

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080477.D
 Acq On : 14 Dec 2023 11:38
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2023
 Supervised By : Mahesh Dadoda 12/15/2023

Quant Time: Dec 15 00:23:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	280206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	432277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	388525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	183151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	188396	52.641	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.280%			
35) Dibromofluoromethane	8.171	113	141794	51.734	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.460%			
50) Toluene-d8	10.565	98	522743	51.140	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.280%			
62) 4-Bromofluorobenzene	12.853	95	192886	49.694	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	184758	51.597	ug/l	99
3) Chloromethane	2.359	50	169584	44.772	ug/l	99
4) Vinyl Chloride	2.518	62	142543	46.612	ug/l	97
5) Bromomethane	2.953	94	65455	47.475	ug/l	98
6) Chloroethane	3.124	64	86793	44.169	ug/l	100
7) Trichlorofluoromethane	3.500	101	318615	51.369	ug/l	95
8) Diethyl Ether	3.959	74	95665	48.967	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	147486	50.168	ug/l	94
10) Methyl Iodide	4.589	142	111935	43.287	ug/l #	87
11) Tert butyl alcohol	5.506	59	97200	230.609	ug/l	98
12) 1,1-Dichloroethene	4.342	96	143580	47.665	ug/l	91
13) Acrolein	4.171	56	104085	225.491	ug/l	96
14) Allyl chloride	5.024	41	176457	47.347	ug/l	95
15) Acrylonitrile	5.712	53	281028	235.970	ug/l	99
16) Acetone	4.424	43	178375	281.094	ug/l	94
17) Carbon Disulfide	4.712	76	397841	46.603	ug/l	99
18) Methyl Acetate	5.012	43	200056	48.996	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	503727	50.122	ug/l	99
20) Methylene Chloride	5.271	84	163070	48.018	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	157803	48.314	ug/l #	84
22) Diisopropyl ether	6.665	45	397867	49.463	ug/l	94
23) Vinyl Acetate	6.600	43	1105321	239.254	ug/l	94
24) 1,1-Dichloroethane	6.565	63	280710	50.018	ug/l	97
25) 2-Butanone	7.477	43	303020	247.878	ug/l	96
26) 2,2-Dichloropropane	7.488	77	290505	50.622	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	178592	48.306	ug/l	88
28) Bromochloromethane	7.812	49	106680	49.509	ug/l	99
29) Tetrahydrofuran	7.830	42	201070	229.695	ug/l	94
30) Chloroform	7.965	83	319816	51.338	ug/l	92
31) Cyclohexane	8.253	56	215505	44.280	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	317038	51.979	ug/l	99
36) 1,1-Dichloropropene	8.371	75	231512	51.661	ug/l	96
37) Ethyl Acetate	7.553	43	133882	47.708	ug/l	97
38) Carbon Tetrachloride	8.359	117	285021	53.228	ug/l	99
39) Methylcyclohexane	9.600	83	224290	48.178	ug/l #	90
40) Benzene	8.606	78	644055	49.770	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	75433	46.626	ug/l	96
42) 1,2-Dichloroethane	8.671	62	255981	53.417	ug/l	98
43) Isopropyl Acetate	8.688	43	244241	48.405	ug/l	97
44) Trichloroethene	9.353	130	173312	49.679	ug/l	99
45) 1,2-Dichloropropane	9.624	63	151361	49.800	ug/l	96
46) Dibromomethane	9.706	93	110577	50.661	ug/l #	88
47) Bromodichloromethane	9.888	83	254589	54.424	ug/l	96
48) Methyl methacrylate	9.682	41	147510	48.989	ug/l	91
49) 1,4-Dioxane	9.688	88	41449	908.179	ug/l #	90
51) 4-Methyl-2-Pentanone	10.441	43	672304	241.932	ug/l	100
52) Toluene	10.629	92	420785	51.472	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	265007	52.360	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	278088	51.405	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	149994	50.991	ug/l	100
56) Ethyl methacrylate	10.876	69	165127	50.704	ug/l	92
57) 1,3-Dichloropropane	11.165	76	262845	50.973	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	493336	239.953	ug/l	99
59) 2-Hexanone	11.194	43	486073	236.934	ug/l	100
60) Dibromochloromethane	11.359	129	187348	53.748	ug/l	99
61) 1,2-Dibromoethane	11.471	107	153210	50.324	ug/l	97
64) Tetrachloroethene	11.106	164	145626	48.546	ug/l	98
65) Chlorobenzene	11.894	112	426802	49.382	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	174465	51.445	ug/l	93
67) Ethyl Benzene	11.965	91	799499	50.308	ug/l	96
68) m/p-Xylenes	12.071	106	593154	101.006	ug/l	88
69) o-Xylene	12.400	106	283032	49.275	ug/l	88
70) Styrene	12.412	104	425689	51.451	ug/l	93
71) Bromoform	12.576	173	118705	47.999	ug/l #	98
73) Isopropylbenzene	12.694	105	753719	51.228	ug/l	98
74) N-amyl acetate	12.494	43	199472	46.427	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	180516	45.787	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	168568m	46.135	ug/l	
77) Bromobenzene	12.982	156	178621	49.351	ug/l	96
78) n-propylbenzene	13.035	91	841449	51.871	ug/l	99
79) 2-Chlorotoluene	13.123	91	529894	50.034	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	646917	51.053	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	64030	46.011	ug/l	89
82) 4-Chlorotoluene	13.223	91	556445	51.116	ug/l	95
83) tert-Butylbenzene	13.441	119	523393	50.435	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	650570	51.608	ug/l	98
85) sec-Butylbenzene	13.617	105	664656	50.068	ug/l	100
86) p-Isopropyltoluene	13.729	119	608719	50.784	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	317330	49.762	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	311584	48.405	ug/l	96
89) n-Butylbenzene	14.059	91	507704	50.720	ug/l	100
90) Hexachloroethane	14.335	117	99386	52.210	ug/l	73
91) 1,2-Dichlorobenzene	14.106	146	298590	49.310	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	40955	49.386	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	178740	53.164	ug/l	99
94) Hexachlorobutadiene	15.500	225	92510	48.333	ug/l	99
95) Naphthalene	15.641	128	515554	50.499	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	165547	51.026	ug/l	99

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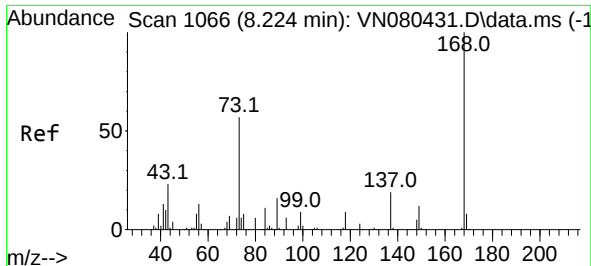
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

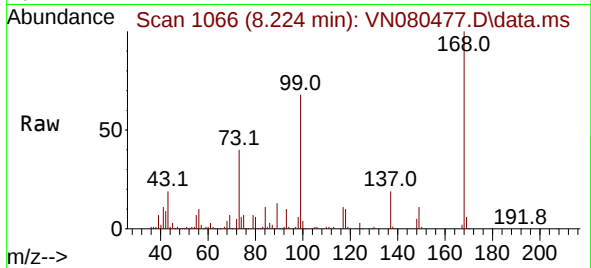
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080477.D
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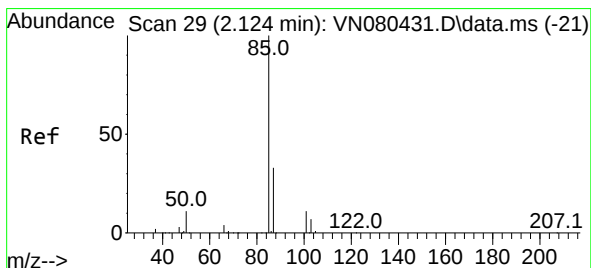
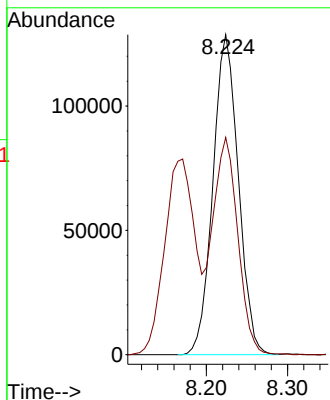
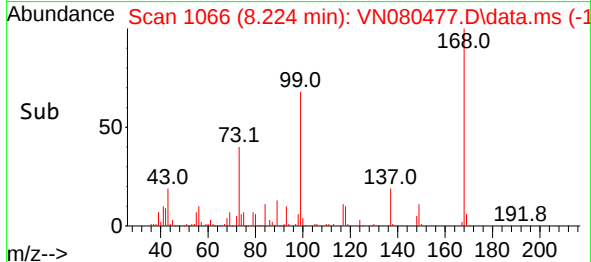
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VSTDCCC050



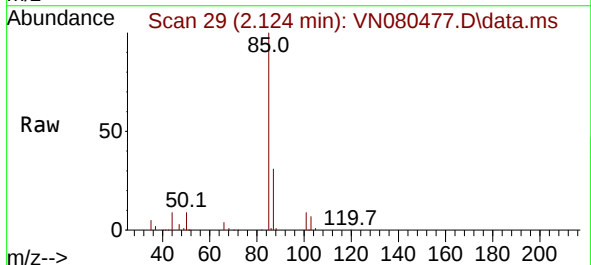
Tgt Ion:168 Resp: 280200
Ion Ratio Lower Upper
168 100
99 67.6 53.0 79.6

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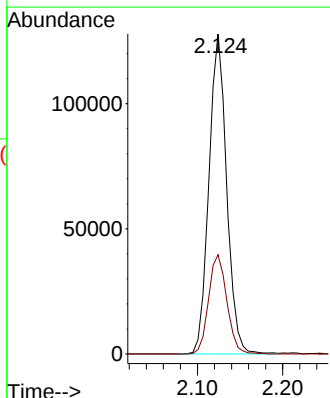
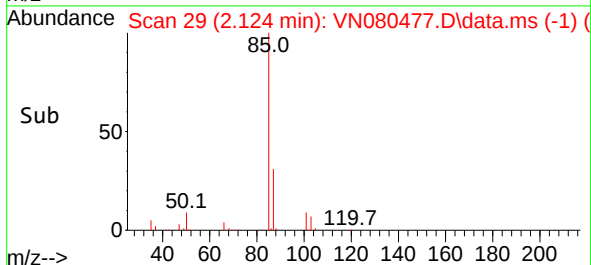
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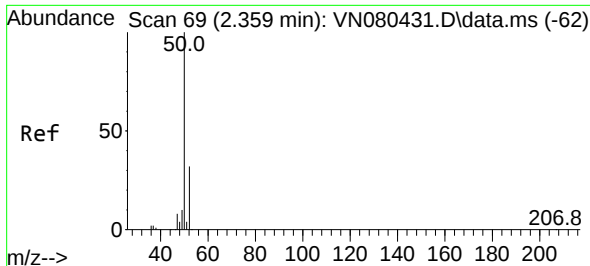


#2
Dichlorodifluoromethane
Concen: 51.597 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



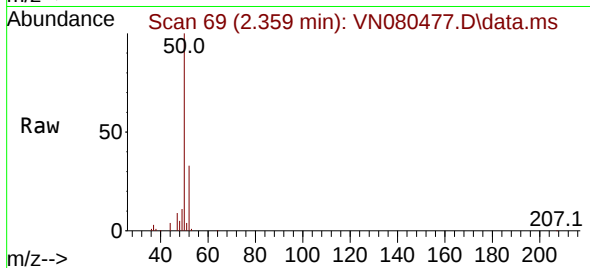
Tgt Ion: 85 Resp: 184758
Ion Ratio Lower Upper
85 100
87 31.0 15.8 47.4





#3
Chloromethane
Concen: 44.772 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

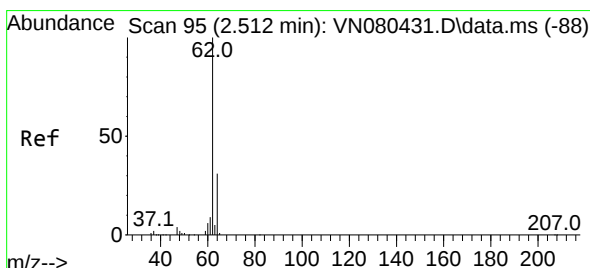
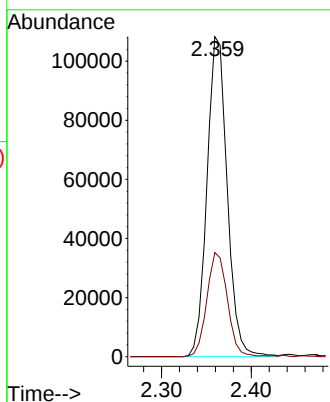
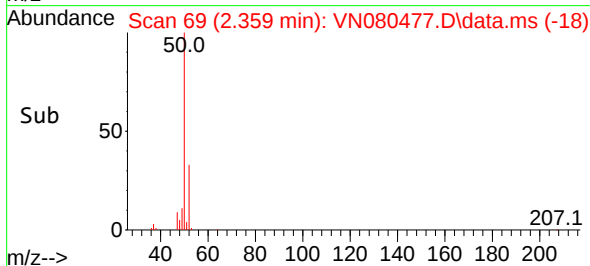
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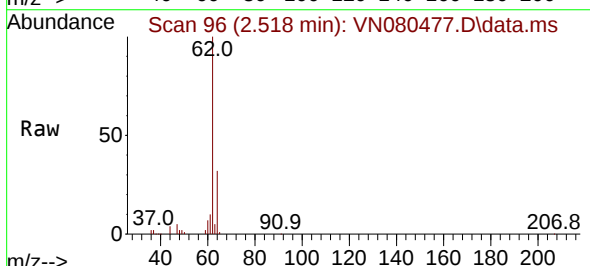
Tgt Ion: 50 Resp: 169584
Ion Ratio Lower Upper
50 100
52 32.6 26.5 39.7

Manual Integrations
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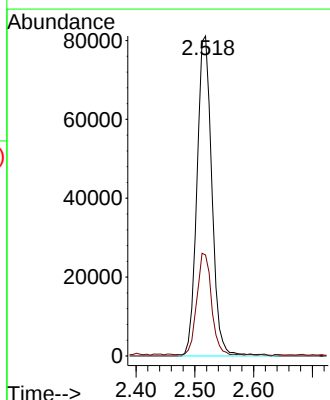
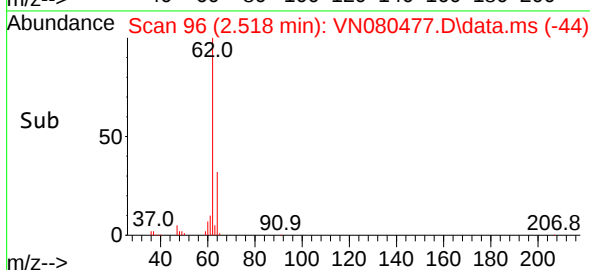
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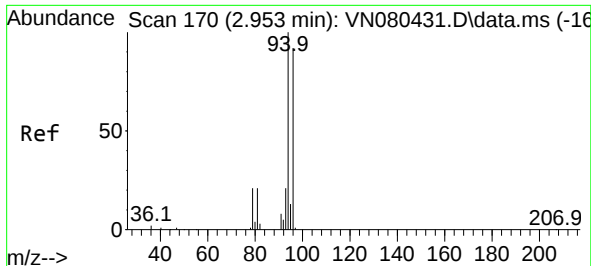


#4
Vinyl Chloride
Concen: 46.612 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



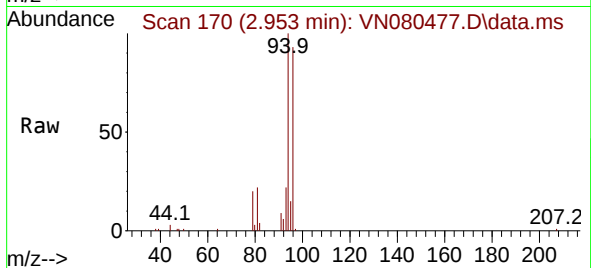
Tgt Ion: 62 Resp: 142543
Ion Ratio Lower Upper
62 100
64 31.1 26.2 39.2





#5
Bromomethane
Concen: 47.475 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

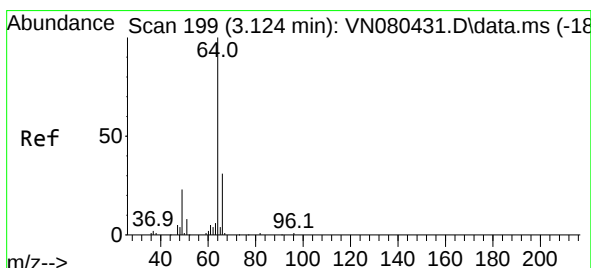
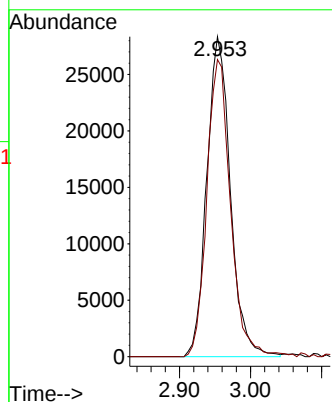
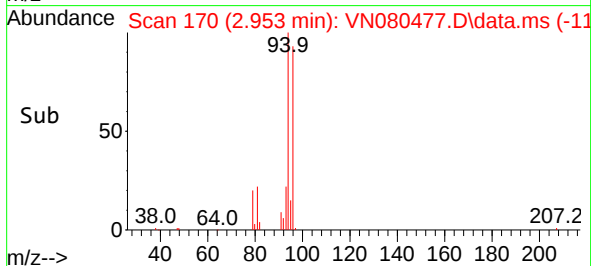
Instrument :
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Tgt Ion: 94 Resp: 6545
Ion Ratio Lower Upper
94 100
96 92.9 73.1 109.7

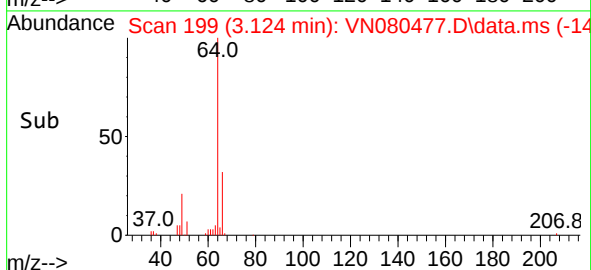
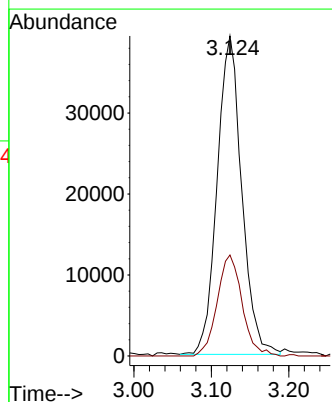
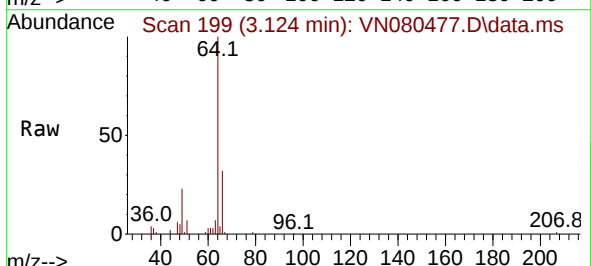
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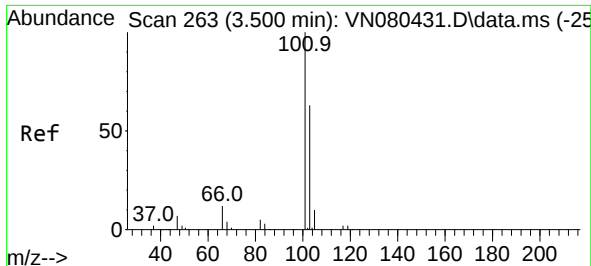
Reviewed By :John Carlone 12/15/2023
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#6
Chloroethane
Concen: 44.169 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
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Acq: 14 Dec 2023 11:38

Tgt Ion: 64 Resp: 86793
Ion Ratio Lower Upper
64 100
66 31.7 25.4 38.2





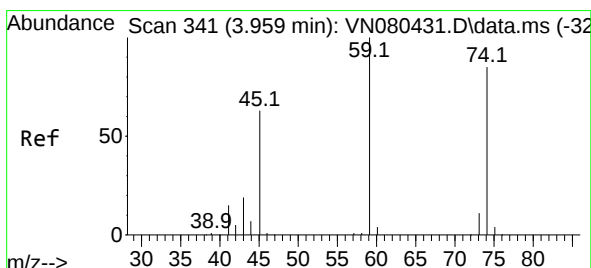
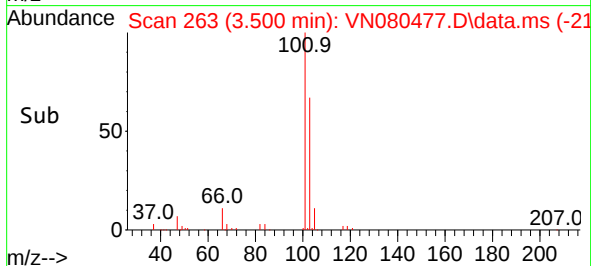
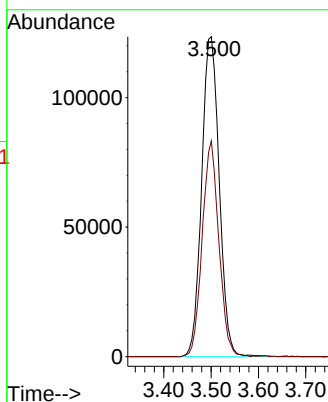
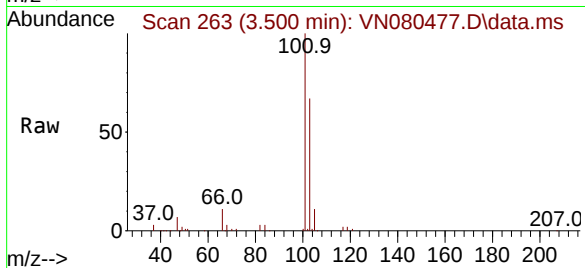
#7
Trichlorofluoromethane
Concen: 51.369 ug/l
RT: 3.500 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 31861
Ion Ratio Lower Upper
101 100
103 67.4 50.7 76.1

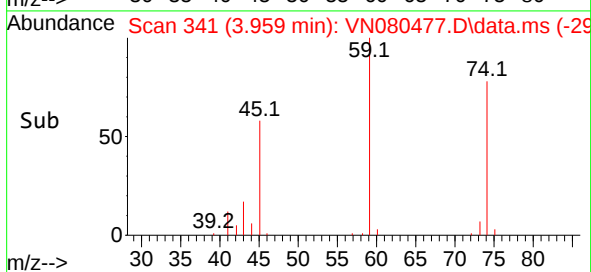
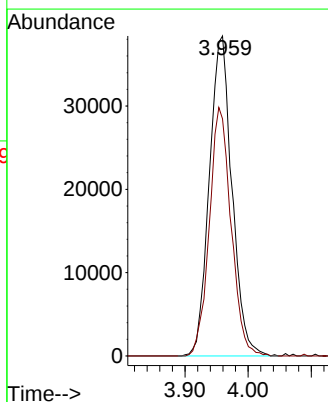
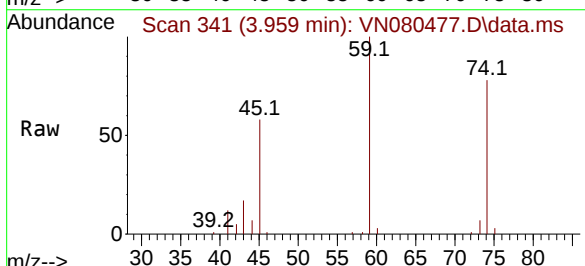
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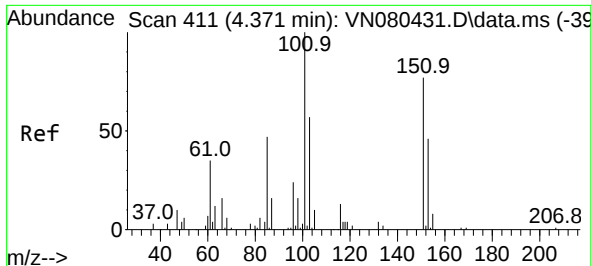
Reviewed By :John Carlone 12/15/2023
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#8
Diethyl Ether
Concen: 48.967 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 95665
Ion Ratio Lower Upper
74 100
45 74.5 34.4 103.3





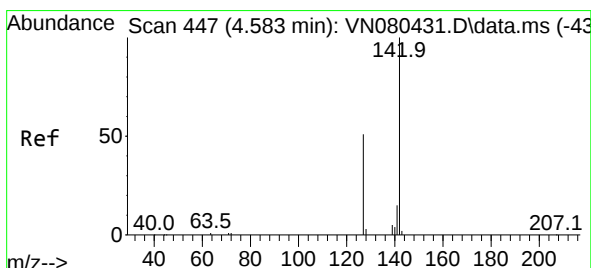
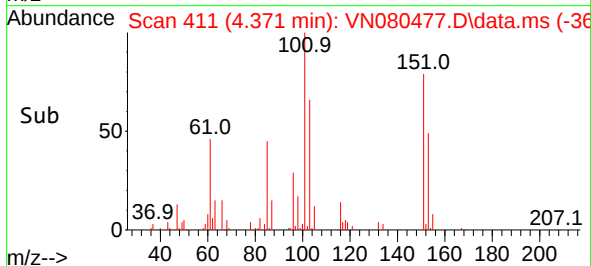
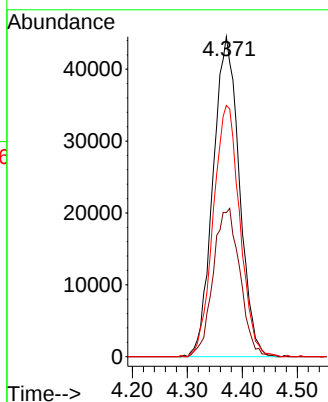
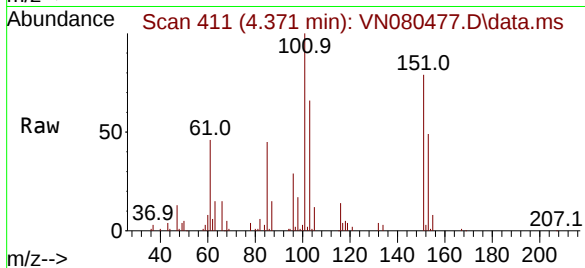
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.168 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 147486
Ion Ratio Lower Upper
101 100
85 47.3 36.6 55.0
151 79.6 57.6 86.4

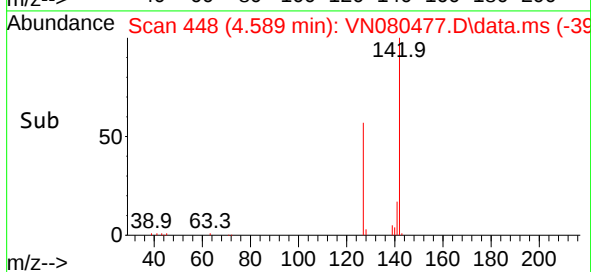
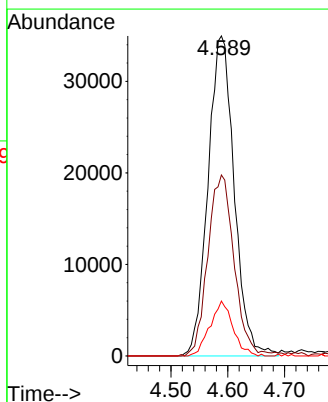
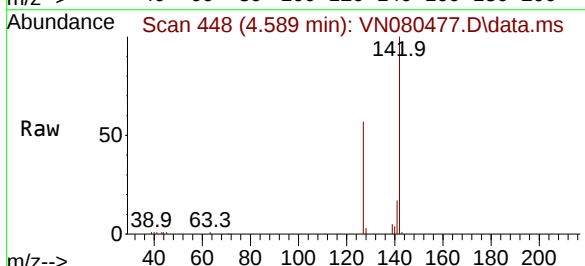
Manual Integrations
APPROVED

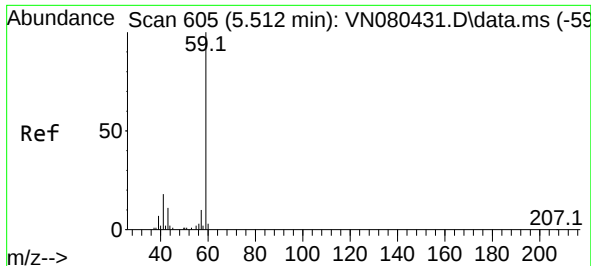
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#10
Methyl Iodide
Concen: 43.287 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

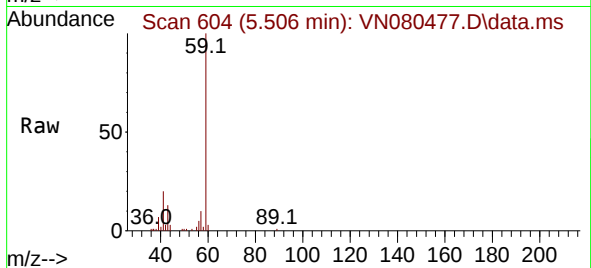
Tgt Ion:142 Resp: 111935
Ion Ratio Lower Upper
142 100
127 56.5 37.6 56.4#
141 17.1 11.4 17.0#





#11
Tert butyl alcohol
Concen: 230.609 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

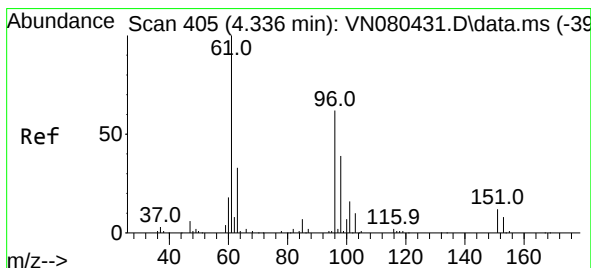
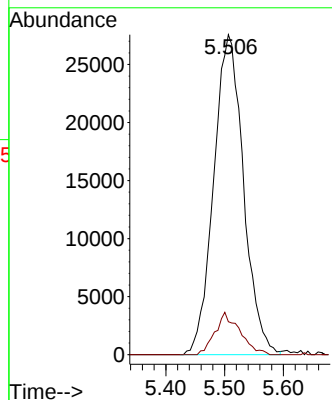
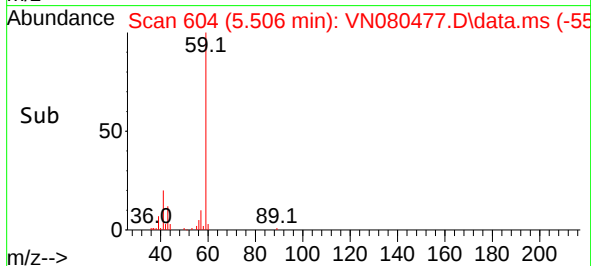
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



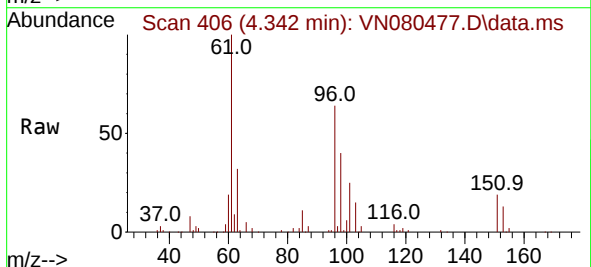
Tgt Ion: 59 Resp: 97200
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.4

Manual Integrations
APPROVED

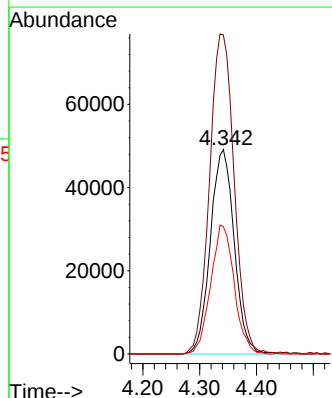
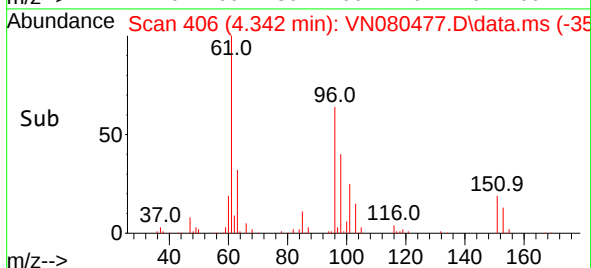
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

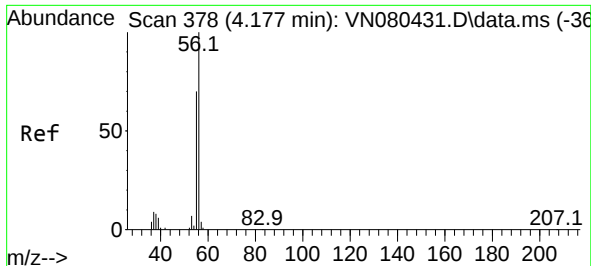


#12
1,1-Dichloroethene
Concen: 47.665 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



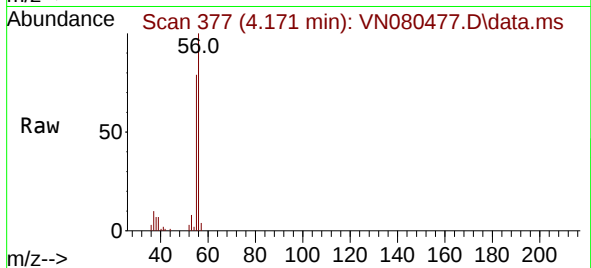
Tgt Ion: 96 Resp: 143580
Ion Ratio Lower Upper
96 100
61 156.2 112.7 169.1
98 62.3 51.2 76.8





#13
Acrolein
Concen: 225.491 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

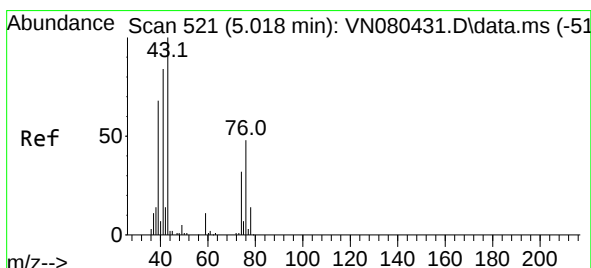
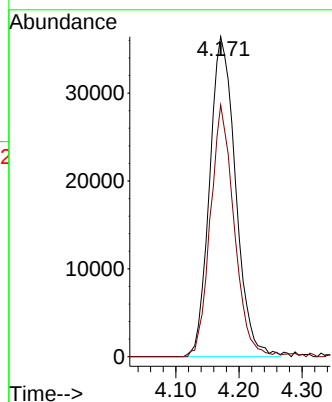
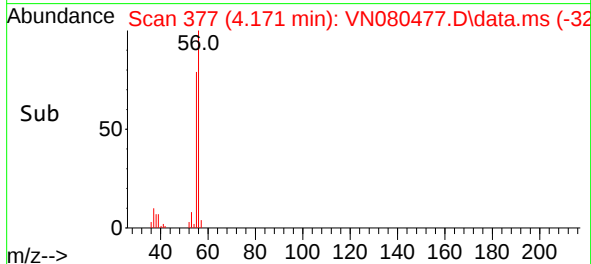
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 104085
Ion Ratio Lower Upper
56 100
55 71.7 54.5 81.7

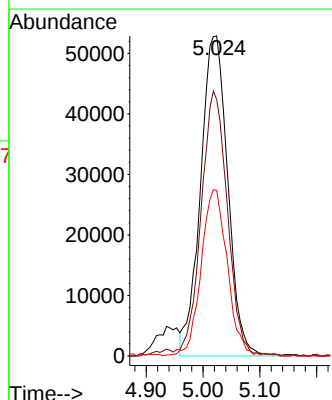
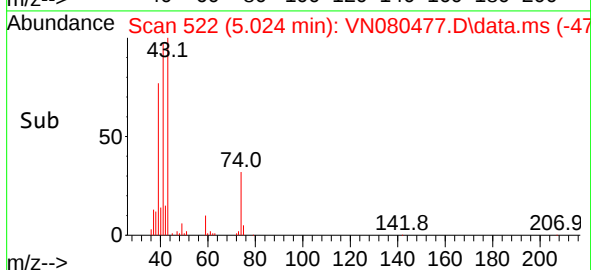
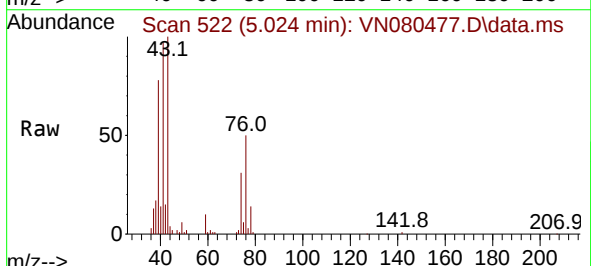
Manual Integrations
APPROVED

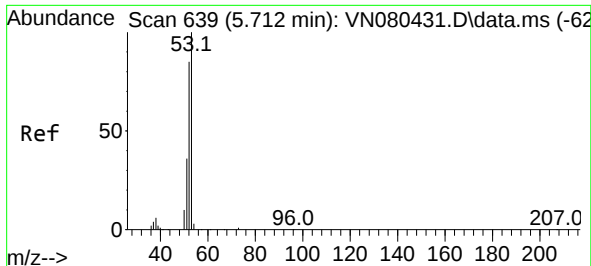
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#14
Allyl chloride
Concen: 47.347 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

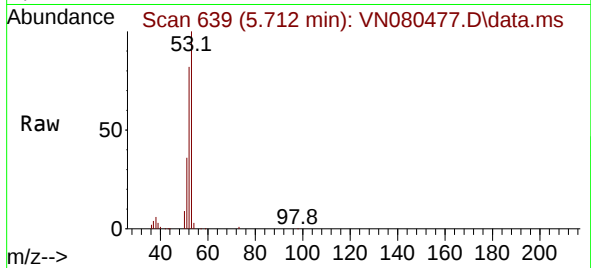
Tgt Ion: 41 Resp: 176457
Ion Ratio Lower Upper
41 100
39 79.0 58.8 88.2
76 49.9 39.1 58.7





#15
Acrylonitrile
Concen: 235.970 ug/l
RT: 5.712 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

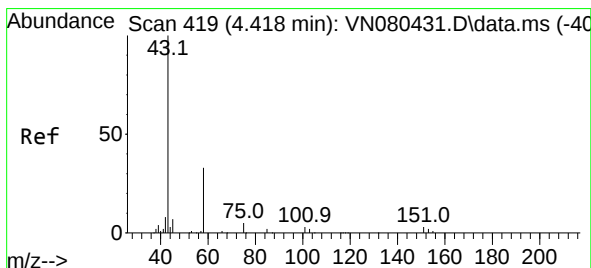
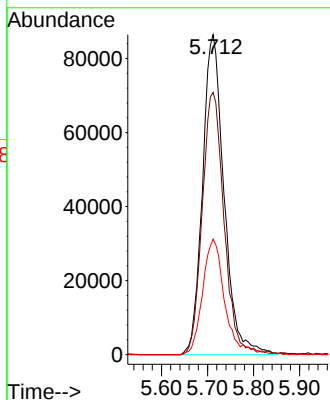
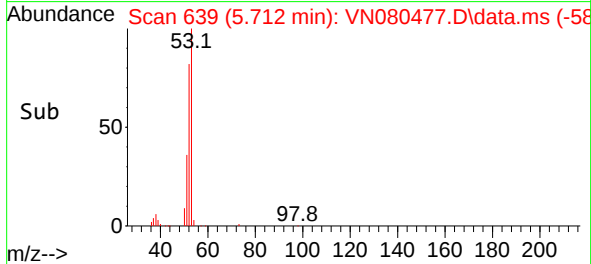
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 53 Resp: 281028
Ion Ratio Lower Upper
53 100
52 82.2 65.3 97.9
51 37.2 28.9 43.3

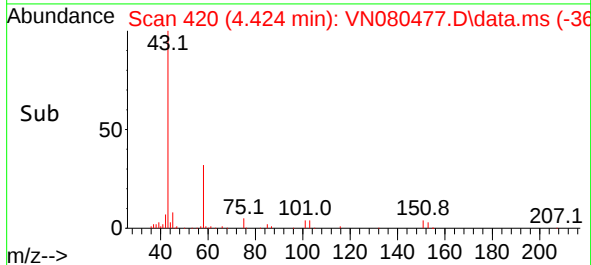
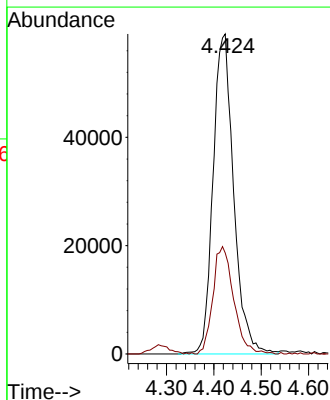
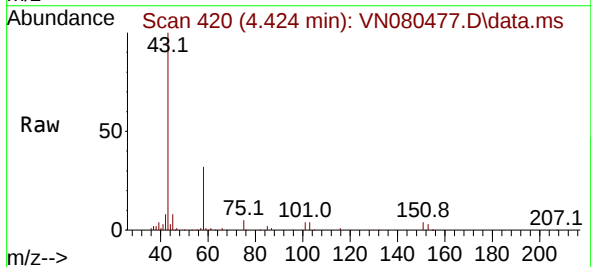
Manual Integrations
APPROVED

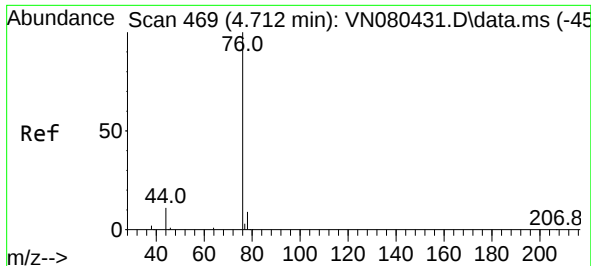
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#16
Acetone
Concen: 281.094 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

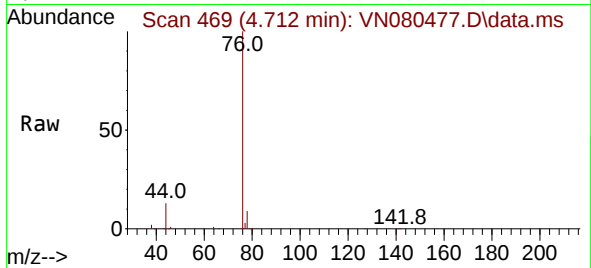
Tgt Ion: 43 Resp: 178375
Ion Ratio Lower Upper
43 100
58 31.6 28.0 42.0





#17
Carbon Disulfide
Concen: 46.603 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

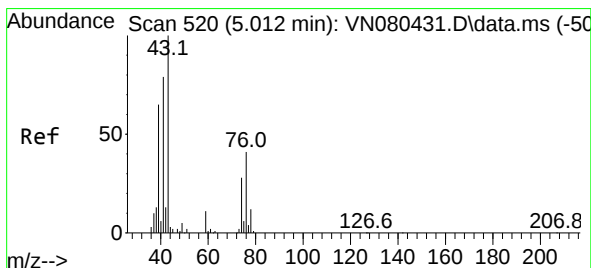
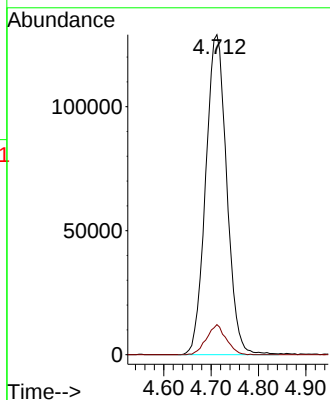
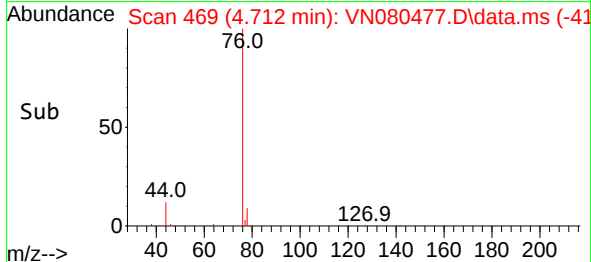
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



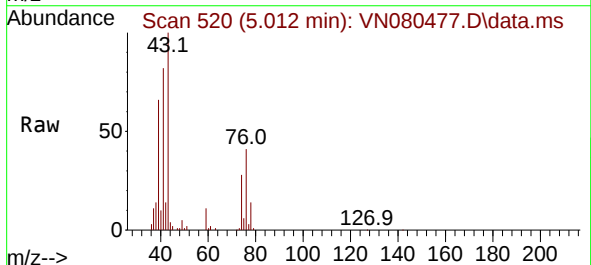
Tgt Ion: 76 Resp: 39784
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0

Manual Integrations
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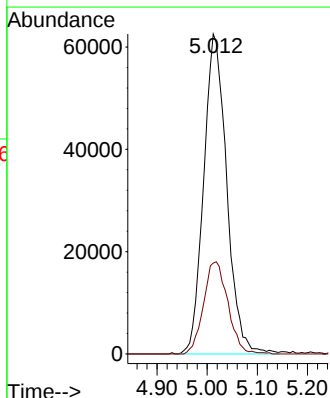
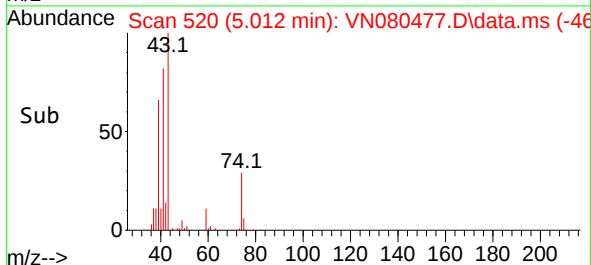
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

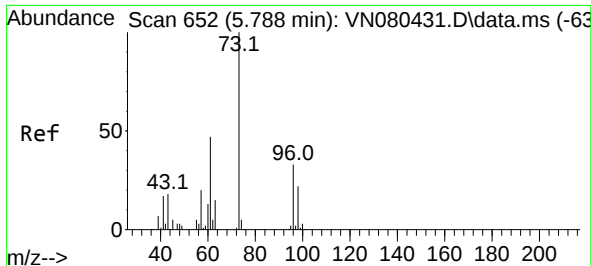


#18
Methyl Acetate
Concen: 48.996 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



Tgt Ion: 43 Resp: 200056
Ion Ratio Lower Upper
43 100
74 30.4 26.2 39.4





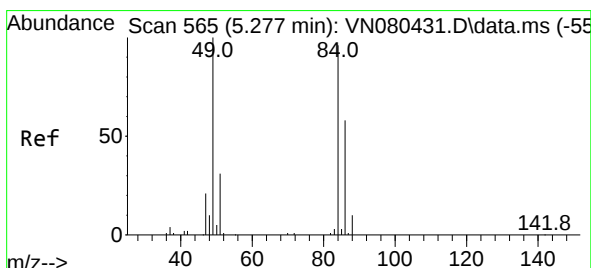
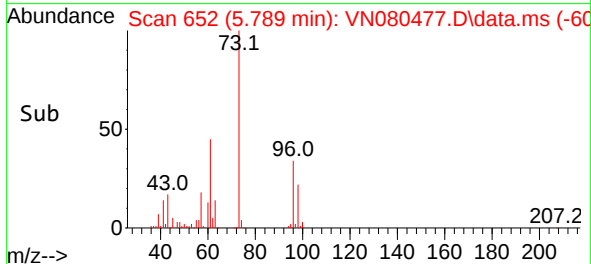
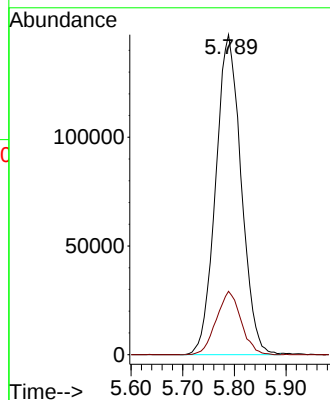
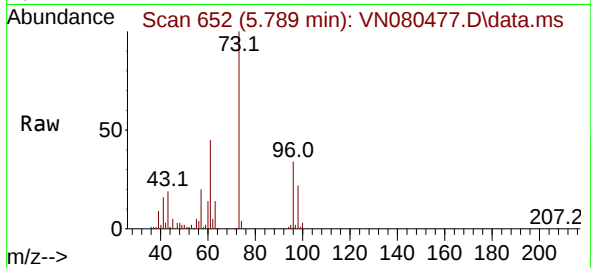
#19
Methyl tert-butyl Ether
Concen: 50.122 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 50372
Ion Ratio Lower Upper
73 100
57 19.8 15.6 23.4

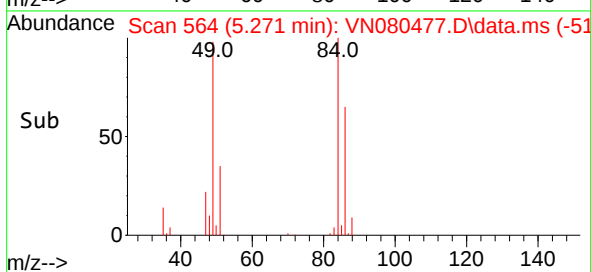
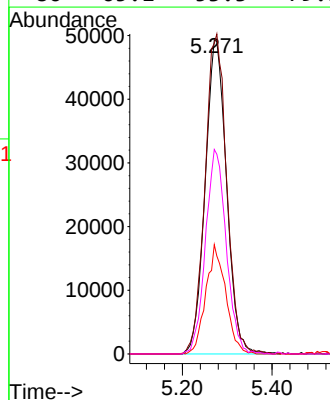
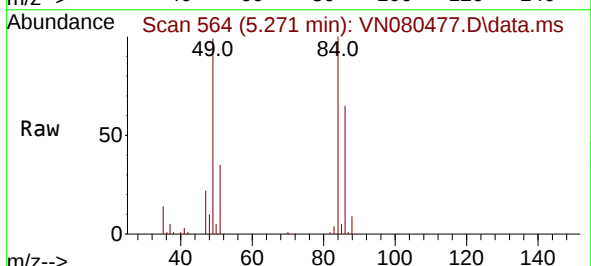
Manual Integrations
APPROVED

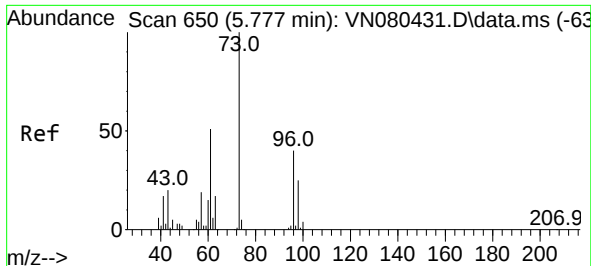
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#20
Methylene Chloride
Concen: 48.018 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Tgt Ion: 84 Resp: 163070
Ion Ratio Lower Upper
84 100
49 98.9 79.7 119.5
51 34.8 25.2 37.8
86 65.1 53.3 79.9





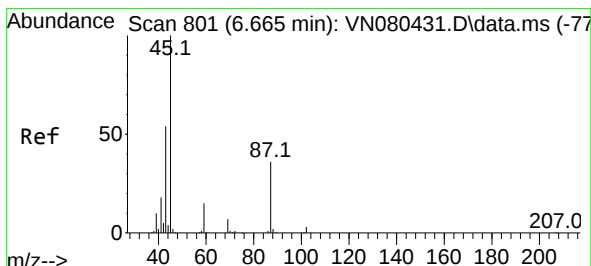
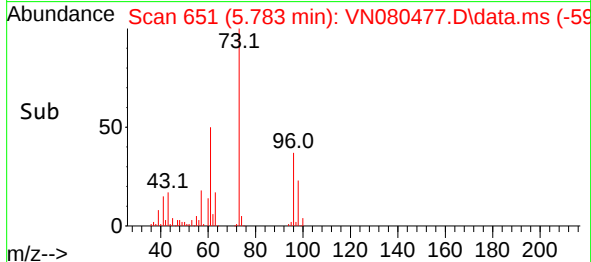
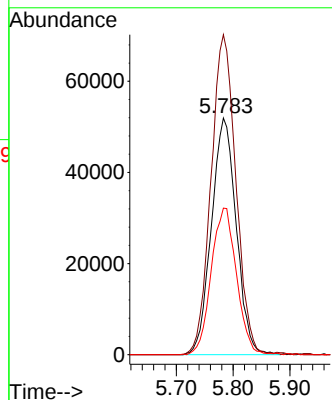
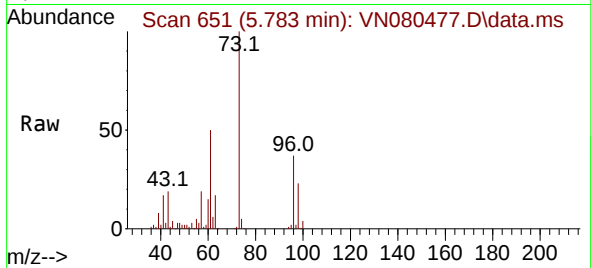
#21
trans-1,2-Dichloroethene
Concen: 48.314 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 15780
Ion Ratio Lower Upper
96 100
61 135.2 90.1 135.1
98 61.9 46.4 69.6

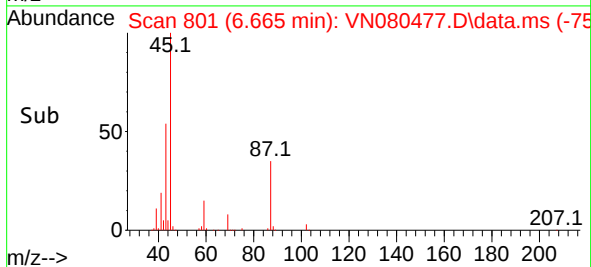
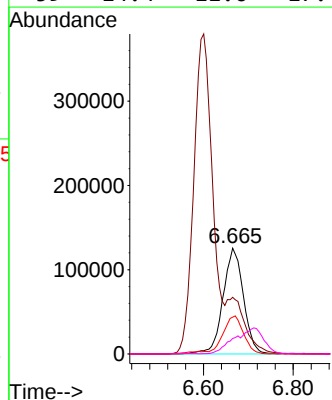
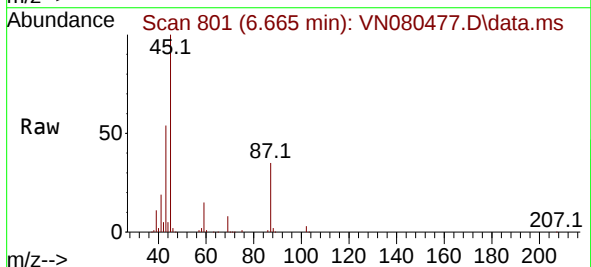
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#22
Diisopropyl ether
Concen: 49.463 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Tgt Ion: 45 Resp: 397867
Ion Ratio Lower Upper
45 100
43 52.8 45.5 68.3
87 34.7 31.8 47.8
59 14.4 11.6 17.4





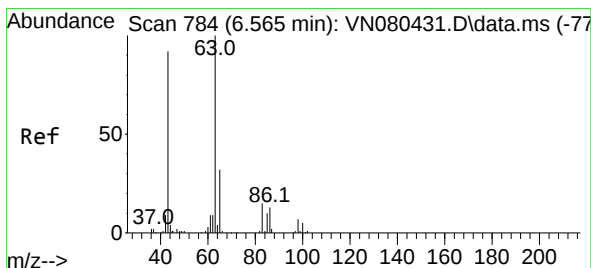
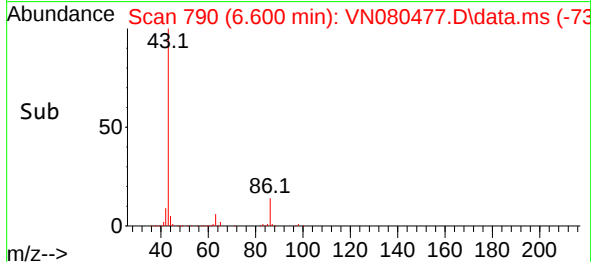
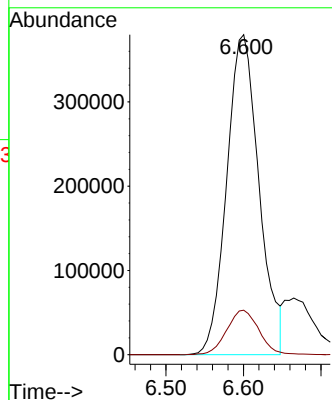
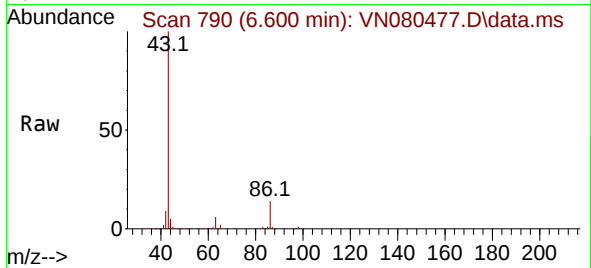
#23
 Vinyl Acetate
 Concen: 239.254 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: VN080477.D
 Acq: 14 Dec 2023 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 110532
 Ion Ratio Lower Upper
 43 100
 86 13.9 13.0 19.6

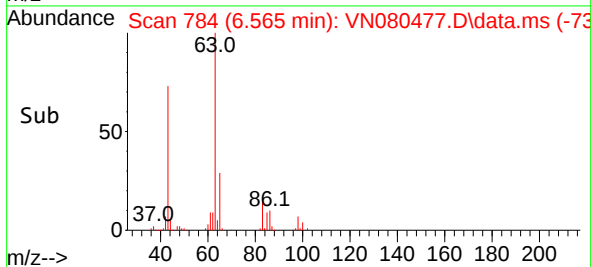
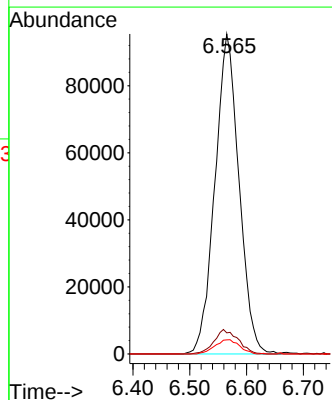
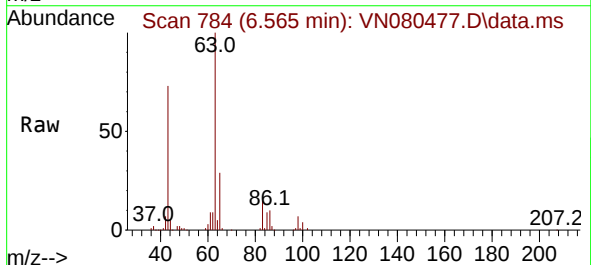
Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/15/2023
 Supervised By :Mahesh Dadoda 12/15/2023



#24
 1,1-Dichloroethane
 Concen: 50.018 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: VN080477.D
 Acq: 14 Dec 2023 11:38

Tgt Ion: 63 Resp: 280710
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.9 11.7
 100 4.4 2.5 7.4





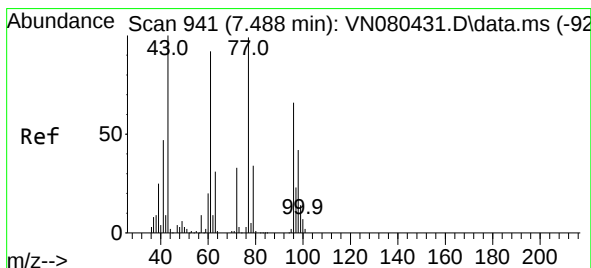
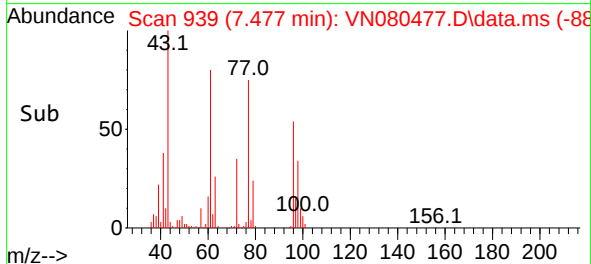
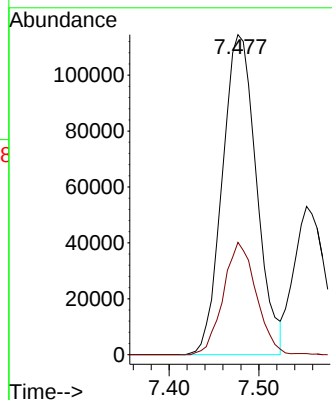
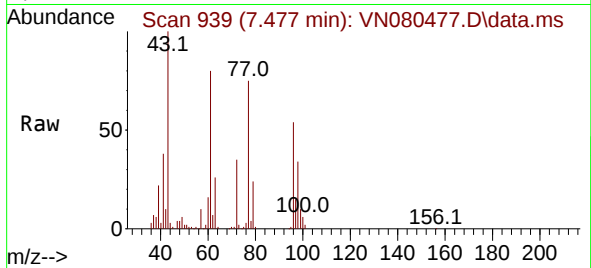
#25
2-Butanone
Concen: 247.878 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 303020
Ion Ratio Lower Upper
43 100
72 35.1 30.2 45.2

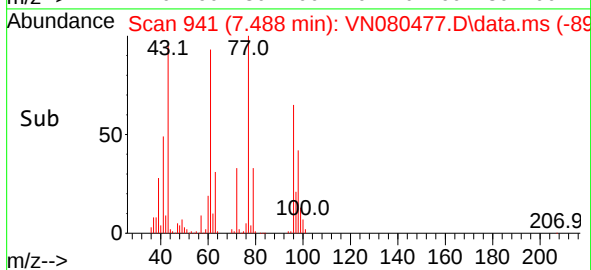
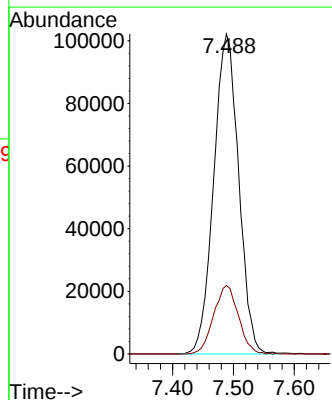
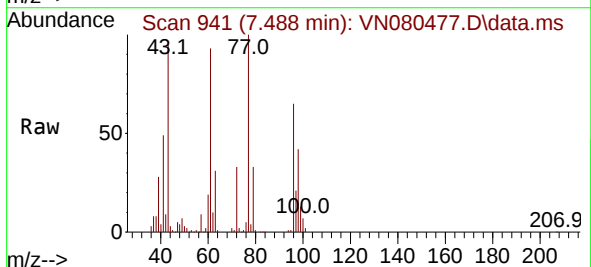
Manual Integrations
APPROVED

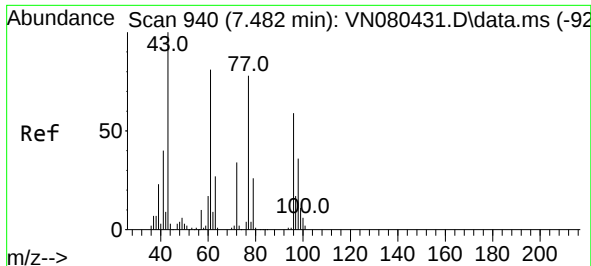
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#26
2,2-Dichloropropane
Concen: 50.622 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

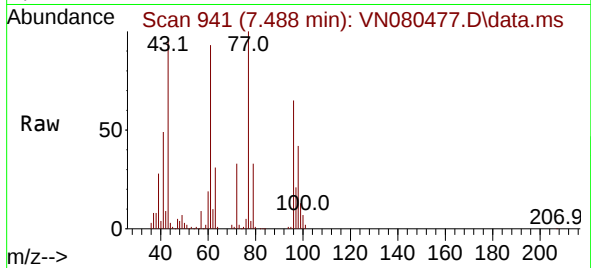
Tgt Ion: 77 Resp: 290505
Ion Ratio Lower Upper
77 100
97 21.2 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 48.306 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN080477.D
 Acq: 14 Dec 2023 11:38

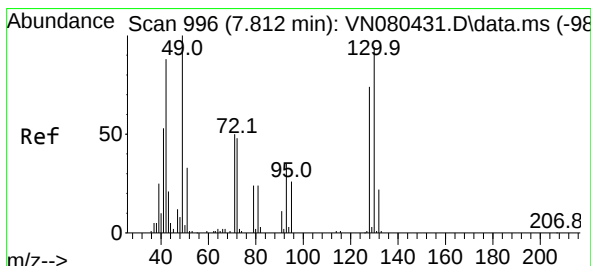
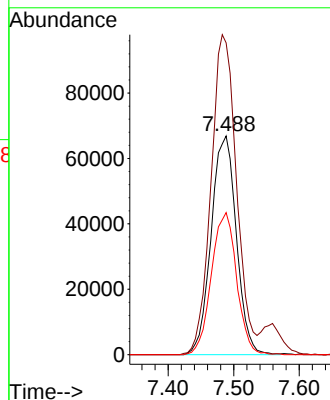
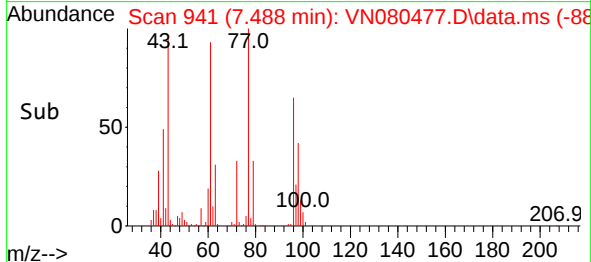
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 96 Resp: 178592
 Ion Ratio Lower Upper
 96 100
 61 147.8 0.0 255.2
 98 65.0 0.0 128.8

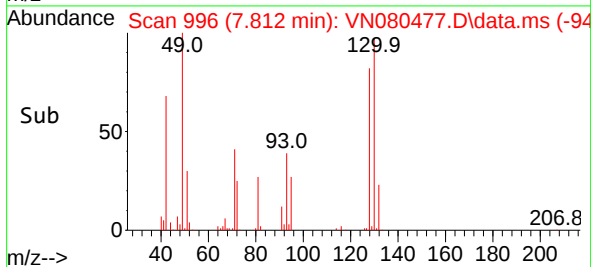
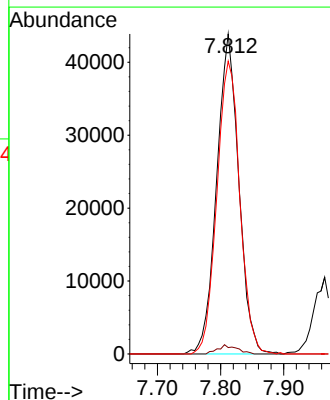
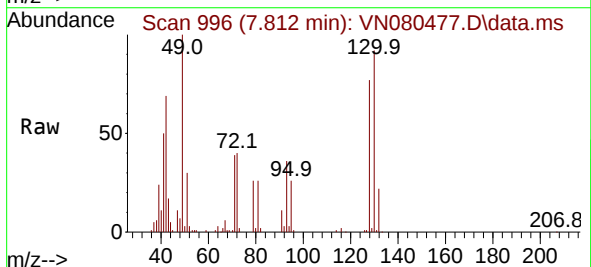
Manual Integrations
 APPROVED

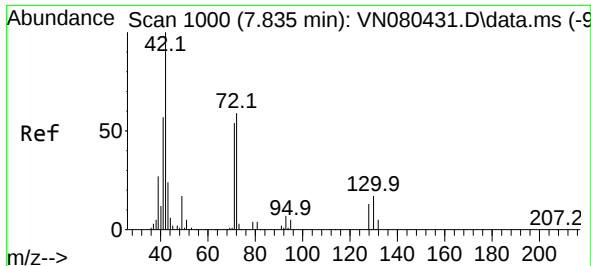
Reviewed By :John Carlone 12/15/2023
 Supervised By :Mahesh Dadoda 12/15/2023



#28
 Bromochloromethane
 Concen: 49.509 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. 0.000 min
 Lab File: VN080477.D
 Acq: 14 Dec 2023 11:38

Tgt Ion: 49 Resp: 106680
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.8
 130 94.7 75.3 112.9





#29

Tetrahydrofuran

Concen: 229.695 ug/l

RT: 7.830 min Scan# 999

Delta R.T. -0.006 min

Lab File: VN080477.D

Acq: 14 Dec 2023 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 201070

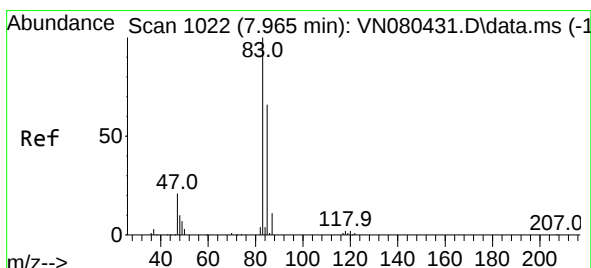
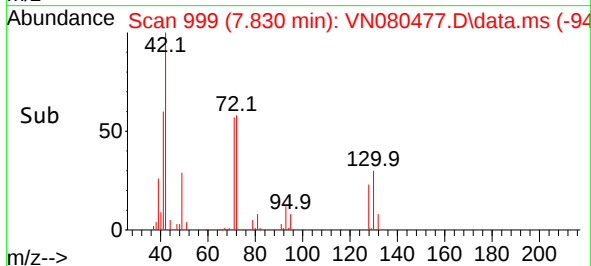
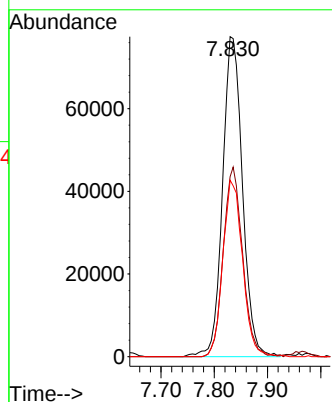
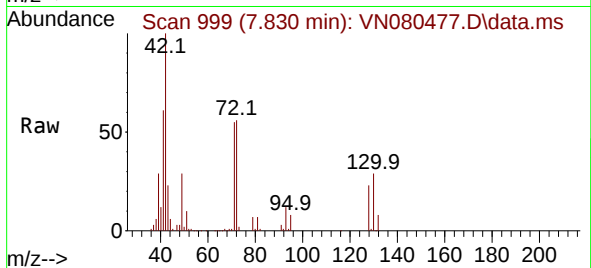
Ion	Ratio	Lower	Upper
42	100		
72	57.6	49.8	74.6
71	54.7	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2023

Supervised By :Mahesh Dadoda 12/15/2023



#30

Chloroform

Concen: 51.338 ug/l

RT: 7.965 min Scan# 1022

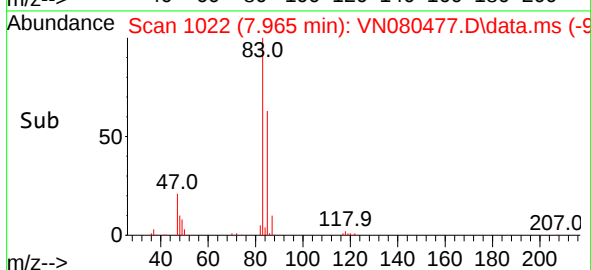
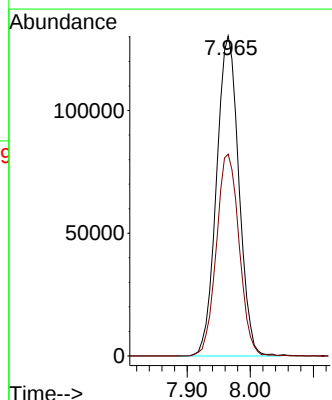
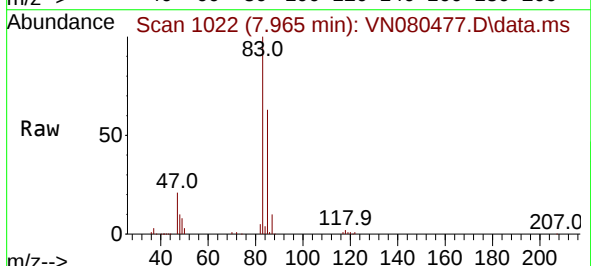
Delta R.T. 0.000 min

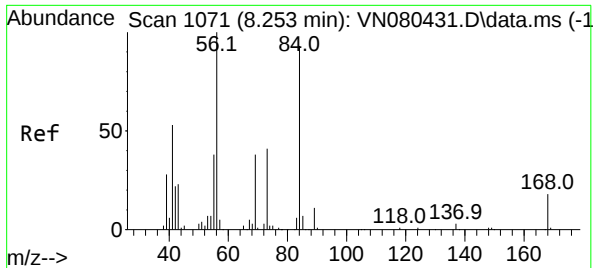
Lab File: VN080477.D

Acq: 14 Dec 2023 11:38

Tgt Ion: 83 Resp: 319816

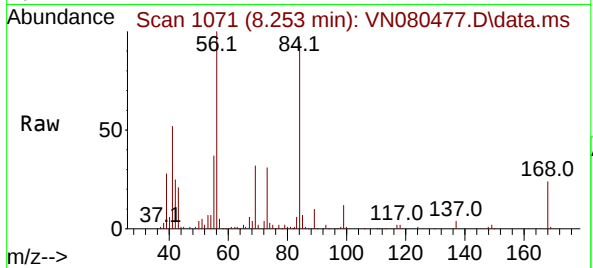
Ion	Ratio	Lower	Upper
83	100		
85	63.0	55.4	83.0





#31
Cyclohexane
Concen: 44.280 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

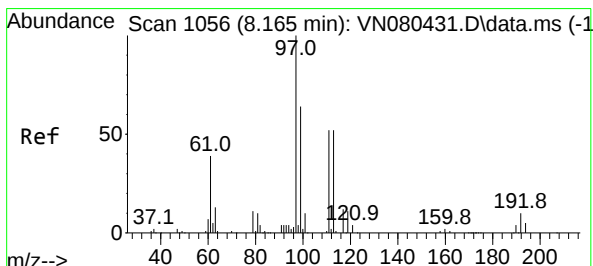
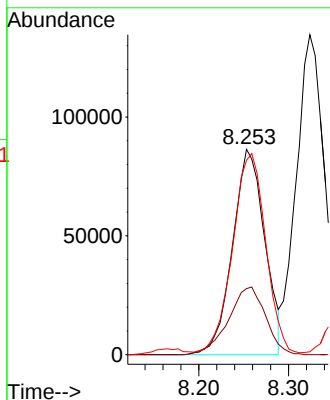
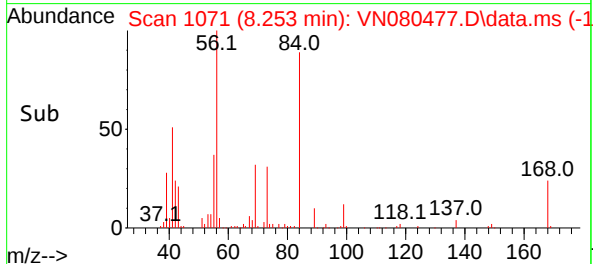
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



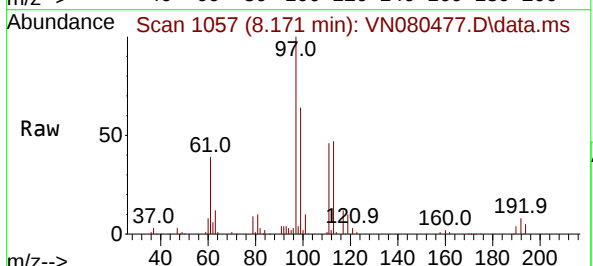
Tgt Ion: 56 Resp: 21550
Ion Ratio Lower Upper
56 100
69 32.2 26.8 40.2
84 91.7 81.8 122.6

Manual Integrations
APPROVED

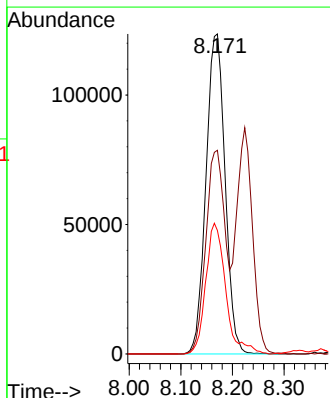
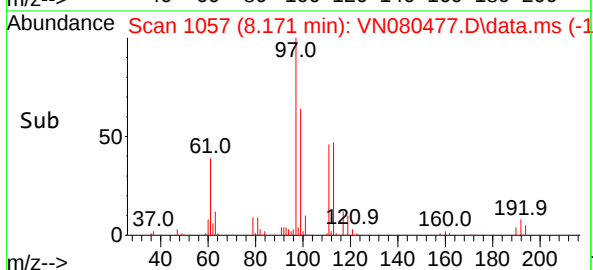
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

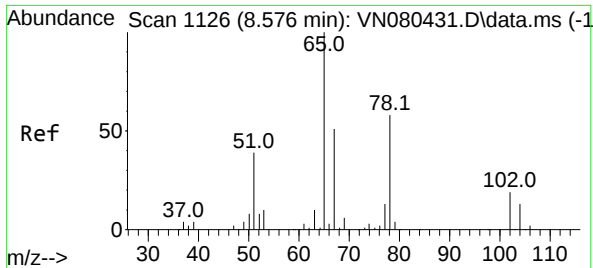


#32
1,1,1-Trichloroethane
Concen: 51.979 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



Tgt Ion: 97 Resp: 317038
Ion Ratio Lower Upper
97 100
99 64.1 50.3 75.5
61 42.6 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 52.641 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080477.D

Acq: 14 Dec 2023 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 188390

Ion Ratio Lower Upper

65 100

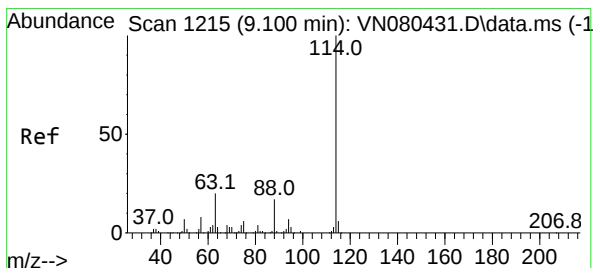
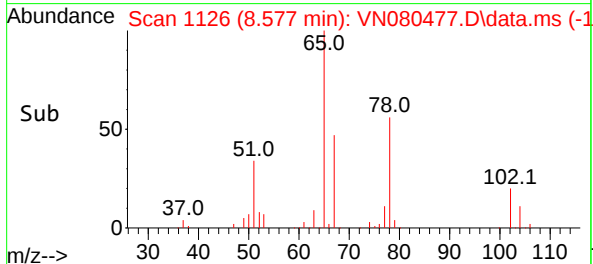
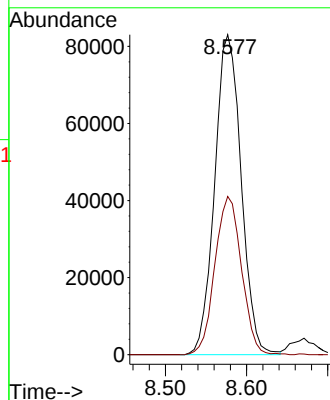
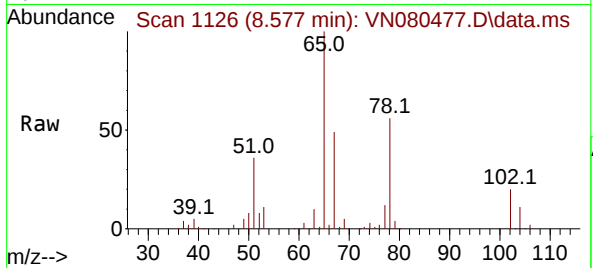
67 49.5 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2023

Supervised By :Mahesh Dadoda 12/15/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080477.D

Acq: 14 Dec 2023 11:38

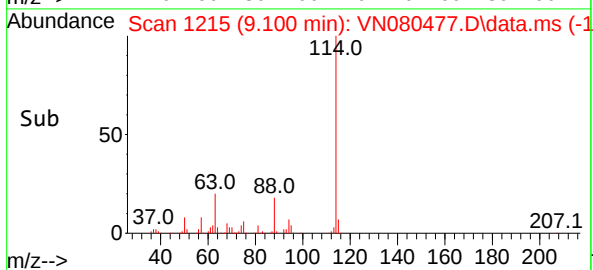
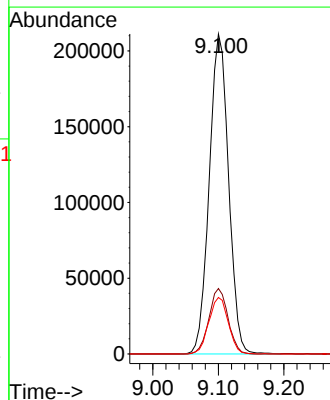
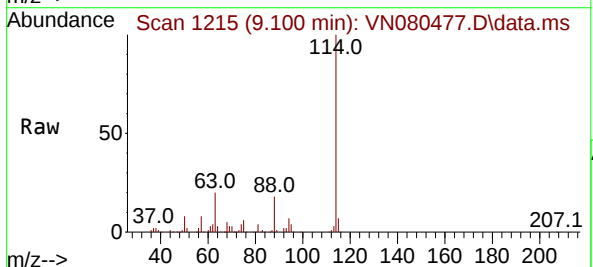
Tgt Ion:114 Resp: 432277

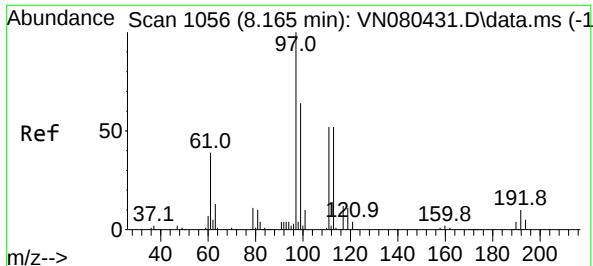
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 17.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.734 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN080477.D

Acq: 14 Dec 2023 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 113 Resp: 141794

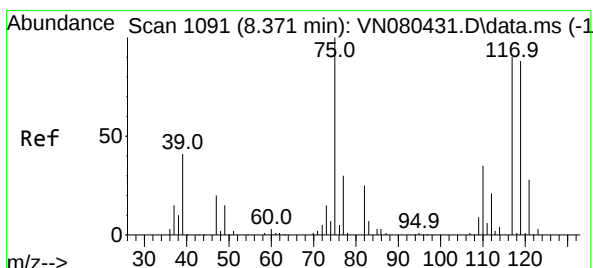
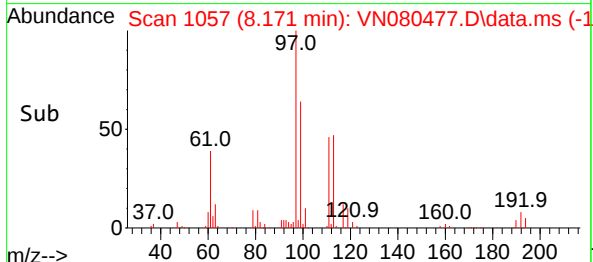
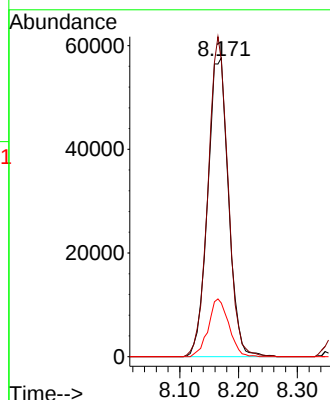
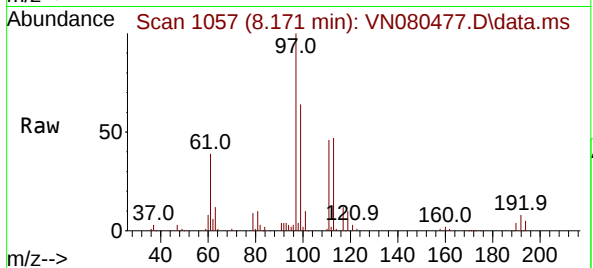
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.6	123.8
192	19.0	12.7	19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2023

Supervised By :Mahesh Dadoda 12/15/2023



#36

1,1-Dichloropropene

Concen: 51.661 ug/l

RT: 8.371 min Scan# 1091

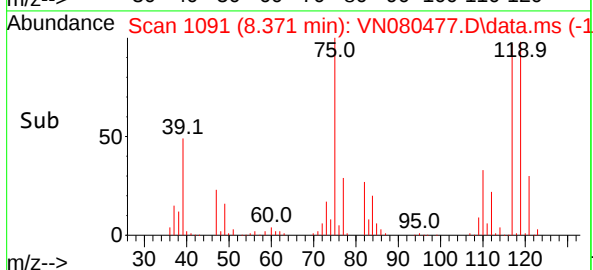
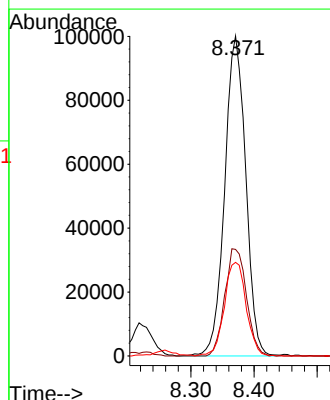
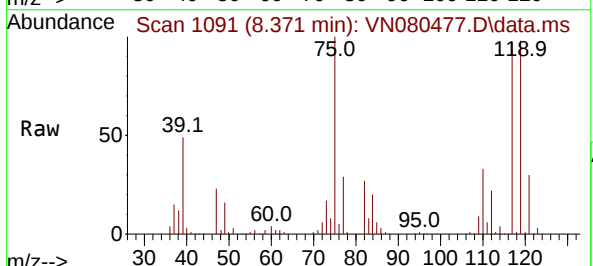
Delta R.T. 0.000 min

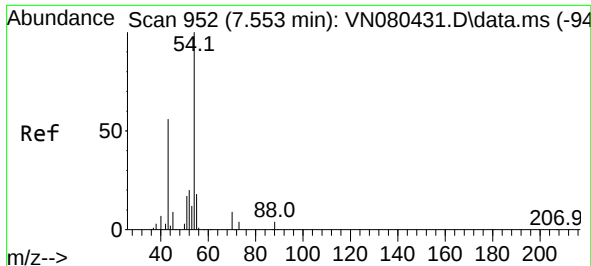
Lab File: VN080477.D

Acq: 14 Dec 2023 11:38

Tgt Ion: 75 Resp: 231512

Ion	Ratio	Lower	Upper
75	100		
110	34.6	19.1	57.3
77	30.4	25.0	37.4





#37

Ethyl Acetate

Concen: 47.708 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN080477.D

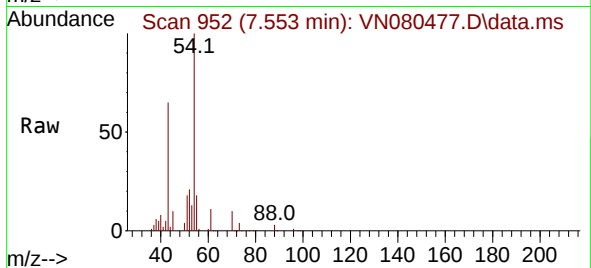
Acq: 14 Dec 2023 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050



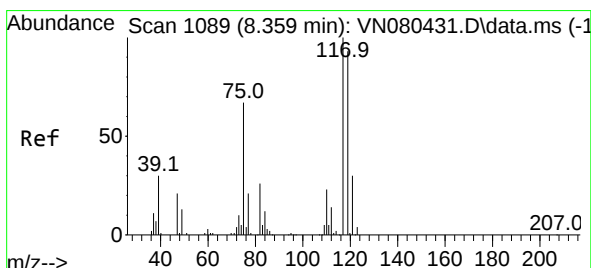
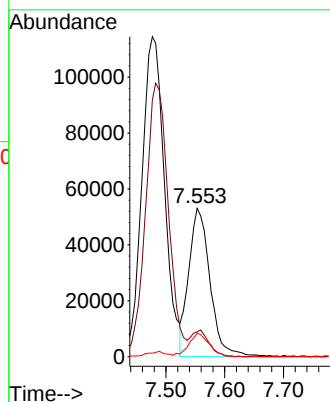
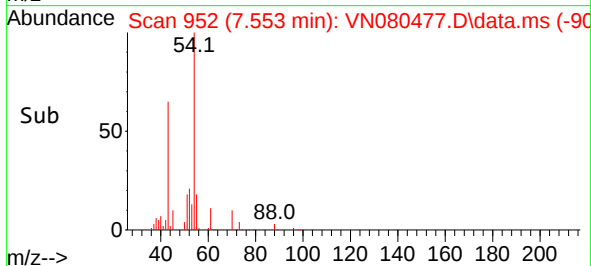
Tgt Ion:	43	Resp:	13388
Ion	Ratio	Lower	Upper
43	100		
61	15.1	13.2	19.8
70	15.0	11.3	16.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2023

Supervised By :Mahesh Dadoda 12/15/2023



#38

Carbon Tetrachloride

Concen: 53.228 ug/l

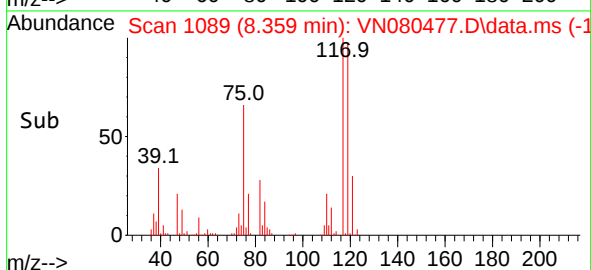
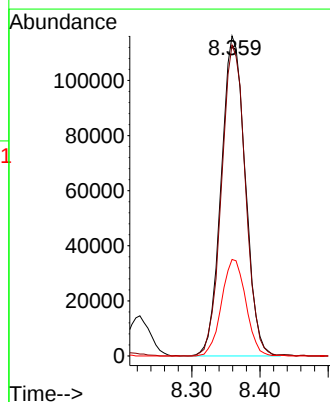
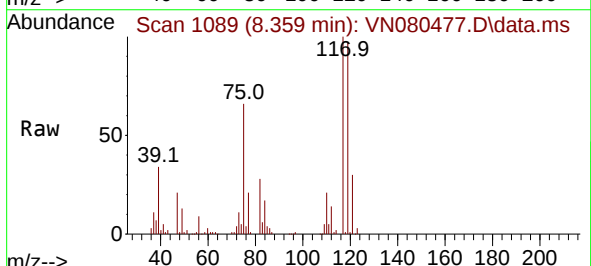
RT: 8.359 min Scan# 1089

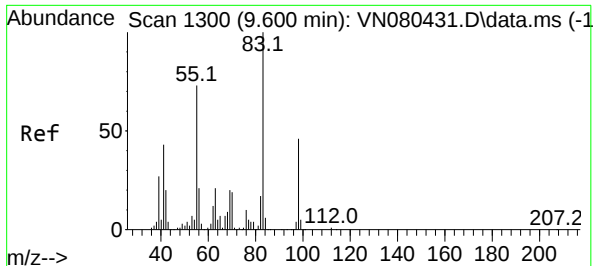
Delta R.T. 0.000 min

Lab File: VN080477.D

Acq: 14 Dec 2023 11:38

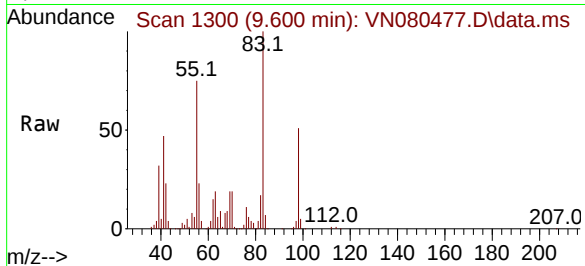
Tgt Ion:	117	Resp:	285021
Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.3	115.9
121	30.2	23.3	34.9





#39
Methylcyclohexane
Concen: 48.178 ug/l
RT: 9.600 min Scan# 11300
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

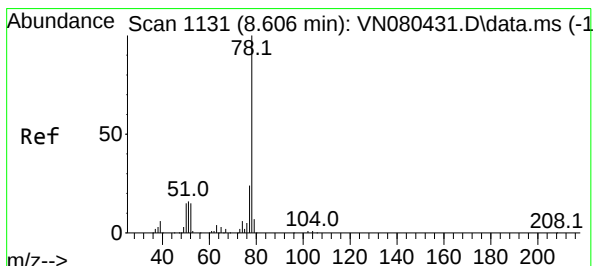
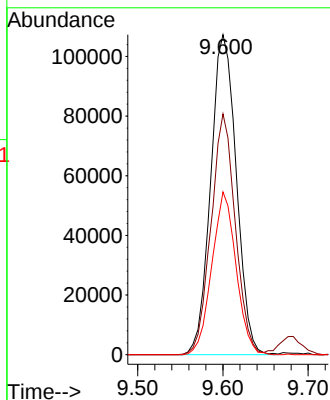
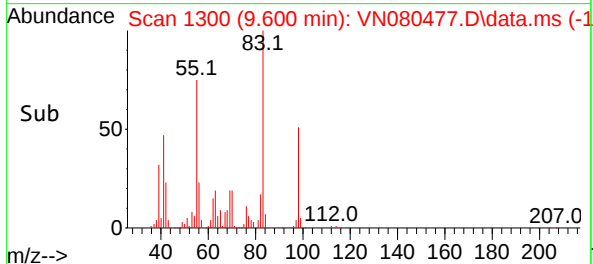
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



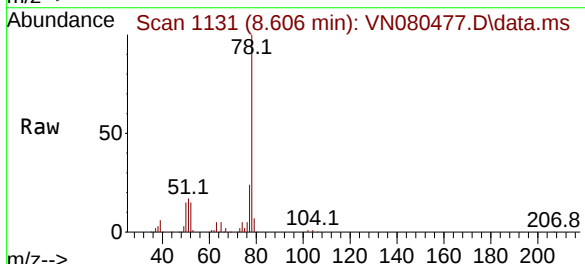
Tgt Ion: 83 Resp: 224290
Ion Ratio Lower Upper
83 100
55 75.2 49.1 73.7
98 50.8 40.6 61.0

Manual Integrations
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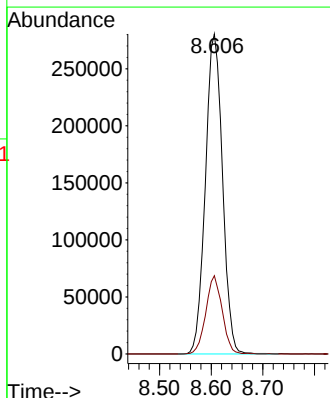
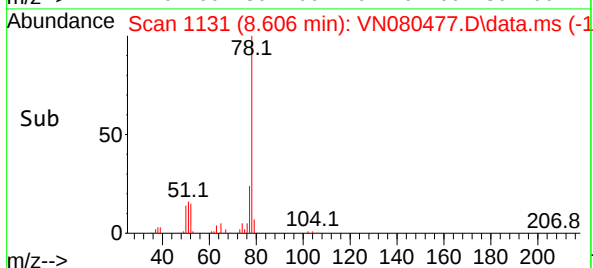
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

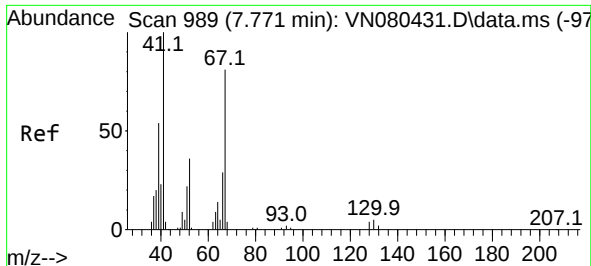


#40
Benzene
Concen: 49.770 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



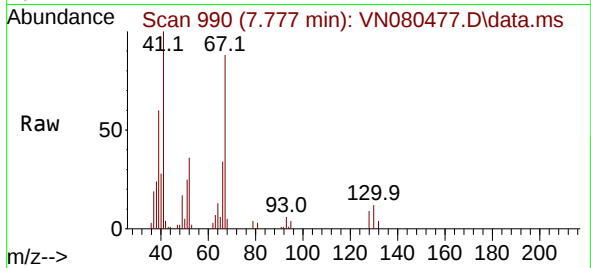
Tgt Ion: 78 Resp: 644055
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6





#41
Methacrylonitrile
Concen: 46.626 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

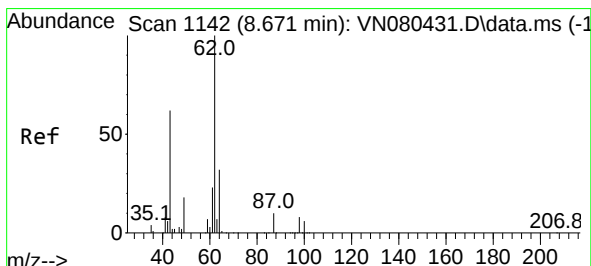
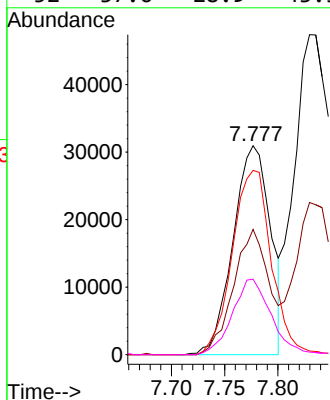
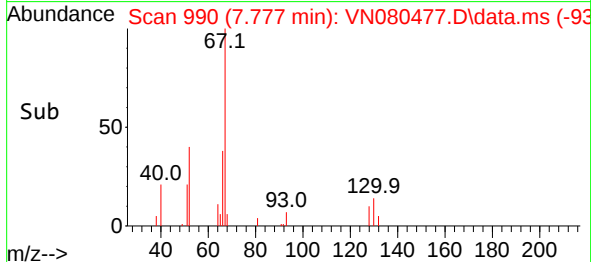
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



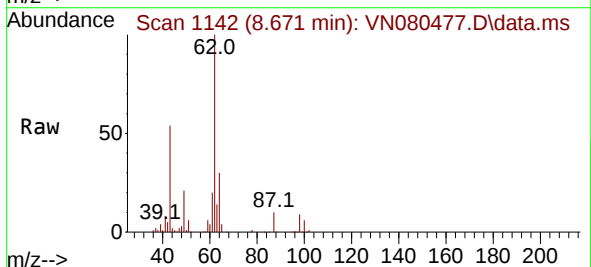
Tgt Ion: 41 Resp: 7543
Ion Ratio Lower Upper
41 100
39 56.7 42.6 64.0
67 92.5 77.5 116.3
52 37.6 28.9 43.3

Manual Integrations
APPROVED

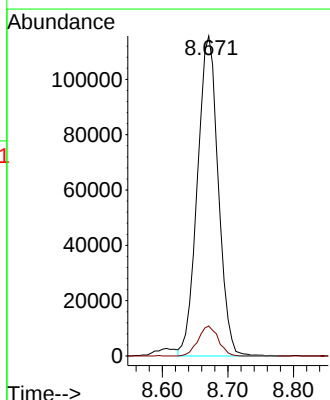
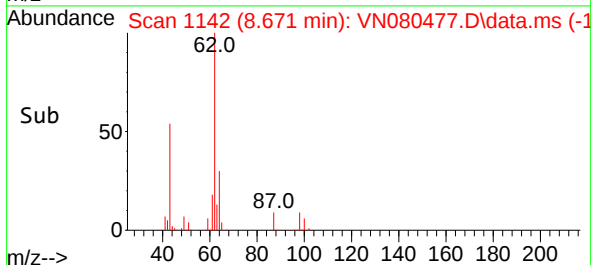
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

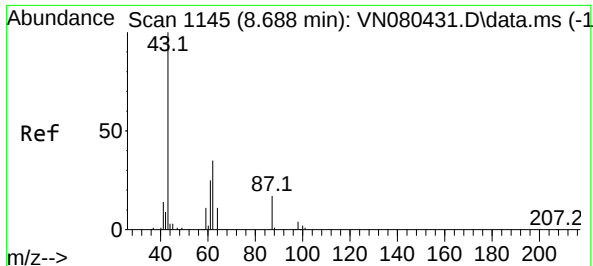


#42
1,2-Dichloroethane
Concen: 53.417 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



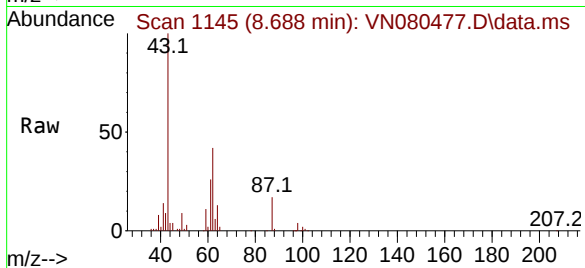
Tgt Ion: 62 Resp: 255981
Ion Ratio Lower Upper
62 100
98 9.0 0.0 19.8





#43
Isopropyl Acetate
Concen: 48.405 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

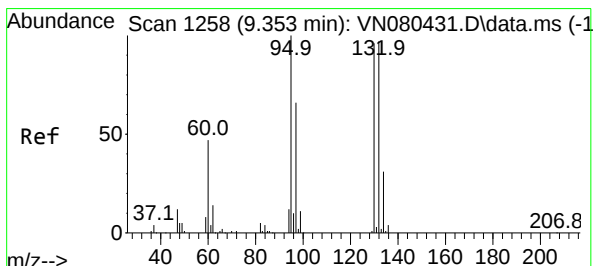
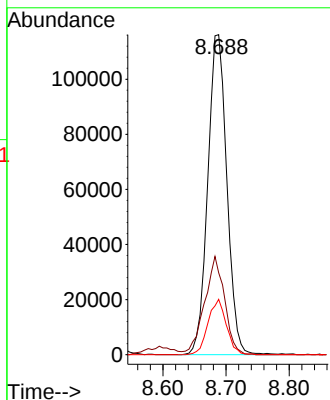
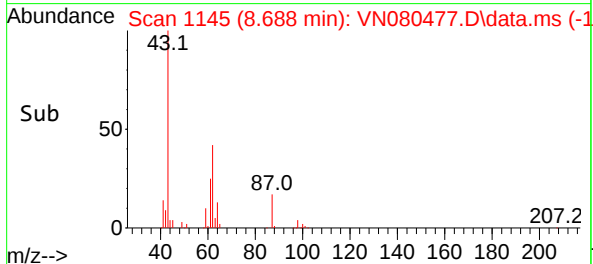
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



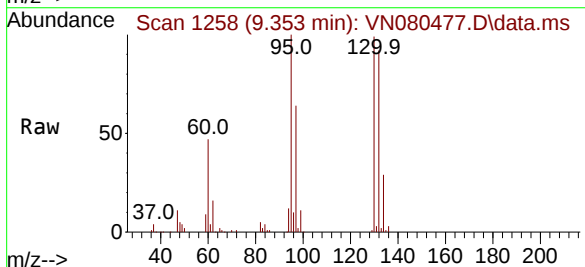
Tgt Ion: 43 Resp: 24424
Ion Ratio Lower Upper
43 100
61 32.3 24.7 37.1
87 16.7 14.6 21.8

Manual Integrations
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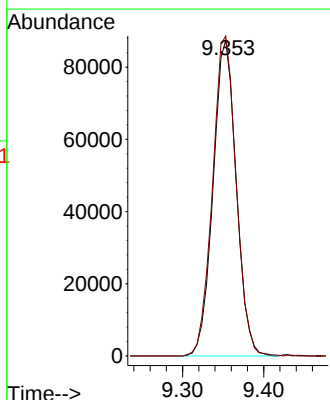
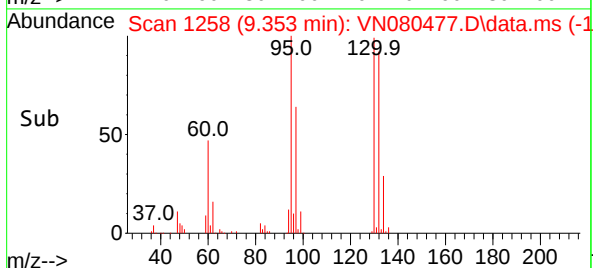
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

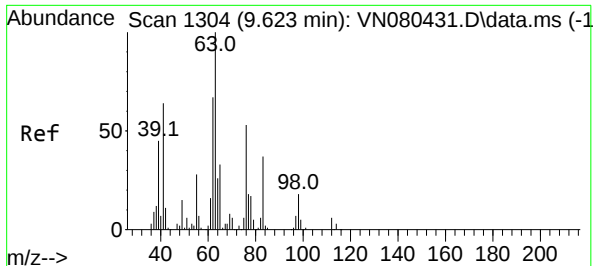


#44
Trichloroethene
Concen: 49.679 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



Tgt Ion:130 Resp: 173312
Ion Ratio Lower Upper
130 100
95 101.4 0.0 204.6





#45

1,2-Dichloropropane

Concen: 49.800 ug/l

RT: 9.624 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080477.D

Acq: 14 Dec 2023 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 15136

Ion Ratio Lower Upper

63 100

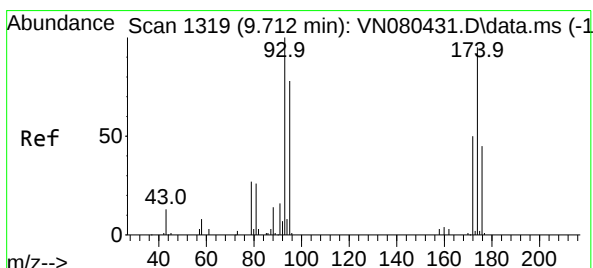
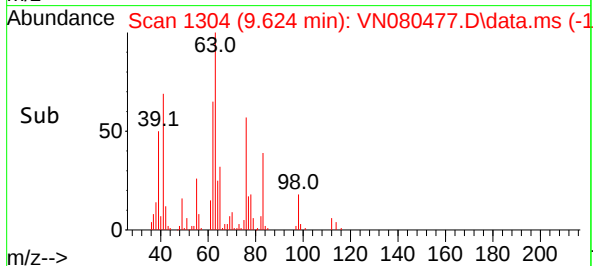
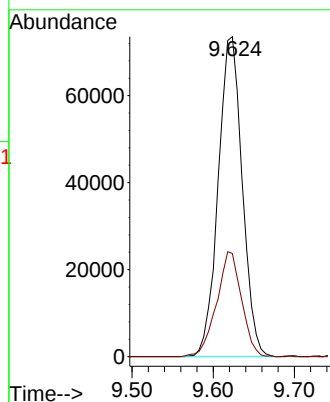
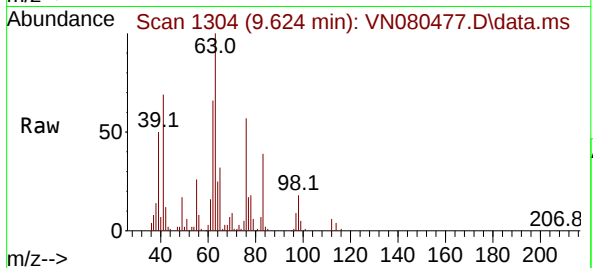
65 32.3 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2023

Supervised By :Mahesh Dadoda 12/15/2023



#46

Dibromomethane

Concen: 50.661 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN080477.D

Acq: 14 Dec 2023 11:38

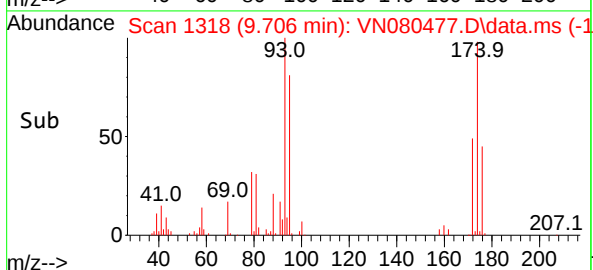
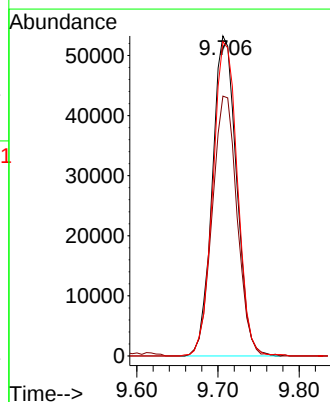
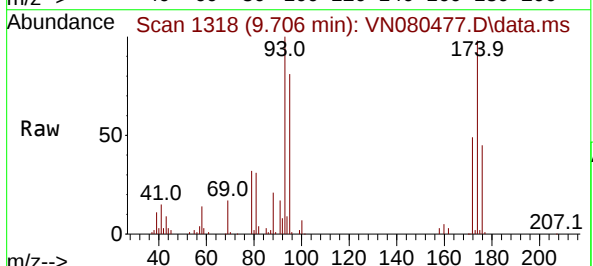
Tgt Ion: 93 Resp: 110577

Ion Ratio Lower Upper

93 100

95 83.2 63.8 95.8

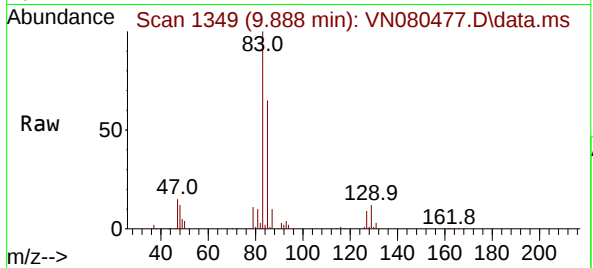
174 99.6 65.6 98.4#





#47
Bromodichloromethane
Concen: 54.424 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

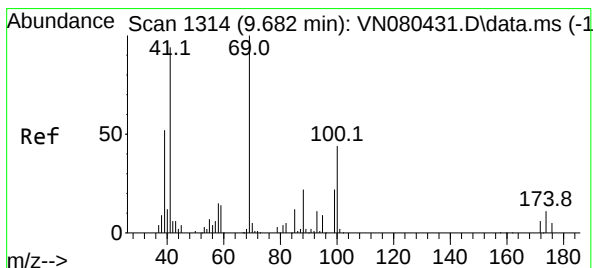
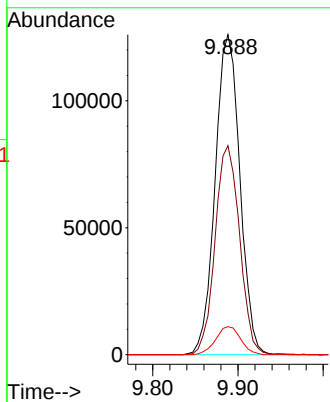
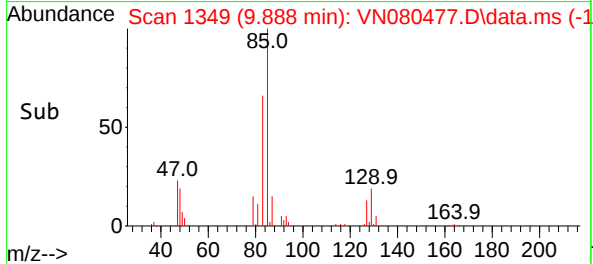
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



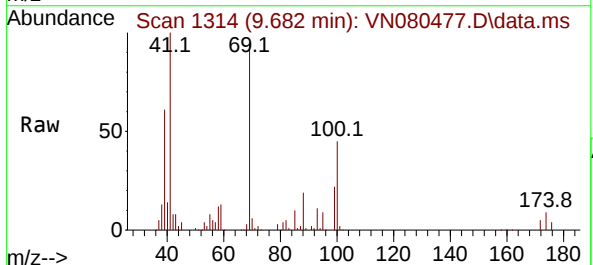
Tgt Ion: 83 Resp: 254589
Ion Ratio Lower Upper
83 100
85 65.3 49.6 74.4
127 8.8 7.0 10.6

Manual Integrations
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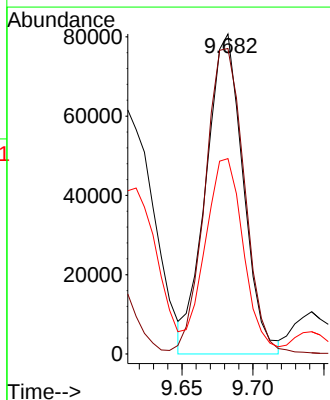
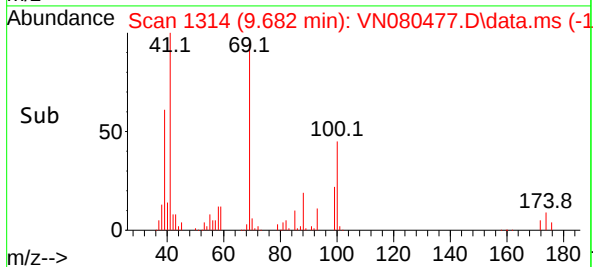
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

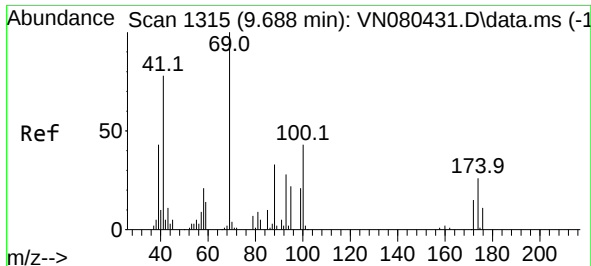


#48
Methyl methacrylate
Concen: 48.989 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



Tgt Ion: 41 Resp: 147510
Ion Ratio Lower Upper
41 100
69 100.8 90.4 135.6
39 63.4 54.6 81.8





#49

1,4-Dioxane

Concen: 908.179 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN080477.D

Acq: 14 Dec 2023 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

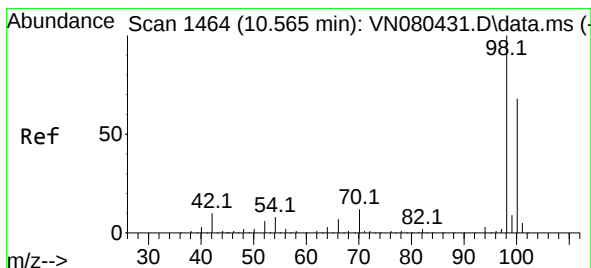
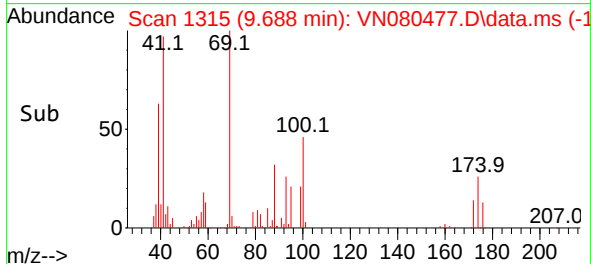
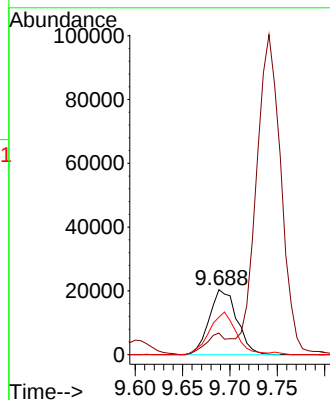
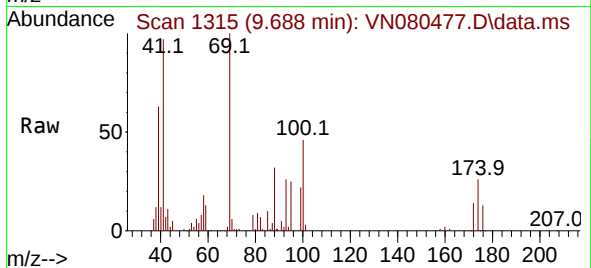
Tgt Ion: 88 Resp: 41449
 Ion Ratio Lower Upper
 88 100
 43 30.8 17.0 25.6
 58 63.5 47.0 70.4

Manual Integrations

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Reviewed By :John Carlone 12/15/2023

Supervised By :Mahesh Dadoda 12/15/2023



#50

Toluene-d8

Concen: 51.140 ug/l

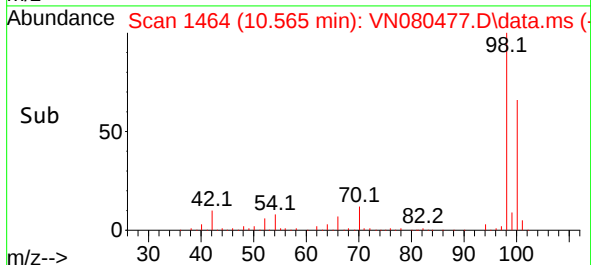
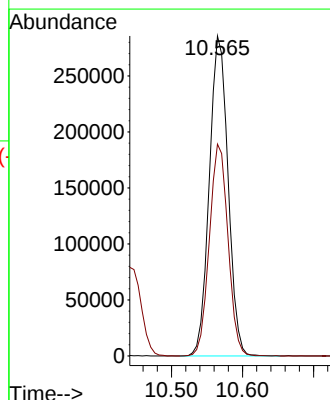
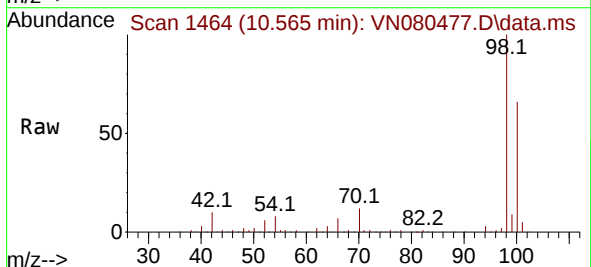
RT: 10.565 min Scan# 1464

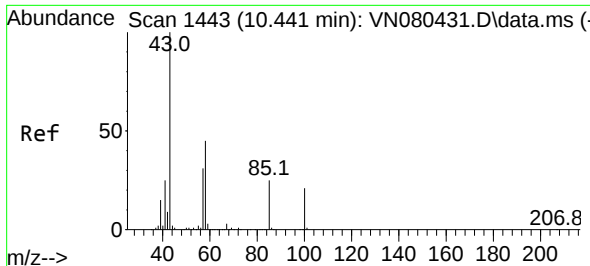
Delta R.T. 0.000 min

Lab File: VN080477.D

Acq: 14 Dec 2023 11:38

Tgt Ion: 98 Resp: 522743
 Ion Ratio Lower Upper
 98 100
 100 65.9 52.0 78.0





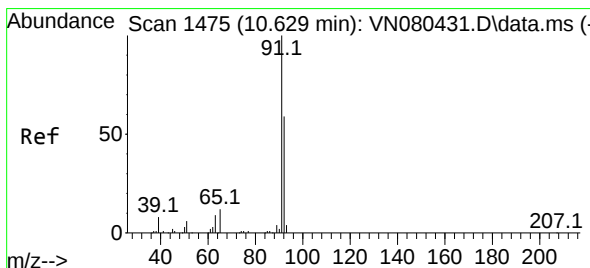
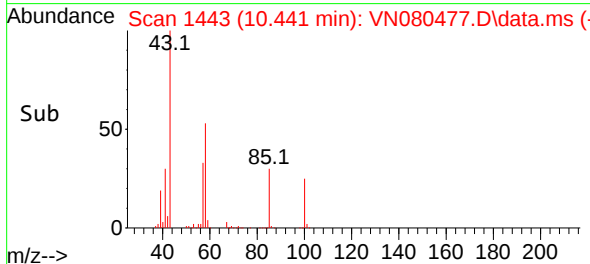
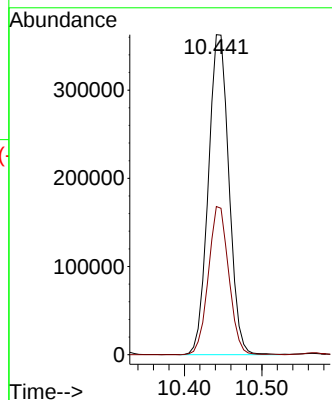
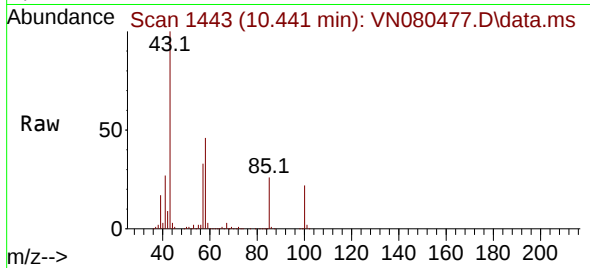
#51
4-Methyl-2-Pentanone
Concen: 241.932 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 672304
Ion Ratio Lower Upper
43 100
58 45.8 36.6 54.8

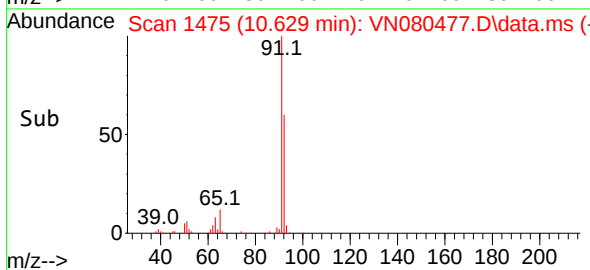
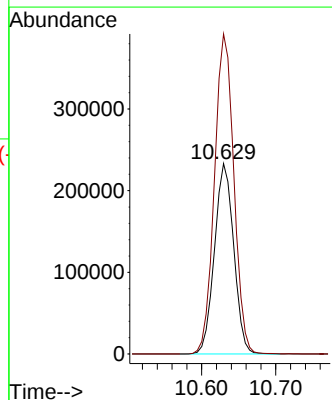
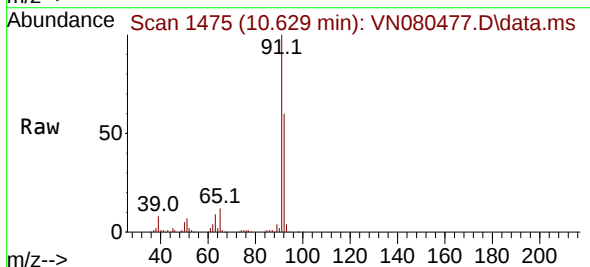
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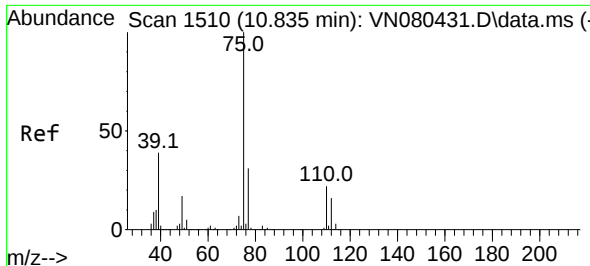
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#52
Toluene
Concen: 51.472 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Tgt Ion: 92 Resp: 420785
Ion Ratio Lower Upper
92 100
91 169.5 137.4 206.0





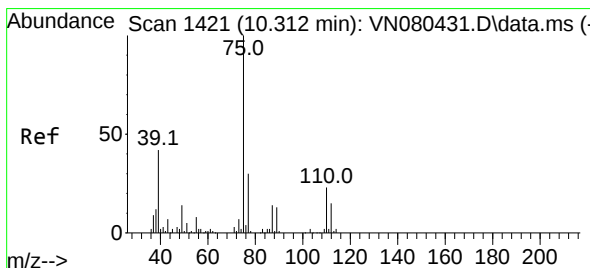
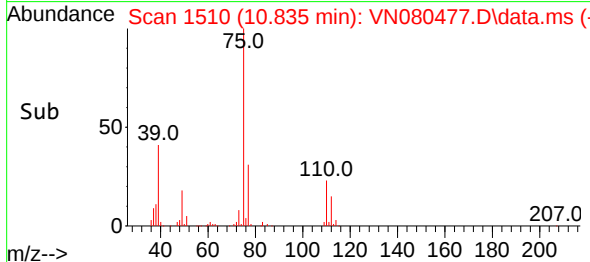
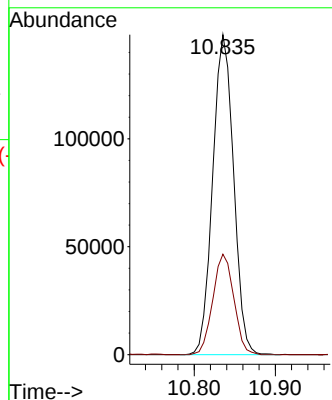
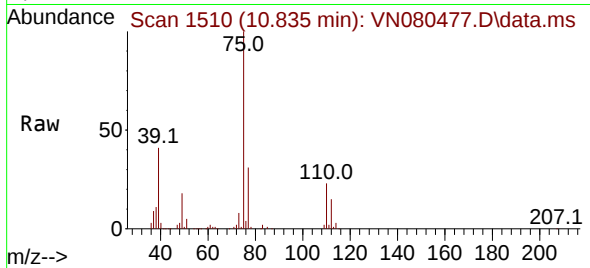
#53
 t-1,3-Dichloropropene
 Concen: 52.360 ug/l
 RT: 10.835 min Scan# 1510
 Delta R.T. 0.000 min
 Lab File: VN080477.D
 Acq: 14 Dec 2023 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 75 Resp: 26500
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0

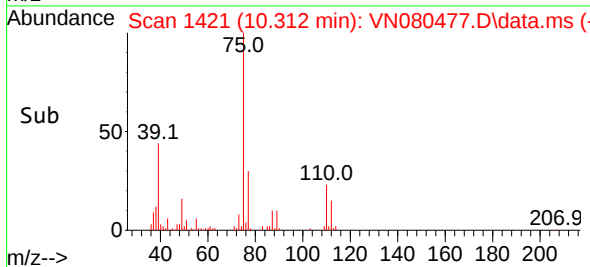
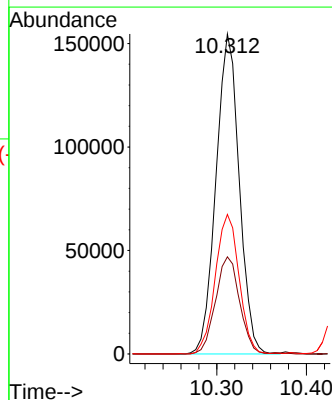
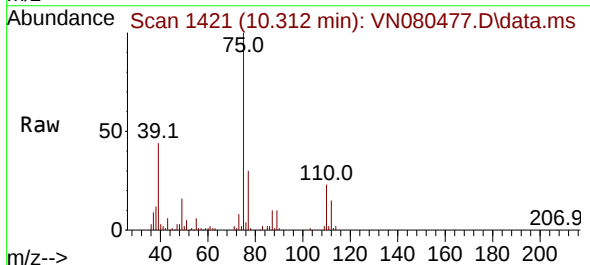
Manual Integrations
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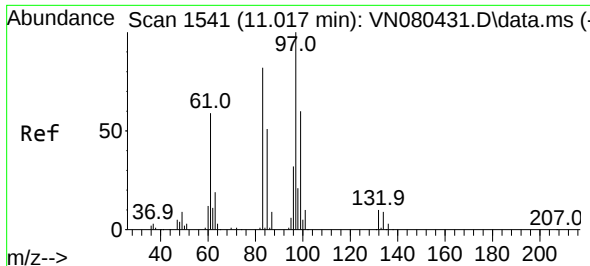
Reviewed By :John Carlone 12/15/2023
 Supervised By :Mahesh Dadoda 12/15/2023



#54
 cis-1,3-Dichloropropene
 Concen: 51.405 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN080477.D
 Acq: 14 Dec 2023 11:38

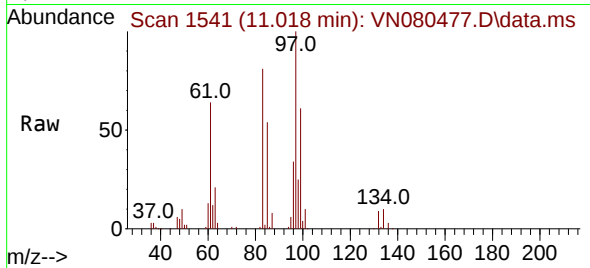
Tgt Ion: 75 Resp: 278088
 Ion Ratio Lower Upper
 75 100
 77 30.4 26.1 39.1
 39 43.5 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 50.991 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

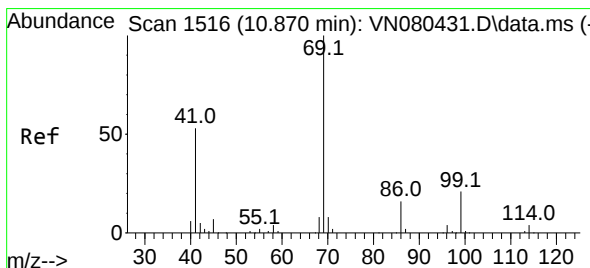
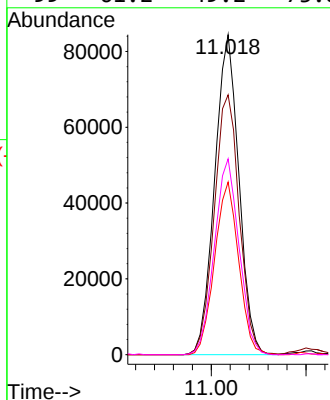
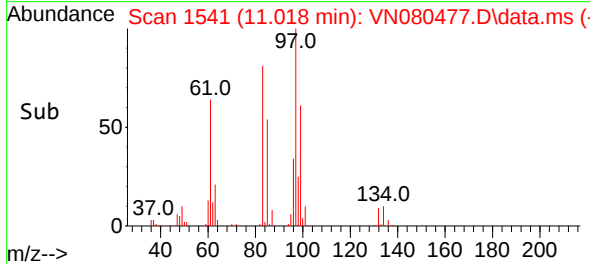
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



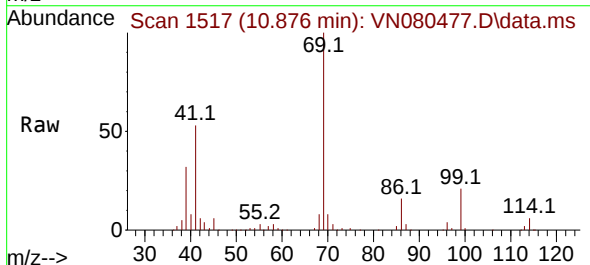
Tgt Ion: 97 Resp: 149994
Ion Ratio Lower Upper
97 100
83 81.2 65.1 97.7
85 54.0 43.4 65.2
99 61.2 49.2 73.8

Manual Integrations
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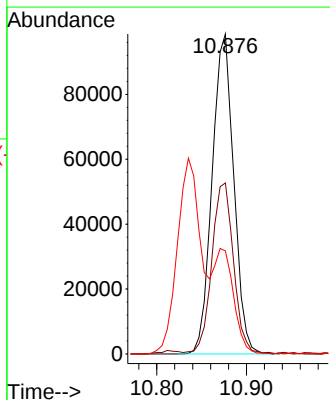
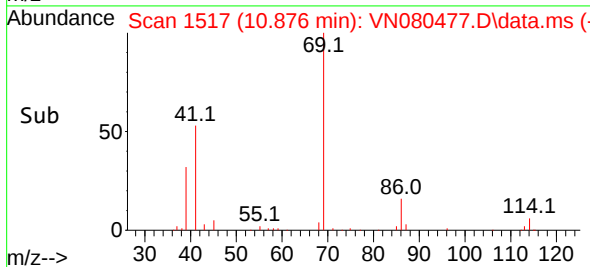
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

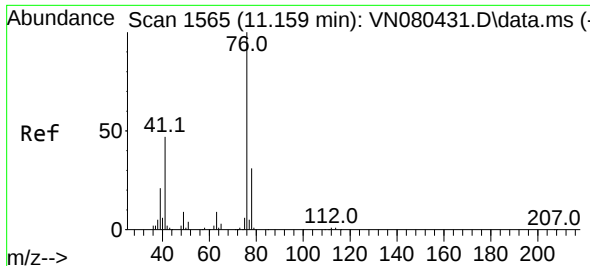


#56
Ethyl methacrylate
Concen: 50.704 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



Tgt Ion: 69 Resp: 165127
Ion Ratio Lower Upper
69 100
41 53.8 39.6 59.4
39 29.7 28.6 43.0





#57

1,3-Dichloropropane

Concen: 50.973 ug/l

RT: 11.165 min Scan# 1565

Delta R.T. 0.006 min

Lab File: VN080477.D

Acq: 14 Dec 2023 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 26284

Ion Ratio Lower Upper

76 100

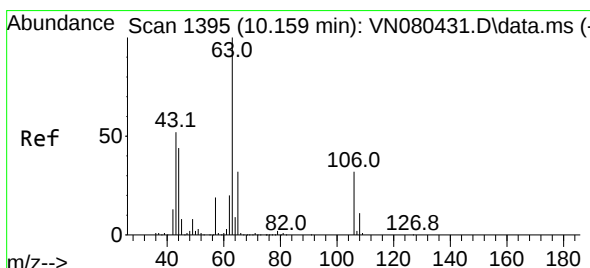
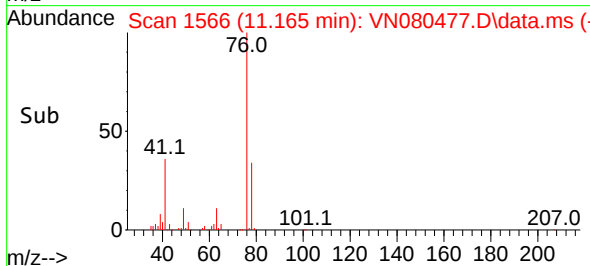
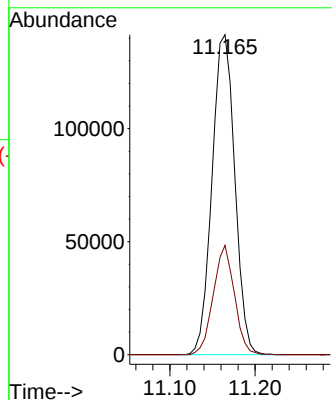
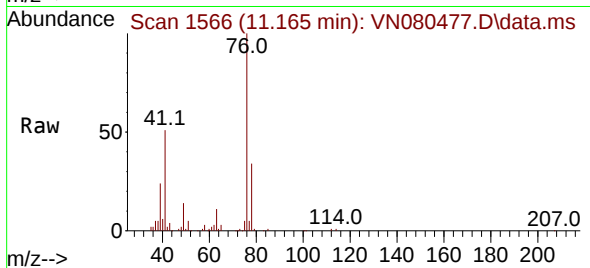
78 31.7 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2023

Supervised By :Mahesh Dadoda 12/15/2023



#58

2-Chloroethyl Vinyl ether

Concen: 239.953 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN080477.D

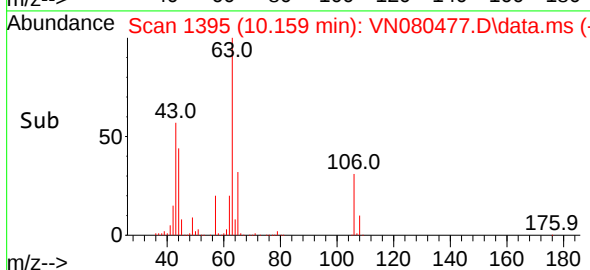
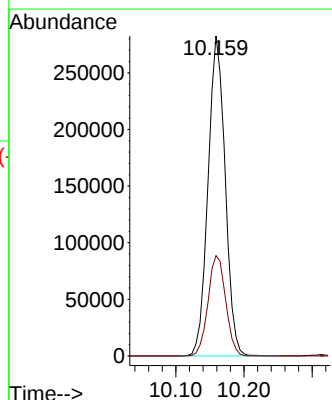
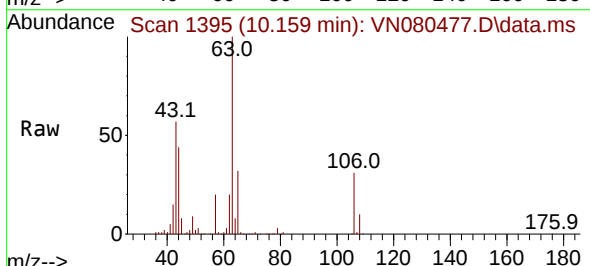
Acq: 14 Dec 2023 11:38

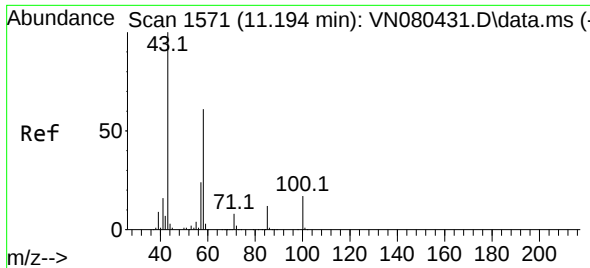
Tgt Ion: 63 Resp: 493336

Ion Ratio Lower Upper

63 100

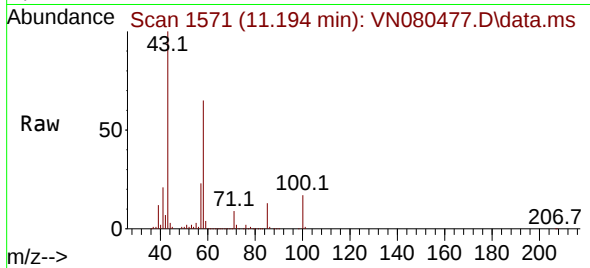
106 32.3 26.2 39.4





#59
2-Hexanone
Concen: 236.934 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

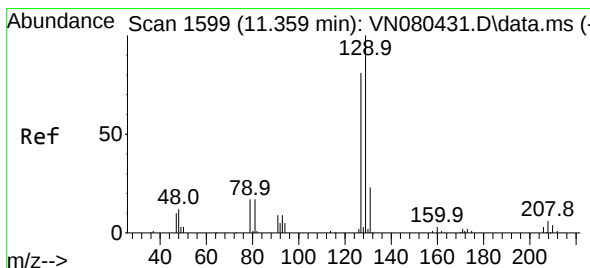
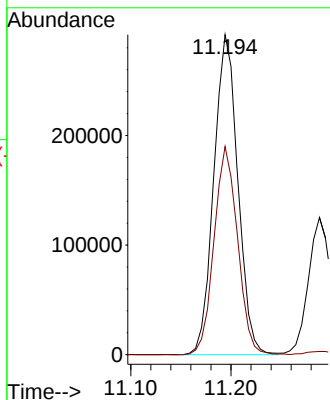
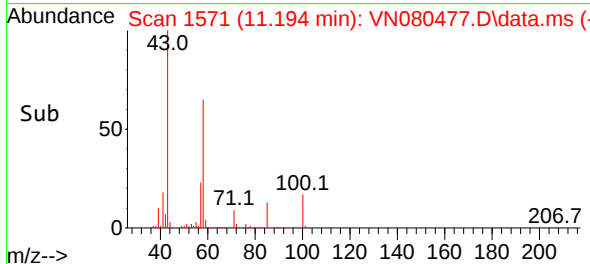
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



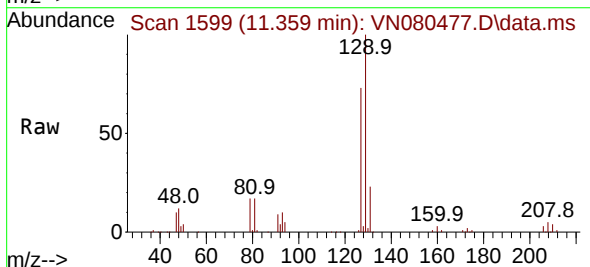
Tgt Ion: 43 Resp: 486073
Ion Ratio Lower Upper
43 100
58 63.6 31.7 95.1

Manual Integrations
APPROVED

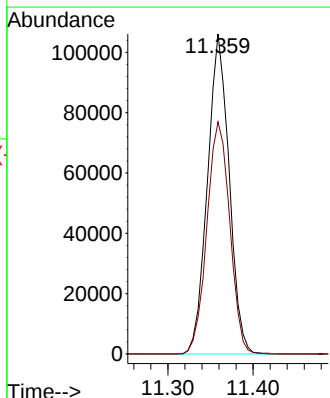
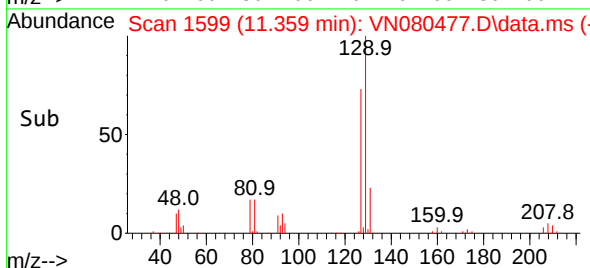
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#60
Dibromochloromethane
Concen: 53.748 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



Tgt Ion:129 Resp: 187348
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





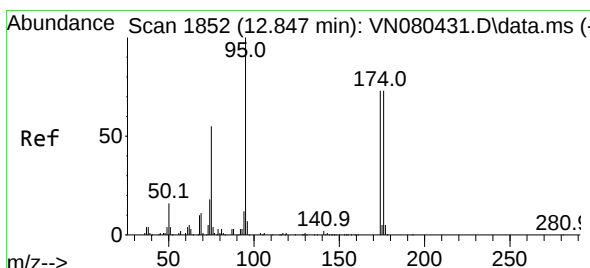
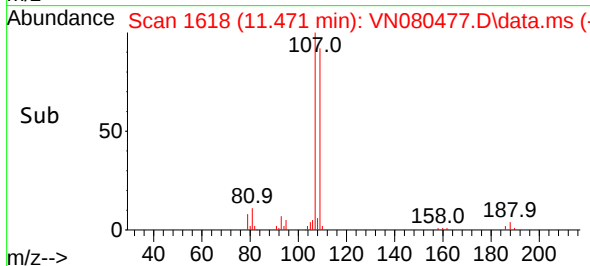
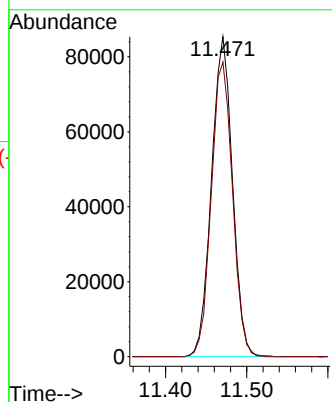
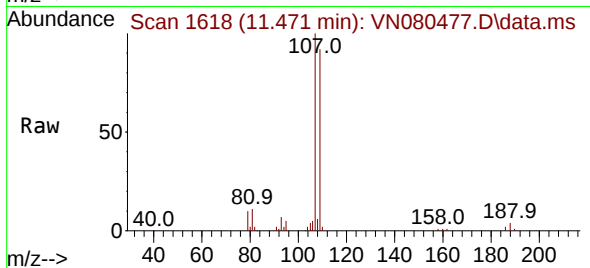
#61
1,2-Dibromoethane
Concen: 50.324 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 153210
Ion Ratio Lower Upper
107 100
109 93.1 76.6 114.8

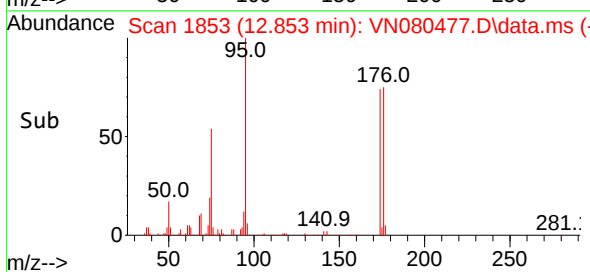
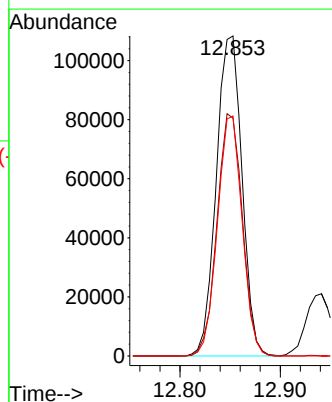
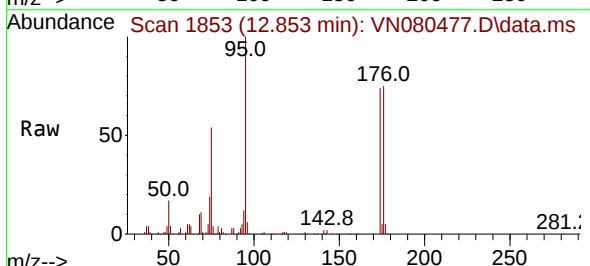
Manual Integrations
APPROVED

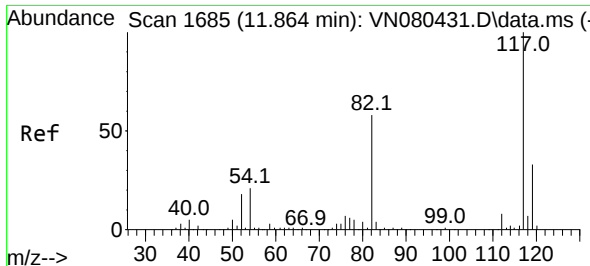
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#62
4-Bromofluorobenzene
Concen: 49.694 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

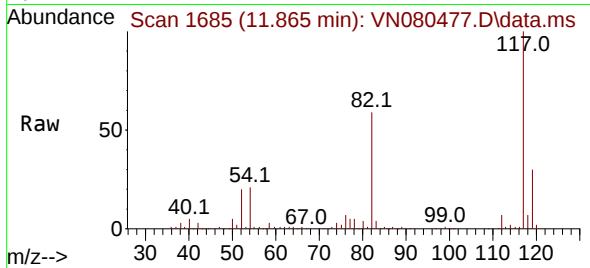
Tgt Ion: 95 Resp: 192886
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 72.1 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

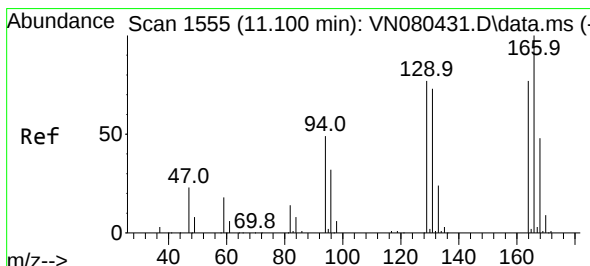
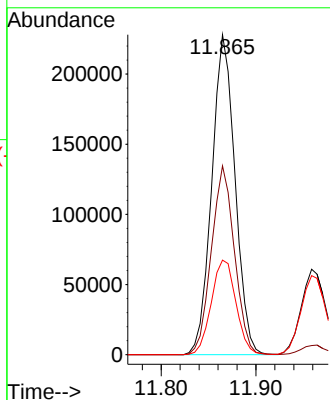
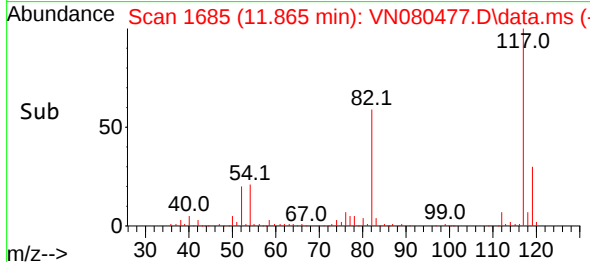
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



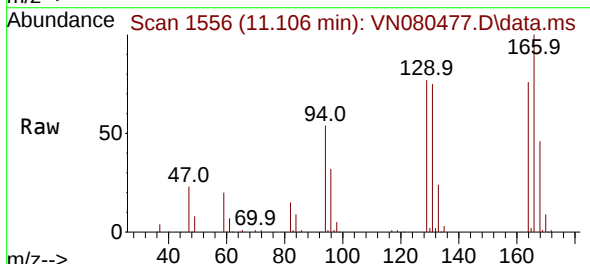
Tgt Ion:117 Resp: 388529
Ion Ratio Lower Upper
117 100
82 59.0 44.0 66.0
119 29.6 25.6 38.4

Manual Integrations
APPROVED

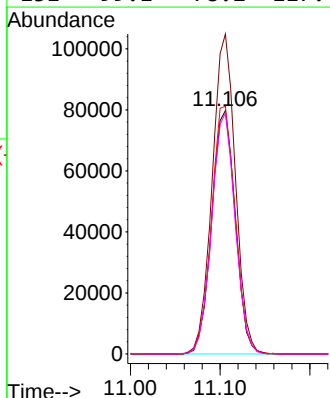
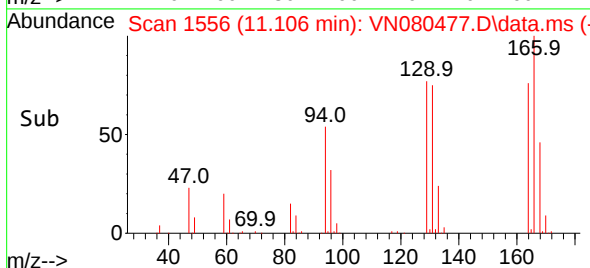
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

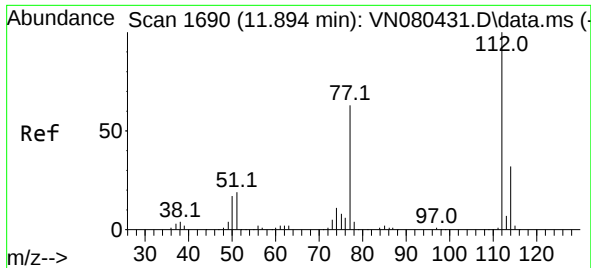


#64
Tetrachloroethene
Concen: 48.546 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



Tgt Ion:164 Resp: 145626
Ion Ratio Lower Upper
164 100
166 131.5 101.4 152.0
129 101.8 82.4 123.6
131 99.1 78.2 117.4





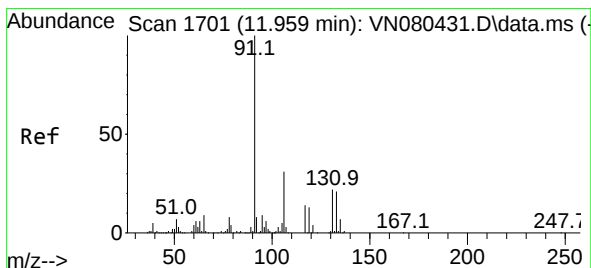
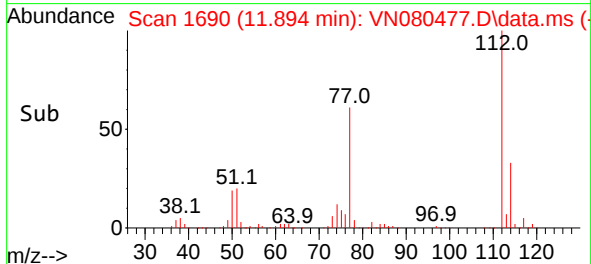
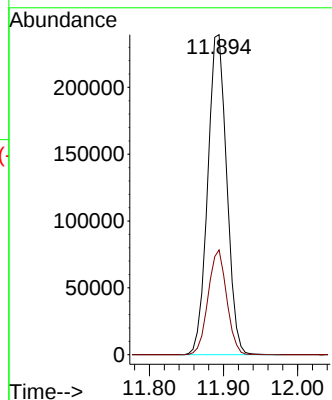
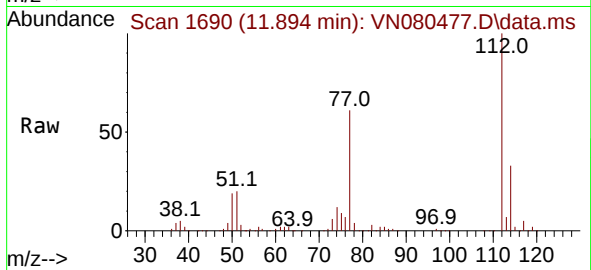
#65
Chlorobenzene
Concen: 49.382 ug/l
RT: 11.894 min Scan# 11894
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 426802
Ion Ratio Lower Upper
112 100
114 32.8 25.0 37.4

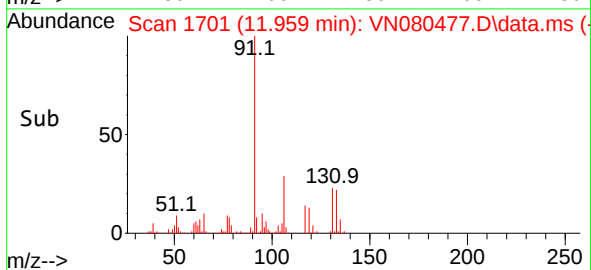
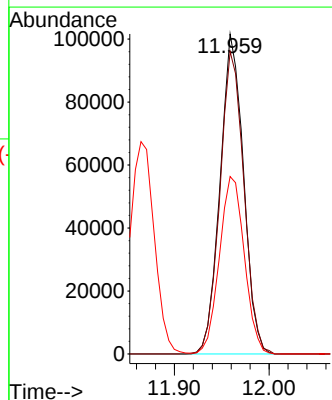
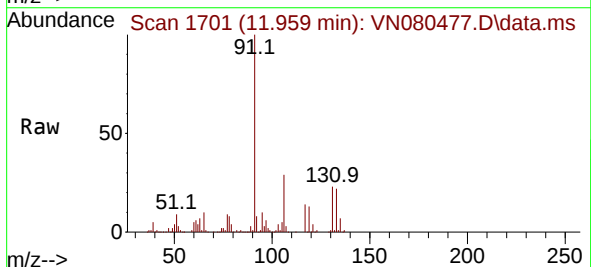
Manual Integrations
APPROVED

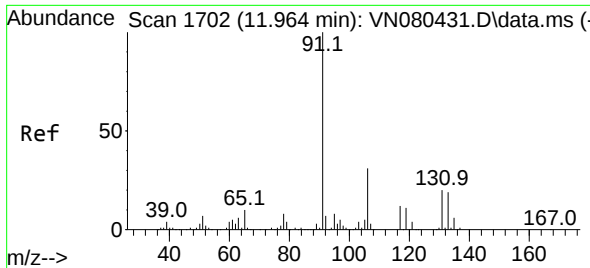
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 51.445 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

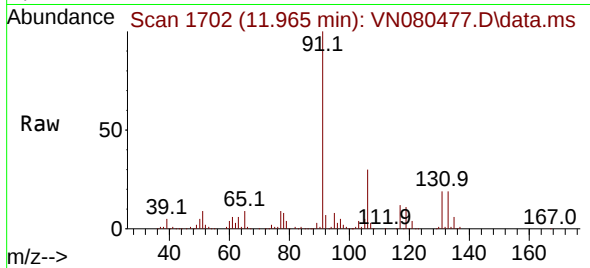
Tgt Ion:131 Resp: 174465
Ion Ratio Lower Upper
131 100
133 96.7 46.4 139.1
119 59.1 34.1 102.2





#67
Ethyl Benzene
Concen: 50.308 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

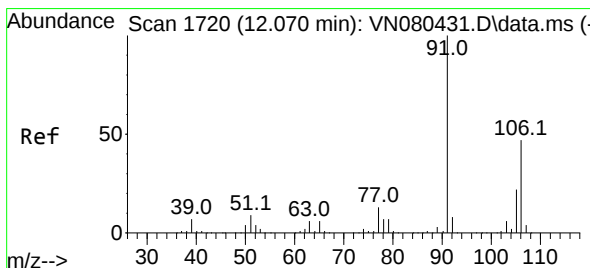
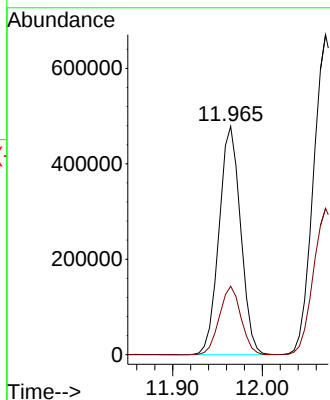
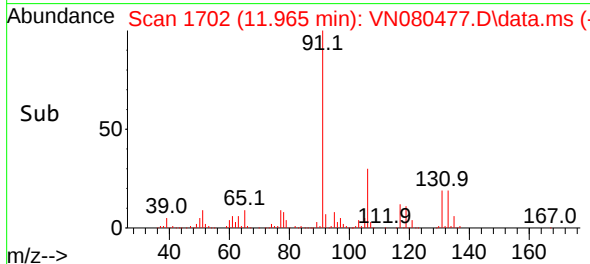
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



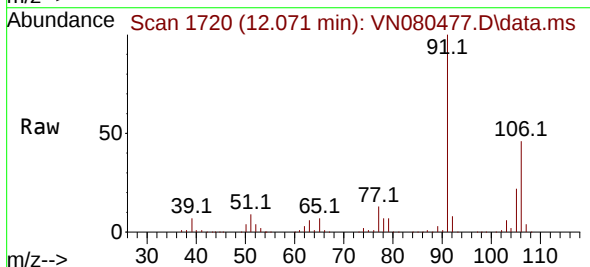
Tgt Ion: 91 Resp: 799499
Ion Ratio Lower Upper
91 100
106 30.0 25.6 38.4

Manual Integrations
APPROVED

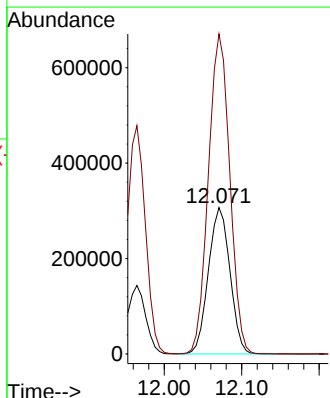
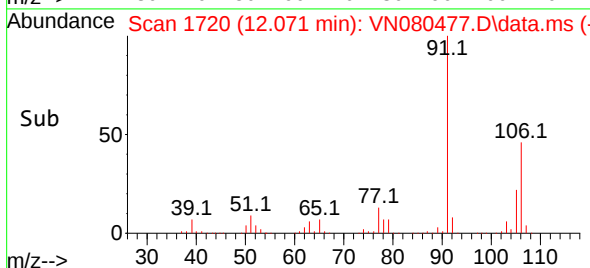
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

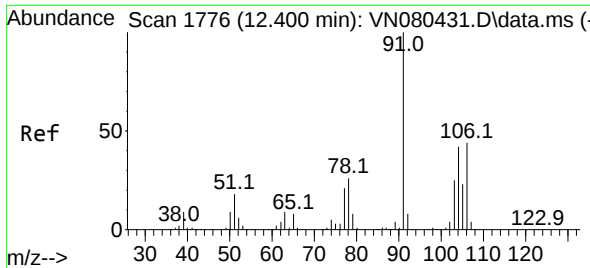


#68
m/p-Xylenes
Concen: 101.006 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



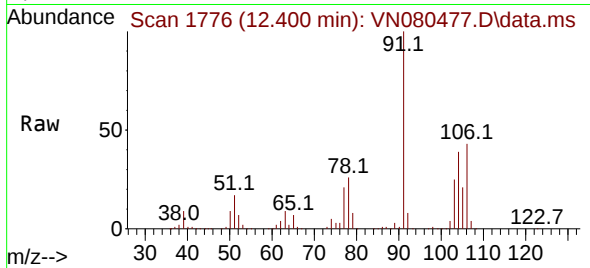
Tgt Ion:106 Resp: 593154
Ion Ratio Lower Upper
106 100
91 217.0 159.6 239.4





#69
o-Xylene
Concen: 49.275 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

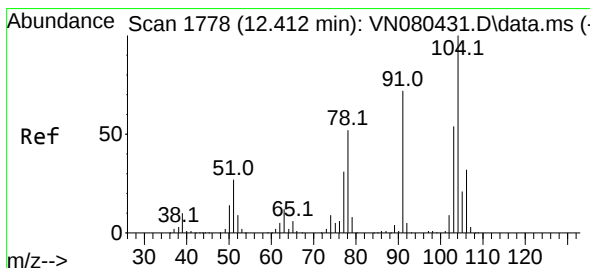
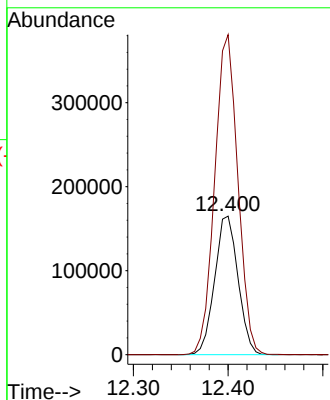
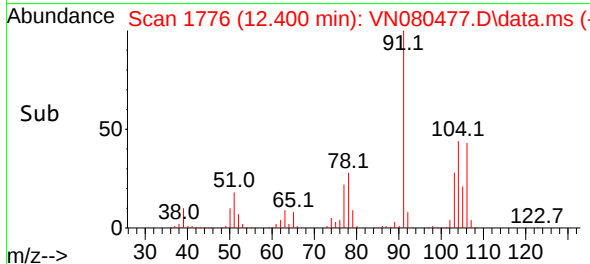
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:106 Resp: 28303
Ion Ratio Lower Upper
106 100
91 228.9 105.2 315.5

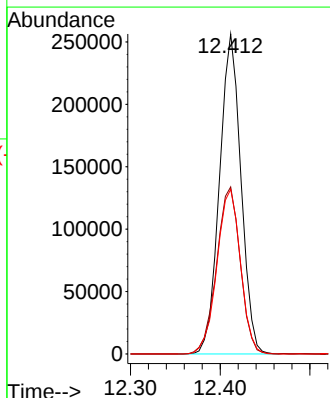
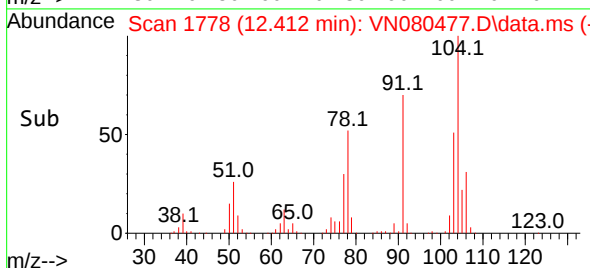
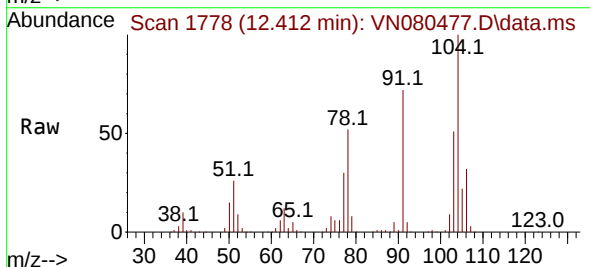
Manual Integrations
APPROVED

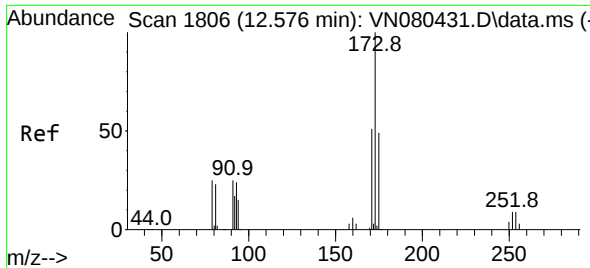
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#70
Styrene
Concen: 51.451 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

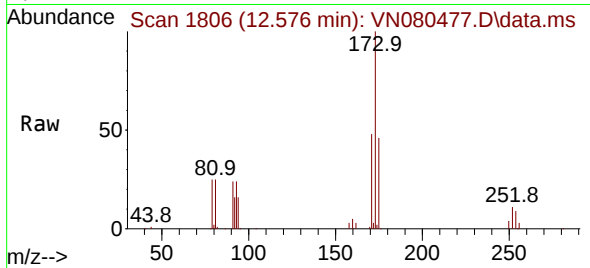
Tgt Ion:104 Resp: 425689
Ion Ratio Lower Upper
104 100
78 57.4 39.5 59.3
103 56.3 43.2 64.8





#71
Bromoform
Concen: 47.999 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

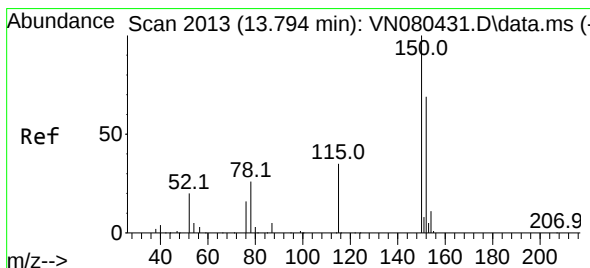
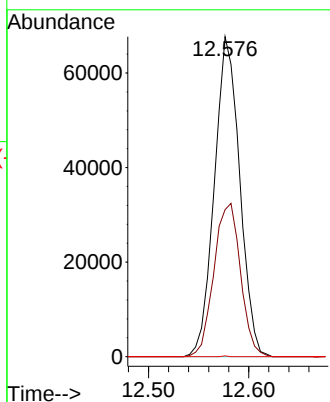
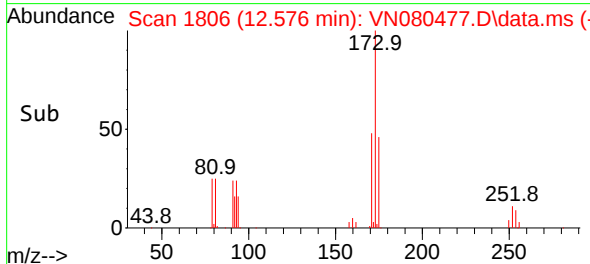
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



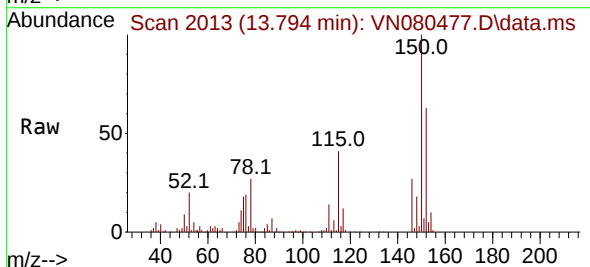
Tgt Ion:173 Resp: 11870
Ion Ratio Lower Upper
173 100
175 50.2 24.3 73.0
254 0.1 0.0 0.0

Manual Integrations
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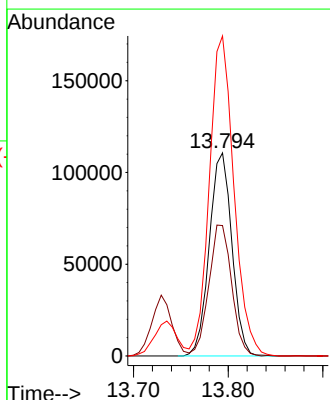
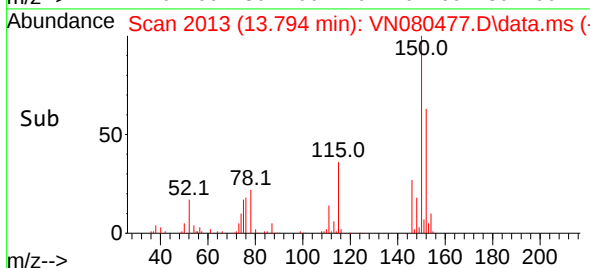
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

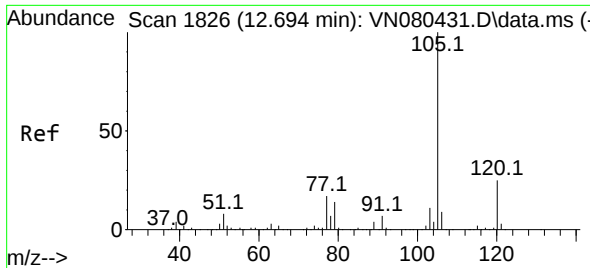


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



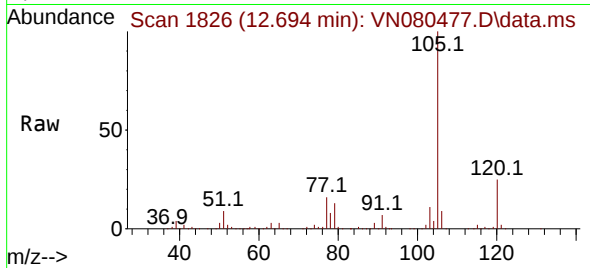
Tgt Ion:152 Resp: 183151
Ion Ratio Lower Upper
152 100
115 65.1 32.3 96.8
150 171.3 0.0 355.8





#73
Isopropylbenzene
Concen: 51.228 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

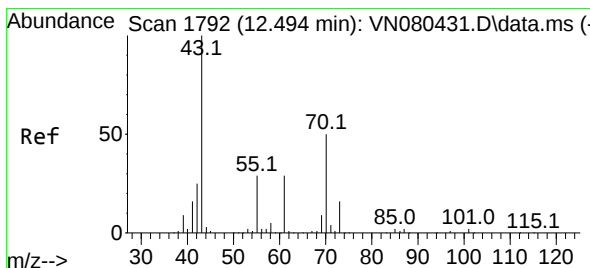
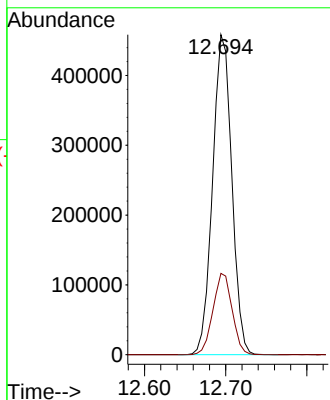
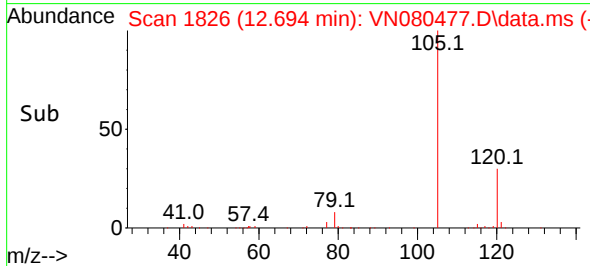
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



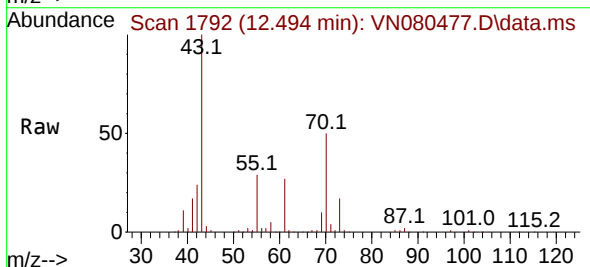
Tgt Ion:105 Resp: 753719
Ion Ratio Lower Upper
105 100
120 25.3 13.1 39.1

Manual Integrations
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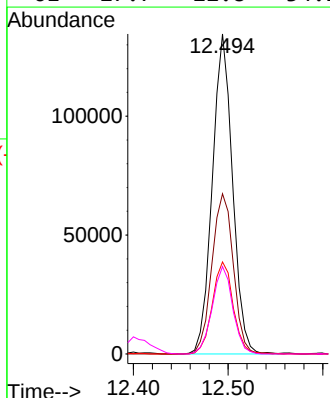
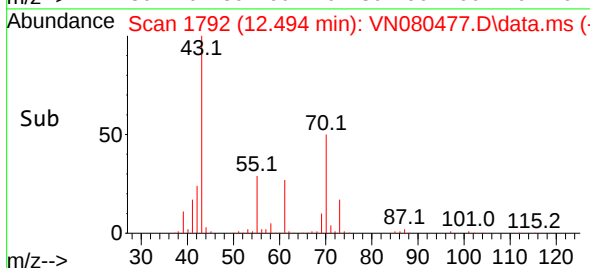
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

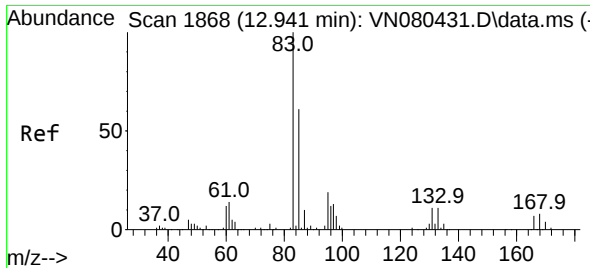


#74
N-ethyl acetate
Concen: 46.427 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



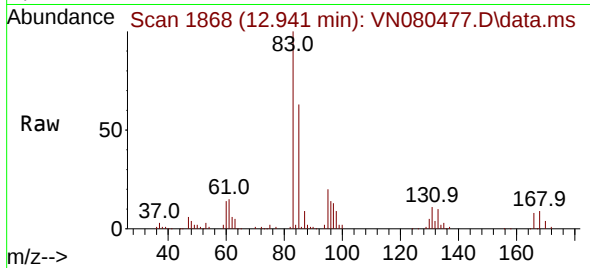
Tgt Ion: 43 Resp: 199472
Ion Ratio Lower Upper
43 100
70 53.2 43.4 65.2
55 29.7 21.4 32.0
61 27.7 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 45.787 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

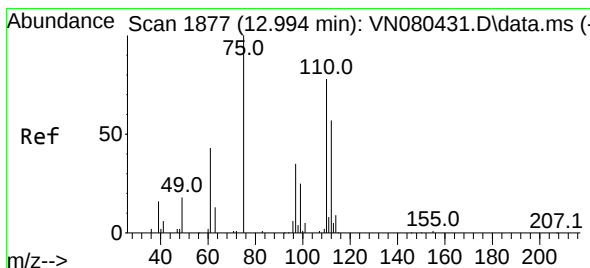
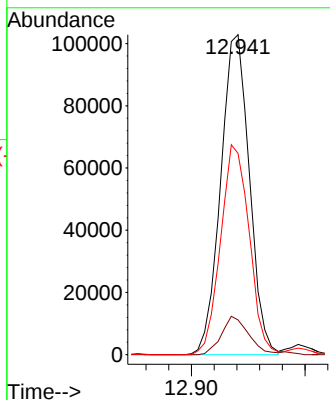
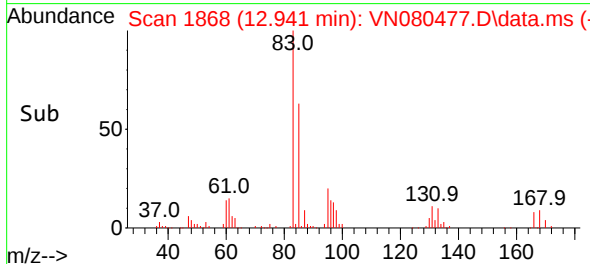
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



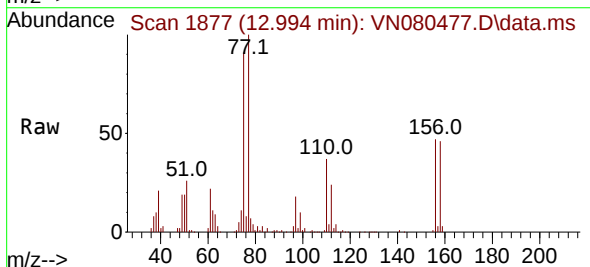
Tgt Ion: 83 Resp: 180510
Ion Ratio Lower Upper
83 100
131 11.8 5.0 15.0
85 65.4 31.9 95.7

Manual Integrations
APPROVED

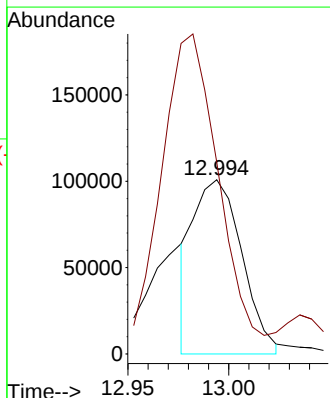
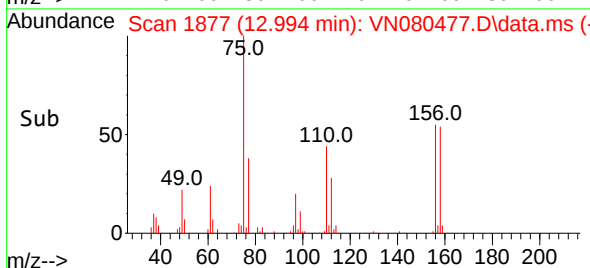
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

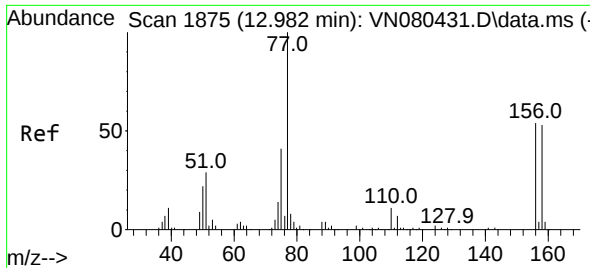


#76
1,2,3-Trichloropropane
Concen: 46.135 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



Tgt Ion: 75 Resp: 168568
Ion Ratio Lower Upper
75 100
77 219.9 84.5 253.5





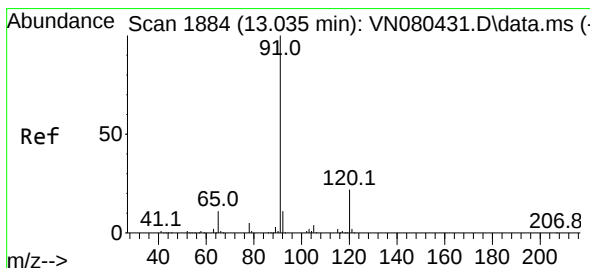
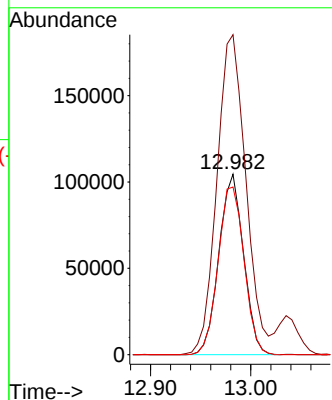
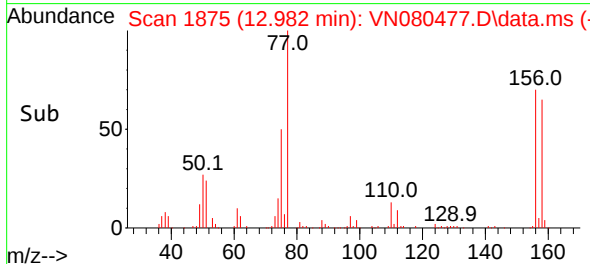
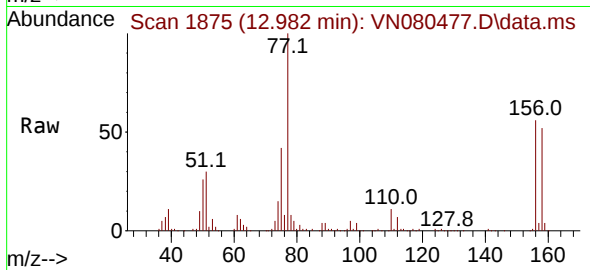
#77
Bromobenzene
Concen: 49.351 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 17862
Ion Ratio Lower Upper
156 100
77 207.5 107.7 323.3
158 97.7 48.4 145.3

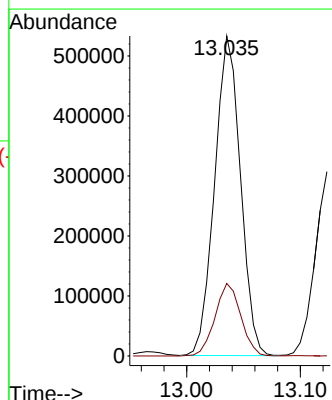
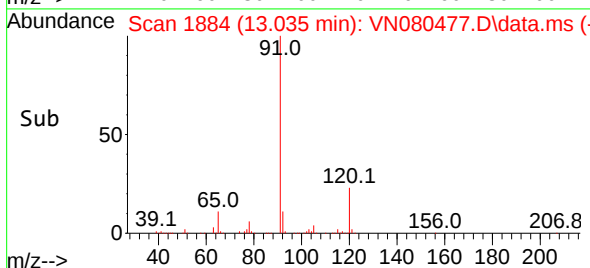
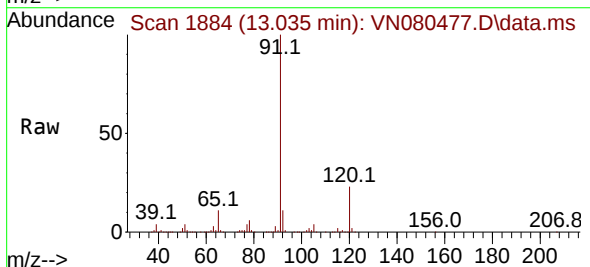
Manual Integrations
APPROVED

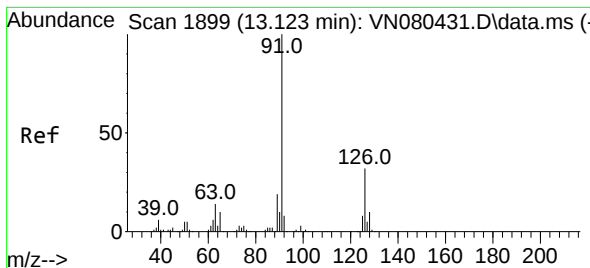
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#78
n-propylbenzene
Concen: 51.871 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Tgt Ion: 91 Resp: 841449
Ion Ratio Lower Upper
91 100
120 22.6 11.5 34.4





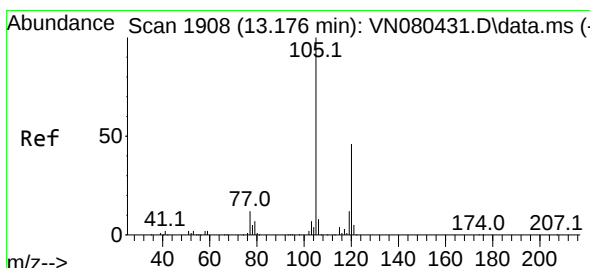
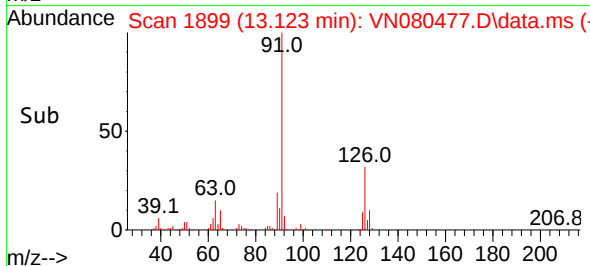
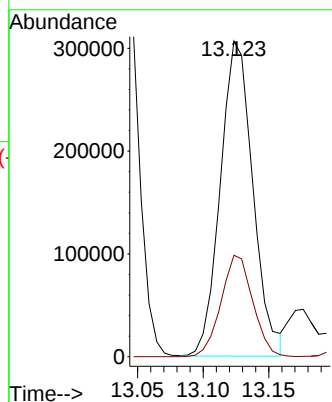
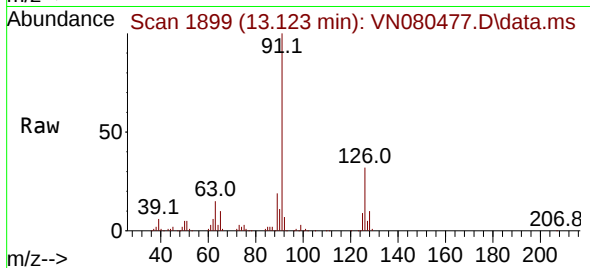
#79
2-Chlorotoluene
Concen: 50.034 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 529894
Ion Ratio Lower Upper
91 100
126 31.3 16.3 48.8

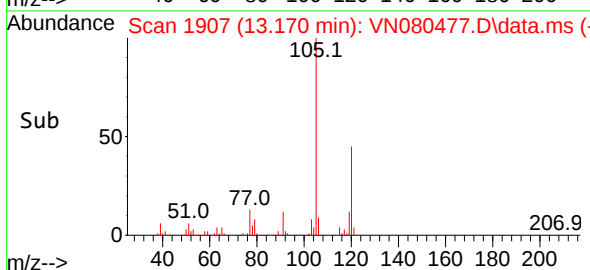
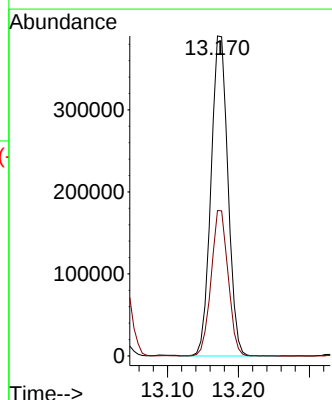
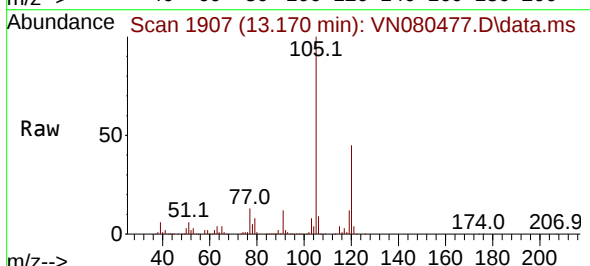
Manual Integrations
APPROVED

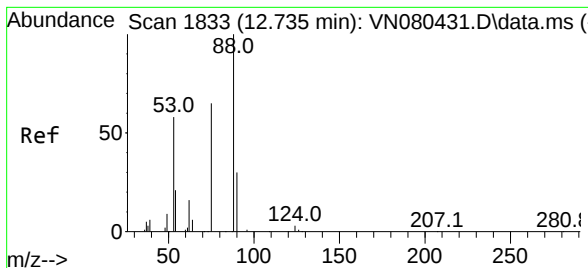
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#80
1,3,5-Trimethylbenzene
Concen: 51.053 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

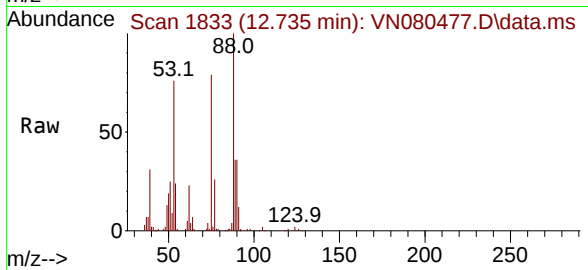
Tgt Ion:105 Resp: 646917
Ion Ratio Lower Upper
105 100
120 45.4 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 46.011 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

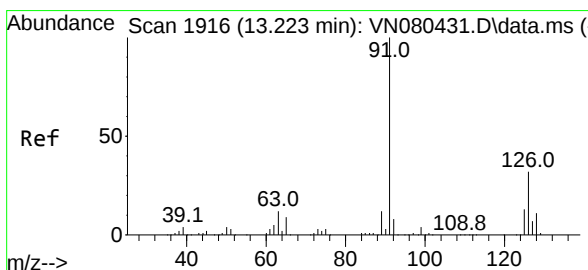
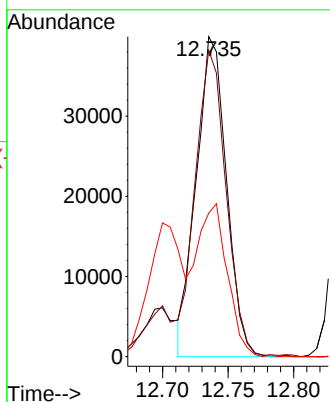
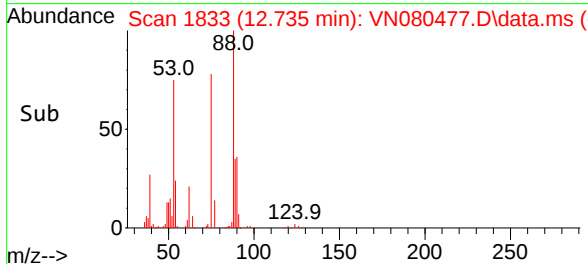
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



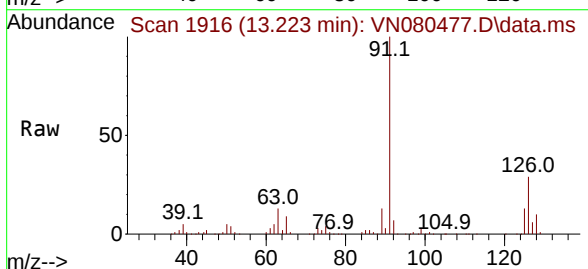
Tgt Ion: 75 Resp: 64030
Ion Ratio Lower Upper
75 100
53 99.1 67.4 101.2
89 48.8 38.8 58.2

Manual Integrations
APPROVED

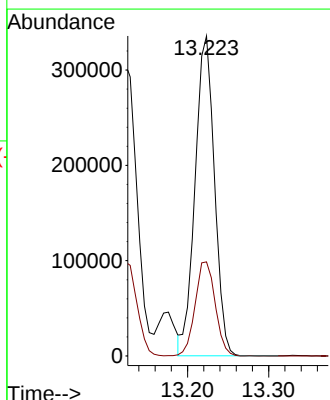
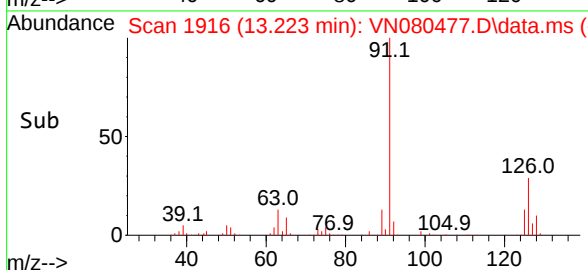
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

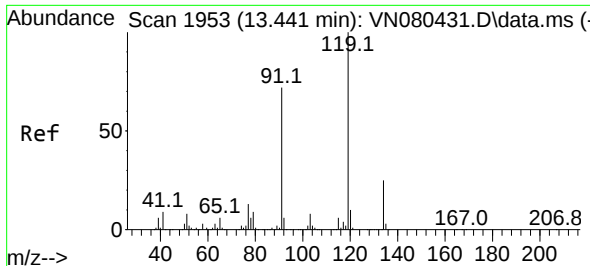


#82
4-Chlorotoluene
Concen: 51.116 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



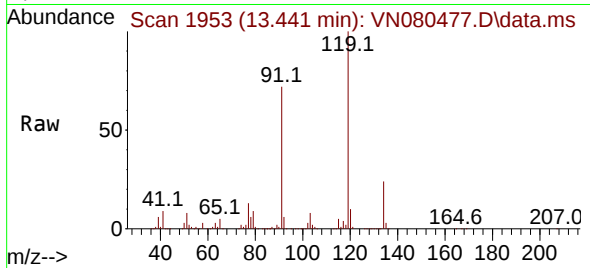
Tgt Ion: 91 Resp: 556445
Ion Ratio Lower Upper
91 100
126 30.6 16.7 50.0





#83
tert-Butylbenzene
Concen: 50.435 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

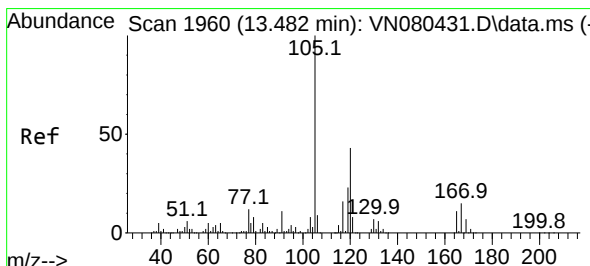
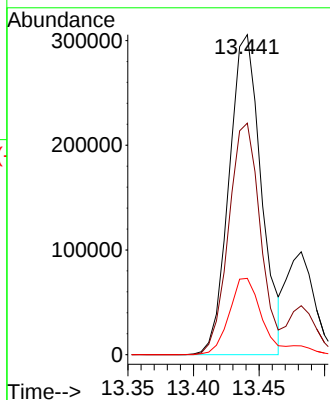
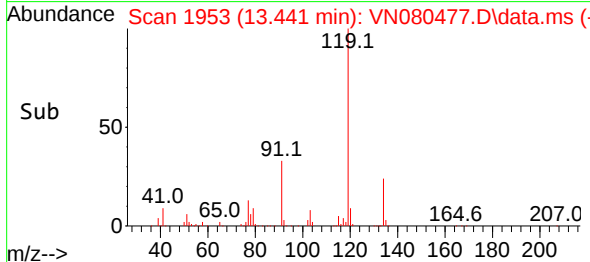
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



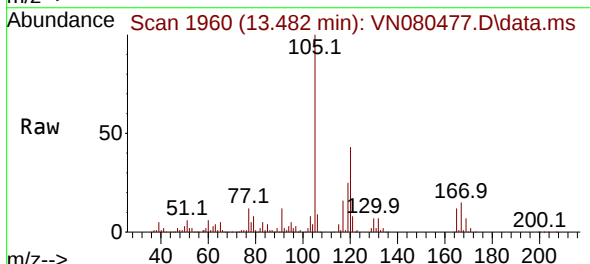
Tgt Ion:119 Resp: 52339
Ion Ratio Lower Upper
119 100
91 71.0 33.9 101.7
134 25.7 13.2 39.6

Manual Integrations
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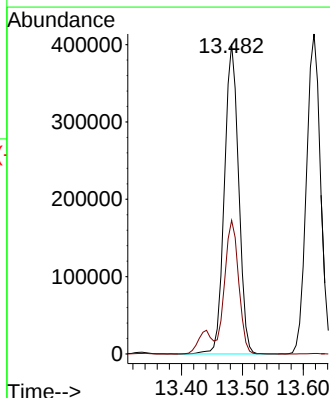
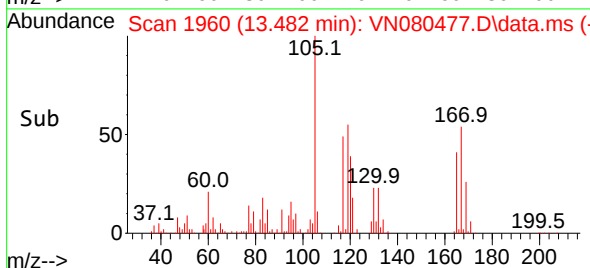
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

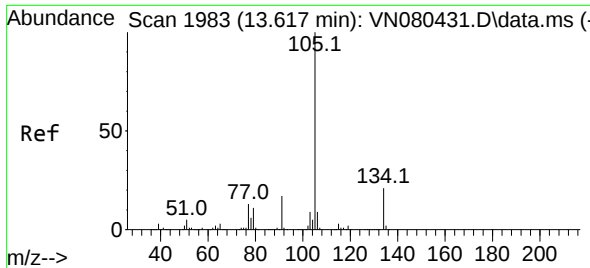


#84
1,2,4-Trimethylbenzene
Concen: 51.608 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



Tgt Ion:105 Resp: 650570
Ion Ratio Lower Upper
105 100
120 42.4 22.0 66.0





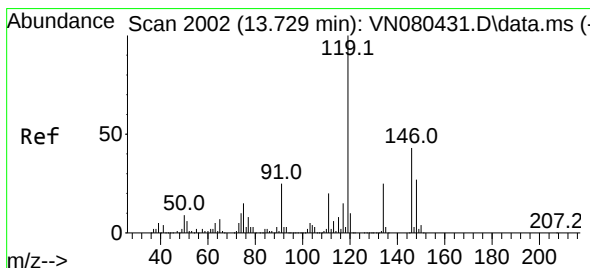
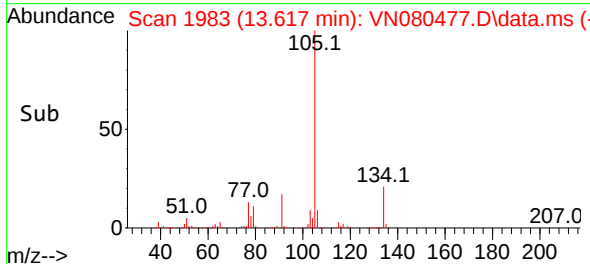
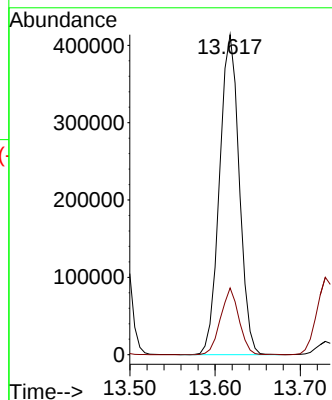
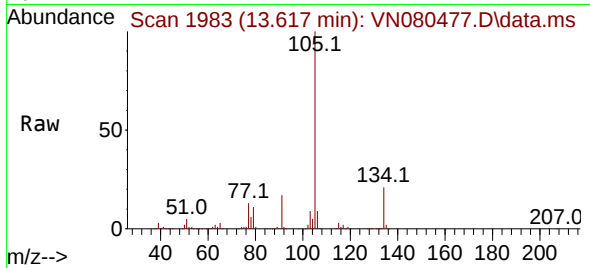
#85
 sec-Butylbenzene
 Concen: 50.068 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN080477.D
 Acq: 14 Dec 2023 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 664650
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.3

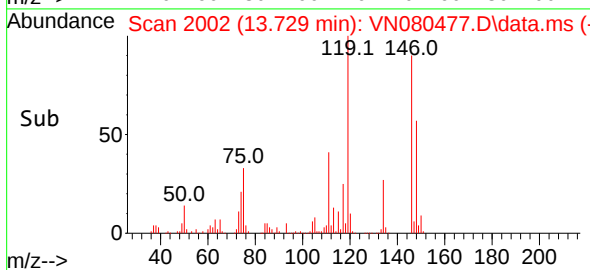
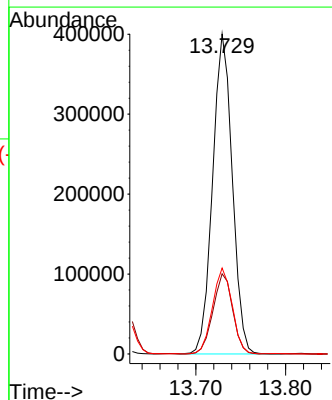
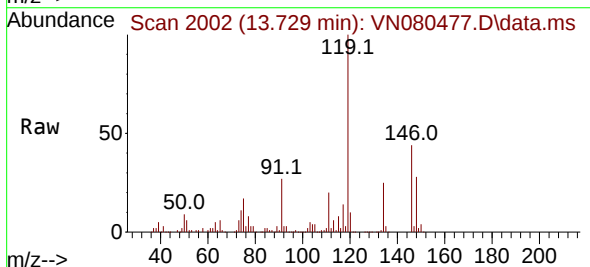
Manual Integrations
 APPROVED

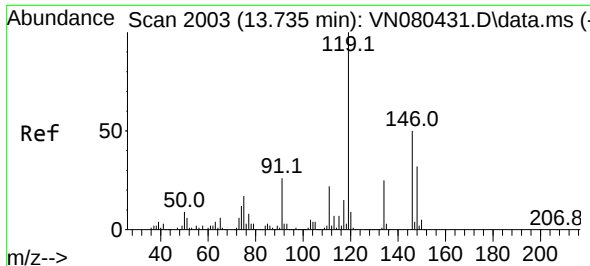
Reviewed By :John Carlone 12/15/2023
 Supervised By :Mahesh Dadoda 12/15/2023



#86
 p-Isopropyltoluene
 Concen: 50.784 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN080477.D
 Acq: 14 Dec 2023 11:38

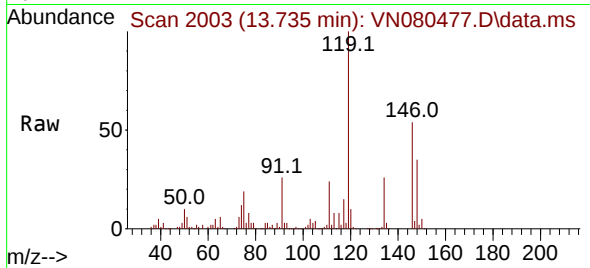
Tgt Ion:119 Resp: 608719
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.6 37.8
 91 26.8 12.4 37.2





#87
1,3-Dichlorobenzene
Concen: 49.762 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

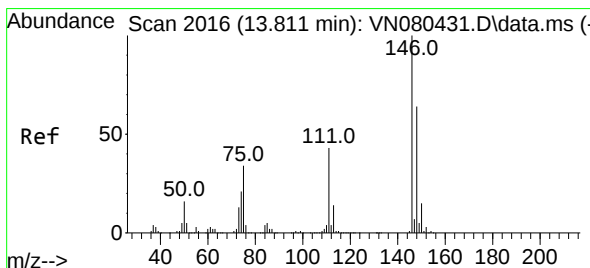
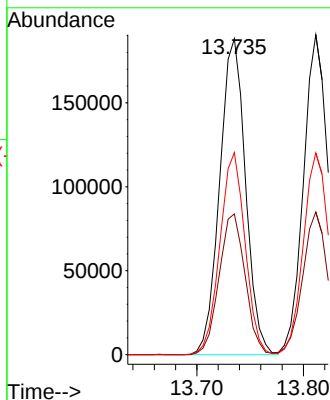
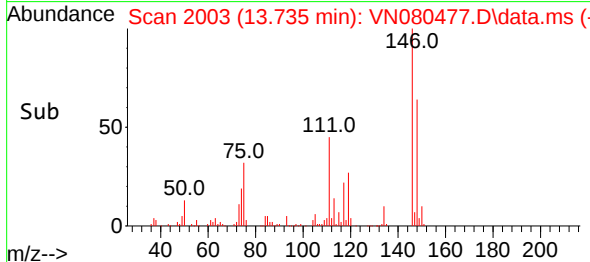
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



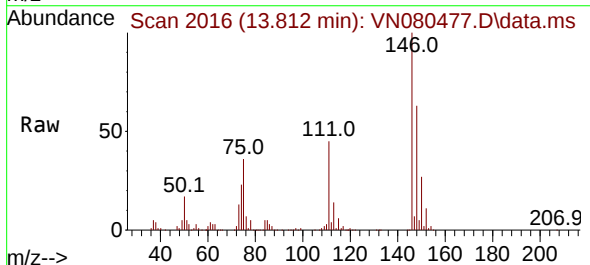
Tgt Ion:146 Resp: 317330
Ion Ratio Lower Upper
146 100
111 44.8 22.1 66.3
148 62.3 32.0 96.0

Manual Integrations
APPROVED

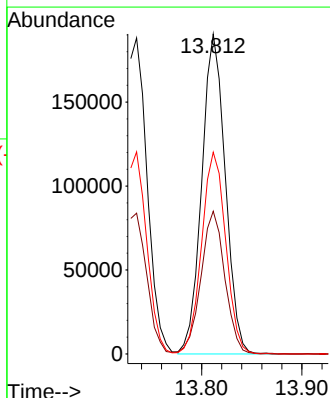
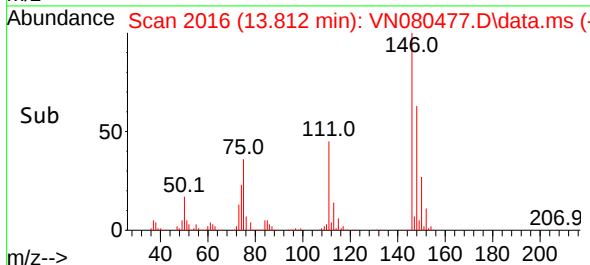
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

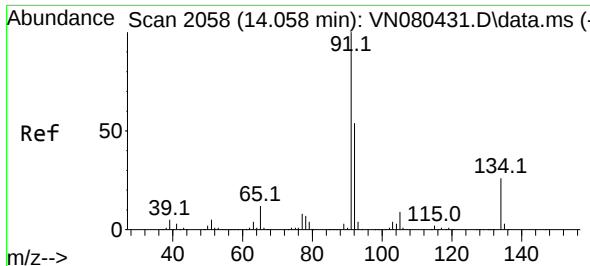


#88
1,4-Dichlorobenzene
Concen: 48.405 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



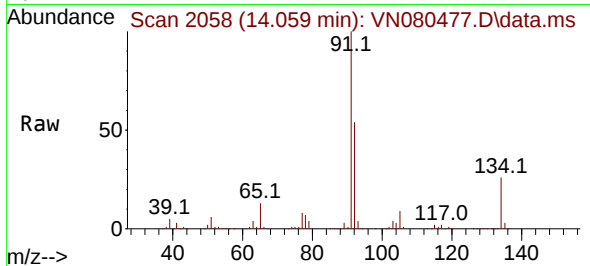
Tgt Ion:146 Resp: 311584
Ion Ratio Lower Upper
146 100
111 45.5 20.6 61.8
148 64.6 31.6 94.8





#89
n-Butylbenzene
Concen: 50.720 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

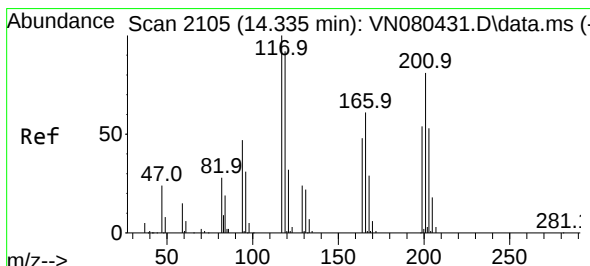
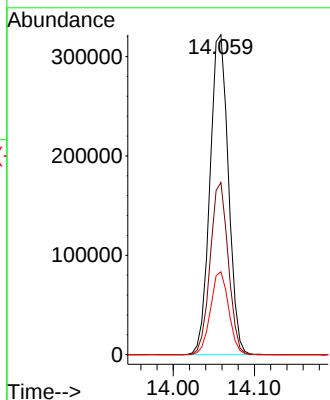
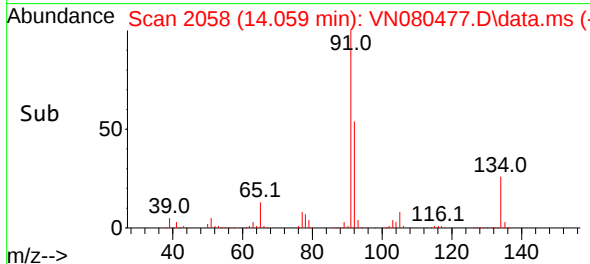
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 91 Resp: 507704
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 25.6 12.6 37.6

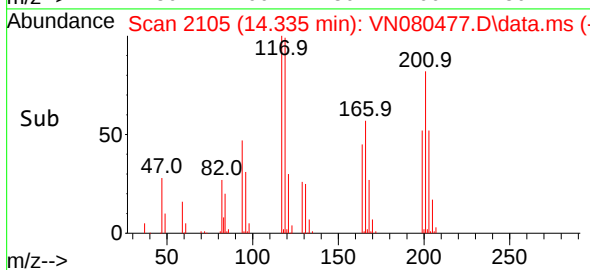
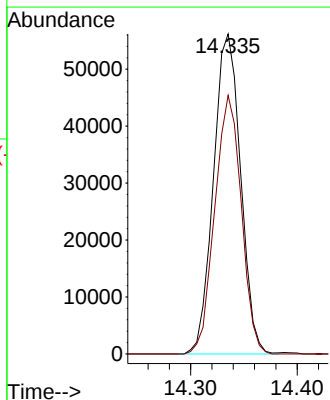
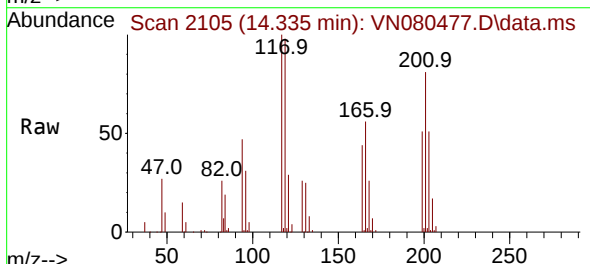
Manual Integrations
APPROVED

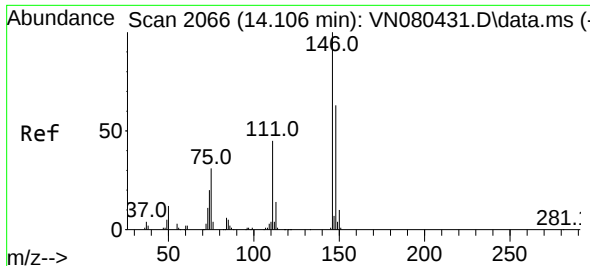
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#90
Hexachloroethane
Concen: 52.210 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

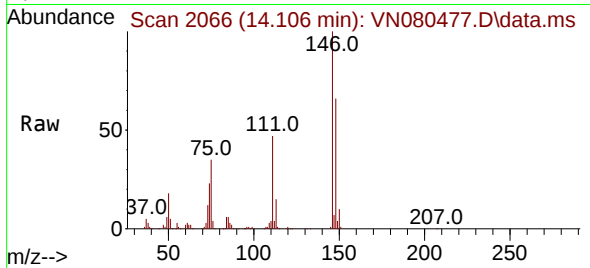
Tgt Ion:117 Resp: 99386
Ion Ratio Lower Upper
117 100
201 78.9 29.3 88.0





#91
1,2-Dichlorobenzene
Concen: 49.310 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

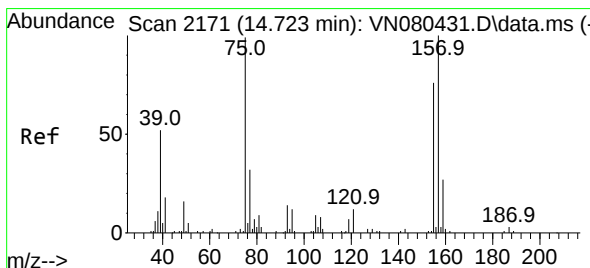
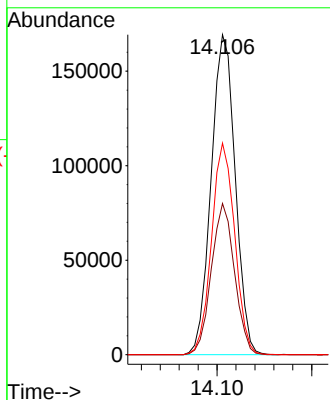
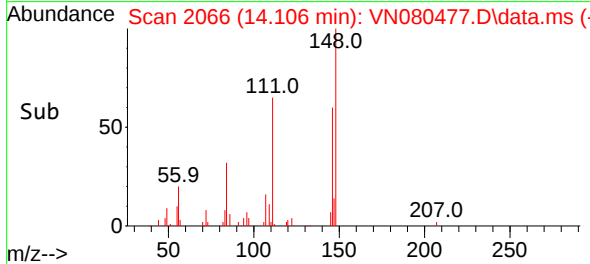
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 298590
Ion Ratio Lower Upper
146 100
111 45.5 22.0 66.0
148 63.7 31.8 95.3

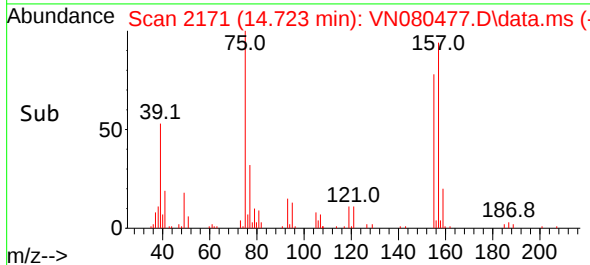
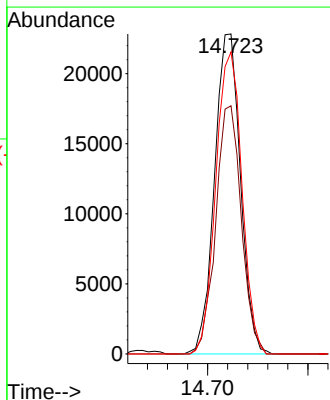
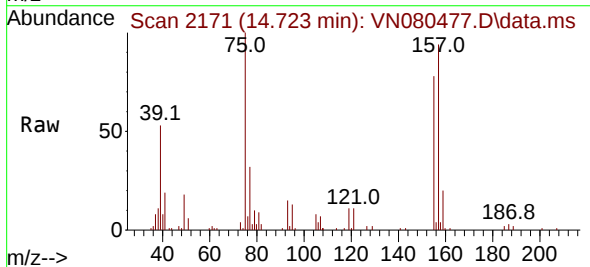
Manual Integrations
APPROVED

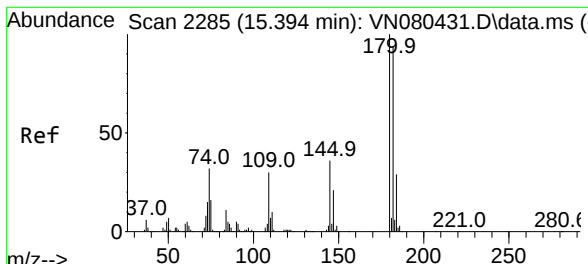
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.386 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

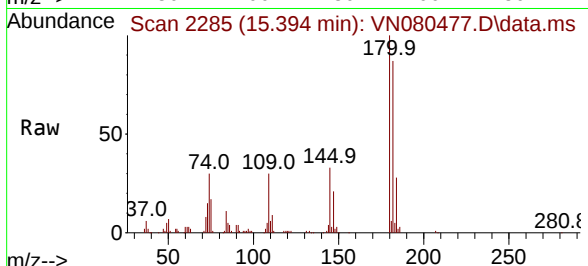
Tgt Ion: 75 Resp: 40955
Ion Ratio Lower Upper
75 100
155 76.7 39.1 117.2
157 95.1 50.3 150.9





#93
 1,2,4-Trichlorobenzene
 Concen: 53.164 ug/l
 RT: 15.394 min Scan# 2180
 Delta R.T. 0.000 min
 Lab File: VN080477.D
 Acq: 14 Dec 2023 11:38

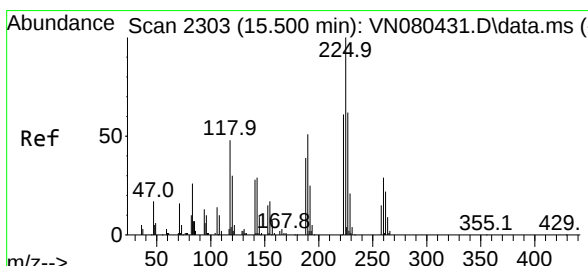
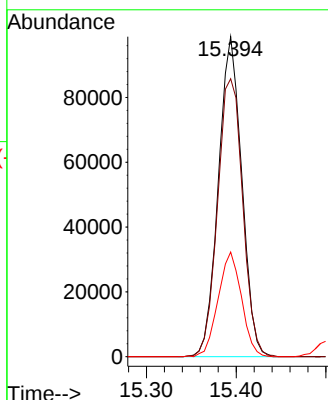
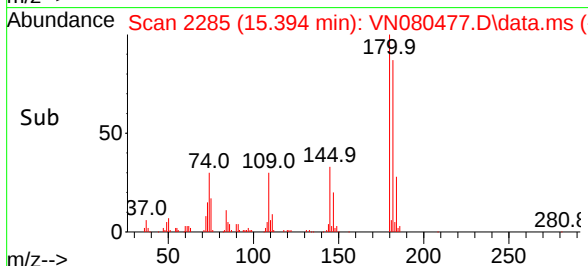
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



Tgt Ion:	180	Resp:	178740
Ion Ratio	Lower	Upper	
180	100		
182	93.3	46.1	138.2
145	32.6	16.6	49.8

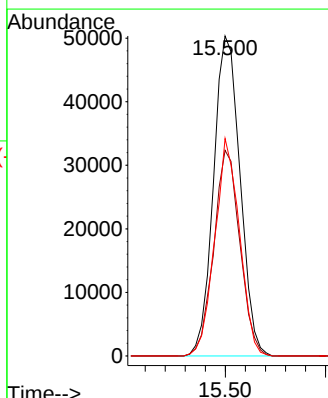
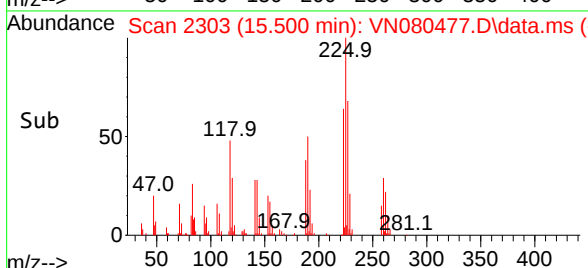
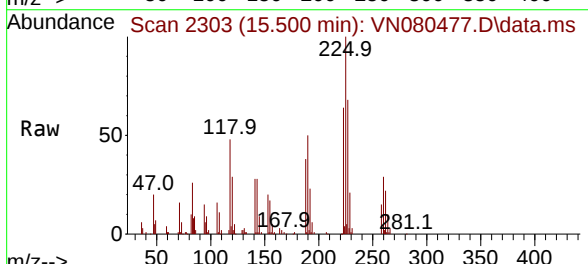
Manual Integrations
 APPROVED

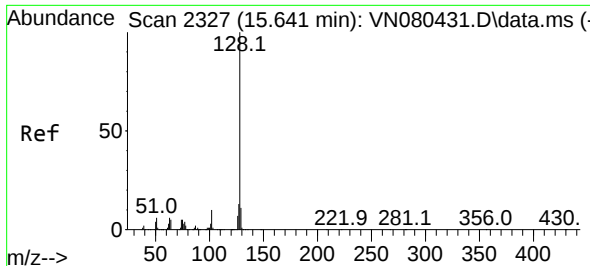
Reviewed By :John Carlone 12/15/2023
 Supervised By :Mahesh Dadoda 12/15/2023



#94
 Hexachlorobutadiene
 Concen: 48.333 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. 0.000 min
 Lab File: VN080477.D
 Acq: 14 Dec 2023 11:38

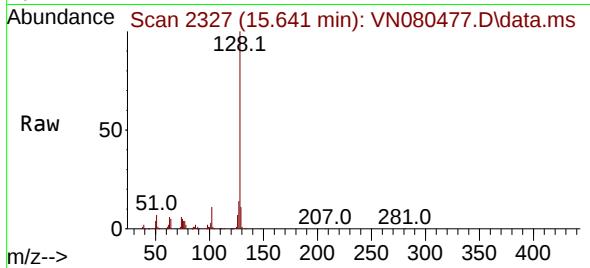
Tgt Ion:	225	Resp:	92510
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.3	93.8
227	63.4	31.9	95.9





#95
Naphthalene
Concen: 50.499 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38

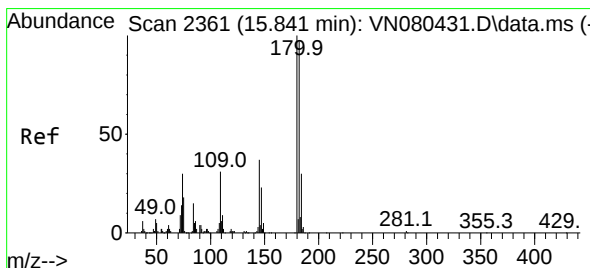
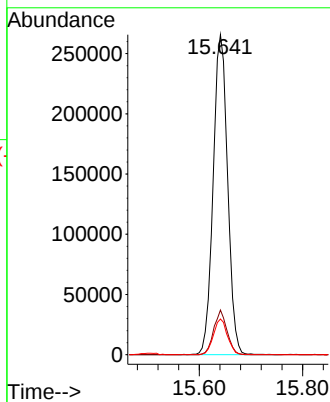
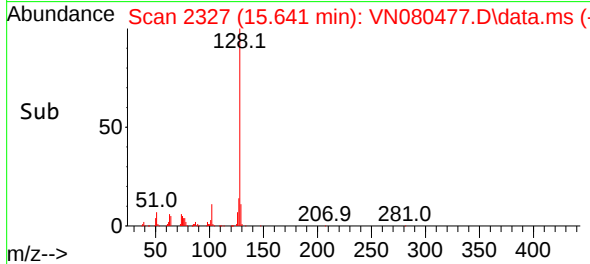
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



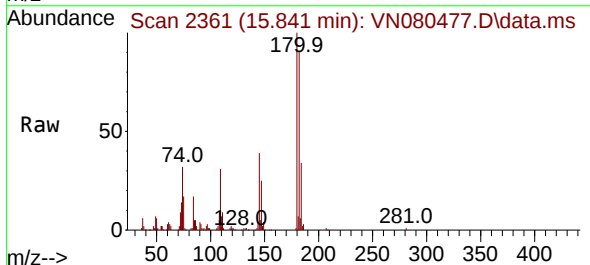
Tgt Ion:128 Resp: 51554
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 10.8 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#96
1,2,3-Trichlorobenzene
Concen: 51.026 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN080477.D
Acq: 14 Dec 2023 11:38



Tgt Ion:180 Resp: 165547
Ion Ratio Lower Upper
180 100
182 93.1 46.2 138.6
145 36.4 17.5 52.6

