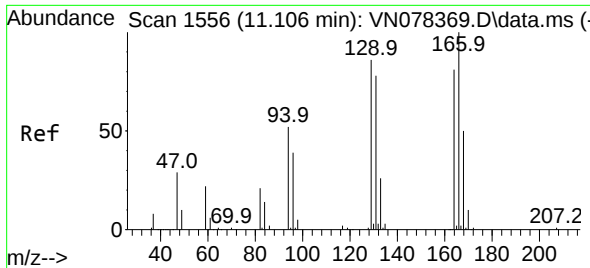
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#60
4-Bromofluorobenzene
Concen: 30.229 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

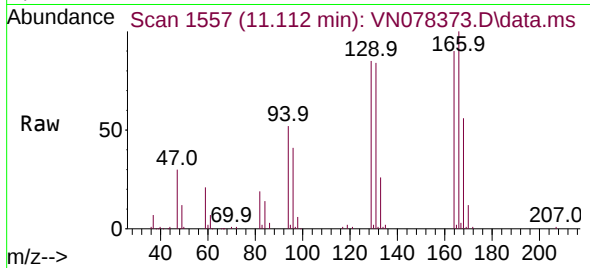
Tgt Ion: 95 Resp: 164317
Ion Ratio Lower Upper
95 100
174 78.3 61.7 92.5
176 71.3 58.1 87.1





#61
Tetrachloroethene
Concen: 22.991 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

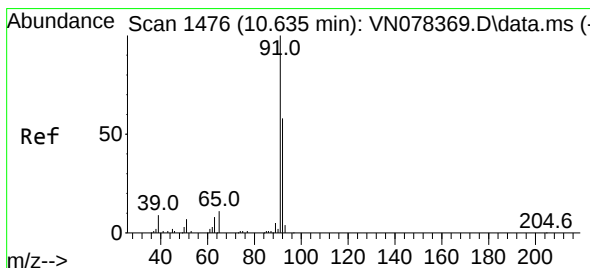
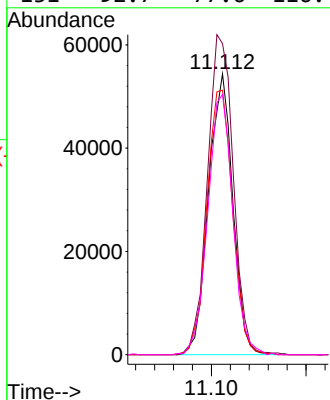
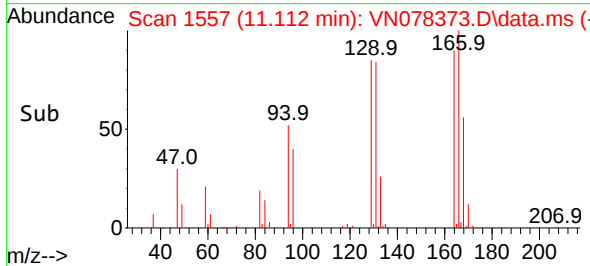
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



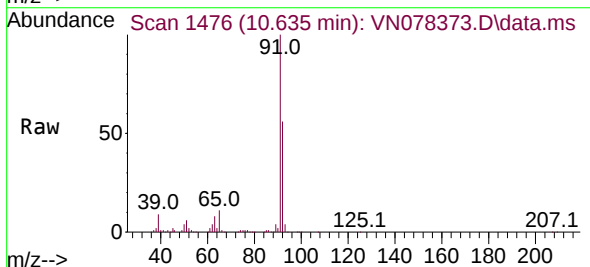
Tgt Ion:164 Resp: 97198
Ion Ratio Lower Upper
164 100
166 110.8 99.1 148.7
129 94.2 85.6 128.4
131 92.7 77.6 116.4

Manual Integrations
APPROVED

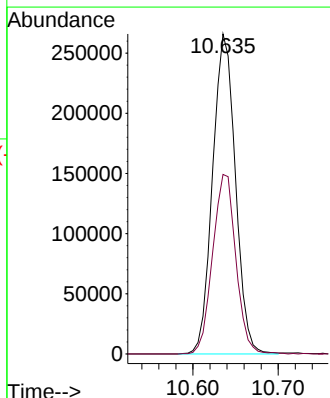
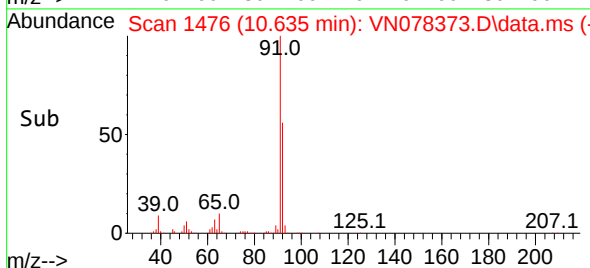
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023

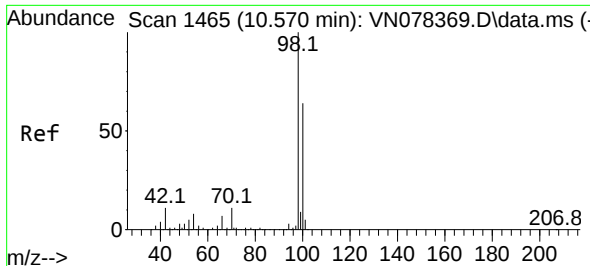


#62
Toluene
Concen: 22.033 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45



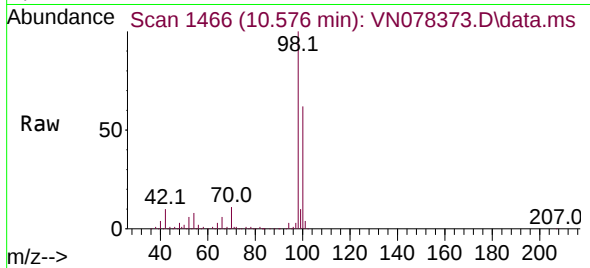
Tgt Ion: 91 Resp: 494726
Ion Ratio Lower Upper
91 100
92 57.1 45.2 67.8





#63
Toluene-d8
Concen: 29.940 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

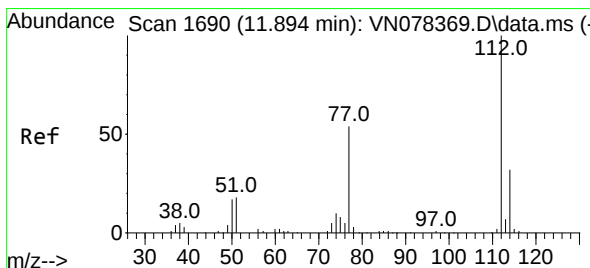
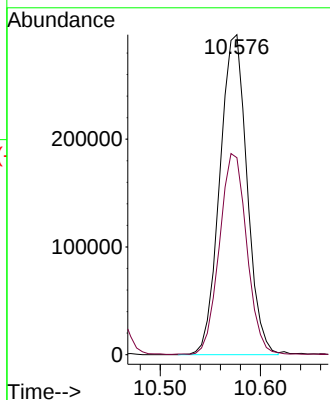
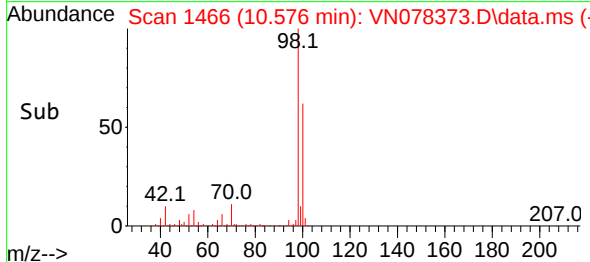
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



Tgt Ion: 98 Resp: 559690
Ion Ratio Lower Upper
98 100
100 63.2 49.7 74.5

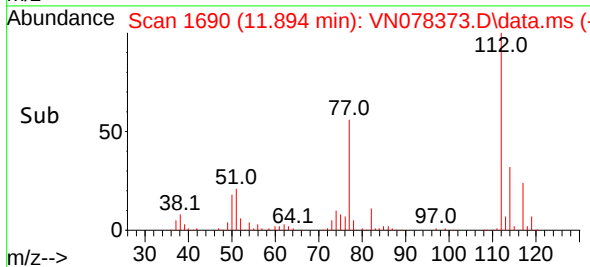
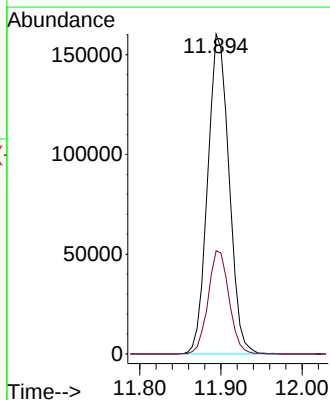
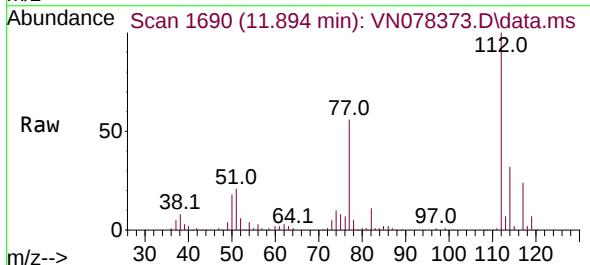
Manual Integrations
APPROVED

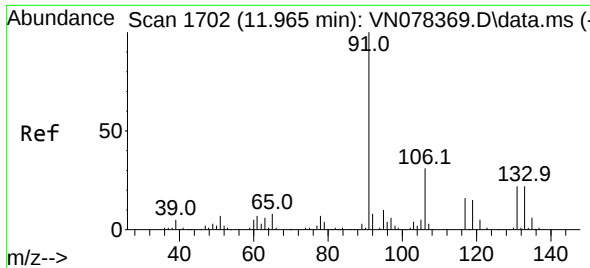
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#64
Chlorobenzene
Concen: 22.027 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

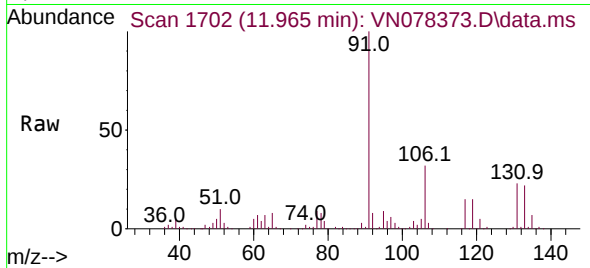
Tgt Ion:112 Resp: 293145
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9





#65
1,1,1,2-Tetrachloroethane
Concen: 21.801 ug/l
RT: 11.965 min Scan# 11188
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

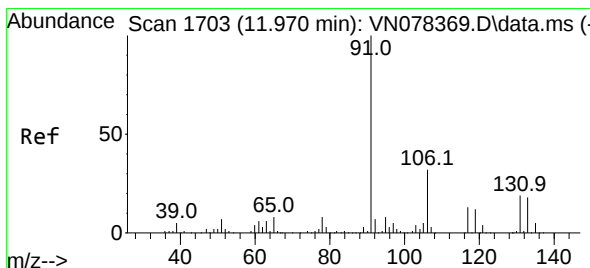
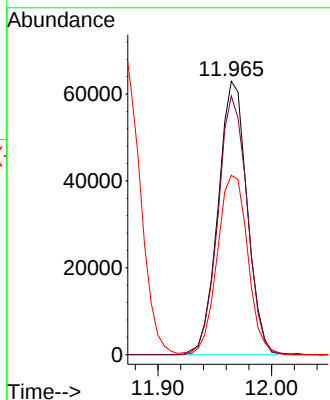
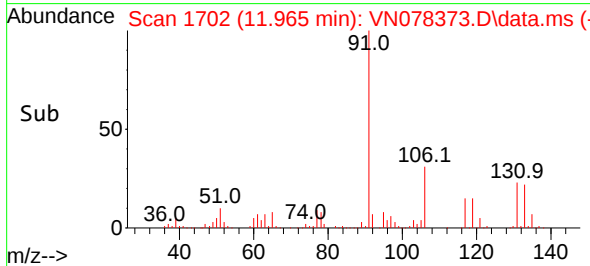
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



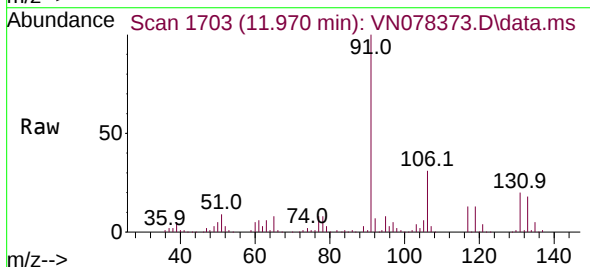
Tgt Ion:131 Resp: 11188
Ion Ratio Lower Upper
131 100
133 95.5 0.0 191.8
119 68.4 0.0 132.0

Manual Integrations
APPROVED

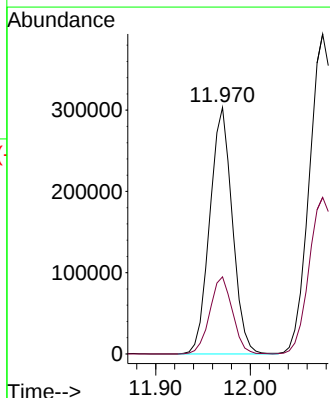
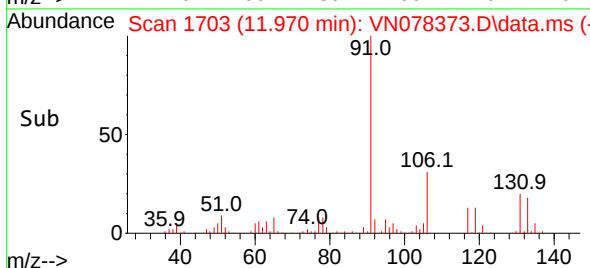
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023

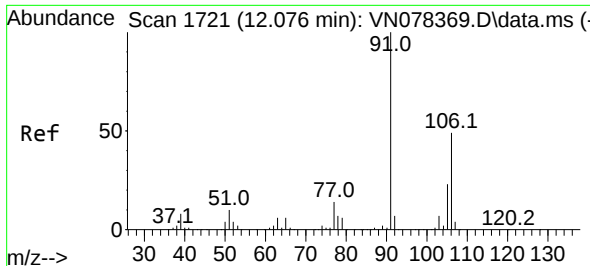


#66
Ethyl Benzene
Concen: 21.985 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45



Tgt Ion: 91 Resp: 502310
Ion Ratio Lower Upper
91 100
106 31.3 25.6 38.4





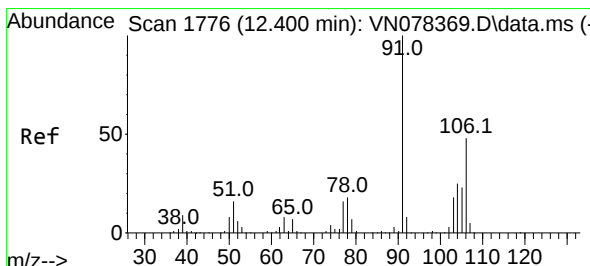
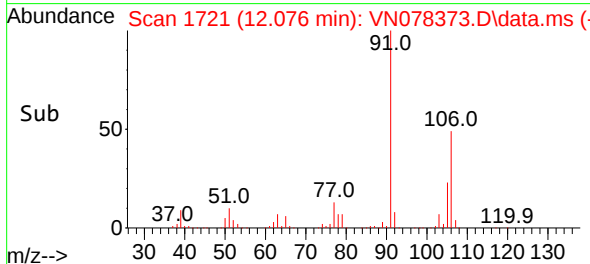
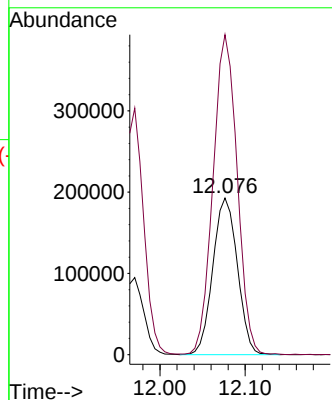
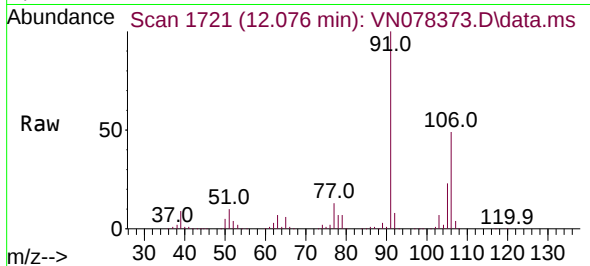
#67
m/p-Xylenes
Concen: 44.623 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323

Tgt Ion:106 Resp: 385498
Ion Ratio Lower Upper
106 100
91 200.9 162.5 243.7

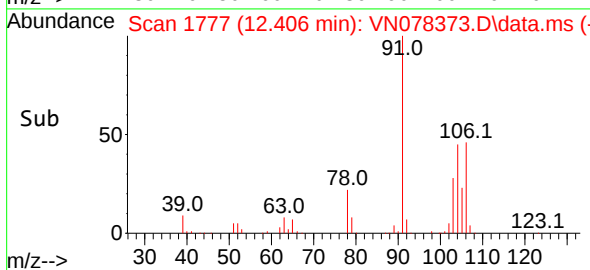
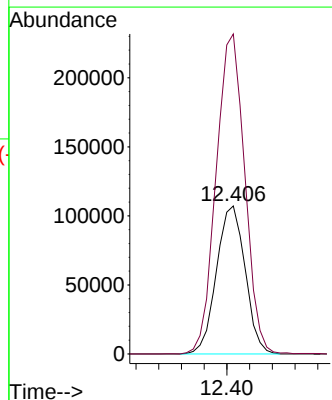
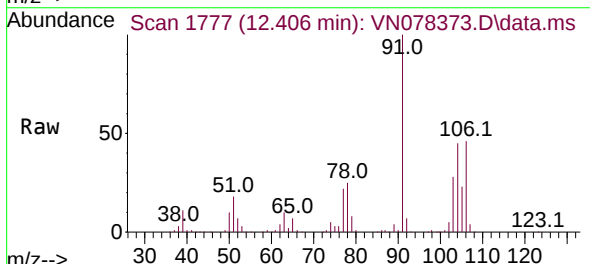
Manual Integrations
APPROVED

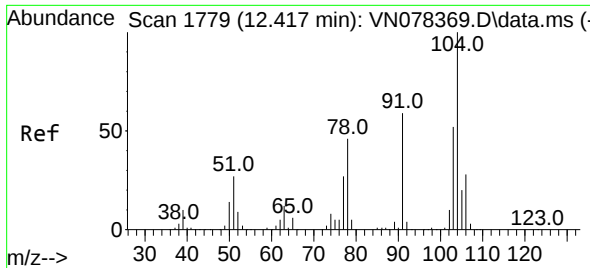
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#68
o-Xylene
Concen: 22.412 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Tgt Ion:106 Resp: 187753
Ion Ratio Lower Upper
106 100
91 216.3 106.1 318.3





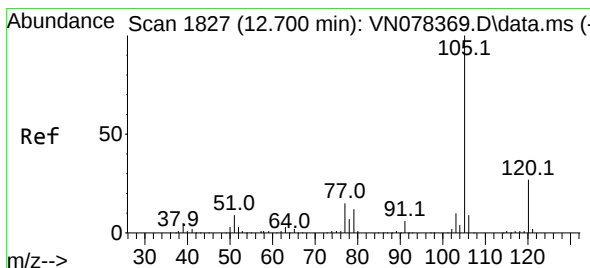
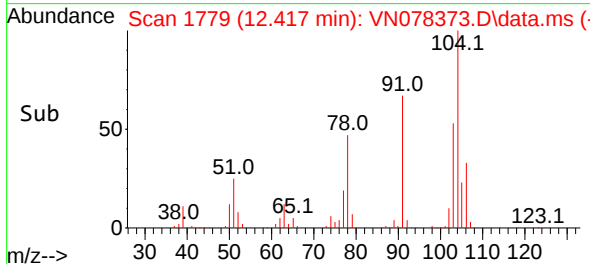
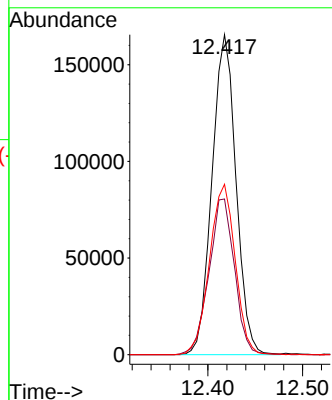
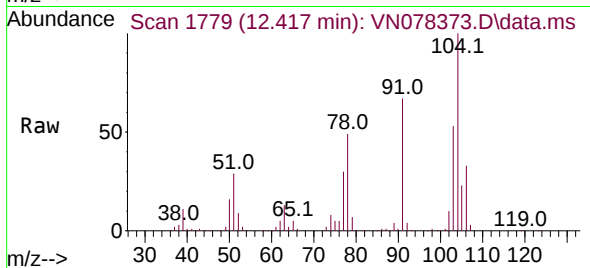
#69
Styrene
Concen: 21.981 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323

Tgt Ion:104 Resp: 29156
Ion Ratio Lower Upper
104 100
78 51.7 40.1 60.1
103 57.0 45.1 67.7

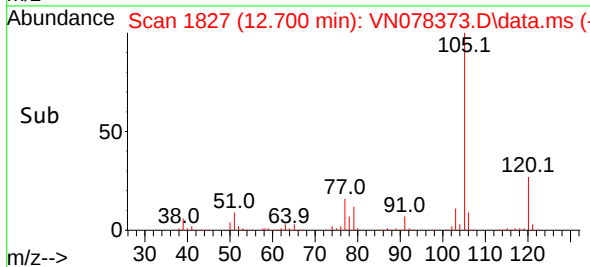
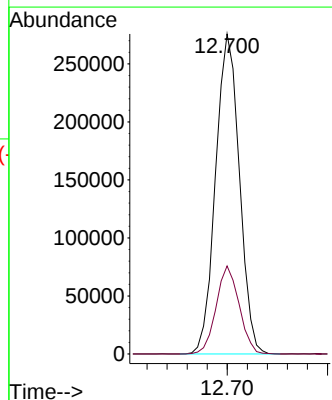
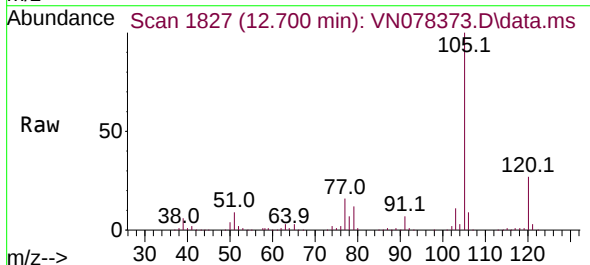
Manual Integrations
APPROVED

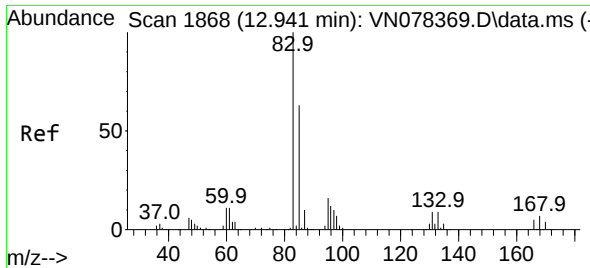
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#70
Isopropylbenzene
Concen: 22.027 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

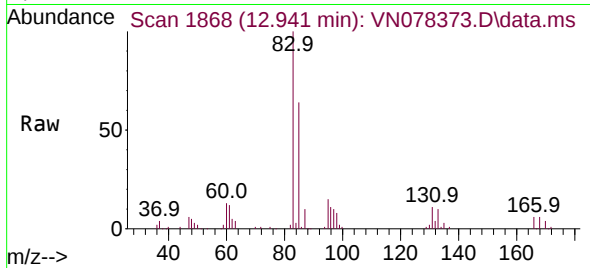
Tgt Ion:105 Resp: 453418
Ion Ratio Lower Upper
105 100
120 26.5 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 22.079 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

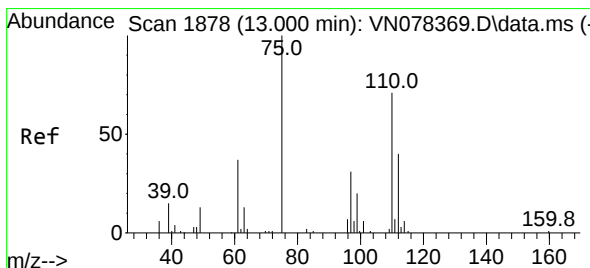
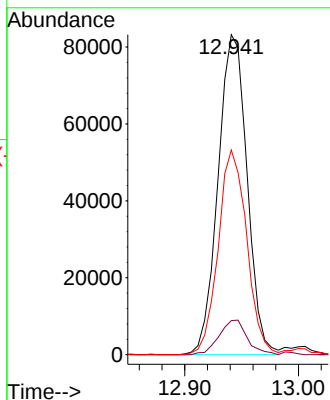
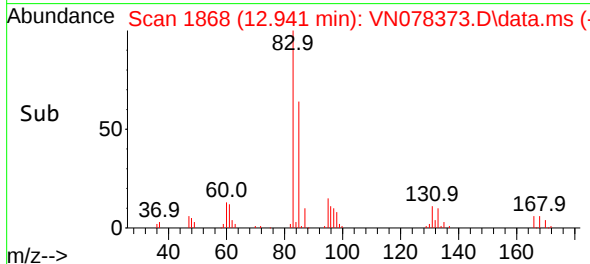
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



Tgt Ion: 83 Resp: 147799
Ion Ratio Lower Upper
83 100
131 10.4 4.8 14.4
85 62.8 32.6 98.0

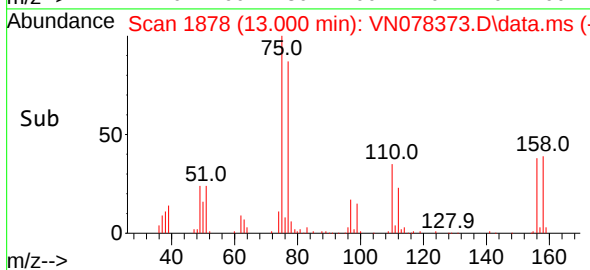
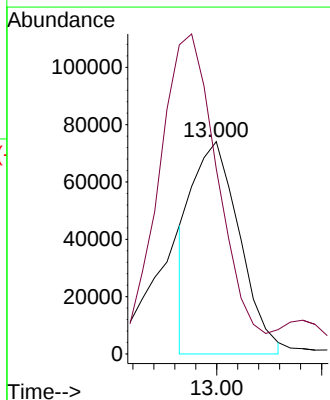
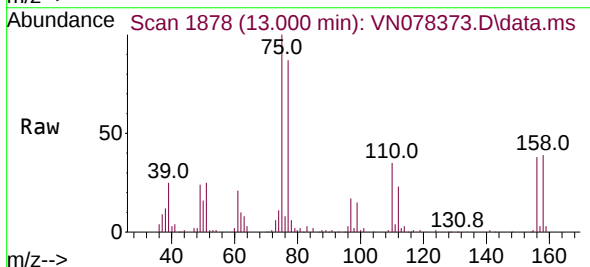
Manual Integrations
APPROVED

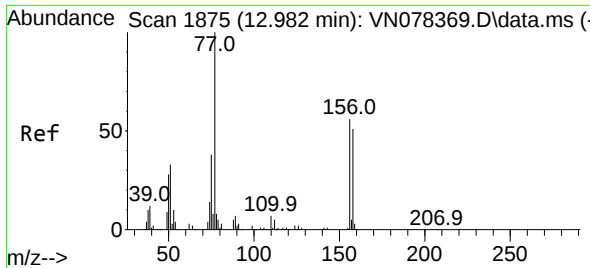
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#72
1,2,3-Trichloropropane
Concen: 20.943 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

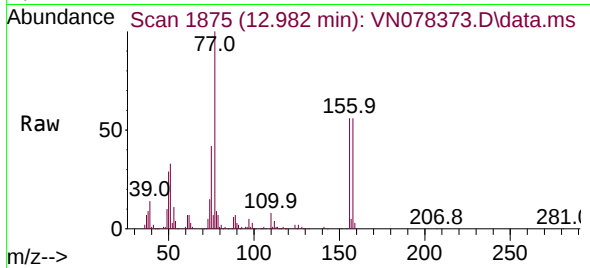
Tgt Ion: 75 Resp: 116858
Ion Ratio Lower Upper
75 100
77 191.6 0.0 387.4





#73
Bromobenzene
Concen: 21.650 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

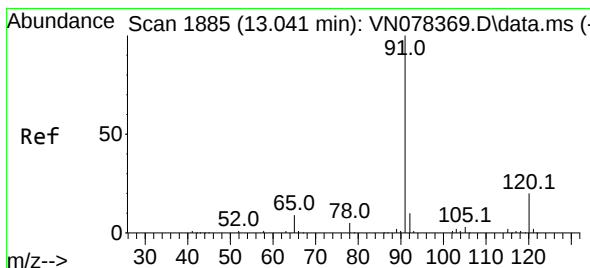
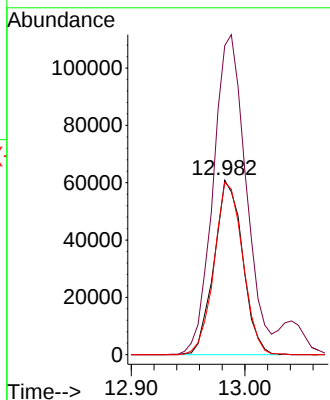
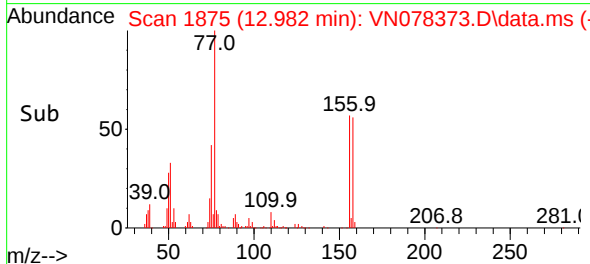
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



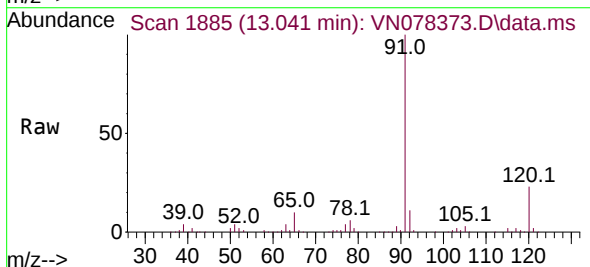
Tgt Ion:156 Resp: 106549
Ion Ratio Lower Upper
156 100
77 210.1 0.0 420.8
158 98.9 0.0 193.2

Manual Integrations
APPROVED

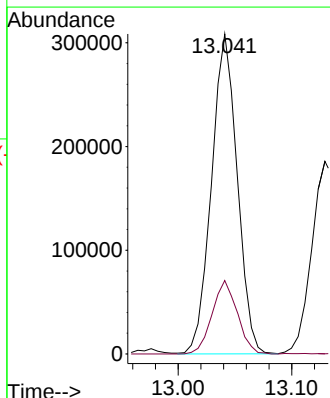
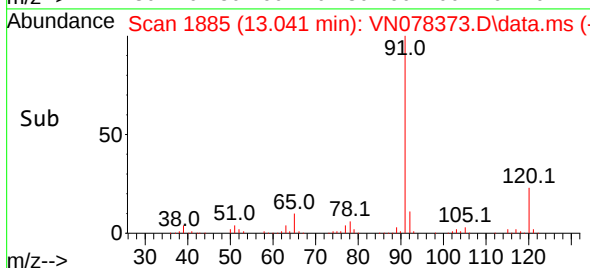
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023

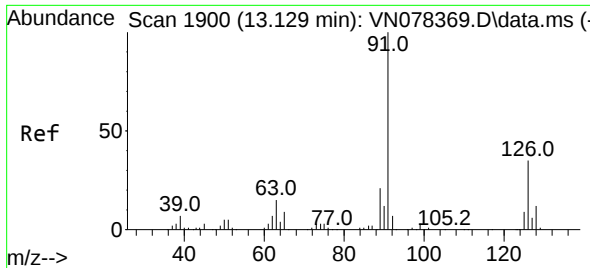


#74
n-propylbenzene
Concen: 21.712 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45



Tgt Ion: 91 Resp: 485994
Ion Ratio Lower Upper
91 100
120 22.4 0.0 44.6





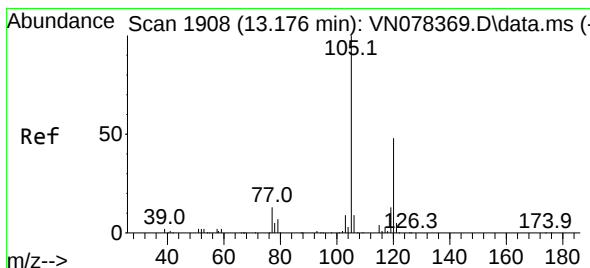
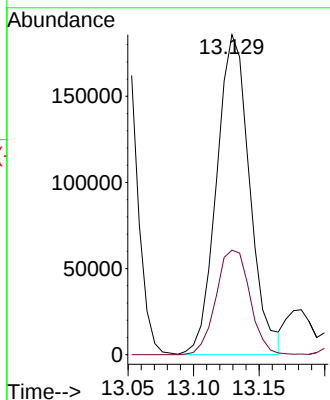
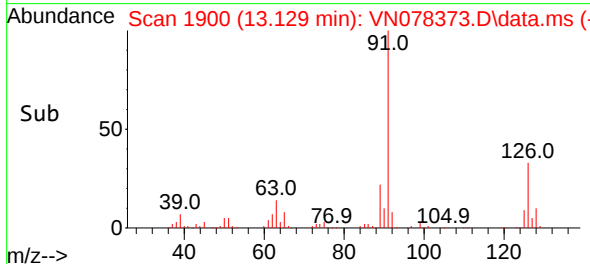
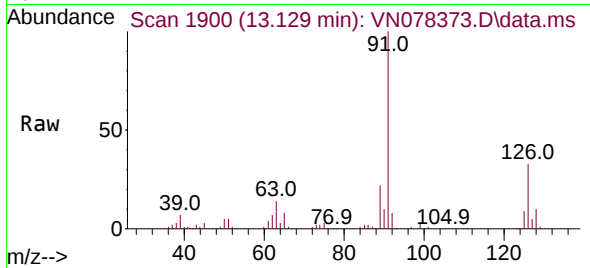
#75
2-Chlorotoluene
Concen: 21.502 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323

Tgt Ion: 91 Resp: 32580
Ion Ratio Lower Upper
91 100
126 33.5 0.0 67.2

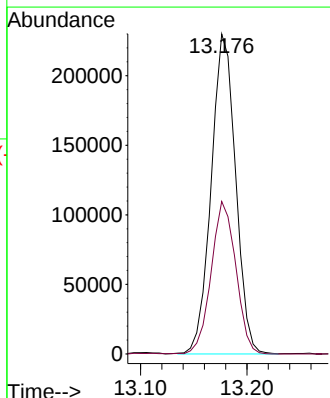
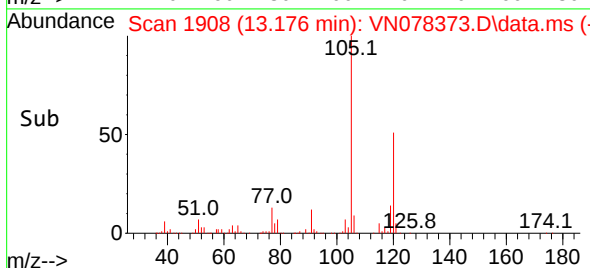
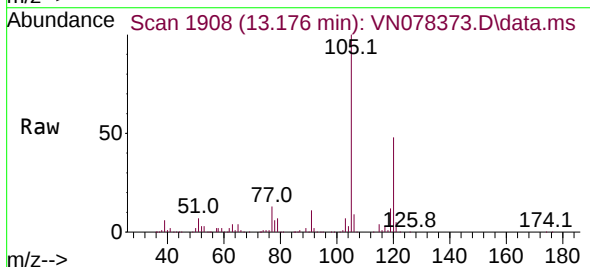
Manual Integrations
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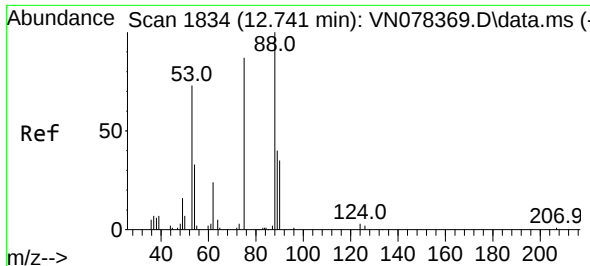
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#76
1,3,5-Trimethylbenzene
Concen: 21.460 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

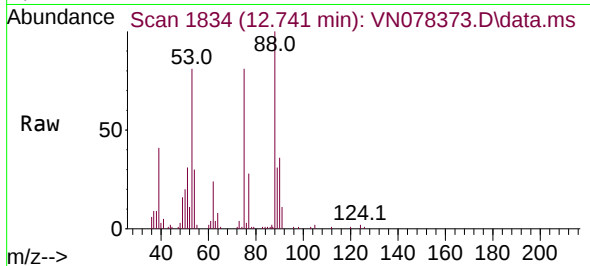
Tgt Ion:105 Resp: 366299
Ion Ratio Lower Upper
105 100
120 48.0 0.0 97.2





#77
t-1,4-Dichloro-2-butene
Concen: 21.051 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

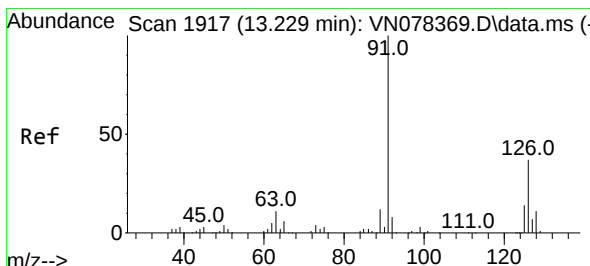
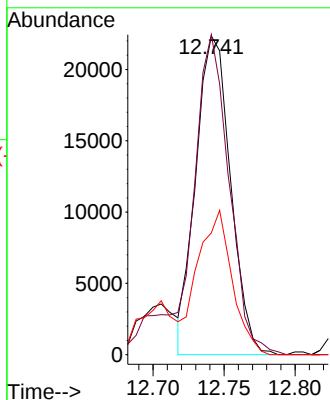
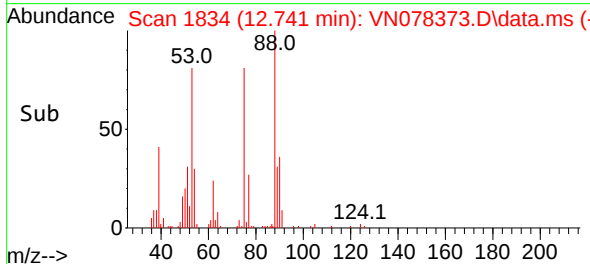
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



Tgt Ion: 75 Resp: 3796
Ion Ratio Lower Upper
75 100
53 99.5 41.6 124.9
89 38.2 25.1 75.4

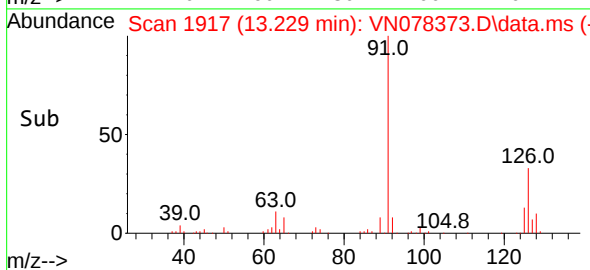
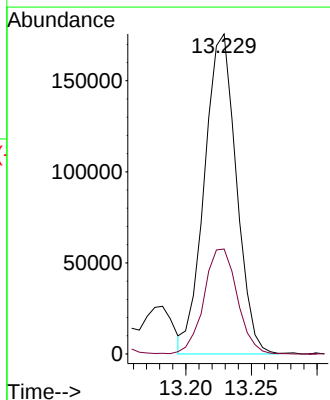
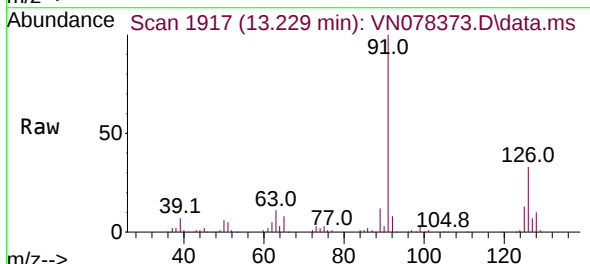
Manual Integrations
APPROVED

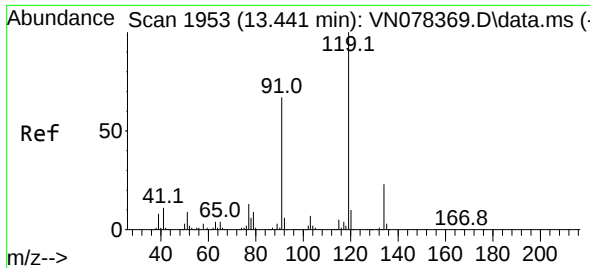
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#78
4-Chlorotoluene
Concen: 20.968 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Tgt Ion: 91 Resp: 297320
Ion Ratio Lower Upper
91 100
126 34.2 0.0 68.8





#79
tert-butylbenzene
Concen: 21.763 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

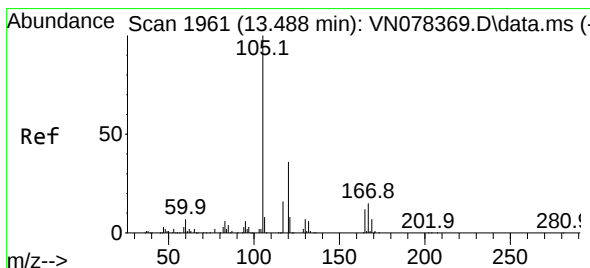
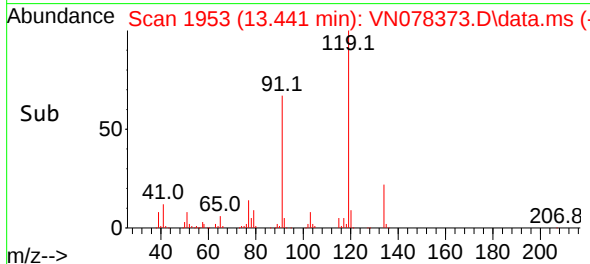
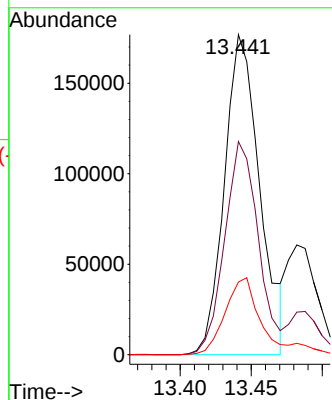
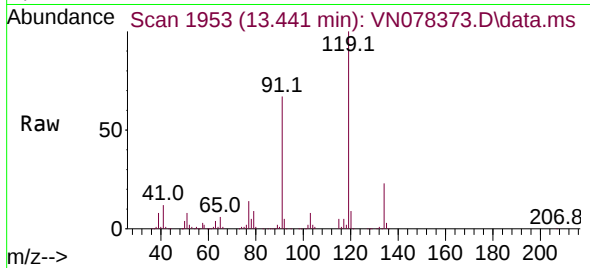
ICVVN062323

Tgt Ion:119 Resp: 30558
Ion Ratio Lower Upper
119 100
91 63.7 0.0 126.6
134 23.4 0.0 44.0

Manual Integrations

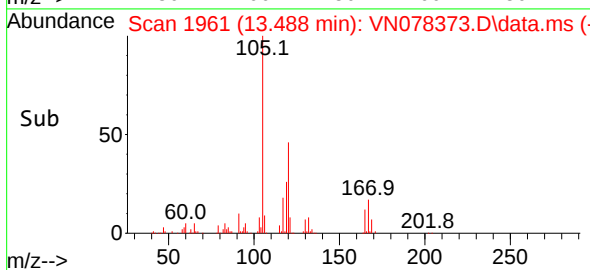
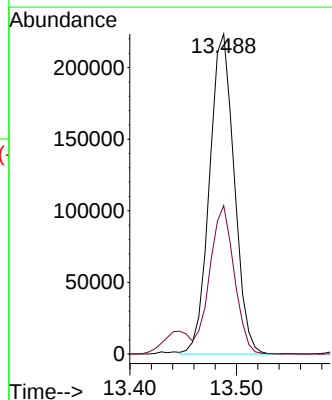
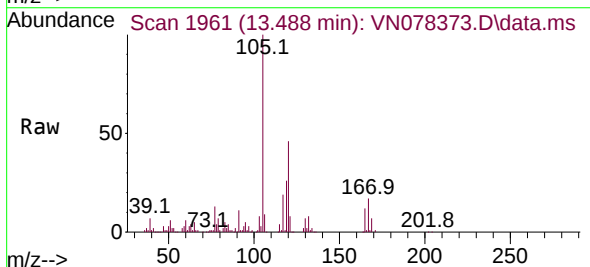
APPROVED

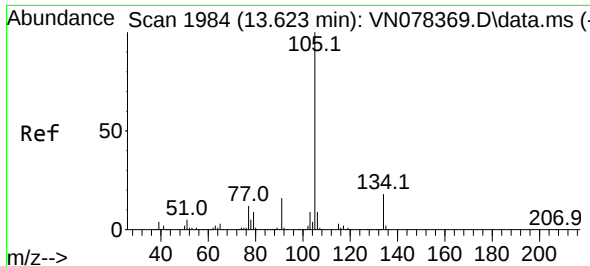
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#80
1,2,4-Trimethylbenzene
Concen: 22.337 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

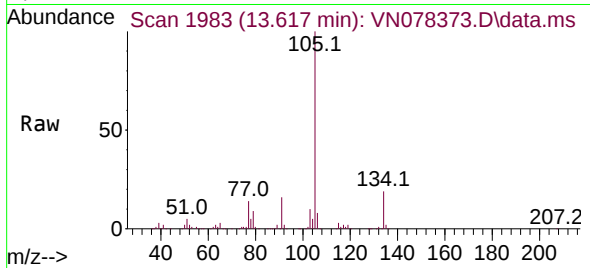
Tgt Ion:105 Resp: 360275
Ion Ratio Lower Upper
105 100
120 45.7 0.0 88.2





#81
 sec-Butylbenzene
 Concen: 21.296 ug/l
 RT: 13.617 min Scan# 1984
 Delta R.T. -0.006 min
 Lab File: VN078373.D
 Acq: 23 Jun 2023 12:45

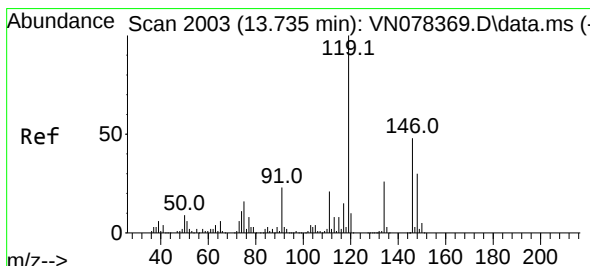
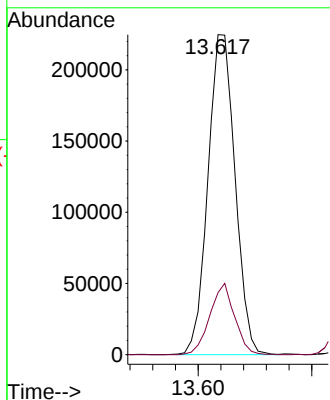
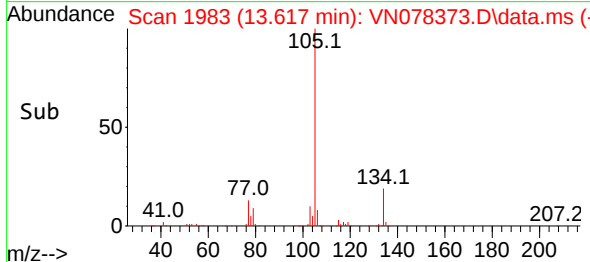
Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN062323



Tgt Ion:105 Resp: 37304
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 38.6

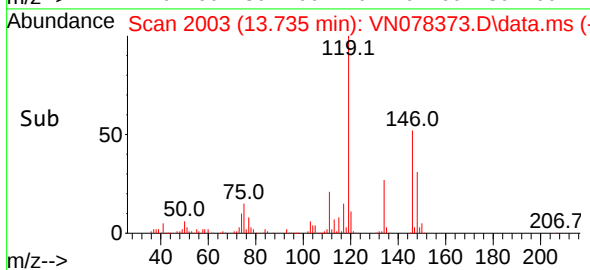
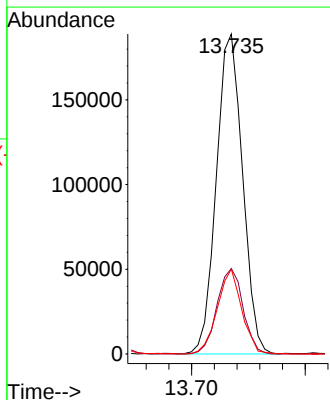
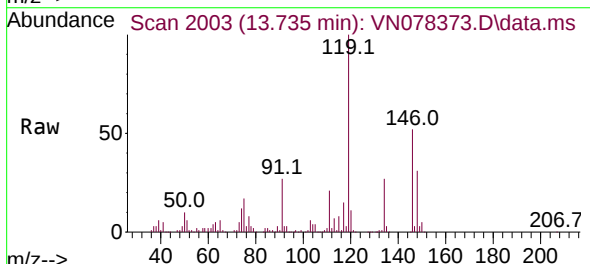
Manual Integrations
 APPROVED

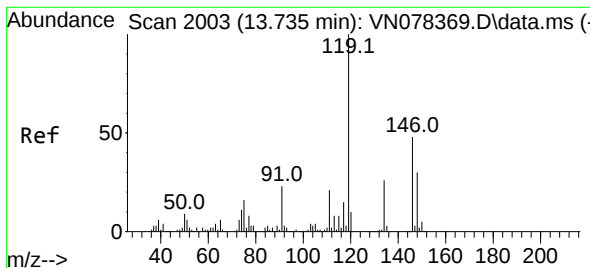
Reviewed By :John Carlone 06/24/2023
 Supervised By :Mahesh Dadoda 06/26/2023



#82
 p-Isopropyltoluene
 Concen: 21.499 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078373.D
 Acq: 23 Jun 2023 12:45

Tgt Ion:119 Resp: 302917
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 52.4
 91 24.6 0.0 48.2





#83

1,3-Dichlorobenzene

Concen: 21.271 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN078373.D

Acq: 23 Jun 2023 12:45

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062323

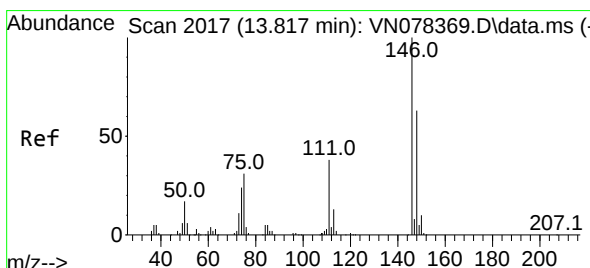
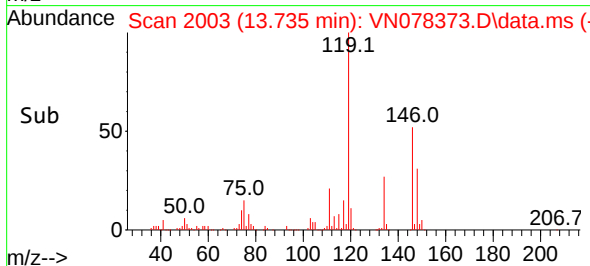
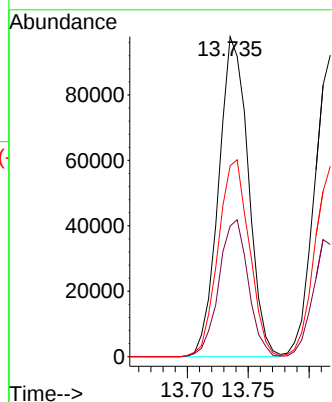
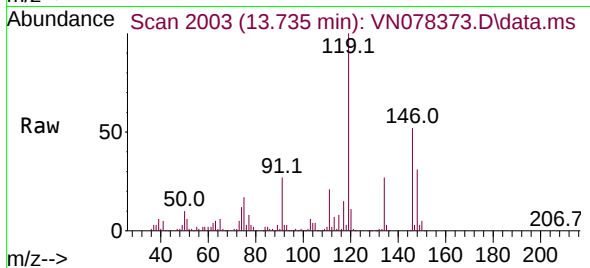
Tgt Ion:	146	Resp:	16592
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.6	64.6
148	64.5	31.9	95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/24/2023

Supervised By :Mahesh Dadoda 06/26/2023



#84

1,4-Dichlorobenzene

Concen: 21.151 ug/l

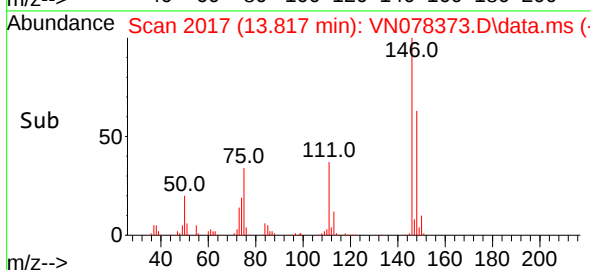
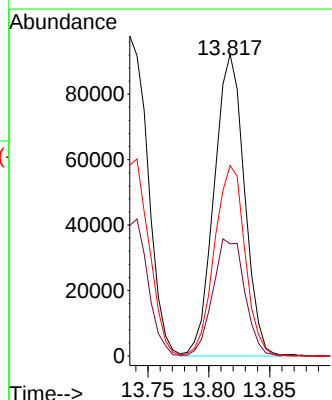
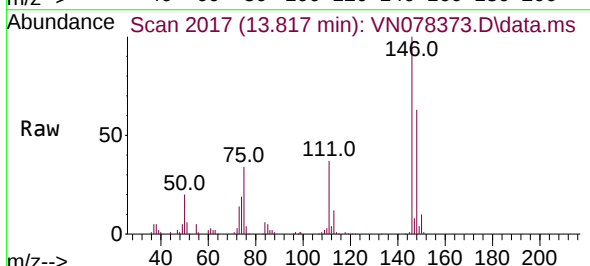
RT: 13.817 min Scan# 2017

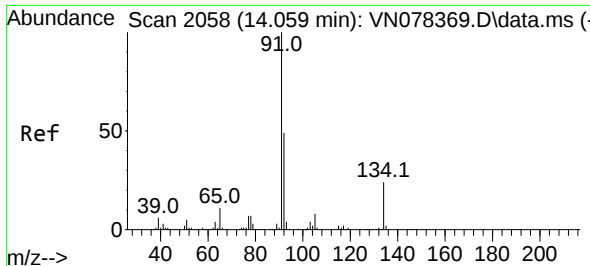
Delta R.T. 0.000 min

Lab File: VN078373.D

Acq: 23 Jun 2023 12:45

Tgt Ion:	146	Resp:	159516
Ion Ratio	Lower	Upper	
146	100		
111	40.7	19.4	58.2
148	63.4	31.4	94.3





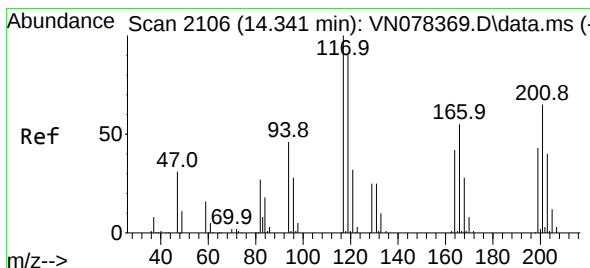
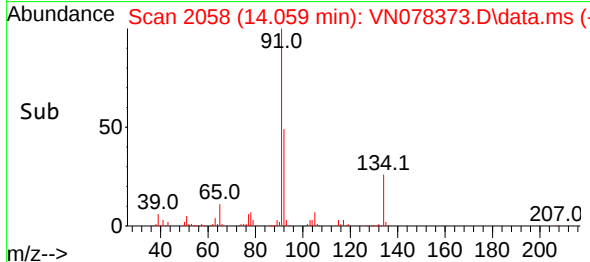
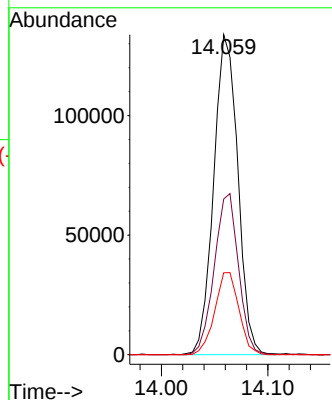
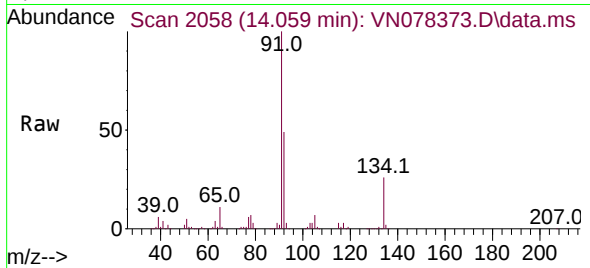
#85
n-Butylbenzene
Concen: 20.251 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323

Tgt Ion: 91 Resp: 21076
Ion Ratio Lower Upper
91 100
92 50.5 0.0 99.6
134 25.7 0.0 50.0

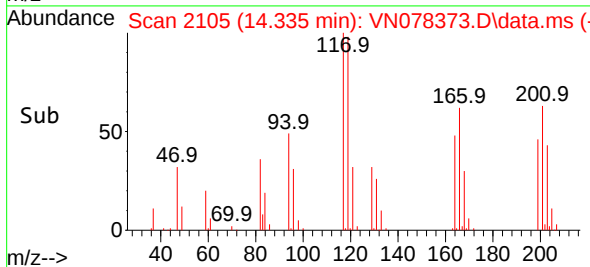
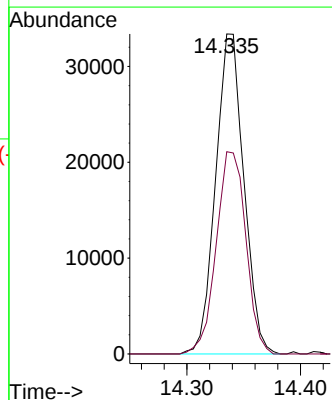
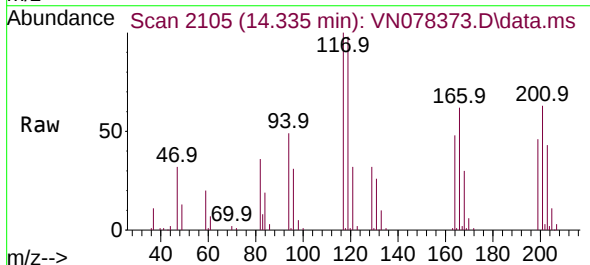
Manual Integrations
APPROVED

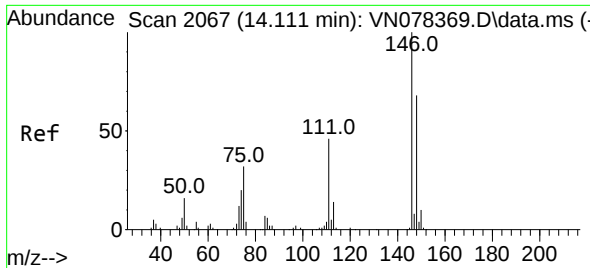
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#86
Hexachloroethane
Concen: 21.273 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Tgt Ion:117 Resp: 57689
Ion Ratio Lower Upper
117 100
201 66.2 34.2 102.6





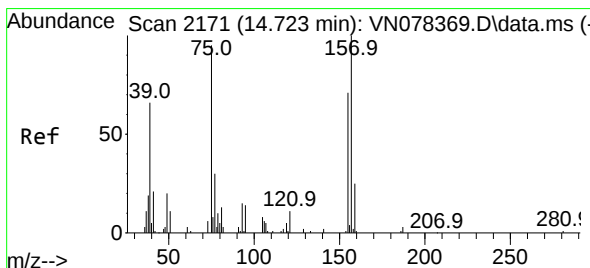
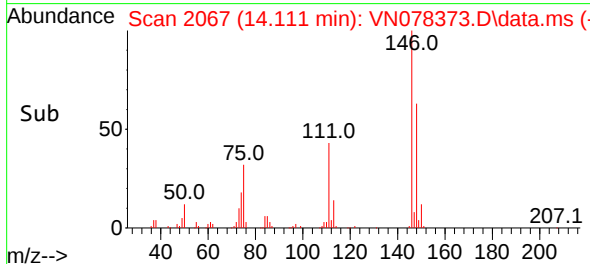
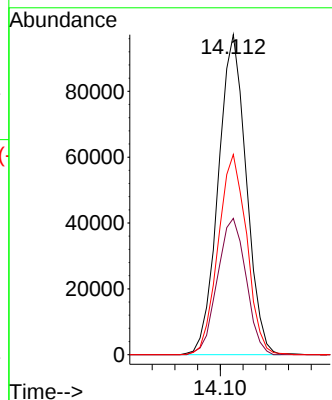
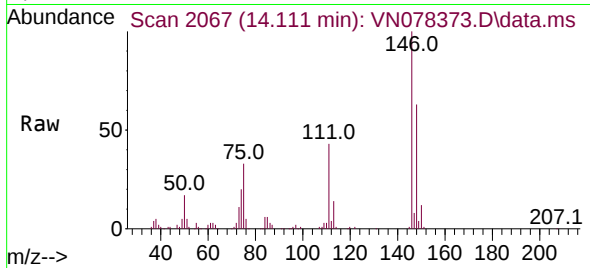
#87
1,2-Dichlorobenzene
Concen: 21.547 ug/l
RT: 14.111 min Scan# 2067
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323

Tgt Ion:146 Resp: 166600
Ion Ratio Lower Upper
146 100
111 43.4 22.4 67.3
148 63.6 33.4 100.1

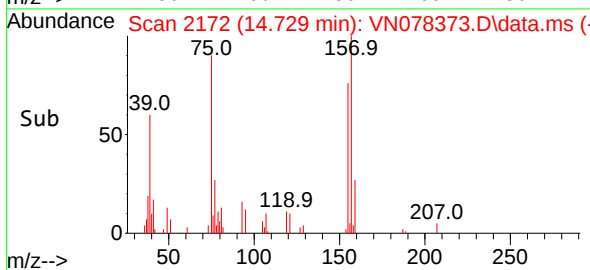
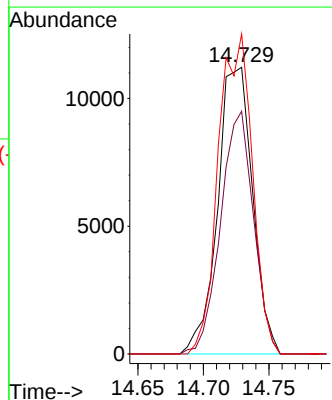
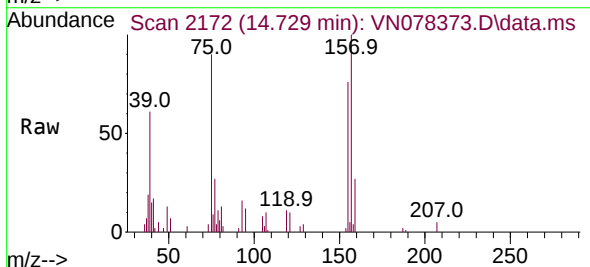
Manual Integrations
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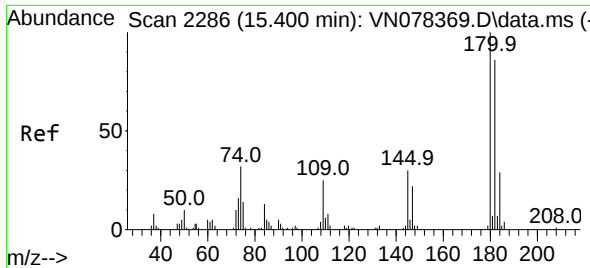
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 20.684 ug/l
RT: 14.729 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

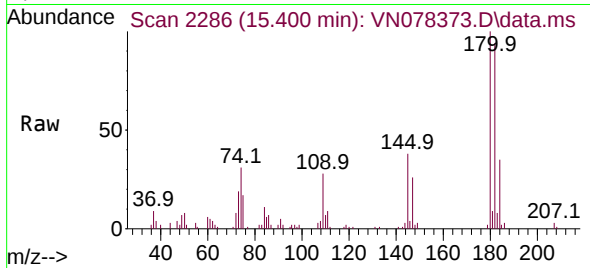
Tgt Ion: 75 Resp: 20862
Ion Ratio Lower Upper
75 100
155 79.4 68.2 102.2
157 108.1 84.7 127.1





#89
1,2,4-Trichlorobenzene
Concen: 17.740 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

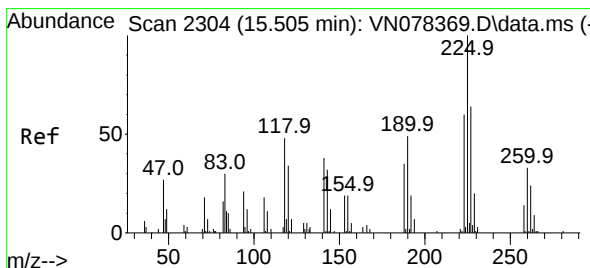
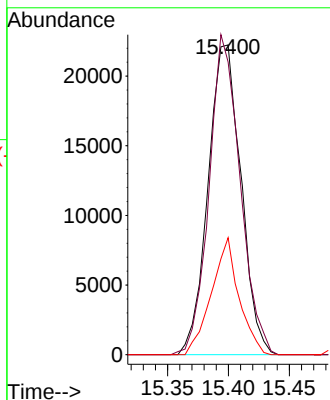
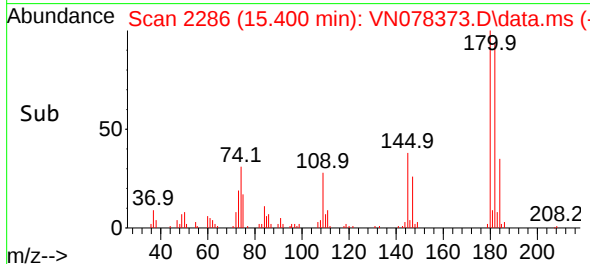
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



Tgt Ion:180 Resp: 41824
Ion Ratio Lower Upper
180 100
182 97.2 73.7 110.5
145 31.6 25.0 37.6

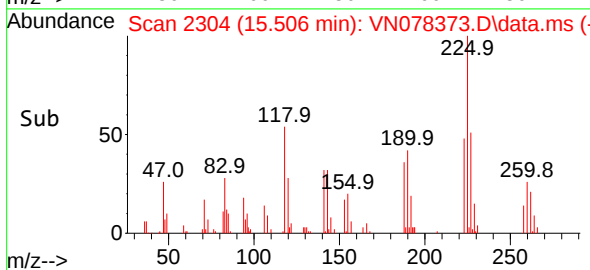
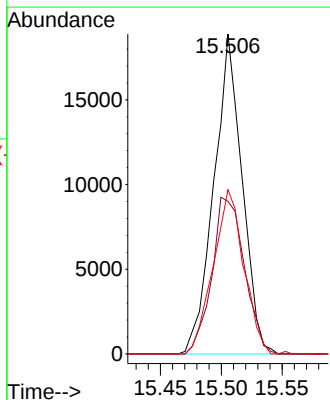
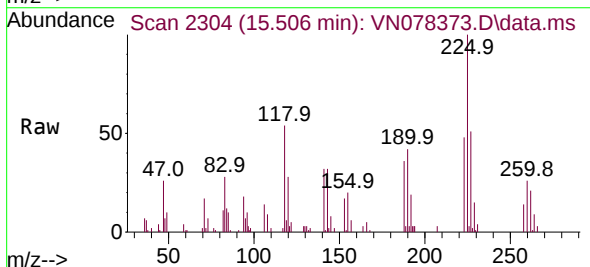
Manual Integrations
APPROVED

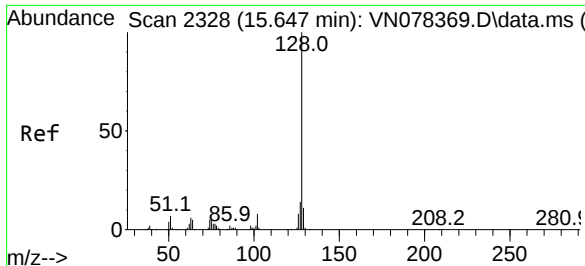
Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#90
Hexachlorobutadiene
Concen: 19.003 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

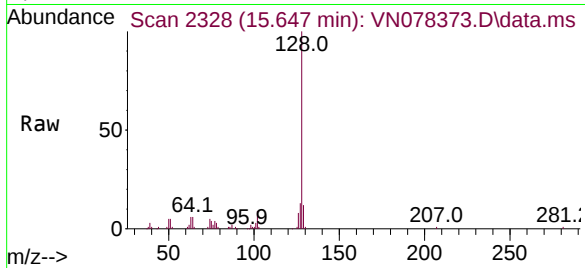
Tgt Ion:225 Resp: 30460
Ion Ratio Lower Upper
225 100
223 56.4 0.0 130.0
227 55.6 0.0 124.0





#91
Naphthalene
Concen: 17.057 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.000 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45

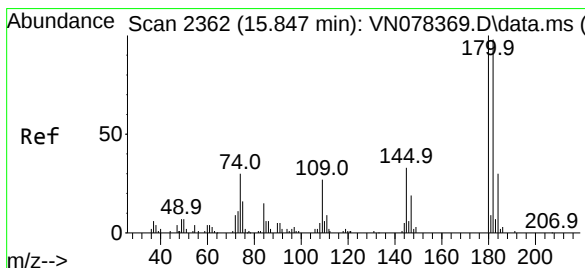
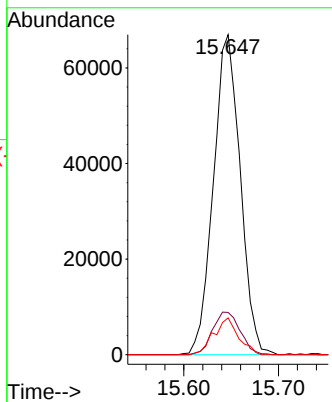
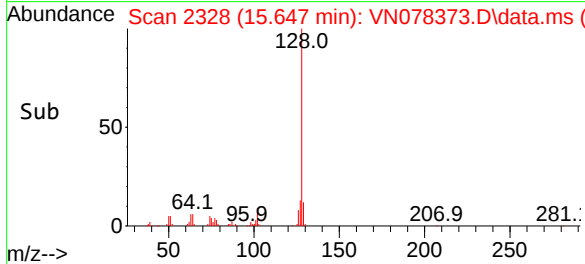
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062323



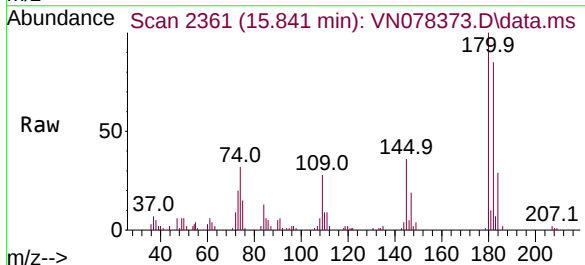
Tgt Ion:128 Resp: 131769
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.2
129 10.6 9.0 13.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/24/2023
Supervised By :Mahesh Dadoda 06/26/2023



#92
1,2,3-Trichlorobenzene
Concen: 19.220 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN078373.D
Acq: 23 Jun 2023 12:45



Tgt Ion:180 Resp: 52422
Ion Ratio Lower Upper
180 100
182 91.1 0.0 196.4
145 35.6 0.0 71.0

