

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101823\
 Data File : VN079605.D
 Acq On : 18 Oct 2023 17:13
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/20/2023

Quant Time: Oct 19 06:17:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	19847	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	142667	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	176595	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	83040	29.428	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.100%		
60) 4-Bromofluorobenzene	12.853	95	98252	30.424	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.400%		
63) Toluene-d8	10.571	98	232637	30.743	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.467%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	55928	19.432	ug/l	97
3) Chloromethane	2.365	50	68833	18.452	ug/l	97
4) Vinyl Chloride	2.518	62	77385	19.221	ug/l	97
5) Bromomethane	2.971	94	42152	16.886	ug/l	95
6) Chloroethane	3.124	64	53880	19.014	ug/l	94
7) Trichlorofluoromethane	3.501	101	97925	19.933	ug/l	98
8) Diethyl Ether	3.965	74	32644	18.334	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	55772	19.843	ug/l	97
10) 1,1-Dichloroethene	4.348	96	49800	18.622	ug/l	98
11) Methyl Iodide	4.595	142	57040	19.265	ug/l	98
12) Methyl Acetate	5.030	43	116146	18.016	ug/l	94
13) Acrolein	4.183	56	52625	98.750	ug/l	98
14) Acrylonitrile	5.724	53	146223	94.714	ug/l	99
15) Acetone	4.430	58	42508	86.918	ug/l	88
16) Carbon Disulfide	4.718	76	151209	18.543	ug/l	99
17) Allyl chloride	5.024	41	72739	17.642	ug/l	96
18) Methylene Chloride	5.289	84	65996	20.050	ug/l	97
19) trans-1,2-Dichloroethene	5.795	96	59230	19.798	ug/l	95
20) Diisopropyl ether	6.677	45	190695	19.506	ug/l	97
21) 1,1-Dichloroethane	6.577	63	116848	19.669	ug/l	99
22) cis-1,2-Dichloroethene	7.494	96	65549	19.022	ug/l	95
23) tert-Butyl Alcohol	5.524	59	36671m	71.033	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	167048	18.617	ug/l	100
25) Chloroform	7.971	83	119326	19.878	ug/l	92
26) Cyclohexane	8.265	56	81625	18.176	ug/l #	96
29) 1,1-Dichloropropene	8.377	75	84379	20.239	ug/l	99
30) 2-Butanone	7.489	43	186041	89.020	ug/l	100
31) 2,2-Dichloropropane	7.494	77	92398	19.656	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	99159	20.010	ug/l	98
33) Carbon Tetrachloride	8.365	117	84681	20.093	ug/l	99
34) Benzene	8.612	78	260332	20.552	ug/l	99
35) Methacrylonitrile	7.788	41	42231	19.210	ug/l	94
36) 1,2-Dichloroethane	8.677	62	94144	20.815	ug/l	100
37) Trichloroethene	9.359	130	59706	20.164	ug/l	100
38) Methylcyclohexane	9.606	83	76976	19.176	ug/l	98
39) 1,2-Dichloropropane	9.630	63	67525	20.200	ug/l	99
40) Dibromomethane	9.712	93	45036	20.529	ug/l	100
41) Bromodichloromethane	9.894	83	94255	20.732	ug/l	98
42) Vinyl Acetate	6.612	43	509367	96.081	ug/l	99

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	81532	20.747	ug/l	97
44) Isopropyl Acetate	8.694	43	122710	17.566	ug/l	96
45) 1,4-Dioxane	9.700	88	18690	341.791	ug/l	97
46) Methyl methacrylate	9.688	41	59939	19.340	ug/l	91
47) n-amyl Acetate	12.500	43	89276	17.707	ug/l	97
48) t-1,3-Dichloropropene	10.841	75	87198	18.972	ug/l	100
49) cis-1,3-Dichloropropene	10.318	75	96762	19.253	ug/l	98
50) 1,1,2-Trichloroethane	11.018	97	62832	20.645	ug/l	95
51) Ethyl methacrylate	10.877	69	75787	18.049	ug/l	97
52) 1,3-Dichloropropane	11.165	76	108326	20.092	ug/l	100
53) Dibromochloromethane	11.365	129	62989	20.251	ug/l	99
54) 1,2-Dibromoethane	11.476	107	58208	19.387	ug/l	94
55) 2-Chloroethyl vinyl ether	10.165	63	135149	84.361	ug/l	98
56) Bromoform	12.576	173	41482	20.159	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	396461	96.252	ug/l	100
59) 2-Hexanone	11.200	43	273456	90.493	ug/l	99
61) Tetrachloroethene	11.106	164	50987	21.029	ug/l	97
62) Toluene	10.635	91	273171	20.240	ug/l	100
64) Chlorobenzene	11.894	112	153121	19.561	ug/l	92
65) 1,1,1,2-Tetrachloroethane	11.965	131	59647	20.004	ug/l	99
66) Ethyl Benzene	11.971	91	269780	19.400	ug/l	98
67) m/p-Xylenes	12.076	106	210771	40.980	ug/l	98
68) o-Xylene	12.406	106	96352	19.596	ug/l	97
69) Styrene	12.412	104	158343	20.286	ug/l	97
70) Isopropylbenzene	12.700	105	250167	19.826	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	89040	19.845	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	77372m	18.989	ug/l	
73) Bromobenzene	12.982	156	59745	20.155	ug/l	99
74) n-propylbenzene	13.041	91	298495	20.319	ug/l	100
75) 2-Chlorotoluene	13.129	91	180700	19.786	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	210492	20.406	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	22320	17.949	ug/l	95
78) 4-Chlorotoluene	13.223	91	171240	19.845	ug/l	99
79) tert-butylbenzene	13.441	119	163555	19.721	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	204220	20.432	ug/l	99
81) sec-Butylbenzene	13.618	105	240786	20.681	ug/l	100
82) p-Isopropyltoluene	13.735	119	185372	20.071	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	97865	20.078	ug/l	99
84) 1,4-Dichlorobenzene	13.818	146	89981	19.256	ug/l	99
85) n-Butylbenzene	14.059	91	139614	19.348	ug/l	98
86) Hexachloroethane	14.335	117	41207	20.638	ug/l	98
87) 1,2-Dichlorobenzene	14.112	146	96136	19.843	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	13013	19.034	ug/l	94
89) 1,2,4-Trichlorobenzene	15.847	180	28442	16.656	ug/l	99
90) Hexachlorobutadiene	15.506	225	23882	19.744	ug/l	93
91) Naphthalene	15.647	128	55646	12.633	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	28442	16.656	ug/l	99

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

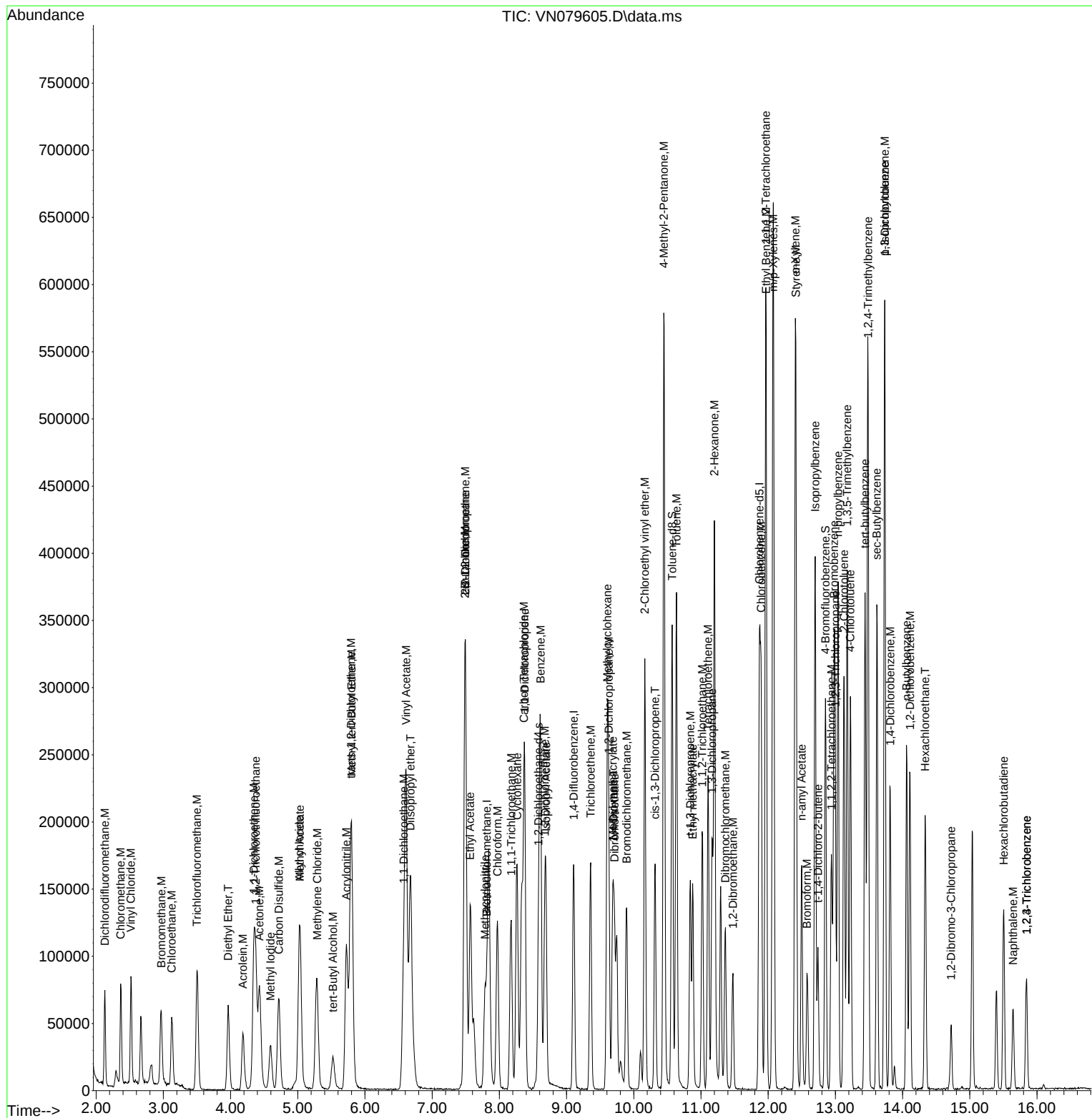
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 ALS Vial : 13 Sample Multiplier: 1

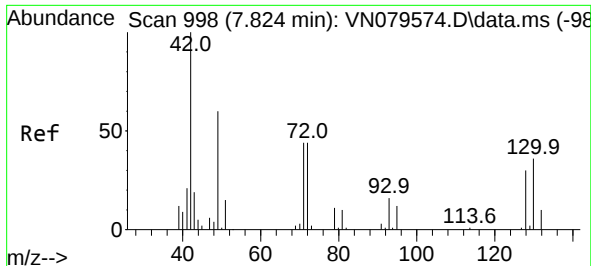
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations APPROVED

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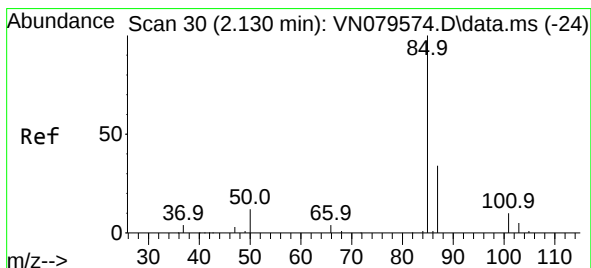
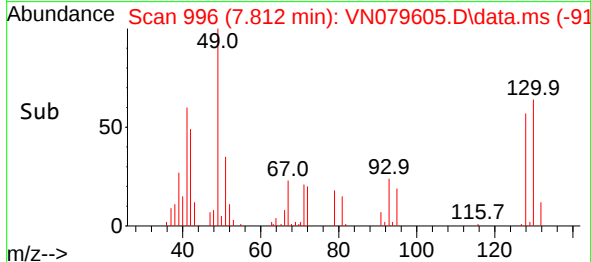
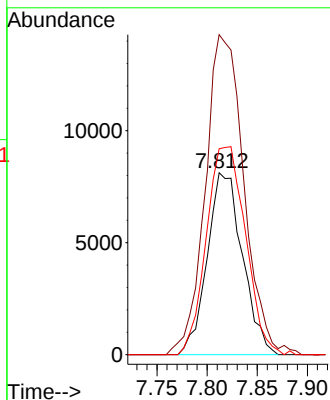
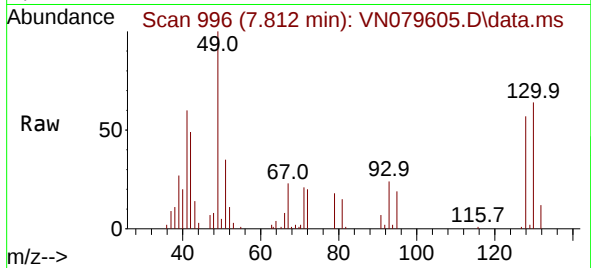
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 1984
Ion Ratio Lower Upper
128 100
49 191.6 0.0 468.5
130 127.3 0.0 320.7

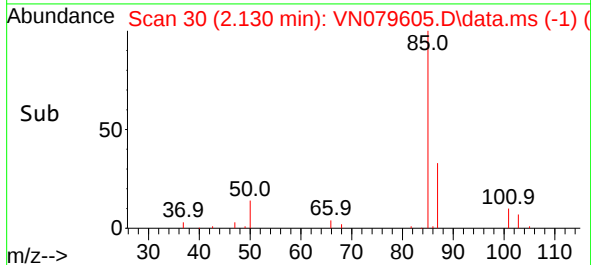
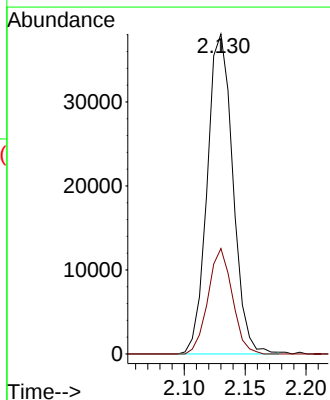
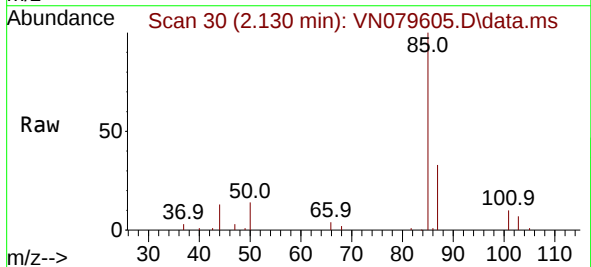
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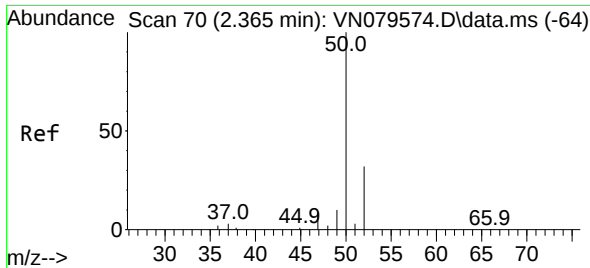
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#2
Dichlorodifluoromethane
Concen: 19.432 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Tgt Ion: 85 Resp: 55928
Ion Ratio Lower Upper
85 100
87 33.0 15.6 46.7





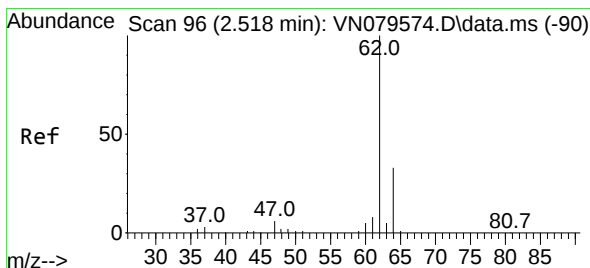
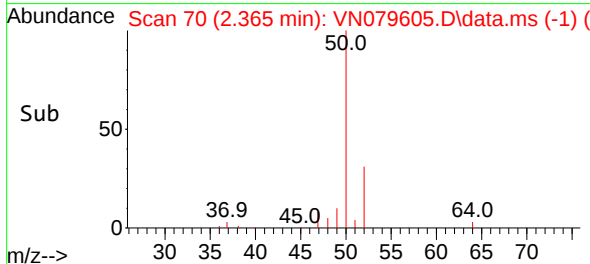
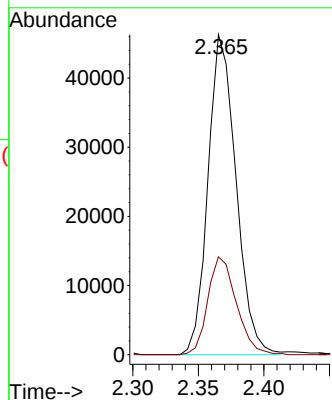
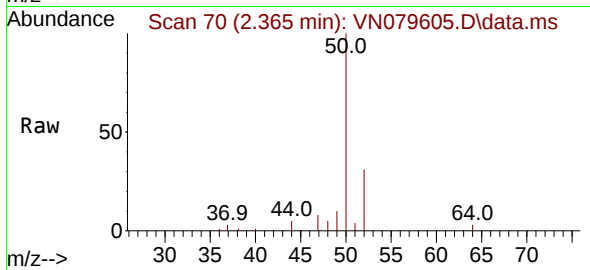
#3
Chloromethane
Concen: 18.452 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 50 Resp: 6883
Ion Ratio Lower Upper
50 100
52 30.6 25.6 38.4

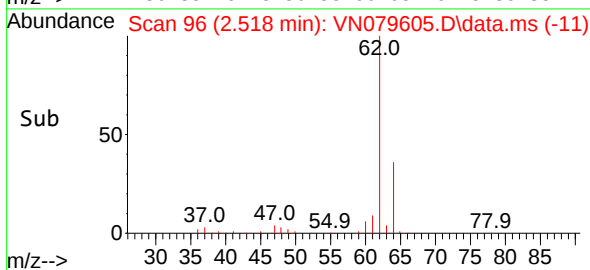
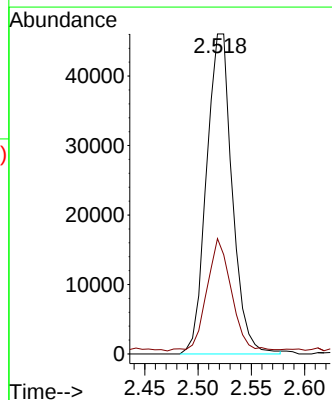
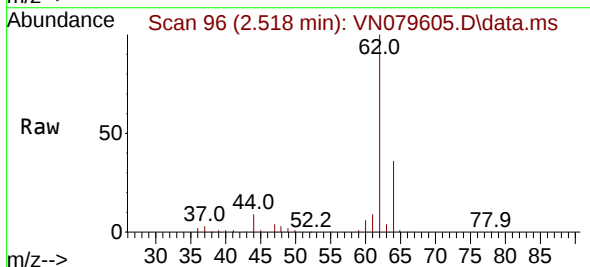
Manual Integrations
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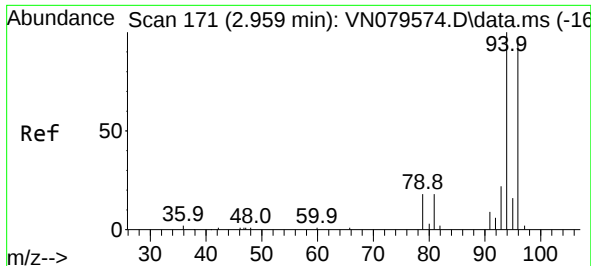
Reviewed By :John Carlone 10/19/2023
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#4
Vinyl Chloride
Concen: 19.221 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

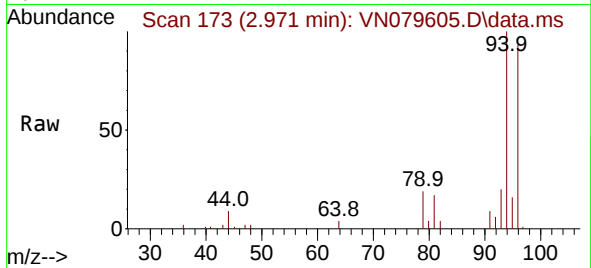
Tgt Ion: 62 Resp: 77385
Ion Ratio Lower Upper
62 100
64 34.7 26.4 39.6





#5
Bromomethane
Concen: 16.886 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.012 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

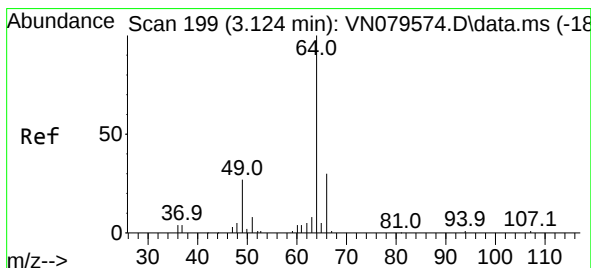
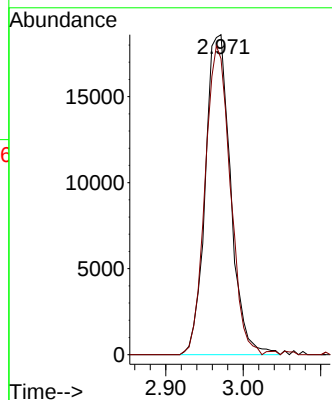
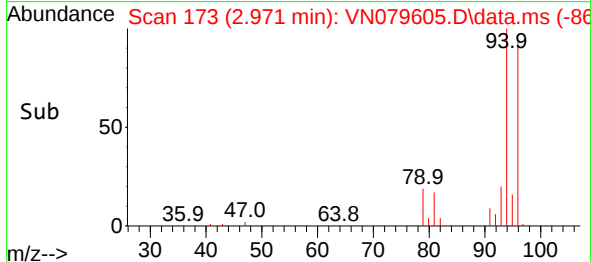
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 94 Resp: 42152
Ion Ratio Lower Upper
94 100
96 92.5 77.8 116.6

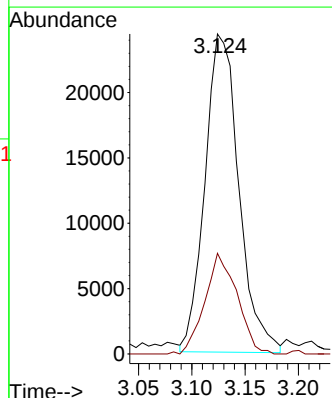
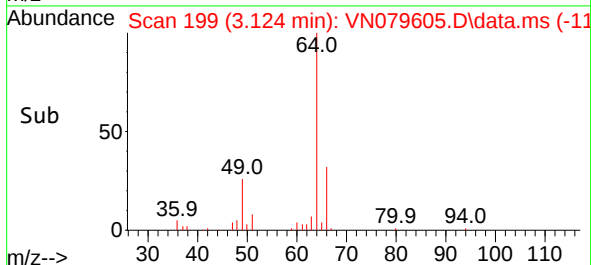
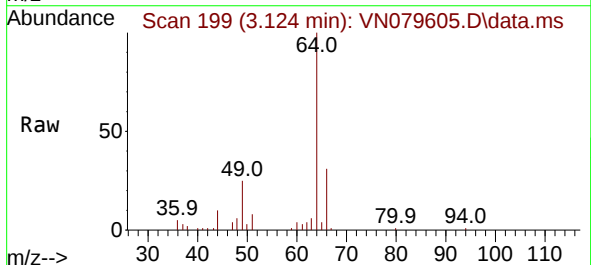
Manual Integrations
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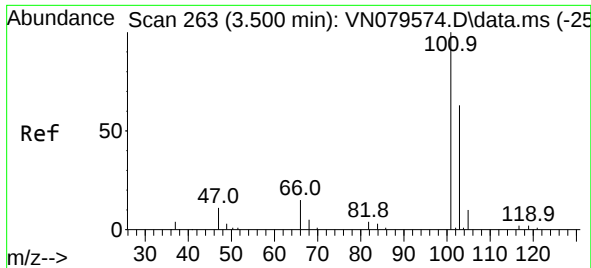
Reviewed By :John Carlone 10/19/2023
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#6
Chloroethane
Concen: 19.014 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

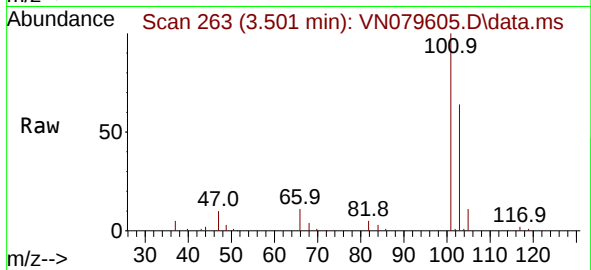
Tgt Ion: 64 Resp: 53880
Ion Ratio Lower Upper
64 100
66 32.3 23.3 34.9





#7
 Trichlorofluoromethane
 Concen: 19.933 ug/l
 RT: 3.501 min Scan# 263
 Delta R.T. 0.000 min
 Lab File: VN079605.D
 Acq: 18 Oct 2023 17:13

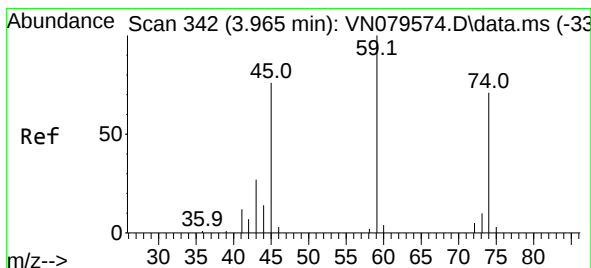
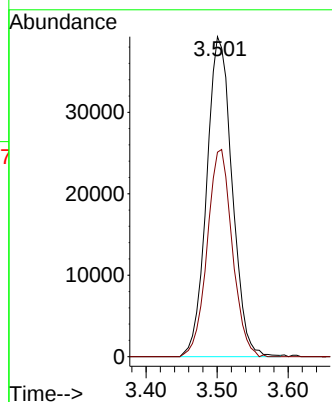
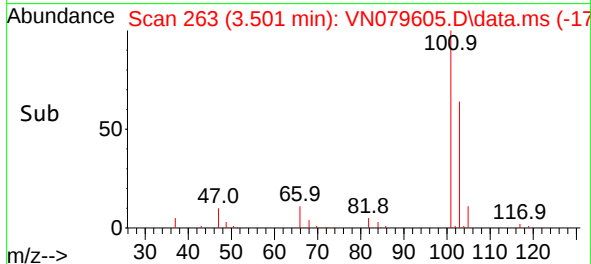
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion:101 Resp: 97925
 Ion Ratio Lower Upper
 101 100
 103 63.9 49.9 74.9

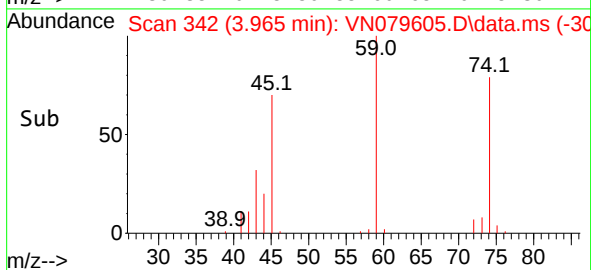
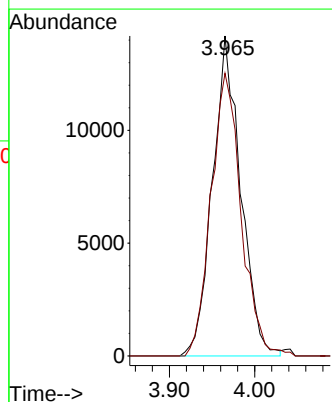
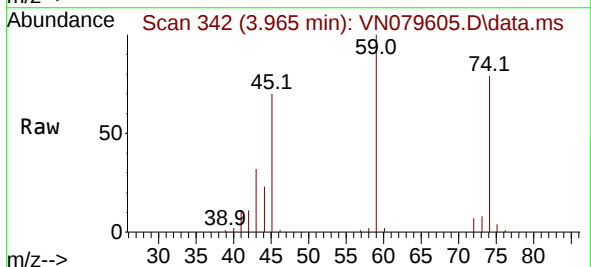
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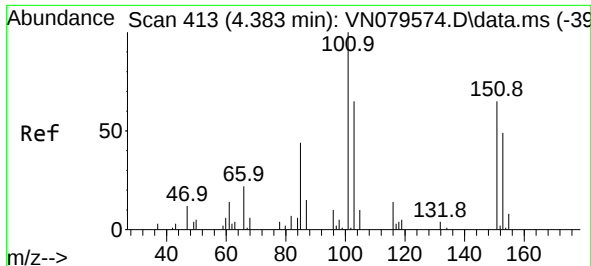
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#8
 Diethyl Ether
 Concen: 18.334 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN079605.D
 Acq: 18 Oct 2023 17:13

Tgt Ion: 74 Resp: 32644
 Ion Ratio Lower Upper
 74 100
 45 93.5 19.0 171.0





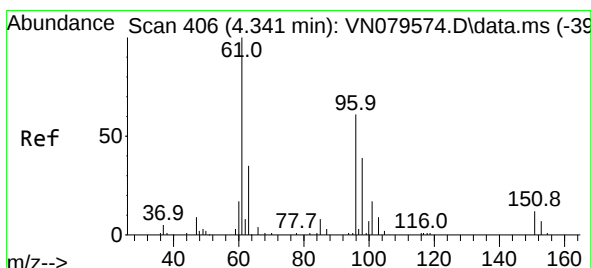
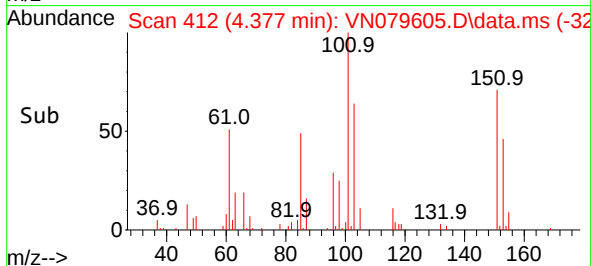
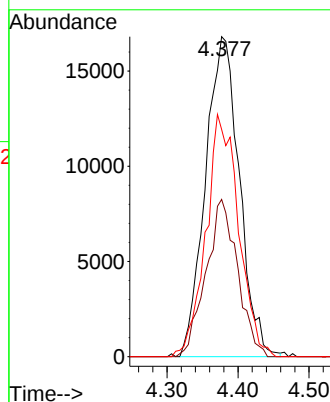
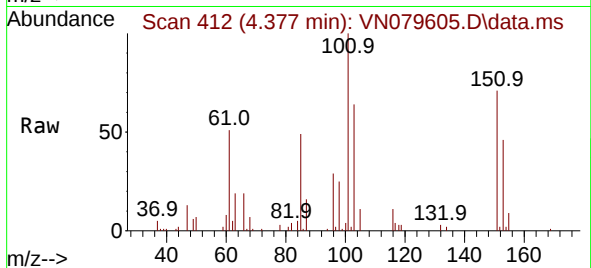
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1,1,2-Trichlorotrifluoroethane
Concen: 19.843 ug/l
RT: 4.377 min Scan# 413
Delta R.T. -0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 55772
Ion Ratio Lower Upper
101 100
85 45.7 0.0 92.0
151 72.4 0.0 138.4

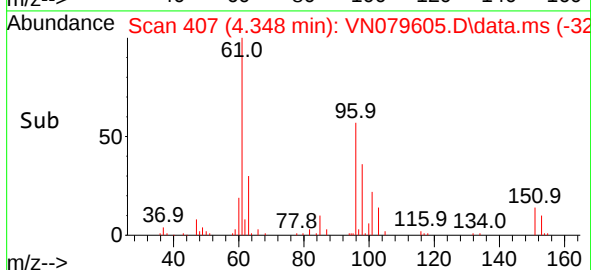
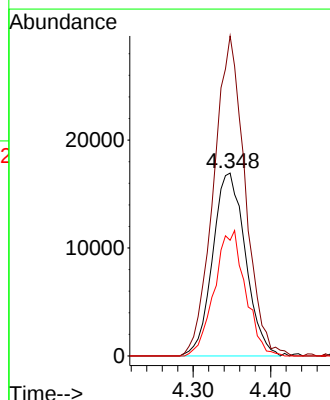
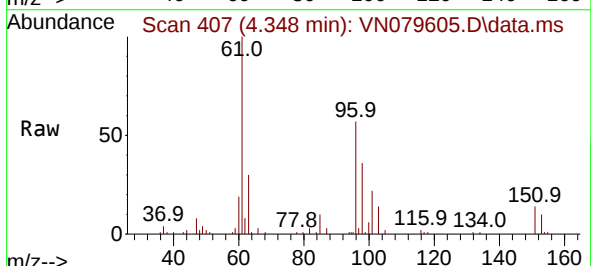
Manual Integrations
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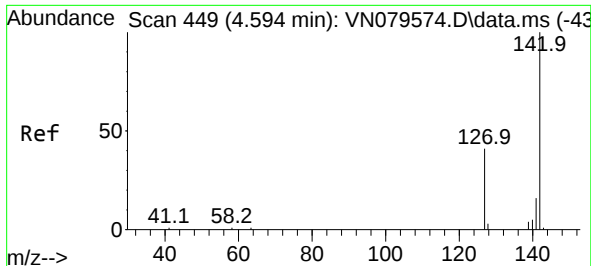
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#10
1,1-Dichloroethene
Concen: 18.622 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Tgt Ion: 96 Resp: 49800
Ion Ratio Lower Upper
96 100
61 175.0 141.3 211.9
98 63.3 53.2 79.8





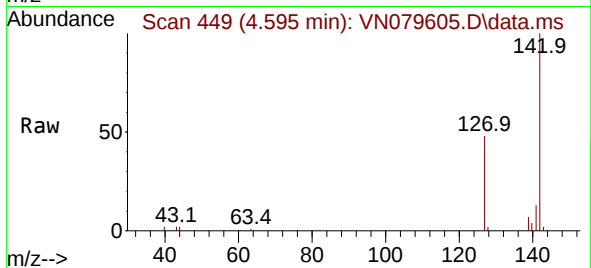
#11
Methyl Iodide
Concen: 19.265 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



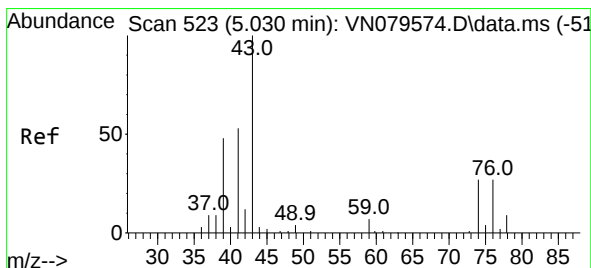
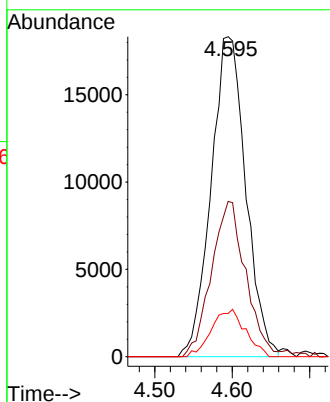
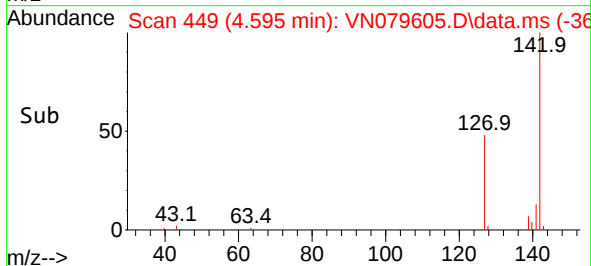
Tgt Ion:142 Resp: 57040
Ion Ratio Lower Upper
142 100
127 48.2 24.6 73.8
141 13.6 7.7 23.1

Manual Integrations

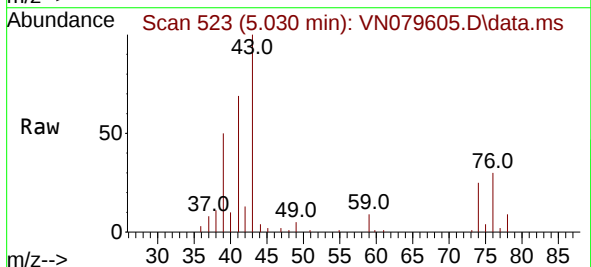
APPROVED

Reviewed By :John Carlone 10/19/2023

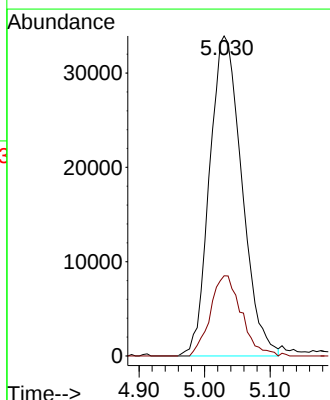
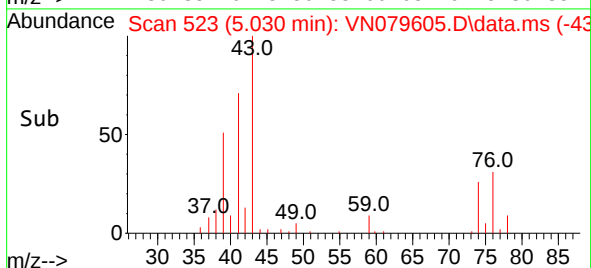
Supervised By :Mahesh Dadoda 10/20/2023

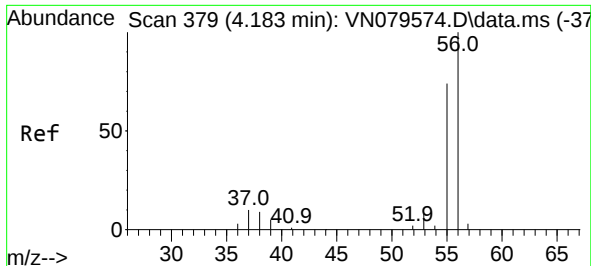


#12
Methyl Acetate
Concen: 18.016 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13



Tgt Ion: 43 Resp: 116146
Ion Ratio Lower Upper
43 100
74 25.3 18.1 27.1





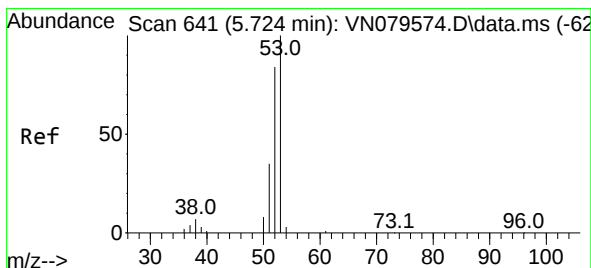
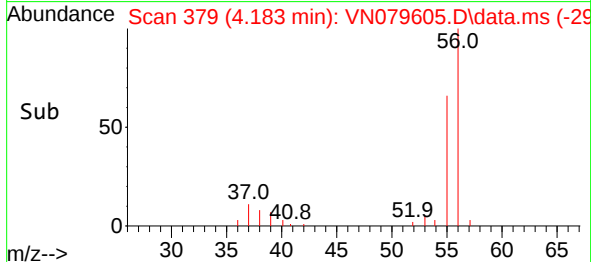
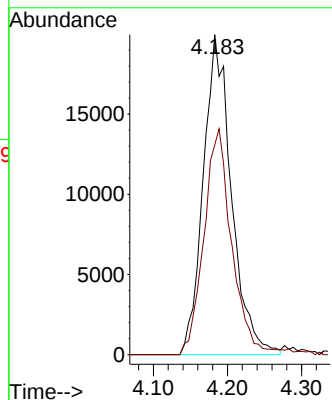
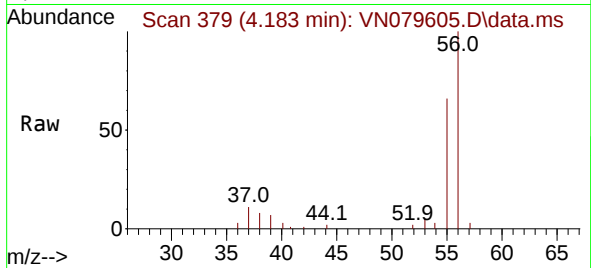
#13
Acrolein
Concen: 98.750 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 56 Resp: 52625
Ion Ratio Lower Upper
56 100
55 69.7 57.1 85.7

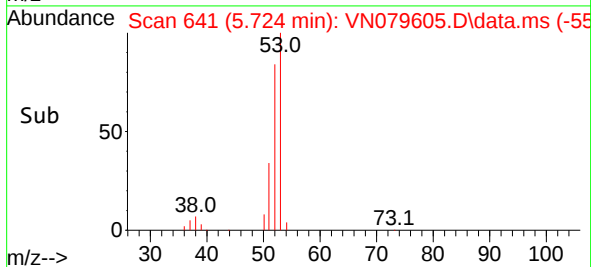
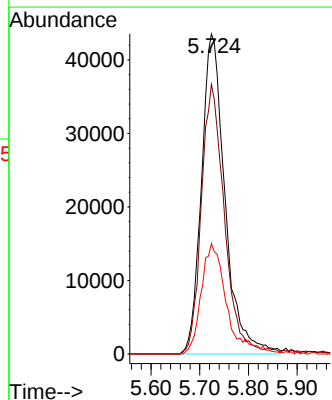
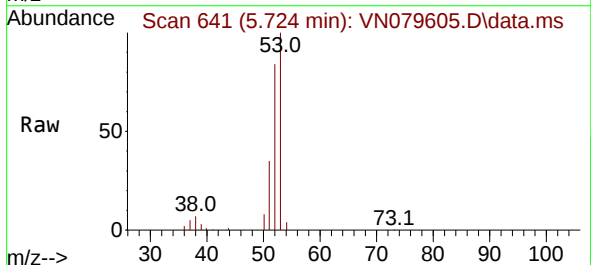
Manual Integrations
APPROVED

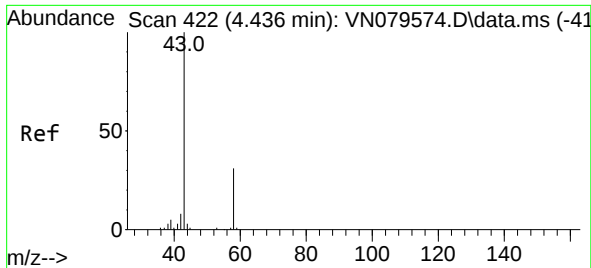
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#14
Acrylonitrile
Concen: 94.714 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Tgt Ion: 53 Resp: 146223
Ion Ratio Lower Upper
53 100
52 81.8 41.6 124.9
51 36.1 17.8 53.3





#15

Acetone

Concen: 86.918 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 42508

Ion Ratio Lower Upper

58 100

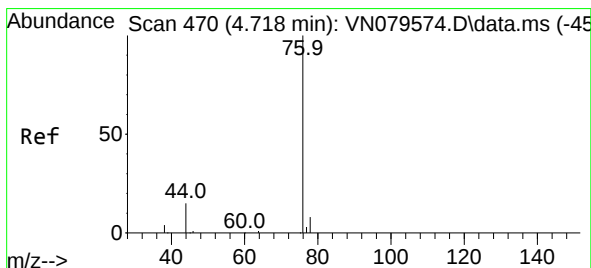
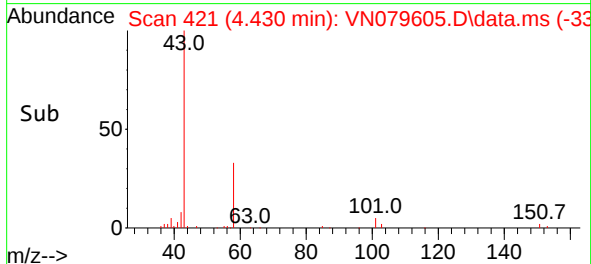
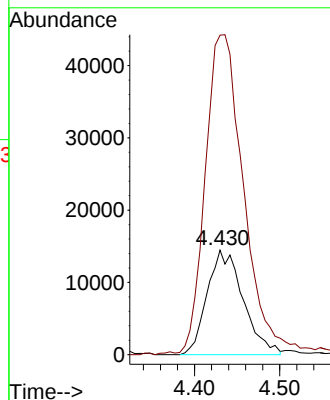
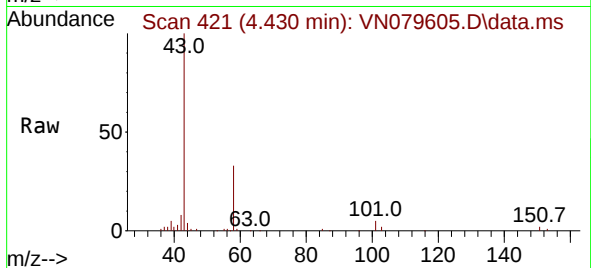
43 303.8 225.2 337.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#16

Carbon Disulfide

Concen: 18.543 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.000 min

Lab File: VN079605.D

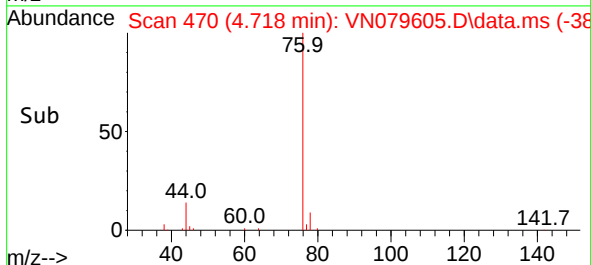
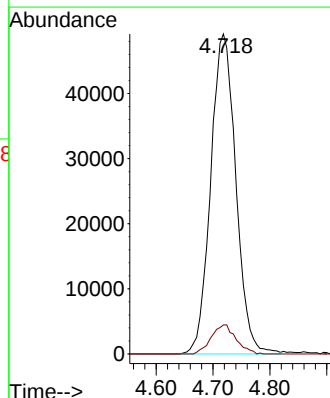
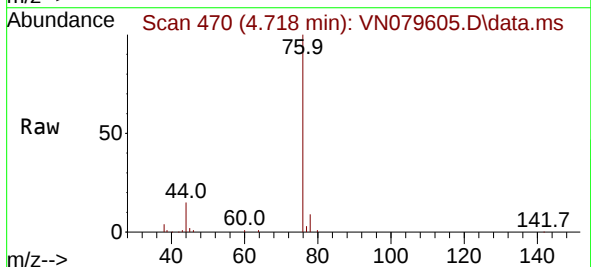
Acq: 18 Oct 2023 17:13

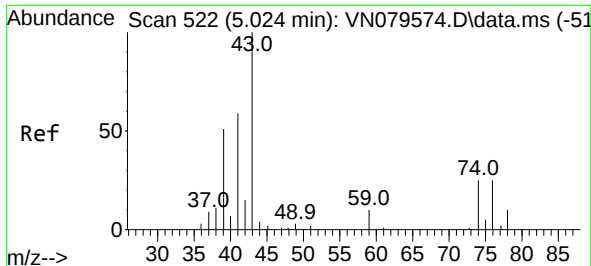
Tgt Ion: 76 Resp: 151209

Ion Ratio Lower Upper

76 100

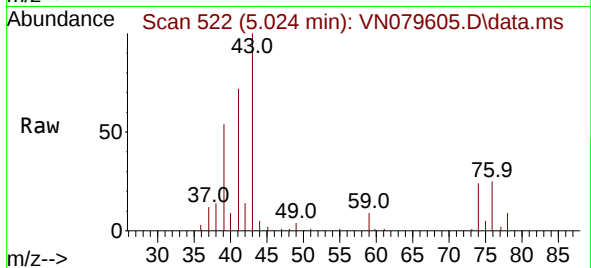
78 9.1 7.5 11.3





#17
 Allyl chloride
 Concen: 17.642 ug/l
 RT: 5.024 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN079605.D
 Acq: 18 Oct 2023 17:13

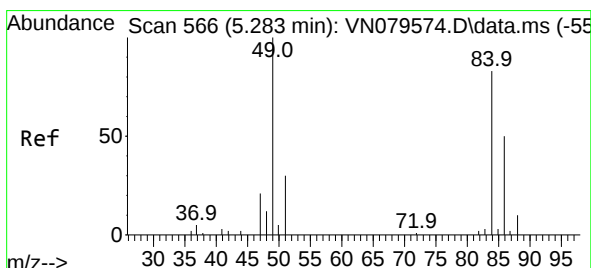
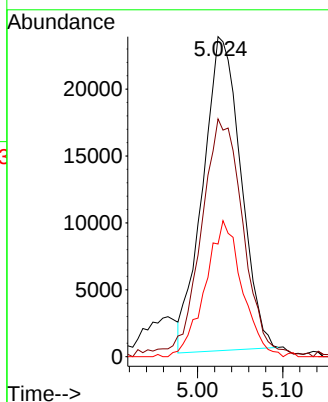
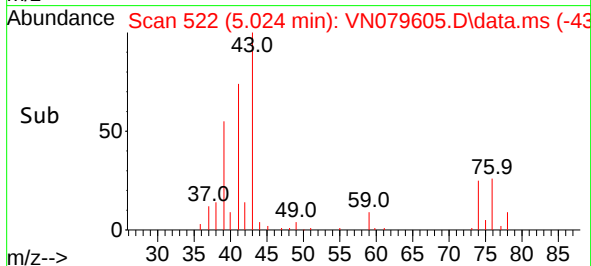
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 41 Resp: 72739
 Ion Ratio Lower Upper
 41 100
 39 74.1 38.4 115.2
 76 34.8 19.5 58.5

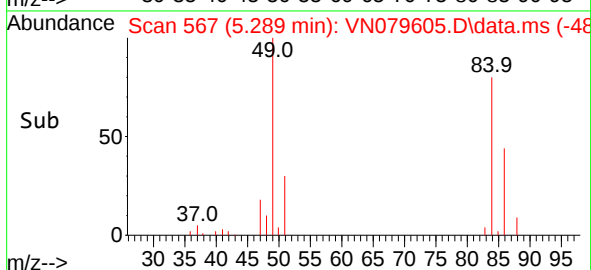
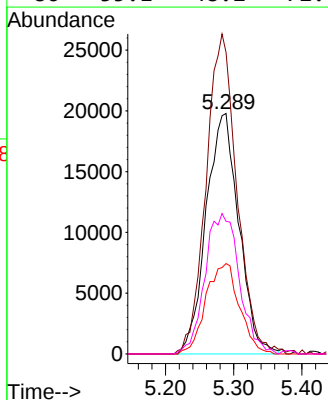
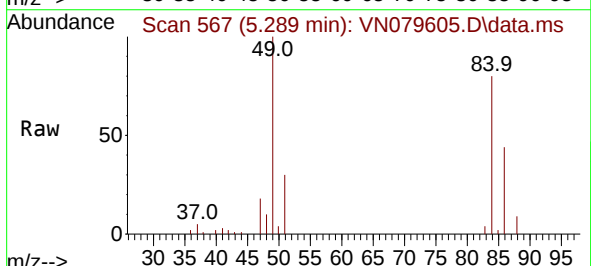
Manual Integrations
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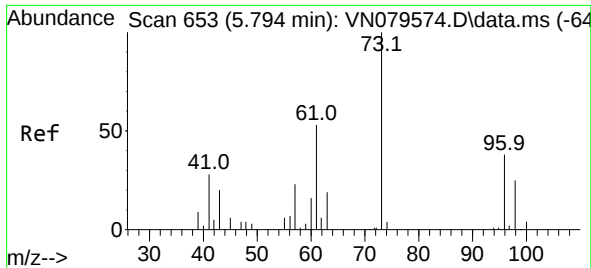
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#18
 Methylene Chloride
 Concen: 20.050 ug/l
 RT: 5.289 min Scan# 567
 Delta R.T. 0.006 min
 Lab File: VN079605.D
 Acq: 18 Oct 2023 17:13

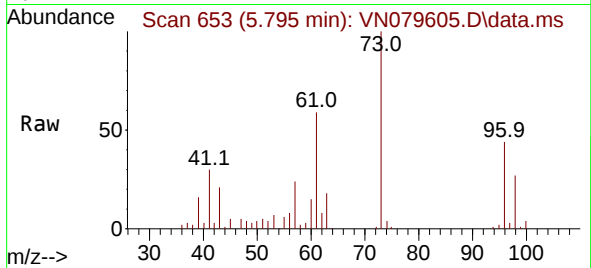
Tgt Ion: 84 Resp: 65996
 Ion Ratio Lower Upper
 84 100
 49 123.9 100.9 151.3
 51 37.6 29.4 44.2
 86 55.1 48.2 72.4





#19
trans-1,2-Dichloroethene
Concen: 19.798 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

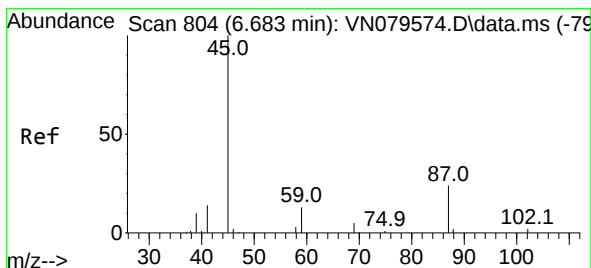
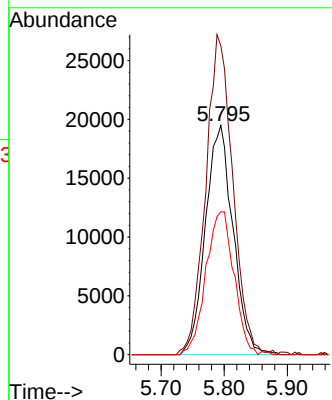
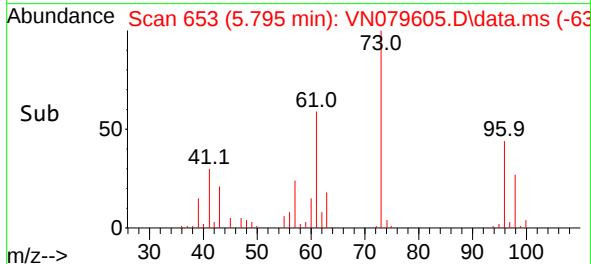
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



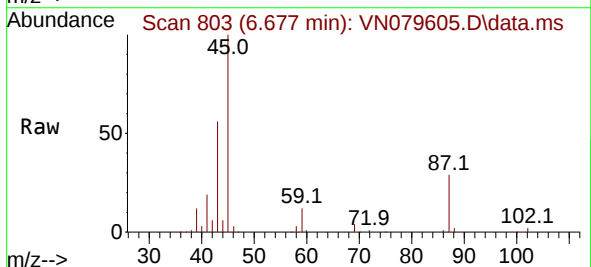
Tgt Ion: 96 Resp: 59230
Ion Ratio Lower Upper
96 100
61 133.6 113.4 170.0
98 62.4 50.4 75.6

Manual Integrations
APPROVED

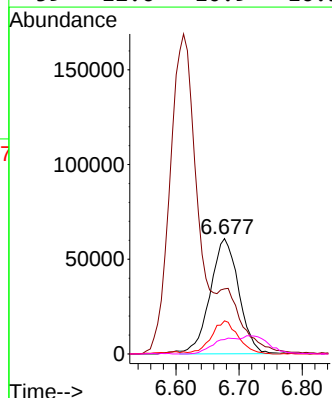
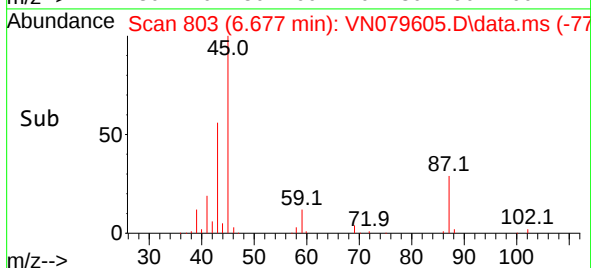
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

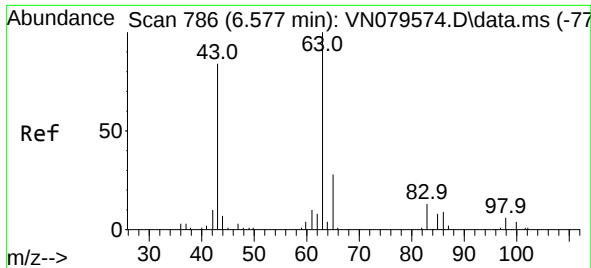


#20
Diisopropyl ether
Concen: 19.506 ug/l
RT: 6.677 min Scan# 803
Delta R.T. -0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13



Tgt Ion: 45 Resp: 190695
Ion Ratio Lower Upper
45 100
43 53.7 42.1 63.1
87 28.8 20.5 30.7
59 12.6 10.9 16.3





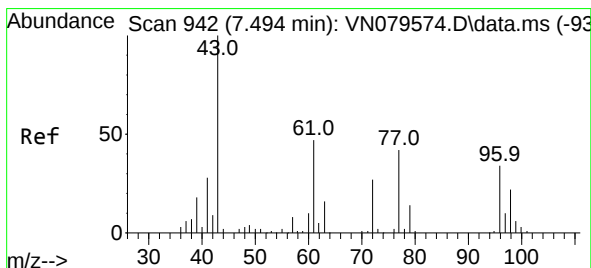
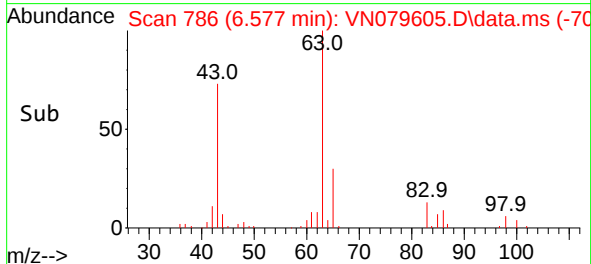
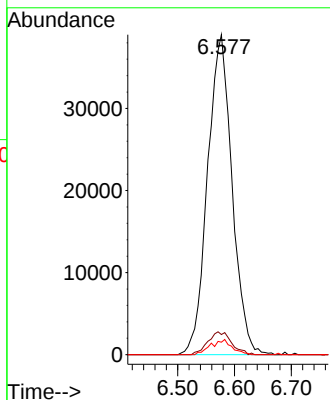
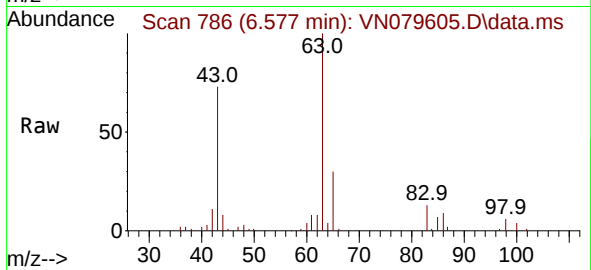
#21
1,1-Dichloroethane
Concen: 19.669 ug/l
RT: 6.577 min Scan# 786
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 11684
Ion Ratio Lower Upper
63 100
98 6.3 2.8 8.4
100 3.9 1.9 5.7

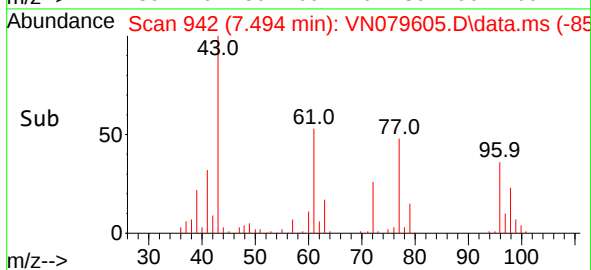
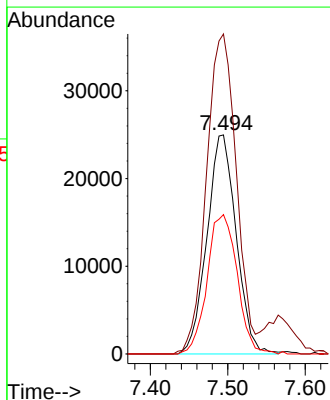
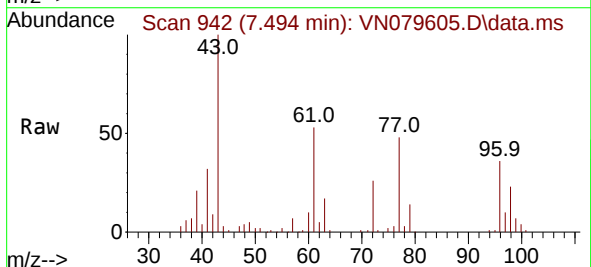
Manual Integrations
APPROVED

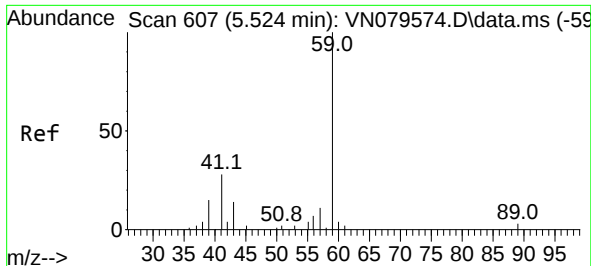
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#22
cis-1,2-Dichloroethene
Concen: 19.022 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

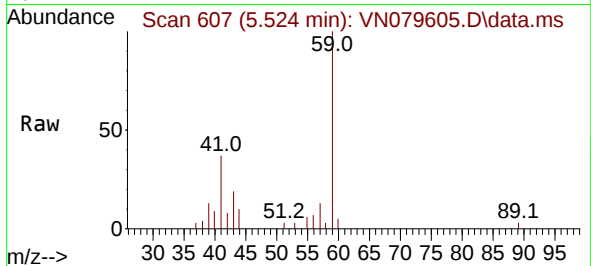
Tgt Ion: 96 Resp: 65549
Ion Ratio Lower Upper
96 100
61 148.7 124.6 186.8
98 65.3 54.2 81.4





#23
tert-Butyl Alcohol
Concen: 71.033 ug/l m
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

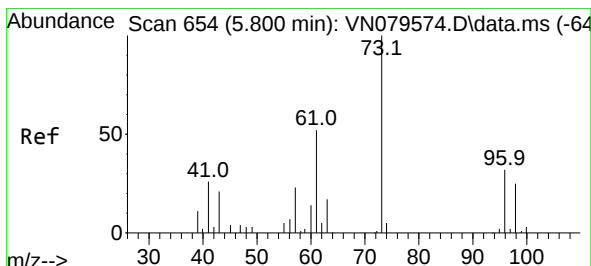
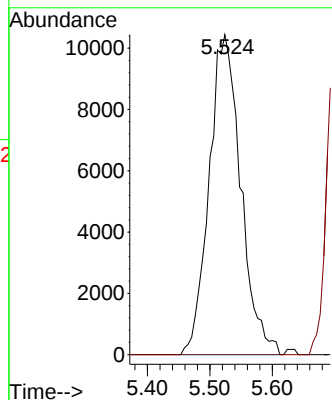
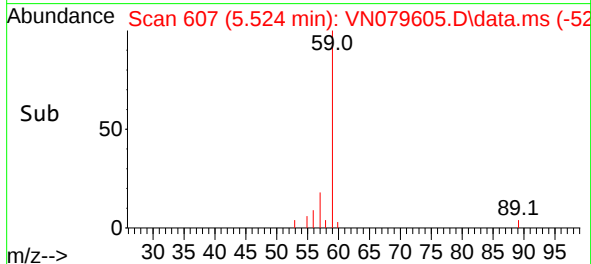
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



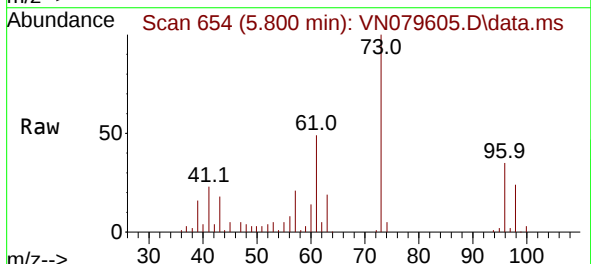
Tgt Ion: 59 Resp: 3667
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
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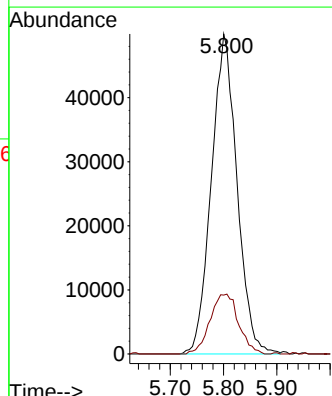
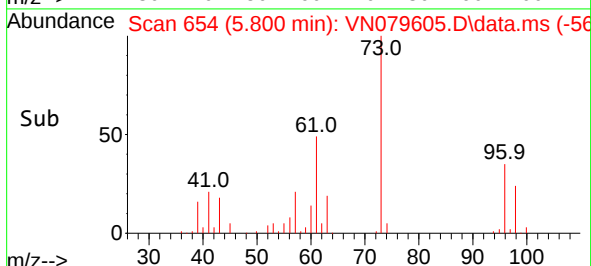
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

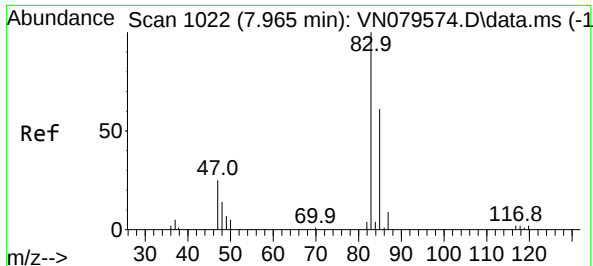


#24
Methyl tert-Butyl Ether
Concen: 18.617 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13



Tgt Ion: 73 Resp: 167048
Ion Ratio Lower Upper
73 100
43 20.7 16.6 24.8





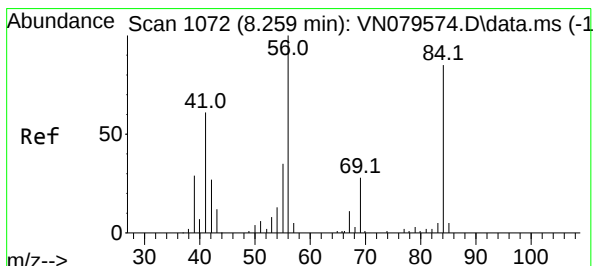
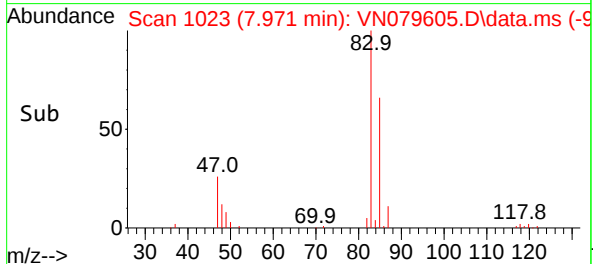
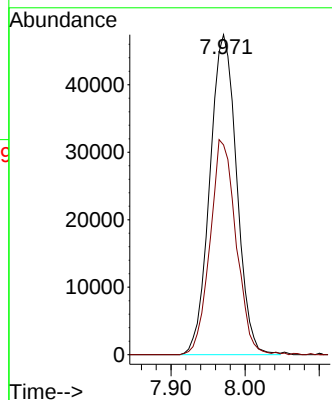
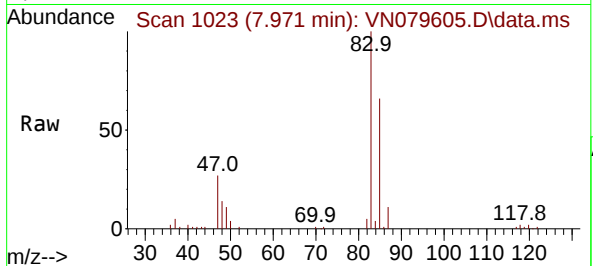
#25
Chloroform
Concen: 19.878 ug/l
RT: 7.971 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 119320
Ion Ratio Lower Upper
83 100
85 65.5 47.4 71.2

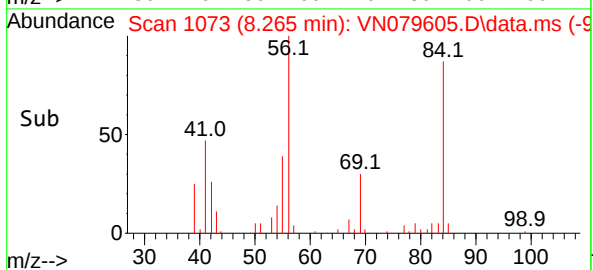
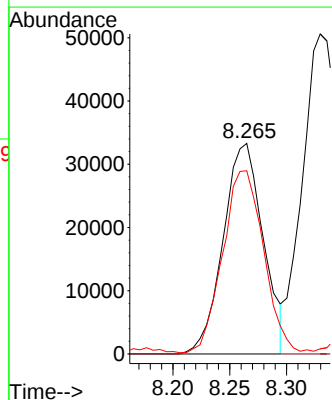
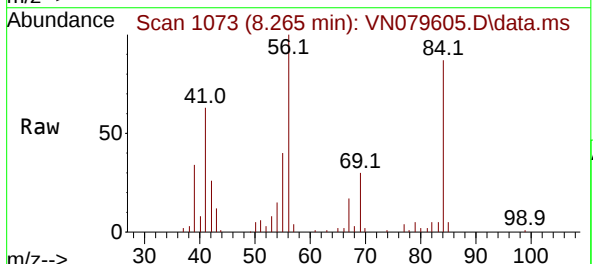
Manual Integrations
APPROVED

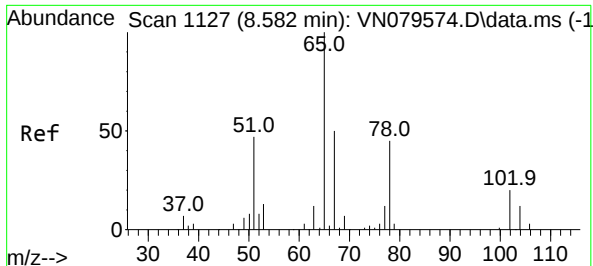
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#26
Cyclohexane
Concen: 18.176 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. 0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

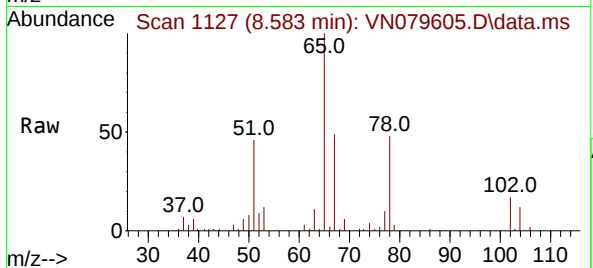
Tgt Ion: 56 Resp: 81625
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 89.6 69.0 103.4





#27
1,2-Dichloroethane-d4
Concen: 29.428 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

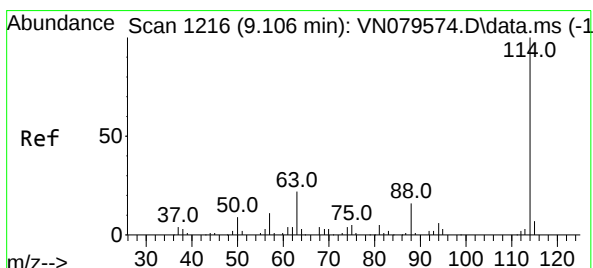
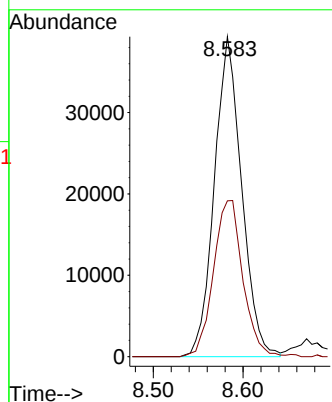
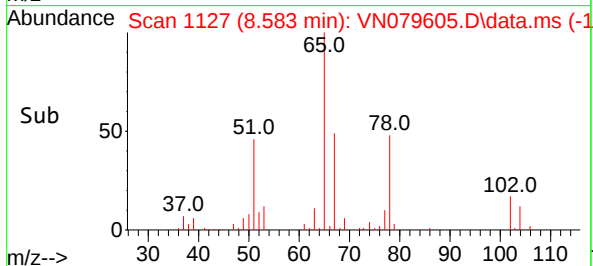
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



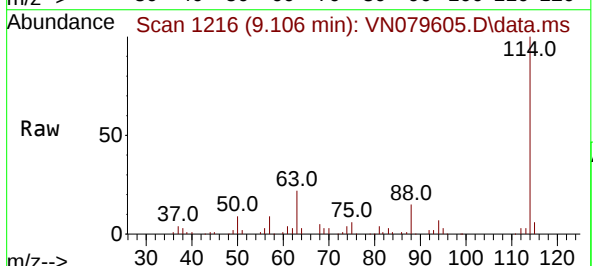
Tgt Ion: 65 Resp: 83040
Ion Ratio Lower Upper
65 100
67 52.5 42.1 63.1

Manual Integrations
APPROVED

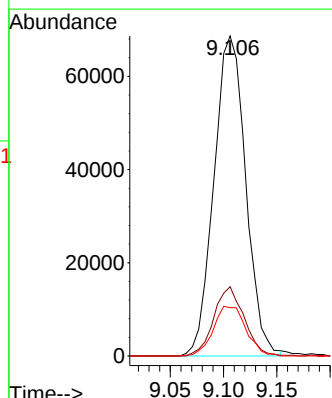
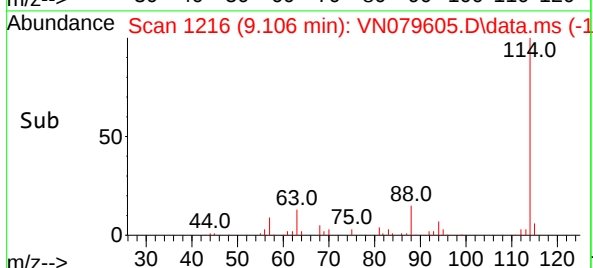
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

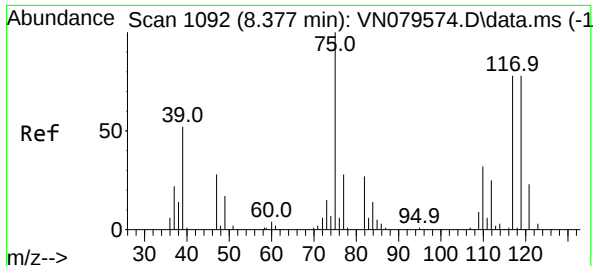


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13



Tgt Ion:114 Resp: 142667
Ion Ratio Lower Upper
114 100
63 20.5 18.1 27.1
88 15.9 12.2 18.2





#29
1,1-Dichloropropene
Concen: 20.239 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

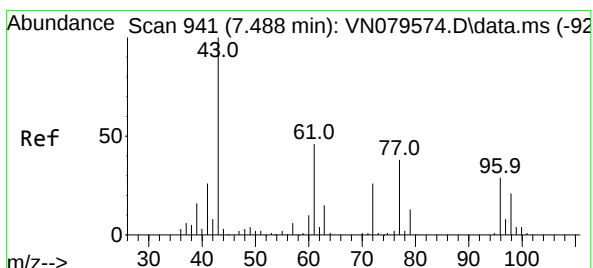
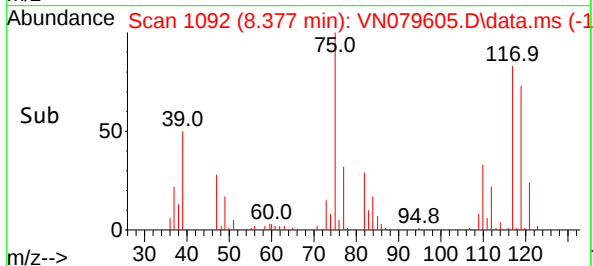
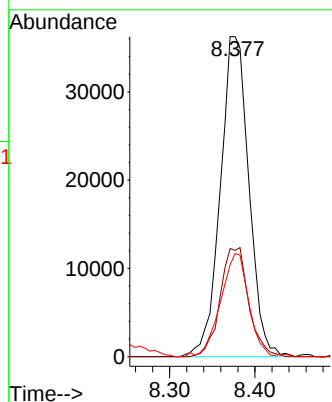
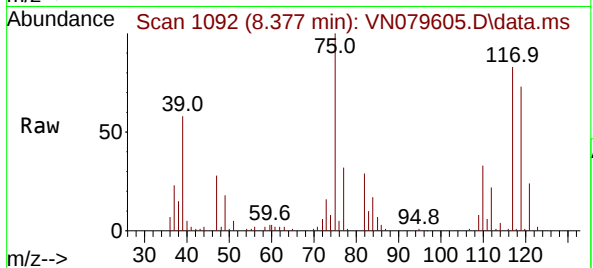
Tgt Ion: 75 Resp: 84379
Ion Ratio Lower Upper
75 100
110 33.9 0.0 66.8
77 31.5 0.0 61.2

Manual Integrations

APPROVED

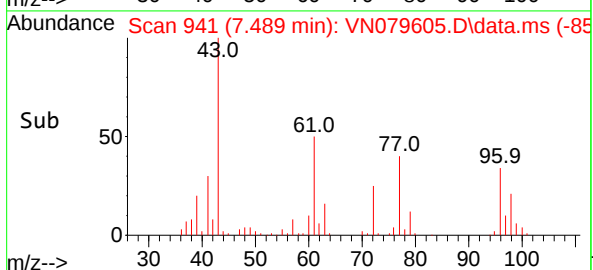
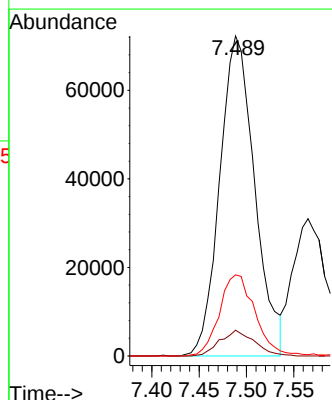
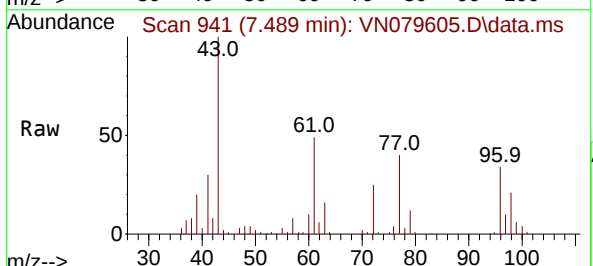
Reviewed By :John Carlone 10/19/2023

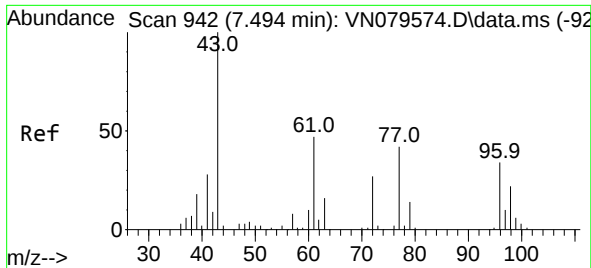
Supervised By :Mahesh Dadoda 10/20/2023



#30
2-Butanone
Concen: 89.020 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

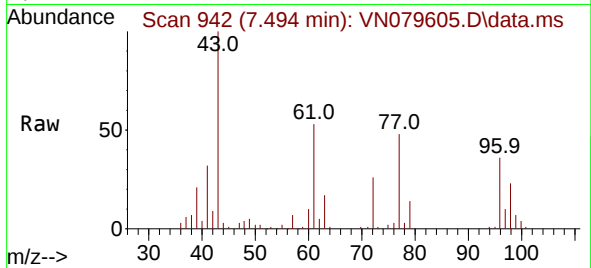
Tgt Ion: 43 Resp: 186041
Ion Ratio Lower Upper
43 100
57 7.9 6.4 9.6
72 25.8 20.7 31.1





#31
2,2-Dichloropropane
Concen: 19.656 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

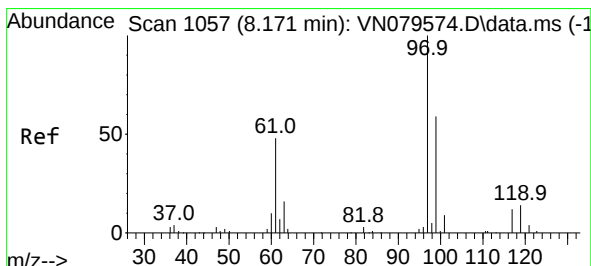
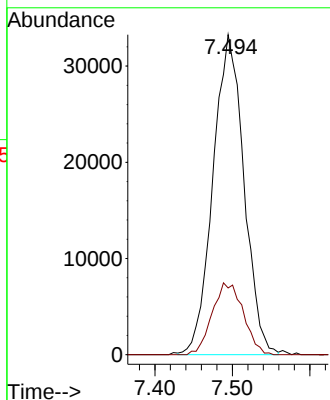
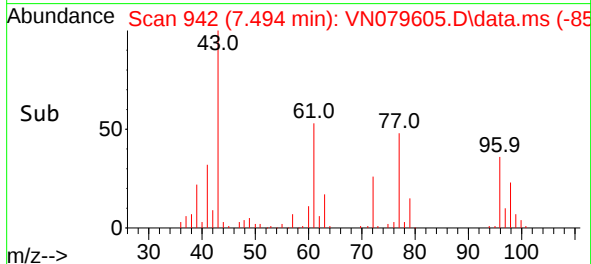
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



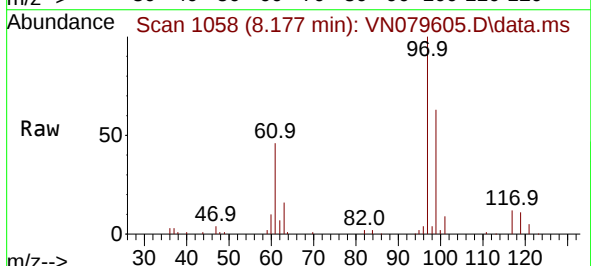
Tgt Ion: 77 Resp: 92398
Ion Ratio Lower Upper
77 100
97 22.5 17.9 26.9

Manual Integrations
APPROVED

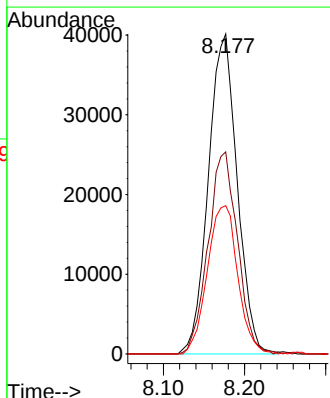
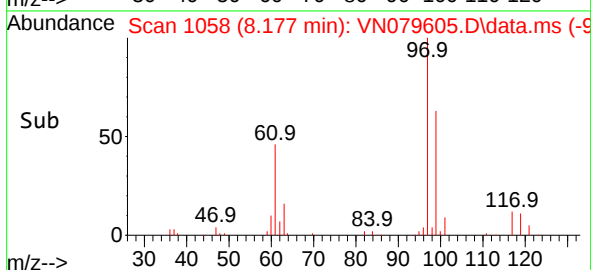
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

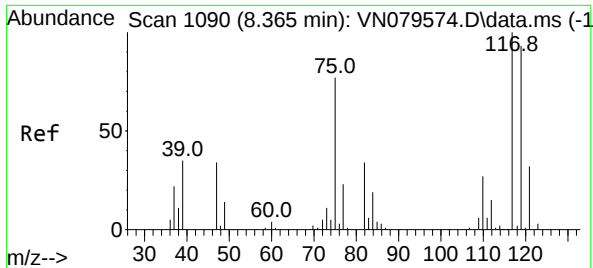


#32
1,1,1-Trichloroethane
Concen: 20.010 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13



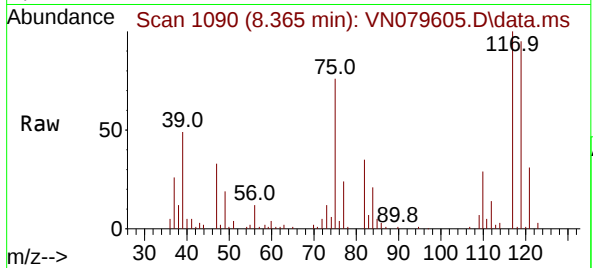
Tgt Ion: 97 Resp: 99159
Ion Ratio Lower Upper
97 100
99 64.1 51.9 77.9
61 48.8 37.6 56.4





#33
Carbon Tetrachloride
Concen: 20.093 ug/l
RT: 8.365 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

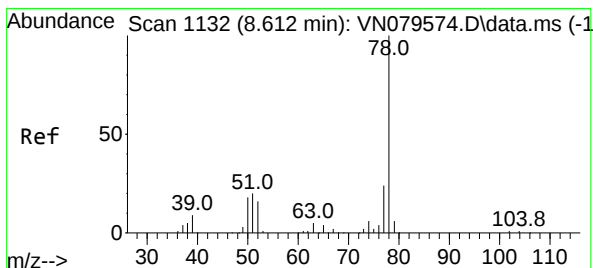
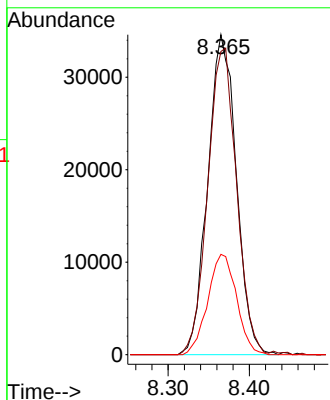
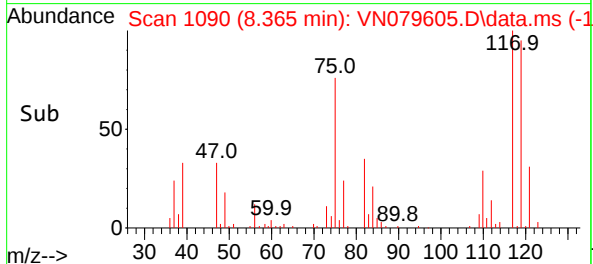
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



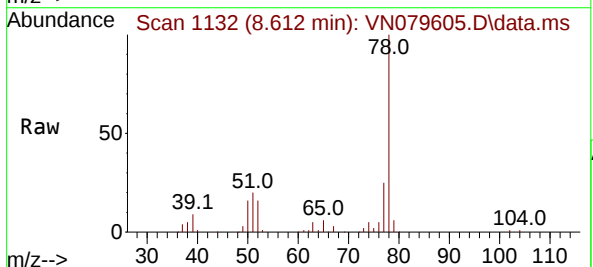
Tgt Ion:117 Resp: 8468
Ion Ratio Lower Upper
117 100
119 94.8 75.0 112.6
121 31.4 24.3 36.5

Manual Integrations
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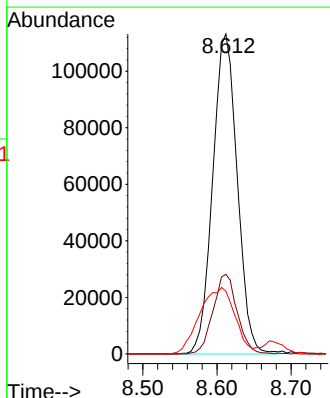
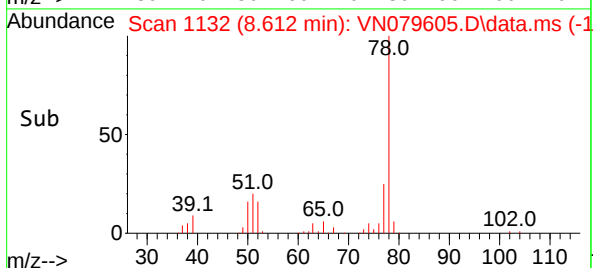
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

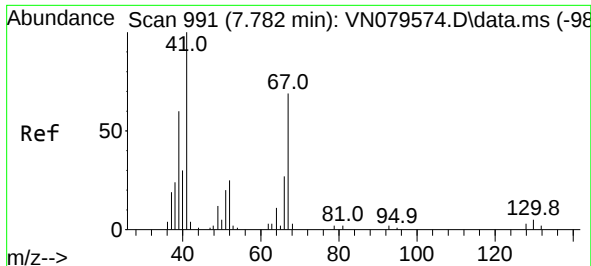


#34
Benzene
Concen: 20.552 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13



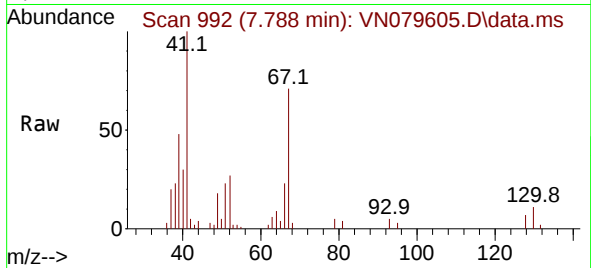
Tgt Ion: 78 Resp: 260332
Ion Ratio Lower Upper
78 100
77 24.8 19.7 29.5
51 19.0 15.8 23.6





#35
Methacrylonitrile
Concen: 19.210 ug/l
RT: 7.788 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

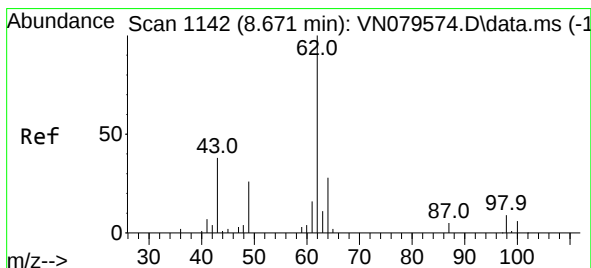
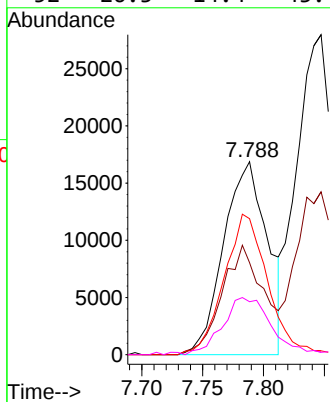
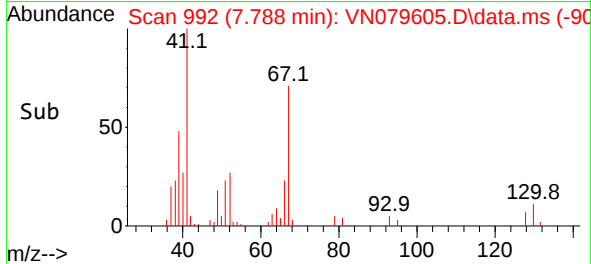
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 4223
Ion Ratio Lower Upper
41 100
39 47.7 26.3 78.8
67 70.5 37.5 112.3
52 26.3 14.4 43.4

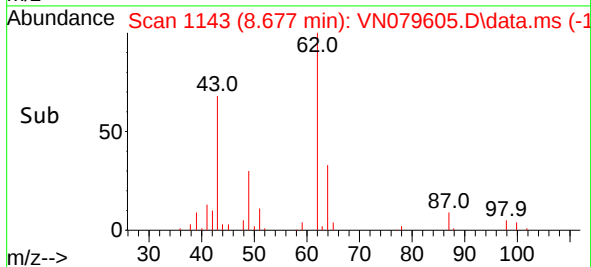
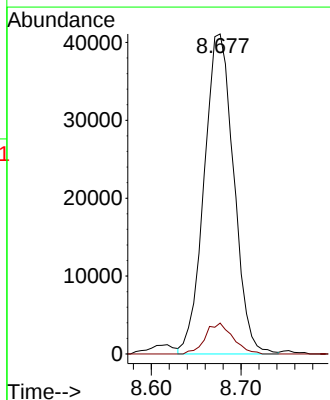
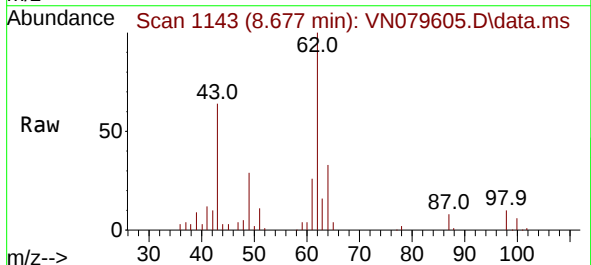
Manual Integrations
APPROVED

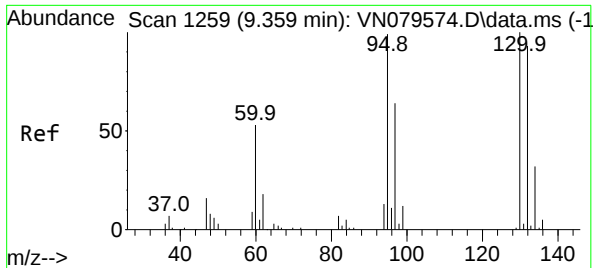
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#36
1,2-Dichloroethane
Concen: 20.815 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Tgt Ion: 62 Resp: 94144
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8





#37

Trichloroethene

Concen: 20.164 ug/l

RT: 9.359 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:130 Resp: 59700

Ion Ratio Lower Upper

130 100

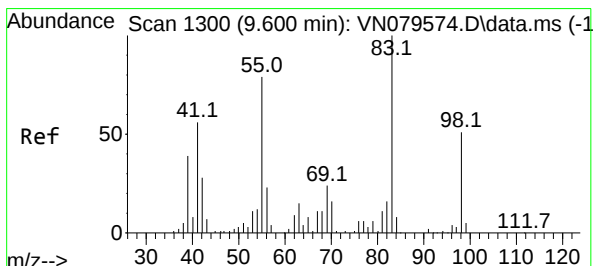
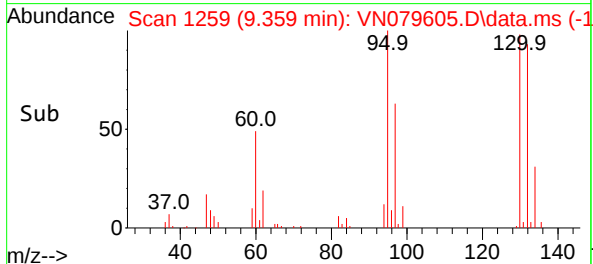
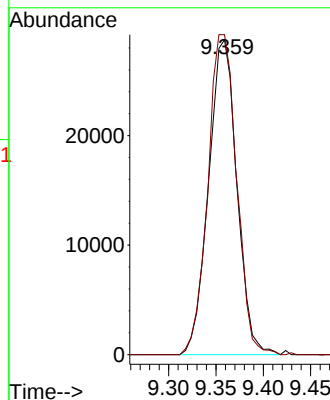
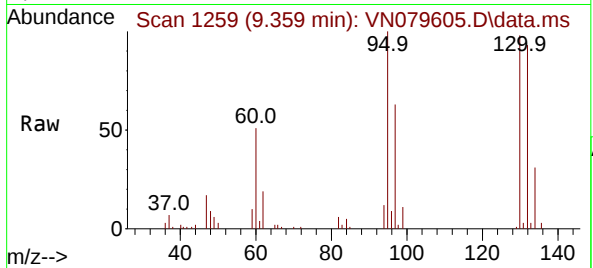
95 101.6 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#38

Methylcyclohexane

Concen: 19.176 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

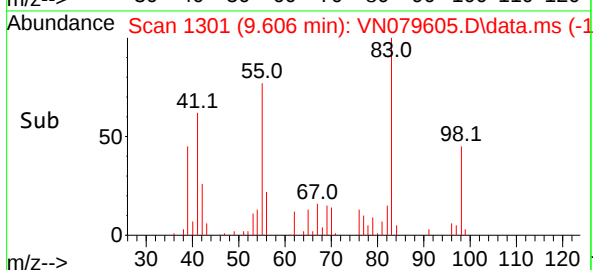
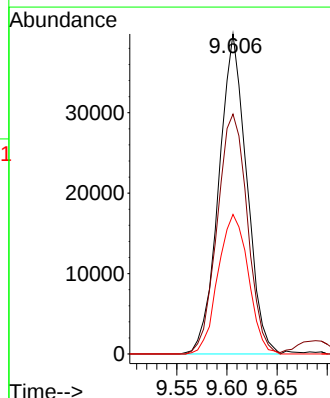
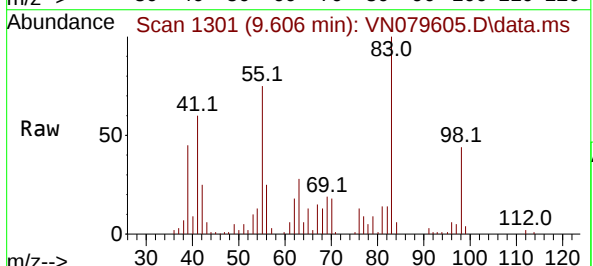
Tgt Ion: 83 Resp: 76976

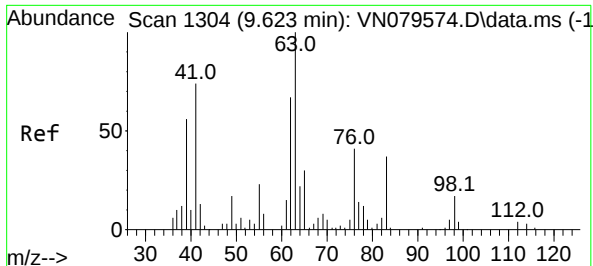
Ion Ratio Lower Upper

83 100

55 81.0 39.7 119.1

98 47.2 24.4 73.2





#39

1,2-Dichloropropane

Concen: 20.200 ug/l

RT: 9.630 min Scan# 1305

Delta R.T. 0.006 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDC020EC

Tgt Ion: 63 Resp: 6752

Ion Ratio Lower Upper

63 100

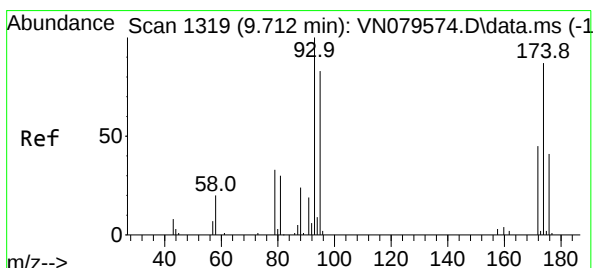
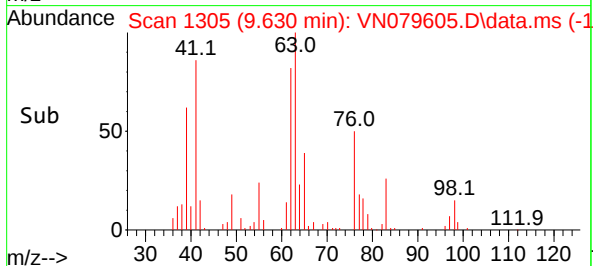
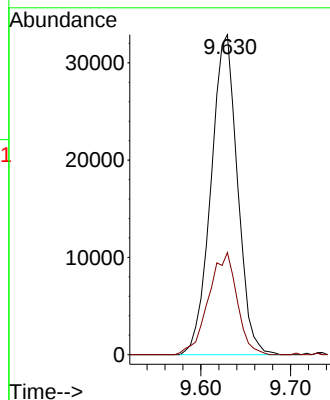
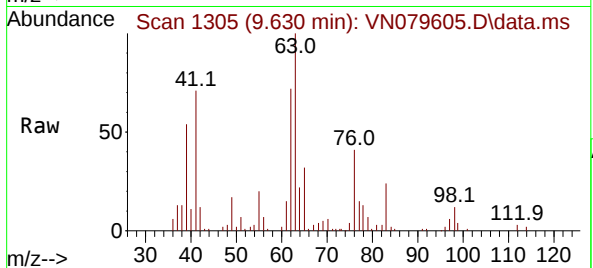
65 31.9 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#40

Dibromomethane

Concen: 20.529 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

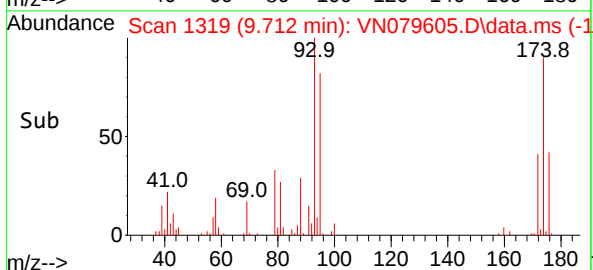
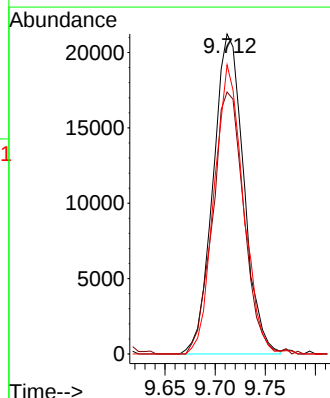
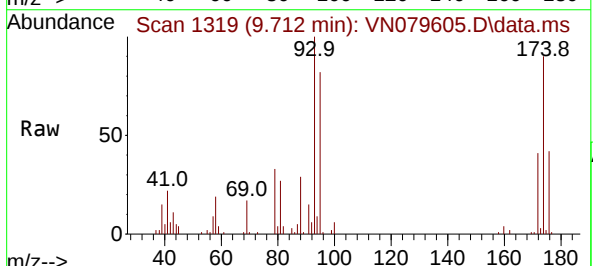
Tgt Ion: 93 Resp: 45036

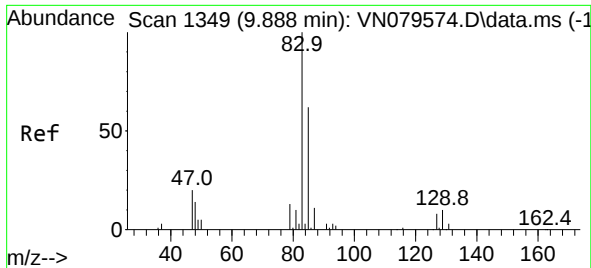
Ion Ratio Lower Upper

93 100

95 83.2 0.0 166.6

174 85.6 0.0 171.0





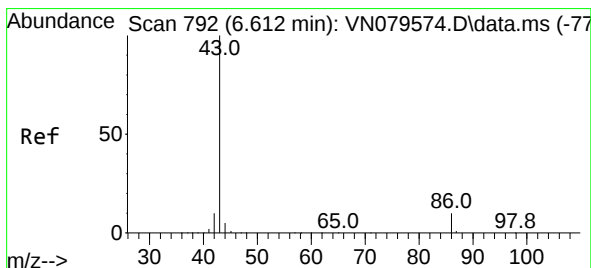
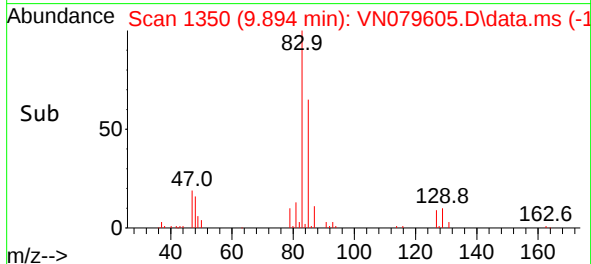
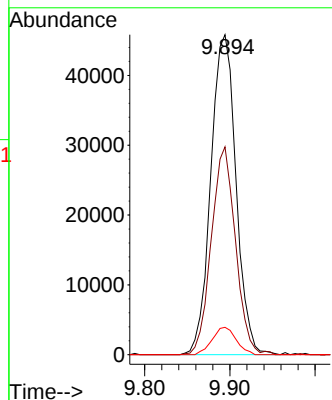
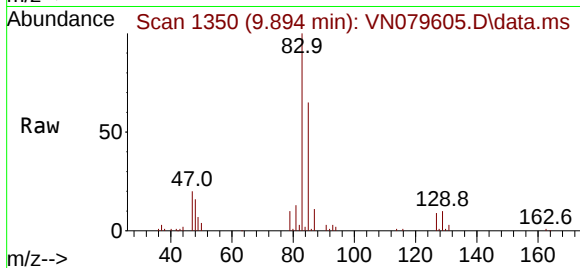
#41
Bromodichloromethane
Concen: 20.732 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 9425
Ion Ratio Lower Upper
83 100
85 65.0 50.3 75.5
127 8.6 6.8 10.2

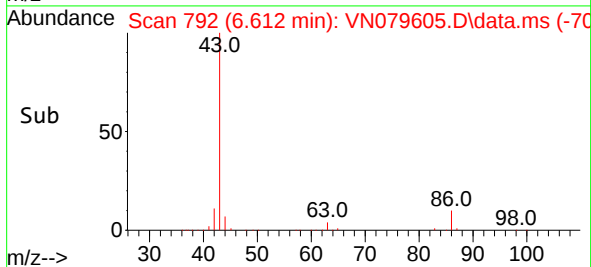
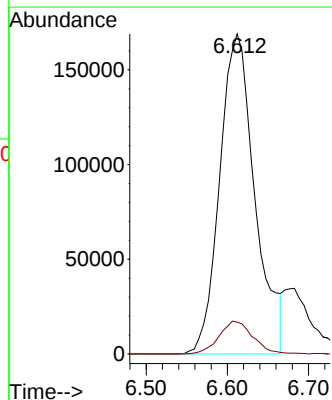
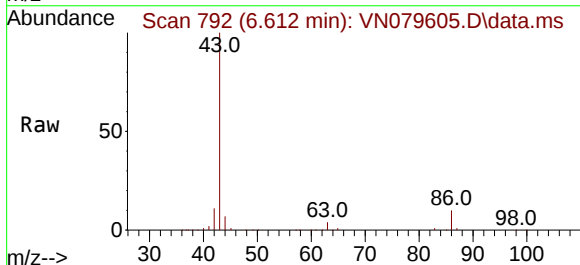
Manual Integrations
APPROVED

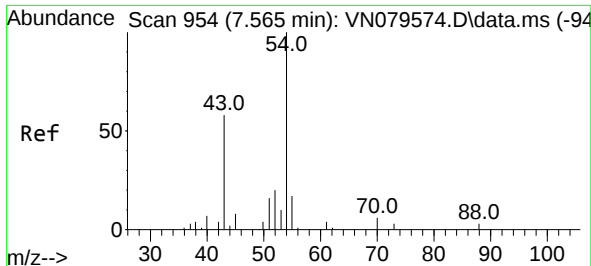
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#42
Vinyl Acetate
Concen: 96.081 ug/l
RT: 6.612 min Scan# 792
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Tgt Ion: 43 Resp: 509367
Ion Ratio Lower Upper
43 100
86 9.9 8.2 12.2





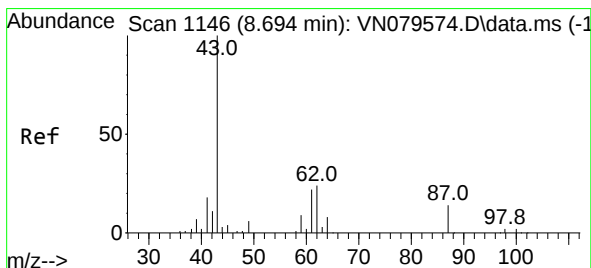
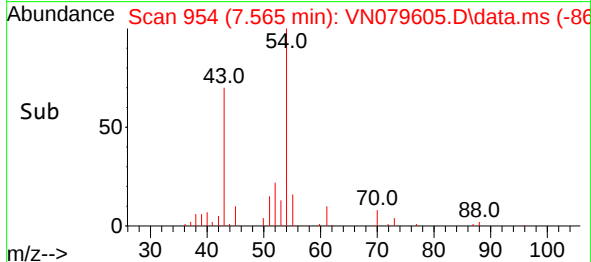
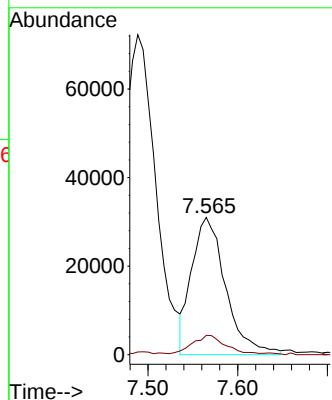
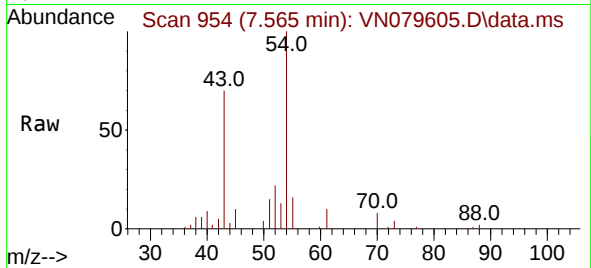
#43
Ethyl Acetate
Concen: 20.747 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 81532
Ion Ratio Lower Upper
43 100
45 13.6 11.8 17.8

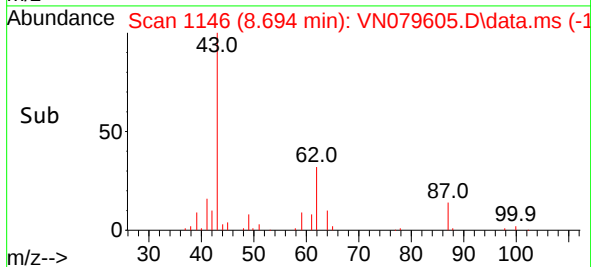
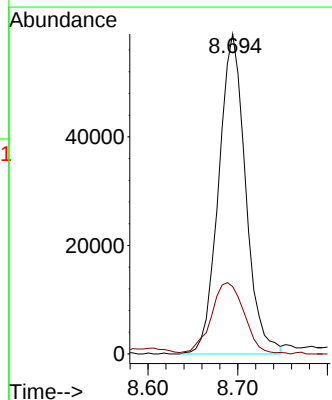
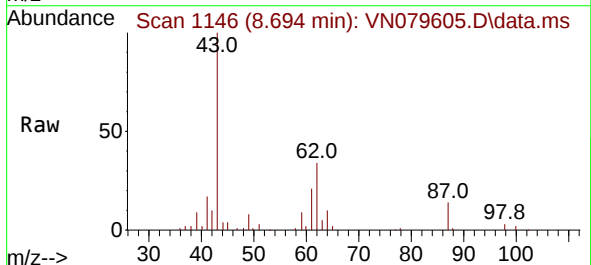
Manual Integrations
APPROVED

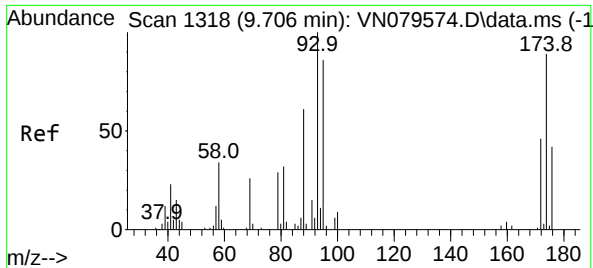
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#44
Isopropyl Acetate
Concen: 17.566 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

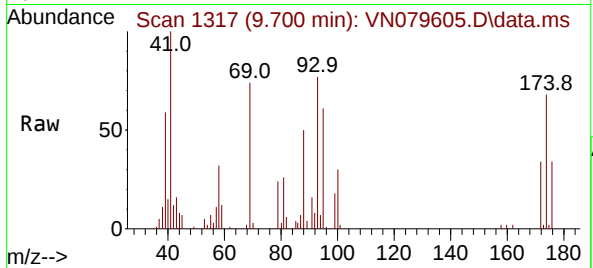
Tgt Ion: 43 Resp: 122710
Ion Ratio Lower Upper
43 100
61 27.3 20.3 30.5





#45
1,4-Dioxane
Concen: 341.791 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. -0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

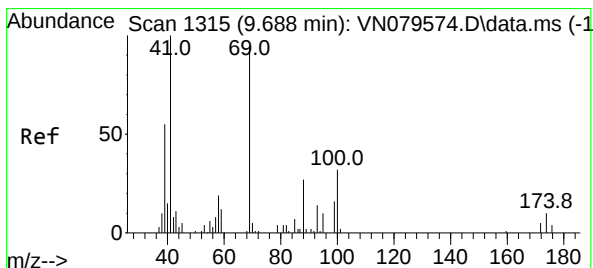
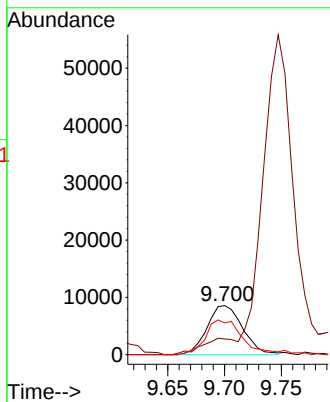
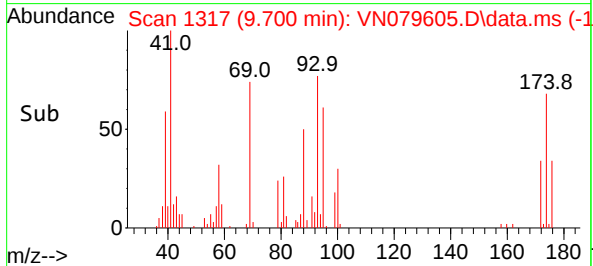
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 88 Resp: 18690
Ion Ratio Lower Upper
88 100
43 32.8 28.7 43.1
58 72.3 56.9 85.3

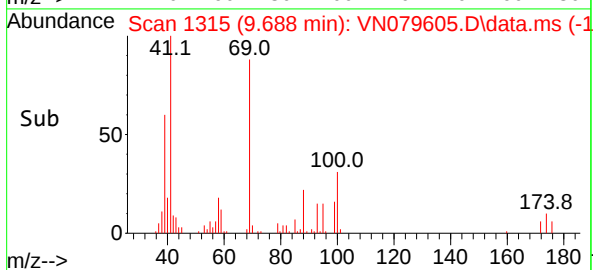
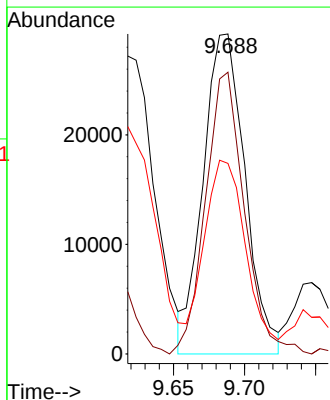
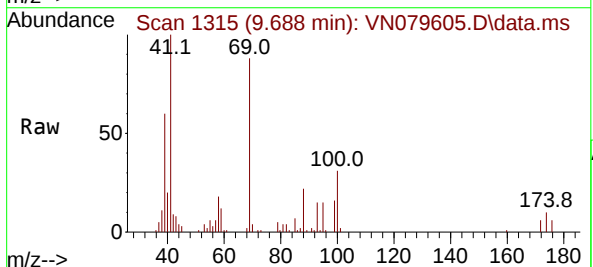
Manual Integrations
APPROVED

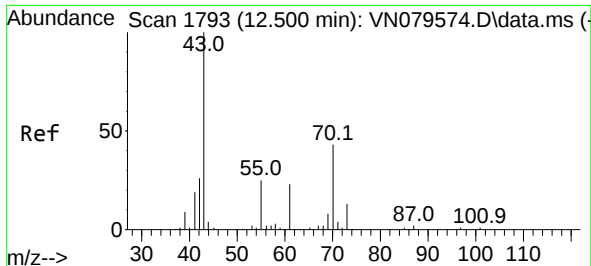
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#46
Methyl methacrylate
Concen: 19.340 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Tgt Ion: 41 Resp: 59939
Ion Ratio Lower Upper
41 100
69 91.5 40.0 119.9
39 59.0 31.1 93.3





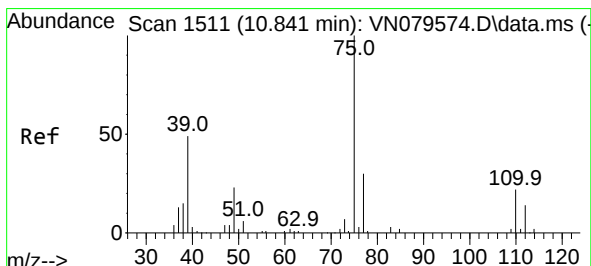
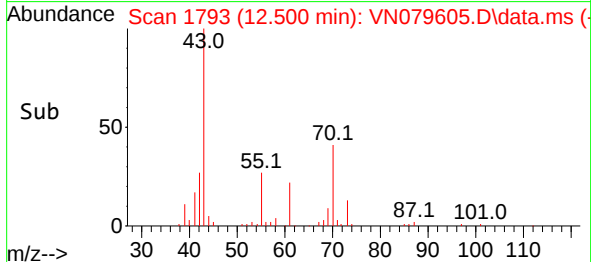
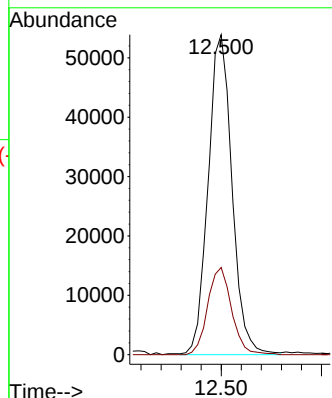
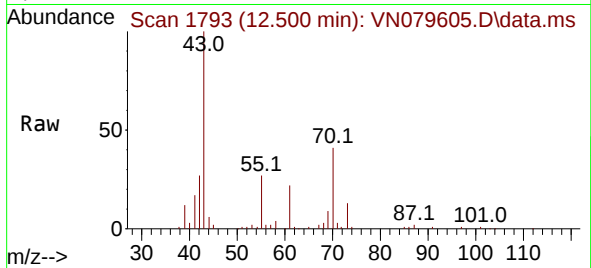
#47
n-amy1 Acetate
Concen: 17.707 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 89270
Ion Ratio Lower Upper
43 100
55 27.3 20.7 31.1

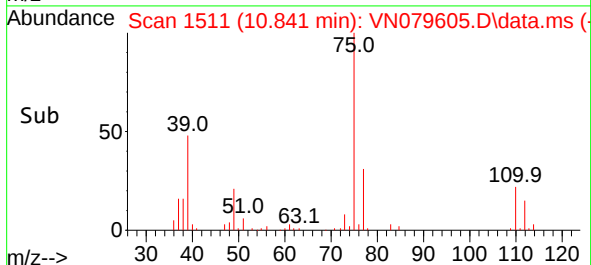
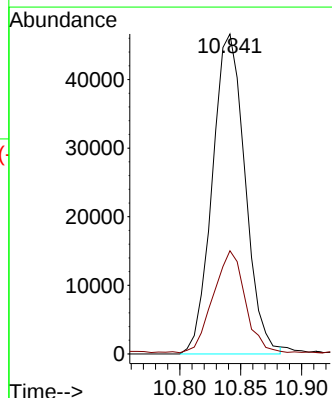
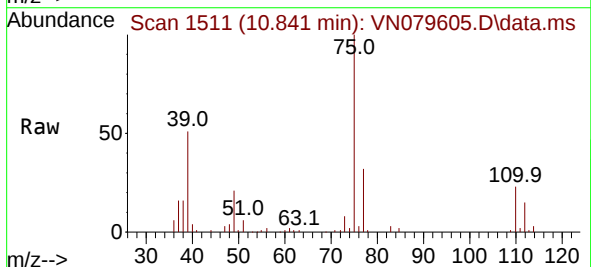
Manual Integrations
APPROVED

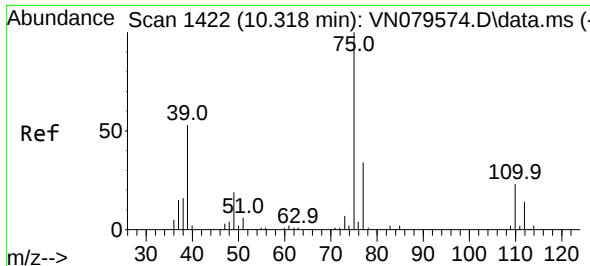
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#48
t-1,3-Dichloropropene
Concen: 18.972 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

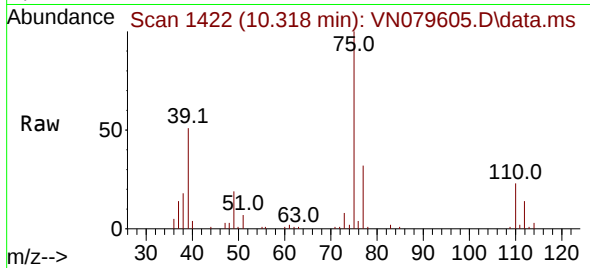
Tgt Ion: 75 Resp: 87198
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4





#49
 cis-1,3-Dichloropropene
 Concen: 19.253 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VN079605.D
 Acq: 18 Oct 2023 17:13

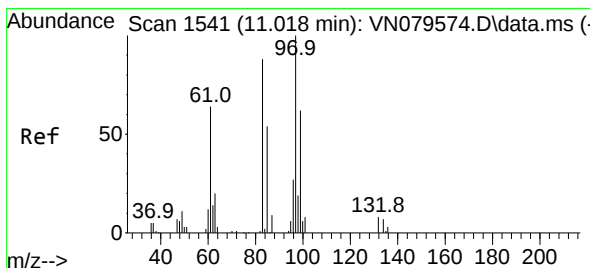
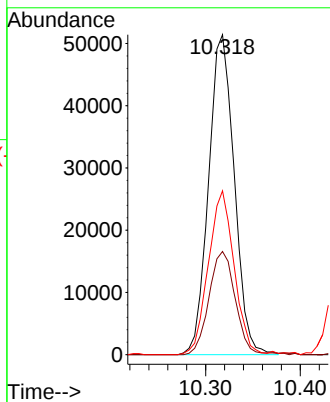
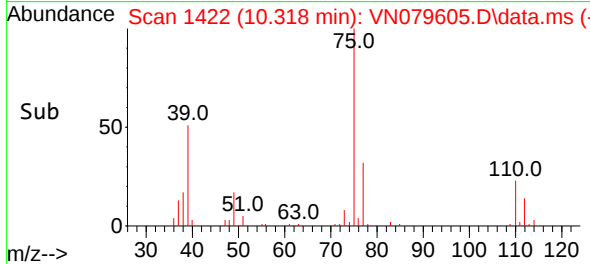
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 75 Resp: 96762
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6
 39 51.2 42.4 63.6

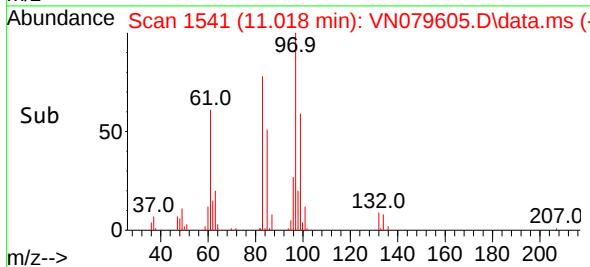
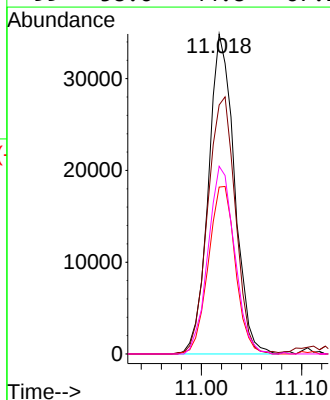
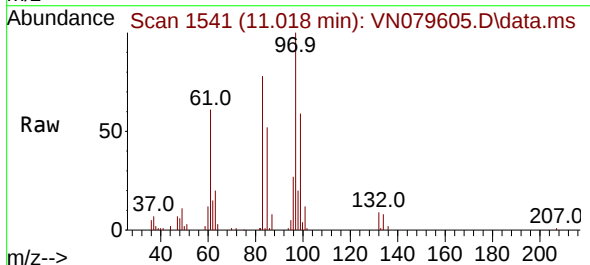
Manual Integrations
 APPROVED

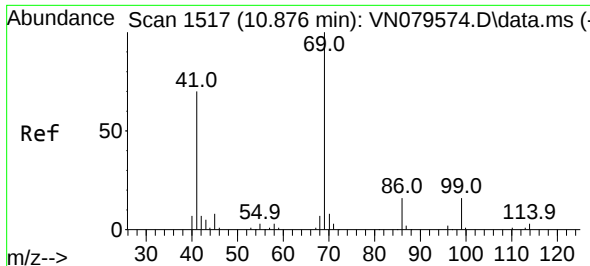
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#50
 1,1,2-Trichloroethane
 Concen: 20.645 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VN079605.D
 Acq: 18 Oct 2023 17:13

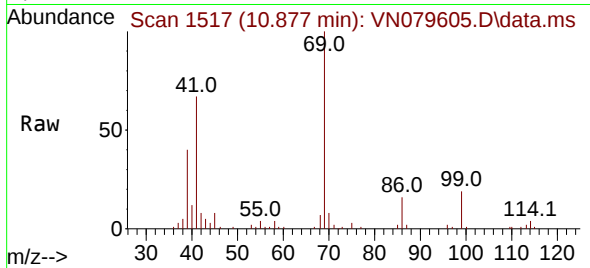
Tgt Ion: 97 Resp: 62832
 Ion Ratio Lower Upper
 97 100
 83 77.4 68.2 102.4
 85 52.1 42.9 64.3
 99 58.6 44.8 67.2





#51
Ethyl methacrylate
Concen: 18.049 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

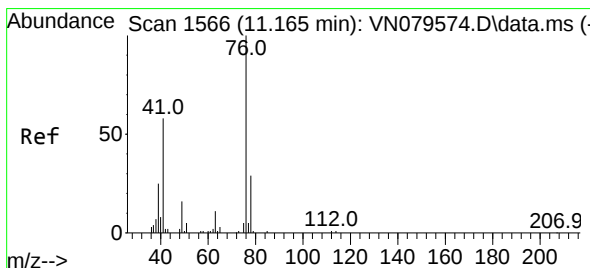
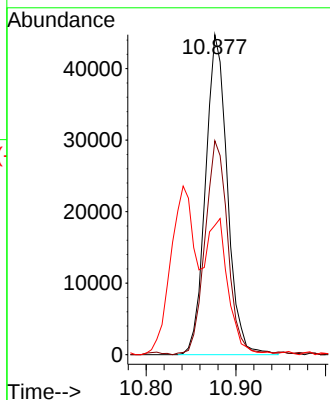
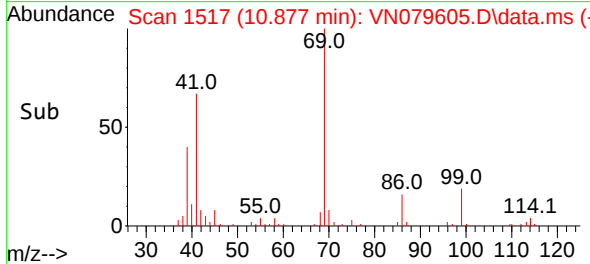
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



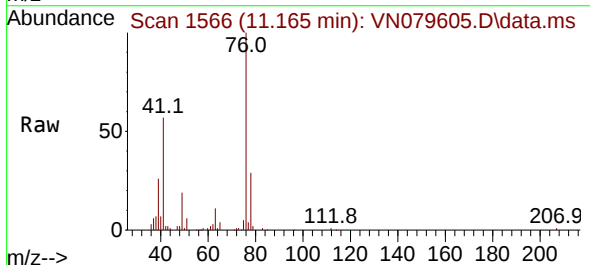
Tgt Ion: 69 Resp: 7578
Ion Ratio Lower Upper
69 100
41 66.3 33.8 101.3
39 39.8 21.3 63.9

Manual Integrations
APPROVED

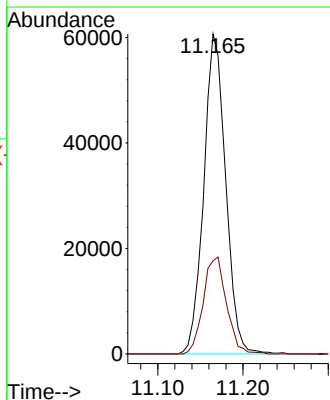
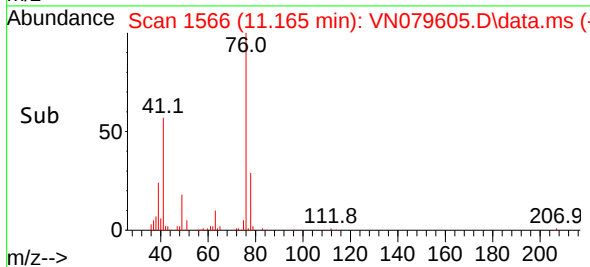
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

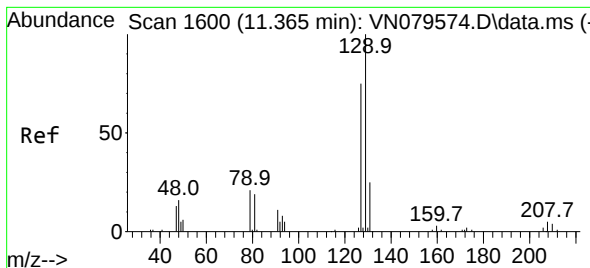


#52
1,3-Dichloropropane
Concen: 20.092 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13



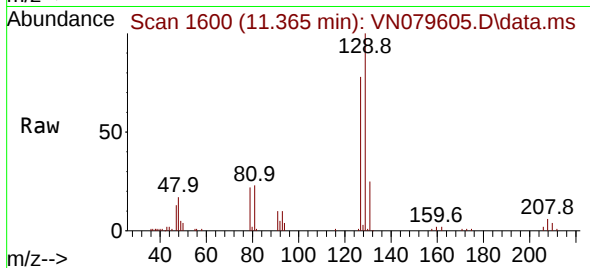
Tgt Ion: 76 Resp: 108326
Ion Ratio Lower Upper
76 100
78 32.0 0.0 64.0





#53
Dibromochloromethane
Concen: 20.251 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

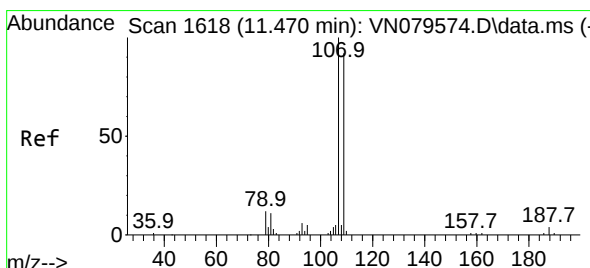
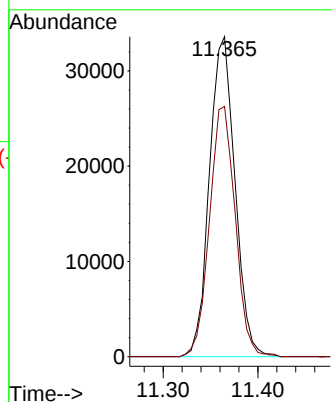
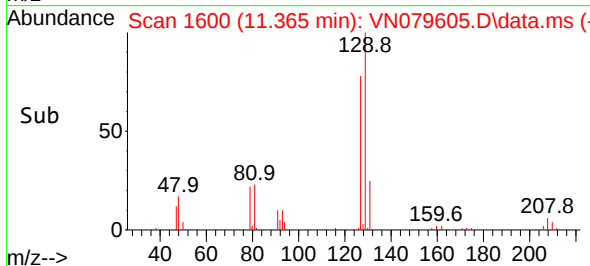
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



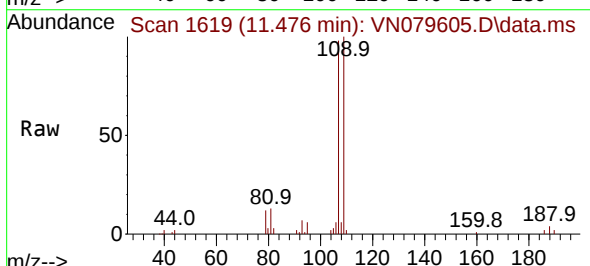
Tgt Ion:129 Resp: 62989
Ion Ratio Lower Upper
129 100
127 78.6 38.8 116.3

Manual Integrations
APPROVED

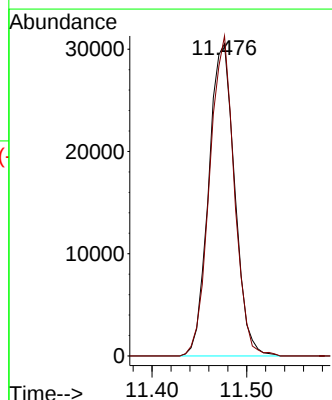
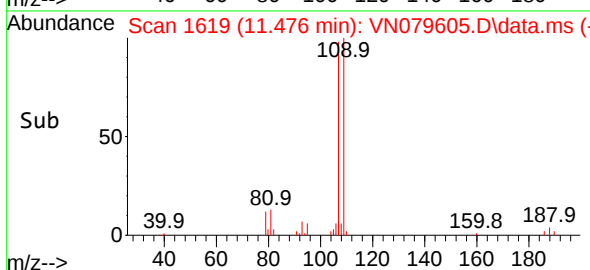
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

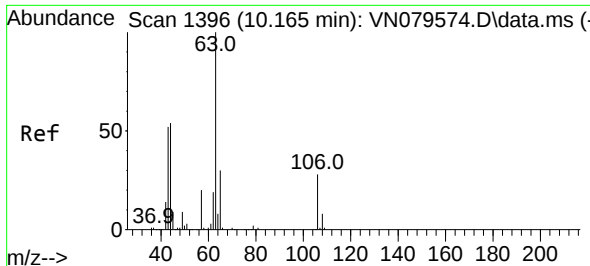


#54
1,2-Dibromoethane
Concen: 19.387 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13



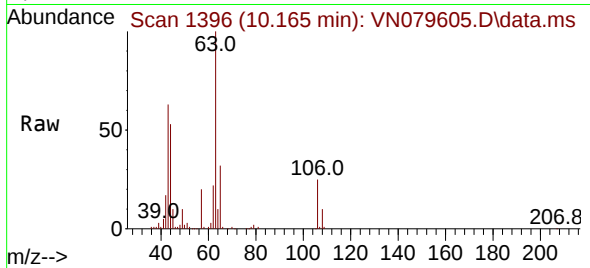
Tgt Ion:107 Resp: 58208
Ion Ratio Lower Upper
107 100
109 97.3 73.2 109.8





#55
2-Chloroethyl vinyl ether
Concen: 84.361 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

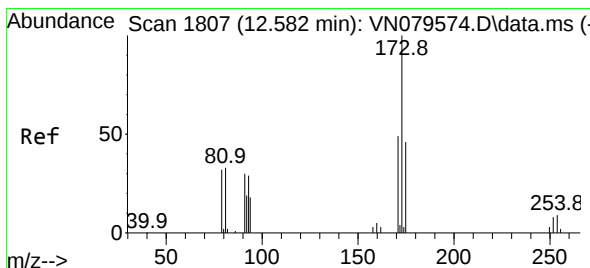
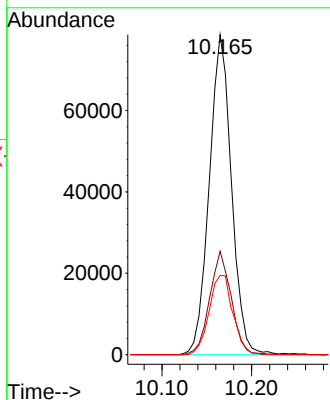
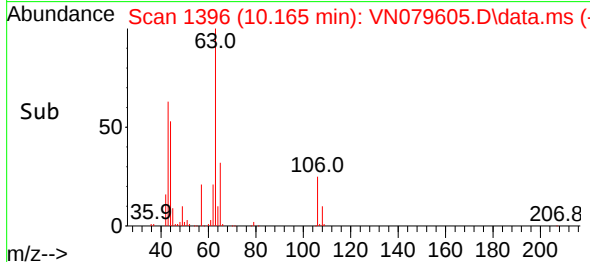
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 135149
Ion Ratio Lower Upper
63 100
65 31.4 25.9 38.9
106 26.5 20.6 30.8

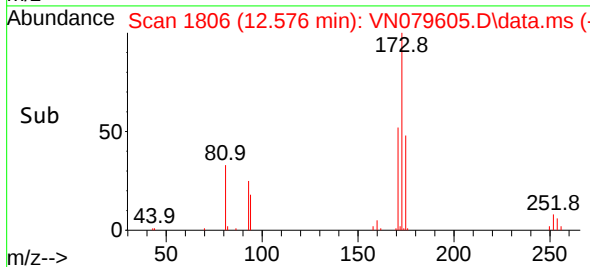
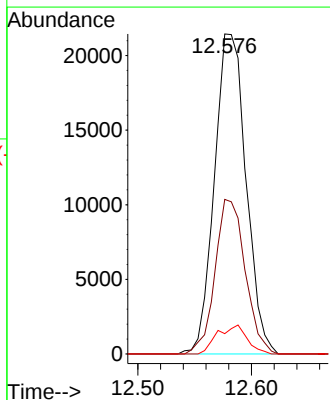
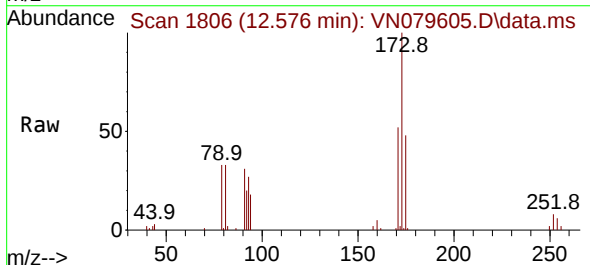
Manual Integrations
APPROVED

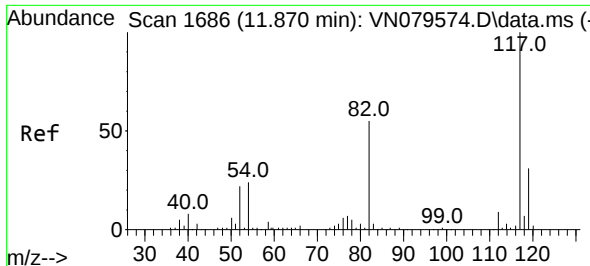
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#56
Bromoform
Concen: 20.159 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

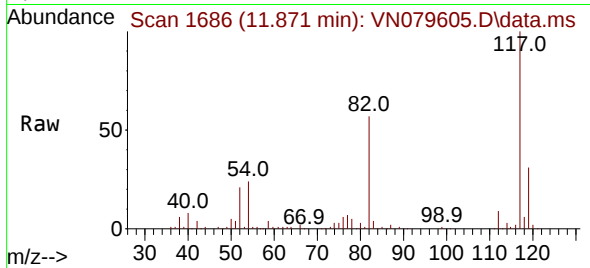
Tgt Ion:173 Resp: 41482
Ion Ratio Lower Upper
173 100
175 46.0 37.9 56.9
254 3.4 7.3 10.9#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

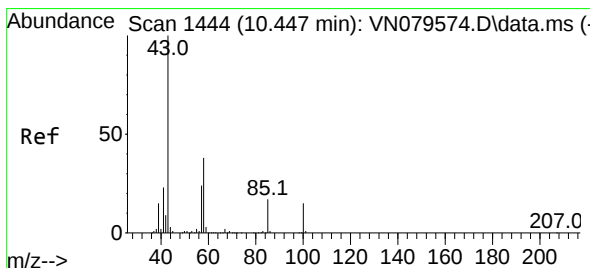
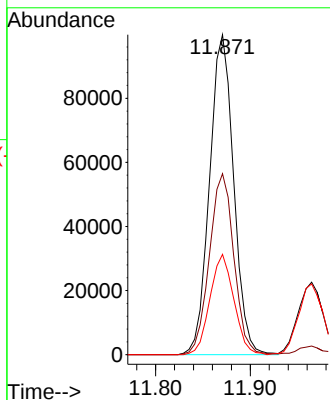
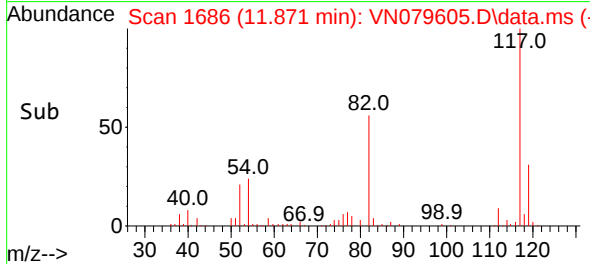
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 17659
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.2
119 31.1 25.2 37.8

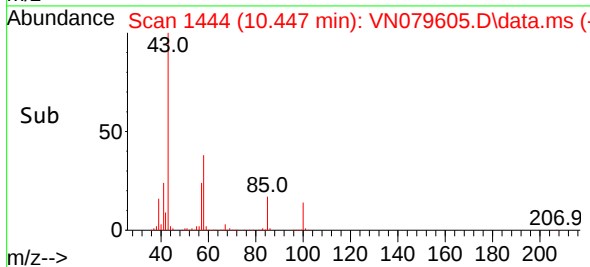
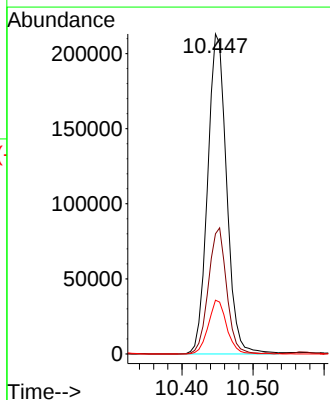
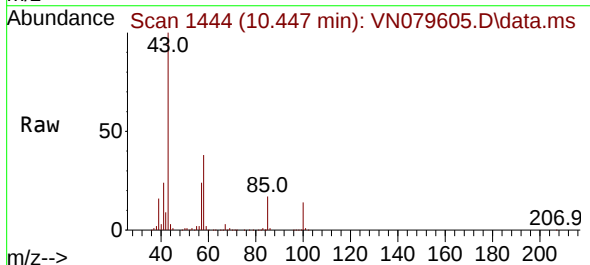
Manual Integrations
APPROVED

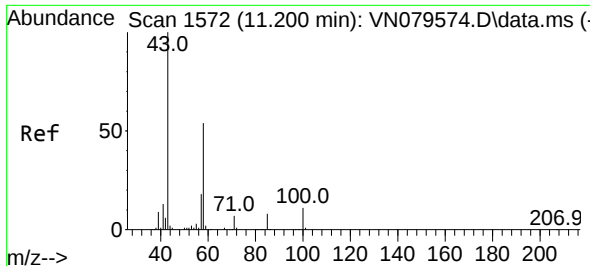
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#58
4-Methyl-2-Pentanone
Concen: 96.252 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

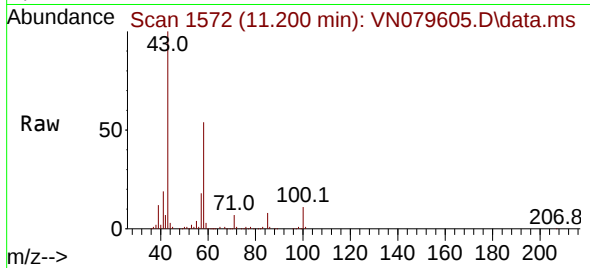
Tgt Ion: 43 Resp: 396461
Ion Ratio Lower Upper
43 100
58 37.8 30.4 45.6
85 16.3 13.2 19.8





#59
2-Hexanone
Concen: 90.493 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

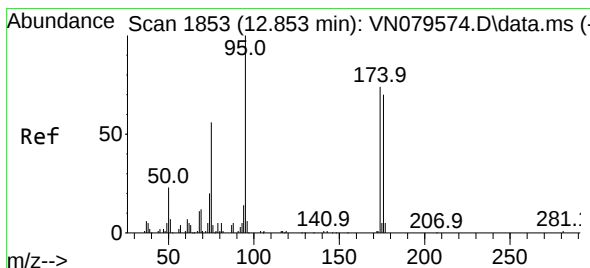
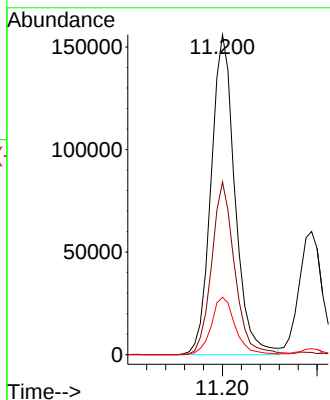
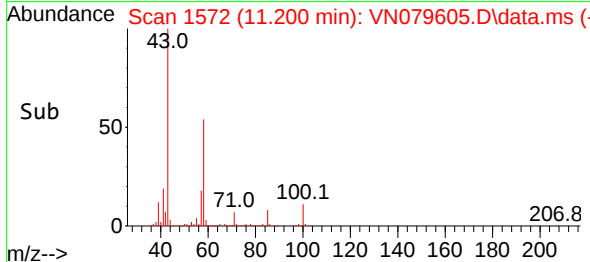
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 273450
Ion Ratio Lower Upper
43 100
58 52.0 42.3 63.5
57 18.1 13.9 20.9

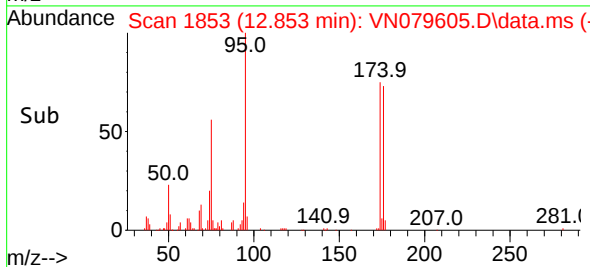
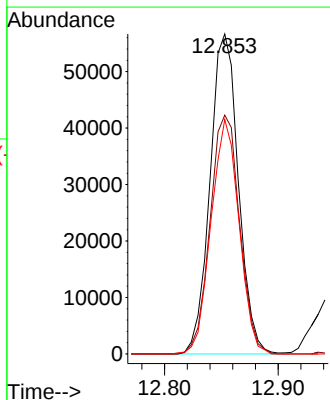
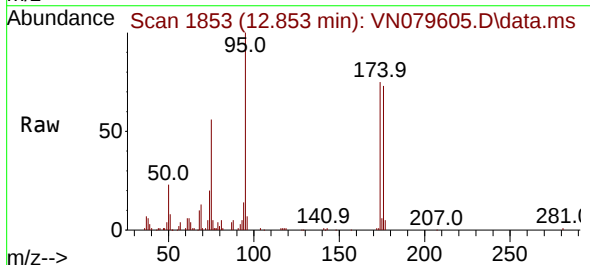
Manual Integrations
APPROVED

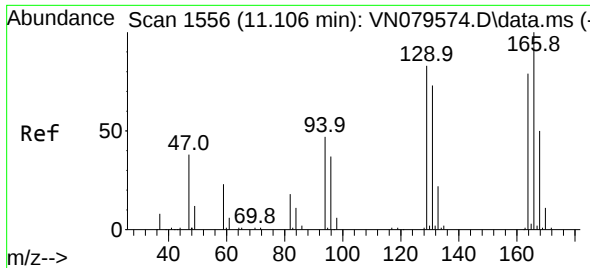
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#60
4-Bromofluorobenzene
Concen: 30.424 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

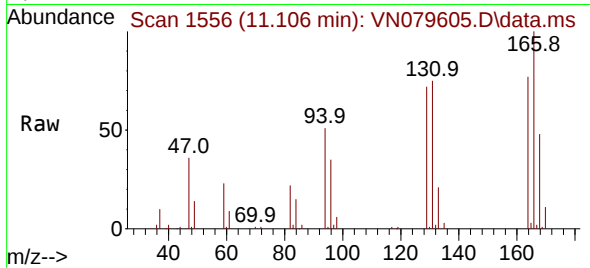
Tgt Ion: 95 Resp: 98252
Ion Ratio Lower Upper
95 100
174 77.6 60.5 90.7
176 72.1 57.2 85.8





#61
Tetrachloroethene
Concen: 21.029 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

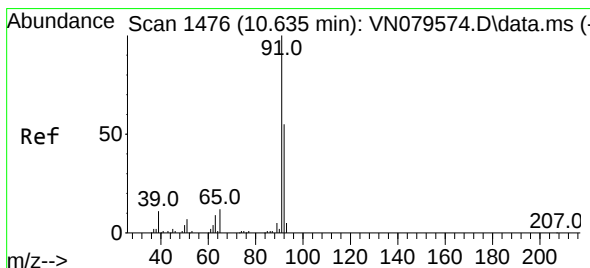
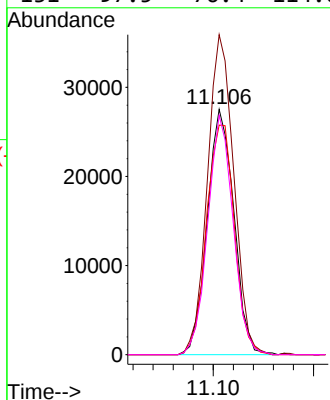
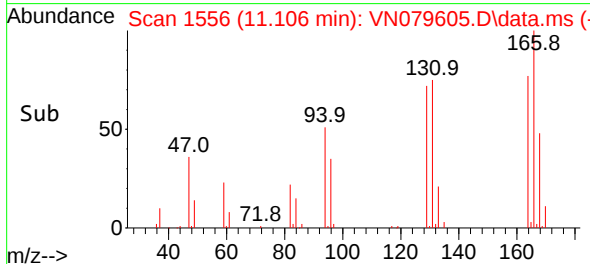
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



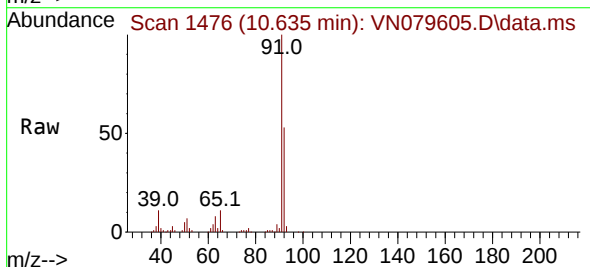
Tgt Ion:164 Resp: 5098
Ion Ratio Lower Upper
164 100
166 130.5 98.2 147.4
129 93.6 75.0 112.4
131 97.5 76.4 114.6

Manual Integrations
APPROVED

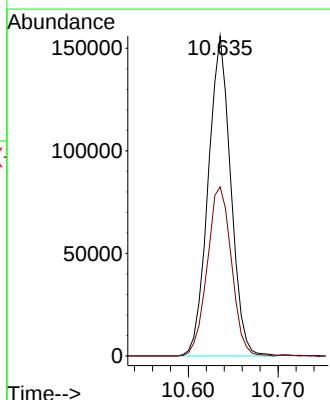
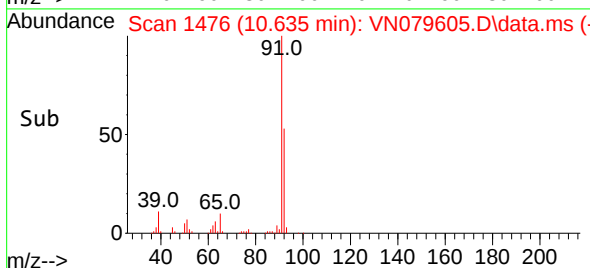
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

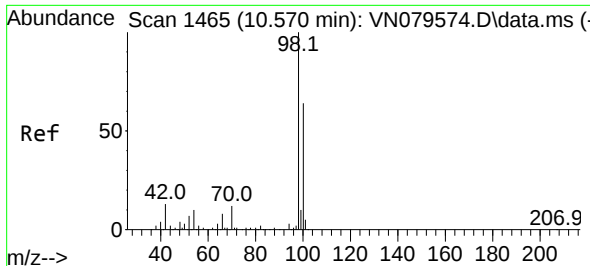


#62
Toluene
Concen: 20.240 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13



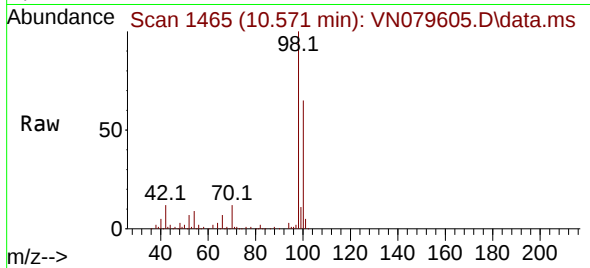
Tgt Ion: 91 Resp: 273171
Ion Ratio Lower Upper
91 100
92 56.4 45.3 67.9





#63
Toluene-d8
Concen: 30.743 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

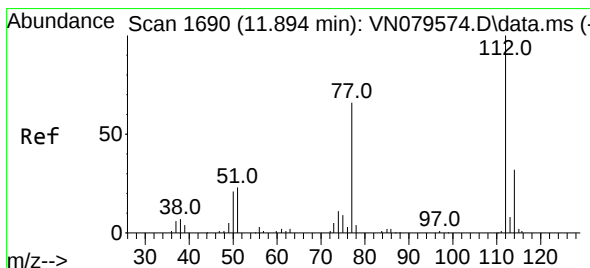
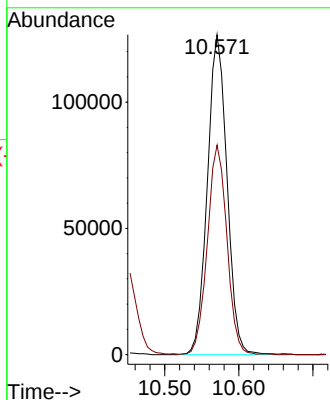
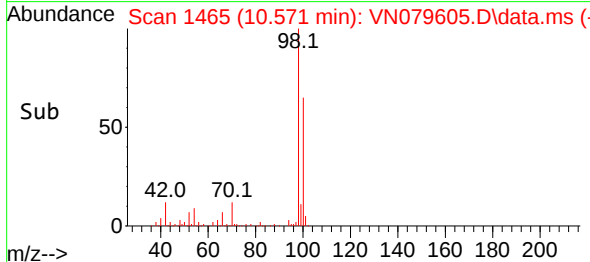
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 98 Resp: 23263
Ion Ratio Lower Upper
98 100
100 65.3 51.6 77.4

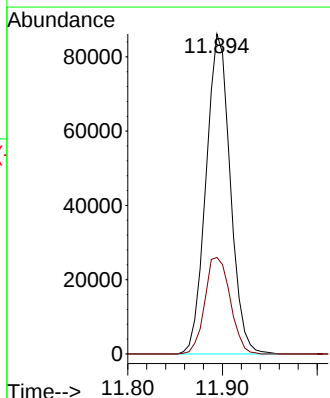
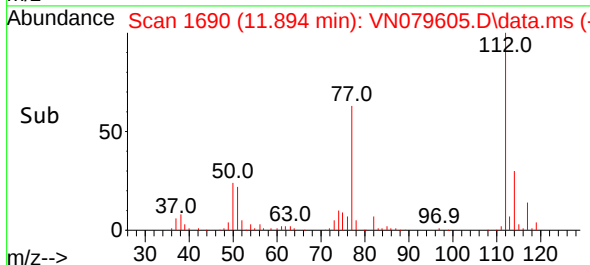
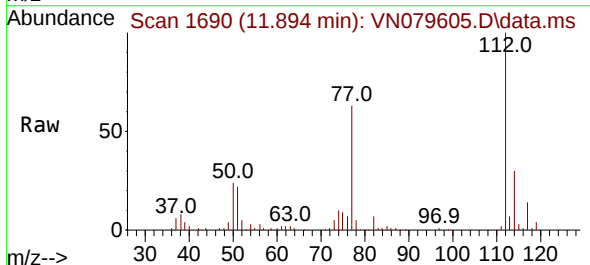
Manual Integrations
APPROVED

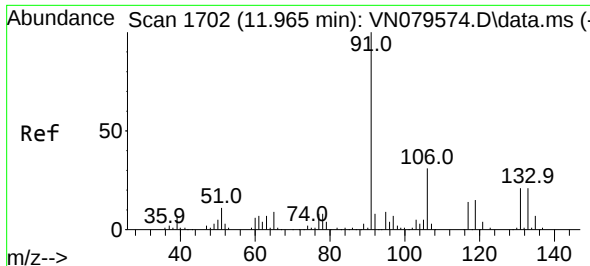
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#64
Chlorobenzene
Concen: 19.561 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Tgt Ion:112 Resp: 153121
Ion Ratio Lower Upper
112 100
114 30.2 28.1 42.1





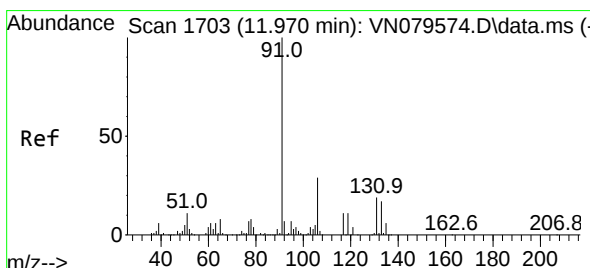
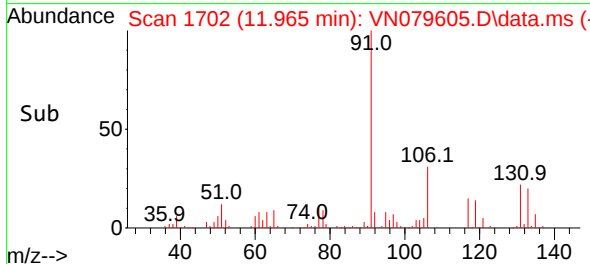
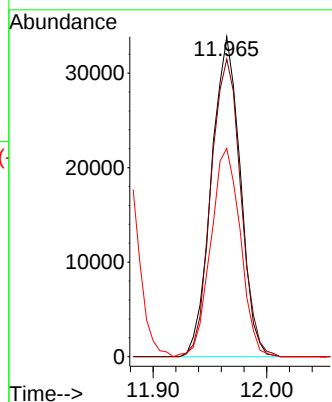
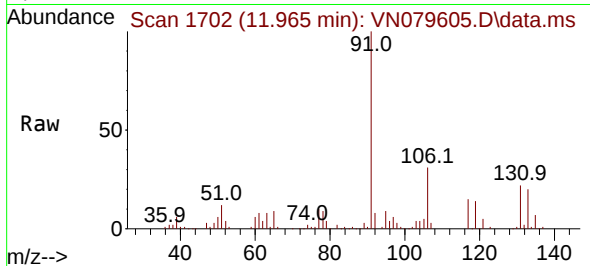
#65
1,1,1,2-Tetrachloroethane
Concen: 20.004 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 5964
Ion Ratio Lower Upper
131 100
133 96.3 0.0 196.0
119 66.9 0.0 135.6

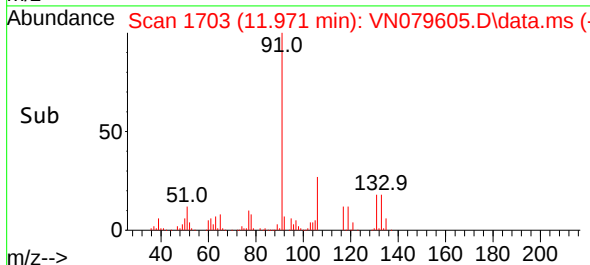
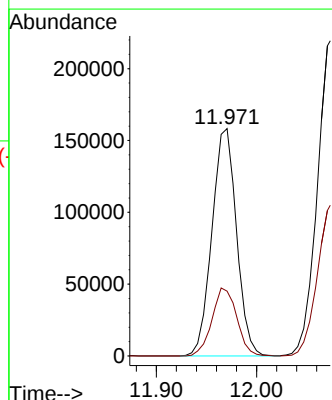
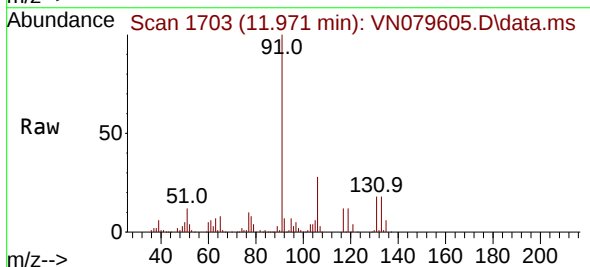
Manual Integrations
APPROVED

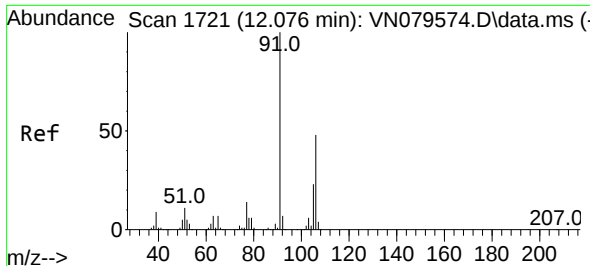
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#66
Ethyl Benzene
Concen: 19.400 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Tgt Ion: 91 Resp: 269780
Ion Ratio Lower Upper
91 100
106 28.5 23.8 35.8





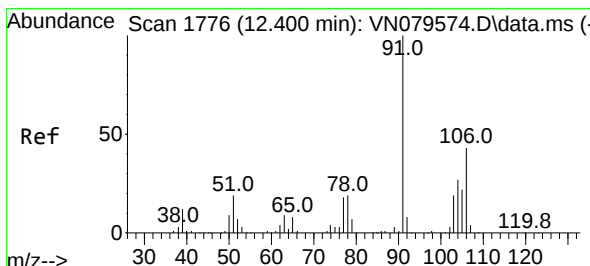
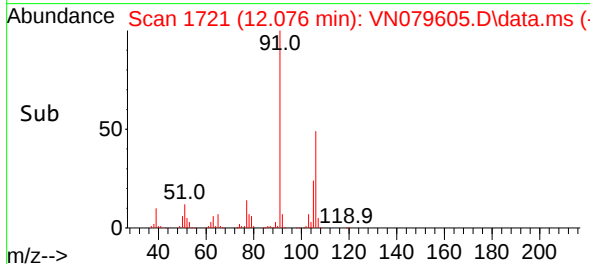
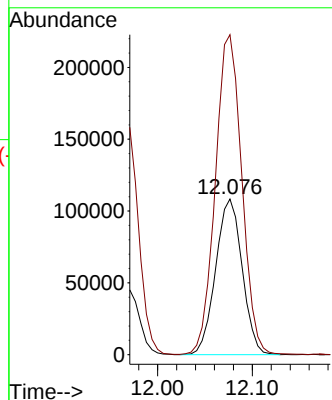
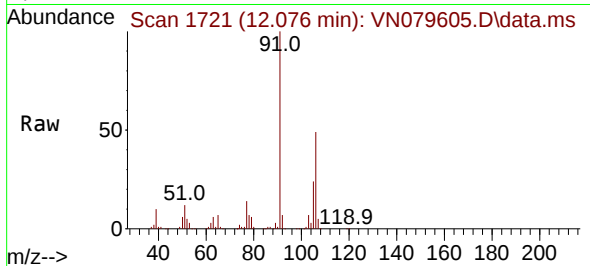
#67
m/p-Xylenes
Concen: 40.980 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 21077
Ion Ratio Lower Upper
106 100
91 205.7 161.8 242.6

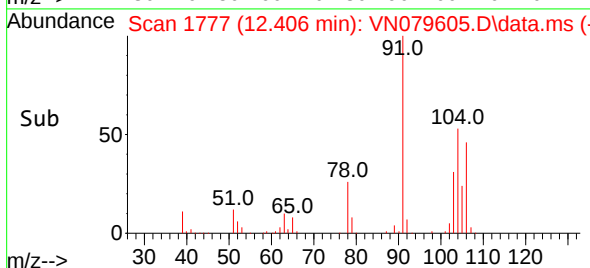
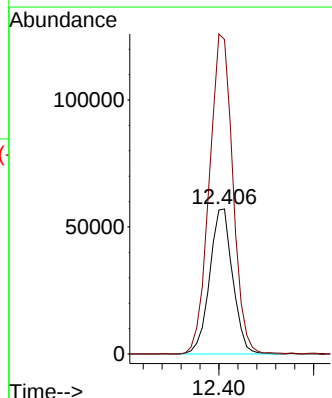
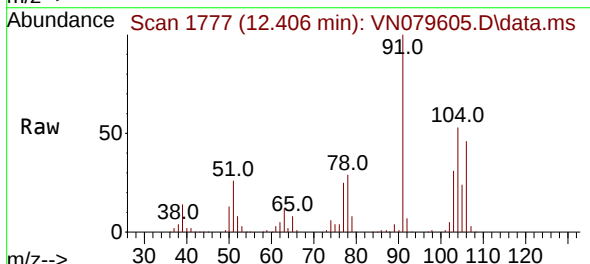
Manual Integrations
APPROVED

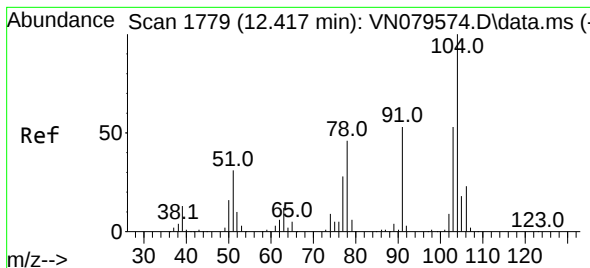
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#68
o-Xylene
Concen: 19.596 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Tgt Ion:106 Resp: 96352
Ion Ratio Lower Upper
106 100
91 224.9 109.9 329.7





#69

Styrene

Concen: 20.286 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

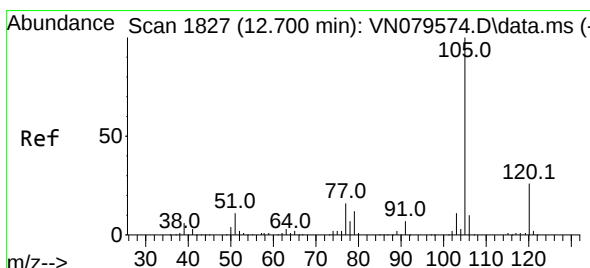
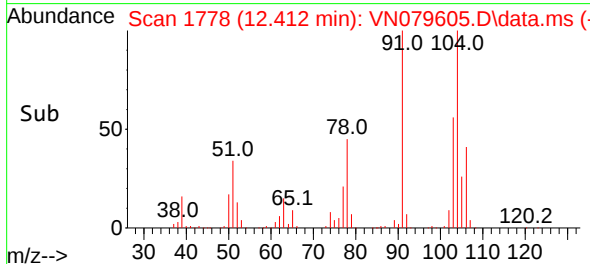
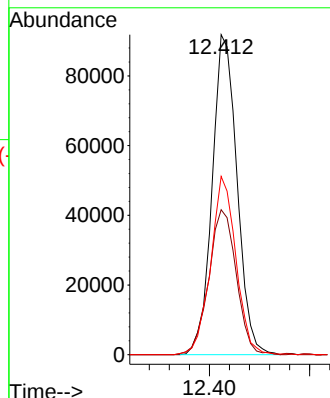
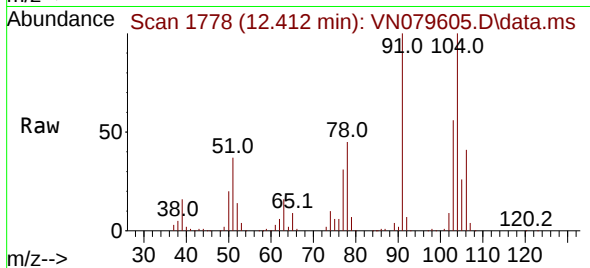
Tgt Ion:104 Resp: 15834
 Ion Ratio Lower Upper
 104 100
 78 49.9 41.2 61.8
 103 56.6 43.1 64.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#70

Isopropylbenzene

Concen: 19.826 ug/l

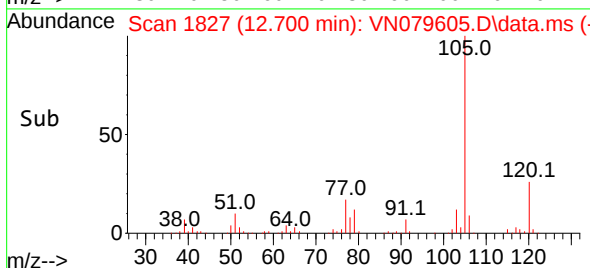
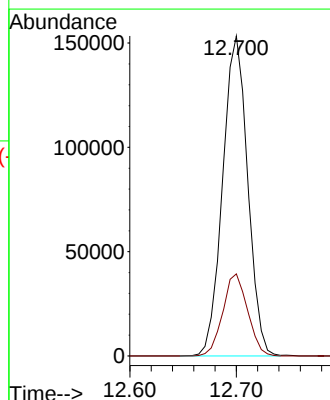
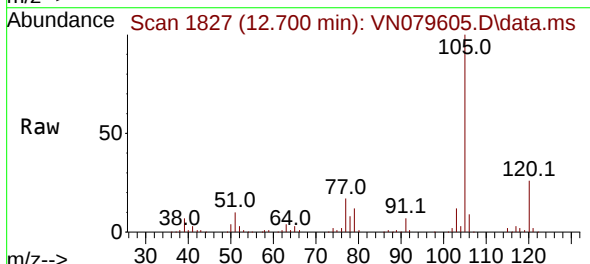
RT: 12.700 min Scan# 1827

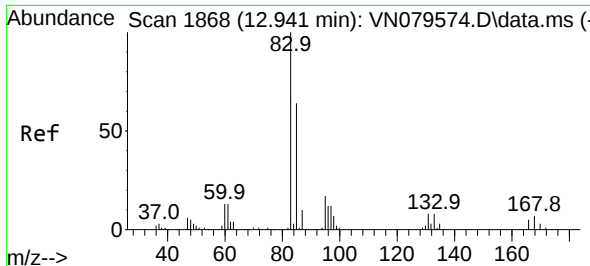
Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Tgt Ion:105 Resp: 250167
 Ion Ratio Lower Upper
 105 100
 120 25.4 18.1 33.5





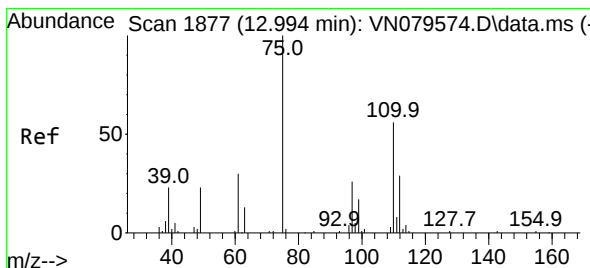
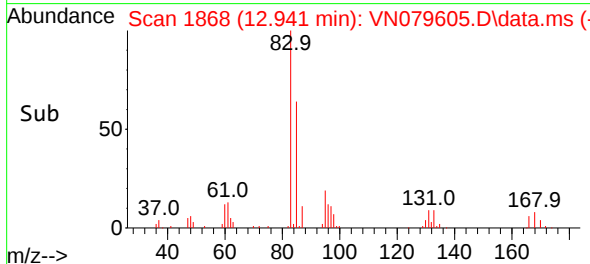
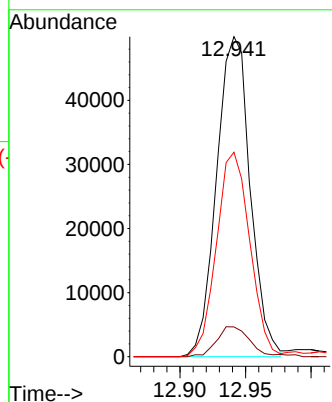
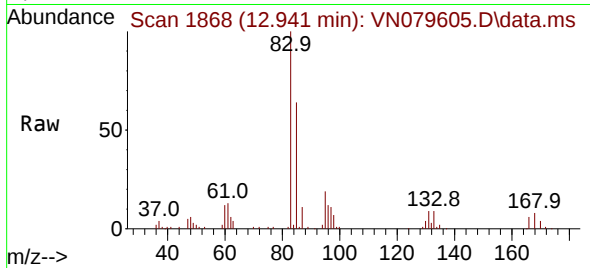
#71
1,1,2,2-Tetrachloroethane
Concen: 19.845 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 89040
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.4
85 63.4 32.1 96.3

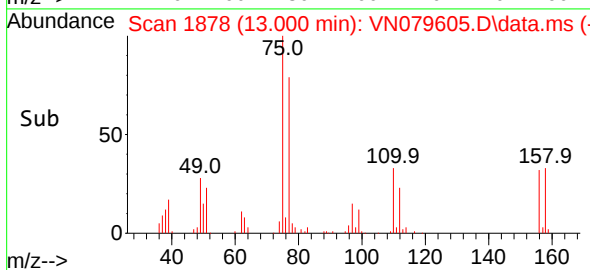
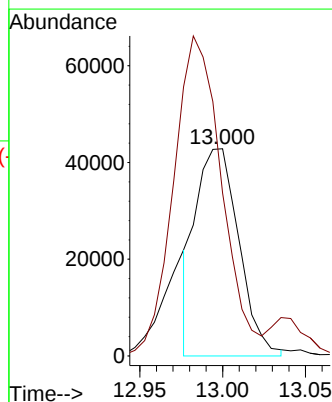
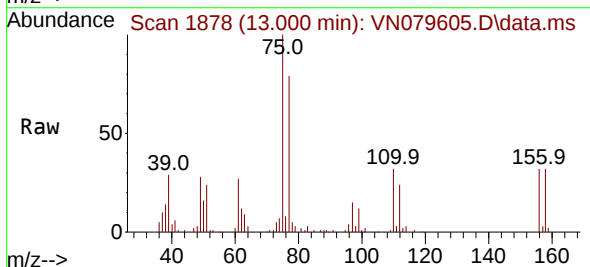
Manual Integrations
APPROVED

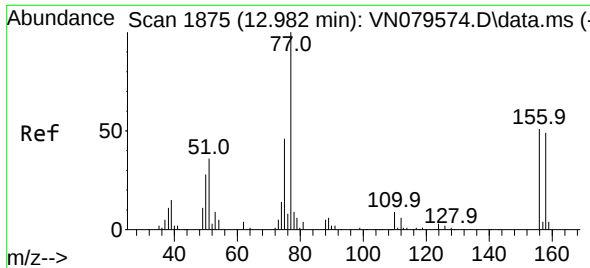
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#72
1,2,3-Trichloropropane
Concen: 18.989 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. 0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

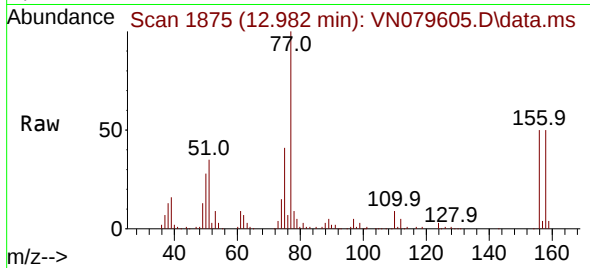
Tgt Ion: 75 Resp: 77372
Ion Ratio Lower Upper
75 100
77 172.6 0.0 338.2





#73
Bromobenzene
Concen: 20.155 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

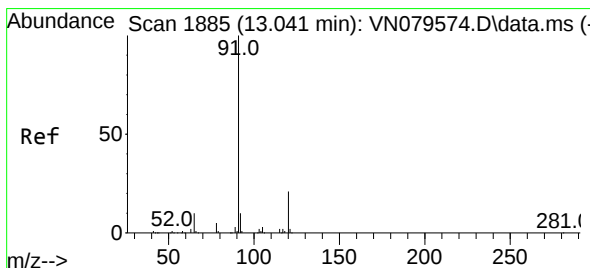
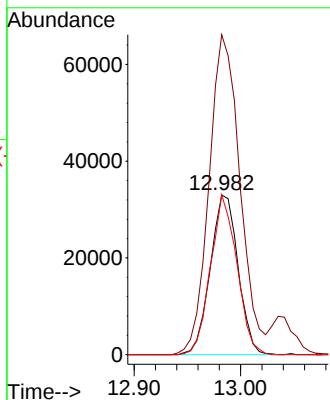
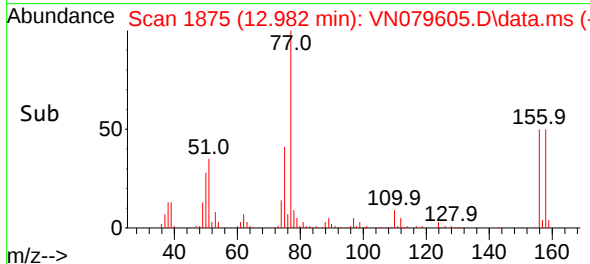
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



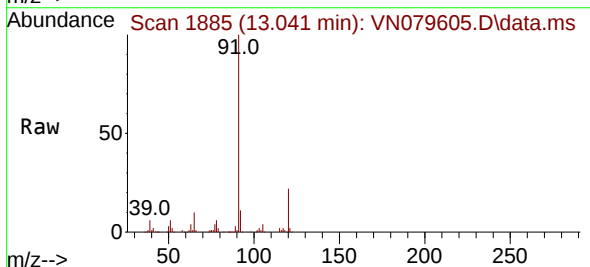
Tgt Ion:156 Resp: 59749
Ion Ratio Lower Upper
156 100
77 223.5 0.0 448.2
158 94.8 0.0 194.8

Manual Integrations
APPROVED

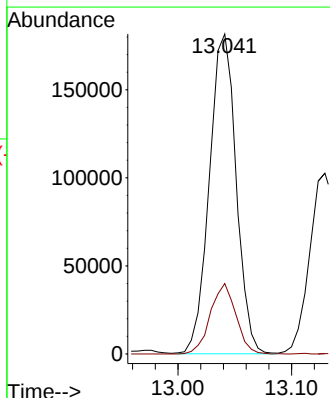
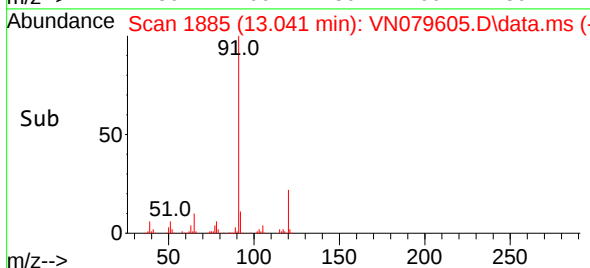
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

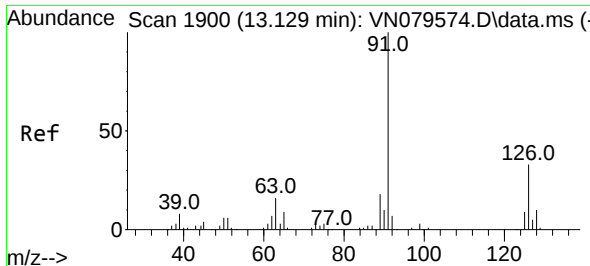


#74
n-propylbenzene
Concen: 20.319 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13



Tgt Ion: 91 Resp: 298495
Ion Ratio Lower Upper
91 100
120 20.9 0.0 42.0





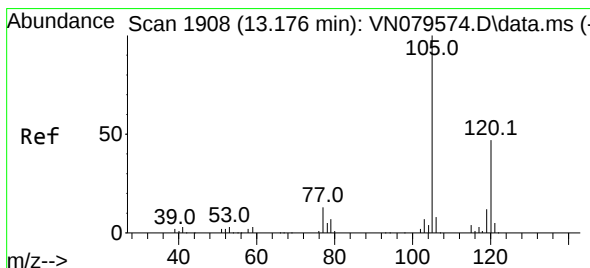
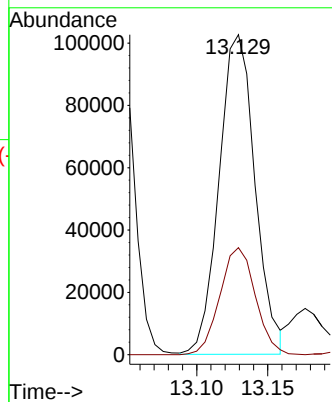
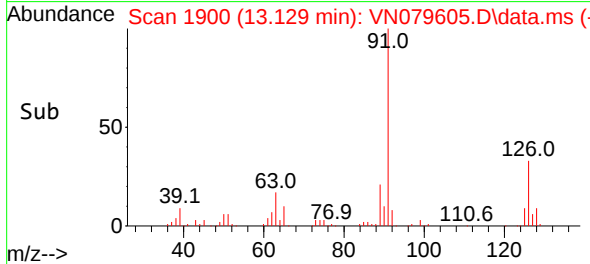
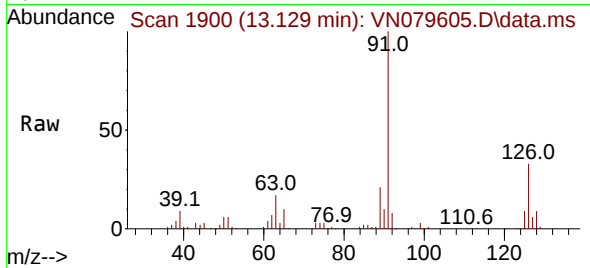
#75
2-Chlorotoluene
Concen: 19.786 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 180700
Ion Ratio Lower Upper
91 100
126 33.0 0.0 64.6

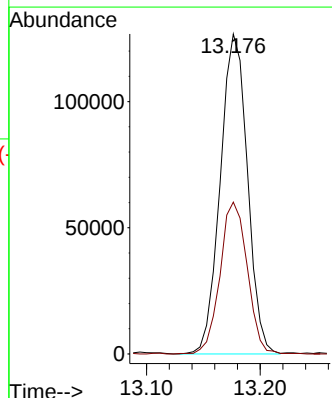
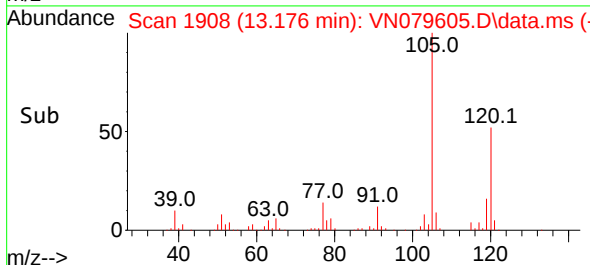
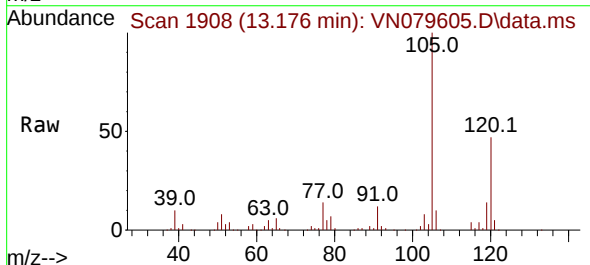
Manual Integrations
APPROVED

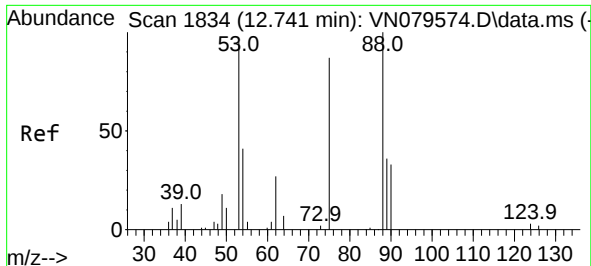
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#76
1,3,5-Trimethylbenzene
Concen: 20.406 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

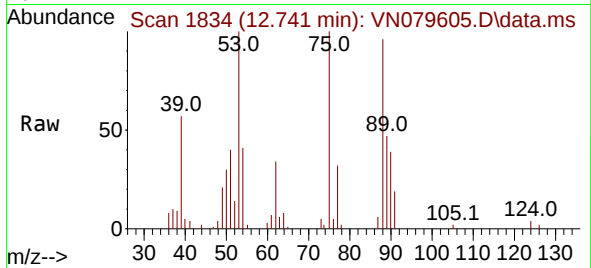
Tgt Ion:105 Resp: 210492
Ion Ratio Lower Upper
105 100
120 47.4 0.0 93.2





#77
t-1,4-Dichloro-2-butene
Concen: 17.949 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

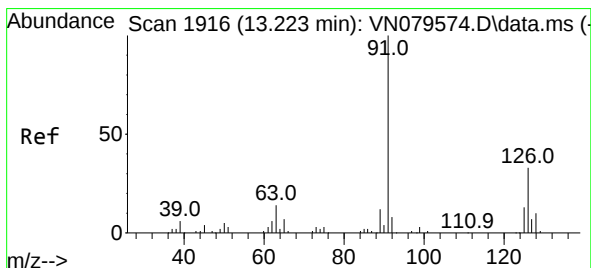
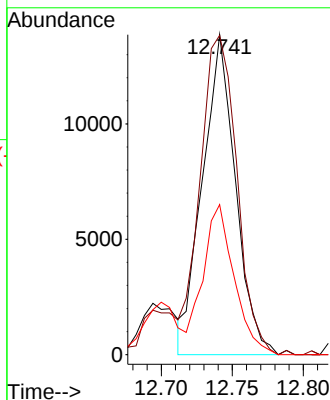
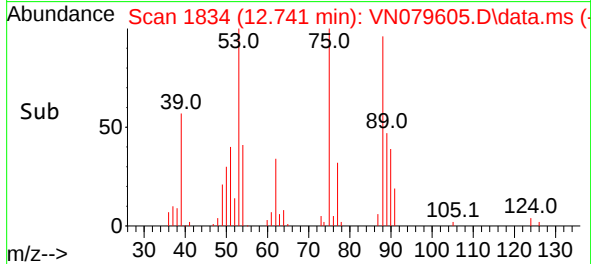
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 22320
Ion Ratio Lower Upper
75 100
53 99.8 53.0 159.1
89 46.9 22.6 67.7

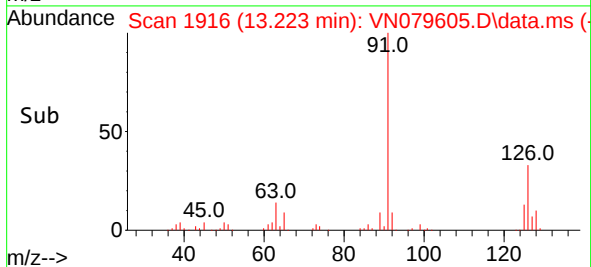
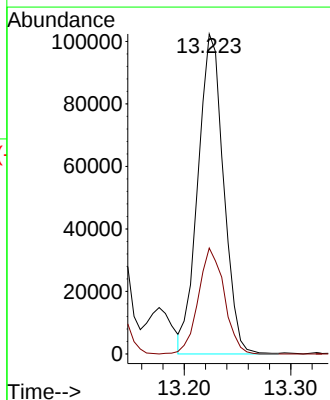
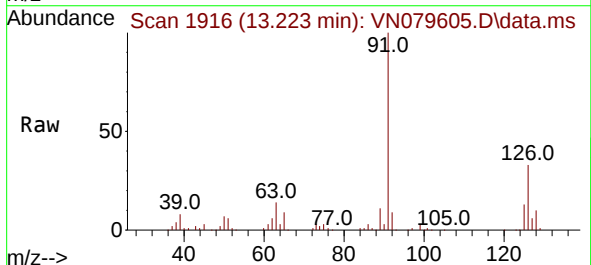
Manual Integrations
APPROVED

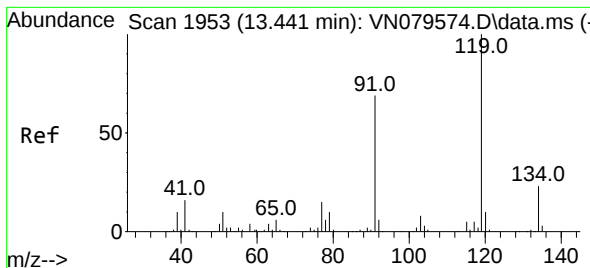
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#78
4-Chlorotoluene
Concen: 19.845 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

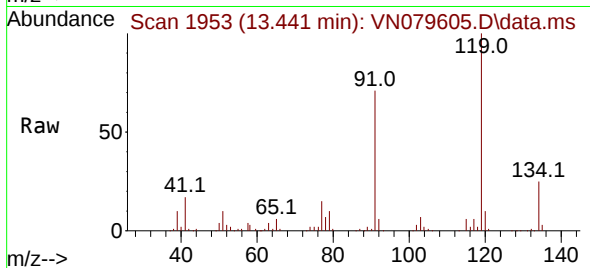
Tgt Ion: 91 Resp: 171240
Ion Ratio Lower Upper
91 100
126 33.3 0.0 65.4





#79
tert-butylbenzene
Concen: 19.721 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

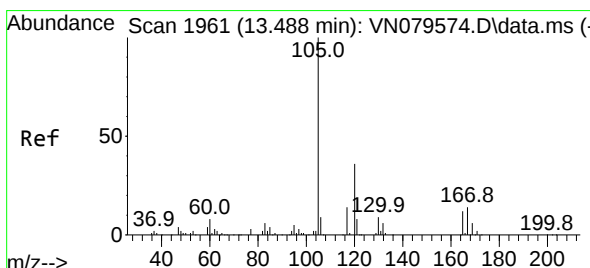
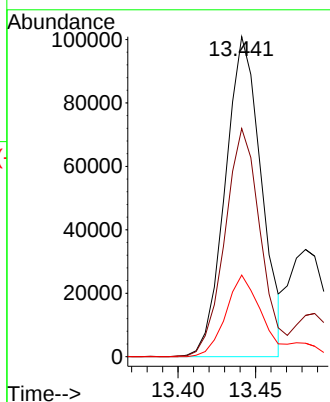
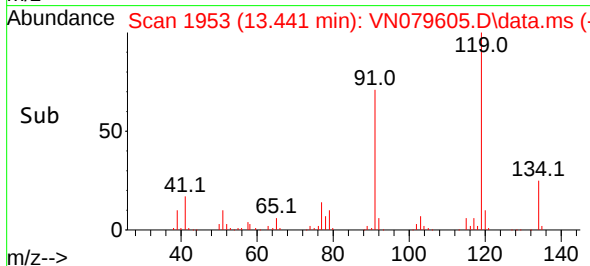
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



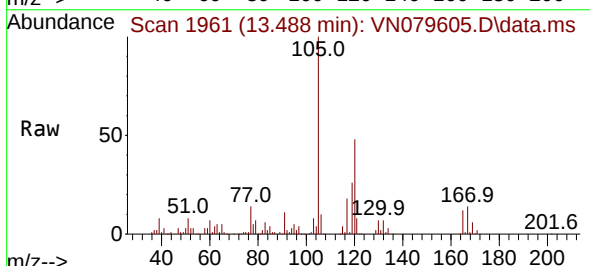
Tgt Ion:119 Resp: 16355
Ion Ratio Lower Upper
119 100
91 70.9 0.0 140.6
134 25.2 0.0 49.8

Manual Integrations
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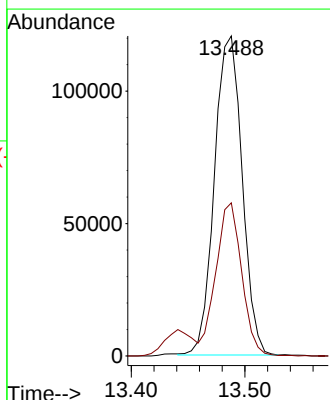
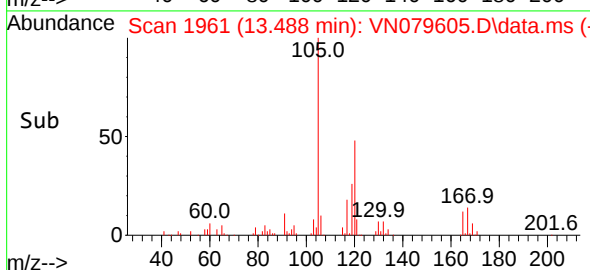
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

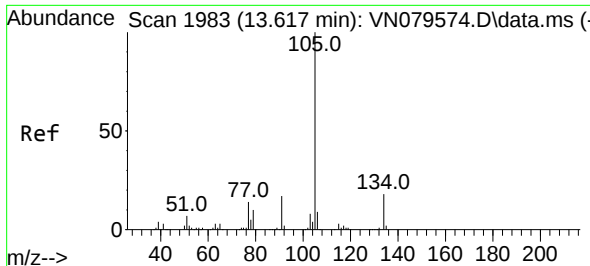


#80
1,2,4-Trimethylbenzene
Concen: 20.432 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13



Tgt Ion:105 Resp: 204220
Ion Ratio Lower Upper
105 100
120 44.9 0.0 88.6





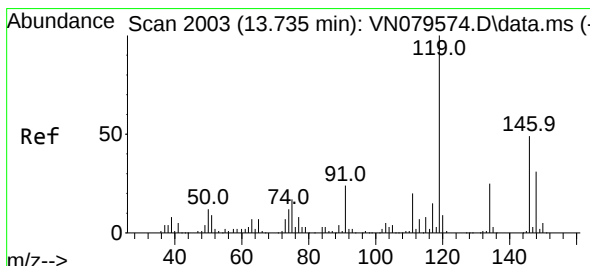
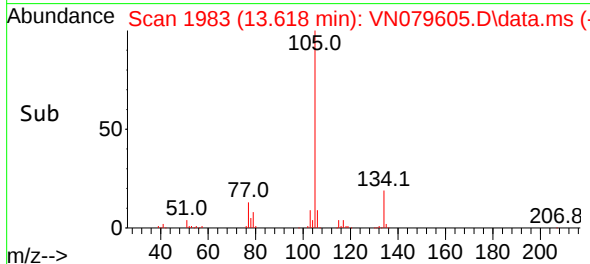
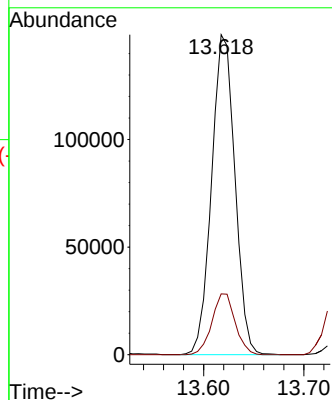
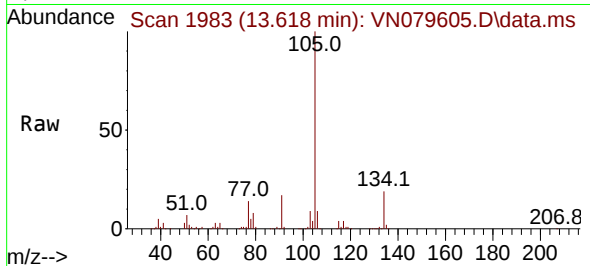
#81
 sec-Butylbenzene
 Concen: 20.681 ug/l
 RT: 13.618 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN079605.D
 Acq: 18 Oct 2023 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:105 Resp: 240780
 Ion Ratio Lower Upper
 105 100
 134 18.9 0.0 38.2

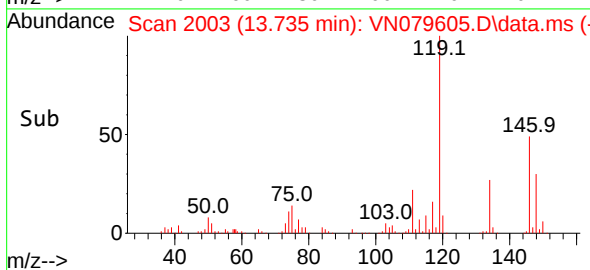
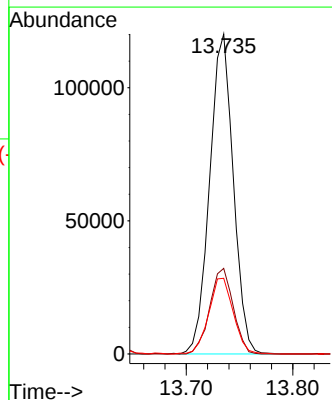
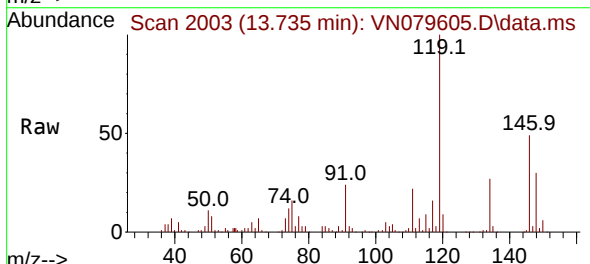
Manual Integrations
 APPROVED

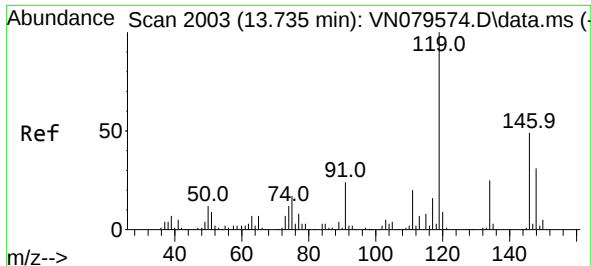
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#82
 p-Isopropyltoluene
 Concen: 20.071 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN079605.D
 Acq: 18 Oct 2023 17:13

Tgt Ion:119 Resp: 185372
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.2
 91 24.7 0.0 50.0





#83

1,3-Dichlorobenzene

Concen: 20.078 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

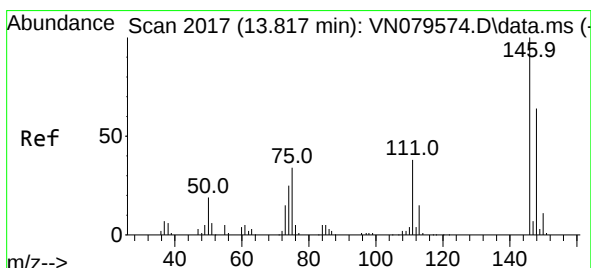
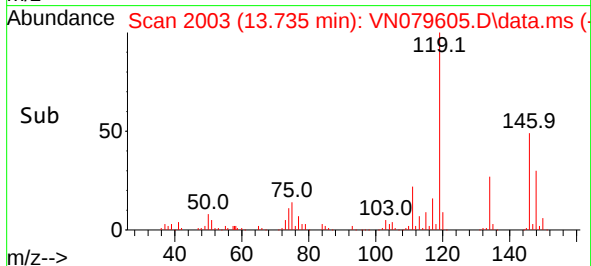
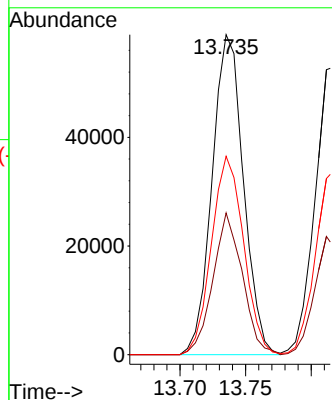
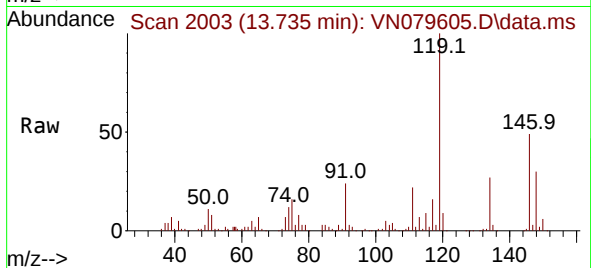
Tgt Ion:146 Resp: 9786
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.0 63.0
 148 63.7 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#84

1,4-Dichlorobenzene

Concen: 19.256 ug/l

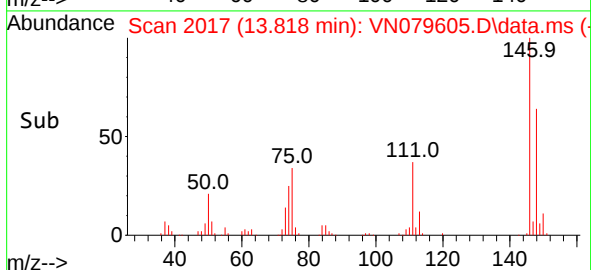
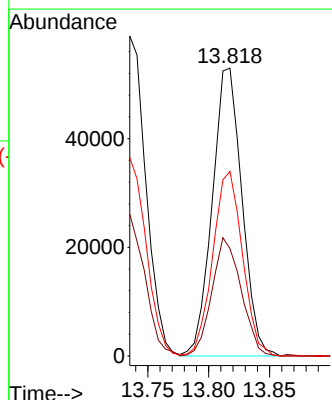
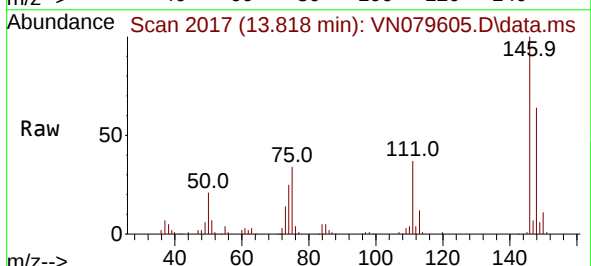
RT: 13.818 min Scan# 2017

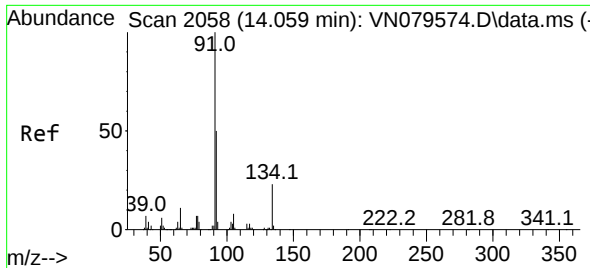
Delta R.T. 0.000 min

Lab File: VN079605.D

Acq: 18 Oct 2023 17:13

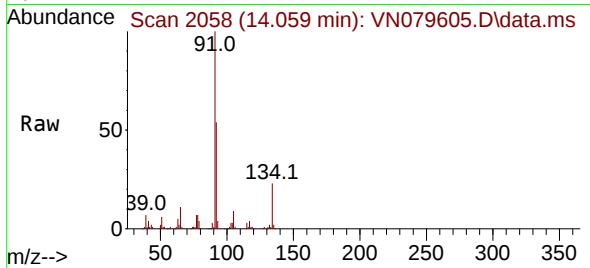
Tgt Ion:146 Resp: 89981
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.9 59.7
 148 64.0 32.6 97.7





#85
n-Butylbenzene
Concen: 19.348 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

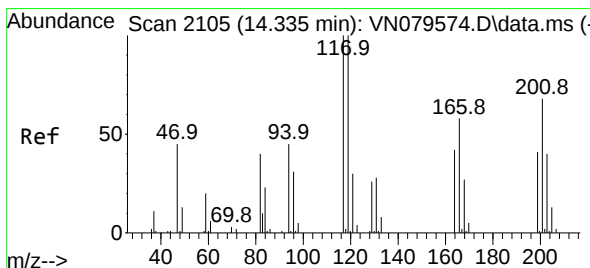
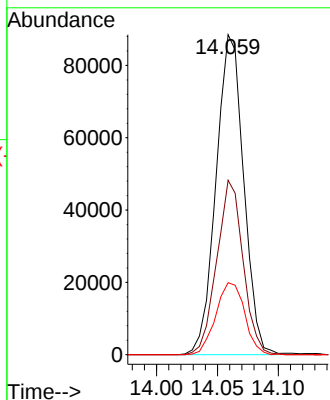
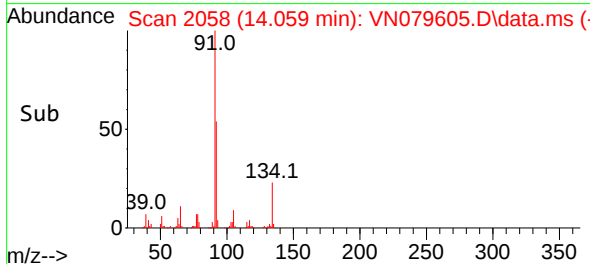
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 91 Resp: 139614
Ion Ratio Lower Upper
91 100
92 51.9 0.0 99.6
134 23.5 0.0 46.2

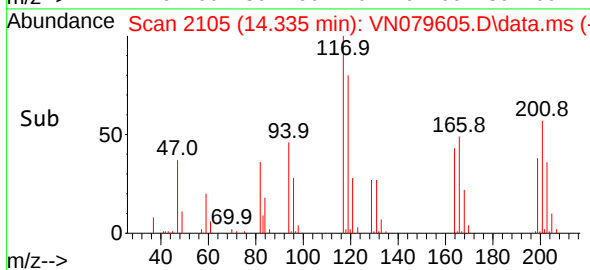
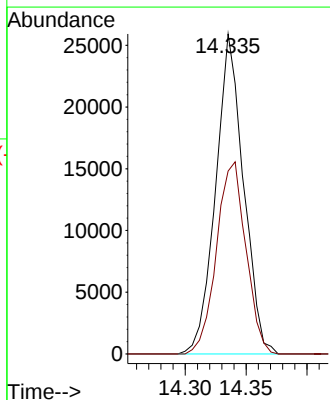
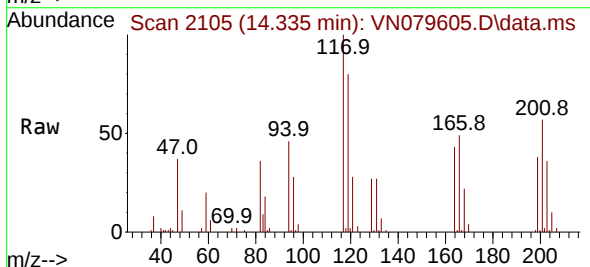
Manual Integrations
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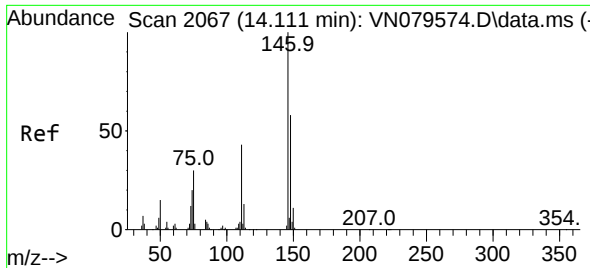
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#86
Hexachloroethane
Concen: 20.638 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Tgt Ion:117 Resp: 41207
Ion Ratio Lower Upper
117 100
201 63.4 32.5 97.5





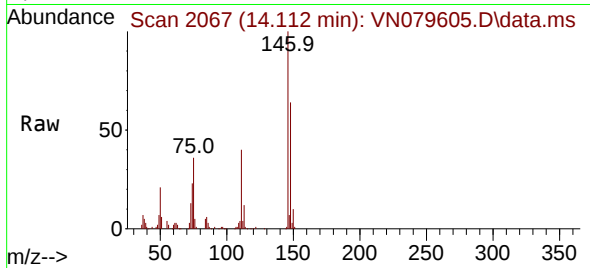
#87
1,2-Dichlorobenzene
Concen: 19.843 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



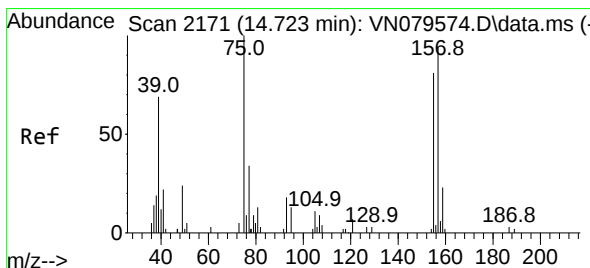
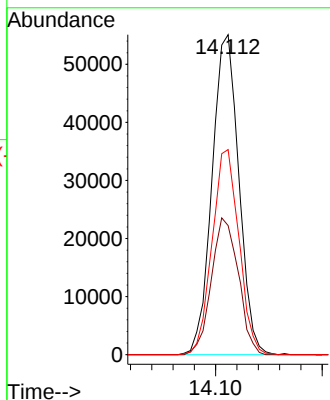
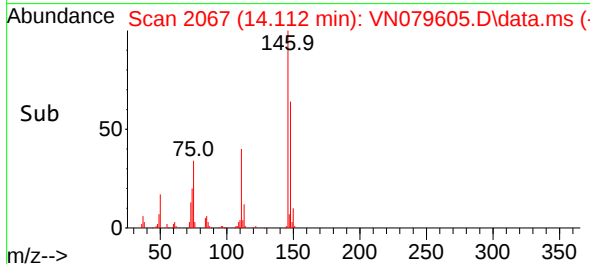
Tgt Ion:146 Resp: 96130
Ion Ratio Lower Upper
146 100
111 43.0 22.0 66.0
148 64.2 31.1 93.5

Manual Integrations

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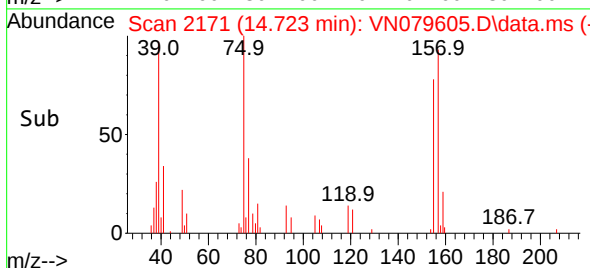
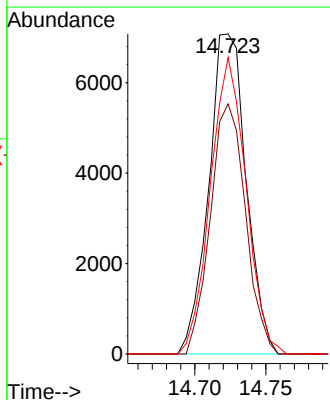
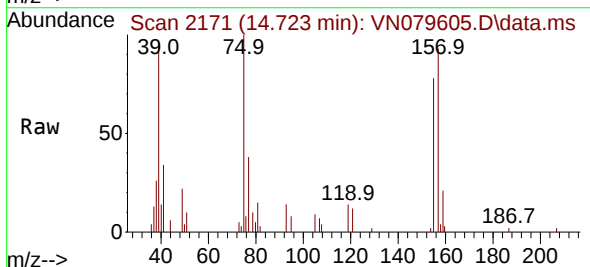
Reviewed By :John Carlone 10/19/2023

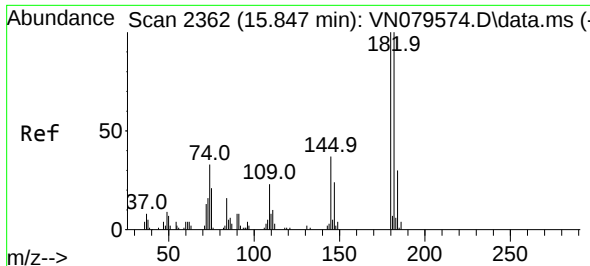
Supervised By :Mahesh Dadoda 10/20/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 19.034 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

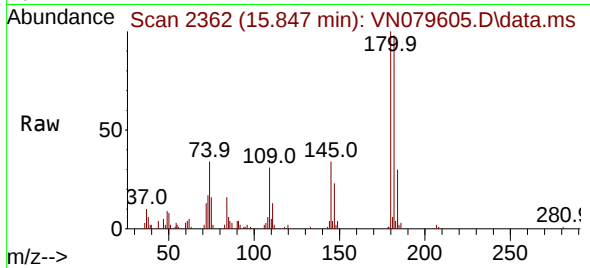
Tgt Ion: 75 Resp: 13013
Ion Ratio Lower Upper
75 100
155 73.2 60.7 91.1
157 88.1 76.8 115.2





#89
1,2,4-Trichlorobenzene
Concen: 16.656 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

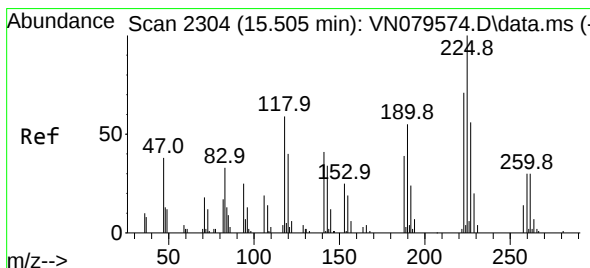
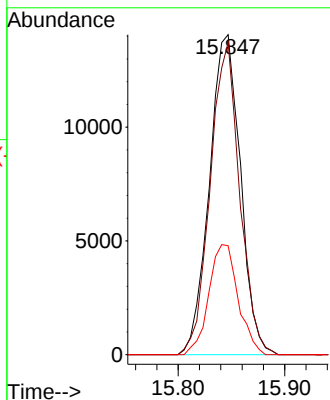
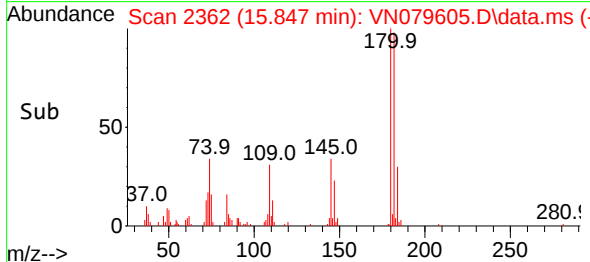
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



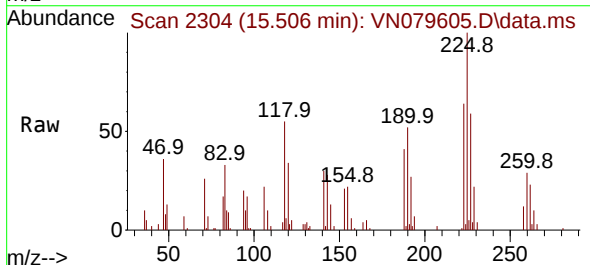
Tgt Ion:180 Resp: 2844
Ion Ratio Lower Upper
180 100
182 92.6 74.2 111.4
145 32.5 25.4 38.2

Manual Integrations
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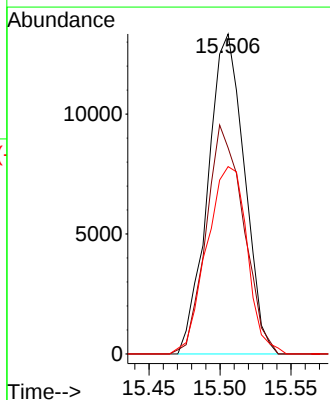
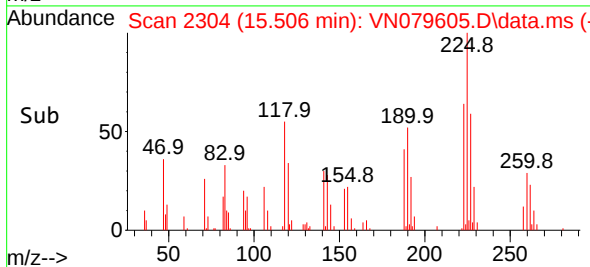
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

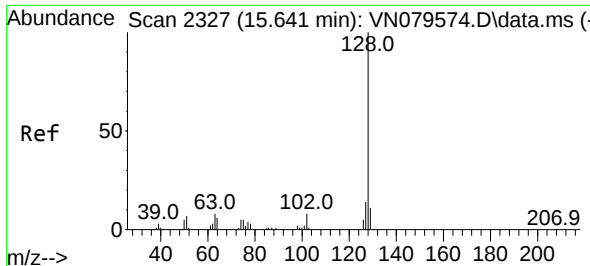


#90
Hexachlorobutadiene
Concen: 19.744 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13



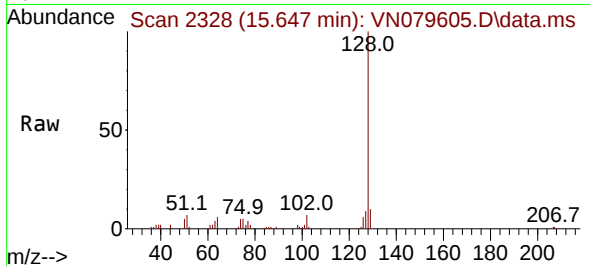
Tgt Ion:225 Resp: 23882
Ion Ratio Lower Upper
225 100
223 73.0 0.0 126.0
227 64.6 0.0 127.0





#91
Naphthalene
Concen: 12.633 ug/l
RT: 15.647 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

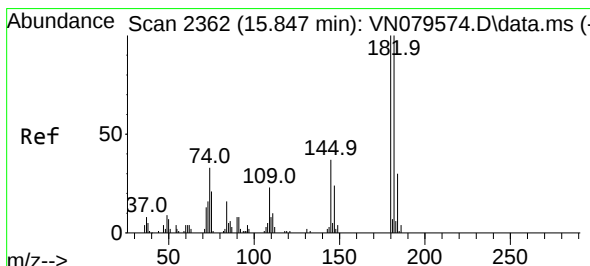
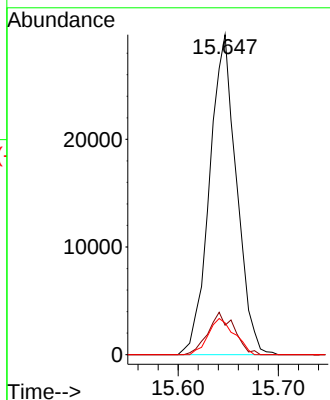
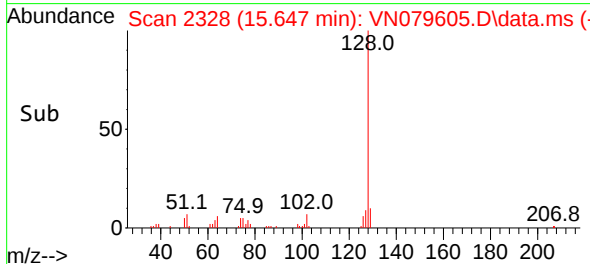
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 55640
Ion Ratio Lower Upper
128 100
127 12.9 10.9 16.3
129 11.0 8.6 12.8

Manual Integrations
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Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#92
1,2,3-Trichlorobenzene
Concen: 16.656 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.000 min
Lab File: VN079605.D
Acq: 18 Oct 2023 17:13

Tgt Ion:180 Resp: 28442
Ion Ratio Lower Upper
180 100
182 92.6 0.0 185.6
145 32.5 0.0 63.6

