

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080923\
 Data File : VN078812.D
 Acq On : 09 Aug 2023 11:19
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/10/2023
 Supervised By : Mahesh Dadoda 08/10/2023

Quant Time: Aug 10 05:21:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 05:05:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	31046	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	174472	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	151749	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	76796	30.725	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.400%			
60) 4-Bromofluorobenzene	12.853	95	66581	31.258	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 104.200%			
63) Toluene-d8	10.571	98	230553	31.004	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	45121	21.084	ug/l	93
3) Chloromethane	2.371	50	52459	20.586	ug/l	95
4) Vinyl Chloride	2.524	62	48595	20.040	ug/l #	87
5) Bromomethane	2.971	94	33919	19.229	ug/l	100
6) Chloroethane	3.136	64	31420	18.241	ug/l	90
7) Trichlorofluoromethane	3.506	101	68304	20.523	ug/l	94
8) Diethyl Ether	3.971	74	22876	19.330	ug/l	70
9) 1,1,2-Trichlorotrifluo...	4.383	101	38365	21.488	ug/l	94
10) 1,1-Dichloroethene	4.353	96	34582	20.001	ug/l	90
11) Methyl Iodide	4.600	142	45537	19.744	ug/l	92
12) Methyl Acetate	5.036	43	70938	18.877	ug/l	91
13) Acrolein	4.195	56	31836	79.984	ug/l	100
14) Acrylonitrile	5.730	53	97027m	97.986	ug/l	
15) Acetone	4.453	58	25761m	100.969	ug/l	
16) Carbon Disulfide	4.724	76	102960	20.571	ug/l	96
17) Allyl chloride	5.042	41	59151m	19.572	ug/l	
18) Methylene Chloride	5.289	84	44338	20.549	ug/l #	80
19) trans-1,2-Dichloroethene	5.789	96	37921	19.102	ug/l	95
20) Diisopropyl ether	6.677	45	142946	21.063	ug/l #	94
21) 1,1-Dichloroethane	6.577	63	80450	20.792	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	45031	20.465	ug/l	94
23) tert-Butyl Alcohol	5.524	59	33495m	91.031	ug/l	
24) Methyl tert-Butyl Ether	5.806	73	117250m	20.261	ug/l	
25) Chloroform	7.977	83	81205	21.140	ug/l	99
26) Cyclohexane	8.265	56	65602	21.526	ug/l #	87
29) 1,1-Dichloropropene	8.377	75	56577	19.960	ug/l	98
30) 2-Butanone	7.494	43	133005	95.734	ug/l	91
31) 2,2-Dichloropropane	7.500	77	61050	20.887	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	67840	20.323	ug/l	96
33) Carbon Tetrachloride	8.365	117	58003	20.133	ug/l	98
34) Benzene	8.612	78	176573	20.473	ug/l	98
35) Methacrylonitrile	7.788	41	29293	17.956	ug/l	82
36) 1,2-Dichloroethane	8.677	62	62329	20.673	ug/l	99
37) Trichloroethene	9.359	130	40107	19.325	ug/l	94
38) Methylcyclohexane	9.612	83	55221	20.577	ug/l	93
39) 1,2-Dichloropropane	9.624	63	46852	20.532	ug/l	91
40) Dibromomethane	9.712	93	30301	19.942	ug/l	100
41) Bromodichloromethane	9.894	83	62285	20.343	ug/l	98
42) Vinyl Acetate	6.618	43	438293	100.252	ug/l #	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	57644	19.987	ug/l #	83
44) Isopropyl Acetate	8.694	43	95180	18.379	ug/l	91
45) 1,4-Dioxane	9.706	88	14039	404.055	ug/l #	82
46) Methyl methacrylate	9.688	41	43335	19.761	ug/l	83
47) n-amyl Acetate	12.500	43	70862	19.572	ug/l	92
48) t-1,3-Dichloropropene	10.841	75	61367	19.850	ug/l	93
49) cis-1,3-Dichloropropene	10.318	75	71093	20.677	ug/l	93
50) 1,1,2-Trichloroethane	11.024	97	39117	18.946	ug/l	95
51) Ethyl methacrylate	10.882	69	56386	19.483	ug/l	82
52) 1,3-Dichloropropane	11.171	76	72319	20.399	ug/l	100
53) Dibromochloromethane	11.365	129	43380	20.131	ug/l	99
54) 1,2-Dibromoethane	11.476	107	40986	20.319	ug/l	100
55) 2-Chloroethyl vinyl ether	10.165	63	104289	97.713	ug/l	98
56) Bromoform	12.582	173	26207	19.427	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	287579	98.594	ug/l #	91
59) 2-Hexanone	11.200	43	196158	96.777	ug/l	90
61) Tetrachloroethene	11.106	164	38706	22.295	ug/l	89
62) Toluene	10.635	91	188080	21.052	ug/l	99
64) Chlorobenzene	11.894	112	106223	20.309	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	41882	20.784	ug/l	98
66) Ethyl Benzene	11.971	91	188454	20.311	ug/l	98
67) m/p-Xylenes	12.076	106	145772	42.847	ug/l	96
68) o-Xylene	12.406	106	70294	20.758	ug/l	99
69) Styrene	12.418	104	108662	21.000	ug/l	100
70) Isopropylbenzene	12.700	105	173495	20.742	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	57732	20.368	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	51665m	20.882	ug/l	
73) Bromobenzene	12.988	156	40089	20.053	ug/l	97
74) n-propylbenzene	13.041	91	191941	20.737	ug/l	98
75) 2-Chlorotoluene	13.129	91	118779	20.600	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	139419	20.986	ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	15030	19.354	ug/l	83
78) 4-Chlorotoluene	13.229	91	109647	20.498	ug/l	100
79) tert-butylbenzene	13.441	119	111047	20.373	ug/l	93
80) 1,2,4-Trimethylbenzene	13.488	105	128829	20.550	ug/l	95
81) sec-Butylbenzene	13.623	105	150172	20.579	ug/l	98
82) p-Isopropyltoluene	13.735	119	115329	20.177	ug/l	99
83) 1,3-Dichlorobenzene	13.741	146	62906	20.361	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	61686	20.907	ug/l	98
85) n-Butylbenzene	14.065	91	80322	19.096	ug/l	97
86) Hexachloroethane	14.335	117	25481	21.163	ug/l	95
87) 1,2-Dichlorobenzene	14.112	146	63741	20.970	ug/l	93
88) 1,2-Dibromo-3-Chloropr...	14.729	75	7351	18.259	ug/l	95
89) 1,2,4-Trichlorobenzene	15.400	180	13683	16.264	ug/l	96
90) Hexachlorobutadiene	15.506	225	11611	18.746	ug/l	98
91) Naphthalene	15.647	128	38715	14.716	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	15994	16.209	ug/l	93

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

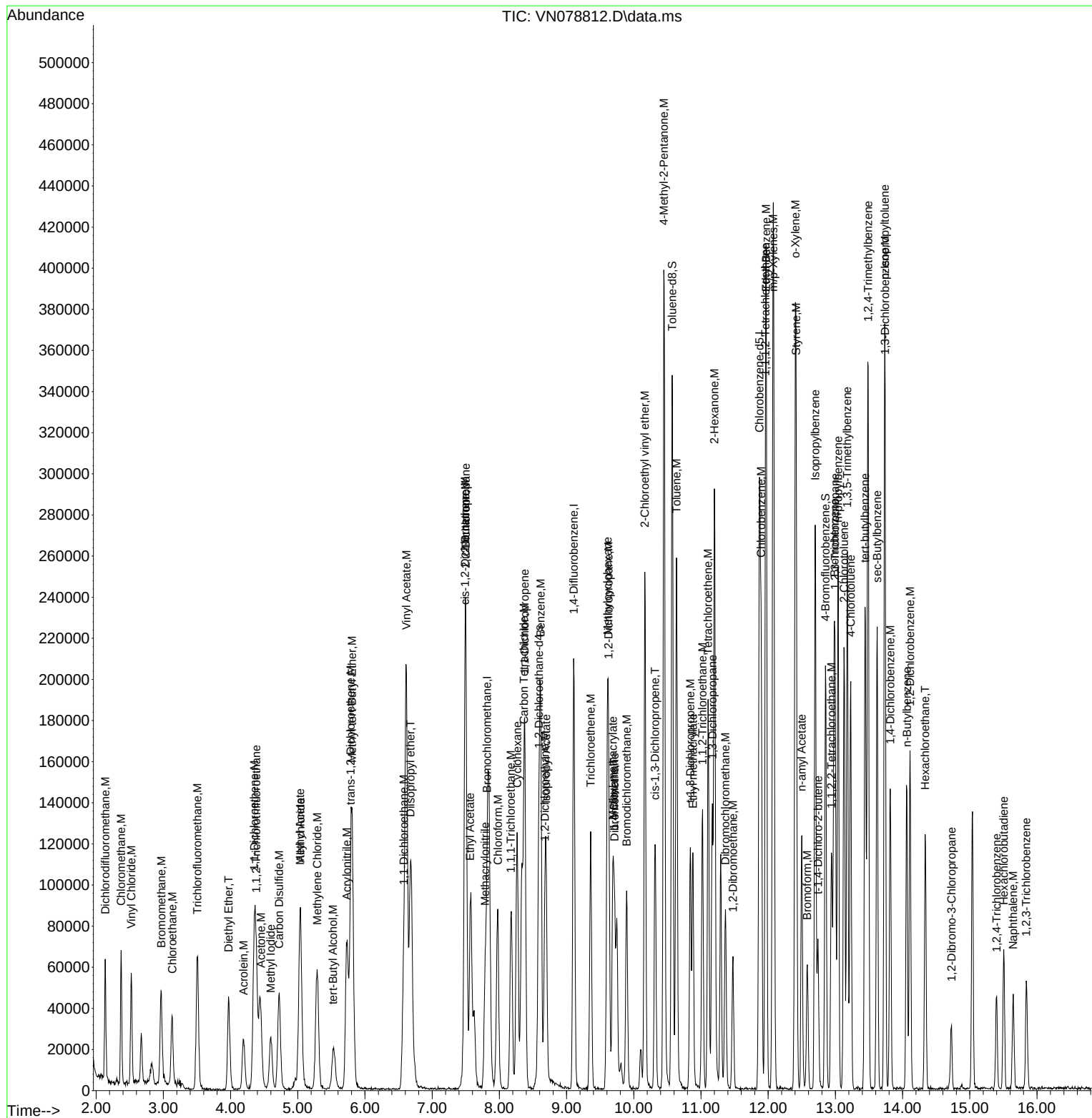
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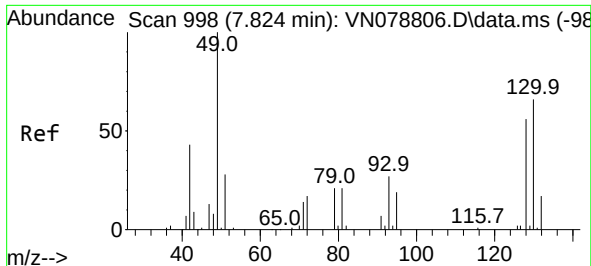
Instrument :
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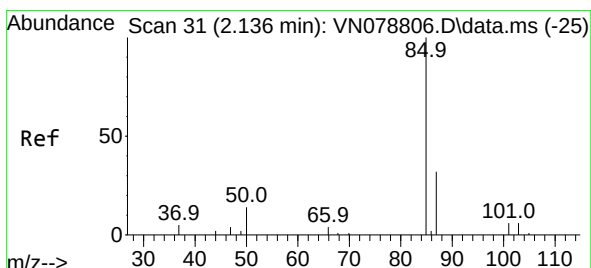
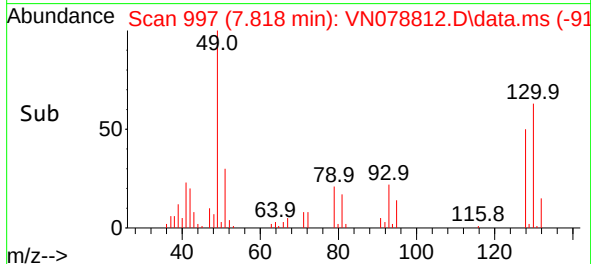
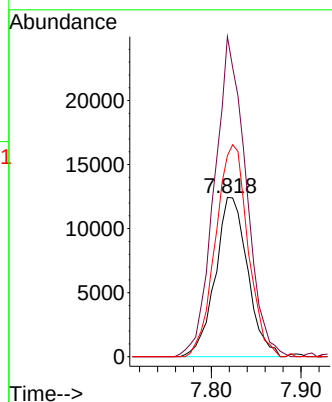
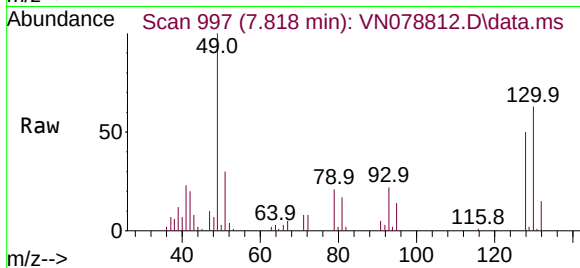
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
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VSTDCCC020

Tgt Ion:128 Resp: 31040
Ion Ratio Lower Upper
128 100
49 196.2 0.0 370.8
130 133.8 0.0 307.0

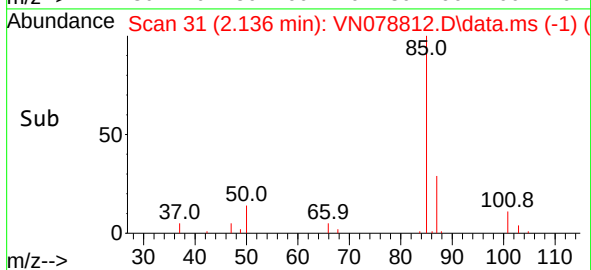
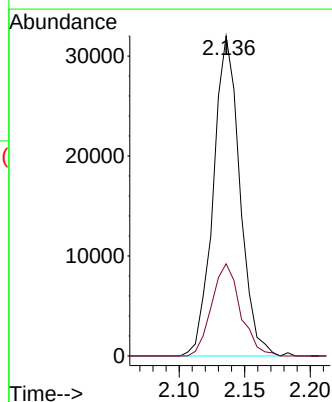
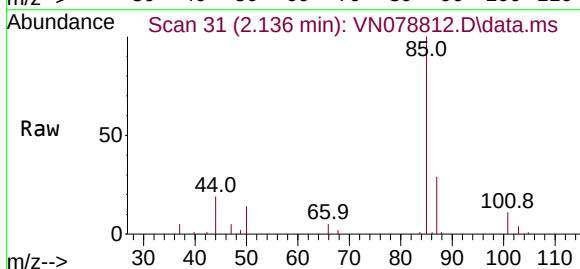
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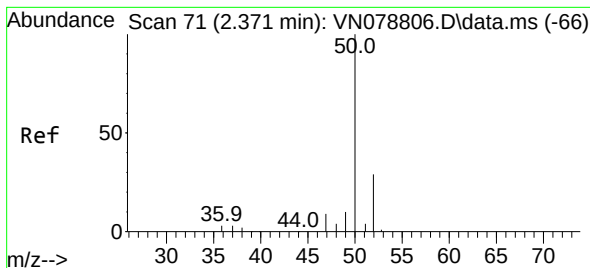
Reviewed By :John Carlone 08/10/2023
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#2
Dichlorodifluoromethane
Concen: 21.084 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Tgt Ion: 85 Resp: 45121
Ion Ratio Lower Upper
85 100
87 28.8 16.4 49.4





#3

Chloromethane

Concen: 20.586 ug/l

RT: 2.371 min Scan# 71

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 50 Resp: 5245

Ion Ratio Lower Upper

50 100

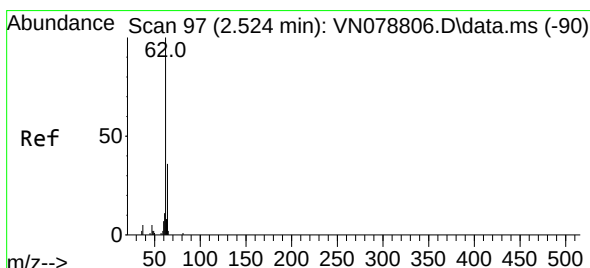
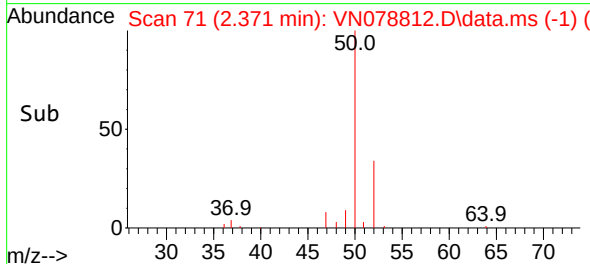
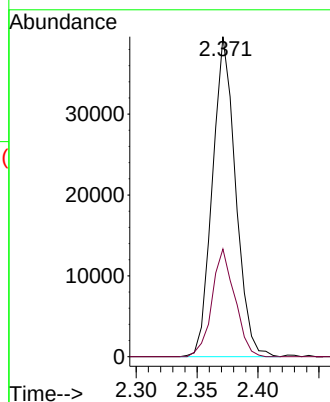
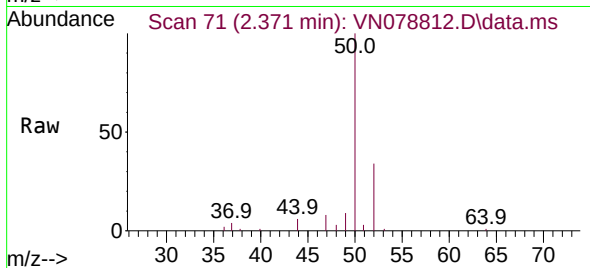
52 33.7 24.6 36.8

Manual Integrations

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Reviewed By :John Carlone 08/10/2023

Supervised By :Mahesh Dadoda 08/10/2023



#4

Vinyl Chloride

Concen: 20.040 ug/l

RT: 2.524 min Scan# 97

Delta R.T. -0.000 min

Lab File: VN078812.D

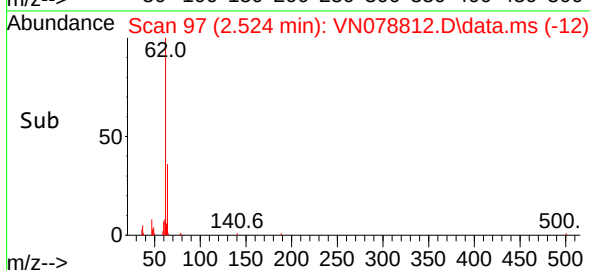
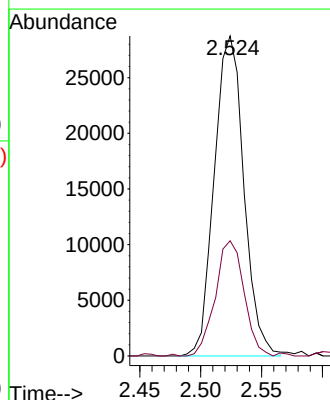
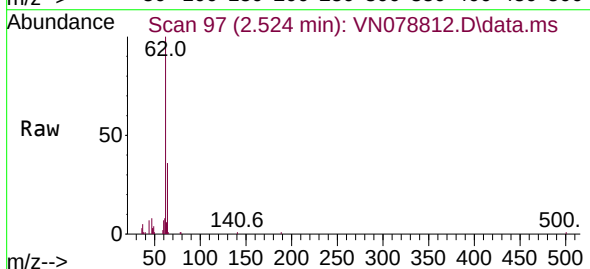
Acq: 09 Aug 2023 11:19

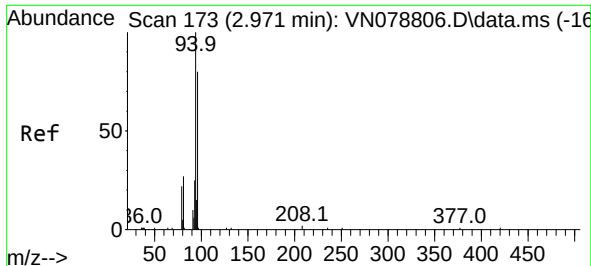
Tgt Ion: 62 Resp: 48595

Ion Ratio Lower Upper

62 100

64 36.0 23.3 34.9





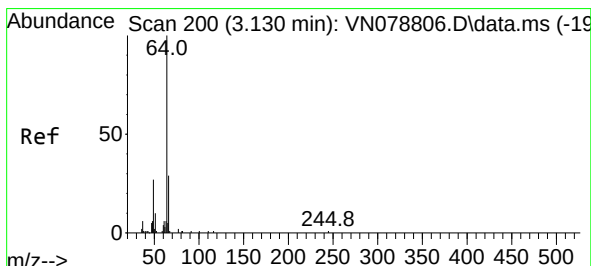
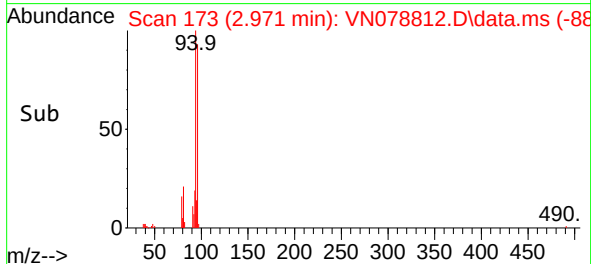
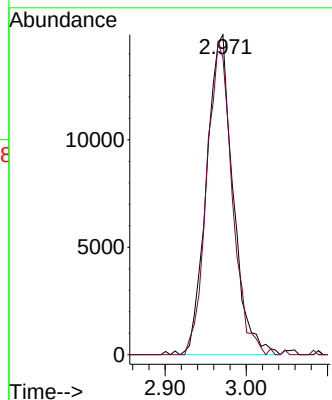
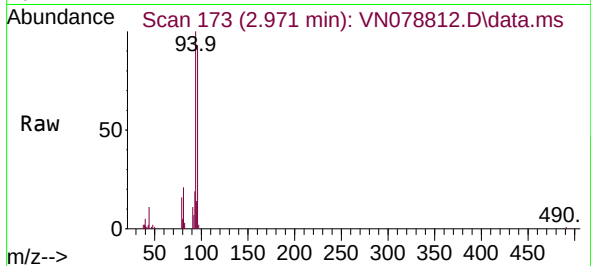
#5
Bromomethane
Concen: 19.229 ug/l
RT: 2.971 min Scan# 173
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 94 Resp: 33919
Ion Ratio Lower Upper
94 100
96 92.8 73.9 110.9

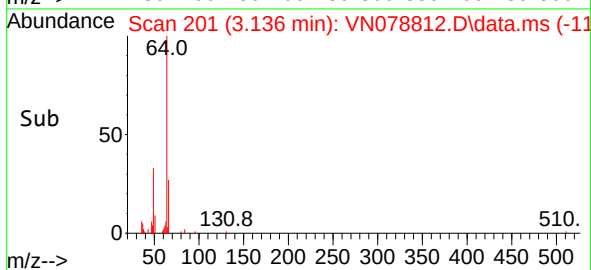
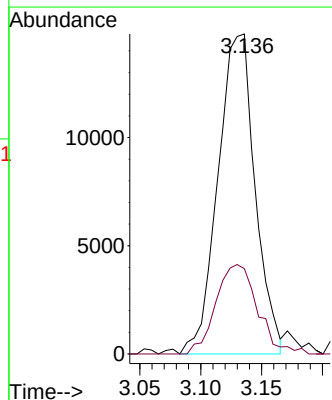
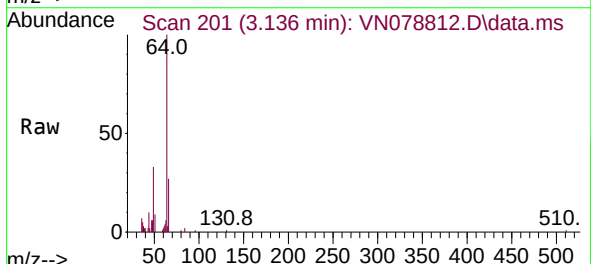
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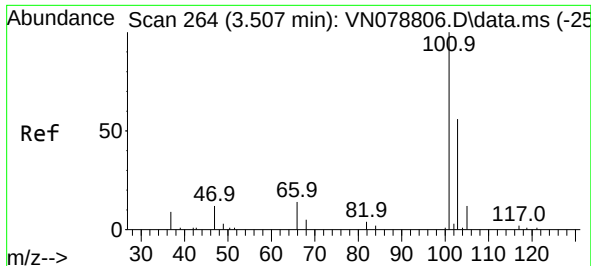
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#6
Chloroethane
Concen: 18.241 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Tgt Ion: 64 Resp: 31420
Ion Ratio Lower Upper
64 100
66 26.6 25.7 38.5





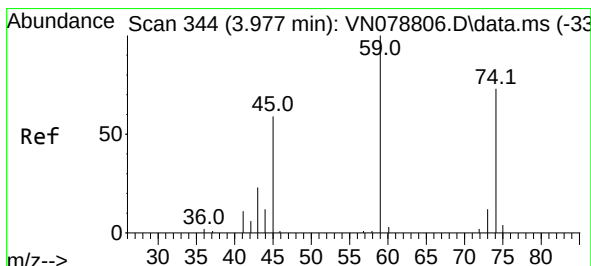
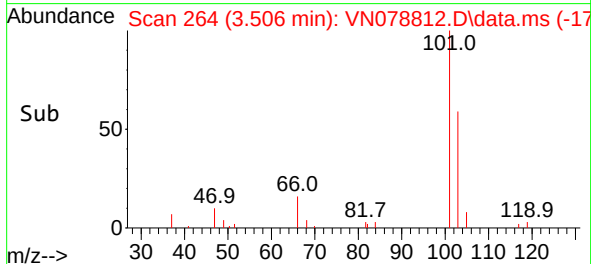
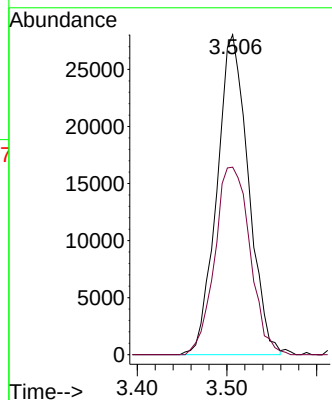
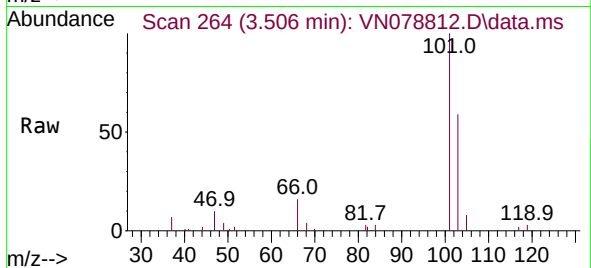
#7
Trichlorofluoromethane
Concen: 20.523 ug/l
RT: 3.506 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN078812.D
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Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 68304
Ion Ratio Lower Upper
101 100
103 58.6 50.4 75.6

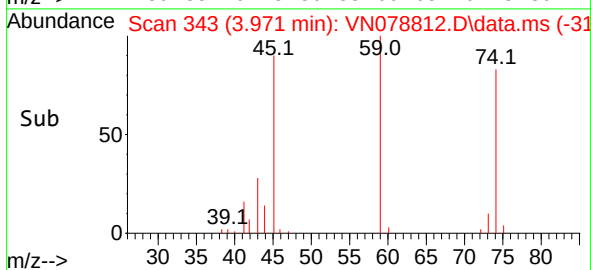
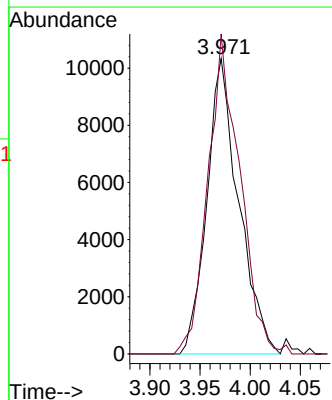
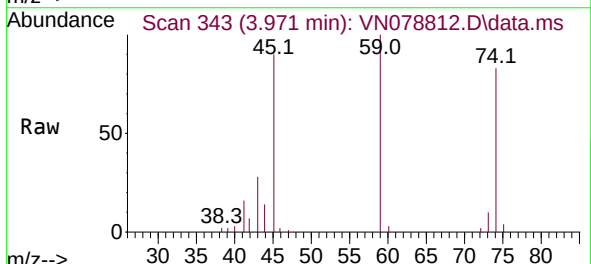
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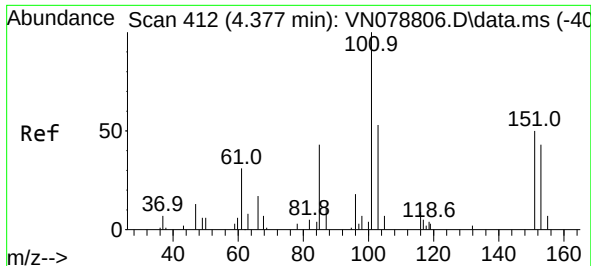
Reviewed By :John Carlone 08/10/2023
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#8
Diethyl Ether
Concen: 19.330 ug/l
RT: 3.971 min Scan# 343
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Tgt Ion: 74 Resp: 22876
Ion Ratio Lower Upper
74 100
45 108.3 16.3 146.5





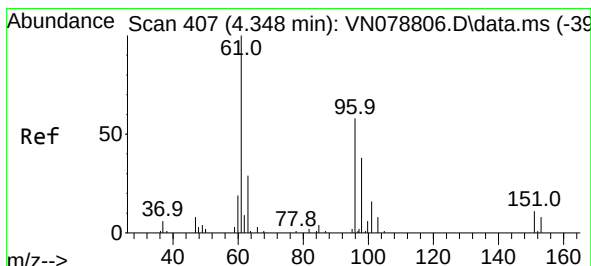
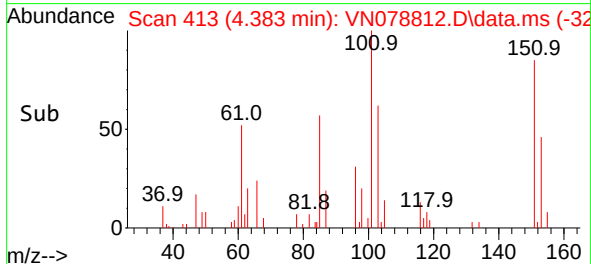
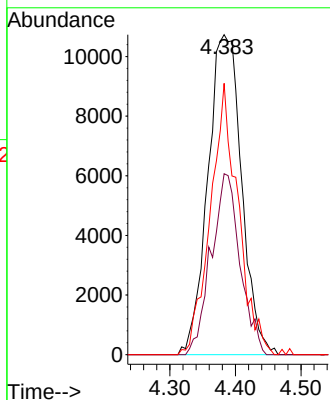
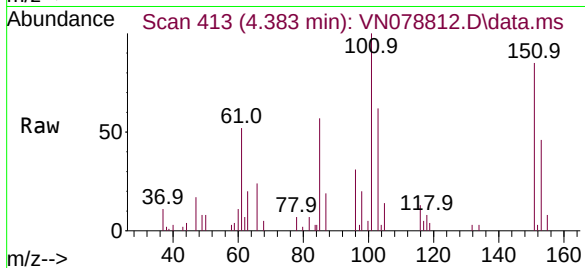
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.488 ug/l
RT: 4.383 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:101 Resp: 3836
Ion Ratio Lower Upper
101 100
85 48.4 0.0 89.2
151 69.8 0.0 148.8

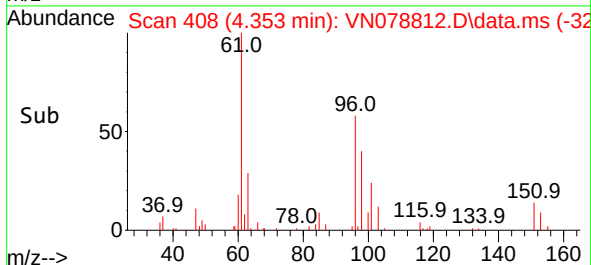
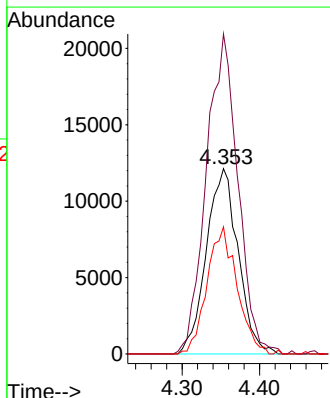
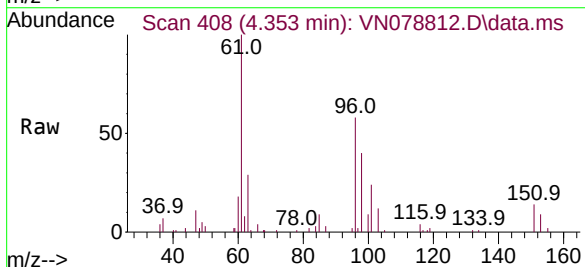
Manual Integrations
APPROVED

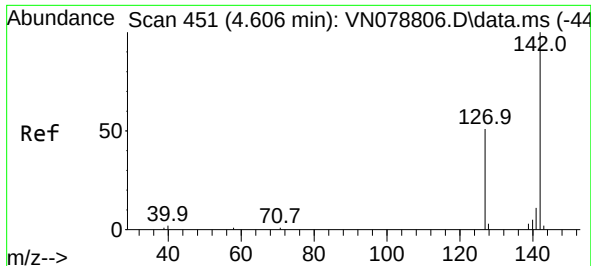
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#10
1,1-Dichloroethene
Concen: 20.001 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

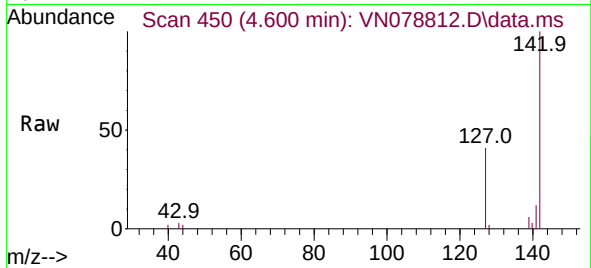
Tgt Ion: 96 Resp: 34582
Ion Ratio Lower Upper
96 100
61 171.3 123.4 185.2
98 68.6 53.7 80.5





#11
Methyl Iodide
Concen: 19.744 ug/l
RT: 4.600 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

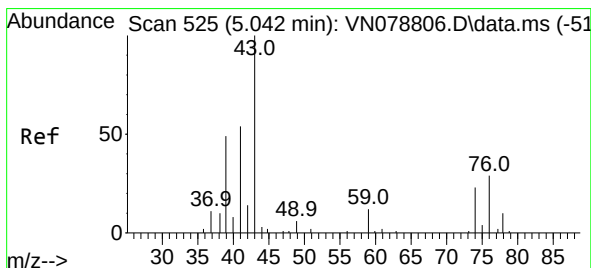
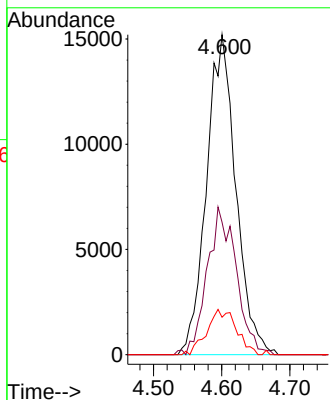
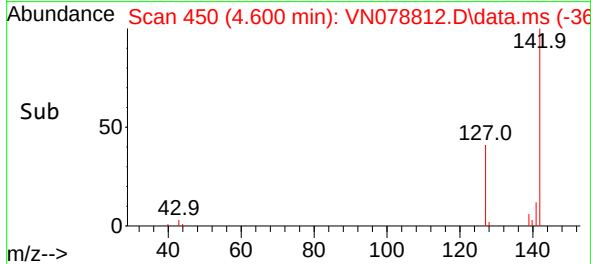
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 4553
Ion Ratio Lower Upper
142 100
127 40.8 23.2 69.5
141 11.7 7.2 21.7

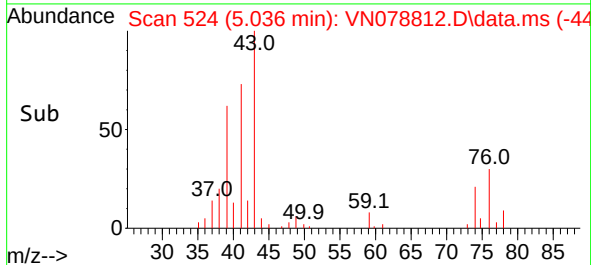
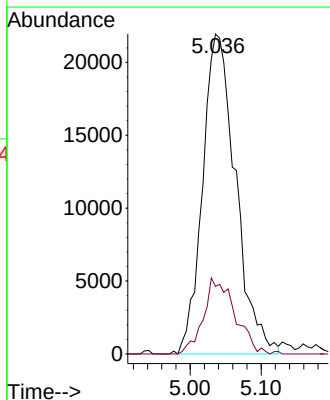
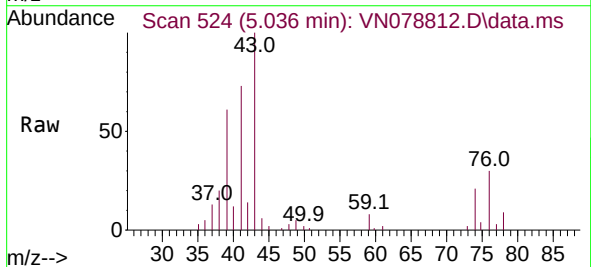
Manual Integrations
APPROVED

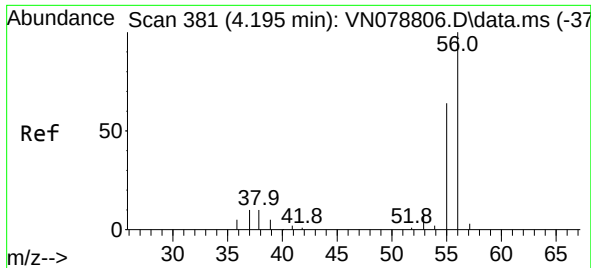
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#12
Methyl Acetate
Concen: 18.877 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

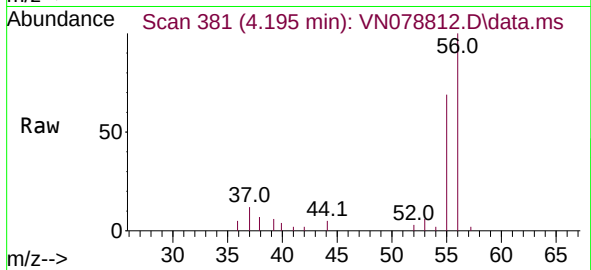
Tgt Ion: 43 Resp: 70938
Ion Ratio Lower Upper
43 100
74 21.0 20.5 30.7





#13
Acrolein
Concen: 79.984 ug/l
RT: 4.195 min Scan# 381
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

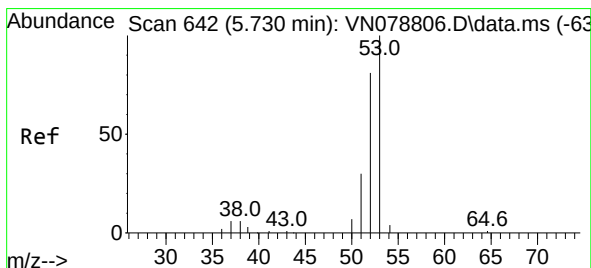
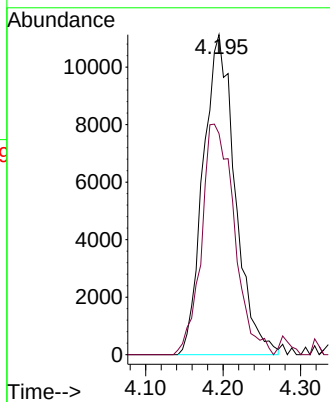
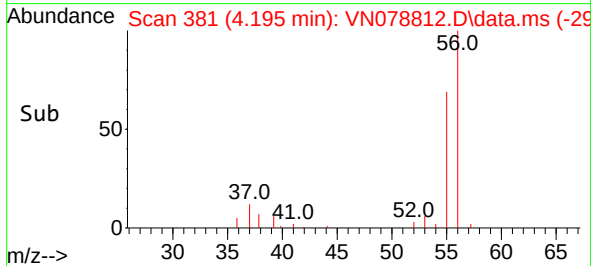
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



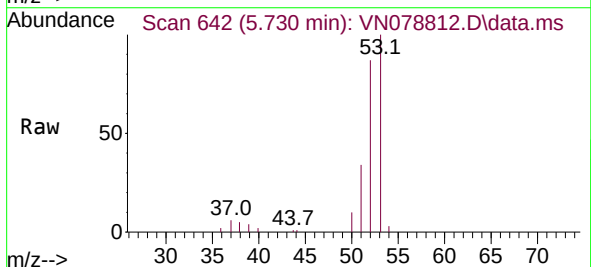
Tgt Ion: 56 Resp: 31830
Ion Ratio Lower Upper
56 100
55 73.9 59.0 88.4

Manual Integrations
APPROVED

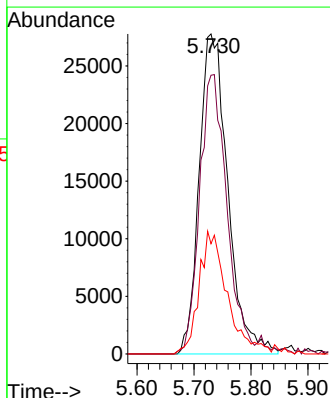
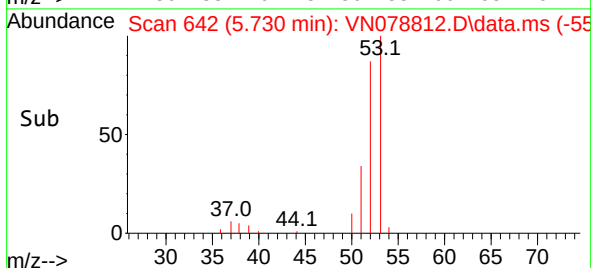
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

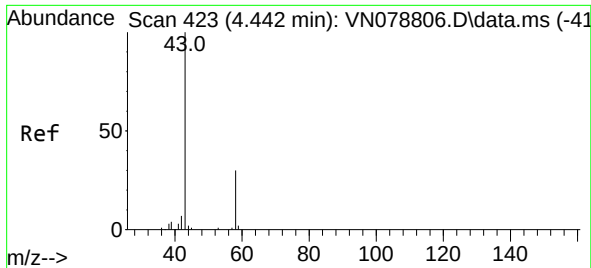


#14
Acrylonitrile
Concen: 97.986 ug/l m
RT: 5.730 min Scan# 642
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19



Tgt Ion: 53 Resp: 97027
Ion Ratio Lower Upper
53 100
52 82.7 42.3 126.9
51 36.0 18.4 55.4





#15

Acetone

Concen: 100.969 ug/l m

RT: 4.453 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 2576

Ion Ratio Lower Upper

58 100

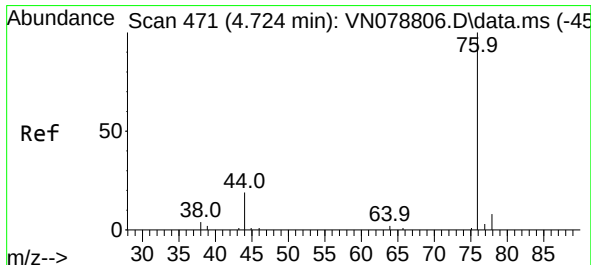
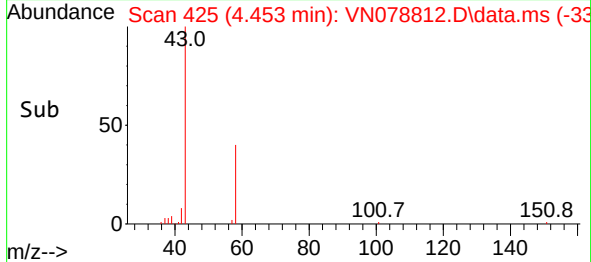
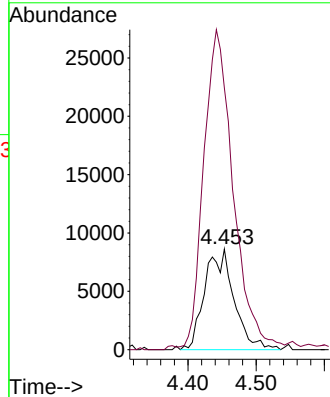
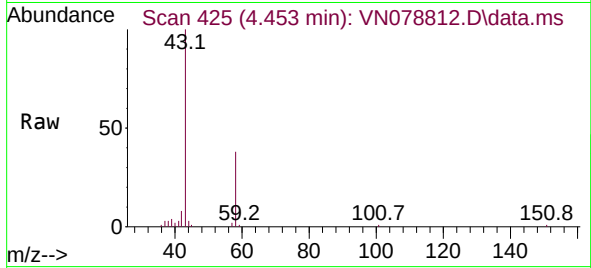
43 260.0 227.5 341.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/10/2023

Supervised By :Mahesh Dadoda 08/10/2023



#16

Carbon Disulfide

Concen: 20.571 ug/l

RT: 4.724 min Scan# 471

Delta R.T. -0.000 min

Lab File: VN078812.D

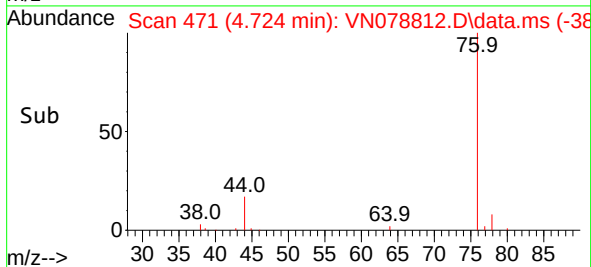
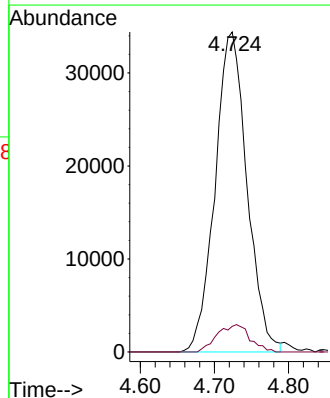
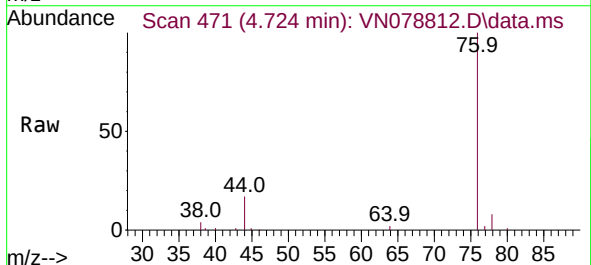
Acq: 09 Aug 2023 11:19

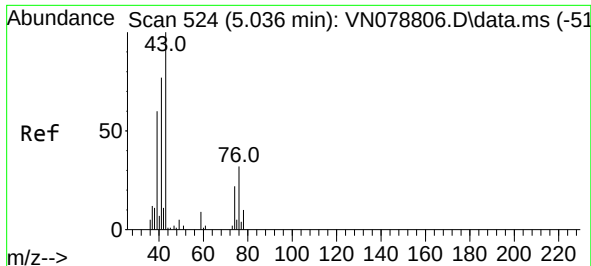
Tgt Ion: 76 Resp: 102960

Ion Ratio Lower Upper

76 100

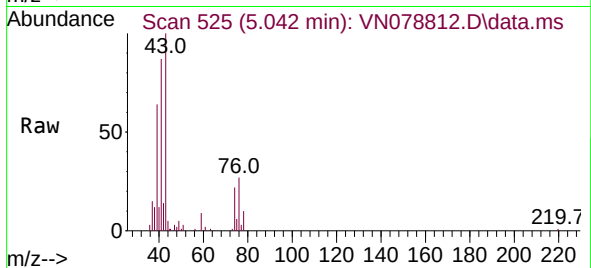
78 8.0 7.7 11.5





#17
 Allyl chloride
 Concen: 19.572 ug/l m
 RT: 5.042 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN078812.D
 Acq: 09 Aug 2023 11:19

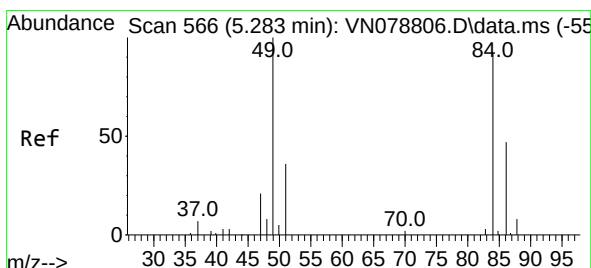
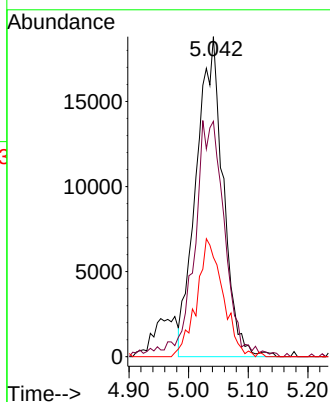
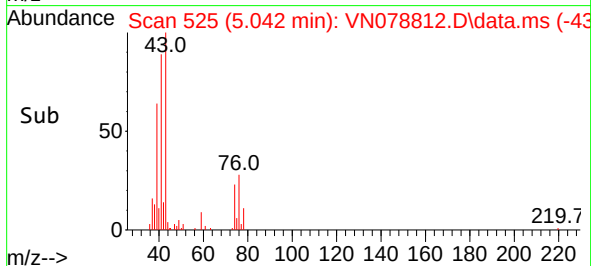
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 41 Resp: 5915
 Ion Ratio Lower Upper
 41 100
 39 73.6 37.6 112.8
 76 31.1 23.8 71.4

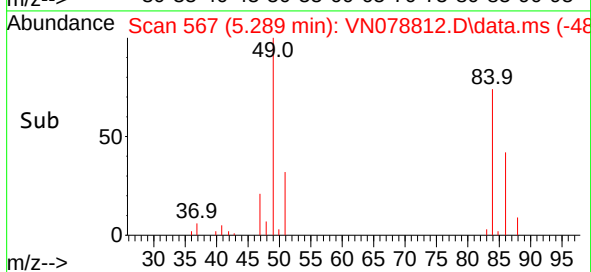
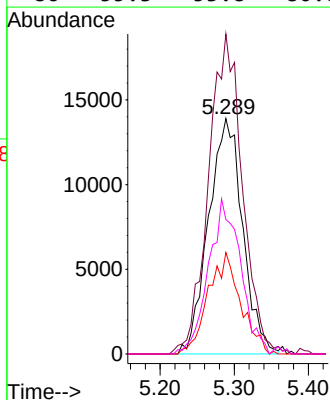
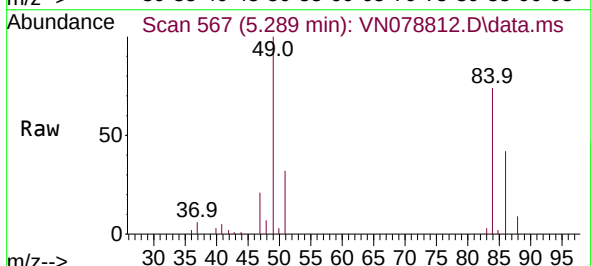
Manual Integrations
 APPROVED

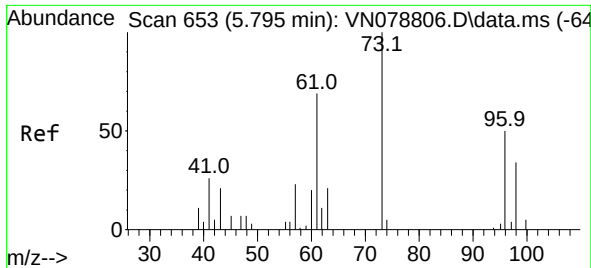
Reviewed By :John Carlone 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023



#18
 Methylene Chloride
 Concen: 20.549 ug/l
 RT: 5.289 min Scan# 567
 Delta R.T. 0.006 min
 Lab File: VN078812.D
 Acq: 09 Aug 2023 11:19

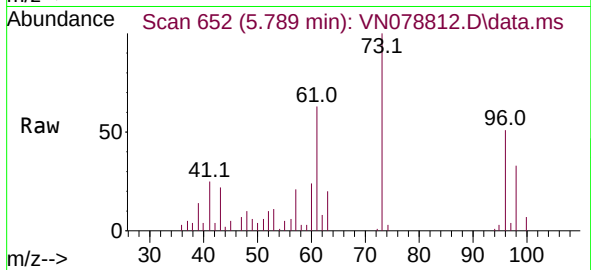
Tgt Ion: 84 Resp: 44338
 Ion Ratio Lower Upper
 84 100
 49 132.7 88.1 132.1#
 51 43.1 24.0 36.0#
 86 55.3 53.8 80.8





#19
trans-1,2-Dichloroethene
Concen: 19.102 ug/l
RT: 5.789 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

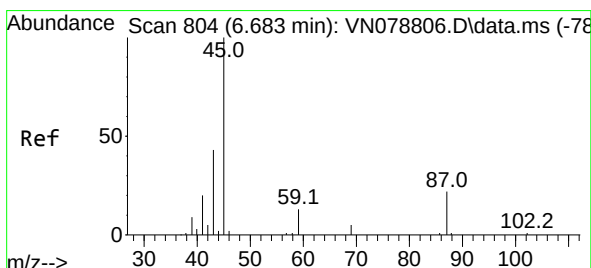
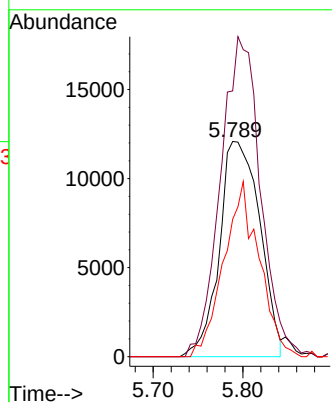
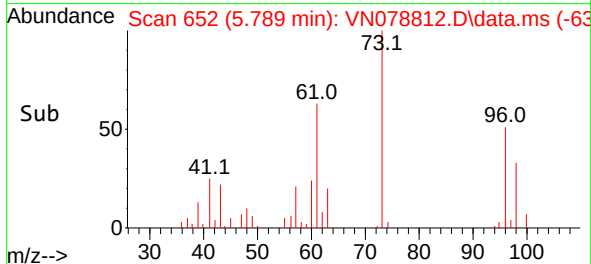
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 3792
Ion Ratio Lower Upper
96 100
61 123.5 105.2 157.8
98 63.9 50.5 75.7

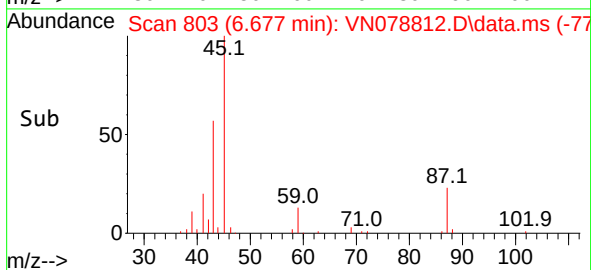
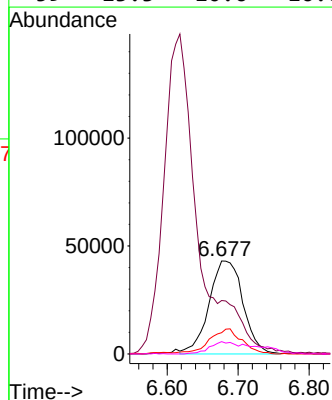
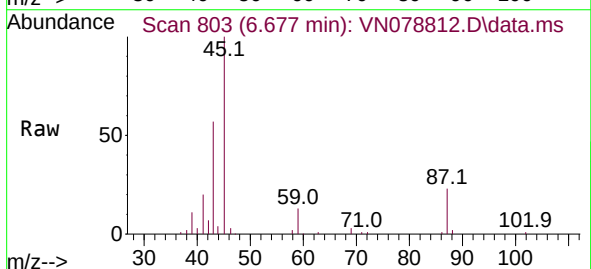
Manual Integrations
APPROVED

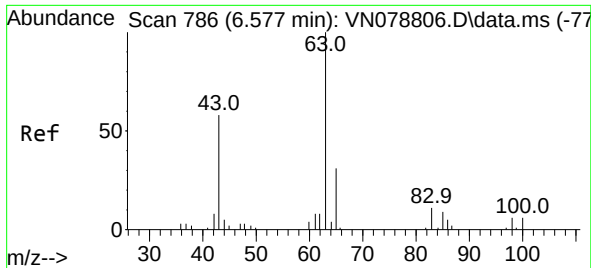
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#20
Diisopropyl ether
Concen: 21.063 ug/l
RT: 6.677 min Scan# 803
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

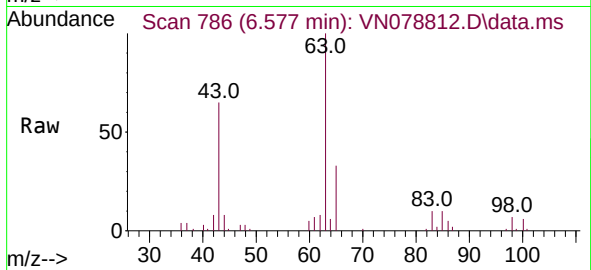
Tgt Ion: 45 Resp: 142946
Ion Ratio Lower Upper
45 100
43 53.7 43.6 65.4
87 23.0 25.8 38.6#
59 13.3 10.6 16.0





#21
1,1-Dichloroethane
Concen: 20.792 ug/l
RT: 6.577 min Scan# 786
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

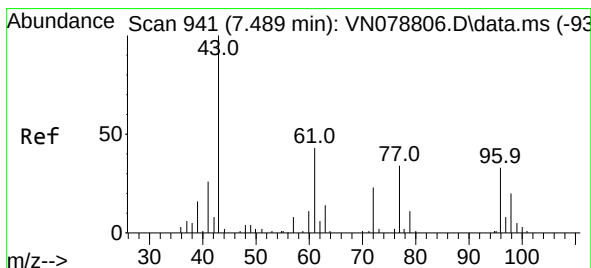
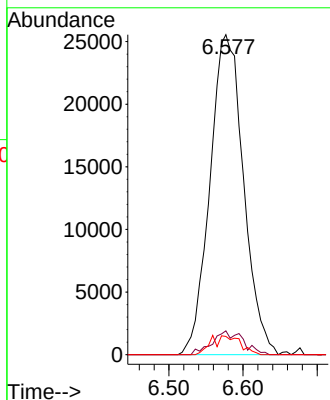
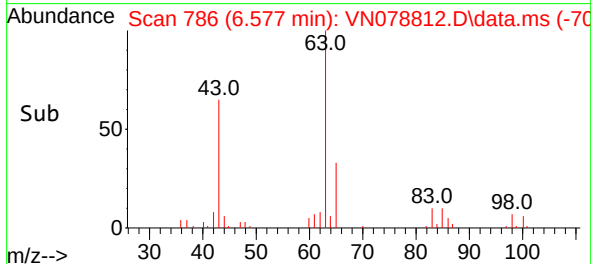
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



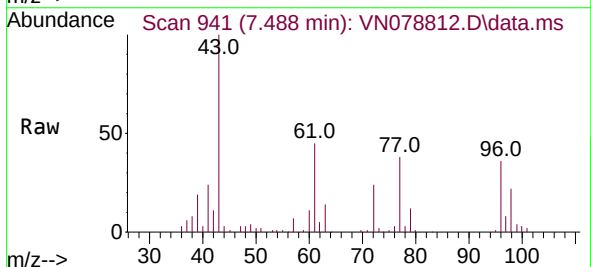
Tgt Ion: 63 Resp: 80450
Ion Ratio Lower Upper
63 100
98 7.5 2.7 8.1
100 5.7 2.5 7.4

Manual Integrations
APPROVED

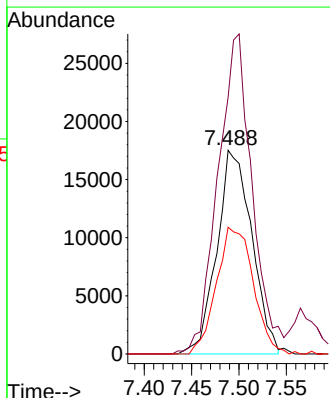
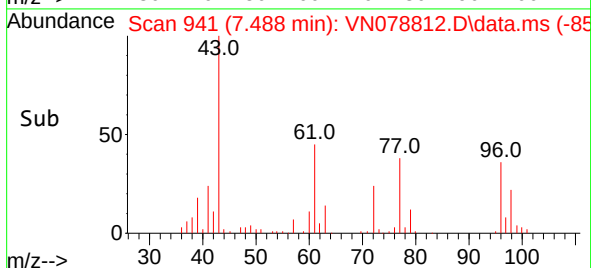
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

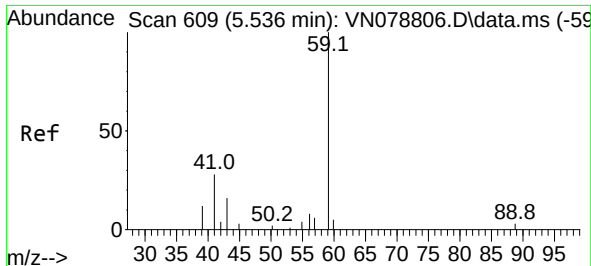


#22
cis-1,2-Dichloroethene
Concen: 20.465 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19



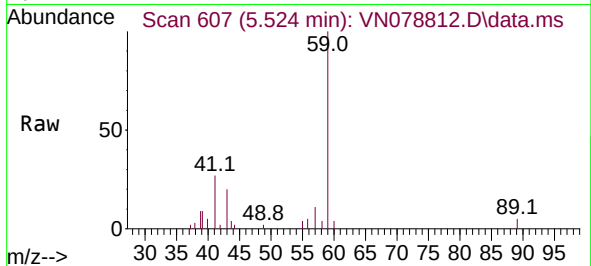
Tgt Ion: 96 Resp: 45031
Ion Ratio Lower Upper
96 100
61 153.5 113.8 170.6
98 65.3 52.2 78.4





#23
tert-Butyl Alcohol
Concen: 91.031 ug/l m
RT: 5.524 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

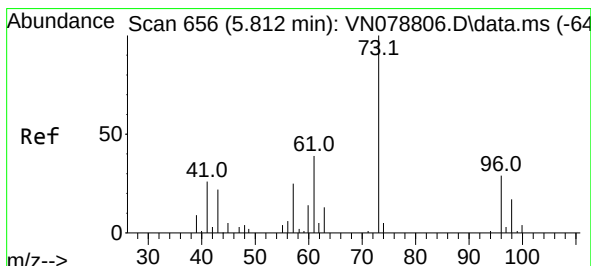
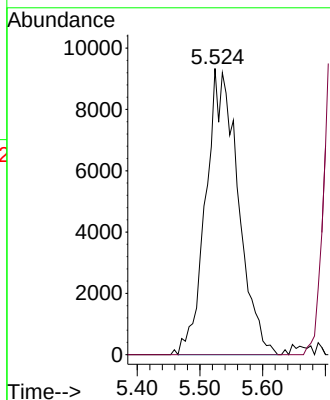
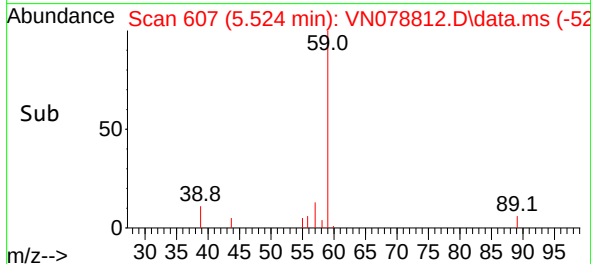
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 59 Resp: 3349
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

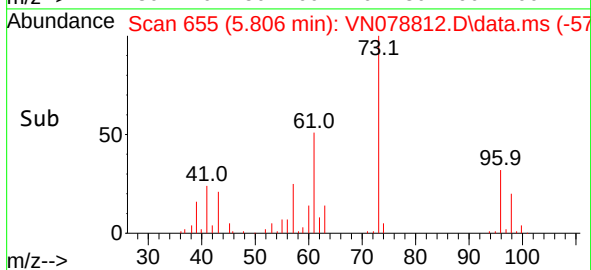
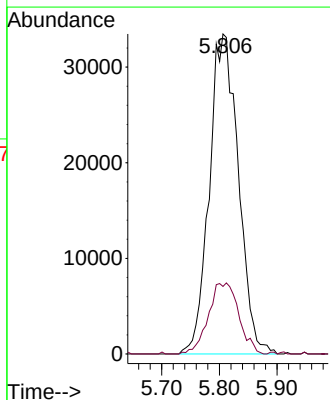
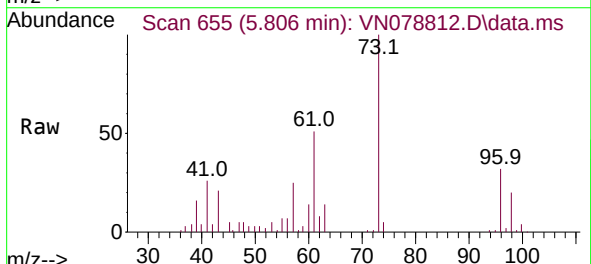
Manual Integrations
APPROVED

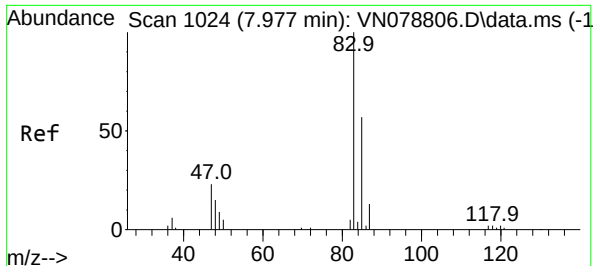
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#24
Methyl tert-Butyl Ether
Concen: 20.261 ug/l m
RT: 5.806 min Scan# 655
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Tgt Ion: 73 Resp: 117250
Ion Ratio Lower Upper
73 100
43 12.2 14.5 21.7#





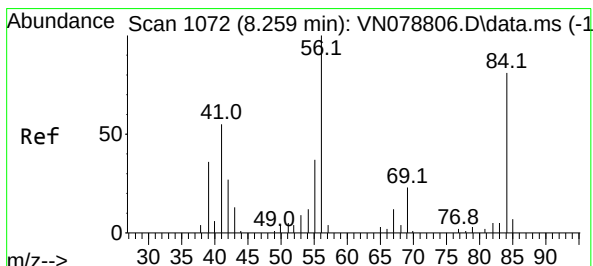
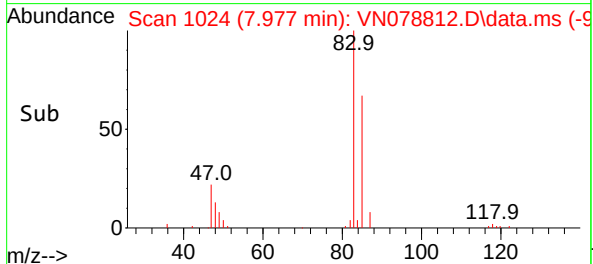
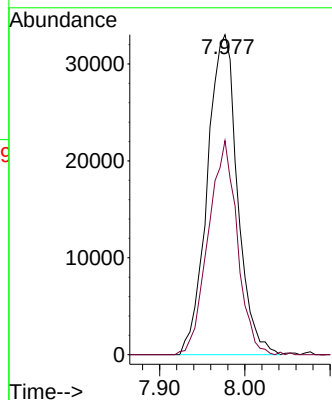
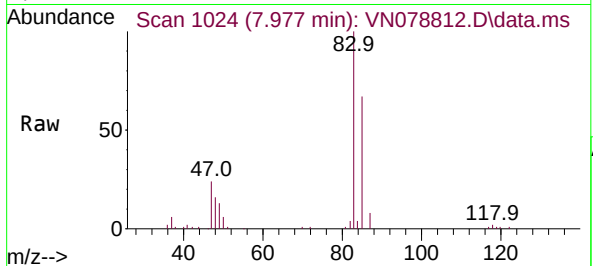
#25
Chloroform
Concen: 21.140 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 8120
Ion Ratio Lower Upper
83 100
85 66.1 53.4 80.0

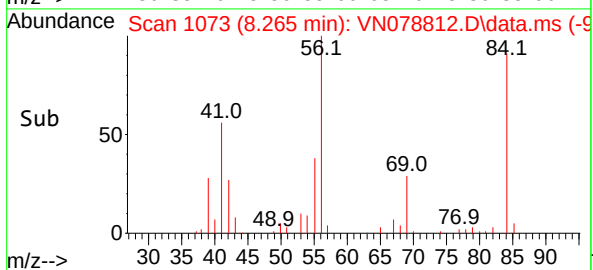
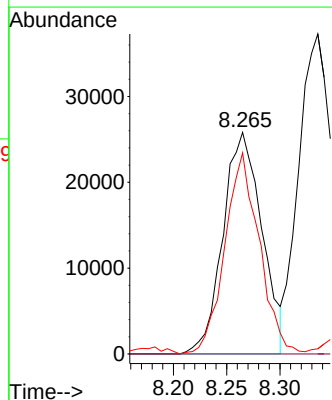
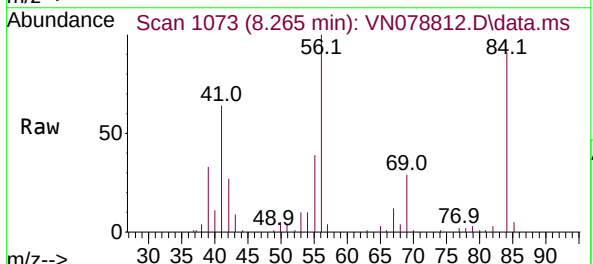
Manual Integrations
APPROVED

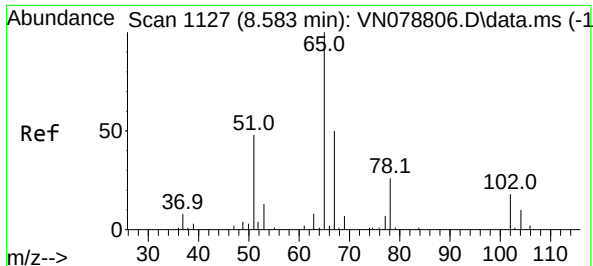
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#26
Cyclohexane
Concen: 21.526 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. 0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Tgt Ion: 56 Resp: 65602
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 80.4 74.2 111.4





#27

1,2-Dichloroethane-d4

Concen: 30.725 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 65 Resp: 76790

Ion Ratio Lower Upper

65 100

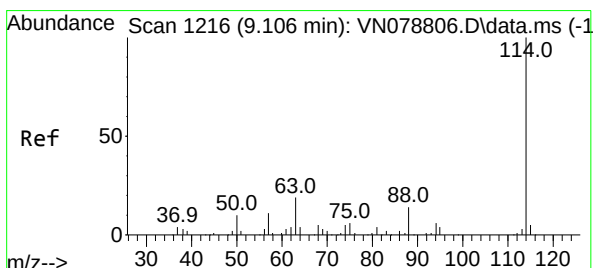
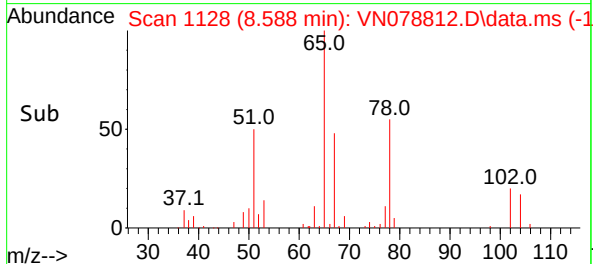
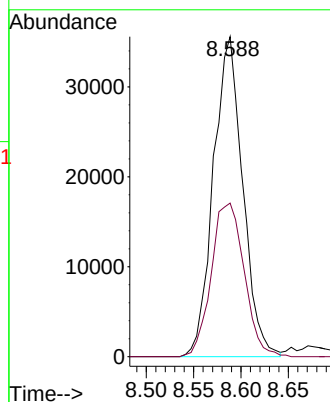
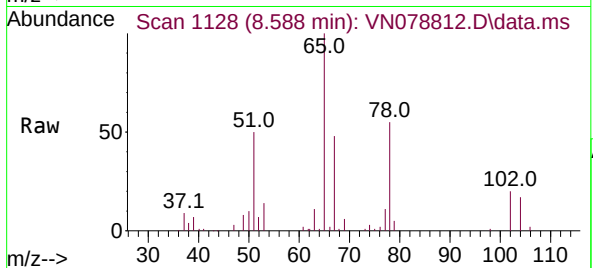
67 53.7 42.9 64.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/10/2023

Supervised By :Mahesh Dadoda 08/10/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

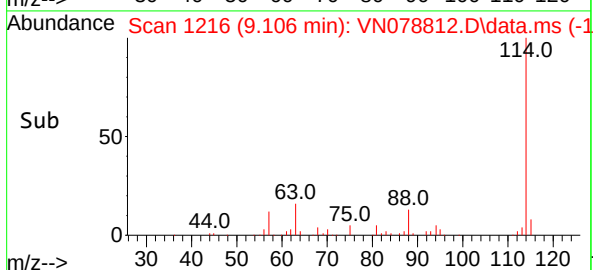
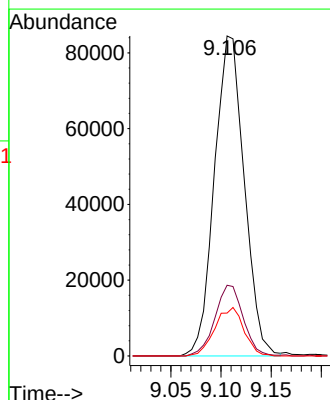
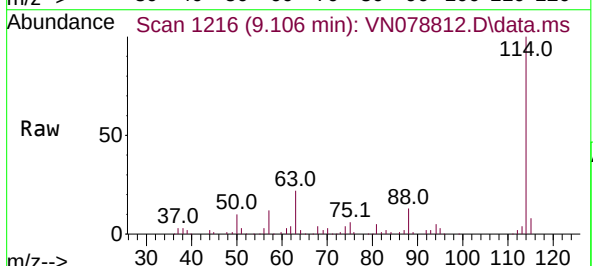
Tgt Ion:114 Resp: 174472

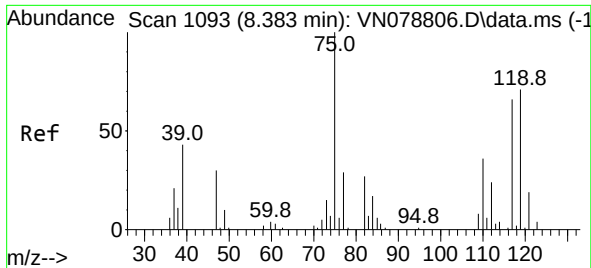
Ion Ratio Lower Upper

114 100

63 21.0 15.2 22.8

88 14.7 12.5 18.7





#29
1,1-Dichloropropene
Concen: 19.960 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

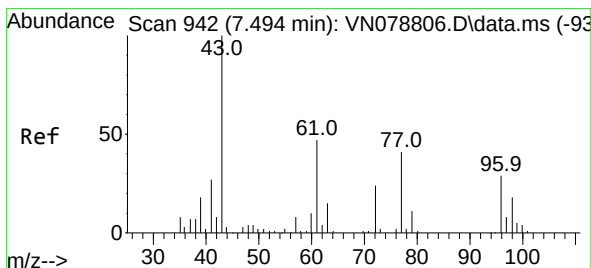
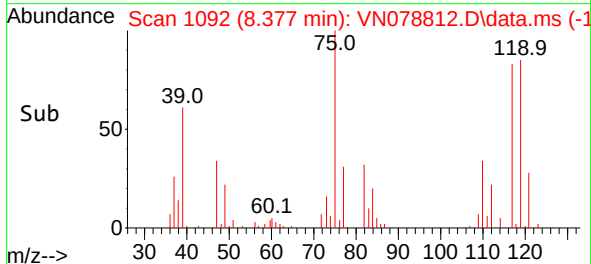
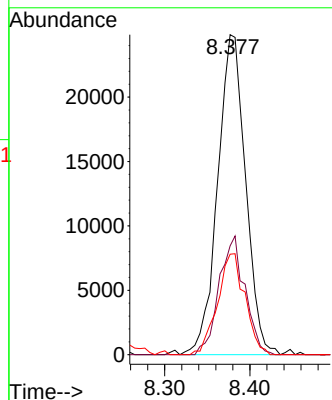
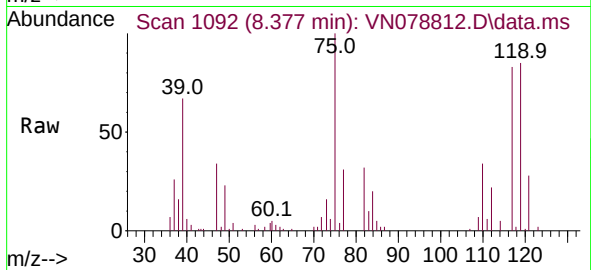
Tgt Ion: 75 Resp: 5657
Ion Ratio Lower Upper
75 100
110 34.3 0.0 72.2
77 31.0 0.0 62.8

Manual Integrations

APPROVED

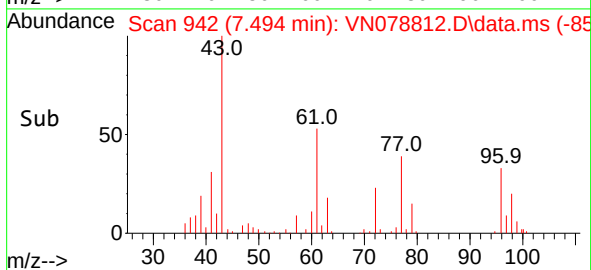
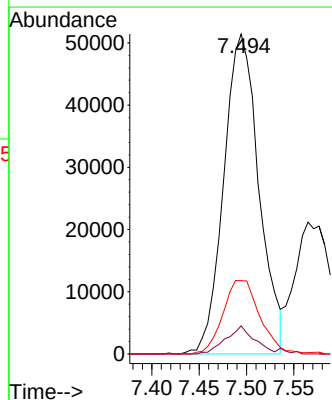
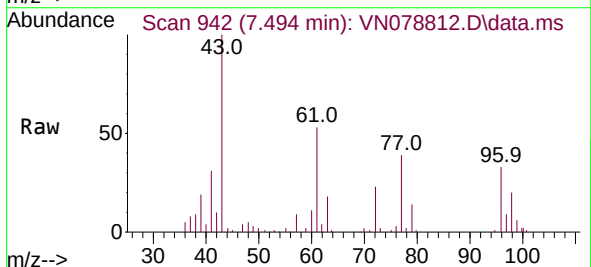
Reviewed By :John Carlone 08/10/2023

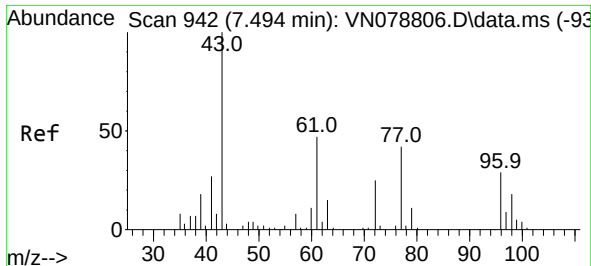
Supervised By :Mahesh Dadoda 08/10/2023



#30
2-Butanone
Concen: 95.734 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Tgt Ion: 43 Resp: 133005
Ion Ratio Lower Upper
43 100
57 7.1 6.8 10.2
72 24.1 23.8 35.6





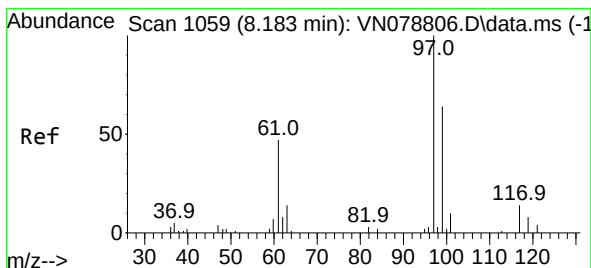
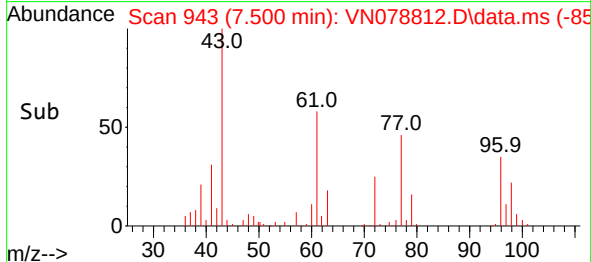
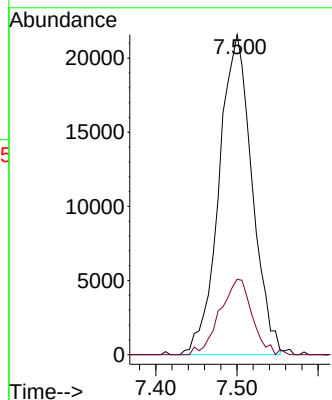
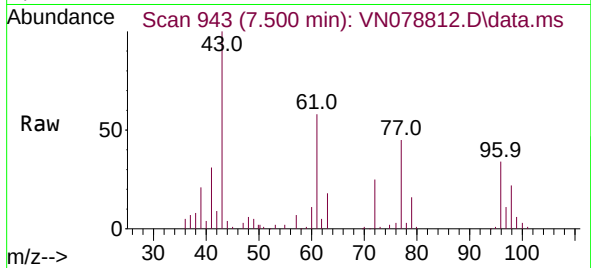
#31
2,2-Dichloropropane
Concen: 20.887 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 61050
Ion Ratio Lower Upper
77 100
97 22.3 18.8 28.2

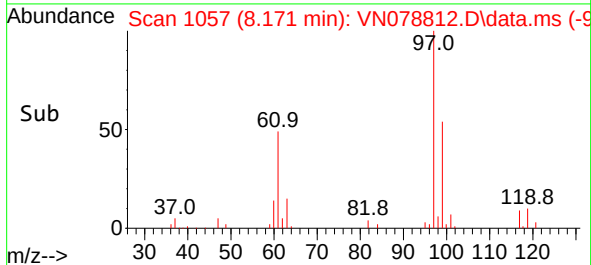
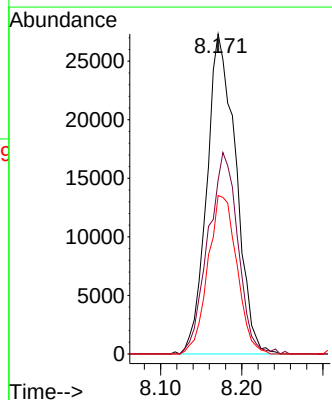
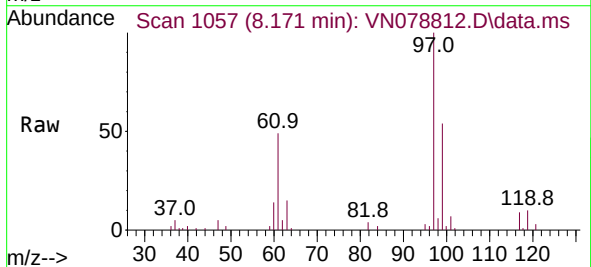
Manual Integrations
APPROVED

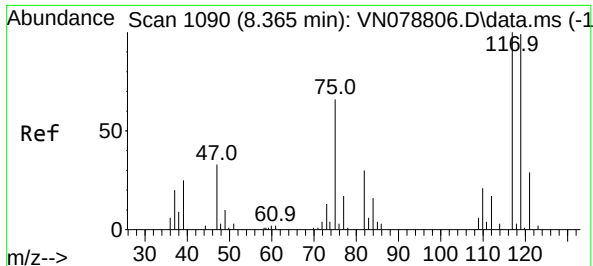
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#32
1,1,1-Trichloroethane
Concen: 20.323 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.012 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

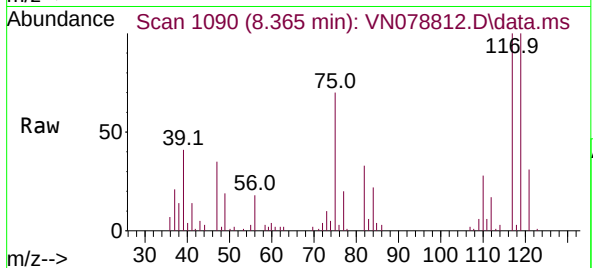
Tgt Ion: 97 Resp: 67840
Ion Ratio Lower Upper
97 100
99 64.5 51.3 76.9
61 49.4 34.6 52.0





#33
Carbon Tetrachloride
Concen: 20.133 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

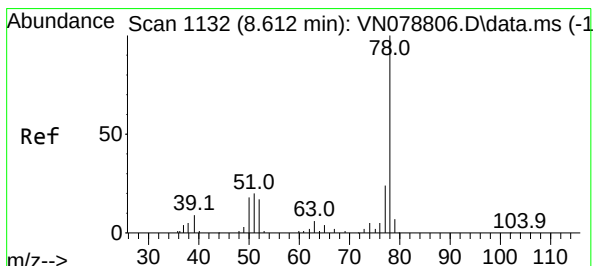
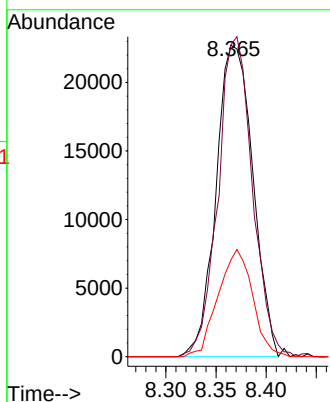
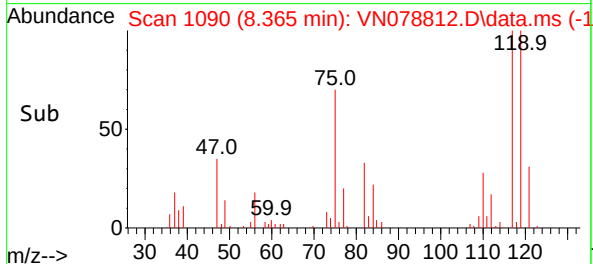
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



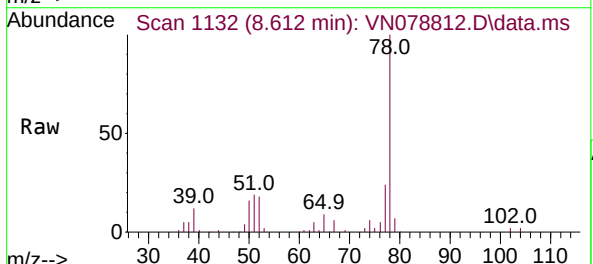
Tgt Ion:117 Resp: 5800
Ion Ratio Lower Upper
117 100
119 100.1 81.4 122.0
121 31.0 23.6 35.4

Manual Integrations
APPROVED

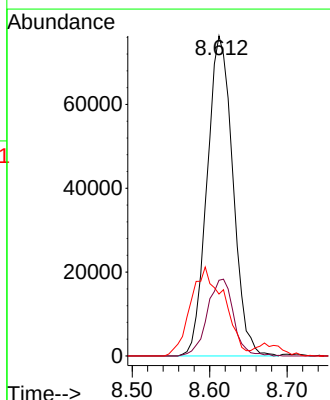
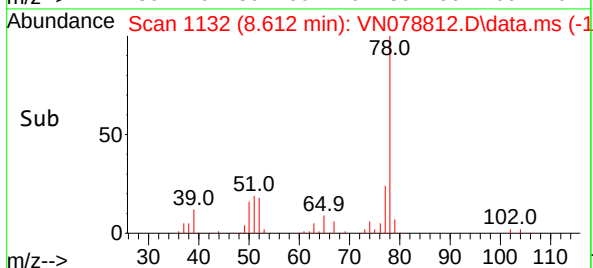
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

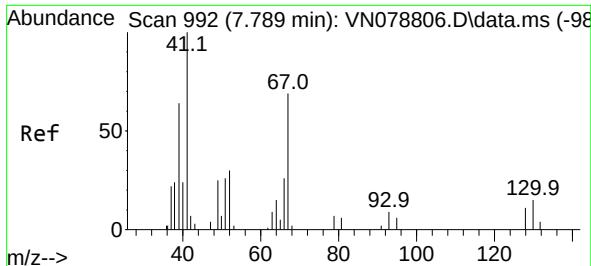


#34
Benzene
Concen: 20.473 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19



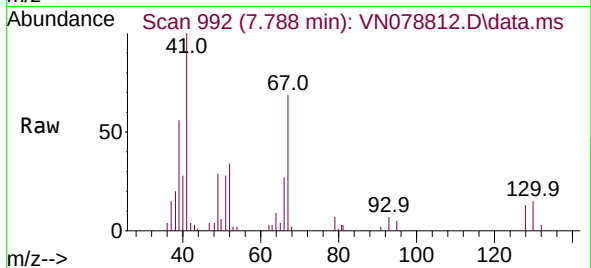
Tgt Ion: 78 Resp: 176573
Ion Ratio Lower Upper
78 100
77 23.7 18.3 27.5
51 16.2 13.7 20.5





#35
Methacrylonitrile
Concen: 17.956 ug/l
RT: 7.788 min Scan# 992
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

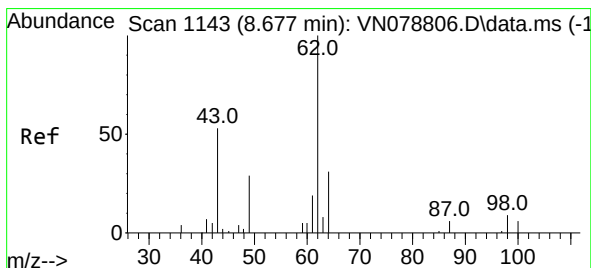
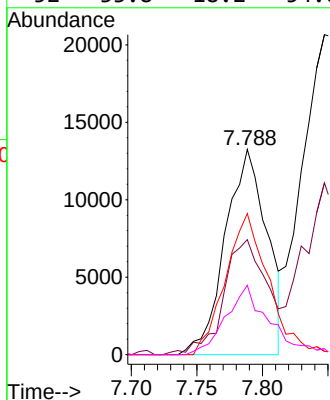
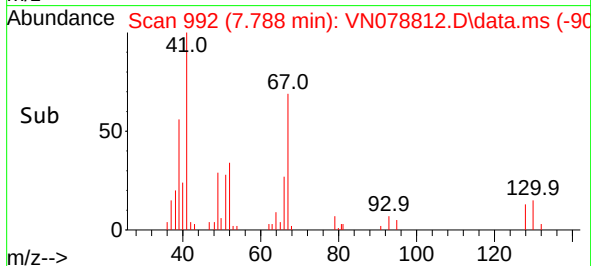
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:	41	Resp:	2929
Ion Ratio	100	Lower	Upper
39	54.1	33.9	101.6
67	68.8	45.9	137.6
52	33.8	18.2	54.6

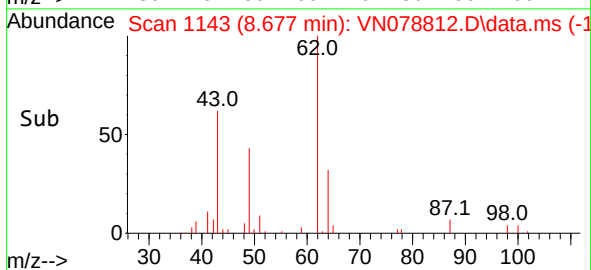
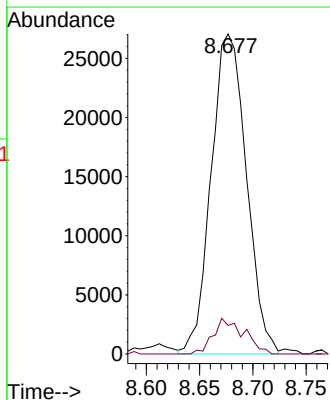
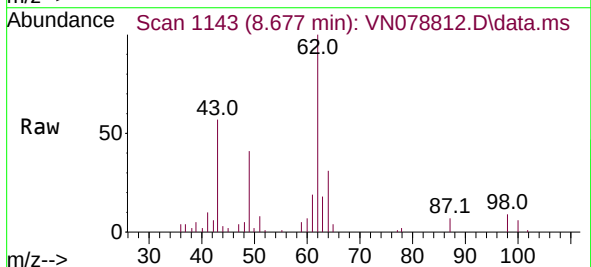
Manual Integrations
APPROVED

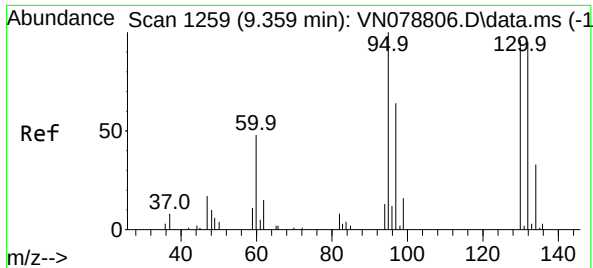
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#36
1,2-Dichloroethane
Concen: 20.673 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

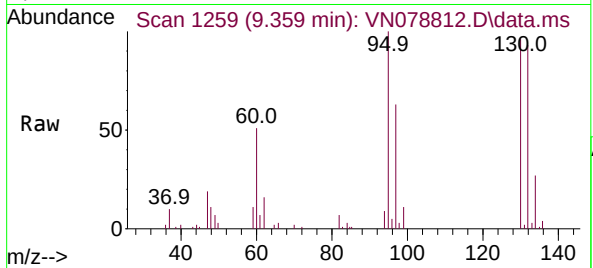
Tgt Ion:	62	Resp:	62329
Ion Ratio	100	Lower	Upper
98	9.7	7.4	11.0





#37
Trichloroethene
Concen: 19.325 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

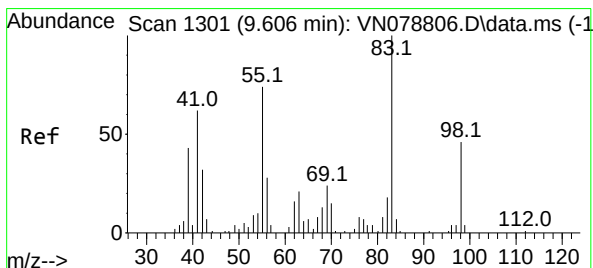
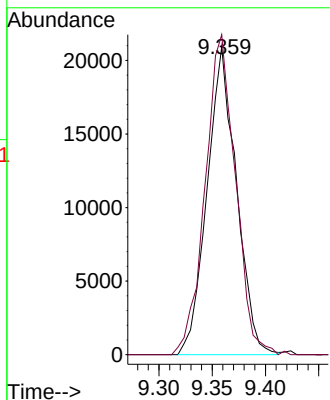
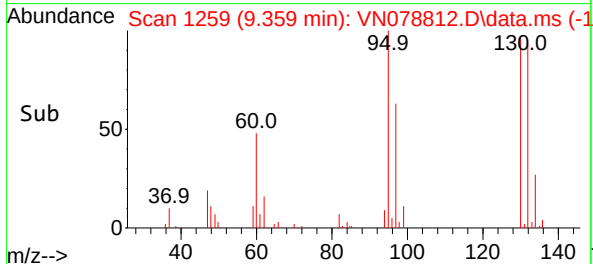
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



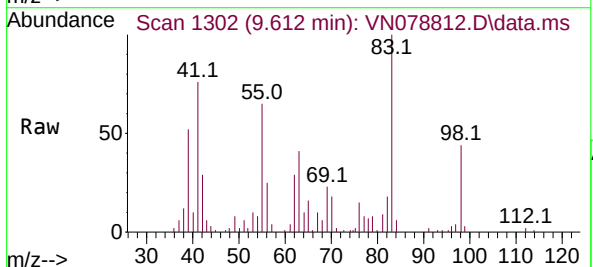
Tgt Ion:130 Resp: 4010
Ion Ratio Lower Upper
130 100
95 103.9 78.2 117.4

Manual Integrations
APPROVED

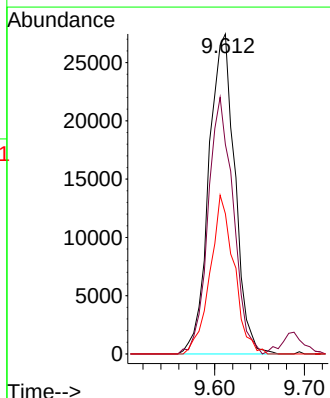
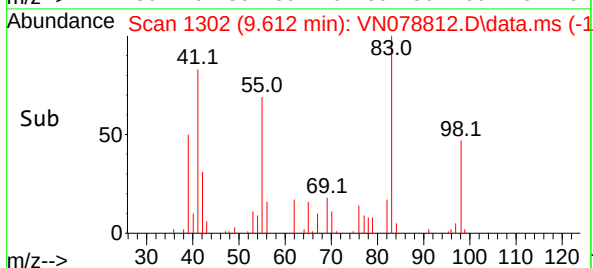
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

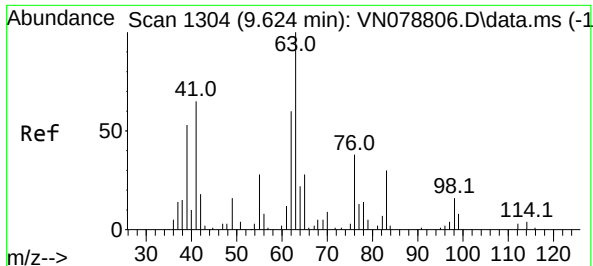


#38
Methylcyclohexane
Concen: 20.577 ug/l
RT: 9.612 min Scan# 1302
Delta R.T. 0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19



Tgt Ion: 83 Resp: 55221
Ion Ratio Lower Upper
83 100
55 77.5 34.0 102.0
98 45.8 23.0 69.0





#39

1,2-Dichloropropane

Concen: 20.532 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 4685

Ion Ratio Lower Upper

63 100

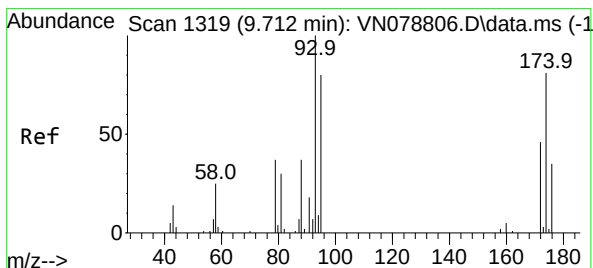
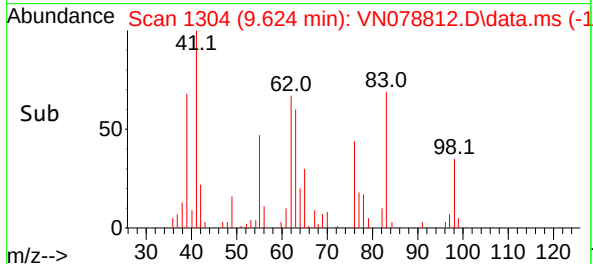
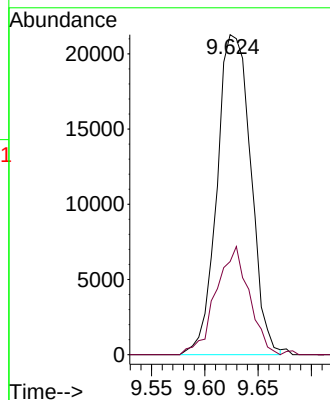
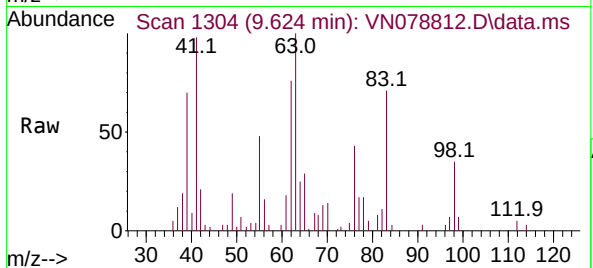
65 29.1 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/10/2023

Supervised By :Mahesh Dadoda 08/10/2023



#40

Dibromomethane

Concen: 19.942 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

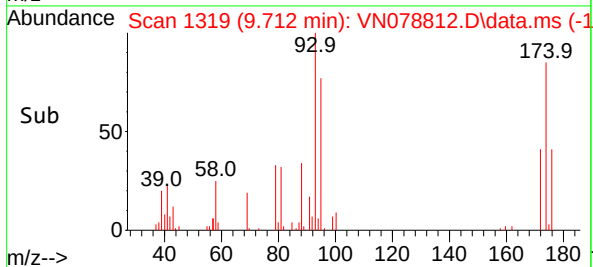
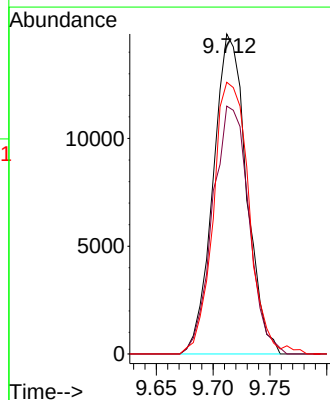
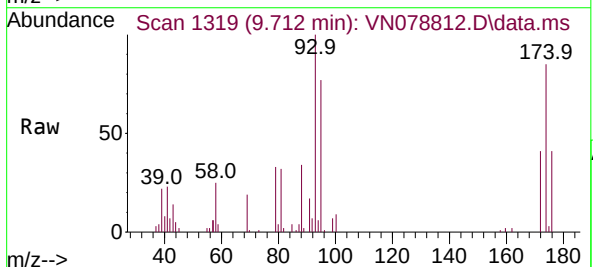
Tgt Ion: 93 Resp: 30301

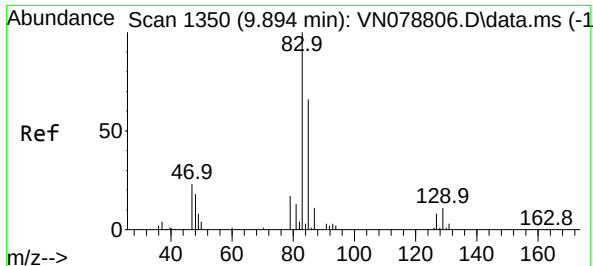
Ion Ratio Lower Upper

93 100

95 84.0 0.0 167.8

174 90.0 0.0 180.8





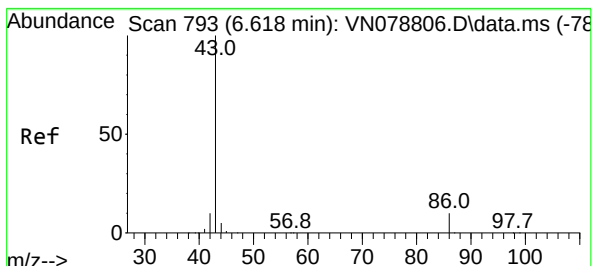
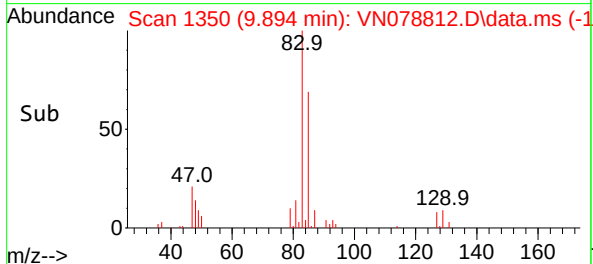
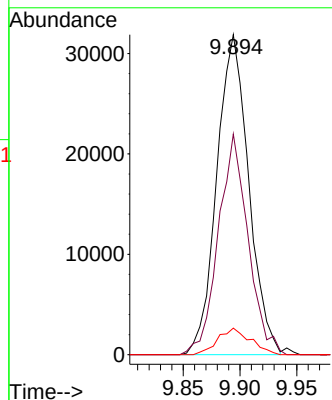
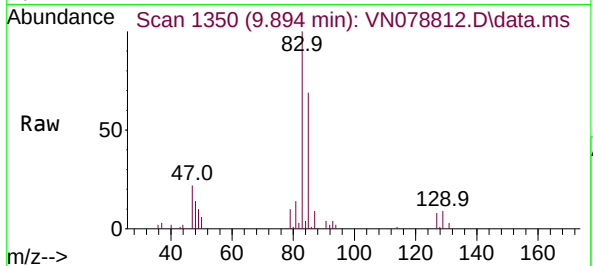
#41
Bromodichloromethane
Concen: 20.343 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 62285
Ion Ratio Lower Upper
83 100
85 69.0 54.1 81.1
127 8.3 7.8 11.6

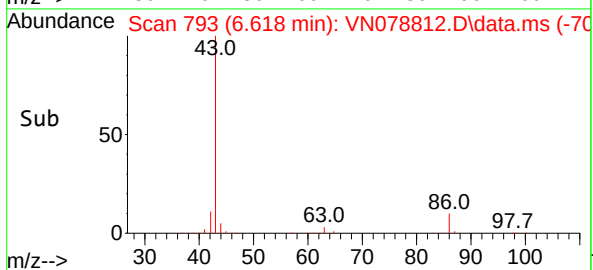
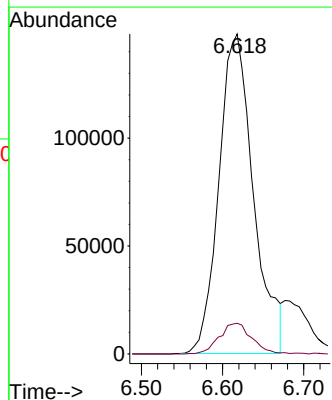
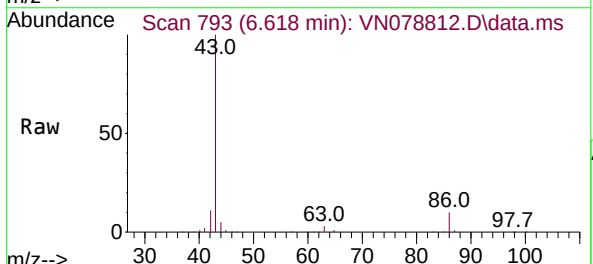
Manual Integrations
APPROVED

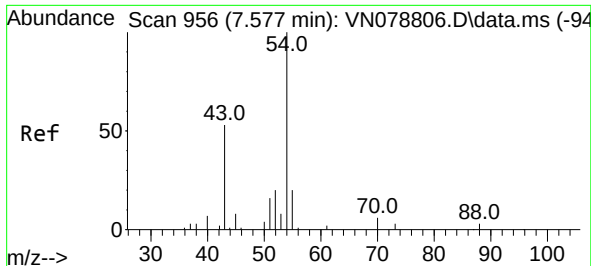
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#42
Vinyl Acetate
Concen: 100.252 ug/l
RT: 6.618 min Scan# 793
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

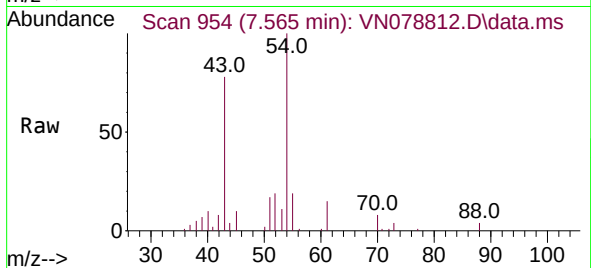
Tgt Ion: 43 Resp: 438293
Ion Ratio Lower Upper
43 100
86 9.0 9.4 14.0#





#43
Ethyl Acetate
Concen: 19.987 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

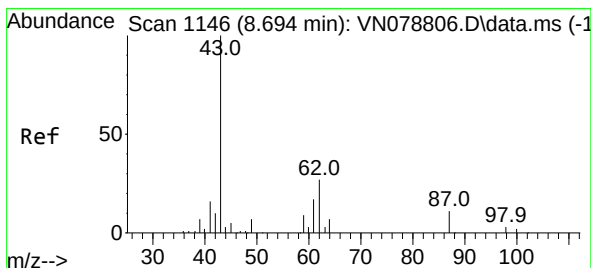
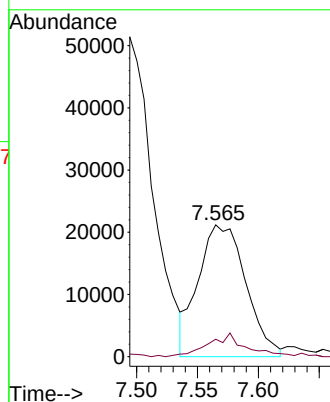
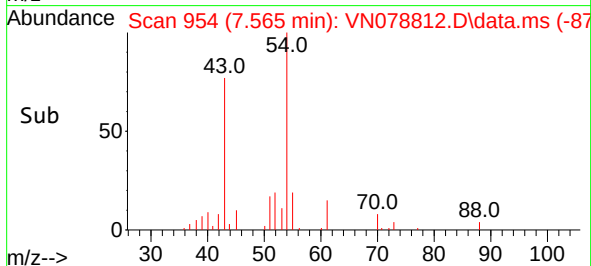
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



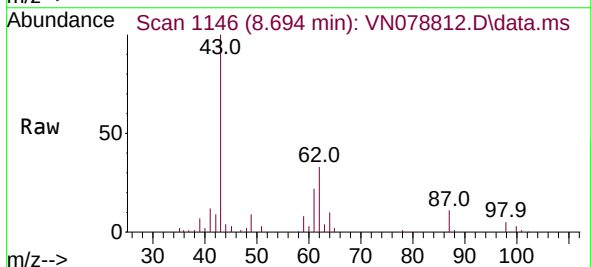
Tgt Ion: 43 Resp: 57644
Ion Ratio Lower Upper
43 100
45 6.6 10.9 16.3

Manual Integrations
APPROVED

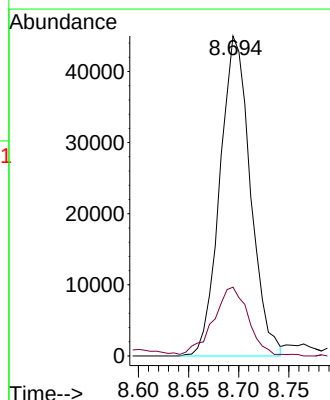
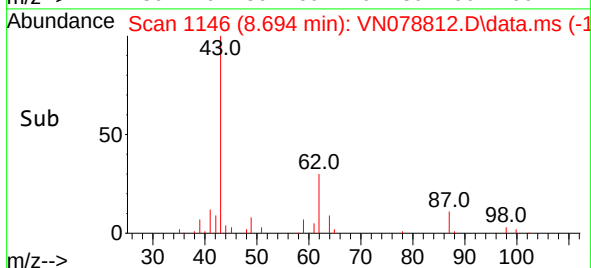
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

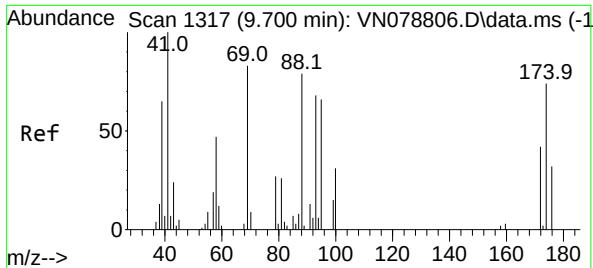


#44
Isopropyl Acetate
Concen: 18.379 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19



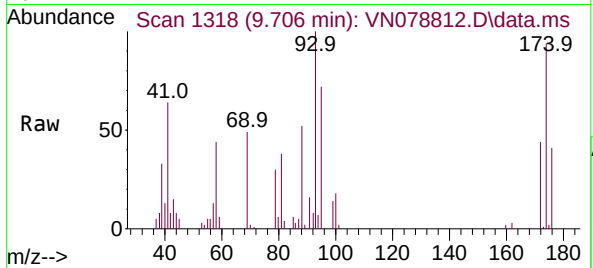
Tgt Ion: 43 Resp: 95180
Ion Ratio Lower Upper
43 100
61 23.9 23.0 34.6





#45
1,4-Dioxane
Concen: 404.055 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

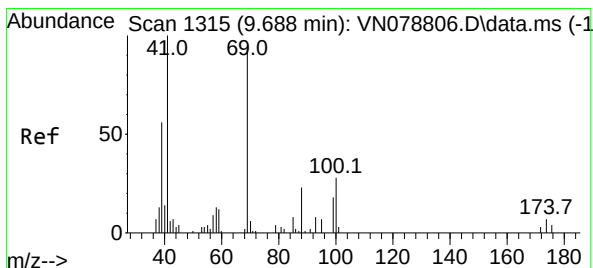
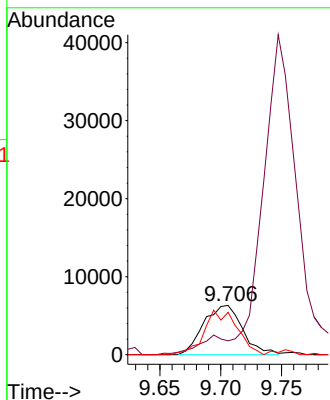
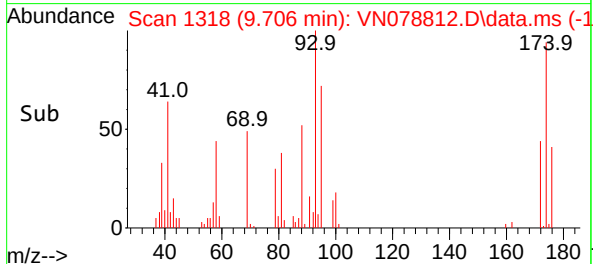
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 88 Resp: 14035
Ion Ratio Lower Upper
88 100
43 28.8 19.0 28.6
58 76.5 48.2 72.2

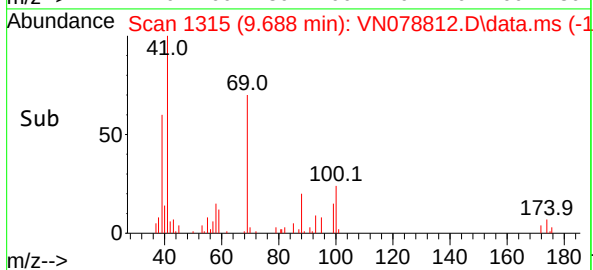
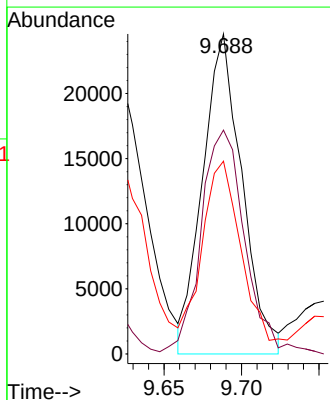
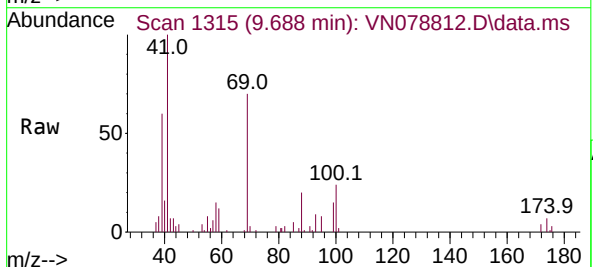
Manual Integrations
APPROVED

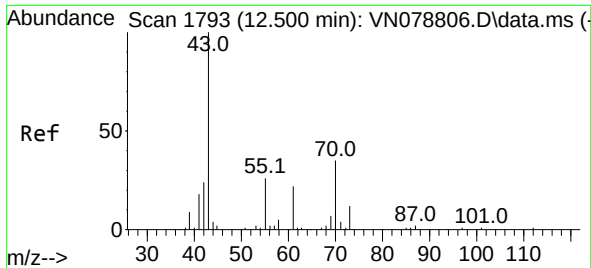
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#46
Methyl methacrylate
Concen: 19.761 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Tgt Ion: 41 Resp: 43335
Ion Ratio Lower Upper
41 100
69 72.7 49.0 147.0
39 59.4 31.6 94.8





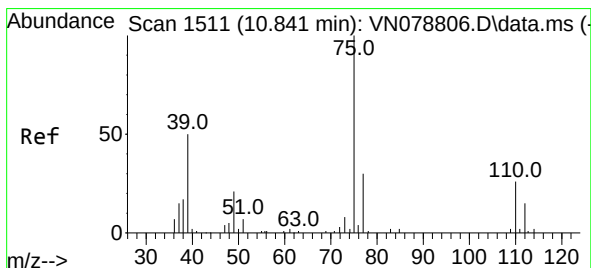
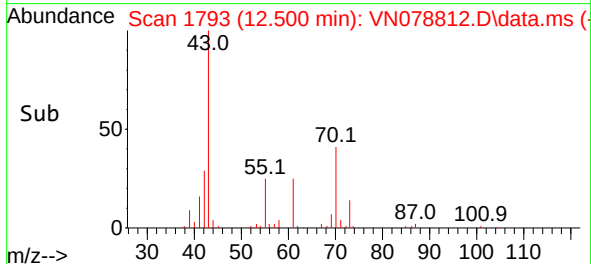
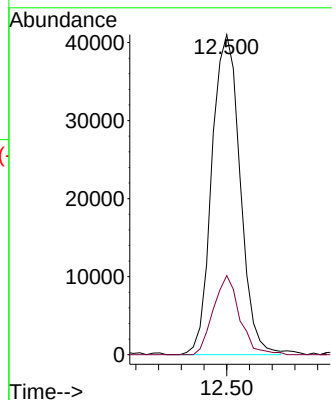
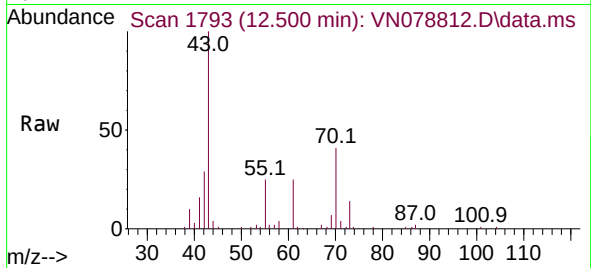
#47
n-amy1 Acetate
Concen: 19.572 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 70862
Ion Ratio Lower Upper
43 100
55 23.0 21.5 32.3

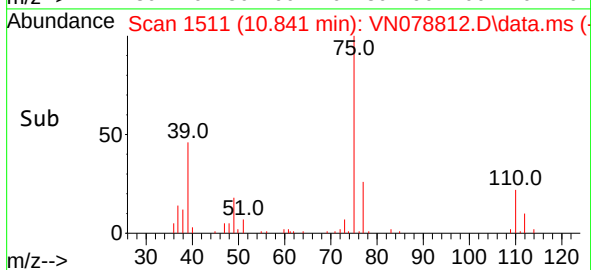
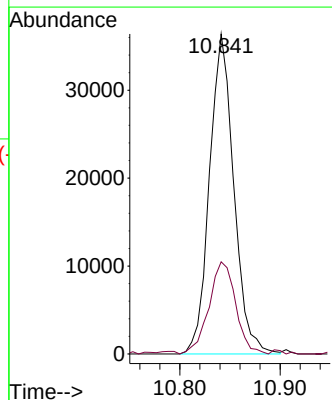
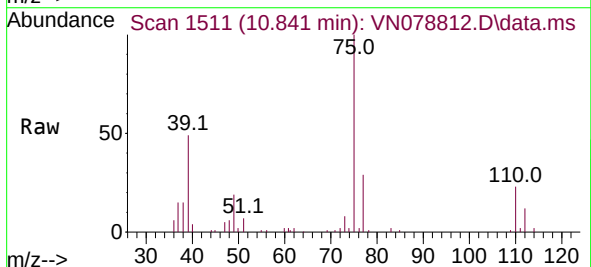
Manual Integrations
APPROVED

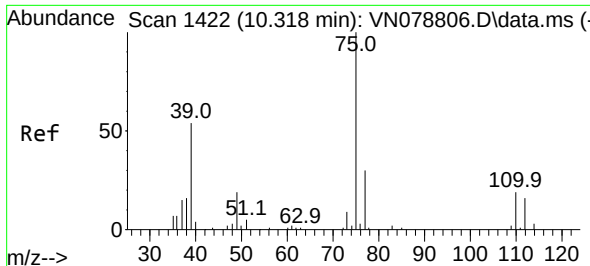
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#48
t-1,3-Dichloropropene
Concen: 19.850 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

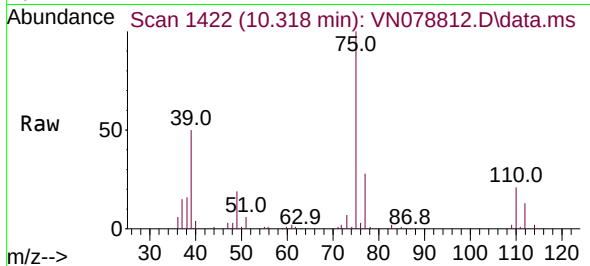
Tgt Ion: 75 Resp: 61367
Ion Ratio Lower Upper
75 100
77 28.8 26.1 39.1





#49
 cis-1,3-Dichloropropene
 Concen: 20.677 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN078812.D
 Acq: 09 Aug 2023 11:19

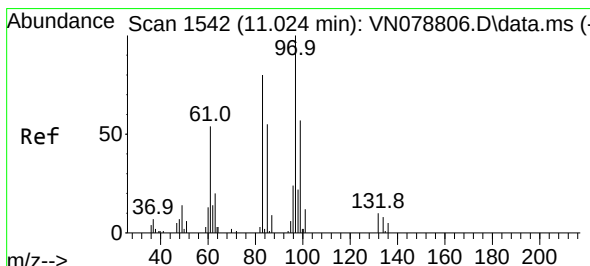
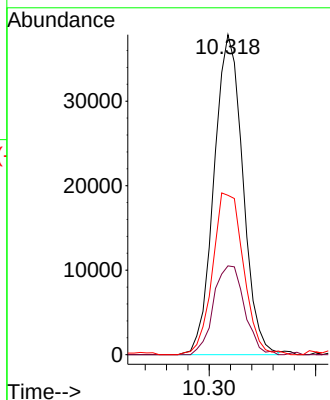
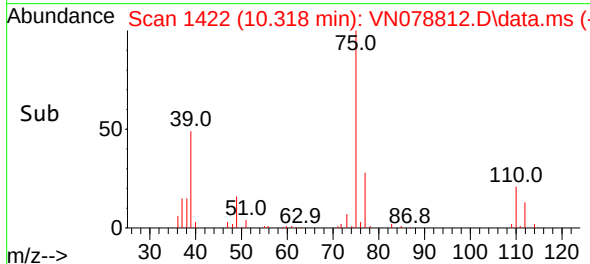
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 75 Resp: 71093
 Ion Ratio Lower Upper
 75 100
 77 27.8 24.0 36.0
 39 49.8 35.1 52.7

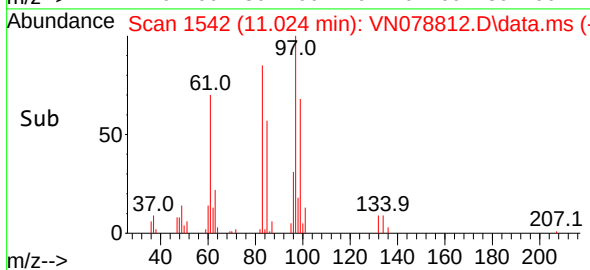
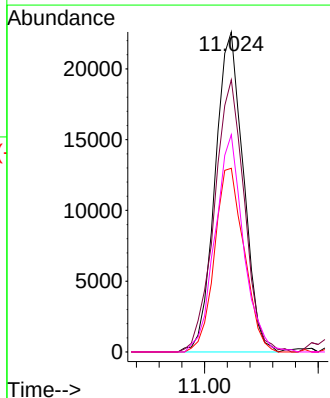
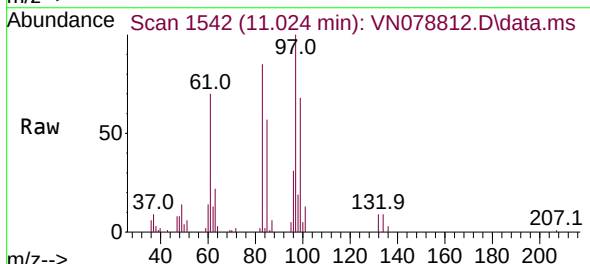
Manual Integrations
 APPROVED

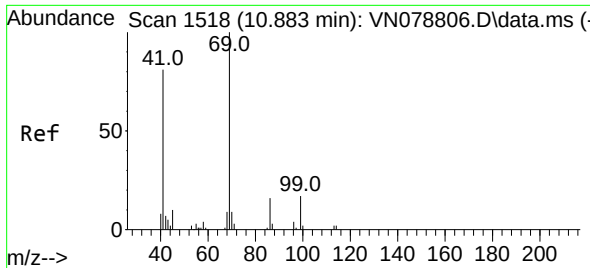
Reviewed By :John Carlone 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023



#50
 1,1,2-Trichloroethane
 Concen: 18.946 ug/l
 RT: 11.024 min Scan# 1542
 Delta R.T. -0.000 min
 Lab File: VN078812.D
 Acq: 09 Aug 2023 11:19

Tgt Ion: 97 Resp: 39117
 Ion Ratio Lower Upper
 97 100
 83 85.1 66.8 100.2
 85 57.4 42.5 63.7
 99 67.9 48.3 72.5





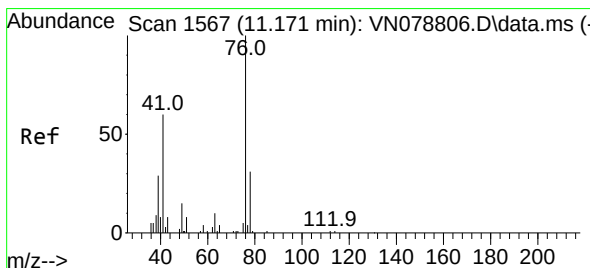
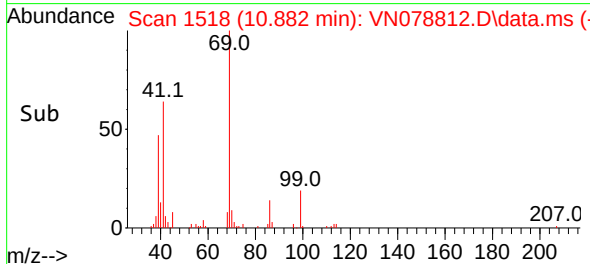
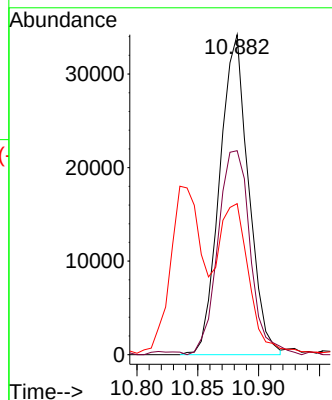
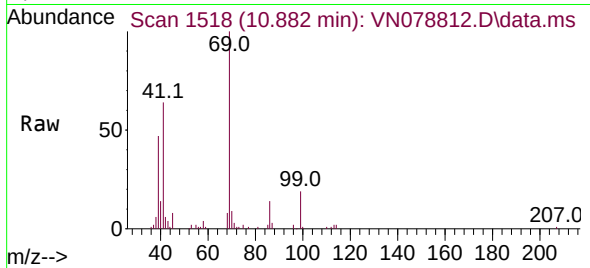
#51
Ethyl methacrylate
Concen: 19.483 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 69 Resp: 56380
Ion Ratio Lower Upper
69 100
41 63.0 26.0 78.0
39 45.2 16.3 48.9

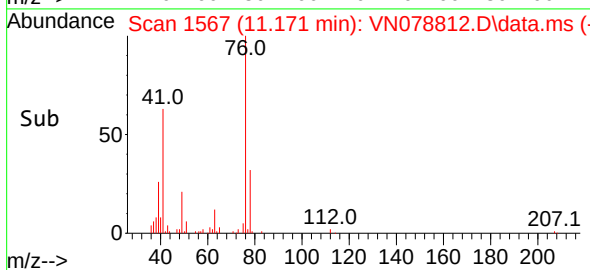
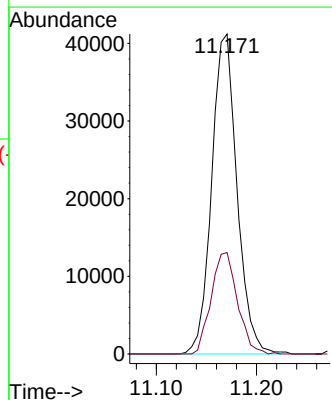
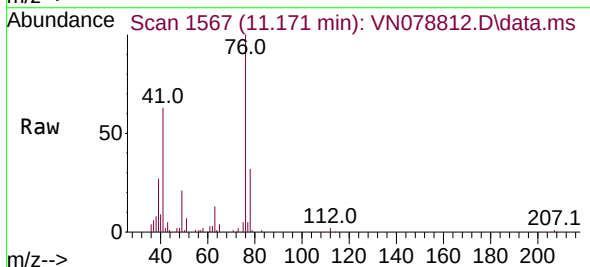
Manual Integrations
APPROVED

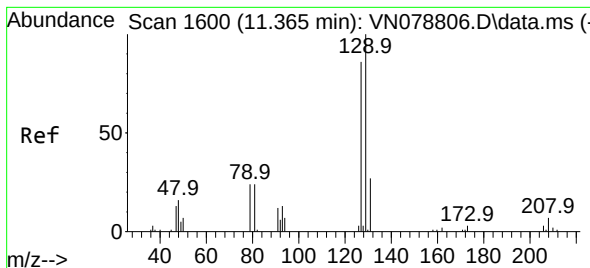
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#52
1,3-Dichloropropane
Concen: 20.399 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

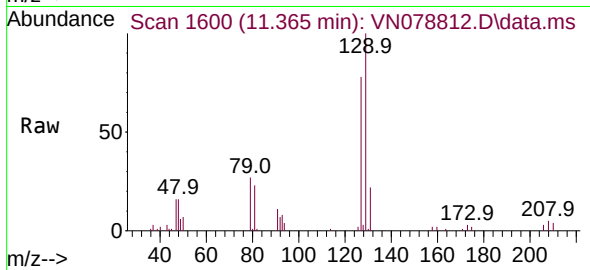
Tgt Ion: 76 Resp: 72319
Ion Ratio Lower Upper
76 100
78 32.9 0.0 66.2





#53
Dibromochloromethane
Concen: 20.131 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

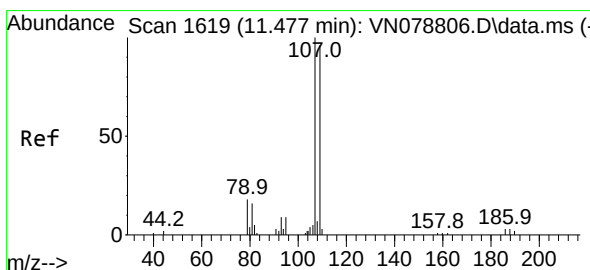
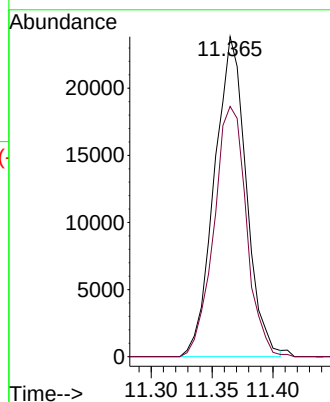
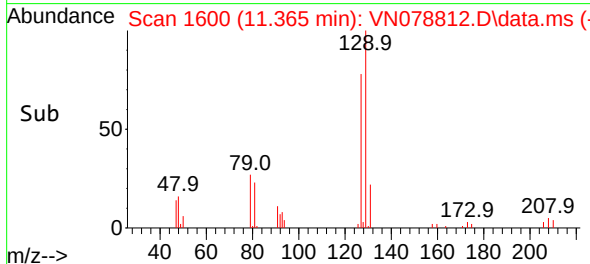
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



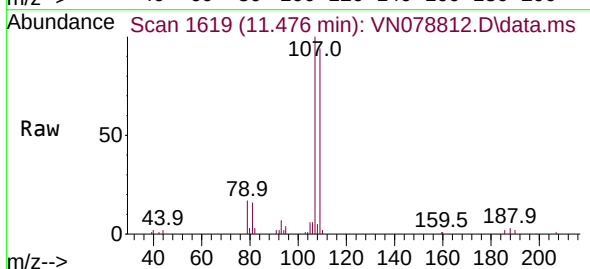
Tgt Ion:129 Resp: 43380
Ion Ratio Lower Upper
129 100
127 79.5 39.4 118.1

Manual Integrations
APPROVED

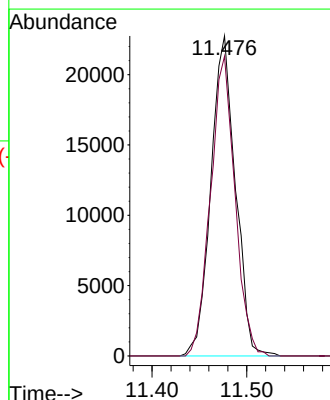
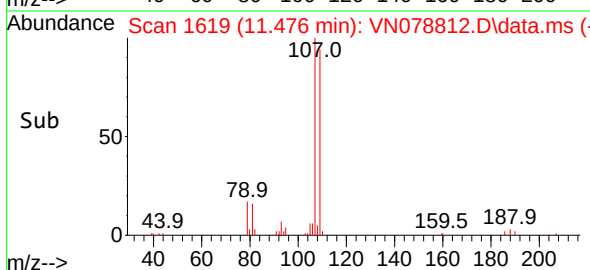
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

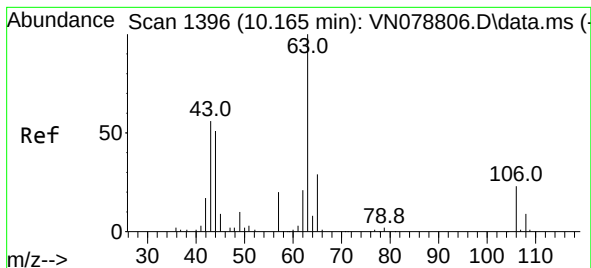


#54
1,2-Dibromoethane
Concen: 20.319 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19



Tgt Ion:107 Resp: 40986
Ion Ratio Lower Upper
107 100
109 93.2 74.6 112.0





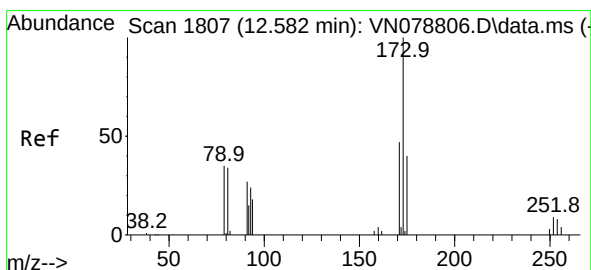
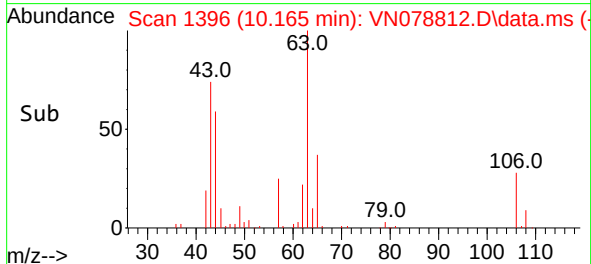
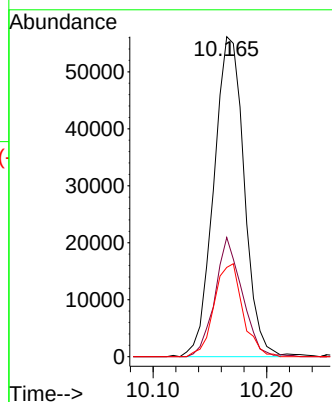
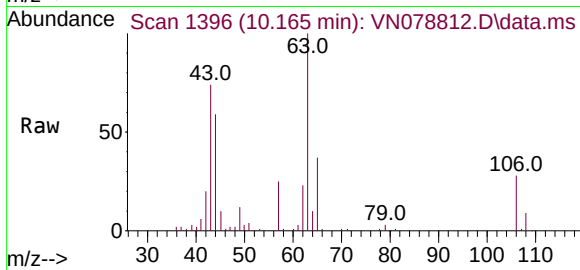
#55
2-Chloroethyl vinyl ether
Concen: 97.713 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 104289
Ion Ratio Lower Upper
63 100
65 33.1 26.3 39.5
106 27.4 23.8 35.6

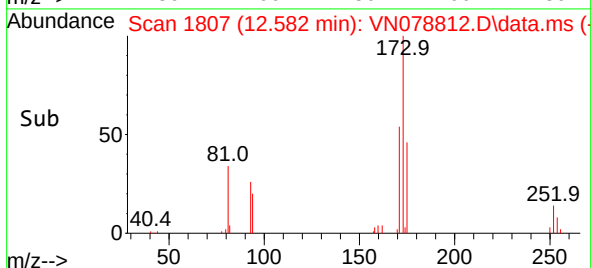
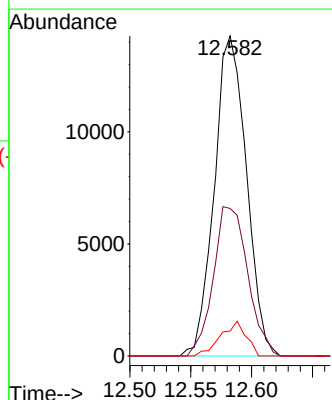
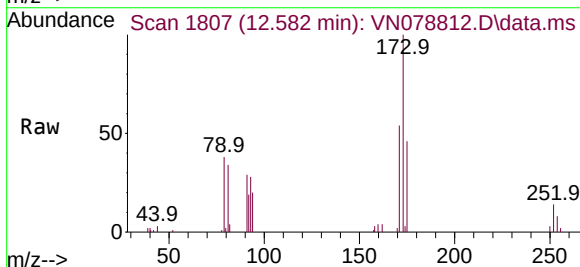
Manual Integrations
APPROVED

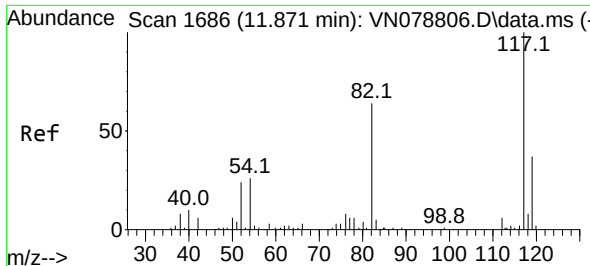
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#56
Bromoform
Concen: 19.427 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Tgt Ion:173 Resp: 26207
Ion Ratio Lower Upper
173 100
175 49.9 40.7 61.1
254 8.6 6.5 9.7





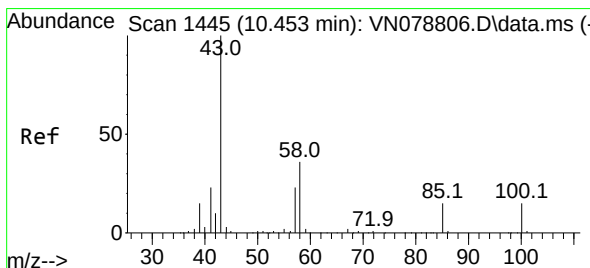
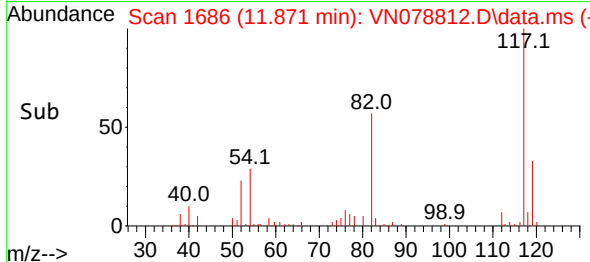
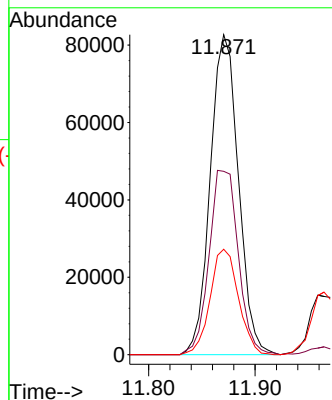
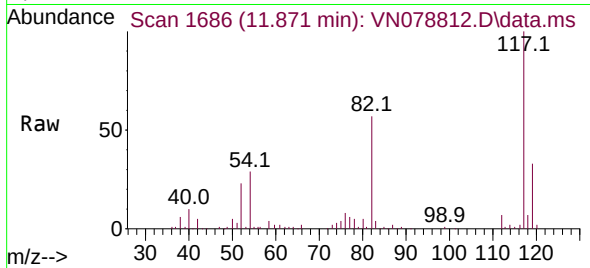
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 151749
Ion Ratio Lower Upper
117 100
82 59.7 43.9 65.9
119 33.2 26.2 39.4

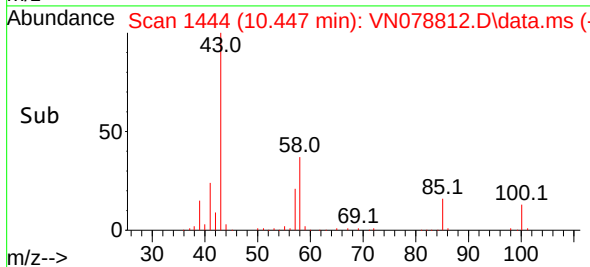
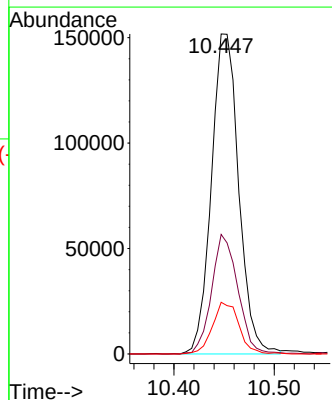
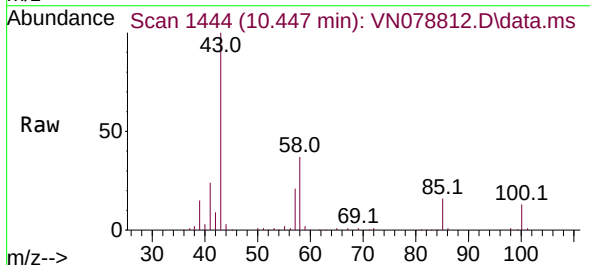
Manual Integrations
APPROVED

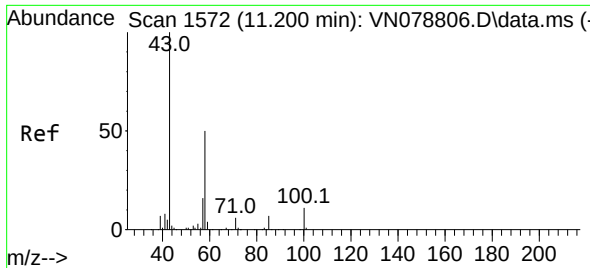
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#58
4-Methyl-2-Pentanone
Concen: 98.594 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

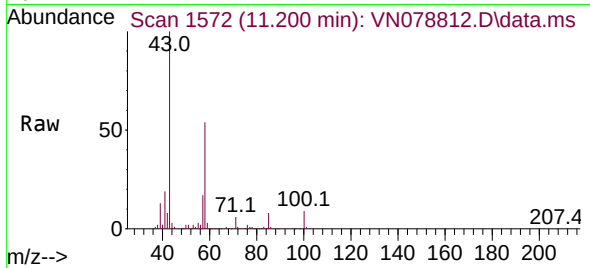
Tgt Ion: 43 Resp: 287579
Ion Ratio Lower Upper
43 100
58 35.8 32.6 48.8
85 15.6 16.2 24.2#





#59
2-Hexanone
Concen: 96.777 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

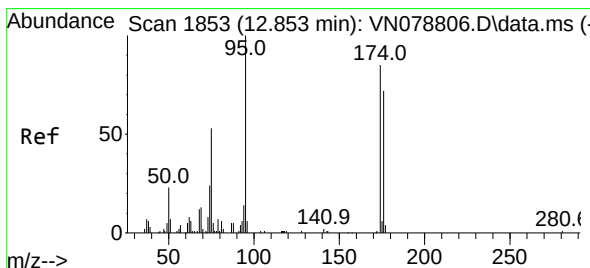
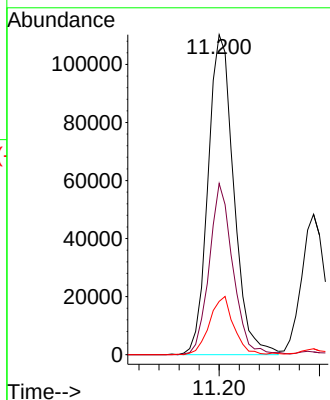
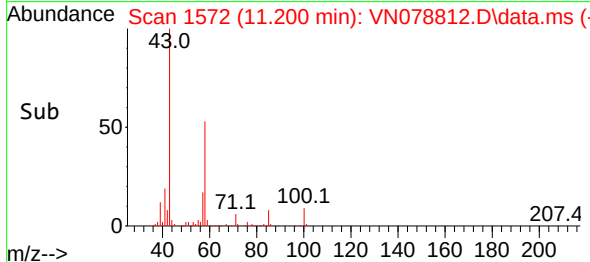
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 196158
Ion Ratio Lower Upper
43 100
58 49.0 45.9 68.9
57 17.0 15.8 23.6

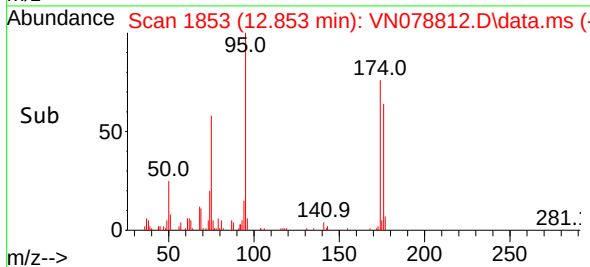
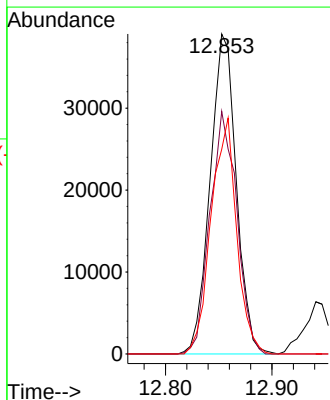
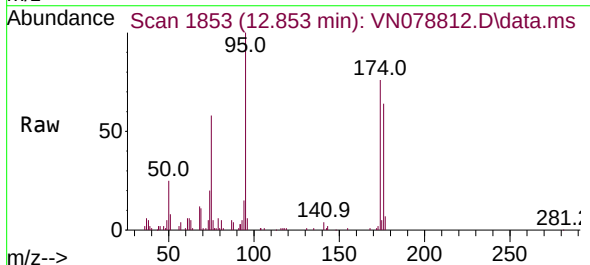
Manual Integrations
APPROVED

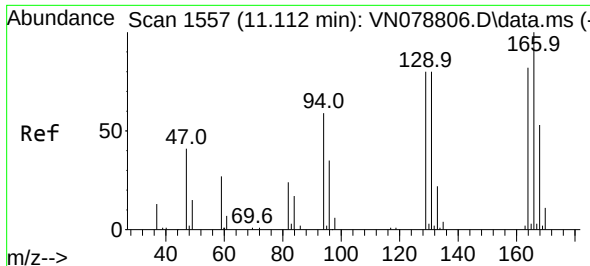
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#60
4-Bromofluorobenzene
Concen: 31.258 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

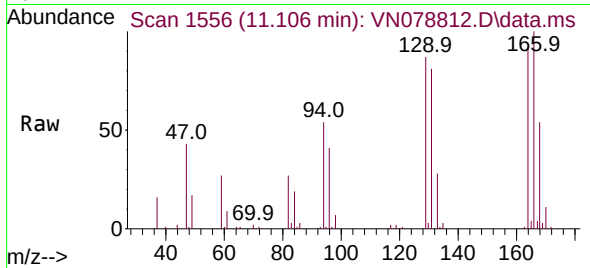
Tgt Ion: 95 Resp: 66581
Ion Ratio Lower Upper
95 100
174 78.0 61.7 92.5
176 71.8 58.1 87.1





#61
Tetrachloroethene
Concen: 22.295 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

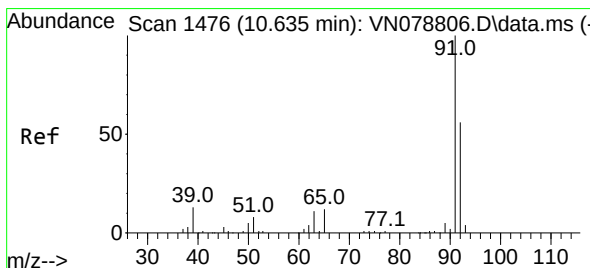
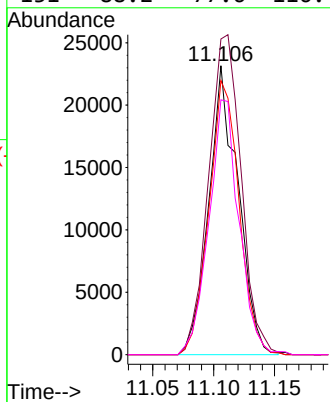
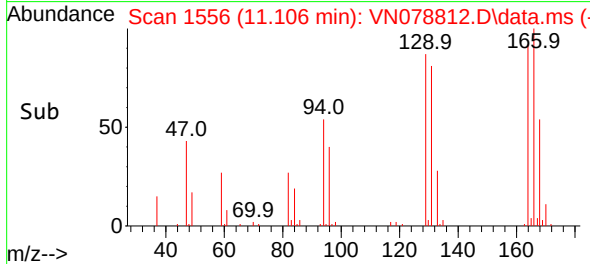
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:164 Resp: 38700
Ion Ratio Lower Upper
164 100
166 109.2 99.1 148.7
129 94.9 85.6 128.4
131 88.2 77.6 116.4

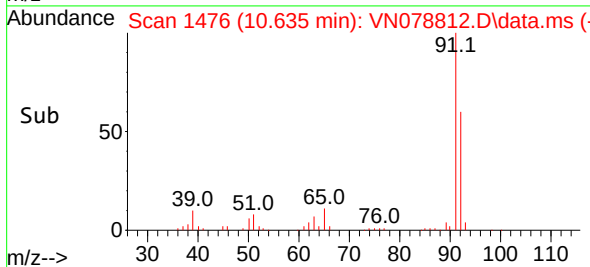
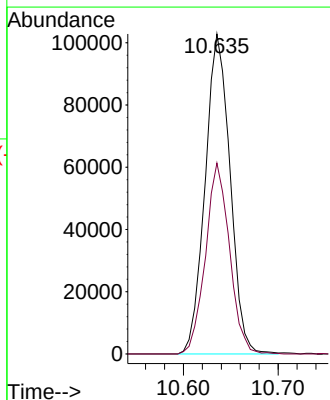
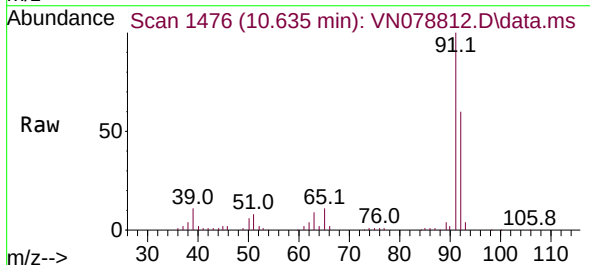
Manual Integrations
APPROVED

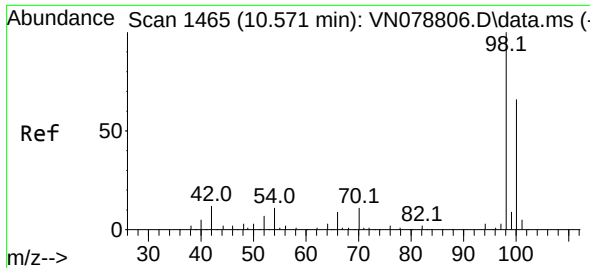
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#62
Toluene
Concen: 21.052 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

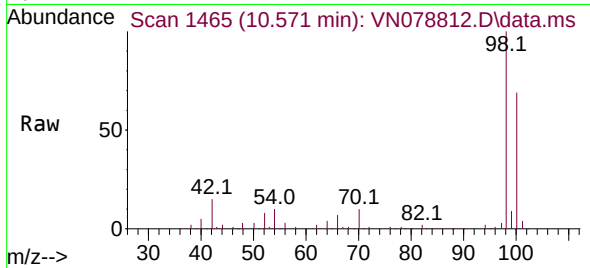
Tgt Ion: 91 Resp: 188080
Ion Ratio Lower Upper
91 100
92 57.3 45.2 67.8





#63
Toluene-d8
Concen: 31.004 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

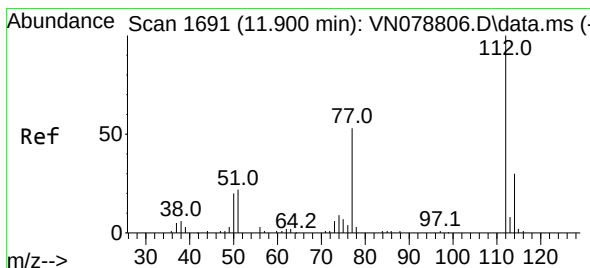
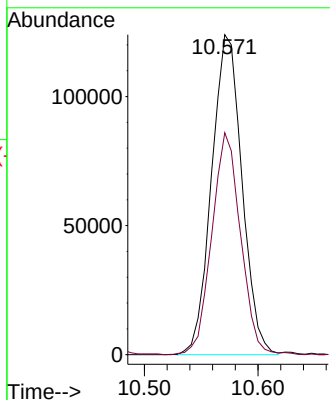
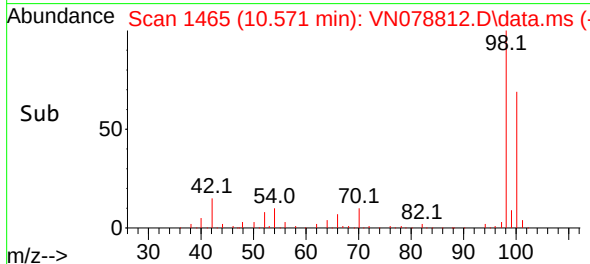
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



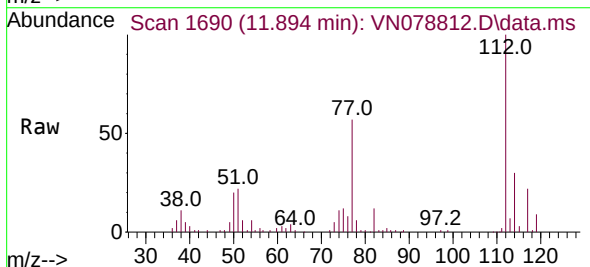
Tgt Ion: 98 Resp: 23055
Ion Ratio Lower Upper
98 100
100 65.5 49.7 74.5

Manual Integrations
APPROVED

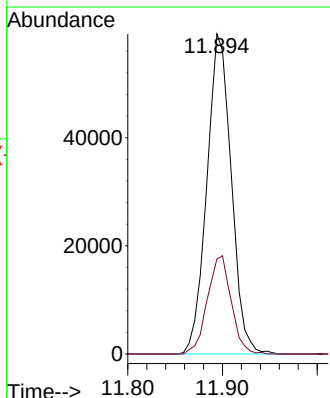
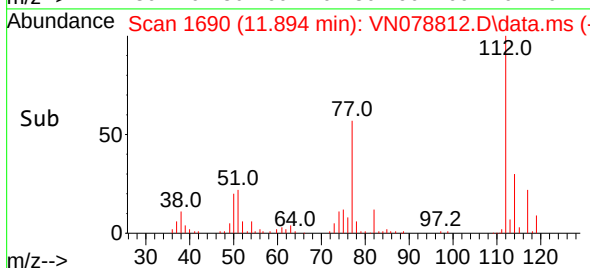
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

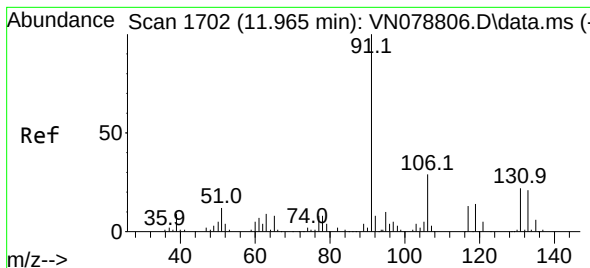


#64
Chlorobenzene
Concen: 20.309 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19



Tgt Ion:112 Resp: 106223
Ion Ratio Lower Upper
112 100
114 29.7 25.9 38.9





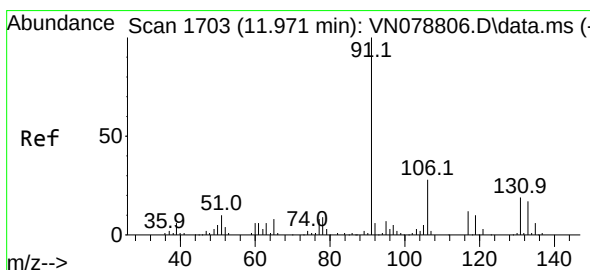
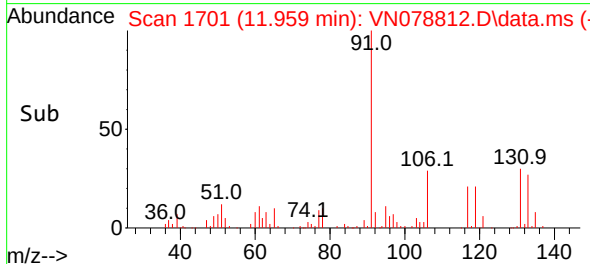
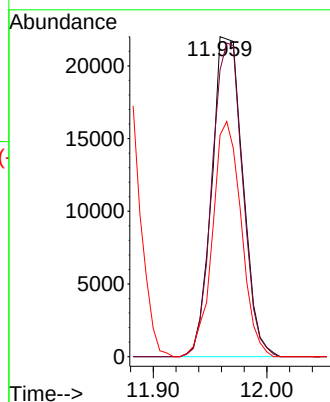
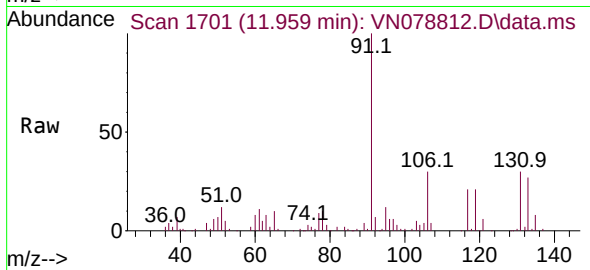
#65
1,1,1,2-Tetrachloroethane
Concen: 20.784 ug/l
RT: 11.959 min Scan# 11959
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:131 Resp: 41882
Ion Ratio Lower Upper
131 100
133 96.7 0.0 191.8
119 68.0 0.0 132.0

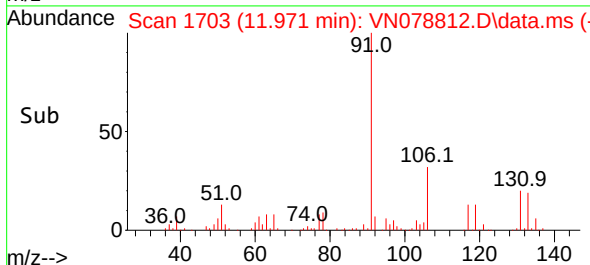
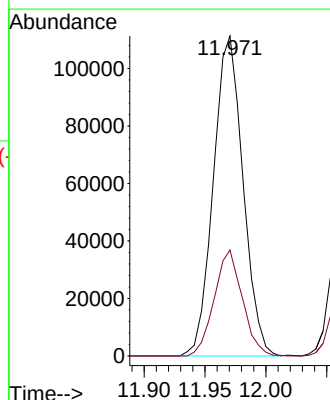
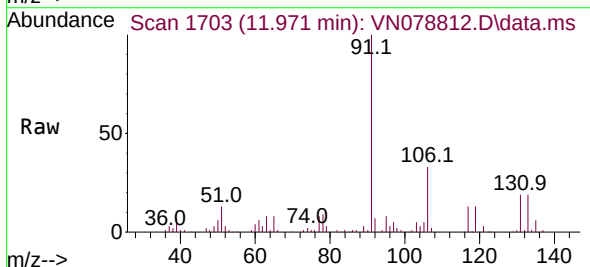
Manual Integrations
APPROVED

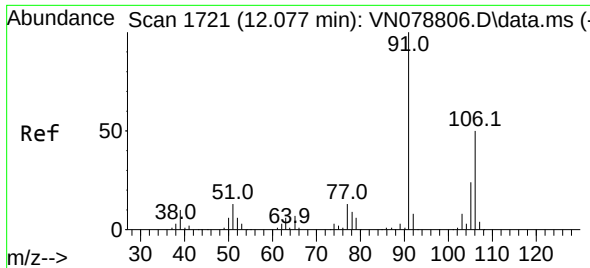
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#66
Ethyl Benzene
Concen: 20.311 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Tgt Ion: 91 Resp: 188454
Ion Ratio Lower Upper
91 100
106 33.1 25.6 38.4





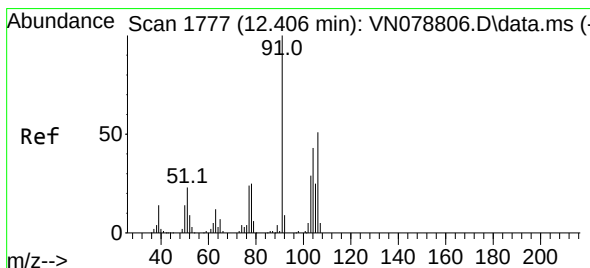
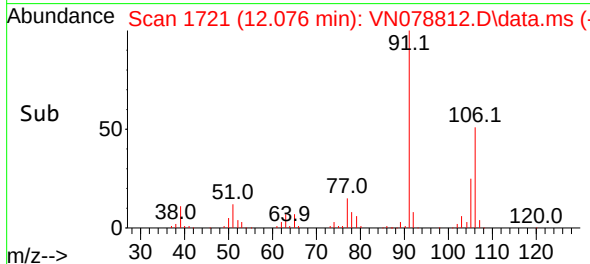
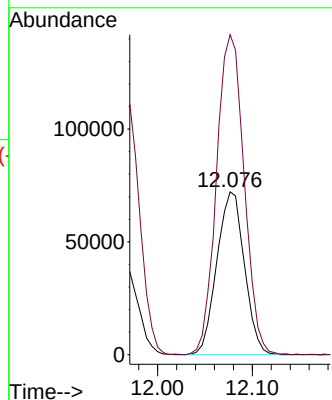
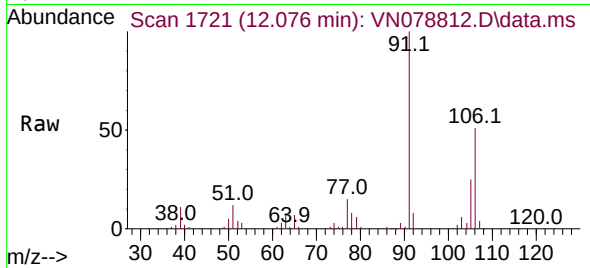
#67
m/p-Xylenes
Concen: 42.847 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 145772
Ion Ratio Lower Upper
106 100
91 197.3 162.5 243.7

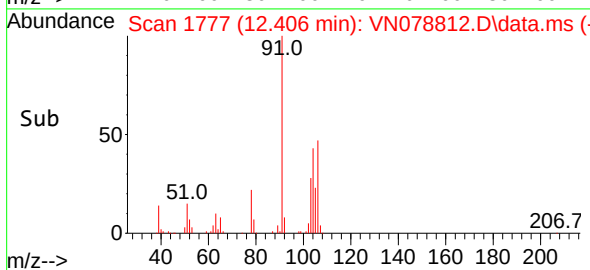
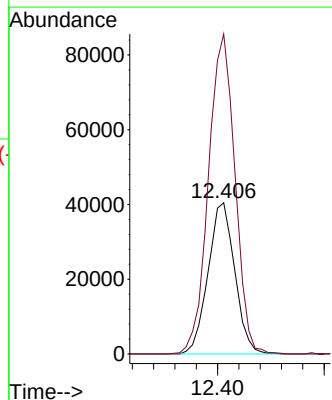
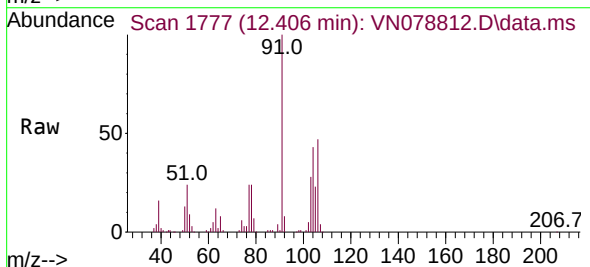
Manual Integrations
APPROVED

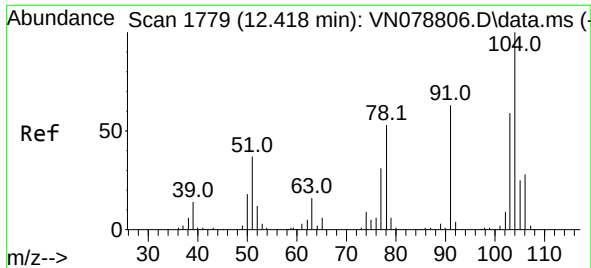
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#68
o-Xylene
Concen: 20.758 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Tgt Ion:106 Resp: 70294
Ion Ratio Lower Upper
106 100
91 210.4 106.1 318.3





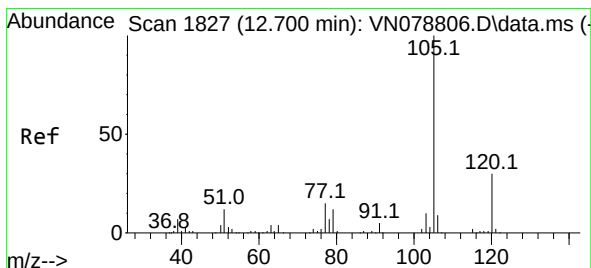
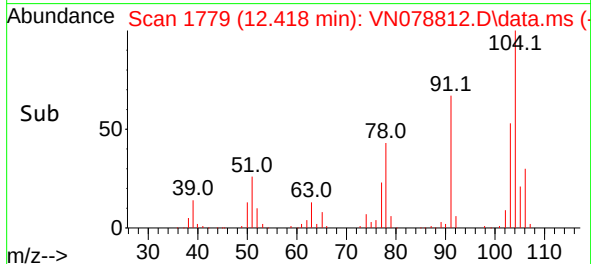
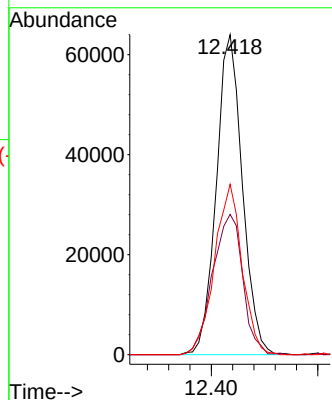
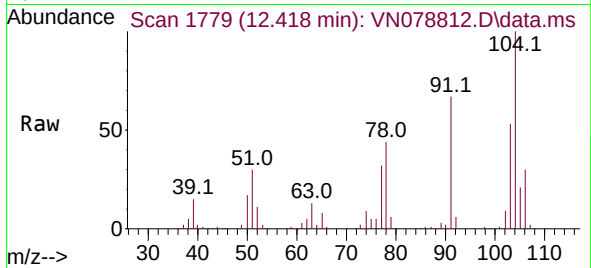
#69
Styrene
Concen: 21.000 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 108662
Ion Ratio Lower Upper
104 100
78 50.6 40.1 60.1
103 56.3 45.1 67.7

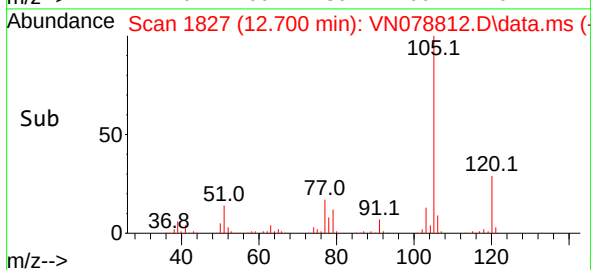
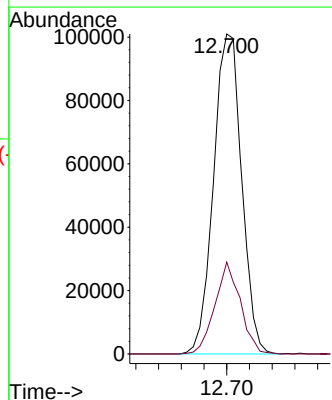
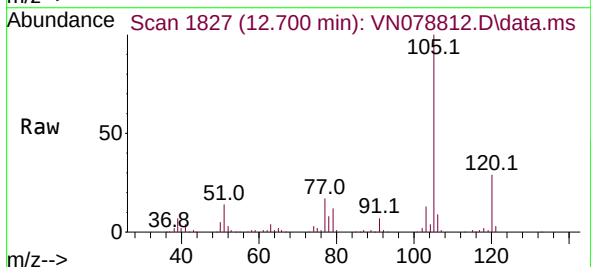
Manual Integrations
APPROVED

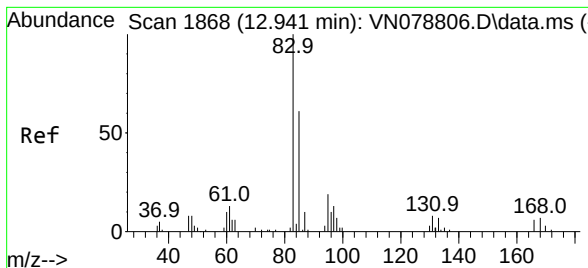
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#70
Isopropylbenzene
Concen: 20.742 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

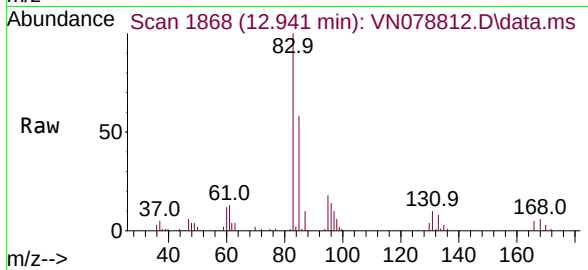
Tgt Ion:105 Resp: 173495
Ion Ratio Lower Upper
105 100
120 26.0 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 20.368 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

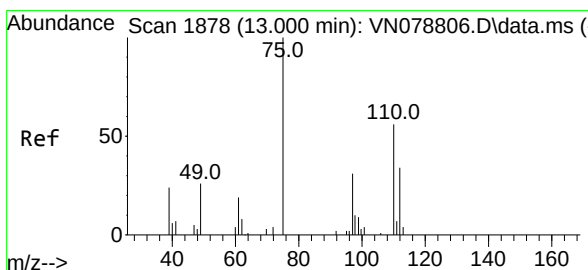
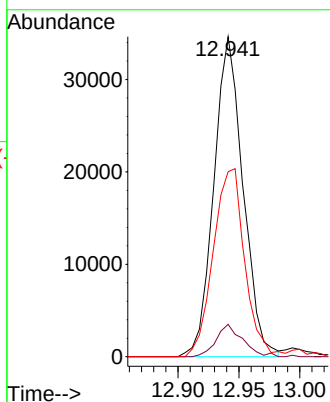
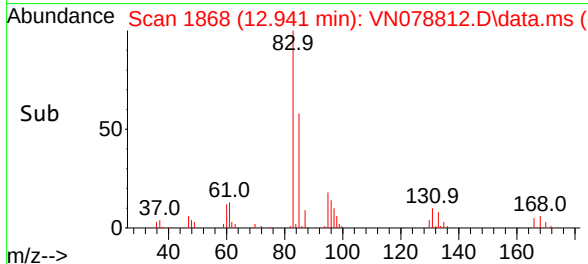
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



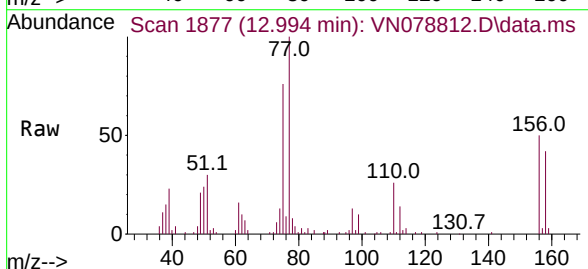
Tgt Ion: 83 Resp: 5773
Ion Ratio Lower Upper
83 100
131 8.9 4.8 14.4
85 62.8 32.6 98.0

Manual Integrations
APPROVED

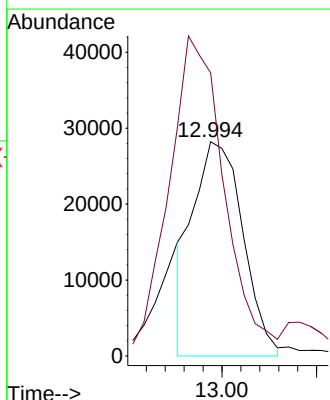
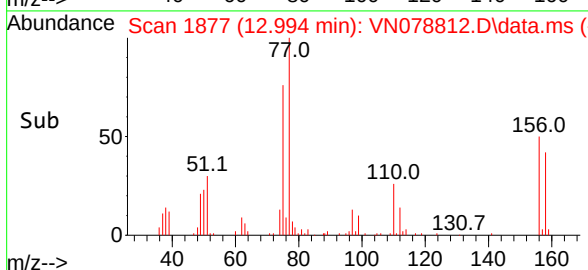
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

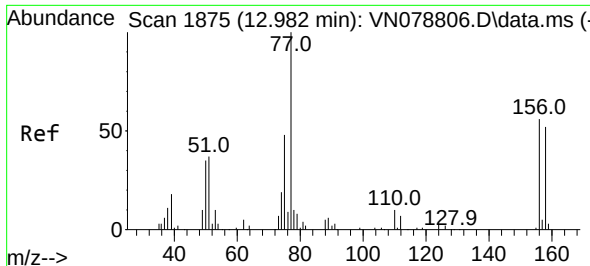


#72
1,2,3-Trichloropropane
Concen: 20.882 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19



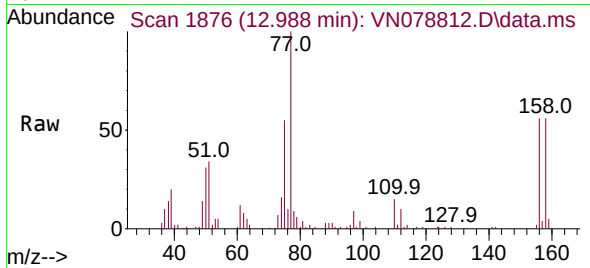
Tgt Ion: 75 Resp: 51665
Ion Ratio Lower Upper
75 100
77 166.7 0.0 387.4





#73
Bromobenzene
Concen: 20.053 ug/l
RT: 12.988 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

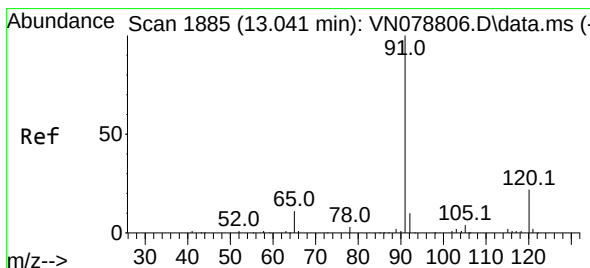
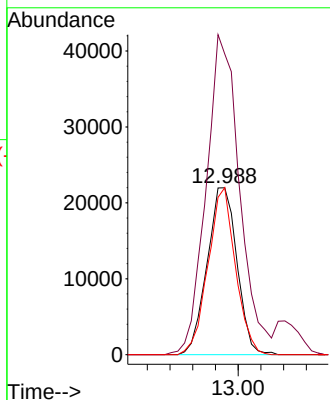
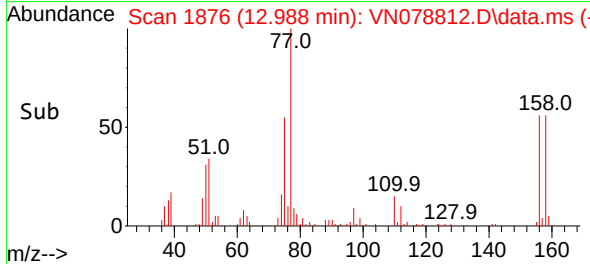
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:156 Resp: 40089
Ion Ratio Lower Upper
156 100
77 214.8 0.0 420.8
158 92.0 0.0 193.2

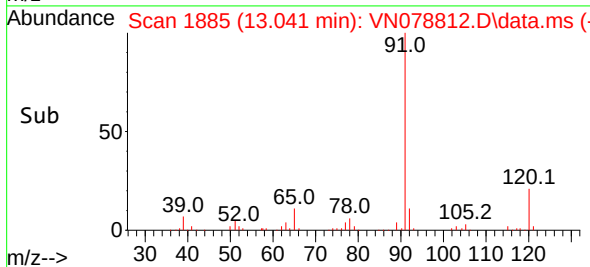
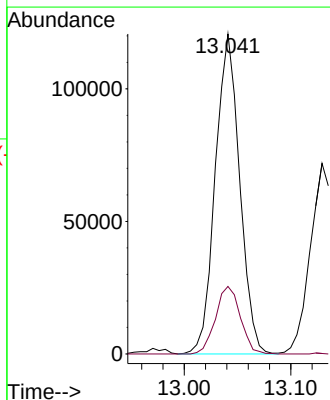
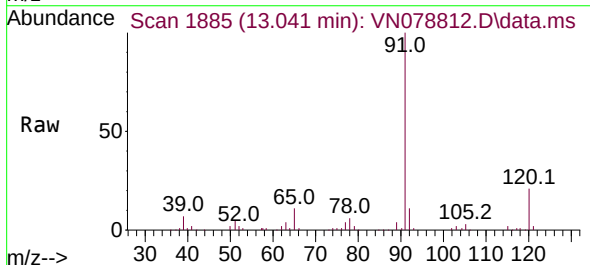
Manual Integrations
APPROVED

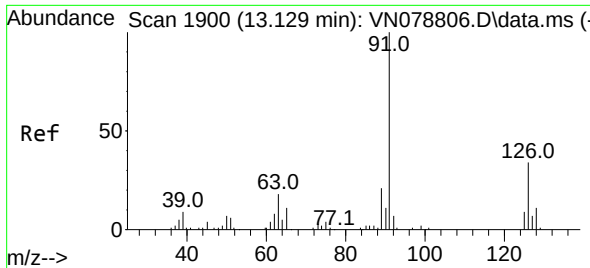
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#74
n-propylbenzene
Concen: 20.737 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Tgt Ion: 91 Resp: 191941
Ion Ratio Lower Upper
91 100
120 21.4 0.0 44.6





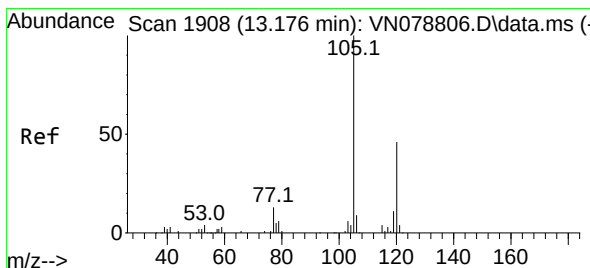
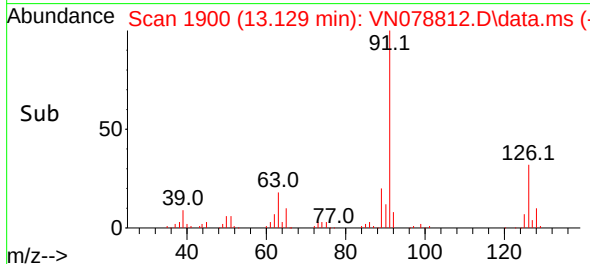
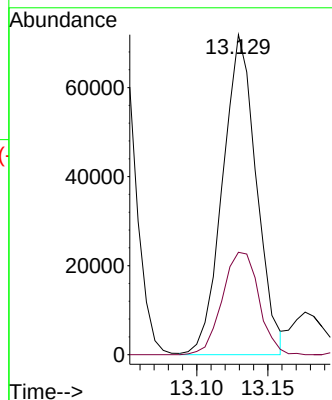
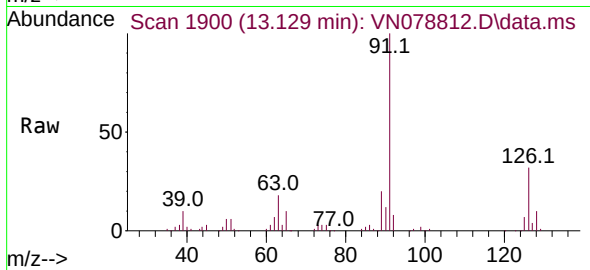
#75
2-Chlorotoluene
Concen: 20.600 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 118779
Ion Ratio Lower Upper
91 100
126 34.6 0.0 67.2

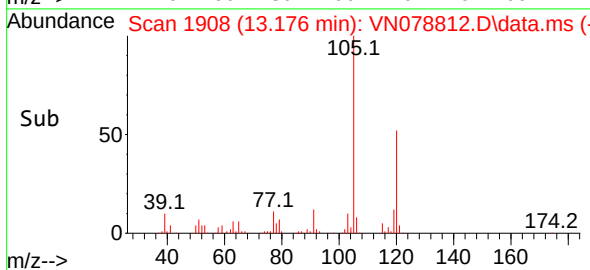
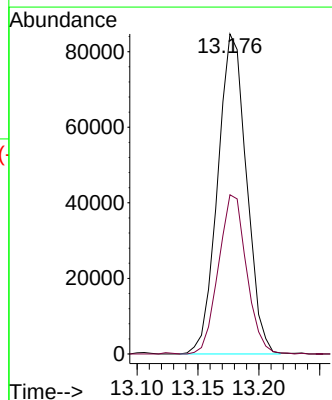
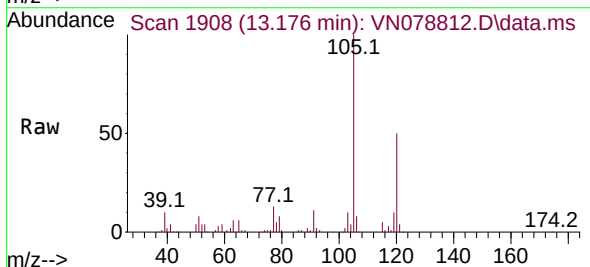
Manual Integrations
APPROVED

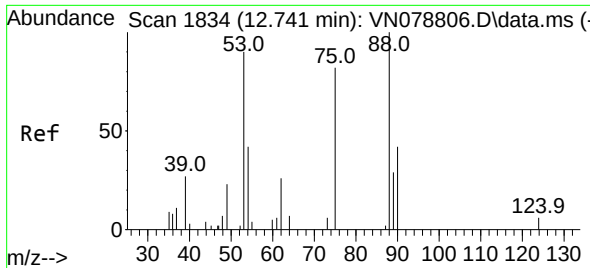
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#76
1,3,5-Trimethylbenzene
Concen: 20.986 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

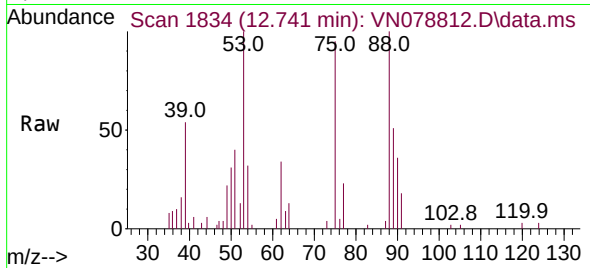
Tgt Ion:105 Resp: 139419
Ion Ratio Lower Upper
105 100
120 48.4 0.0 97.2





#77
t-1,4-Dichloro-2-butene
Concen: 19.354 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

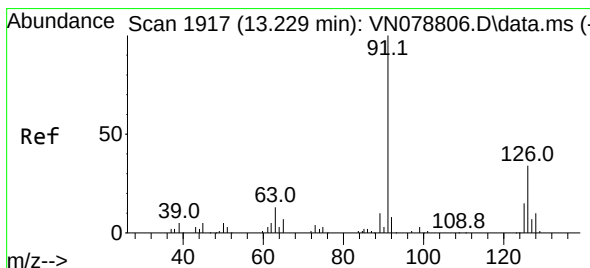
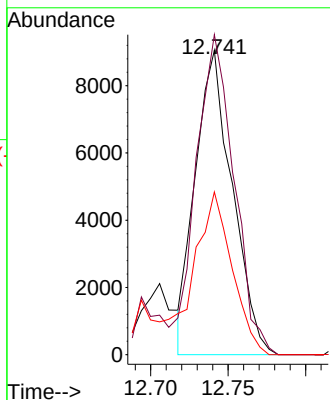
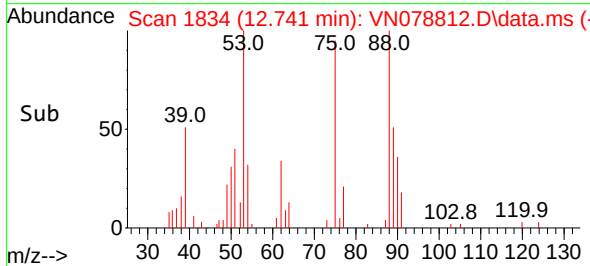
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 15030
Ion Ratio Lower Upper
75 100
53 105.2 41.6 124.9
89 53.5 25.1 75.4

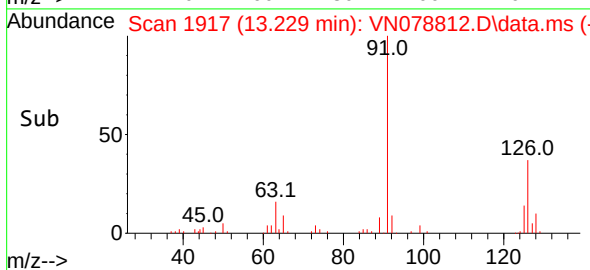
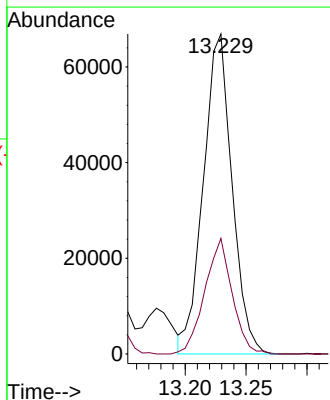
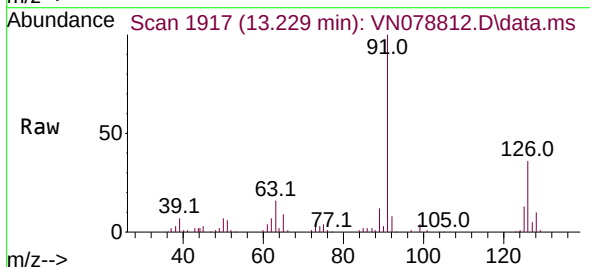
Manual Integrations
APPROVED

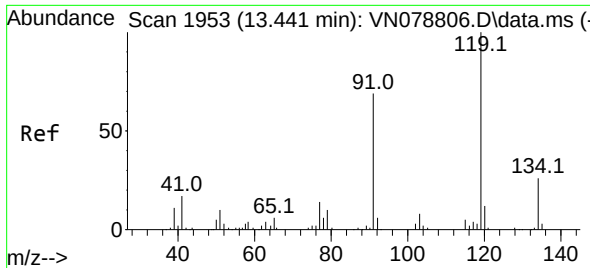
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#78
4-Chlorotoluene
Concen: 20.498 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Tgt Ion: 91 Resp: 109647
Ion Ratio Lower Upper
91 100
126 34.5 0.0 68.8





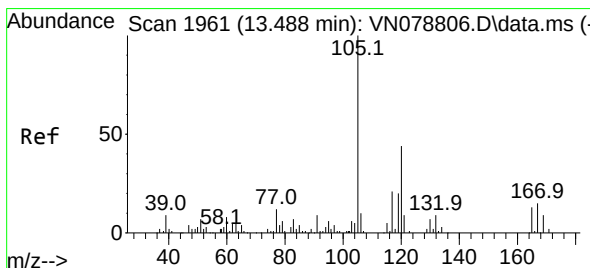
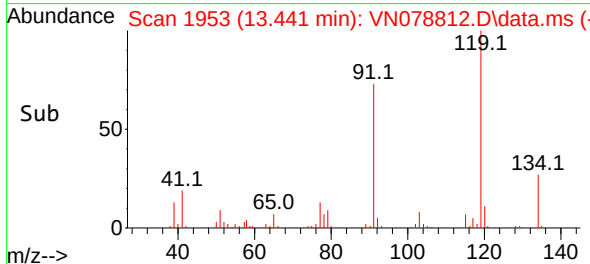
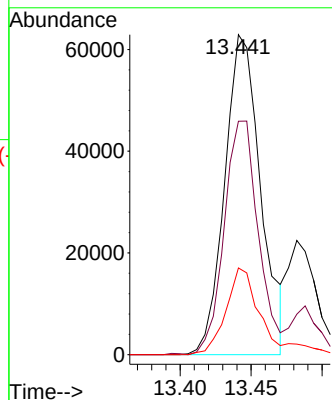
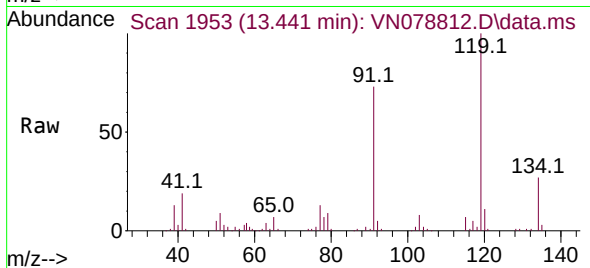
#79
tert-butylbenzene
Concen: 20.373 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 11104
Ion Ratio Lower Upper
119 100
91 69.2 0.0 126.6
134 24.2 0.0 44.0

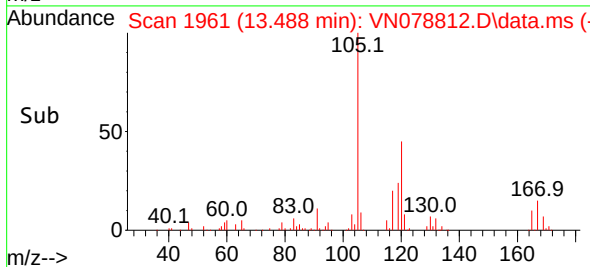
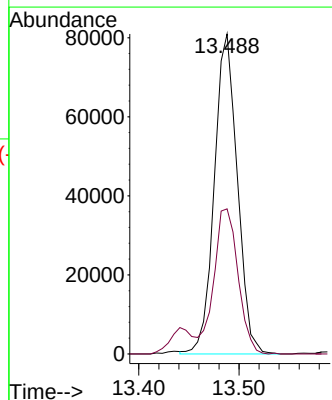
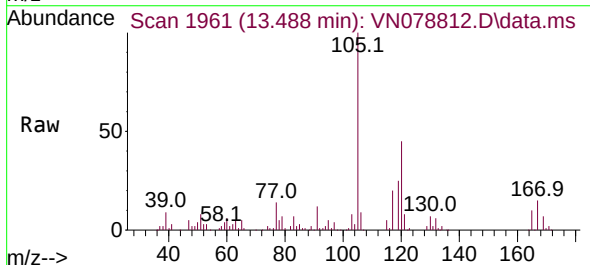
Manual Integrations
APPROVED

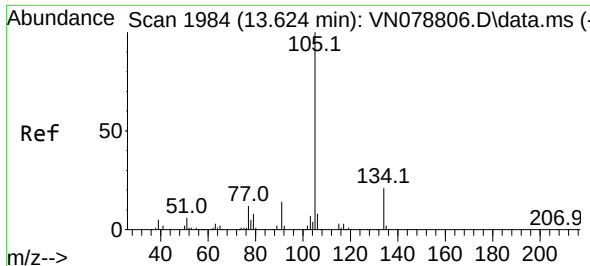
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#80
1,2,4-Trimethylbenzene
Concen: 20.550 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

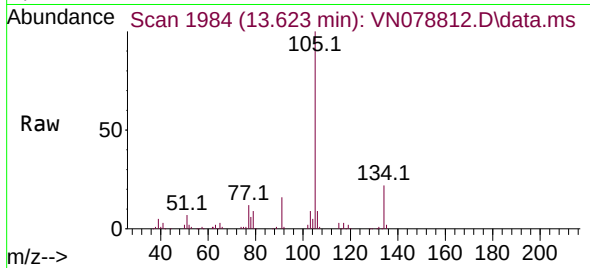
Tgt Ion:105 Resp: 128829
Ion Ratio Lower Upper
105 100
120 47.5 0.0 88.2





#81
 sec-Butylbenzene
 Concen: 20.579 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: VN078812.D
 Acq: 09 Aug 2023 11:19

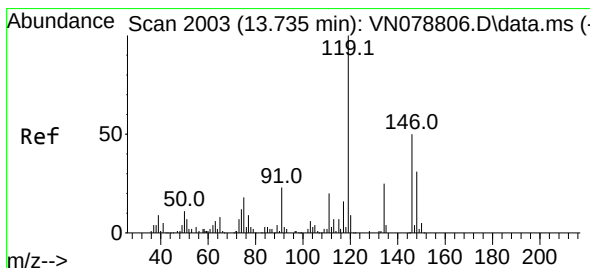
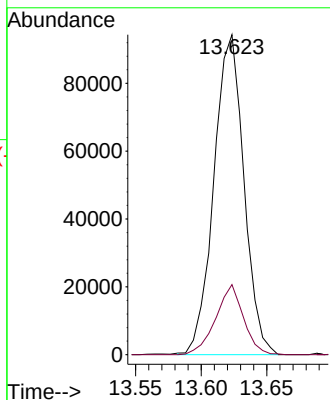
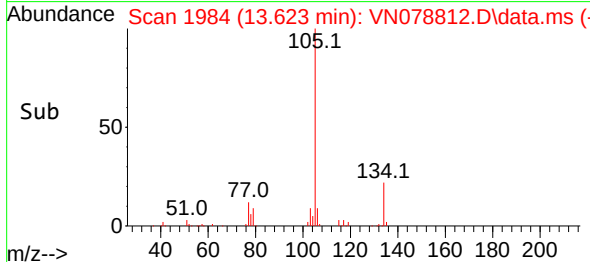
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



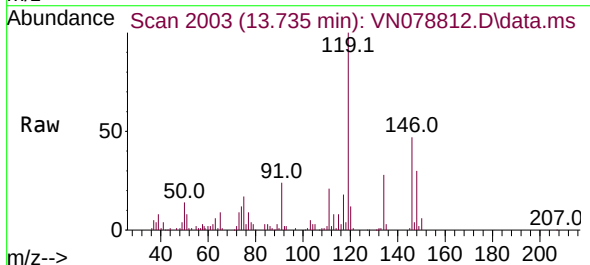
Tgt Ion:105 Resp: 150172
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 38.6

Manual Integrations
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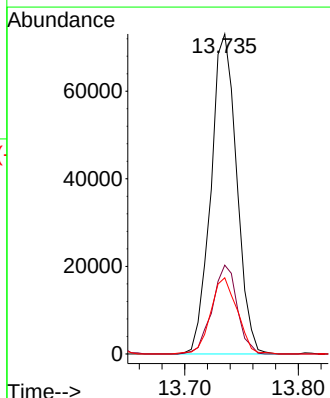
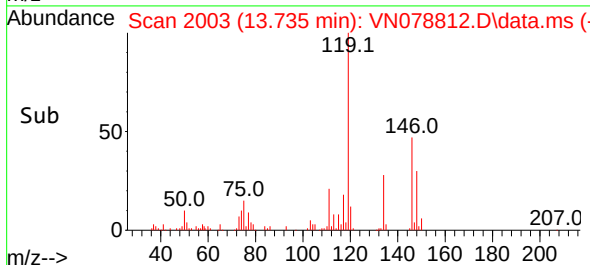
Reviewed By :John Carlone 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023

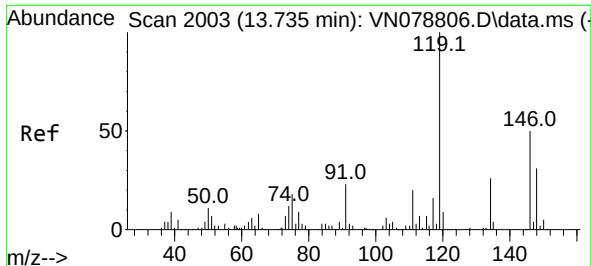


#82
 p-Isopropyltoluene
 Concen: 20.177 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.000 min
 Lab File: VN078812.D
 Acq: 09 Aug 2023 11:19



Tgt Ion:119 Resp: 115329
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 52.4
 91 24.6 0.0 48.2





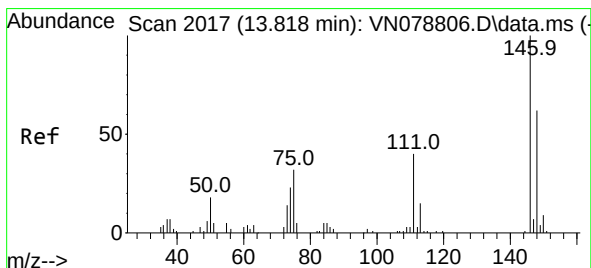
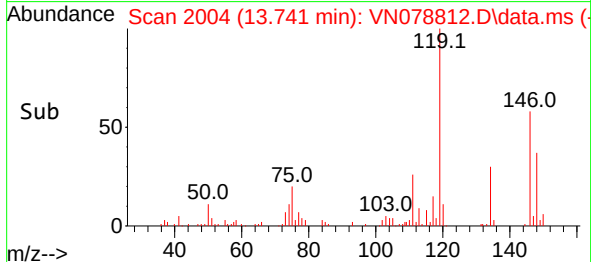
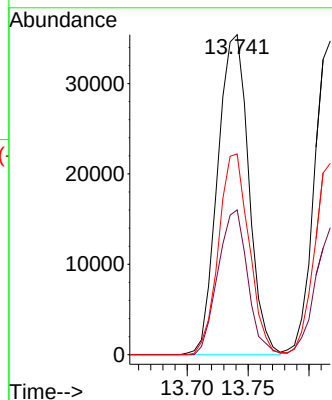
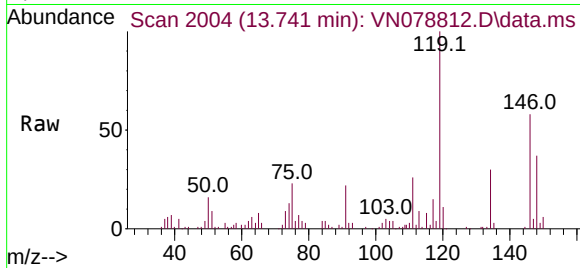
#83
1,3-Dichlorobenzene
Concen: 20.361 ug/l
RT: 13.741 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 62900
Ion Ratio Lower Upper
146 100
111 43.3 21.6 64.6
148 61.7 31.9 95.5

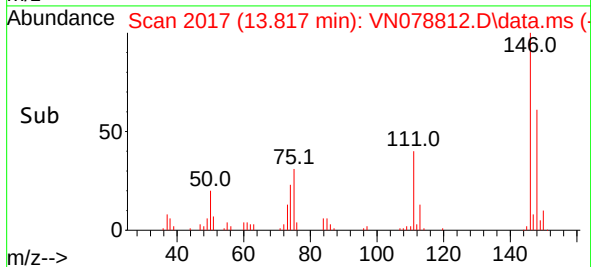
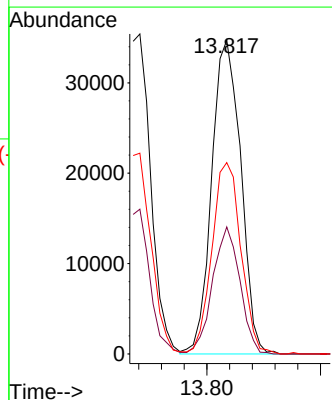
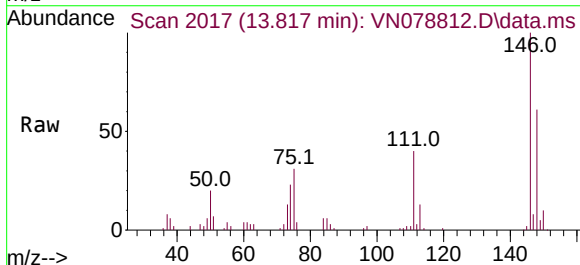
Manual Integrations
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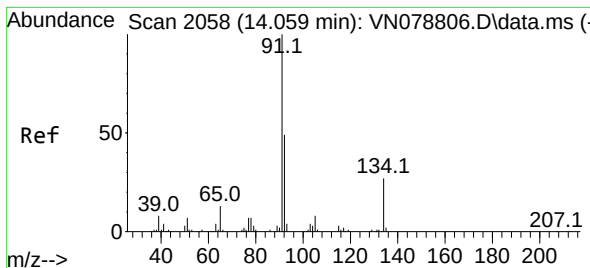
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#84
1,4-Dichlorobenzene
Concen: 20.907 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

Tgt Ion:146 Resp: 61686
Ion Ratio Lower Upper
146 100
111 38.1 19.4 58.2
148 60.9 31.4 94.3





#85

n-Butylbenzene

Concen: 19.096 ug/l

RT: 14.065 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

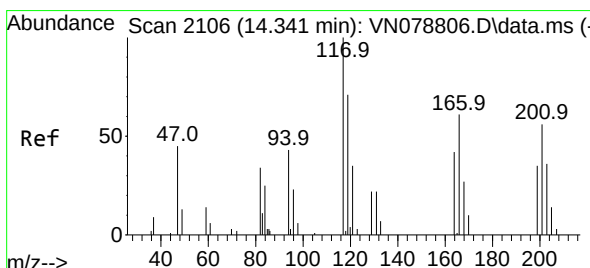
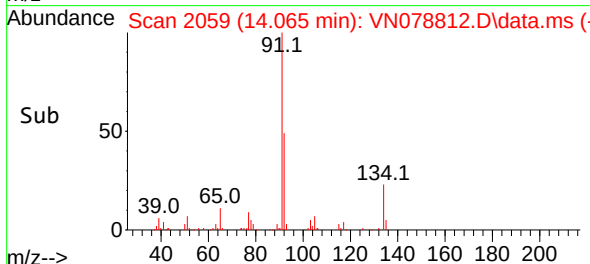
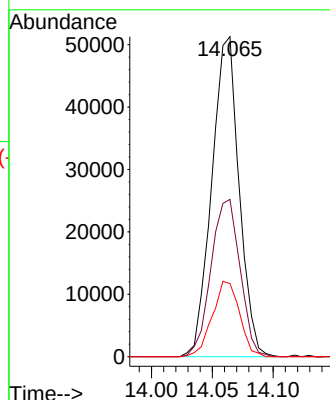
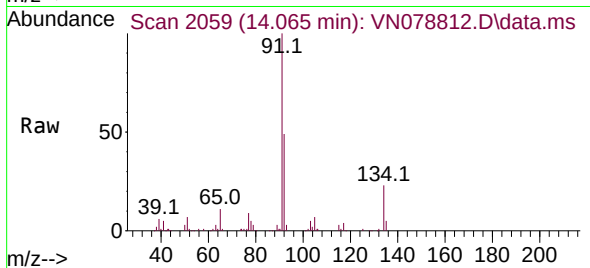
Tgt Ion: 91	Resp: 8032
Ion Ratio	Lower Upper
91	100
92	52.0 0.0 99.6
134	23.4 0.0 50.0

Manual Integrations

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Reviewed By :John Carlone 08/10/2023

Supervised By :Mahesh Dadoda 08/10/2023



#86

Hexachloroethane

Concen: 21.163 ug/l

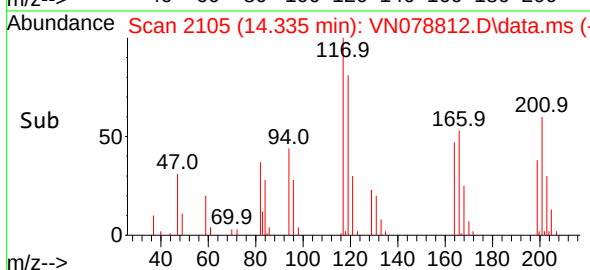
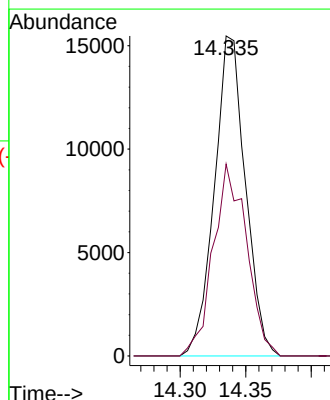
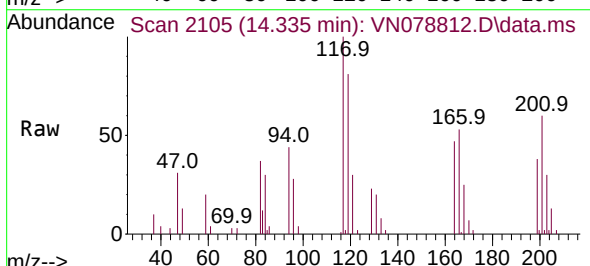
RT: 14.335 min Scan# 2105

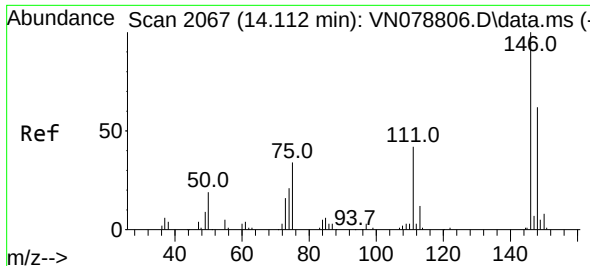
Delta R.T. -0.006 min

Lab File: VN078812.D

Acq: 09 Aug 2023 11:19

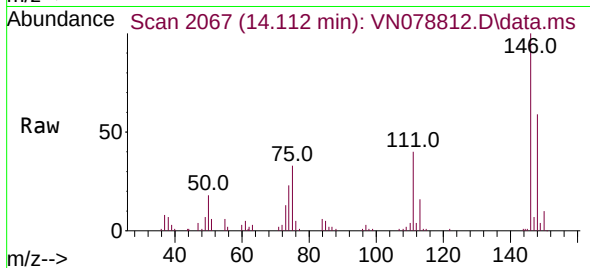
Tgt Ion: 117	Resp: 25481
Ion Ratio	Lower Upper
117	100
201	64.4 34.2 102.6





#87
1,2-Dichlorobenzene
Concen: 20.970 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

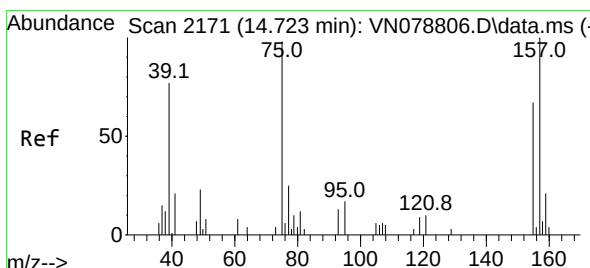
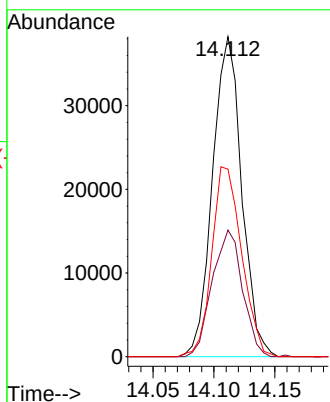
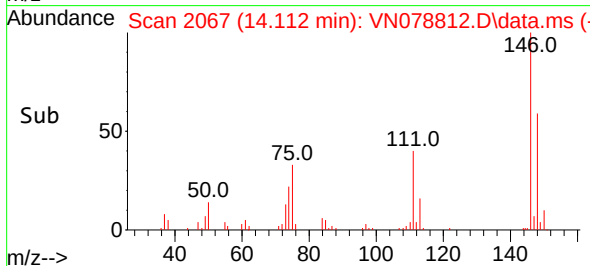
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



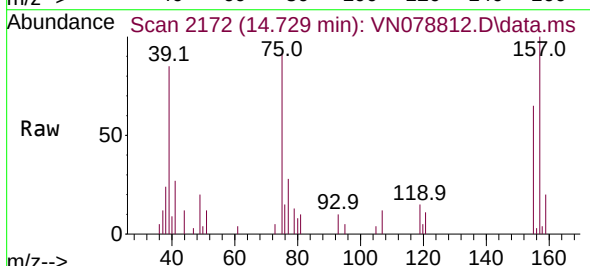
Tgt Ion:146 Resp: 6374
Ion Ratio Lower Upper
146 100
111 41.0 22.4 67.3
148 60.8 33.4 100.1

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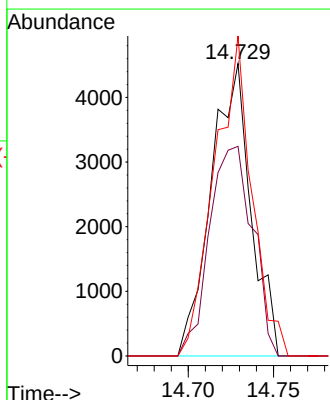
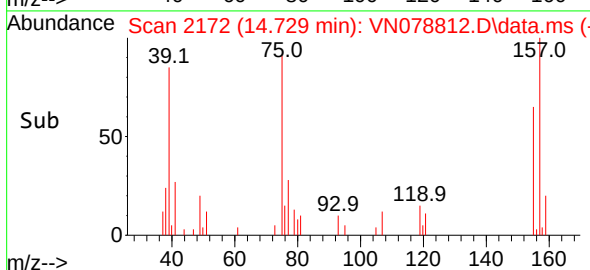
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

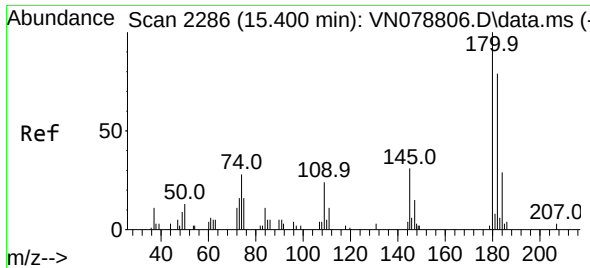


#88
1,2-Dibromo-3-Chloropropane
Concen: 18.259 ug/l
RT: 14.729 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19



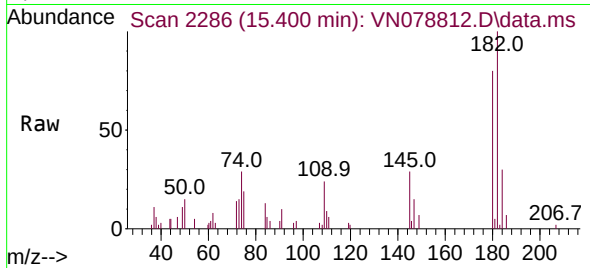
Tgt Ion: 75 Resp: 7351
Ion Ratio Lower Upper
75 100
155 77.9 68.2 102.2
157 102.7 84.7 127.1





#89
1,2,4-Trichlorobenzene
Concen: 16.264 ug/l
RT: 15.400 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

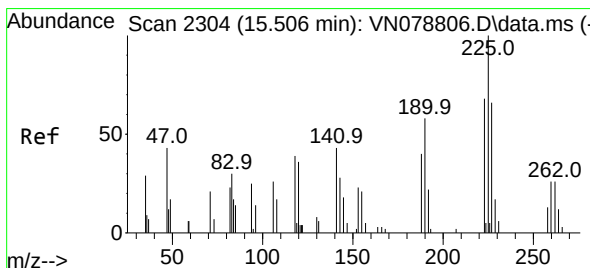
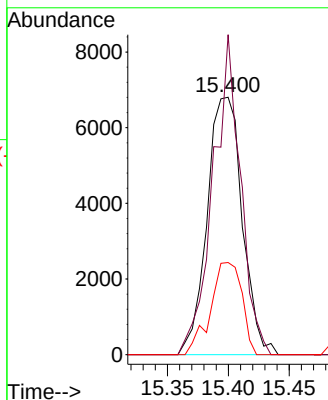
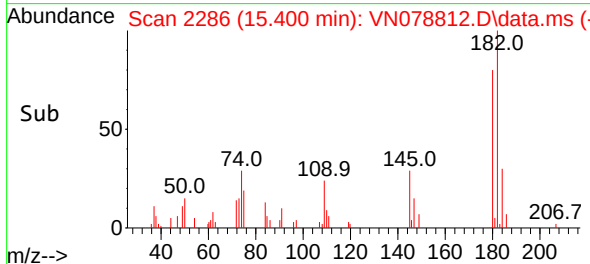
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



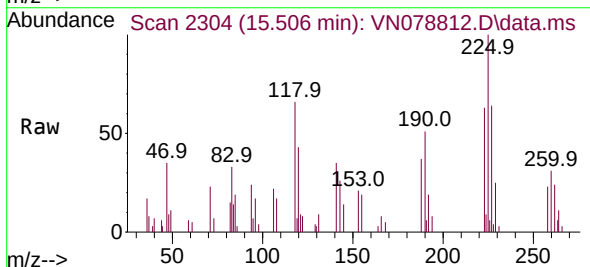
Tgt Ion:180 Resp: 1368
Ion Ratio Lower Upper
180 100
182 97.4 73.7 110.5
145 32.0 25.0 37.6

Manual Integrations
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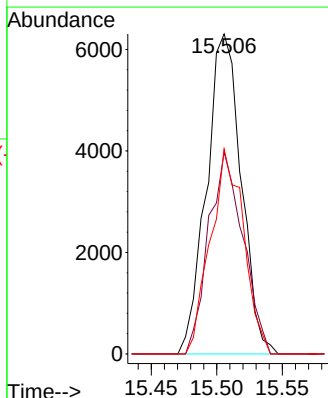
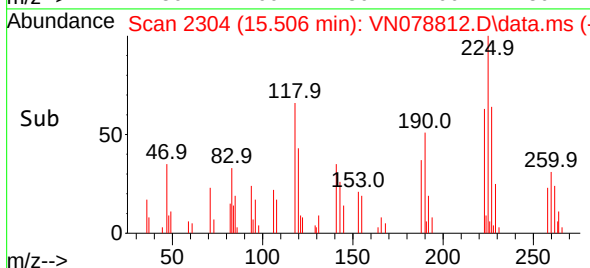
Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

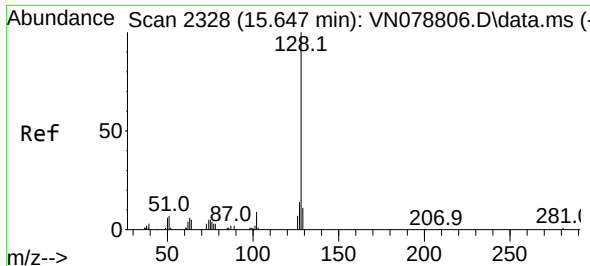


#90
Hexachlorobutadiene
Concen: 18.746 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19



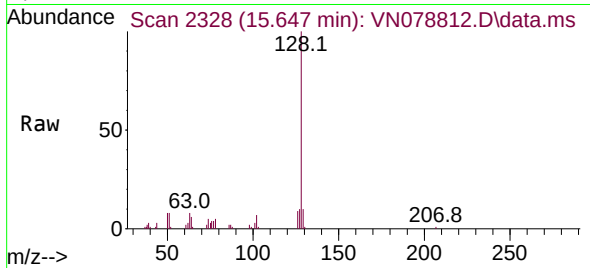
Tgt Ion:225 Resp: 11611
Ion Ratio Lower Upper
225 100
223 62.6 0.0 130.0
227 61.1 0.0 124.0





#91
Naphthalene
Concen: 14.716 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19

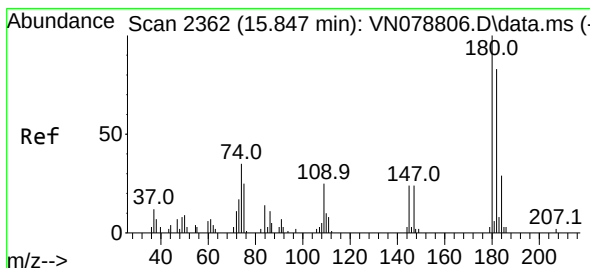
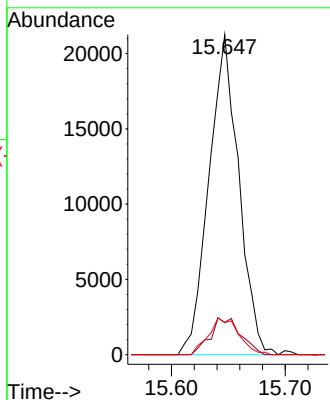
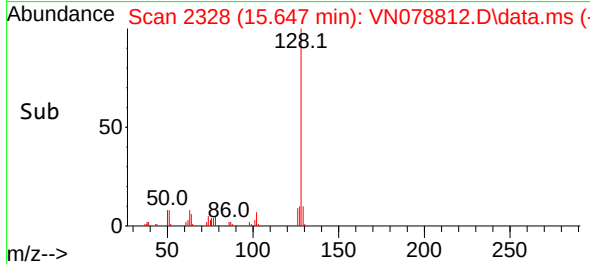
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



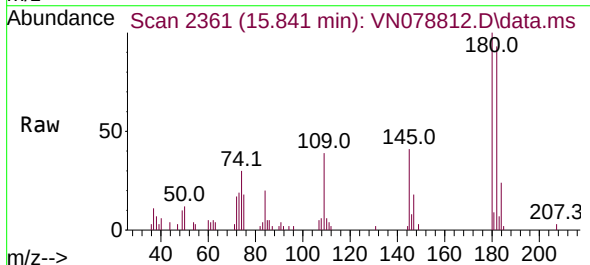
Tgt Ion:128 Resp: 38715
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.2
129 11.7 9.0 13.4

Manual Integrations
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Reviewed By :John Carlone 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#92
1,2,3-Trichlorobenzene
Concen: 16.209 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN078812.D
Acq: 09 Aug 2023 11:19



Tgt Ion:180 Resp: 15994
Ion Ratio Lower Upper
180 100
182 103.1 0.0 196.4
145 42.8 0.0 71.0

