

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
 Data File : VN077590.D
 Acq On : 05 May 2023 13:42
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2023
 Supervised By : Mahesh Dadoda 05/08/2023

Quant Time: May 06 02:27:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	65289	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	475072	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	525879	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	188570	32.397	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.000%			
60) 4-Bromofluorobenzene	12.848	95	290917	31.576	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 105.267%			
63) Toluene-d8	10.566	98	555296	29.966	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	161834	19.910	ug/l	99
3) Chloromethane	2.372	50	136886	22.797	ug/l	99
4) Vinyl Chloride	2.525	62	169913	20.346	ug/l	100
5) Bromomethane	2.960	94	123209	17.477	ug/l	95
6) Chloroethane	3.131	64	118845	19.761	ug/l	89
7) Trichlorofluoromethane	3.507	101	256191	20.801	ug/l	94
8) Diethyl Ether	3.972	74	94373	21.897	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.384	101	138000	19.825	ug/l	98
10) 1,1-Dichloroethene	4.349	96	129571	19.403	ug/l #	82
11) Methyl Iodide	4.596	142	160098	19.542	ug/l	92
12) Methyl Acetate	5.037	43	227461	23.618	ug/l	97
13) Acrolein	4.184	56	121463	105.187	ug/l	99
14) Acrylonitrile	5.725	53	315312	106.715	ug/l	98
15) Acetone	4.443	58	87867	93.141	ug/l	99
16) Carbon Disulfide	4.725	76	323110	19.295	ug/l	100
17) Allyl chloride	5.031	41	161077	21.998	ug/l	94
18) Methylene Chloride	5.290	84	159218	20.211	ug/l	92
19) trans-1,2-Dichloroethene	5.796	96	142995	19.380	ug/l	91
20) Diisopropyl ether	6.678	45	405815	23.808	ug/l	96
21) 1,1-Dichloroethane	6.578	63	272164	21.849	ug/l	97
22) cis-1,2-Dichloroethene	7.490	96	178964	20.251	ug/l	95
23) tert-Butyl Alcohol	5.531	59	131490	103.153	ug/l #	100
24) Methyl tert-Butyl Ether	5.801	73	477747	20.626	ug/l	97
25) Chloroform	7.972	83	303139	21.173	ug/l	94
26) Cyclohexane	8.260	56	215925	21.249	ug/l #	92
29) 1,1-Dichloropropene	8.372	75	214341	21.404	ug/l	98
30) 2-Butanone	7.490	43	406861	110.818	ug/l	94
31) 2,2-Dichloropropane	7.495	77	226968	19.371	ug/l	99
32) 1,1,1-Trichloroethane	8.172	97	272053	21.048	ug/l	97
33) Carbon Tetrachloride	8.366	117	225304	20.083	ug/l	94
34) Benzene	8.607	78	654082	21.239	ug/l #	96
35) Methacrylonitrile	7.784	41	93714	25.000	ug/l	96
36) 1,2-Dichloroethane	8.672	62	232741	22.129	ug/l	97
37) Trichloroethene	9.354	130	157373	20.218	ug/l	95
38) Methylcyclohexane	9.607	83	253606	19.276	ug/l	93
39) 1,2-Dichloropropane	9.625	63	154196	21.618	ug/l	94
40) Dibromomethane	9.713	93	117155	20.827	ug/l	97
41) Bromodichloromethane	9.889	83	237308	21.360	ug/l	97
42) Vinyl Acetate	6.613	43	1265287	109.427	ug/l	93

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	162500m	22.867	ug/l	
44) Isopropyl Acetate	8.690	43	288427	22.912	ug/l	94
45) 1,4-Dioxane	9.695	88	61895	405.432	ug/l	95
46) Methyl methacrylate	9.684	41	134565	23.488	ug/l	93
47) n-amyl Acetate	12.495	43	233828	23.172	ug/l	98
48) t-1,3-Dichloropropene	10.836	75	233538	20.647	ug/l	97
49) cis-1,3-Dichloropropene	10.313	75	256727	21.026	ug/l	94
50) 1,1,2-Trichloroethane	11.019	97	168437	21.094	ug/l	98
51) Ethyl methacrylate	10.878	69	242811	21.964	ug/l	94
52) 1,3-Dichloropropane	11.166	76	275715	21.278	ug/l	98
53) Dibromochloromethane	11.360	129	167360	20.357	ug/l	96
54) 1,2-Dibromoethane	11.472	107	167318	20.475	ug/l	98
55) 2-Chloroethyl vinyl ether	10.160	63	321528	88.631	ug/l	98
56) Bromoform	12.577	173	99790	19.461	ug/l	97
58) 4-Methyl-2-Pentanone	10.448	43	879741	116.161	ug/l	94
59) 2-Hexanone	11.195	43	622590	111.581	ug/l	95
61) Tetrachloroethene	11.107	164	119671	19.483	ug/l	93
62) Toluene	10.631	91	732317	20.706	ug/l	100
64) Chlorobenzene	11.895	112	436072	20.183	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.966	131	158601	20.540	ug/l	98
66) Ethyl Benzene	11.966	91	807907	20.920	ug/l	100
67) m/p-Xylenes	12.072	106	622710	41.409	ug/l	96
68) o-Xylene	12.401	106	312458	20.918	ug/l	98
69) Styrene	12.413	104	483944	20.835	ug/l	97
70) Isopropylbenzene	12.695	105	783889	20.674	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.936	83	234546	20.308	ug/l	98
72) 1,2,3-Trichloropropane	12.995	75	198197m	20.174	ug/l	
73) Bromobenzene	12.983	156	161189	19.769	ug/l	93
74) n-propylbenzene	13.036	91	881773	20.899	ug/l	98
75) 2-Chlorotoluene	13.124	91	547184	21.026	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	618960	21.178	ug/l	99
77) t-1,4-Dichloro-2-butene	12.736	75	57820	17.818	ug/l	88
78) 4-Chlorotoluene	13.225	91	516790	20.976	ug/l	99
79) tert-butylbenzene	13.442	119	555867	20.560	ug/l	99
80) 1,2,4-Trimethylbenzene	13.483	105	572459	21.297	ug/l	99
81) sec-Butylbenzene	13.619	105	775753	20.581	ug/l	100
82) p-Isopropyltoluene	13.730	119	598895	20.277	ug/l	98
83) 1,3-Dichlorobenzene	13.736	146	284163	19.922	ug/l	97
84) 1,4-Dichlorobenzene	13.813	146	281287	19.958	ug/l	98
85) n-Butylbenzene	14.060	91	455235	19.945	ug/l	98
86) Hexachloroethane	14.336	117	117107	19.572	ug/l	100
87) 1,2-Dichlorobenzene	14.107	146	283117	19.509	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.724	75	41660	19.514	ug/l	97
89) 1,2,4-Trichlorobenzene	15.395	180	63426	16.652	ug/l	97
90) Hexachlorobutadiene	15.501	225	58506	18.887	ug/l	95
91) Naphthalene	15.642	128	225234	16.198	ug/l	99
92) 1,2,3-Trichlorobenzene	15.842	180	58794	16.498	ug/l	98

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

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VSTDCCC020

Manual Integrations

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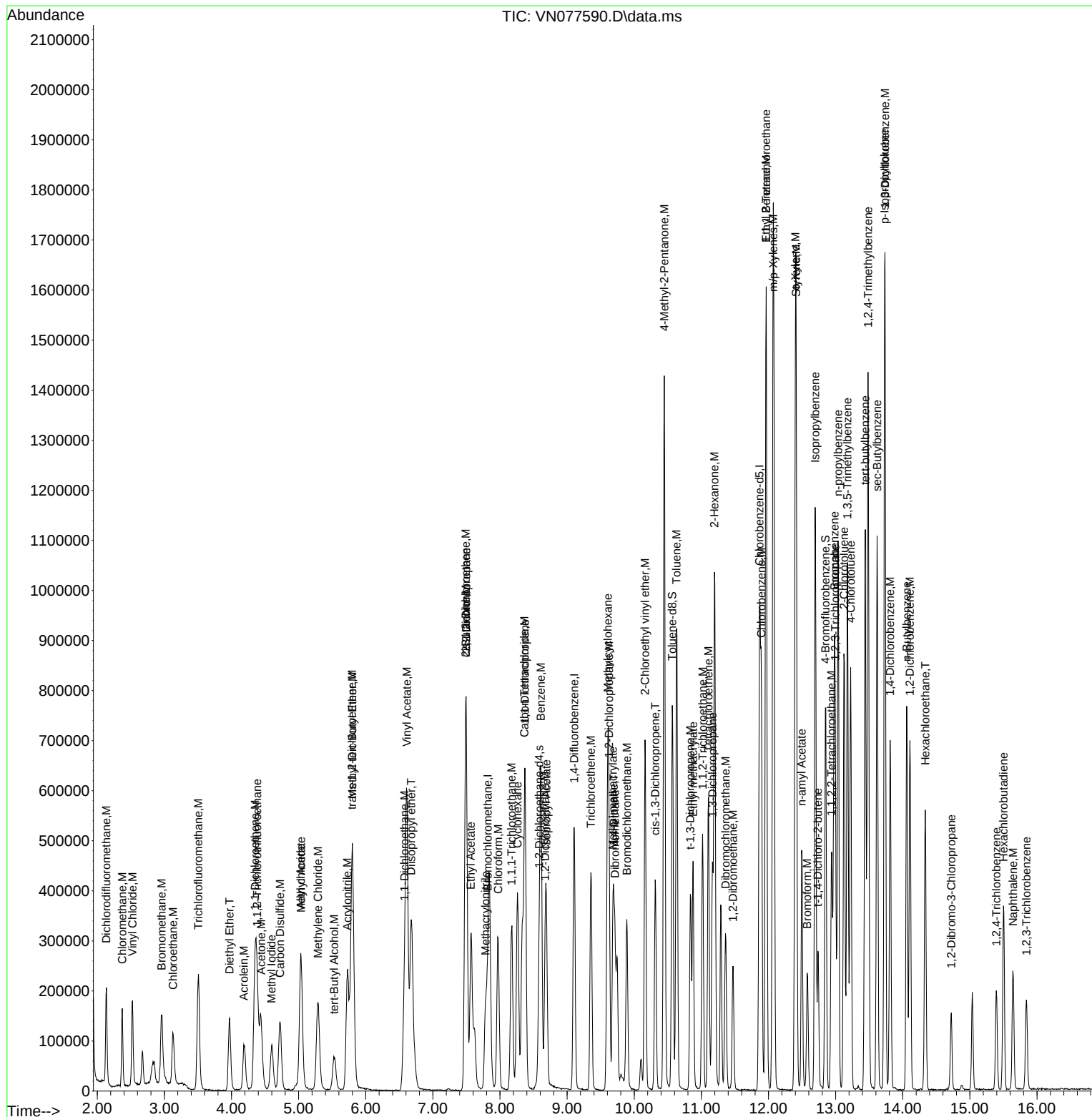
Quant Time: May 06 02:27:53 2023

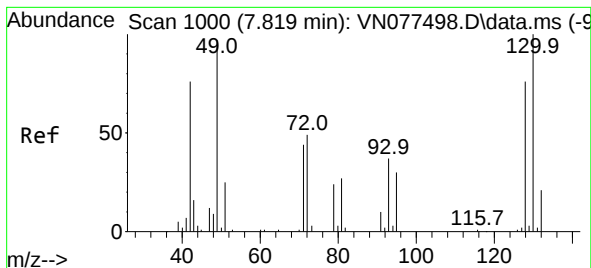
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri Apr 28 16:20:59 2023

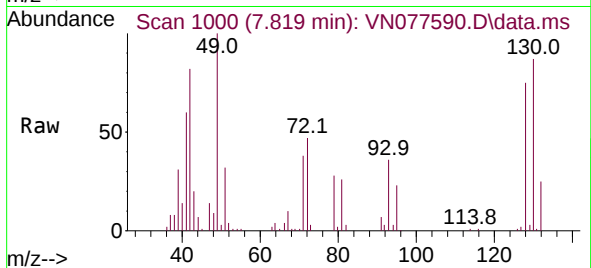
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

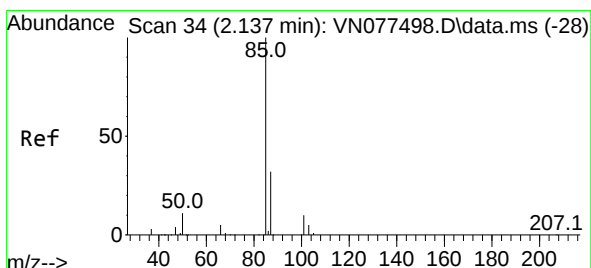
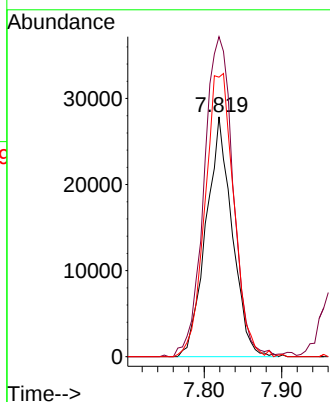
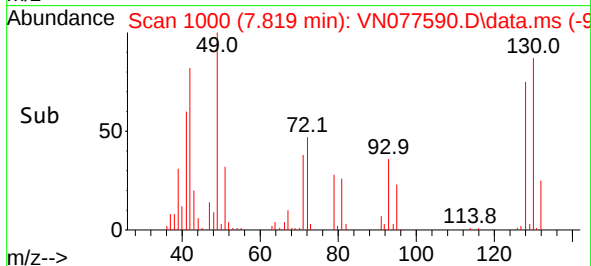
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



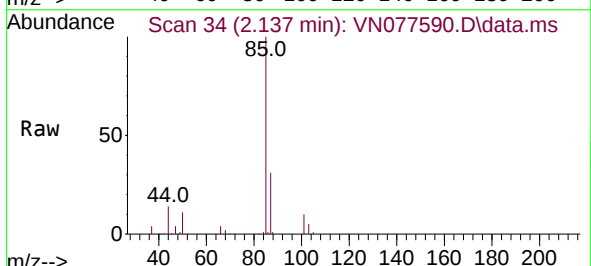
Tgt Ion:128 Resp: 65289
Ion Ratio Lower Upper
128 100
49 148.2 0.0 338.5
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Manual Integrations
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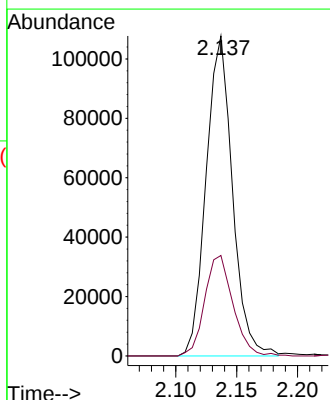
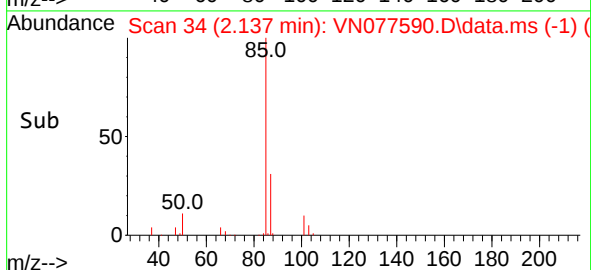
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

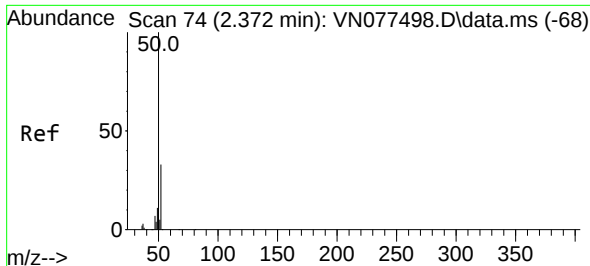


#2
Dichlorodifluoromethane
Concen: 19.910 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



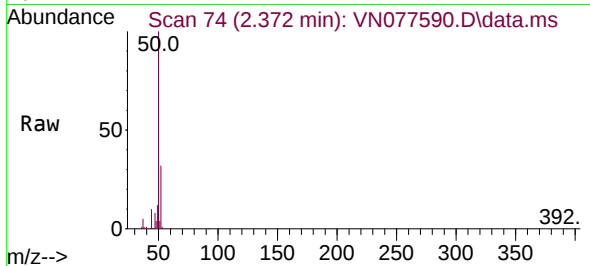
Tgt Ion: 85 Resp: 161834
Ion Ratio Lower Upper
85 100
87 31.4 16.1 48.3





#3
Chloromethane
Concen: 22.797 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

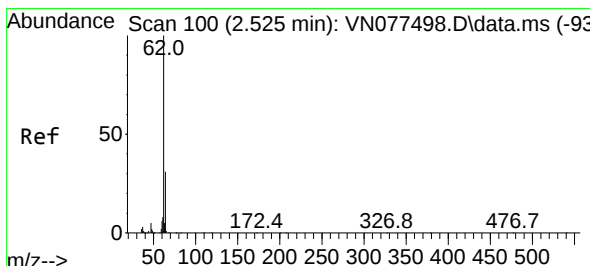
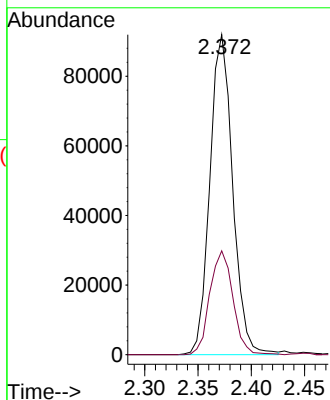
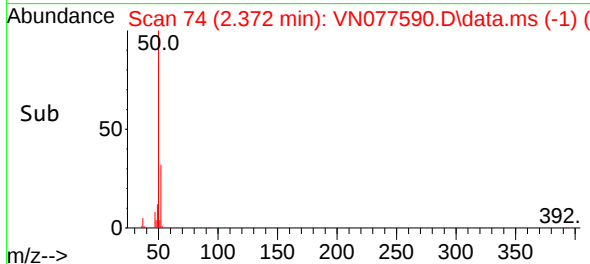
Instrument :
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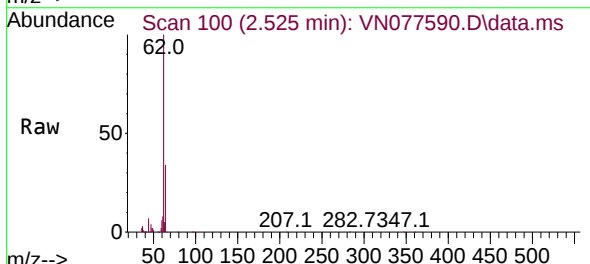
Tgt Ion: 50 Resp: 136880
Ion Ratio Lower Upper
50 100
52 32.5 26.6 39.8

Manual Integrations
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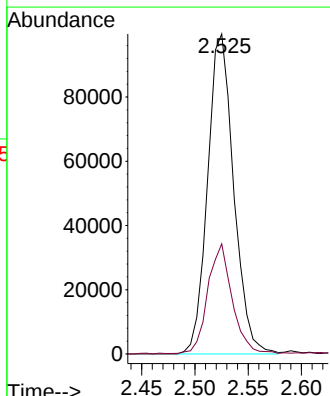
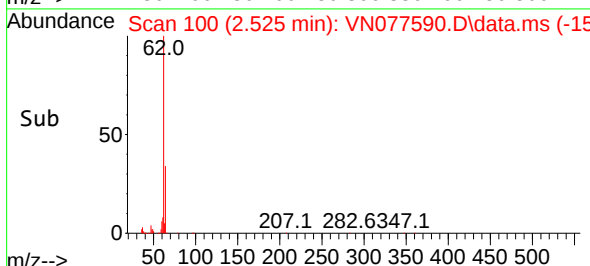
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

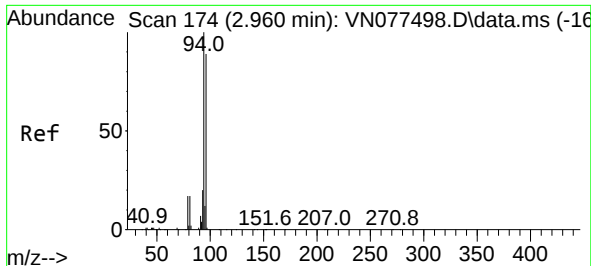


#4
Vinyl Chloride
Concen: 20.346 ug/l
RT: 2.525 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



Tgt Ion: 62 Resp: 169913
Ion Ratio Lower Upper
62 100
64 34.2 27.1 40.7





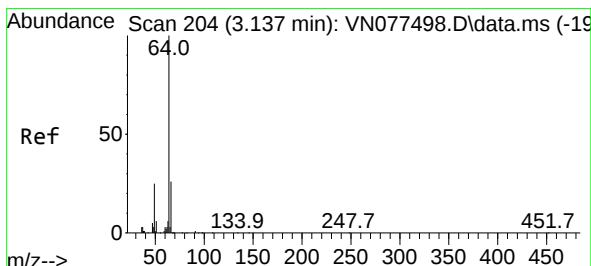
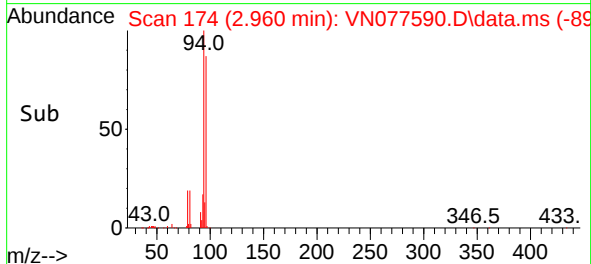
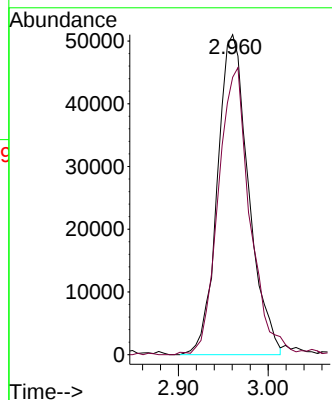
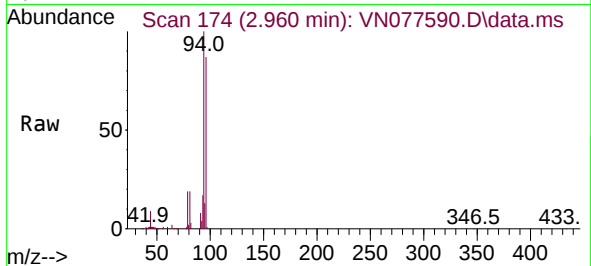
#5
Bromomethane
Concen: 17.477 ug/l
RT: 2.960 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Instrument :
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Tgt Ion: 94 Resp: 123209
Ion Ratio Lower Upper
94 100
96 86.0 72.6 108.8

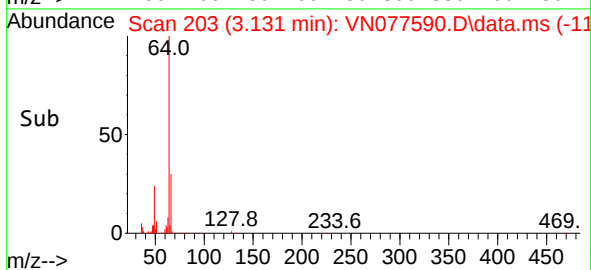
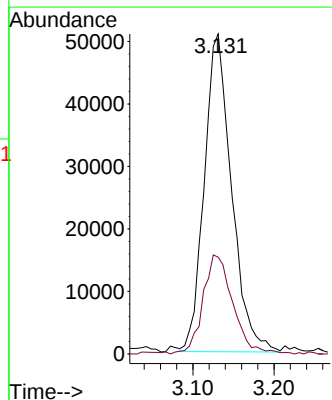
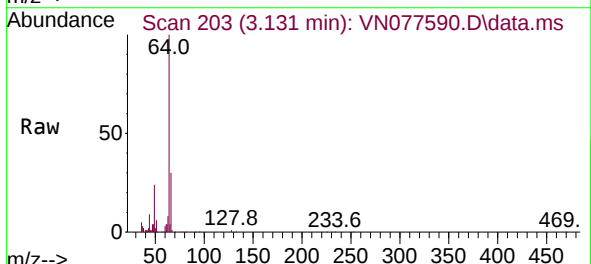
Manual Integrations
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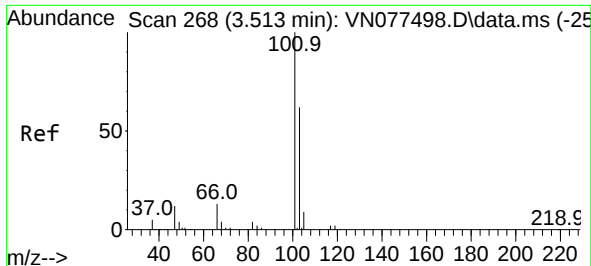
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#6
Chloroethane
Concen: 19.761 ug/l
RT: 3.131 min Scan# 203
Delta R.T. -0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

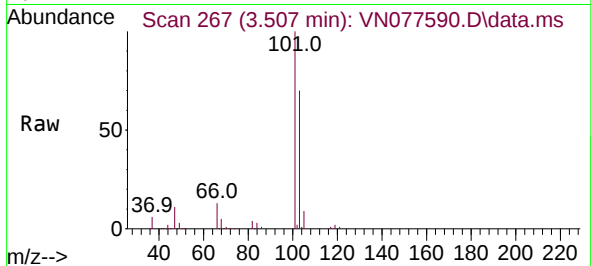
Tgt Ion: 64 Resp: 118845
Ion Ratio Lower Upper
64 100
66 30.1 29.1 43.7





#7
Trichlorofluoromethane
Concen: 20.801 ug/l
RT: 3.507 min Scan# 268
Delta R.T. -0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

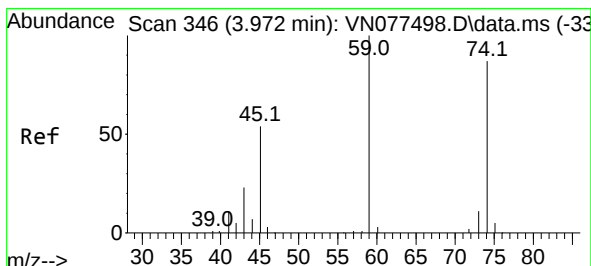
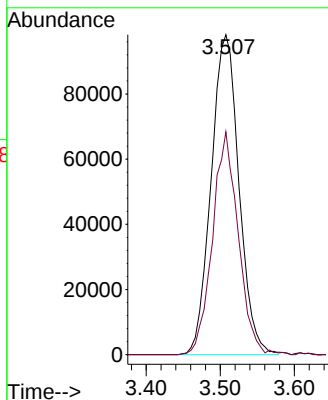
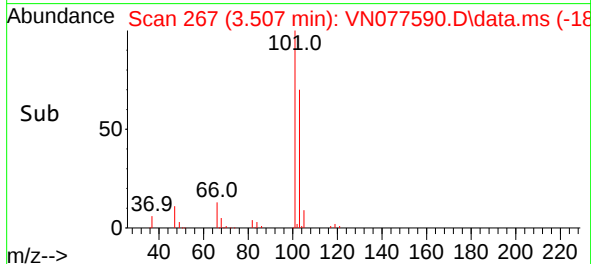
Instrument :
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VSTDCCC020



Tgt Ion: 101 Resp: 25619
Ion Ratio Lower Upper
101 100
103 69.6 51.8 77.8

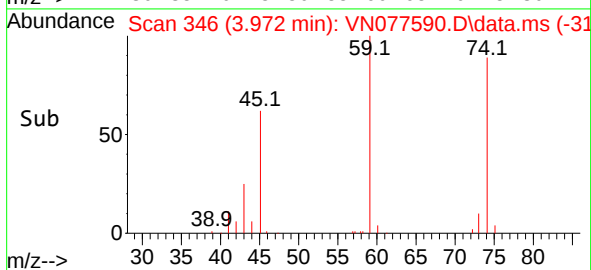
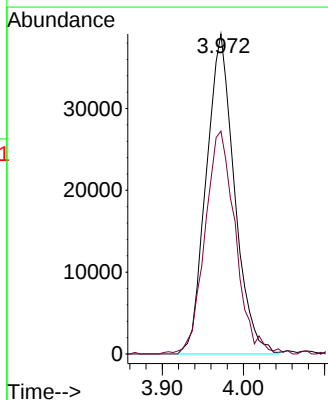
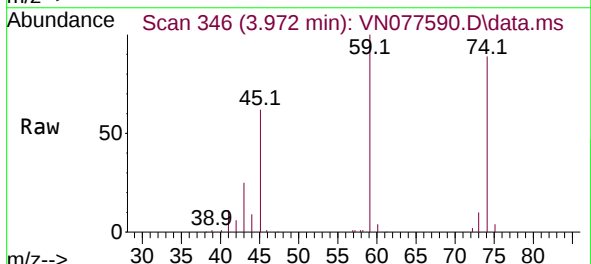
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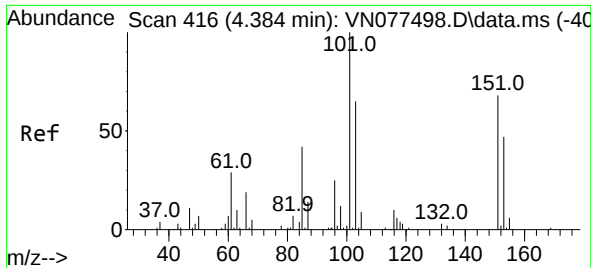
Reviewed By : John Carlone 05/08/2023
Supervised By : Mahesh Dadoda 05/08/2023



#8
Diethyl Ether
Concen: 21.897 ug/l
RT: 3.972 min Scan# 346
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Tgt Ion: 74 Resp: 94373
Ion Ratio Lower Upper
74 100
45 72.8 13.6 122.0





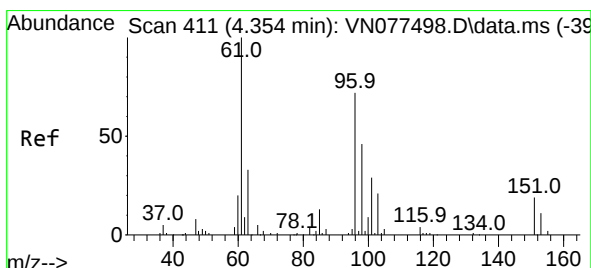
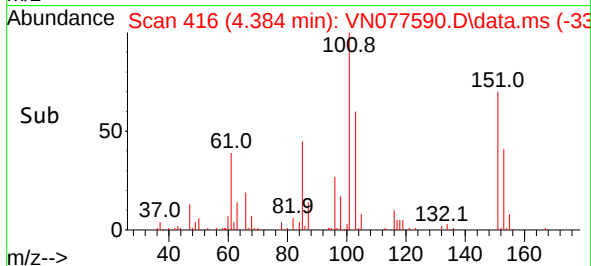
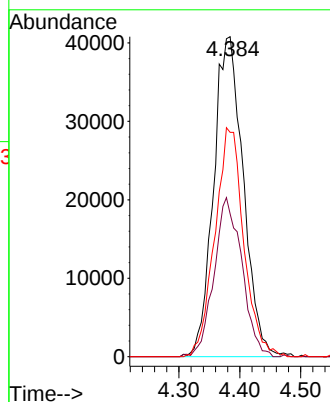
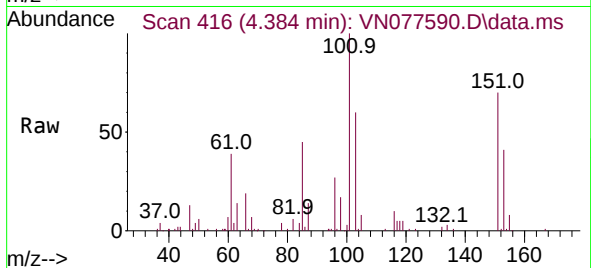
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.825 ug/l
RT: 4.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 138000
Ion Ratio Lower Upper
101 100
85 46.4 0.0 90.4
151 69.0 0.0 140.8

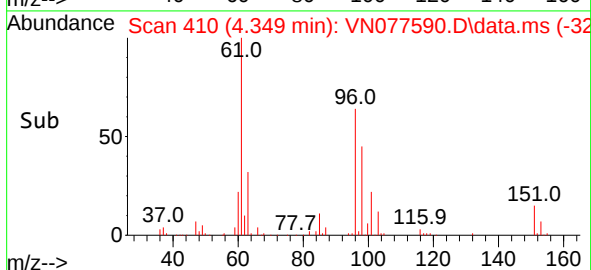
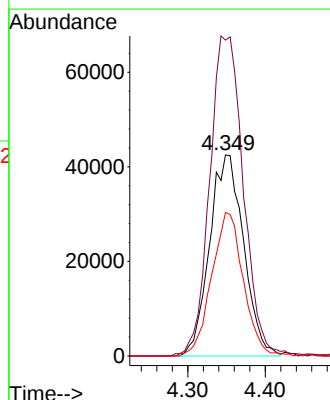
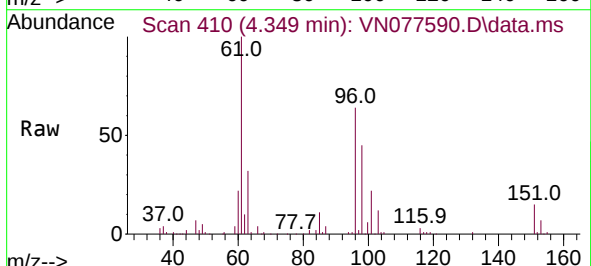
Manual Integrations
APPROVED

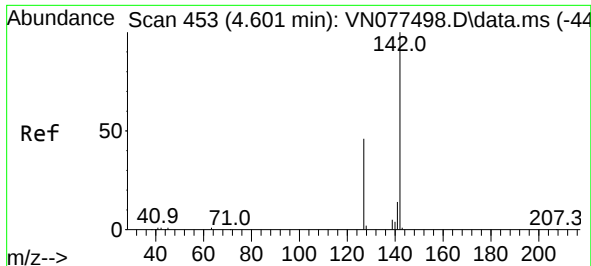
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#10
1,1-Dichloroethene
Concen: 19.403 ug/l
RT: 4.349 min Scan# 410
Delta R.T. -0.005 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

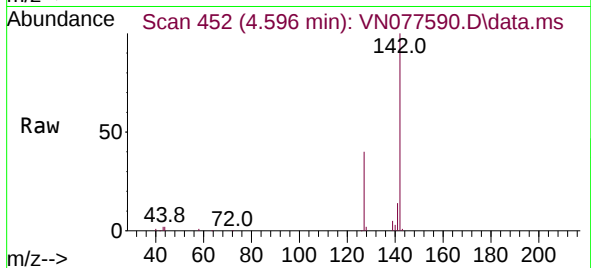
Tgt Ion: 96 Resp: 129571
Ion Ratio Lower Upper
96 100
61 156.1 108.8 163.2
98 70.4 43.5 65.3





#11
Methyl Iodide
Concen: 19.542 ug/l
RT: 4.596 min Scan# 411
Delta R.T. -0.005 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

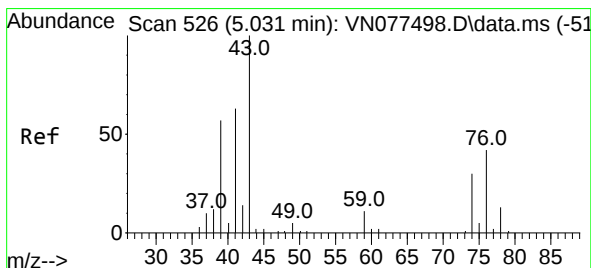
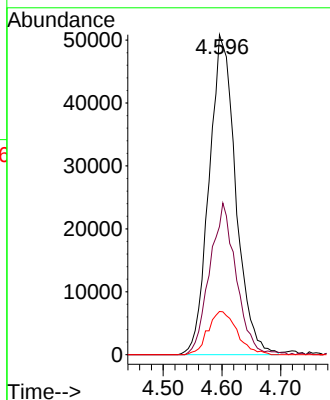
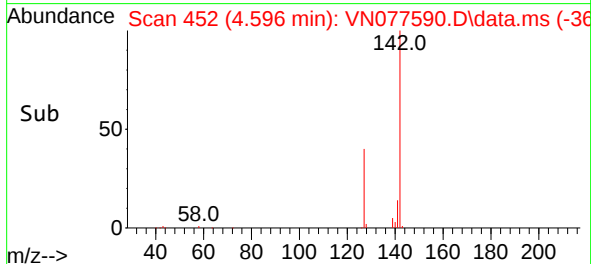
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 160098
Ion Ratio Lower Upper
142 100
127 39.8 23.1 69.3
141 13.5 6.0 18.0

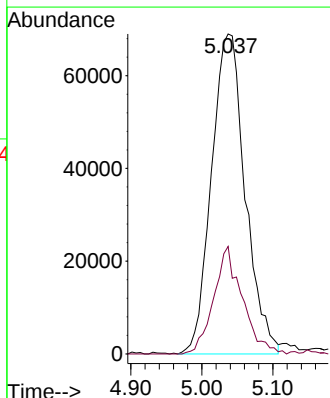
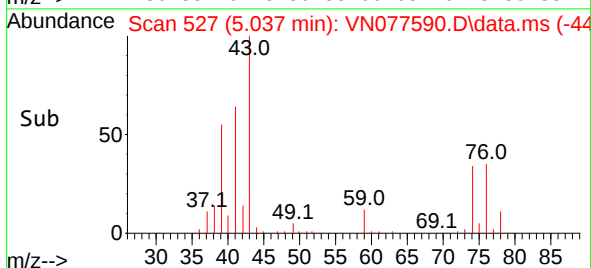
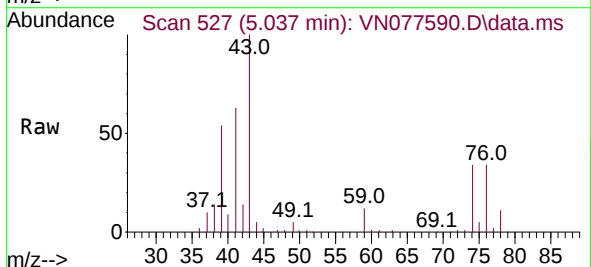
Manual Integrations
APPROVED

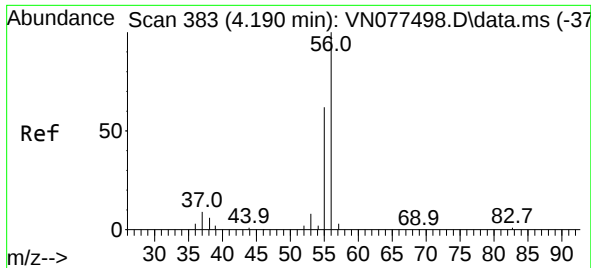
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#12
Methyl Acetate
Concen: 23.618 ug/l
RT: 5.037 min Scan# 527
Delta R.T. 0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Tgt Ion: 43 Resp: 227461
Ion Ratio Lower Upper
43 100
74 33.7 25.8 38.8





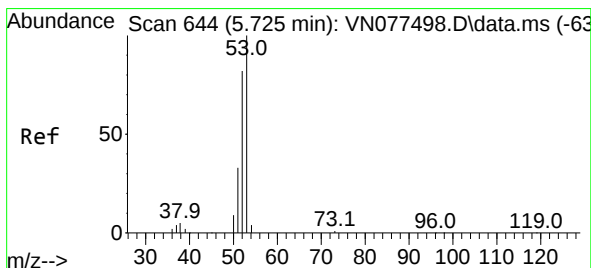
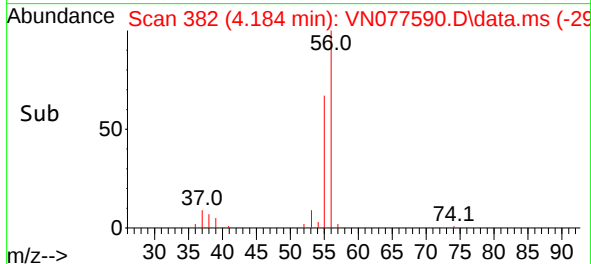
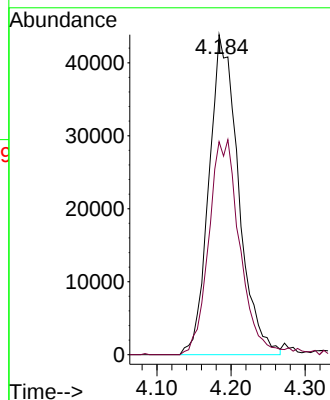
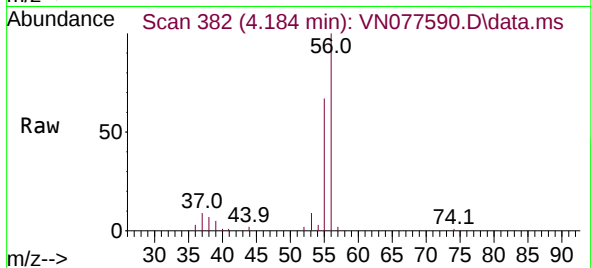
#13
Acrolein
Concen: 105.187 ug/l
RT: 4.184 min Scan# 382
Delta R.T. -0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 12146
Ion Ratio Lower Upper
56 100
55 70.3 55.8 83.6

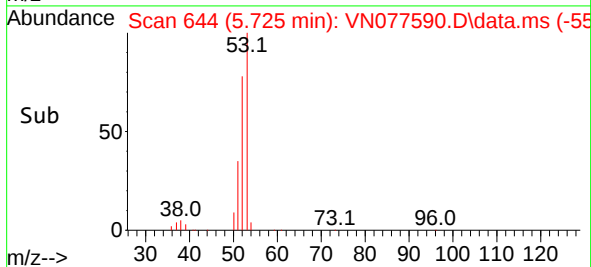
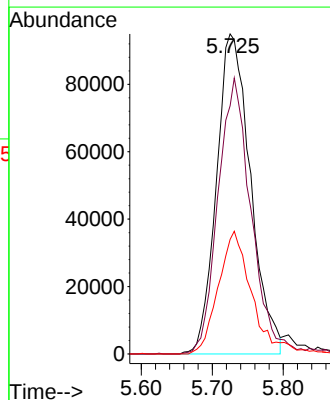
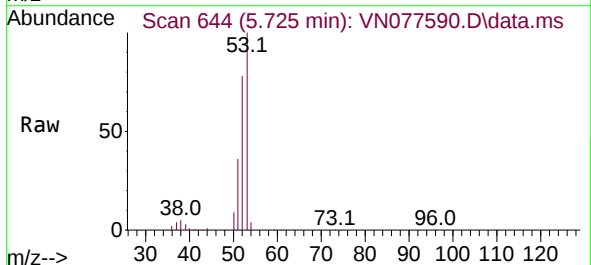
Manual Integrations
APPROVED

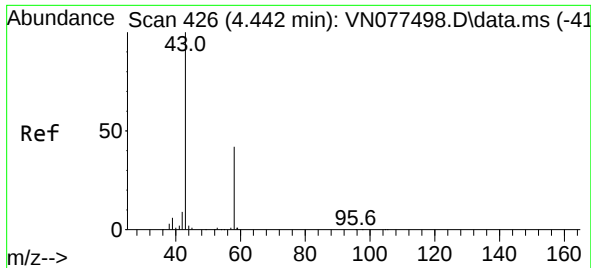
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#14
Acrylonitrile
Concen: 106.715 ug/l
RT: 5.725 min Scan# 644
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

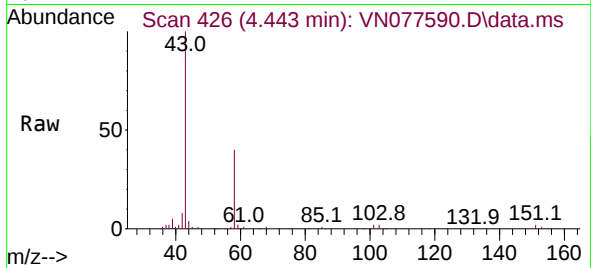
Tgt Ion: 53 Resp: 315312
Ion Ratio Lower Upper
53 100
52 82.3 41.9 125.6
51 34.5 18.0 54.0





#15
Acetone
Concen: 93.141 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.001 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

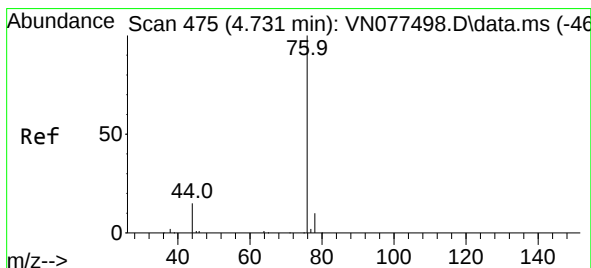
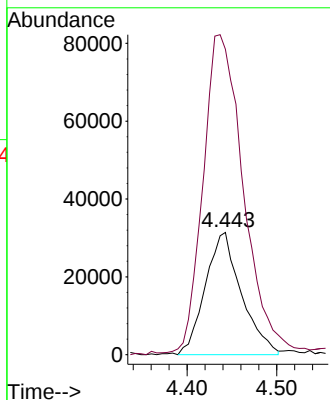
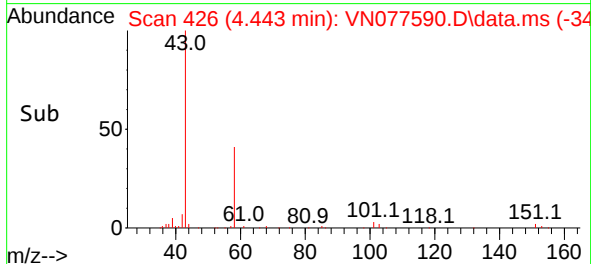
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



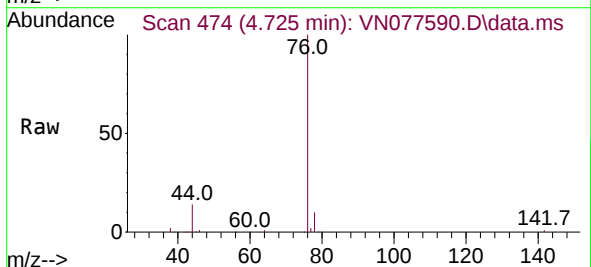
Tgt Ion: 58 Resp: 8786
Ion Ratio Lower Upper
58 100
43 245.1 197.2 295.8

Manual Integrations
APPROVED

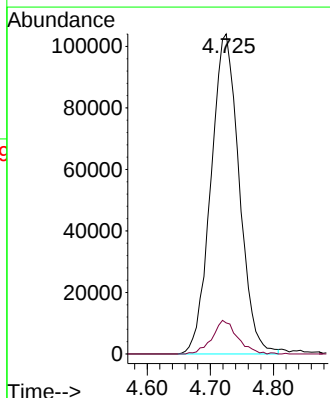
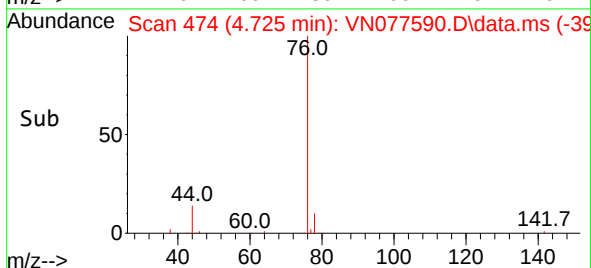
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

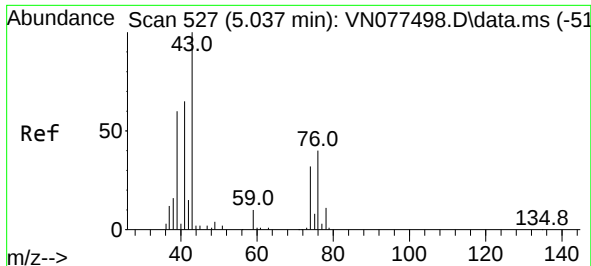


#16
Carbon Disulfide
Concen: 19.295 ug/l
RT: 4.725 min Scan# 474
Delta R.T. -0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



Tgt Ion: 76 Resp: 323110
Ion Ratio Lower Upper
76 100
78 9.7 7.8 11.8





#17
 Allyl chloride
 Concen: 21.998 ug/l
 RT: 5.031 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN077590.D
 Acq: 05 May 2023 13:42

Instrument :

MSVOA_N

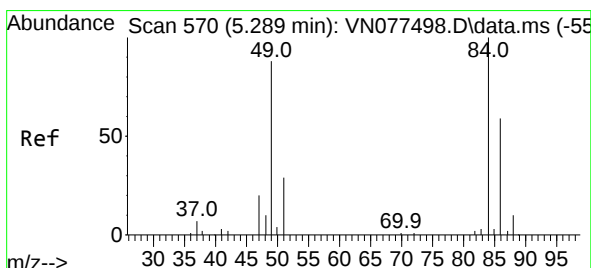
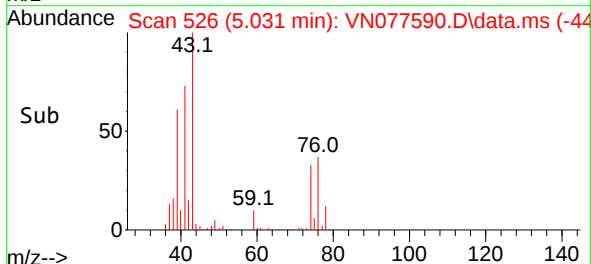
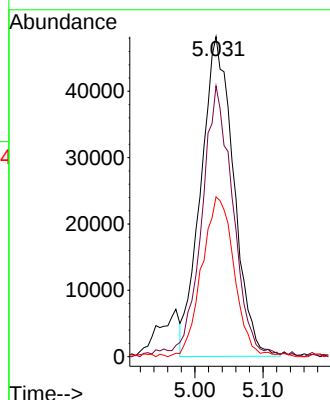
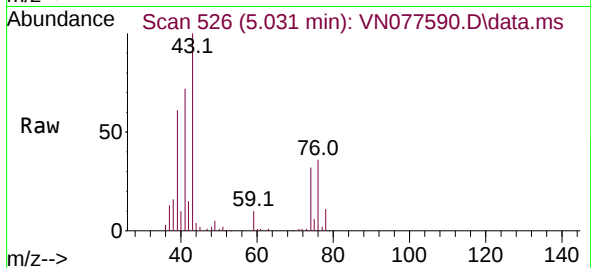
ClientSampleId :

VSTDCCC020

Tgt Ion: 41 Resp: 16107
 Ion Ratio Lower Upper
 41 100
 39 84.3 38.6 116.0
 76 49.4 26.1 78.3

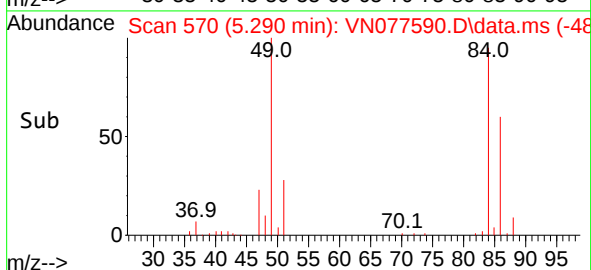
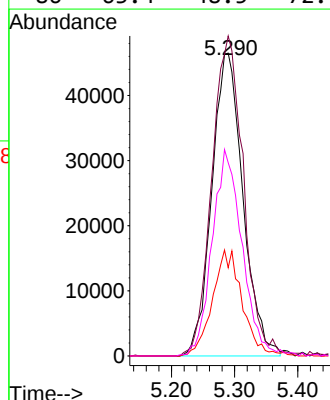
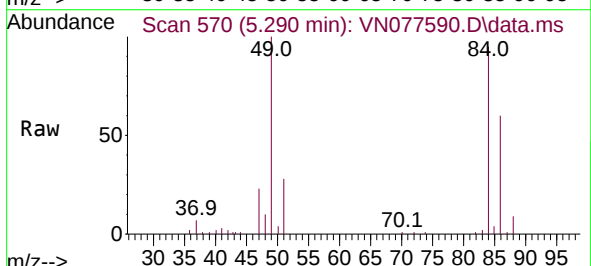
Manual Integrations
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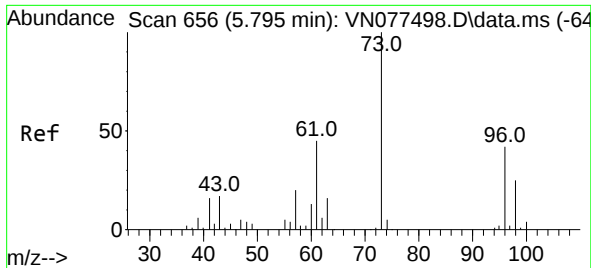
Reviewed By :John Carlone 05/08/2023
 Supervised By :Mahesh Dadoda 05/08/2023



#18
 Methylene Chloride
 Concen: 20.211 ug/l
 RT: 5.290 min Scan# 570
 Delta R.T. 0.001 min
 Lab File: VN077590.D
 Acq: 05 May 2023 13:42

Tgt Ion: 84 Resp: 159218
 Ion Ratio Lower Upper
 84 100
 49 105.6 74.6 112.0
 51 29.1 25.0 37.6
 86 63.4 48.5 72.7





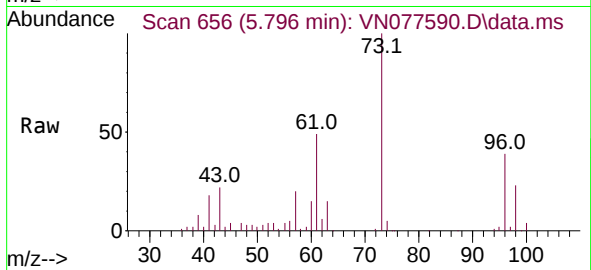
#19
trans-1,2-Dichloroethene
Concen: 19.380 ug/l
RT: 5.796 min Scan# 61
Delta R.T. 0.001 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



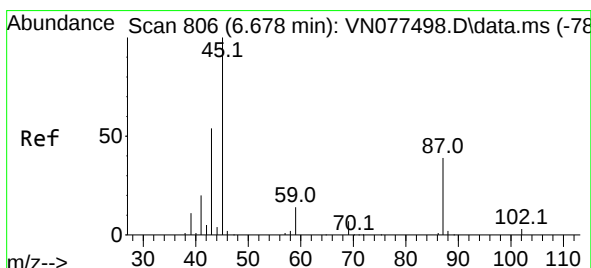
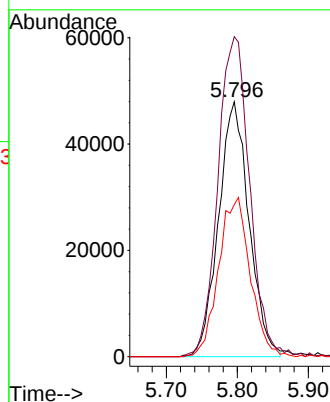
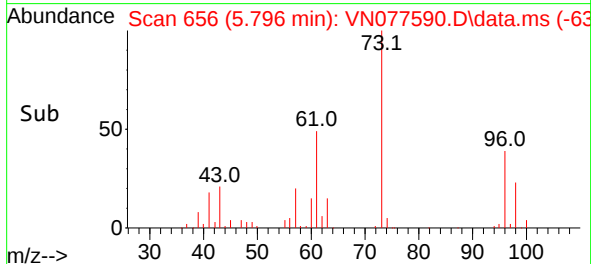
Tgt Ion: 96 Resp: 142995
Ion Ratio Lower Upper
96 100
61 125.6 89.7 134.5
98 59.7 47.0 70.4

Manual Integrations

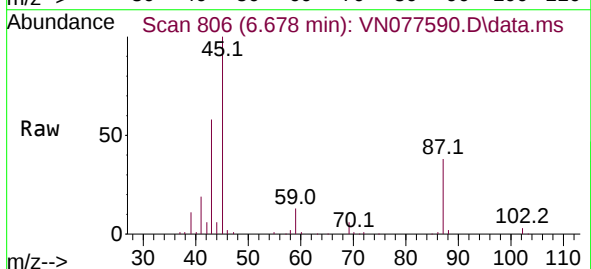
APPROVED

Reviewed By :John Carlone 05/08/2023

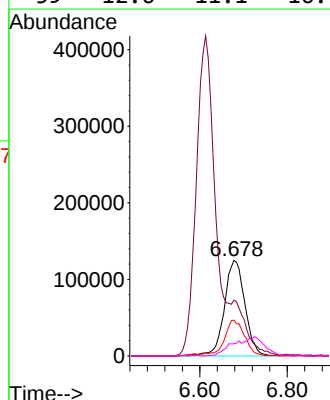
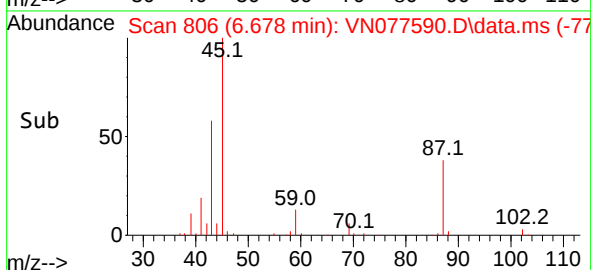
Supervised By :Mahesh Dadoda 05/08/2023

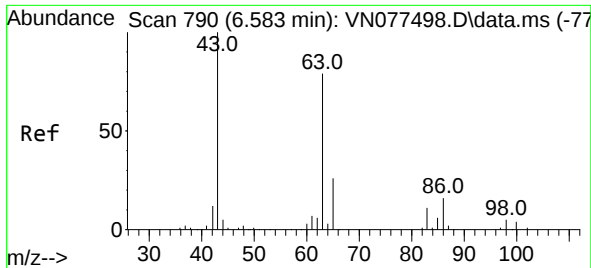


#20
Diisopropyl ether
Concen: 23.808 ug/l
RT: 6.678 min Scan# 806
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



Tgt Ion: 45 Resp: 405815
Ion Ratio Lower Upper
45 100
43 57.4 46.6 69.8
87 37.6 34.6 52.0
59 12.6 11.1 16.7





#21

1,1-Dichloroethane

Concen: 21.849 ug/l

RT: 6.578 min Scan# 71

Delta R.T. -0.005 min

Lab File: VN077590.D

Acq: 05 May 2023 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 272164

Ion Ratio Lower Upper

63 100

98 8.0 4.0 12.0

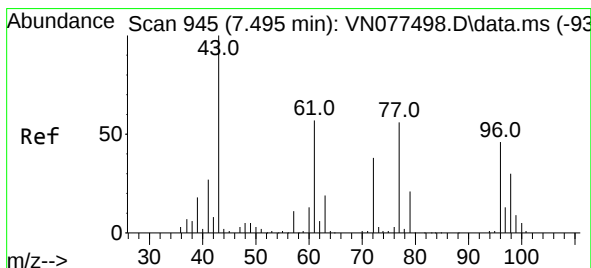
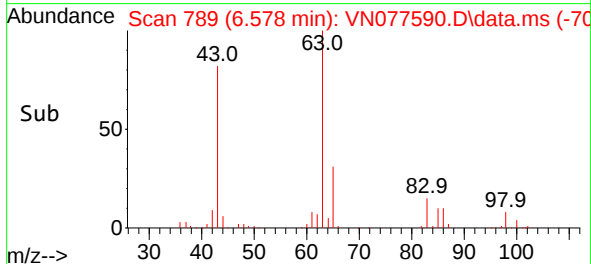
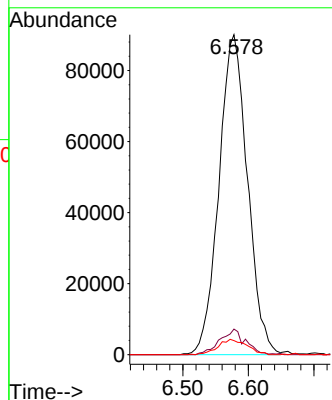
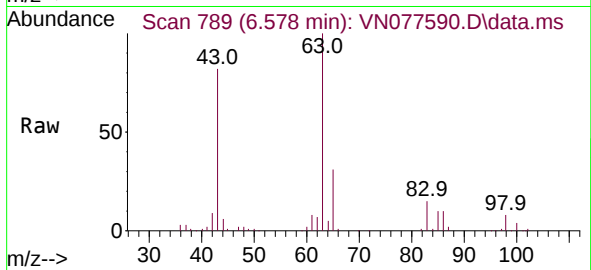
100 4.4 3.4 10.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#22

cis-1,2-Dichloroethene

Concen: 20.251 ug/l

RT: 7.490 min Scan# 944

Delta R.T. -0.005 min

Lab File: VN077590.D

Acq: 05 May 2023 13:42

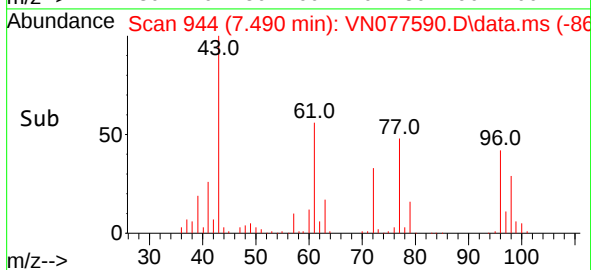
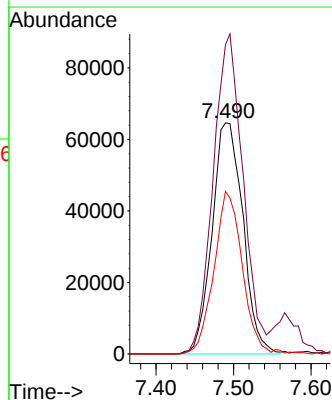
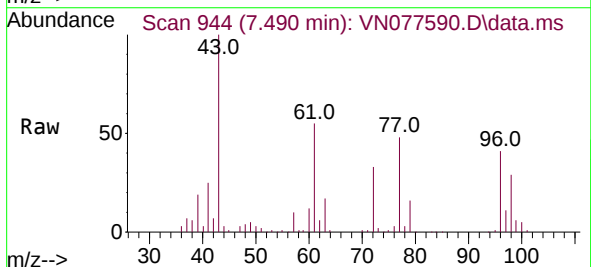
Tgt Ion: 96 Resp: 178964

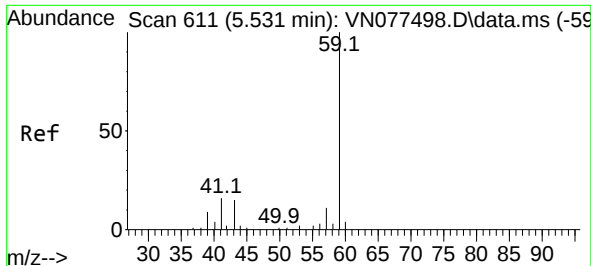
Ion Ratio Lower Upper

96 100

61 134.1 100.2 150.2

98 64.1 51.6 77.4





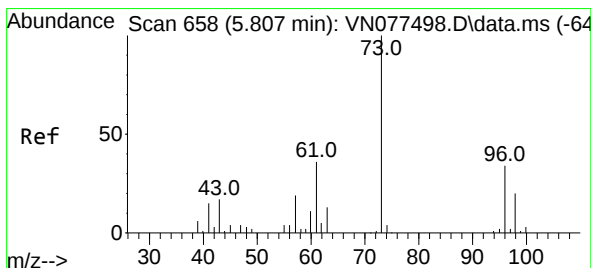
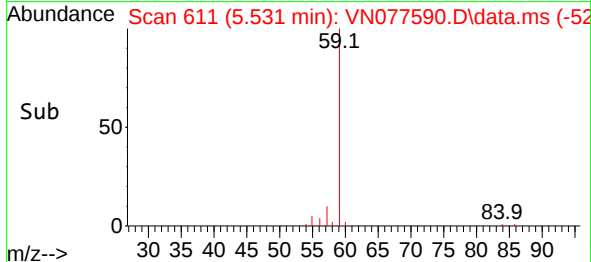
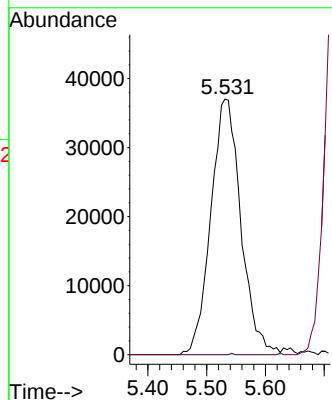
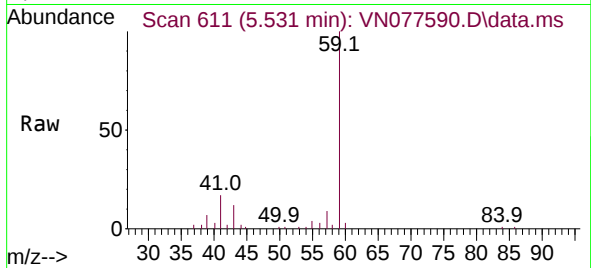
#23
tert-Butyl Alcohol
Concen: 103.153 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 131490
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

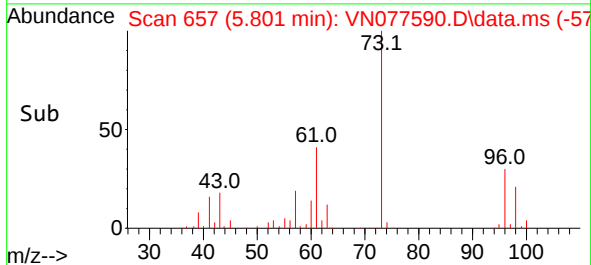
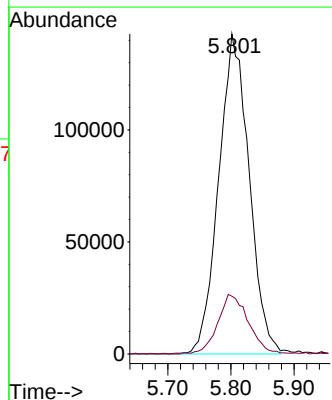
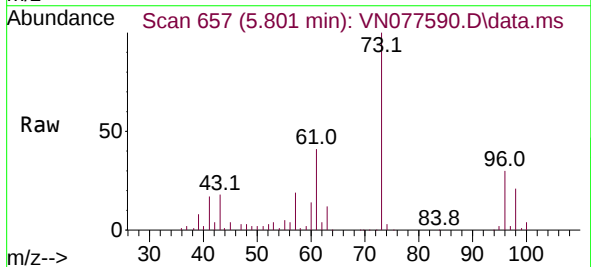
Manual Integrations
APPROVED

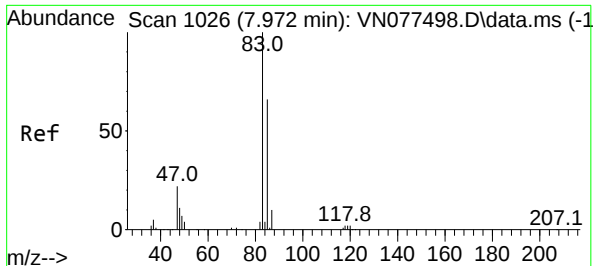
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#24
Methyl tert-Butyl Ether
Concen: 20.626 ug/l
RT: 5.801 min Scan# 657
Delta R.T. -0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Tgt Ion: 73 Resp: 477747
Ion Ratio Lower Upper
73 100
43 18.1 13.5 20.3





#25

Chloroform

Concen: 21.173 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077590.D

Acq: 05 May 2023 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 303139

Ion Ratio Lower Upper

83 100

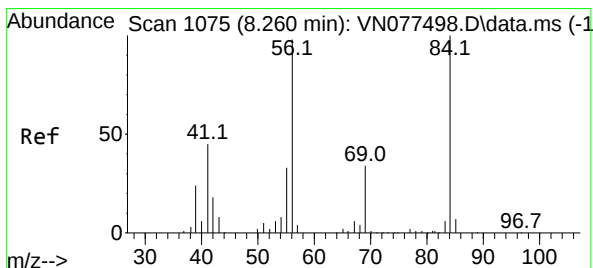
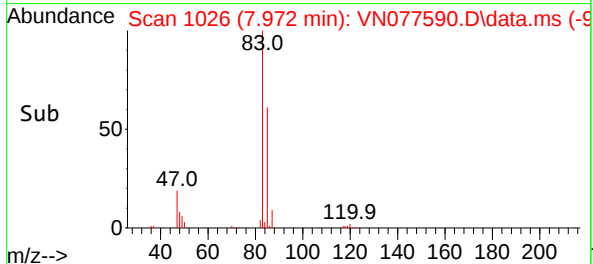
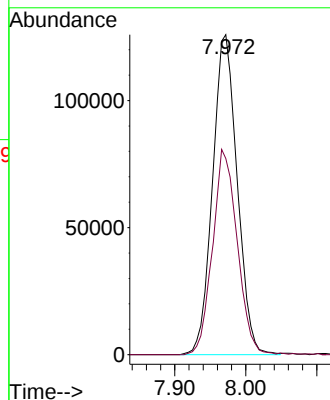
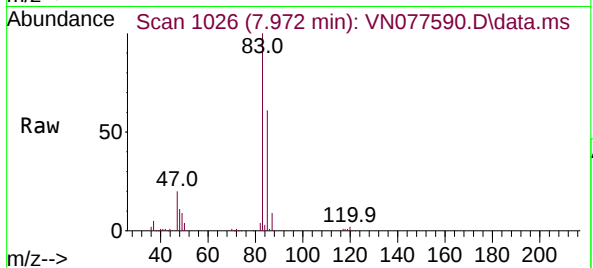
85 61.3 53.0 79.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#26

Cyclohexane

Concen: 21.249 ug/l

RT: 8.260 min Scan# 1075

Delta R.T. 0.000 min

Lab File: VN077590.D

Acq: 05 May 2023 13:42

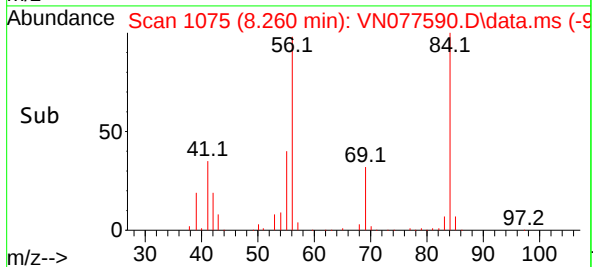
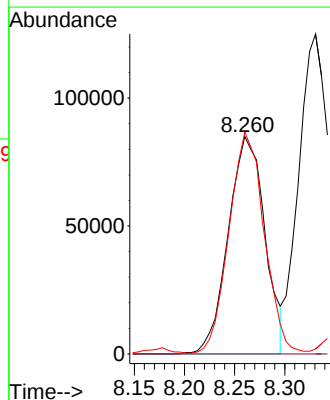
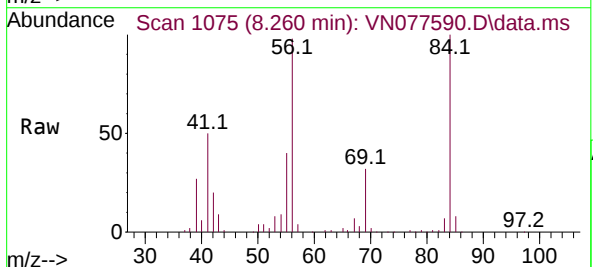
Tgt Ion: 56 Resp: 215925

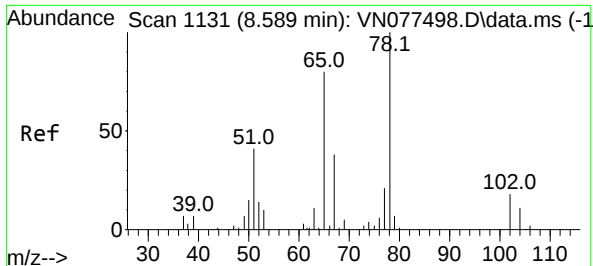
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 98.6 85.4 128.2





#27
1,2-Dichloroethane-d4
Concen: 32.397 ug/l
RT: 8.584 min Scan# 1131
Delta R.T. -0.005 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Instrument :

MSVOA_N

ClientSampleId :

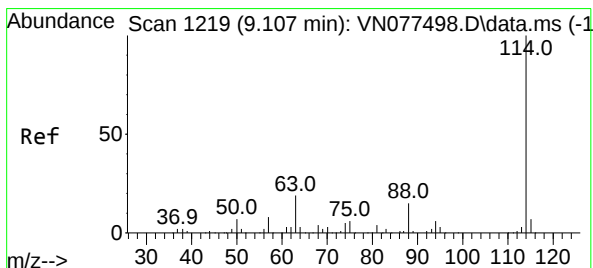
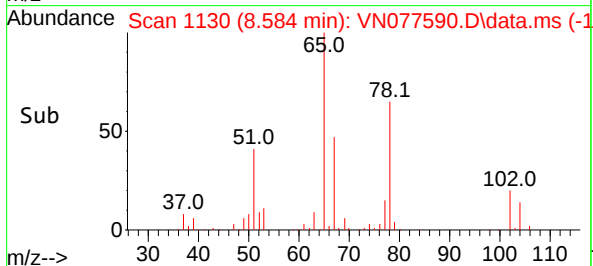
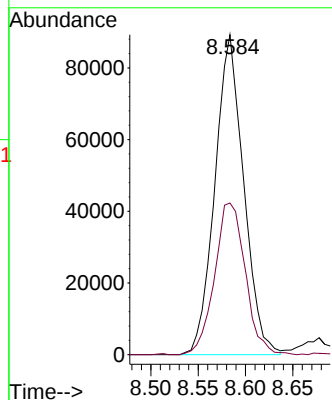
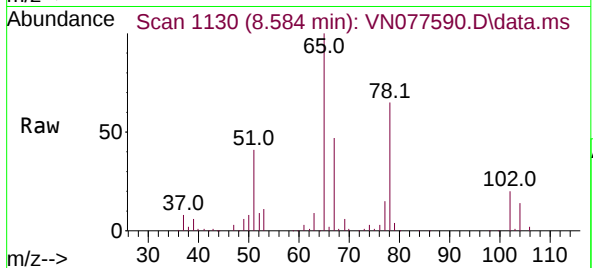
VSTDCCC020

Tgt Ion: 65 Resp: 188570
Ion Ratio Lower Upper
65 100
67 50.5 40.2 60.2

Manual Integrations

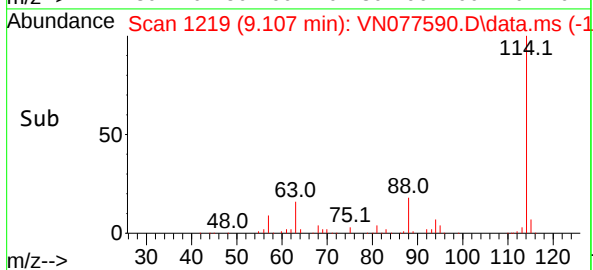
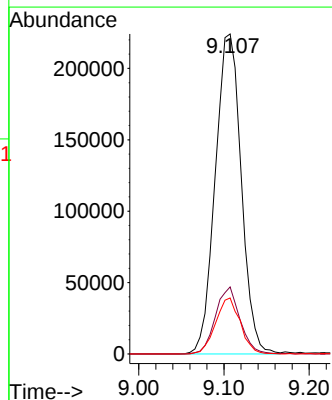
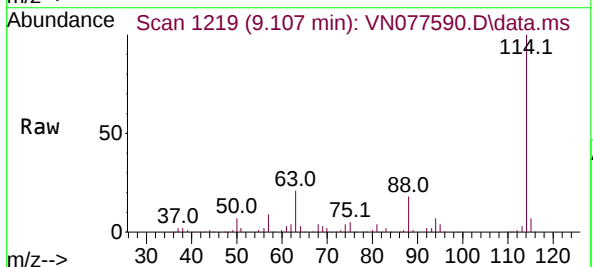
APPROVED

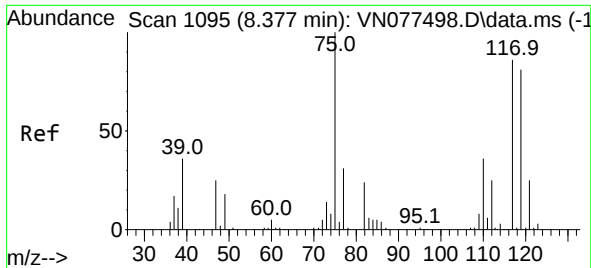
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Tgt Ion:114 Resp: 475072
Ion Ratio Lower Upper
114 100
63 19.7 14.1 21.1
88 16.6 12.3 18.5





#29
1,1-Dichloropropene
Concen: 21.404 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. -0.005 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

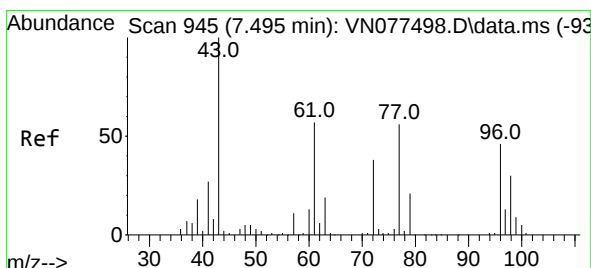
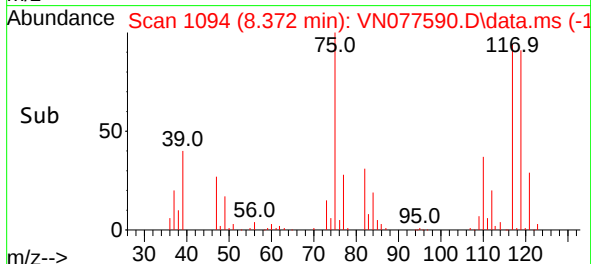
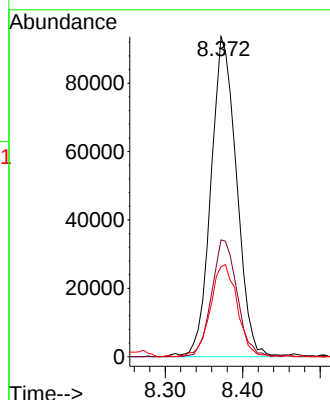
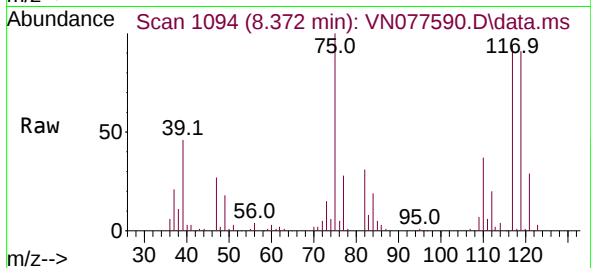
Tgt Ion: 75 Resp: 21434
Ion Ratio Lower Upper
75 100
110 36.4 0.0 74.0
77 30.2 0.0 62.8

Manual Integrations

APPROVED

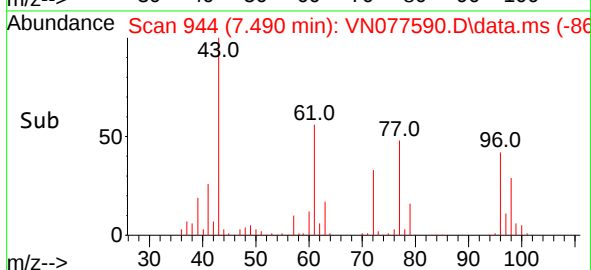
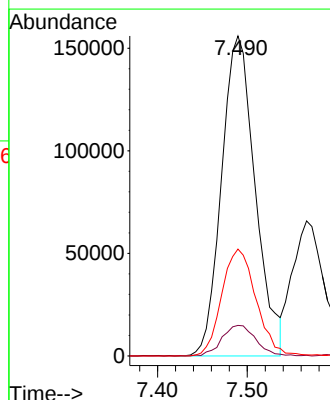
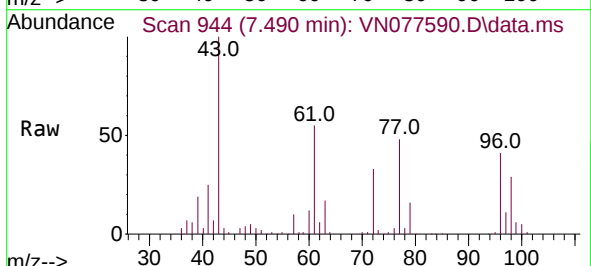
Reviewed By :John Carlone 05/08/2023

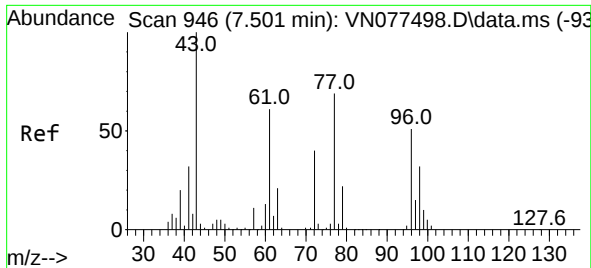
Supervised By :Mahesh Dadoda 05/08/2023



#30
2-Butanone
Concen: 110.818 ug/l
RT: 7.490 min Scan# 944
Delta R.T. -0.005 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Tgt Ion: 43 Resp: 406861
Ion Ratio Lower Upper
43 100
57 9.6 8.0 12.0
72 33.8 30.4 45.6





#31

2,2-Dichloropropane

Concen: 19.371 ug/l

RT: 7.495 min Scan# 946

Delta R.T. -0.006 min

Lab File: VN077590.D

Acq: 05 May 2023 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 77 Resp: 226968

Ion Ratio Lower Upper

77 100

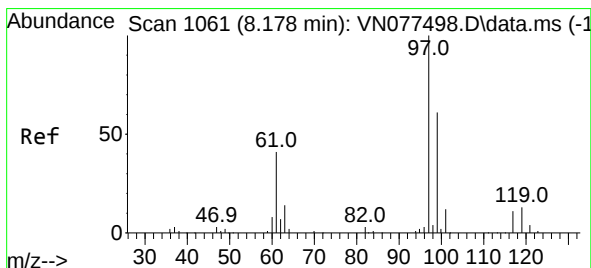
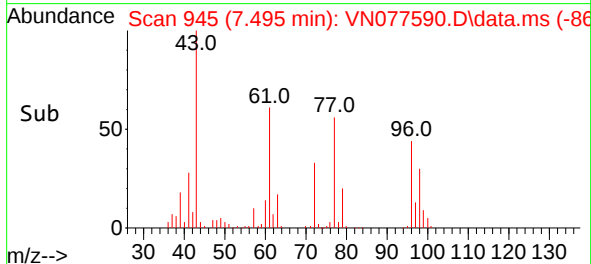
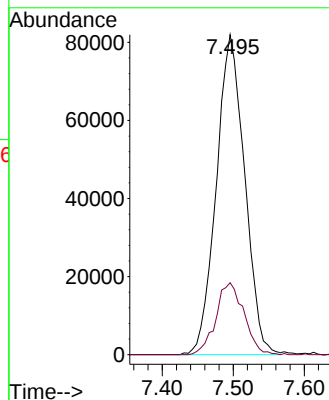
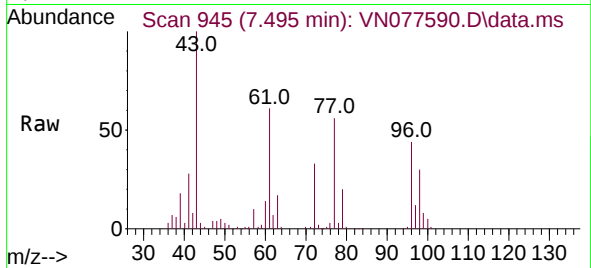
97 22.3 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#32

1,1,1-Trichloroethane

Concen: 21.048 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.006 min

Lab File: VN077590.D

Acq: 05 May 2023 13:42

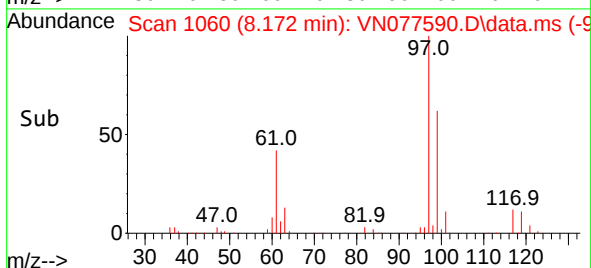
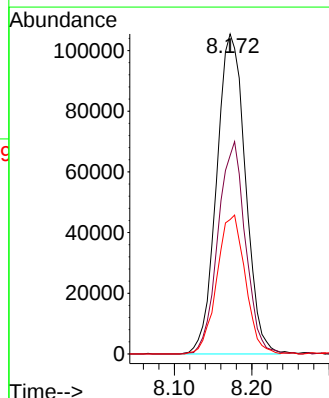
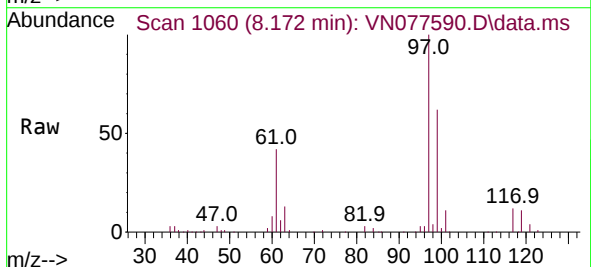
Tgt Ion: 97 Resp: 272053

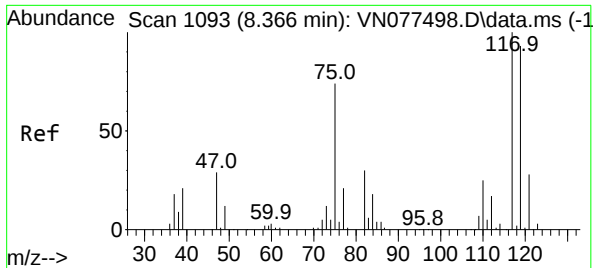
Ion Ratio Lower Upper

97 100

99 62.6 50.1 75.1

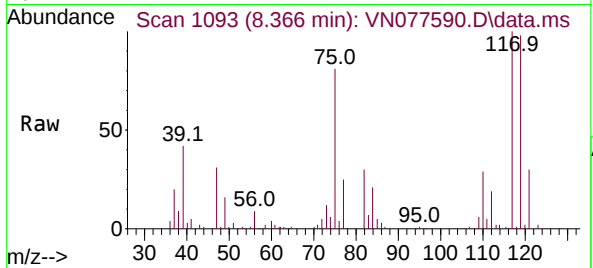
61 42.8 31.1 46.7





#33
Carbon Tetrachloride
Concen: 20.083 ug/l
RT: 8.366 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

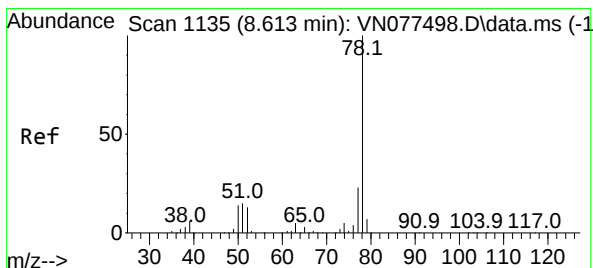
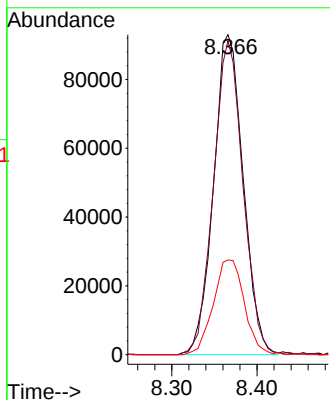
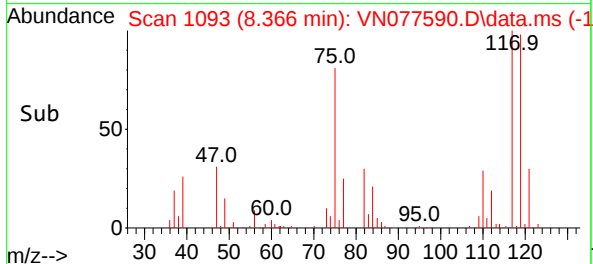
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 225304
Ion Ratio Lower Upper
117 100
119 98.1 72.6 109.0
121 29.6 24.3 36.5

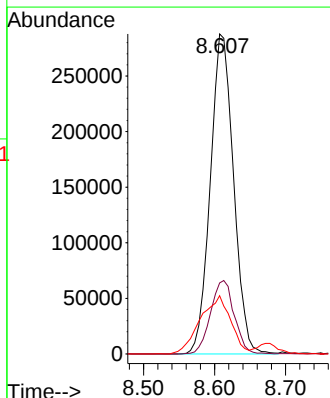
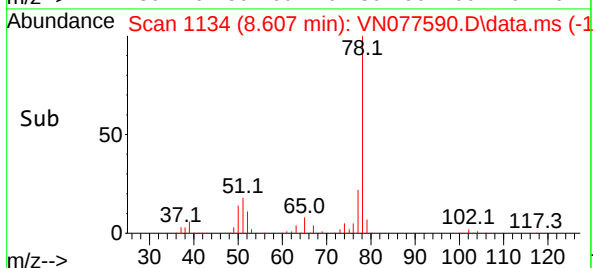
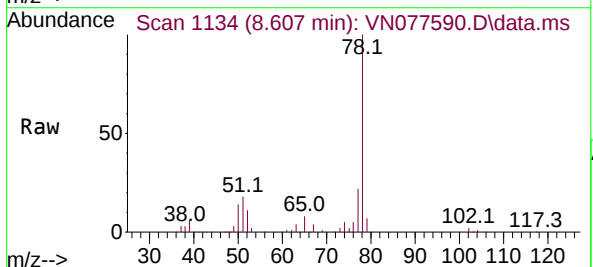
Manual Integrations
APPROVED

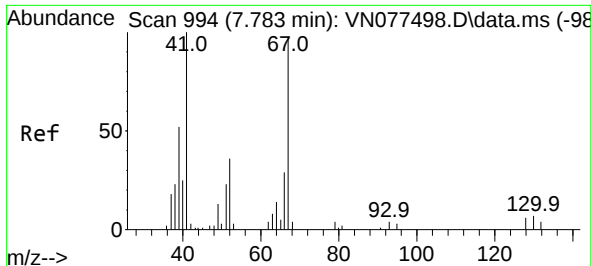
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#34
Benzene
Concen: 21.239 ug/l
RT: 8.607 min Scan# 1134
Delta R.T. -0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

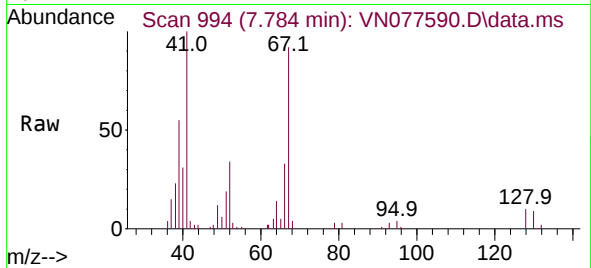
Tgt Ion: 78 Resp: 654082
Ion Ratio Lower Upper
78 100
77 22.2 17.1 25.7
51 17.4 11.3 16.9#





#35
Methacrylonitrile
Concen: 25.000 ug/l
RT: 7.784 min Scan# 994
Delta R.T. 0.001 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

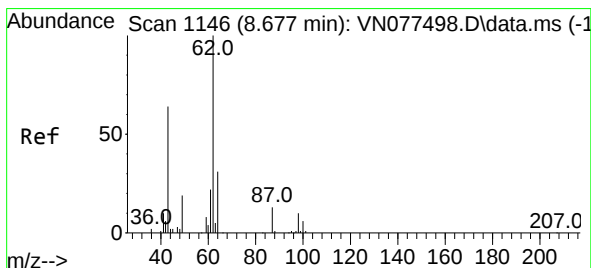
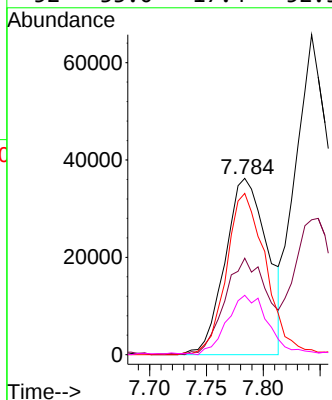
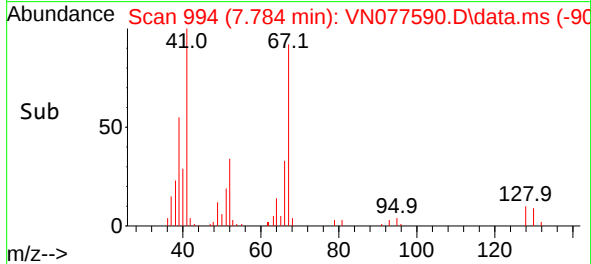
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



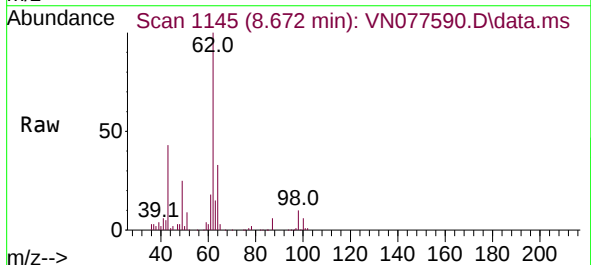
Tgt Ion:	41	Resp:	93714
Ion Ratio	100	Lower	Upper
39	54.3	25.9	77.8
67	91.5	48.1	144.4
52	33.0	17.4	52.3

Manual Integrations
APPROVED

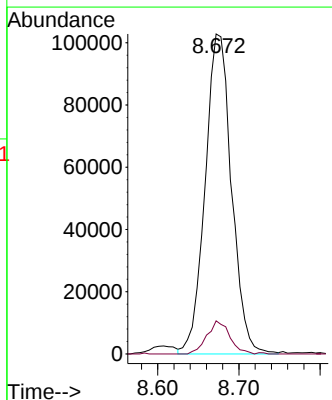
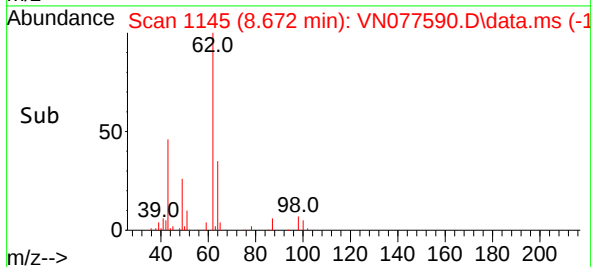
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

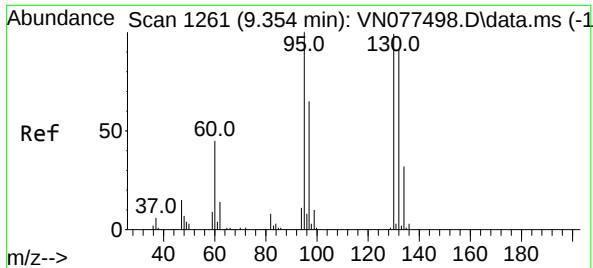


#36
1,2-Dichloroethane
Concen: 22.129 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.005 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



Tgt Ion:	62	Resp:	232741
Ion Ratio	100	Lower	Upper
98	8.9	8.0	12.0





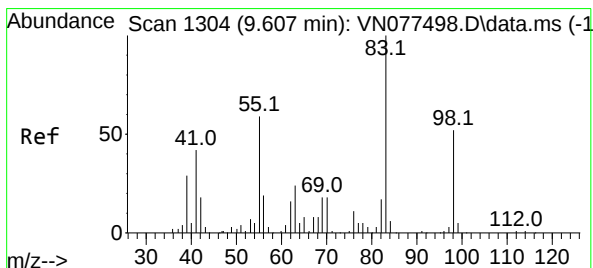
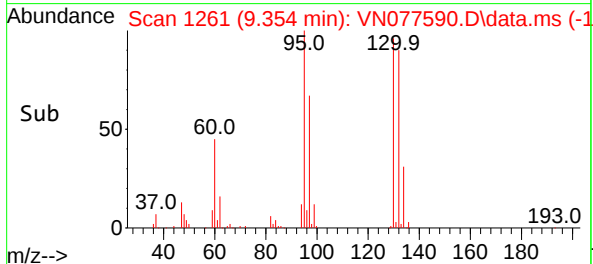
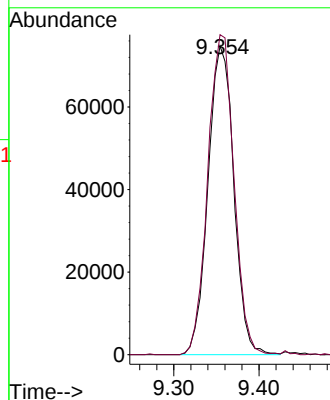
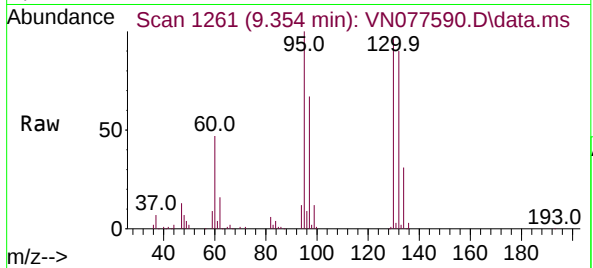
#37
Trichloroethene
Concen: 20.218 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:130 Resp: 15737
Ion Ratio Lower Upper
130 100
95 103.6 87.1 130.7

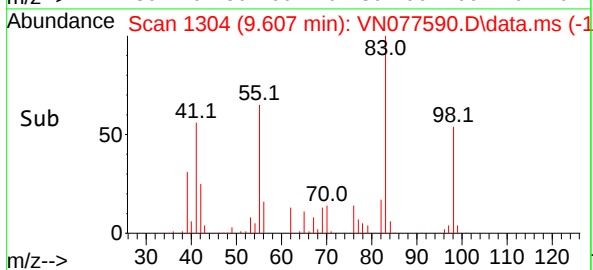
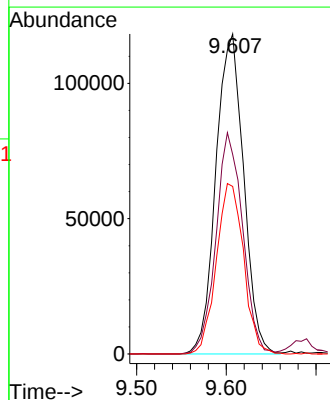
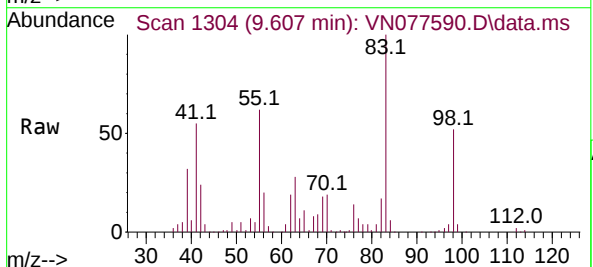
Manual Integrations
APPROVED

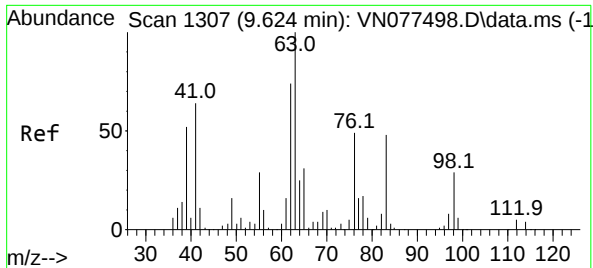
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#38
Methylcyclohexane
Concen: 19.276 ug/l
RT: 9.607 min Scan# 1304
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Tgt Ion: 83 Resp: 253606
Ion Ratio Lower Upper
83 100
55 66.6 29.6 88.9
98 52.4 25.1 75.3





#39

1,2-Dichloropropane

Concen: 21.618 ug/l

RT: 9.625 min Scan# 1307

Delta R.T. 0.001 min

Lab File: VN077590.D

Acq: 05 May 2023 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 154190

Ion Ratio Lower Upper

63 100

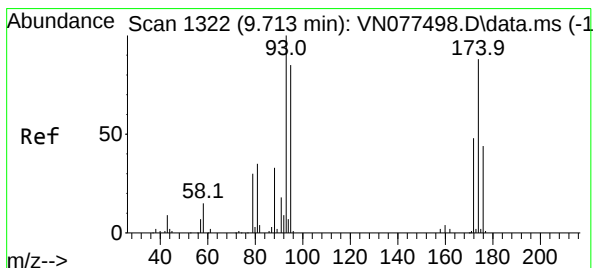
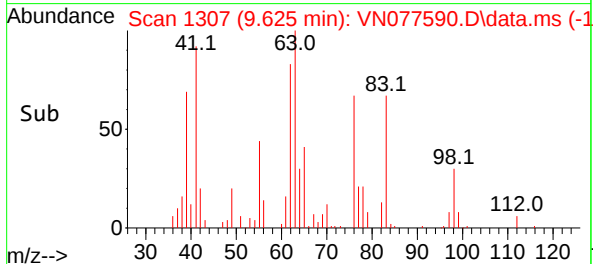
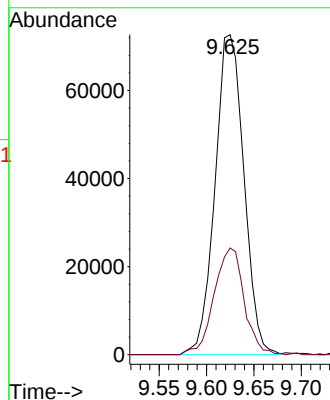
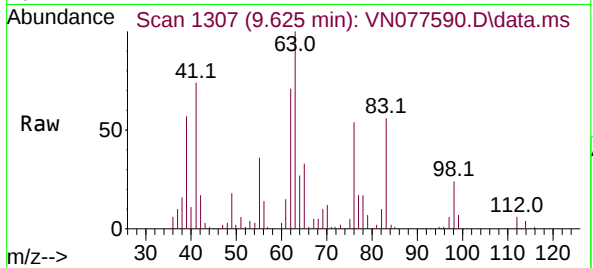
65 33.3 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#40

Dibromomethane

Concen: 20.827 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077590.D

Acq: 05 May 2023 13:42

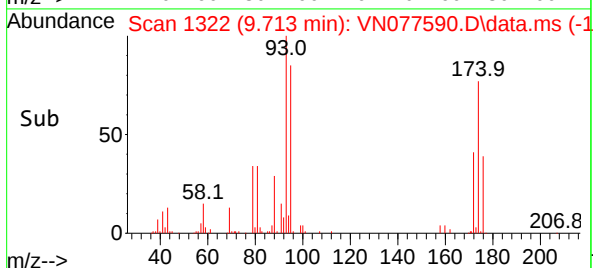
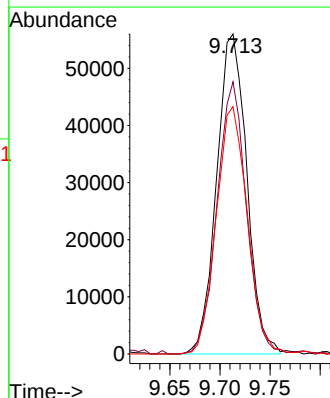
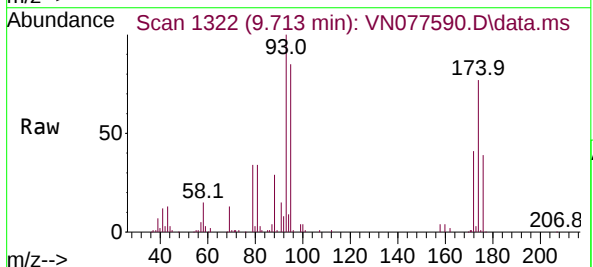
Tgt Ion: 93 Resp: 117155

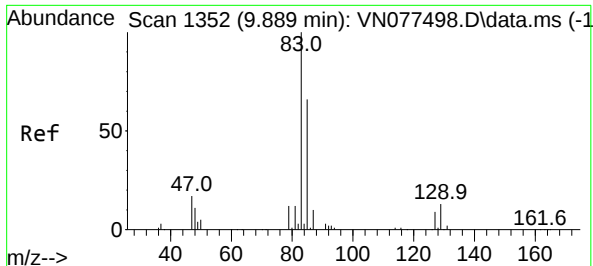
Ion Ratio Lower Upper

93 100

95 82.5 0.0 171.0

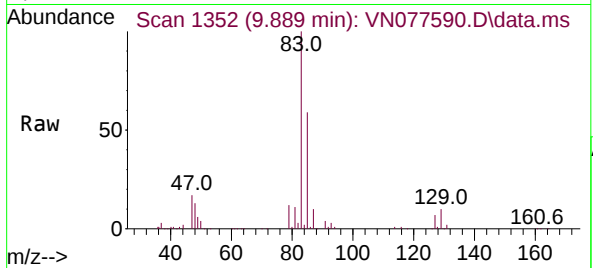
174 79.5 0.0 164.2





#41
Bromodichloromethane
Concen: 21.360 ug/l
RT: 9.889 min Scan# 1352
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

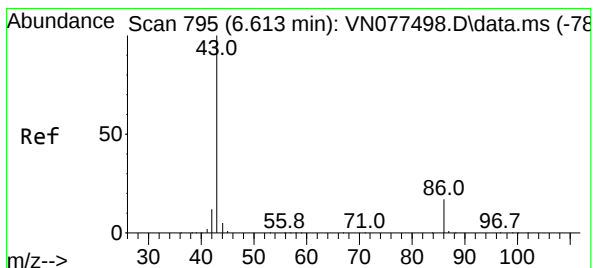
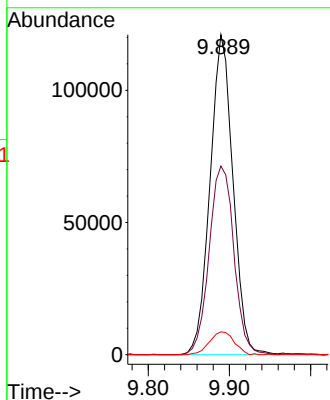
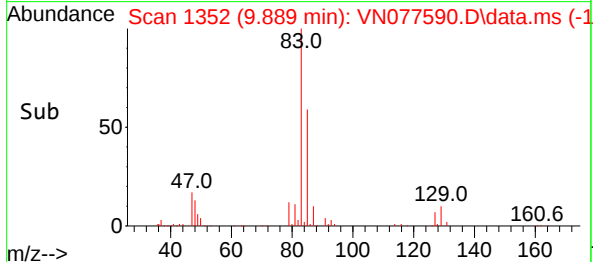
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



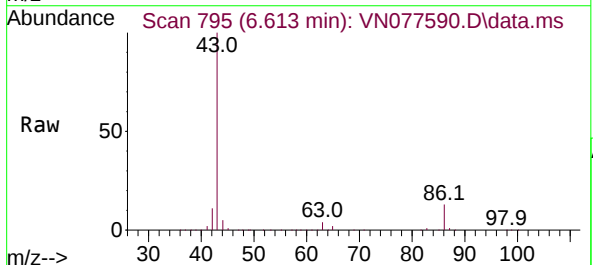
Tgt Ion: 83 Resp: 237308
Ion Ratio Lower Upper
83 100
85 59.0 49.2 73.8
127 7.1 6.1 9.1

Manual Integrations
APPROVED

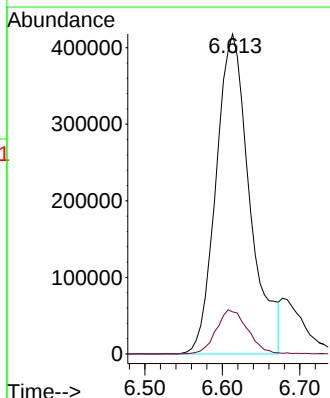
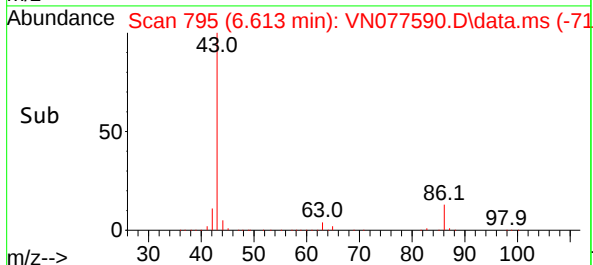
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

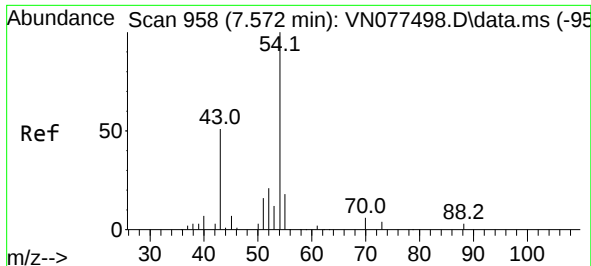


#42
Vinyl Acetate
Concen: 109.427 ug/l
RT: 6.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



Tgt Ion: 43 Resp: 1265287
Ion Ratio Lower Upper
43 100
86 12.8 12.6 18.8





#43

Ethyl Acetate

Concen: 22.867 ug/l m

RT: 7.566 min Scan# 9

Delta R.T. -0.006 min

Lab File: VN077590.D

Acq: 05 May 2023 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 162500

Ion Ratio Lower Upper

43 100

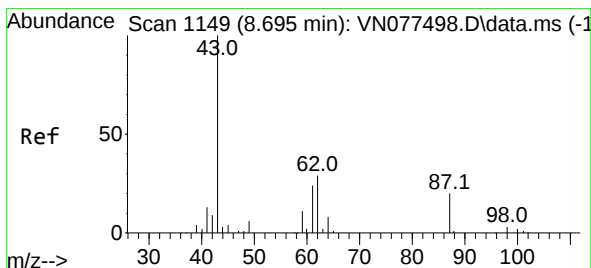
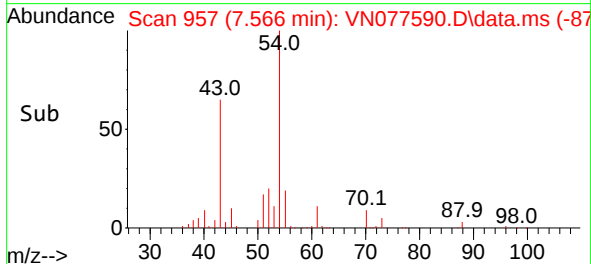
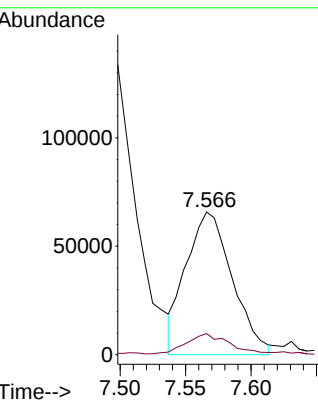
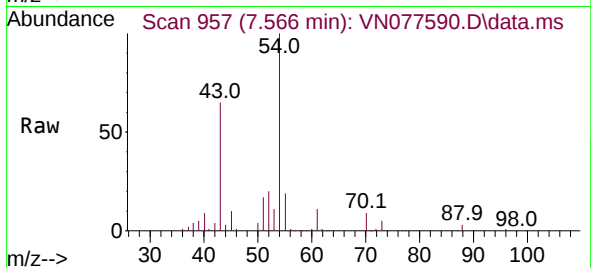
45 0.0 4.8 7.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#44

Isopropyl Acetate

Concen: 22.912 ug/l

RT: 8.690 min Scan# 1148

Delta R.T. -0.005 min

Lab File: VN077590.D

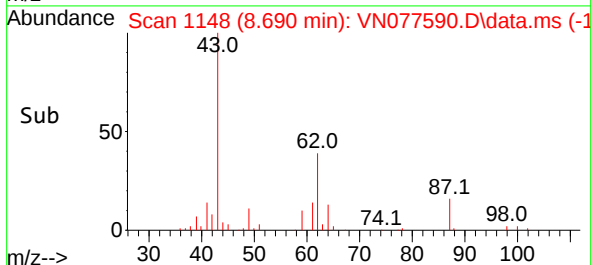
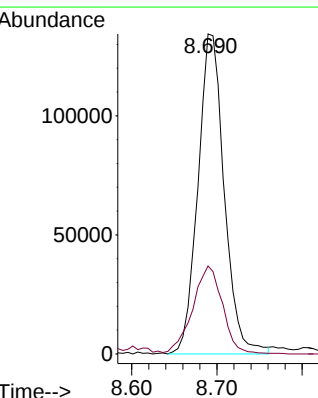
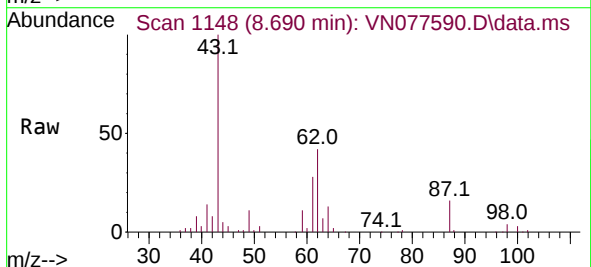
Acq: 05 May 2023 13:42

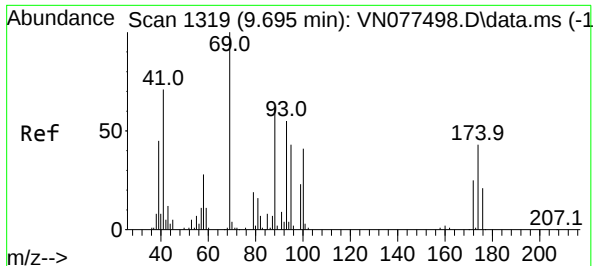
Tgt Ion: 43 Resp: 288427

Ion Ratio Lower Upper

43 100

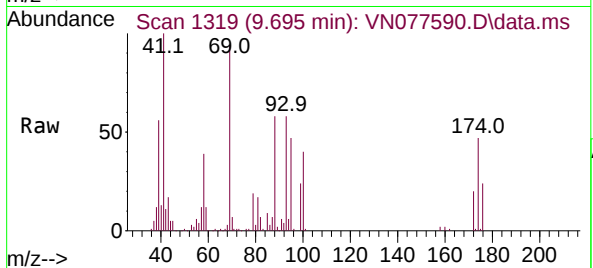
61 30.7 27.2 40.8





#45
1,4-Dioxane
Concen: 405.432 ug/l
RT: 9.695 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

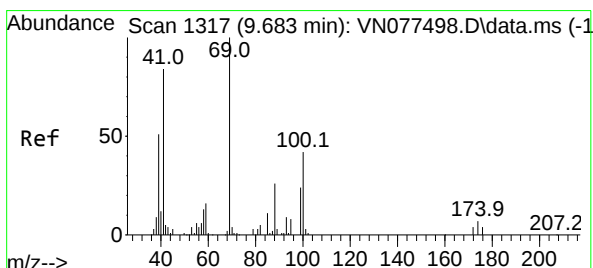
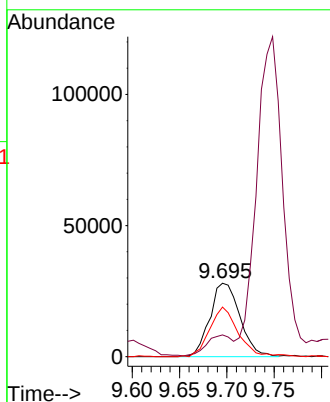
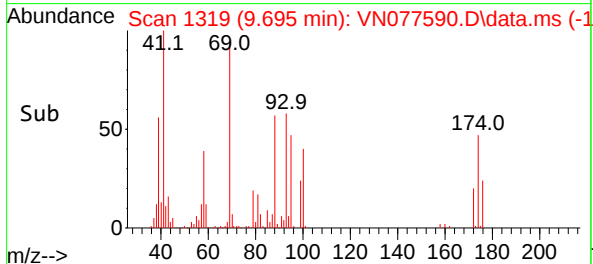
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



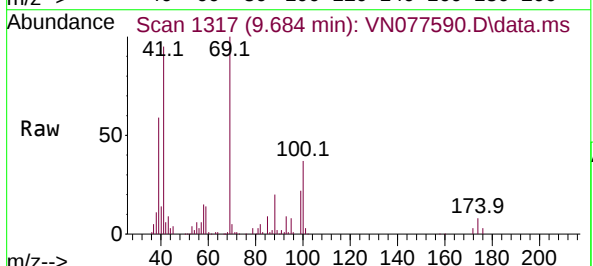
Tgt Ion: 88 Resp: 6189
Ion Ratio Lower Upper
88 100
43 23.9 16.6 24.8
58 62.6 47.3 70.9

Manual Integrations
APPROVED

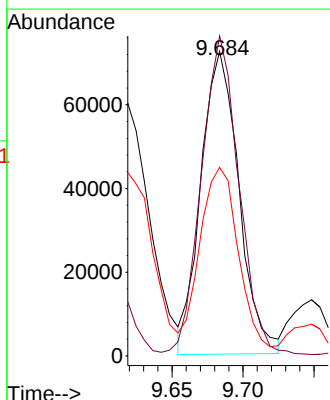
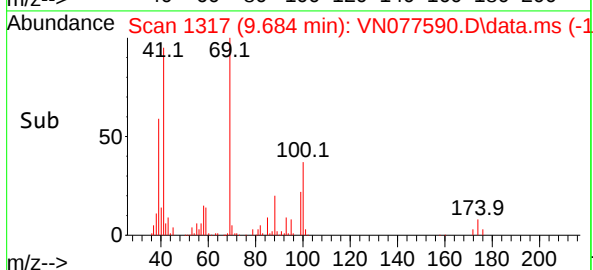
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

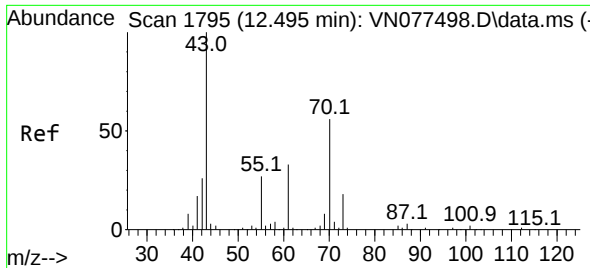


#46
Methyl methacrylate
Concen: 23.488 ug/l
RT: 9.684 min Scan# 1317
Delta R.T. 0.001 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



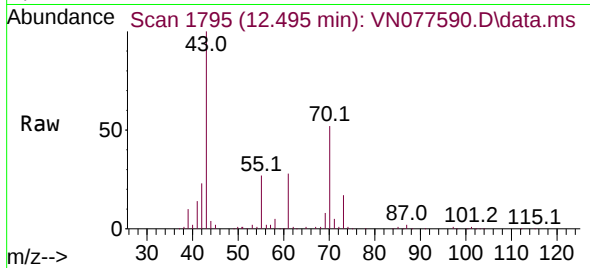
Tgt Ion: 41 Resp: 134565
Ion Ratio Lower Upper
41 100
69 109.2 59.2 177.6
39 62.0 33.4 100.1





#47
n-amyl Acetate
Concen: 23.172 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

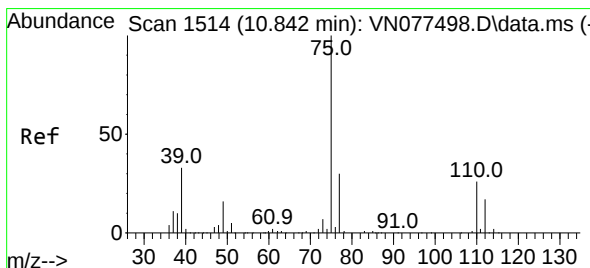
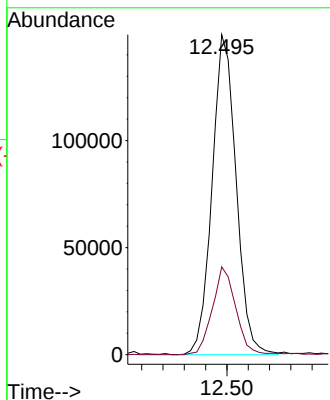
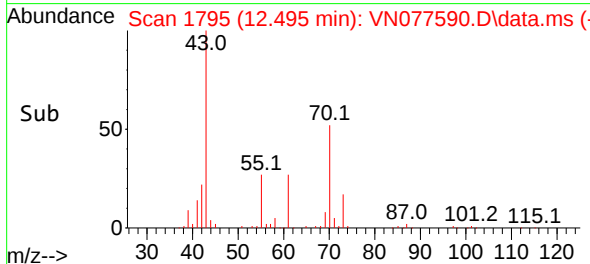
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



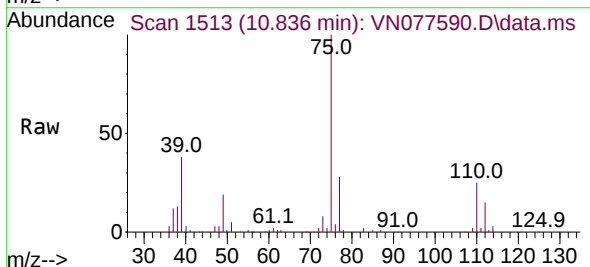
Tgt Ion: 43 Resp: 233828
Ion Ratio Lower Upper
43 100
55 26.5 22.2 33.2

Manual Integrations
APPROVED

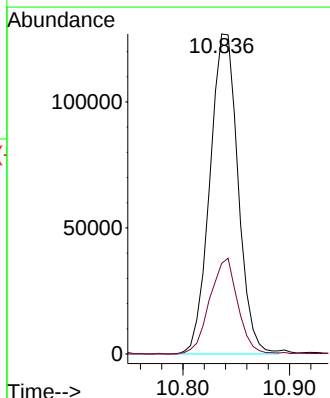
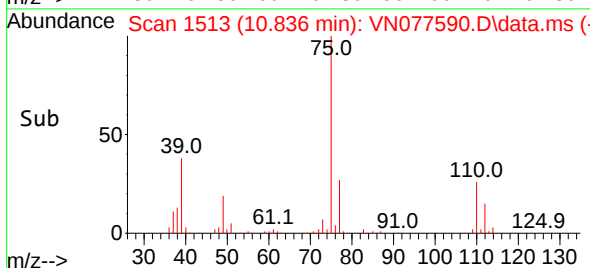
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

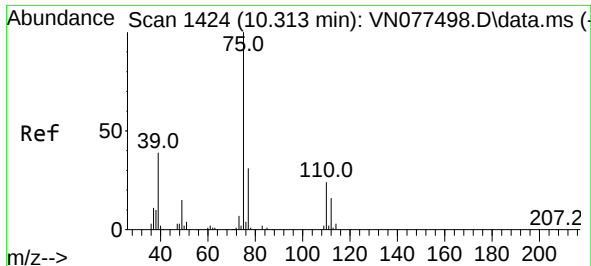


#48
t-1,3-Dichloropropene
Concen: 20.647 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



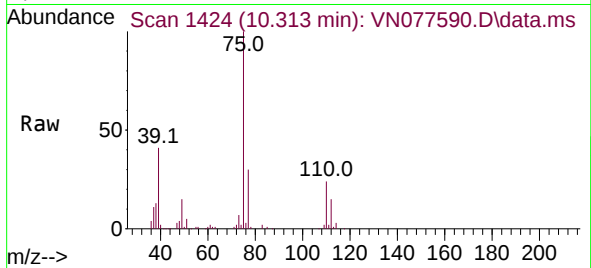
Tgt Ion: 75 Resp: 233538
Ion Ratio Lower Upper
75 100
77 28.1 23.9 35.9





#49
 cis-1,3-Dichloropropene
 Concen: 21.026 ug/l
 RT: 10.313 min Scan# 1424
 Delta R.T. -0.000 min
 Lab File: VN077590.D
 Acq: 05 May 2023 13:42

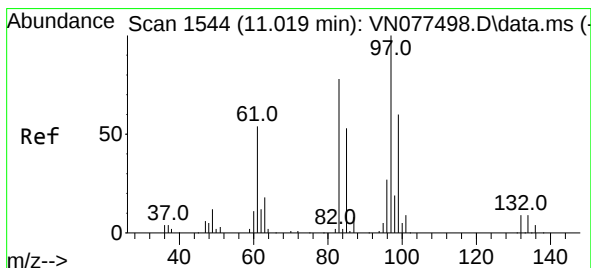
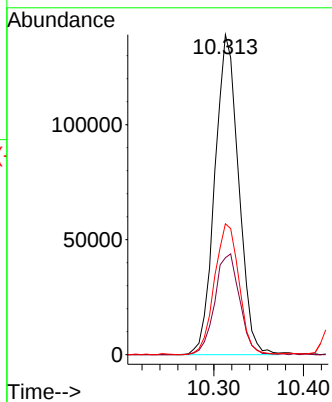
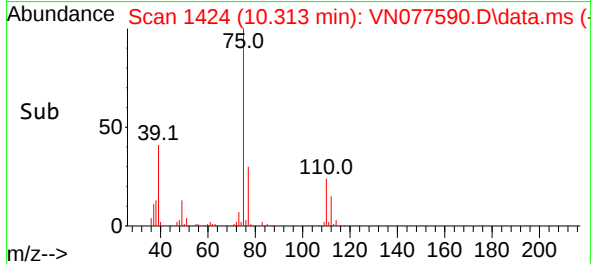
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 75 Resp: 25672
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.8 38.8
 39 40.9 28.5 42.7

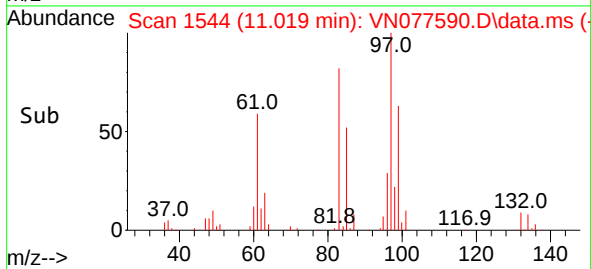
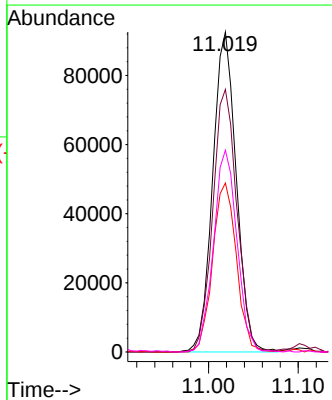
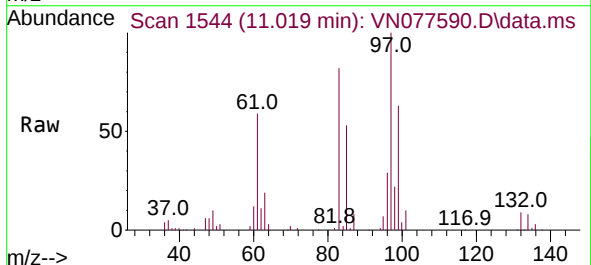
Manual Integrations
 APPROVED

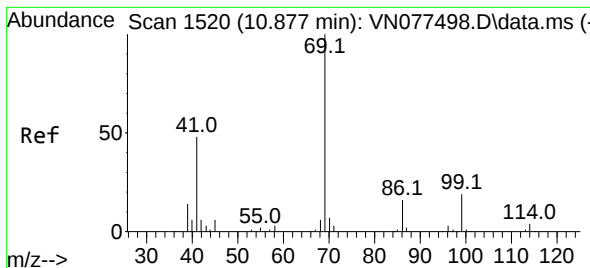
Reviewed By :John Carlone 05/08/2023
 Supervised By :Mahesh Dadoda 05/08/2023



#50
 1,1,2-Trichloroethane
 Concen: 21.094 ug/l
 RT: 11.019 min Scan# 1544
 Delta R.T. -0.000 min
 Lab File: VN077590.D
 Acq: 05 May 2023 13:42

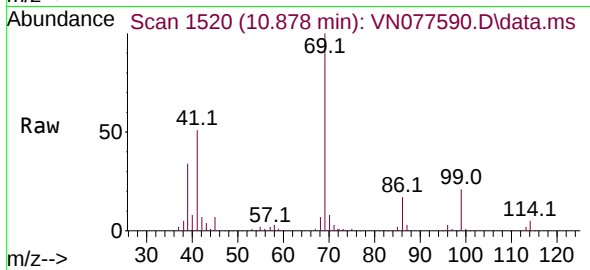
Tgt Ion: 97 Resp: 168437
 Ion Ratio Lower Upper
 97 100
 83 82.0 67.0 100.6
 85 52.8 41.6 62.4
 99 63.0 47.9 71.9





#51
Ethyl methacrylate
Concen: 21.964 ug/l
RT: 10.878 min Scan# 1520
Delta R.T. 0.001 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

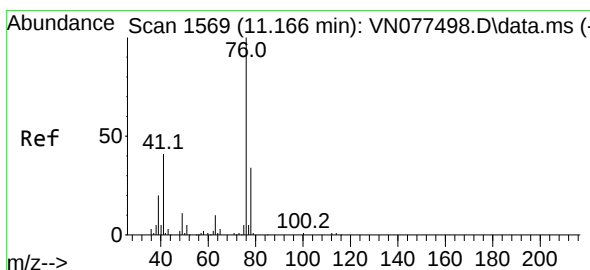
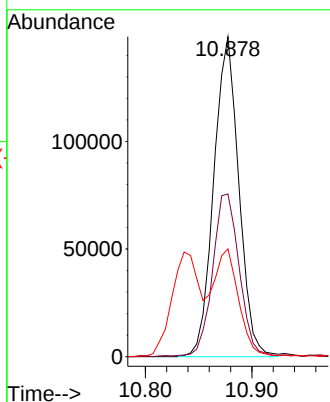
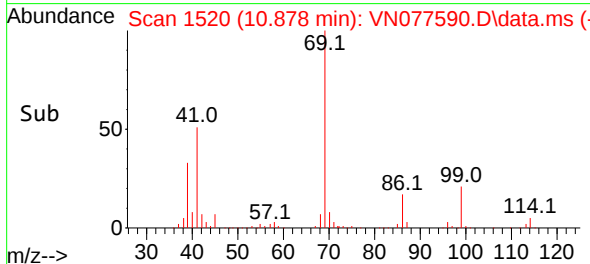
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



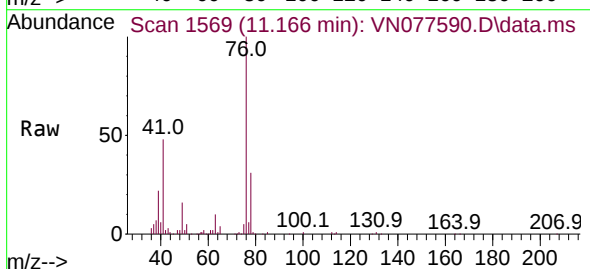
Tgt Ion: 69 Resp: 24281
Ion Ratio Lower Upper
69 100
41 50.5 22.5 67.5
39 33.3 16.2 48.5

Manual Integrations
APPROVED

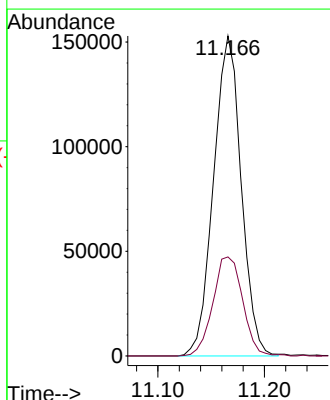
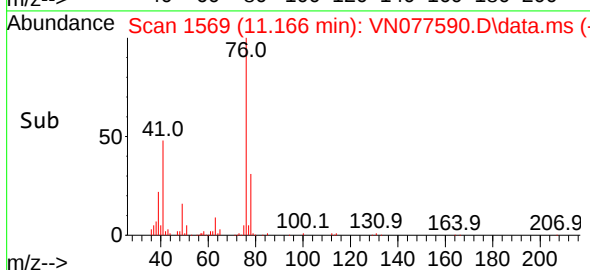
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

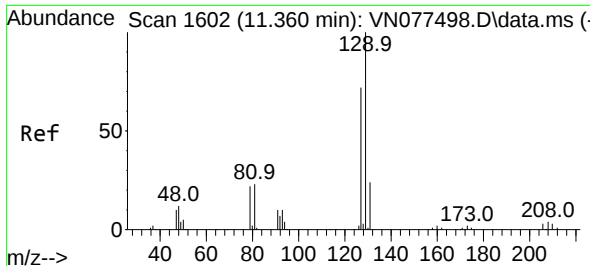


#52
1,3-Dichloropropane
Concen: 21.278 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



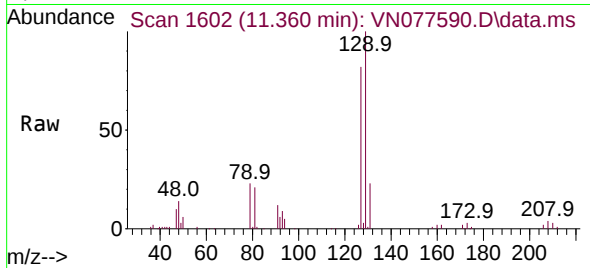
Tgt Ion: 76 Resp: 275715
Ion Ratio Lower Upper
76 100
78 33.2 0.0 64.4





#53
Dibromochloromethane
Concen: 20.357 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

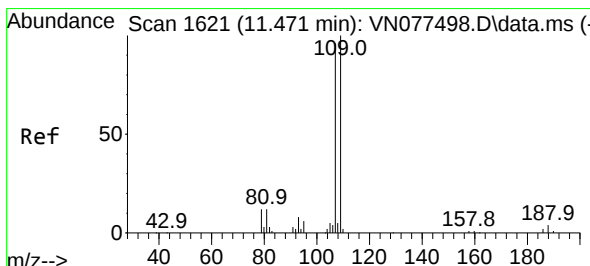
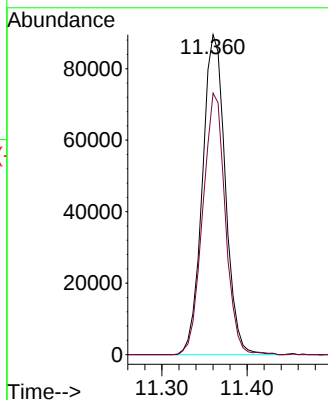
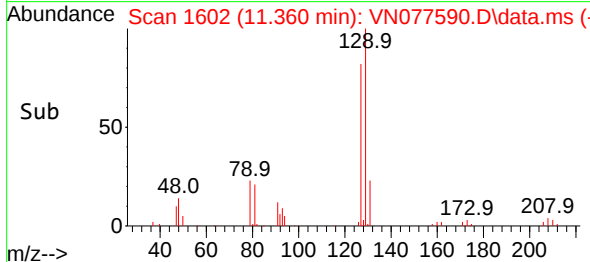
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



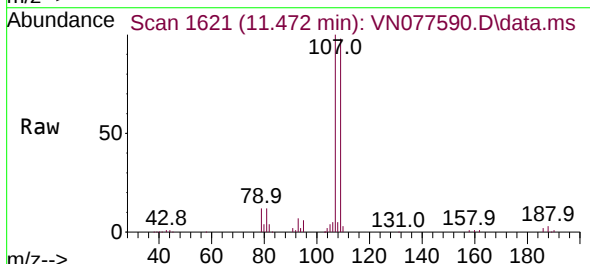
Tgt Ion:129 Resp: 167360
Ion Ratio Lower Upper
129 100
127 80.1 38.2 114.6

Manual Integrations
APPROVED

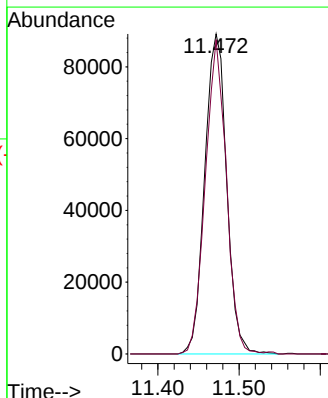
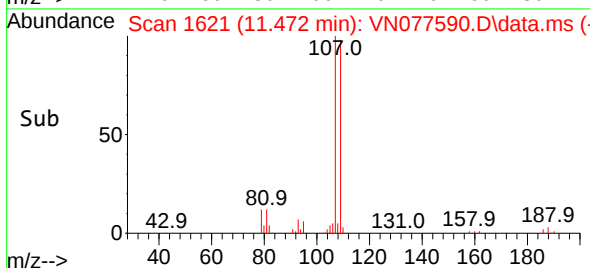
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

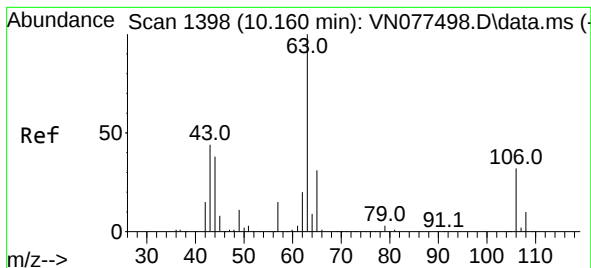


#54
1,2-Dibromoethane
Concen: 20.475 ug/l
RT: 11.472 min Scan# 1621
Delta R.T. 0.001 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



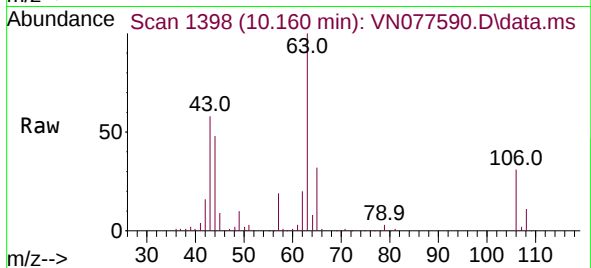
Tgt Ion:107 Resp: 167318
Ion Ratio Lower Upper
107 100
109 94.1 73.8 110.6





#55
2-Chloroethyl vinyl ether
Concen: 88.631 ug/l
RT: 10.160 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

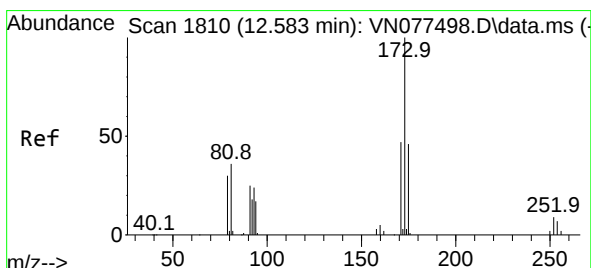
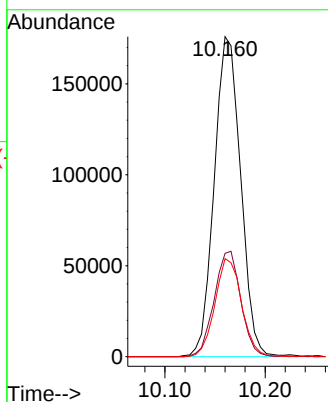
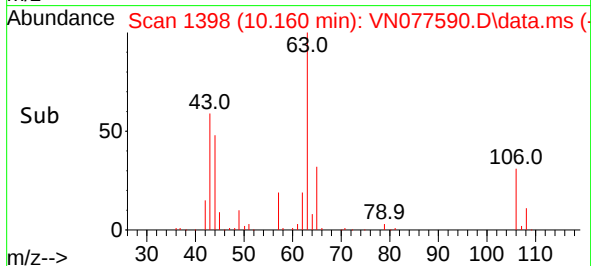
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



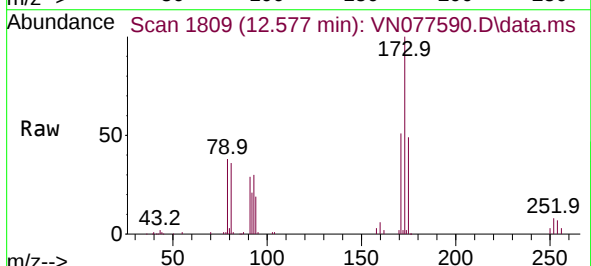
Tgt Ion: 63 Resp: 321528
Ion Ratio Lower Upper
63 100
65 33.1 25.8 38.6
106 30.9 26.2 39.2

Manual Integrations
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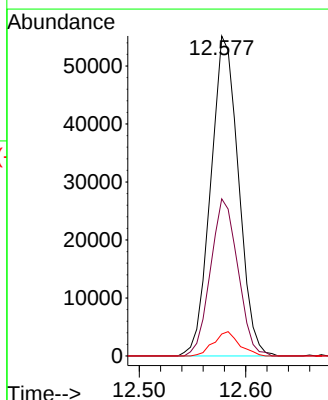
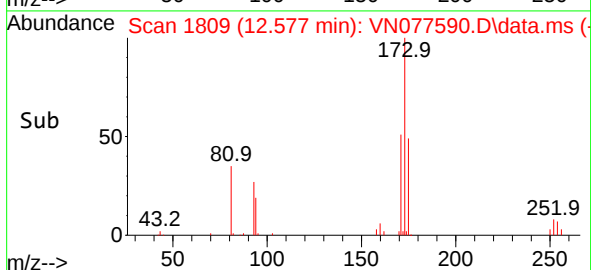
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

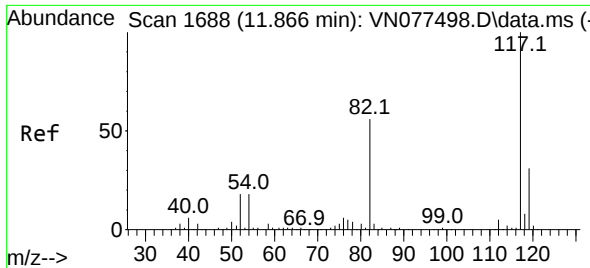


#56
Bromoform
Concen: 19.461 ug/l
RT: 12.577 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



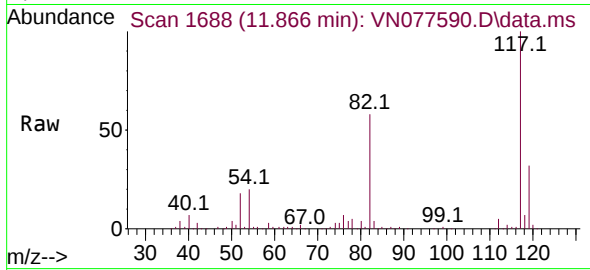
Tgt Ion:173 Resp: 99790
Ion Ratio Lower Upper
173 100
175 48.4 40.3 60.5
254 7.0 5.0 7.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

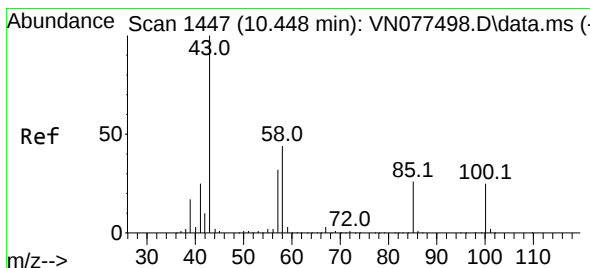
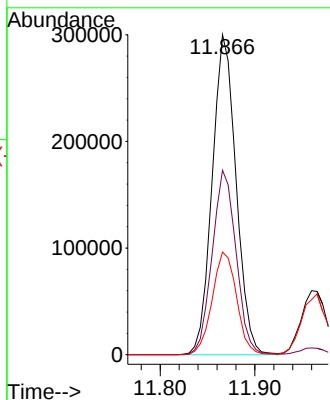
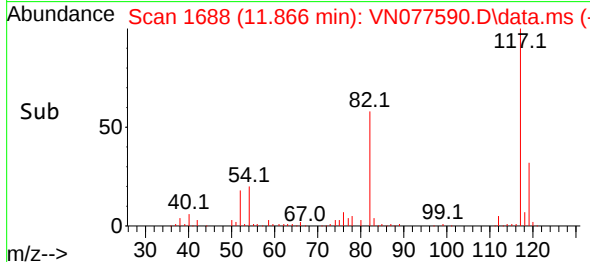
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 525879
Ion Ratio Lower Upper
117 100
82 57.8 44.2 66.2
119 32.8 25.4 38.2

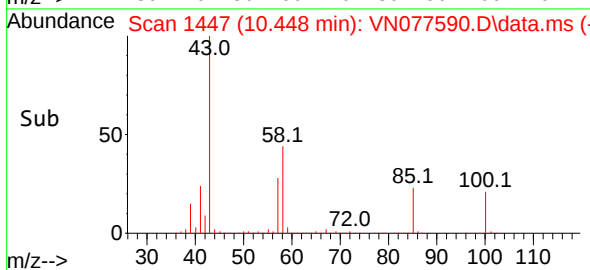
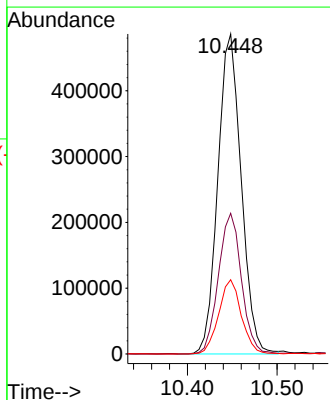
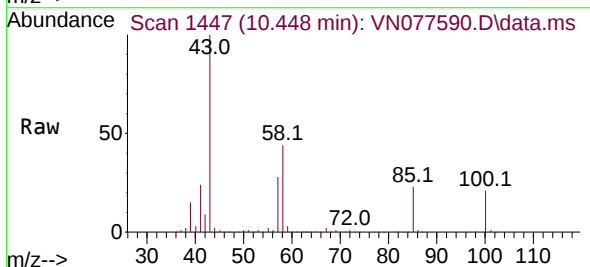
Manual Integrations
APPROVED

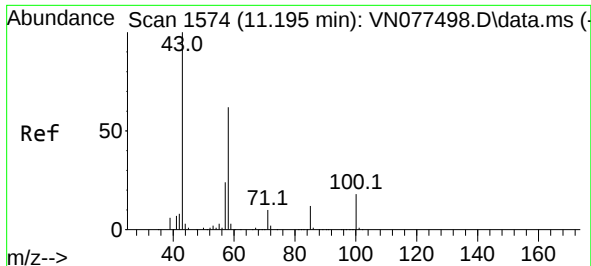
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#58
4-Methyl-2-Pentanone
Concen: 116.161 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

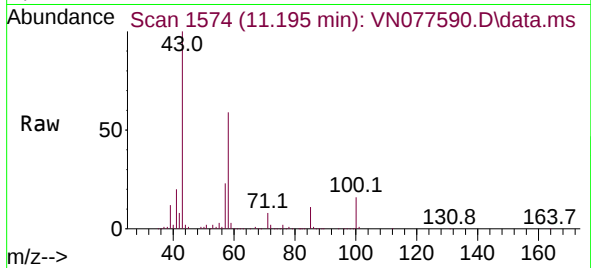
Tgt Ion: 43 Resp: 879741
Ion Ratio Lower Upper
43 100
58 43.4 37.2 55.8
85 22.6 21.1 31.7





#59
2-Hexanone
Concen: 111.581 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

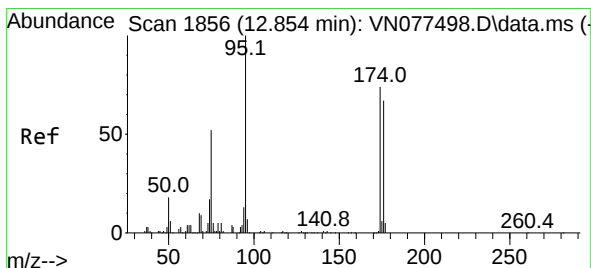
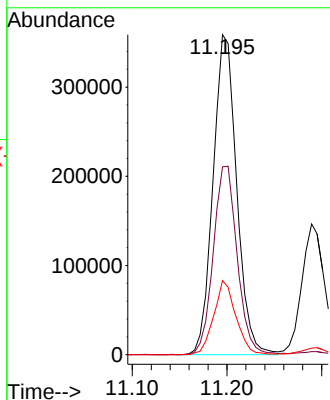
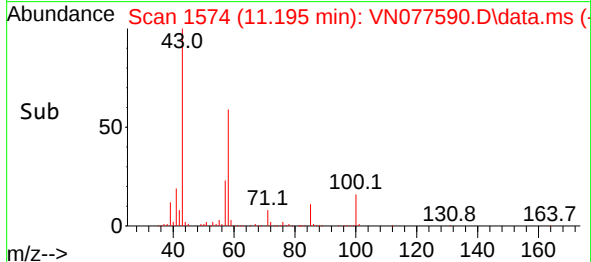
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 622590
Ion Ratio Lower Upper
43 100
58 59.6 51.8 77.8
57 21.7 18.2 27.4

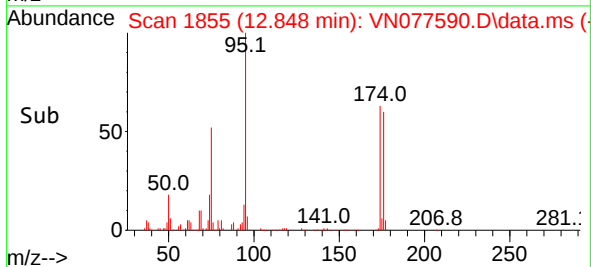
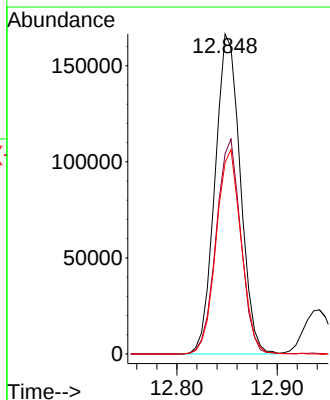
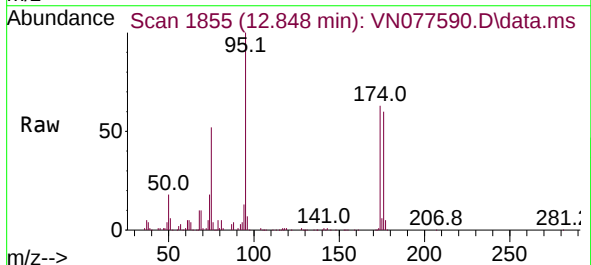
Manual Integrations
APPROVED

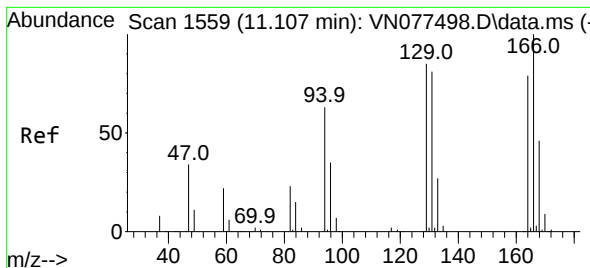
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#60
4-Bromofluorobenzene
Concen: 31.576 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

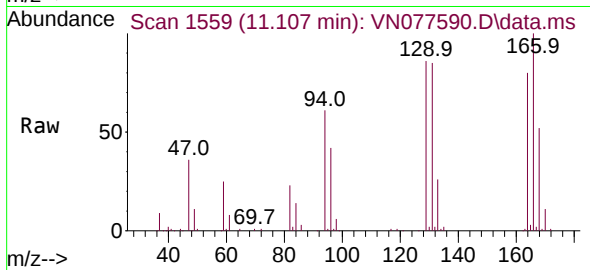
Tgt Ion: 95 Resp: 290917
Ion Ratio Lower Upper
95 100
174 65.5 55.9 83.9
176 63.4 53.9 80.9





#61
Tetrachloroethene
Concen: 19.483 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

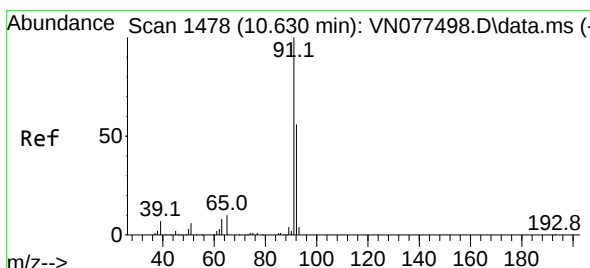
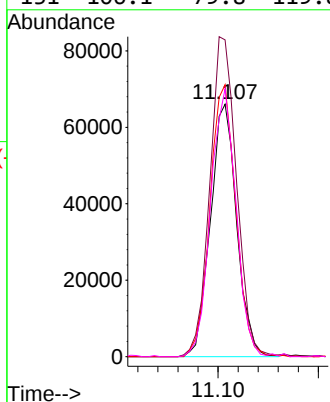
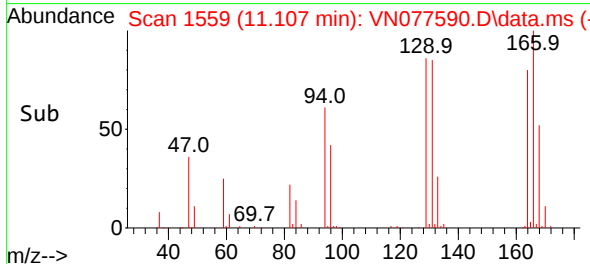
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



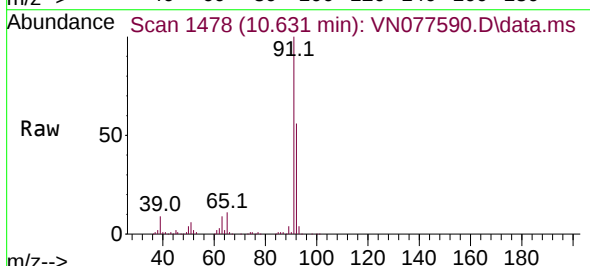
Tgt Ion:164 Resp: 11967
Ion Ratio Lower Upper
164 100
166 125.5 94.5 141.7
129 107.8 80.2 120.2
131 106.1 79.8 119.8

Manual Integrations
APPROVED

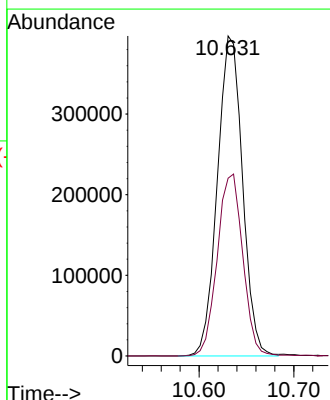
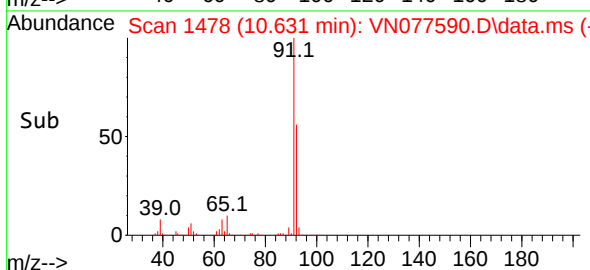
Reviewed By :John Carbone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

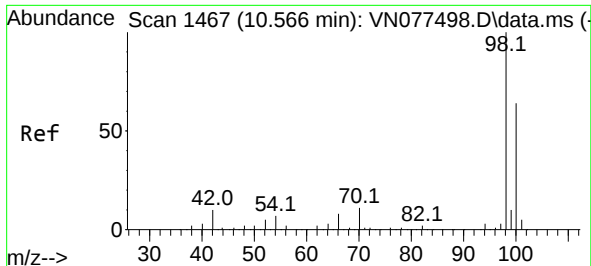


#62
Toluene
Concen: 20.706 ug/l
RT: 10.631 min Scan# 1478
Delta R.T. 0.001 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



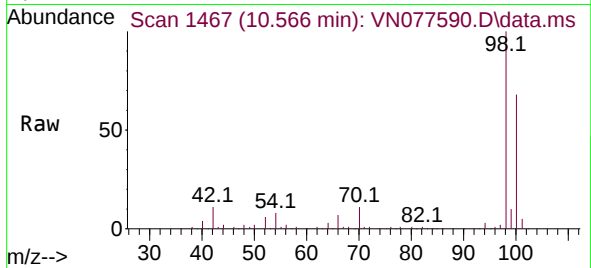
Tgt Ion: 91 Resp: 732317
Ion Ratio Lower Upper
91 100
92 57.6 46.1 69.1





#63
Toluene-d8
Concen: 29.966 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

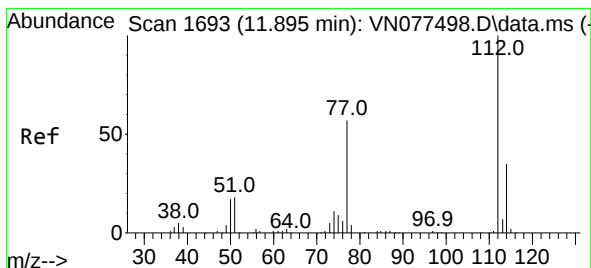
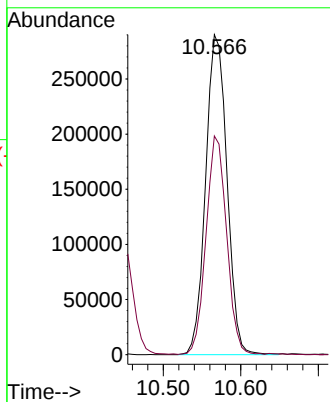
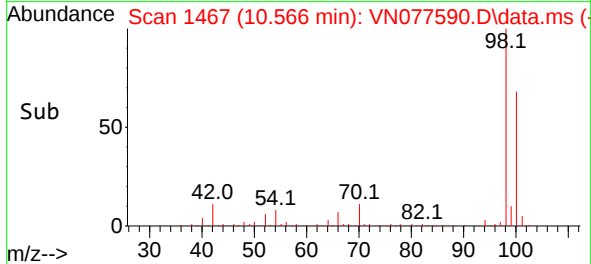
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



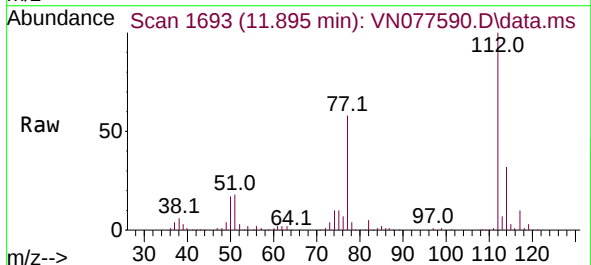
Tgt Ion: 98 Resp: 555290
Ion Ratio Lower Upper
98 100
100 65.5 51.0 76.4

Manual Integrations
APPROVED

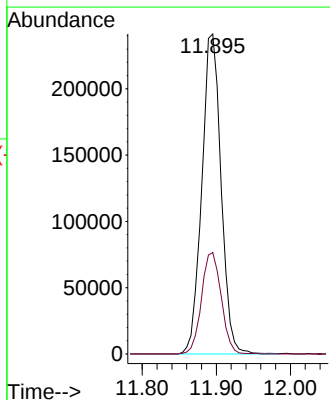
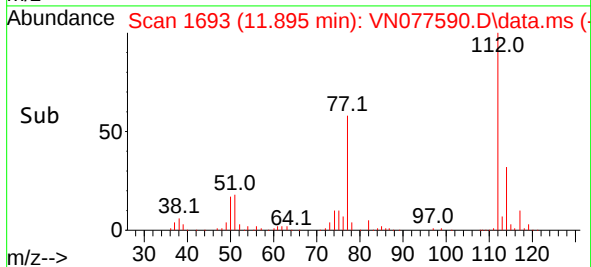
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

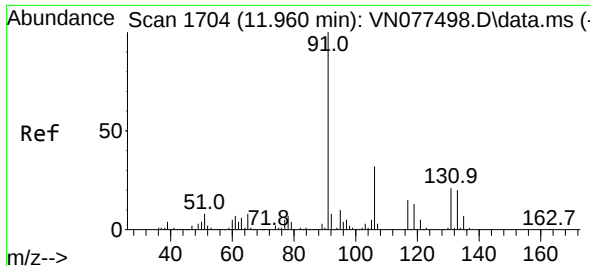


#64
Chlorobenzene
Concen: 20.183 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



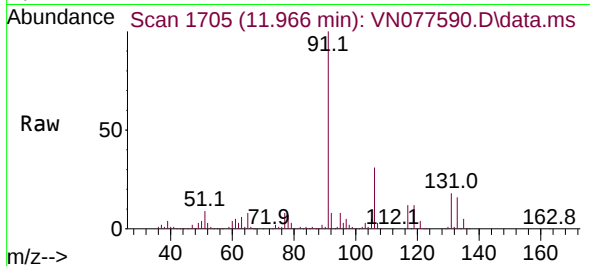
Tgt Ion:112 Resp: 436072
Ion Ratio Lower Upper
112 100
114 31.7 23.9 35.9





#65
1,1,1,2-Tetrachloroethane
Concen: 20.540 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

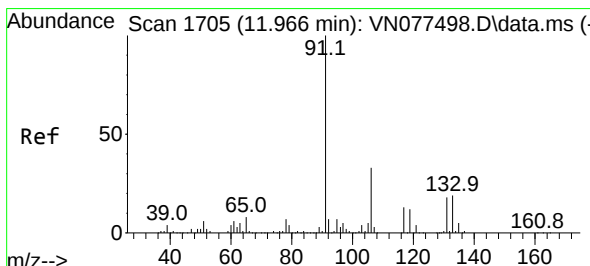
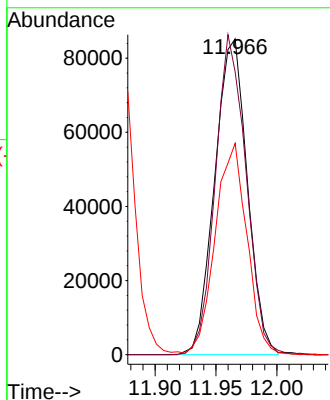
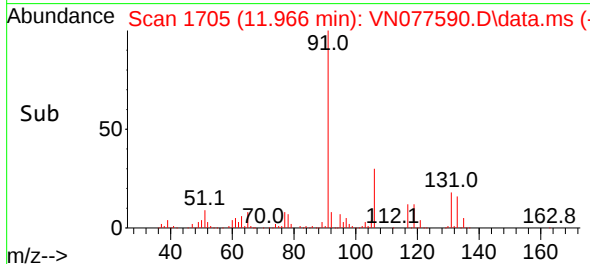
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:131 Resp: 15860
Ion Ratio Lower Upper
131 100
133 95.5 0.0 191.4
119 65.1 0.0 137.2

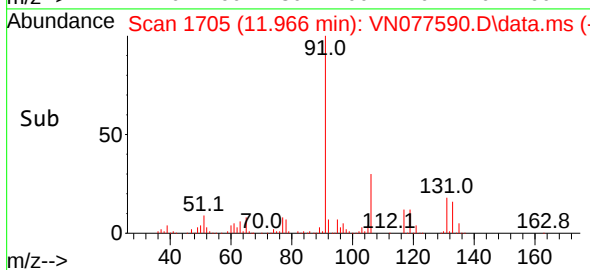
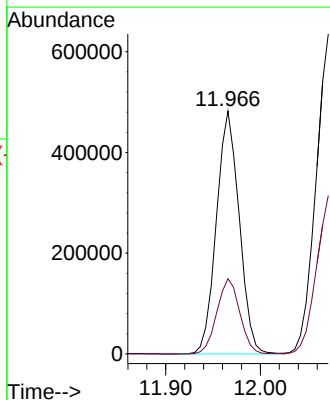
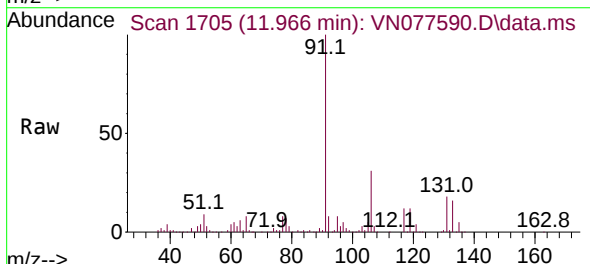
Manual Integrations
APPROVED

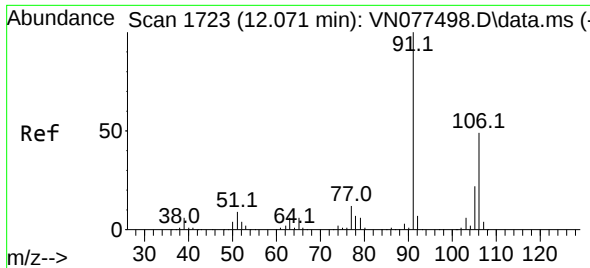
Reviewed By :John Carbone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#66
Ethyl Benzene
Concen: 20.920 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Tgt Ion: 91 Resp: 807907
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3





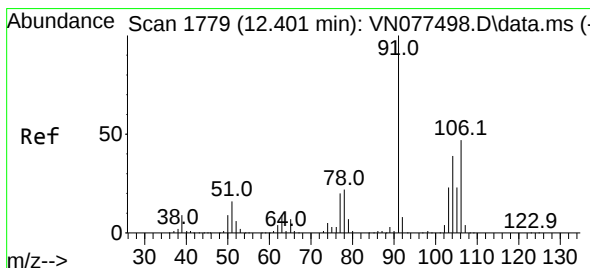
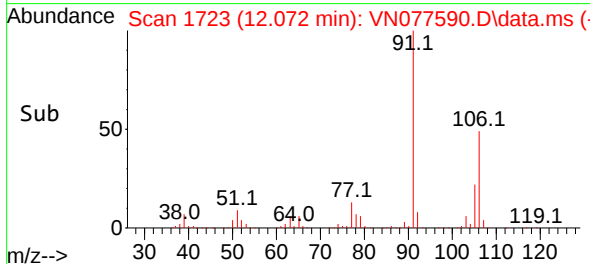
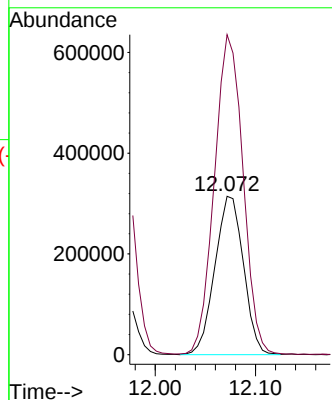
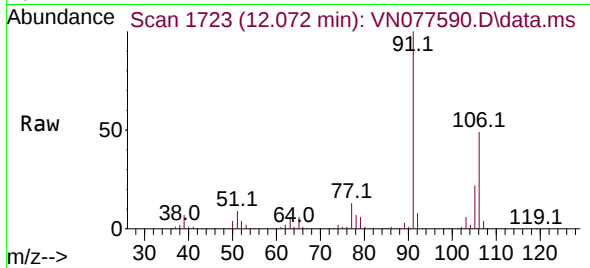
#67
m/p-Xylenes
Concen: 41.409 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. 0.001 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 622710
Ion Ratio Lower Upper
106 100
91 202.8 157.9 236.9

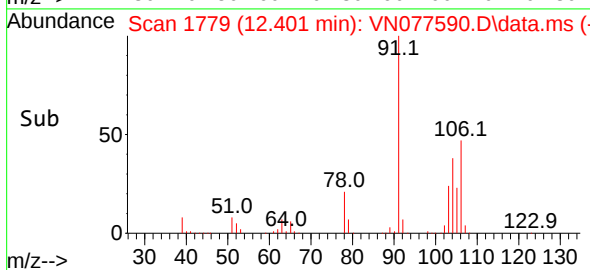
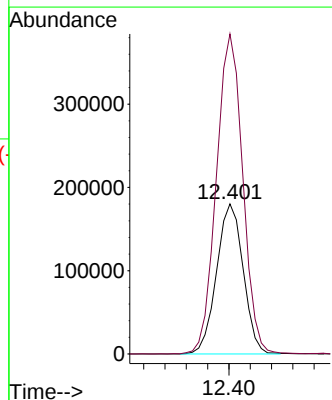
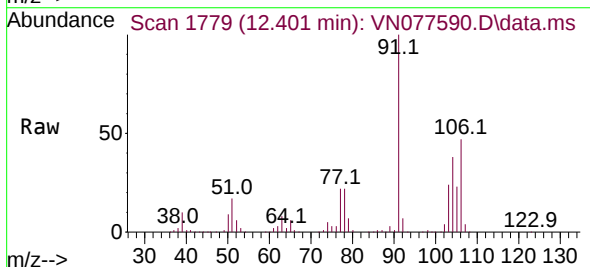
Manual Integrations
APPROVED

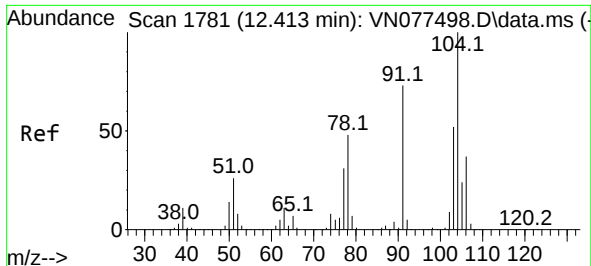
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#68
o-Xylene
Concen: 20.918 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Tgt Ion:106 Resp: 312458
Ion Ratio Lower Upper
106 100
91 211.8 104.6 313.8





#69

Styrene

Concen: 20.835 ug/l

RT: 12.413 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VN077590.D

Acq: 05 May 2023 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

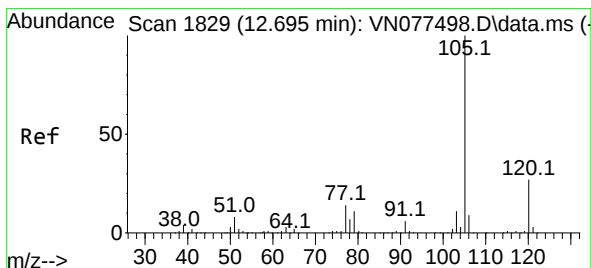
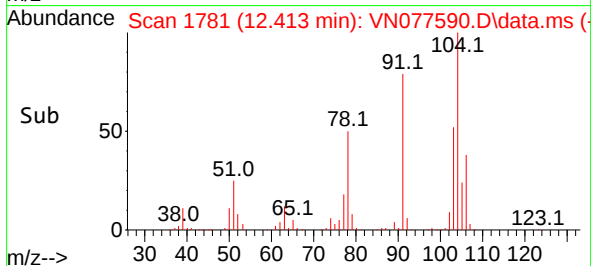
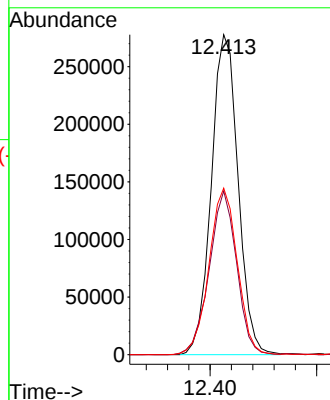
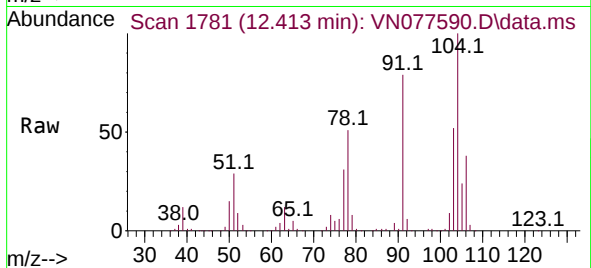
Tgt Ion:104 Resp: 483944
 Ion Ratio Lower Upper
 104 100
 78 52.1 39.3 58.9
 103 54.9 44.6 66.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#70

Isopropylbenzene

Concen: 20.674 ug/l

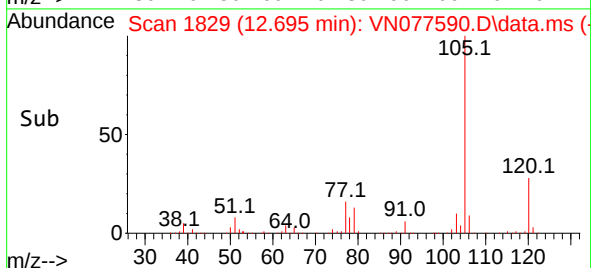
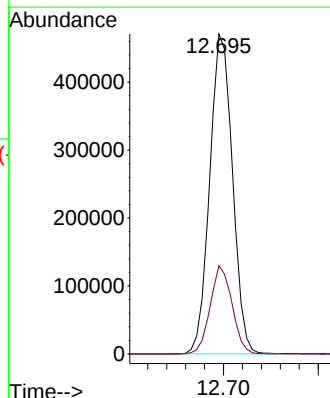
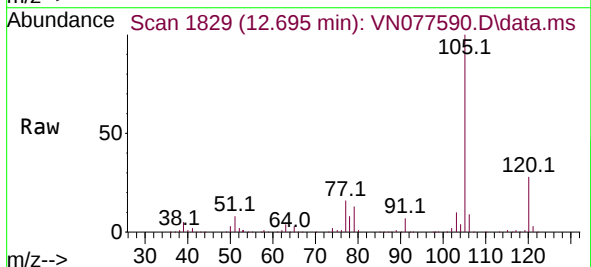
RT: 12.695 min Scan# 1829

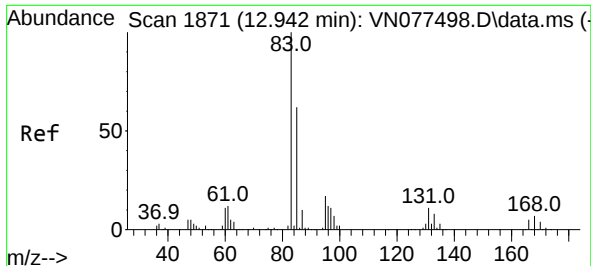
Delta R.T. 0.000 min

Lab File: VN077590.D

Acq: 05 May 2023 13:42

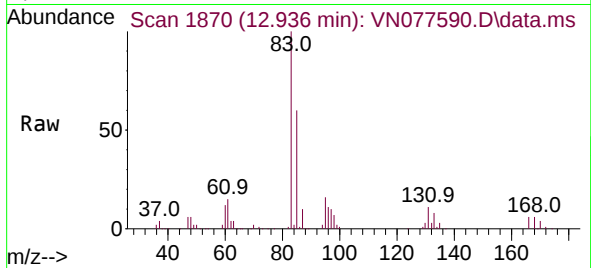
Tgt Ion:105 Resp: 783889
 Ion Ratio Lower Upper
 105 100
 120 26.5 18.7 34.7





#71
1,1,2,2-Tetrachloroethane
Concen: 20.308 ug/l
RT: 12.936 min Scan# 1871
Delta R.T. -0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

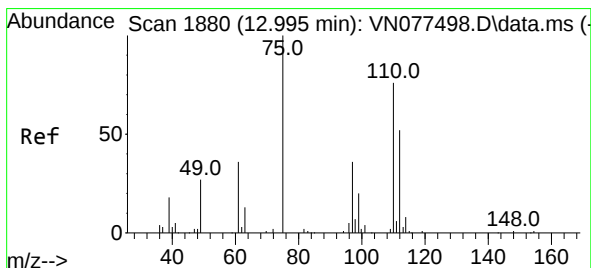
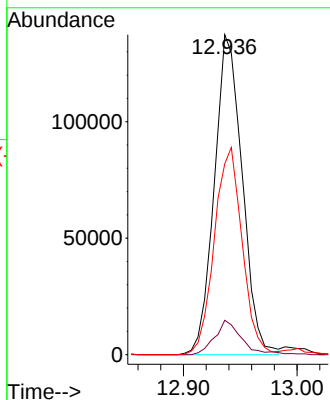
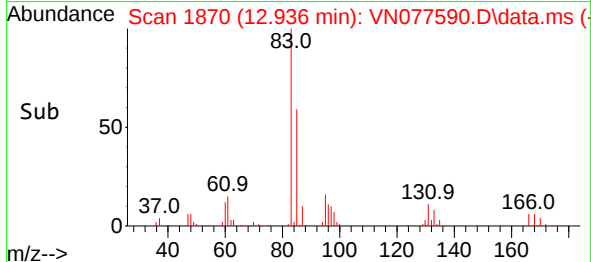
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 234540
Ion Ratio Lower Upper
83 100
131 9.9 4.8 14.3
85 64.5 31.6 94.8

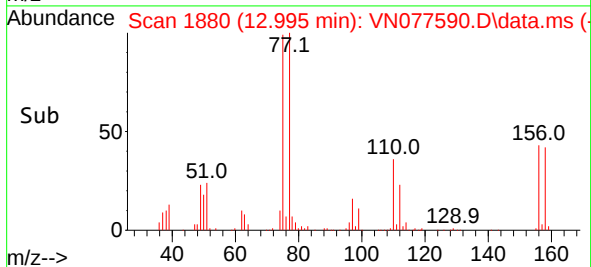
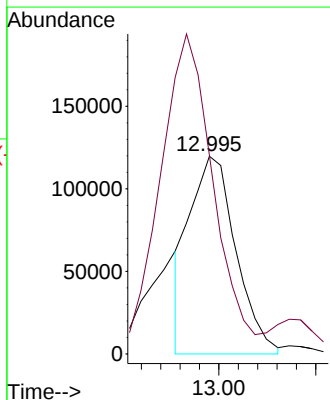
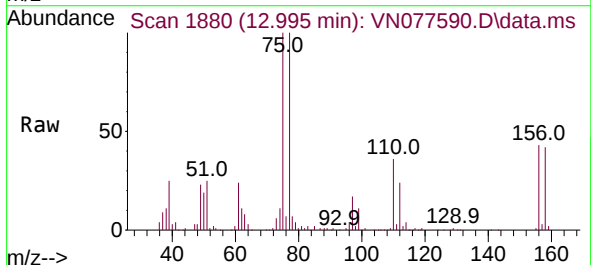
Manual Integrations
APPROVED

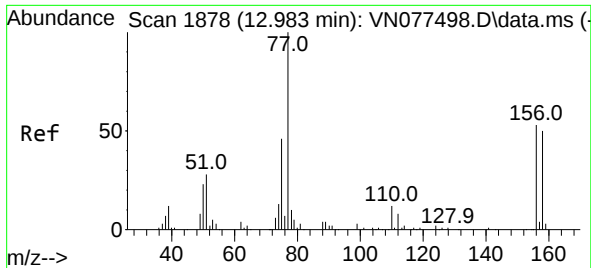
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#72
1,2,3-Trichloropropane
Concen: 20.174 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

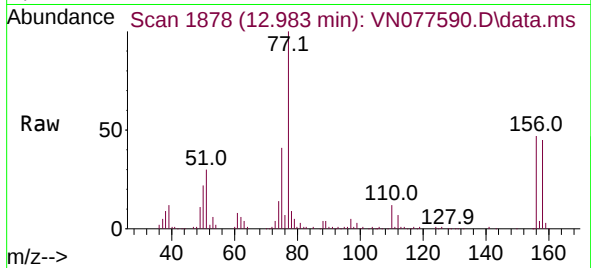
Tgt Ion: 75 Resp: 198197
Ion Ratio Lower Upper
75 100
77 186.9 0.0 367.2





#73
Bromobenzene
Concen: 19.769 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

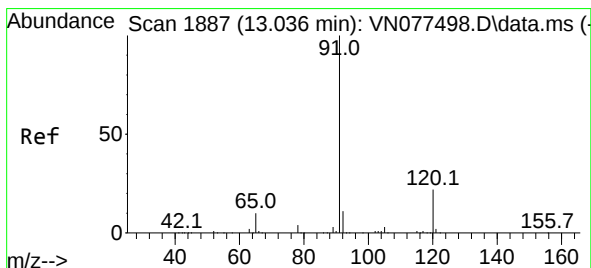
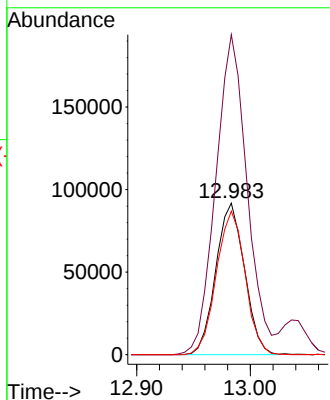
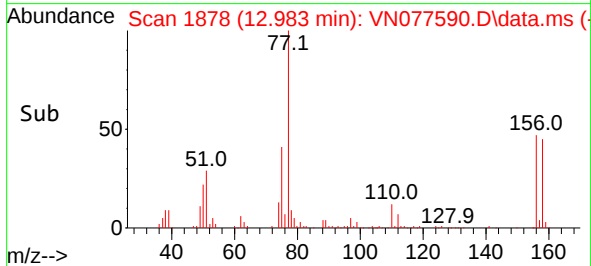
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



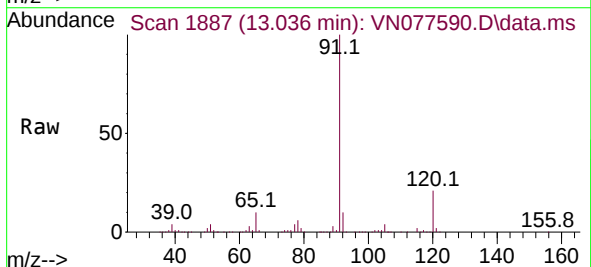
Tgt Ion:156 Resp: 161189
Ion Ratio Lower Upper
156 100
77 229.9 0.0 431.6
158 94.9 0.0 192.4

Manual Integrations
APPROVED

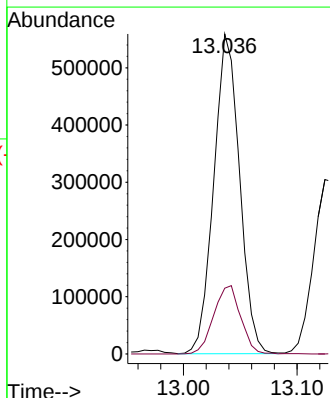
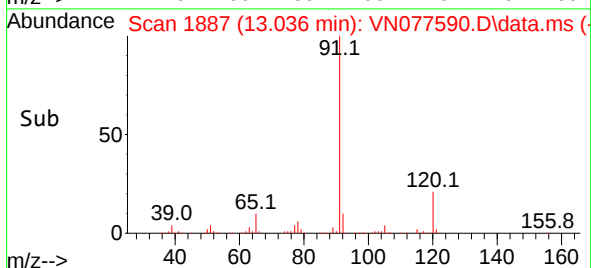
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

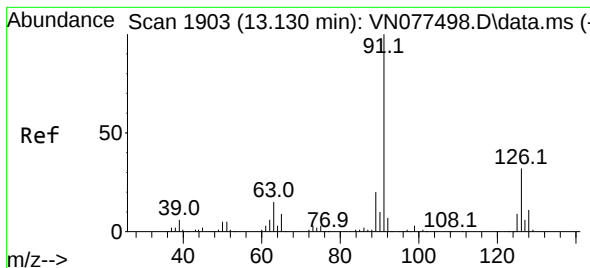


#74
n-propylbenzene
Concen: 20.899 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



Tgt Ion: 91 Resp: 881773
Ion Ratio Lower Upper
91 100
120 22.3 0.0 46.4





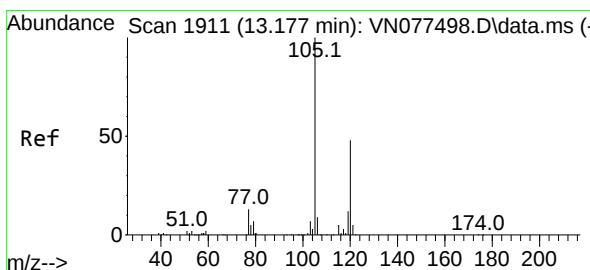
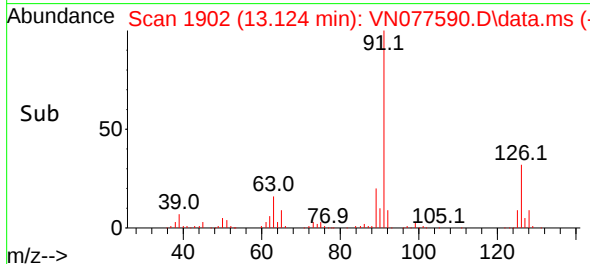
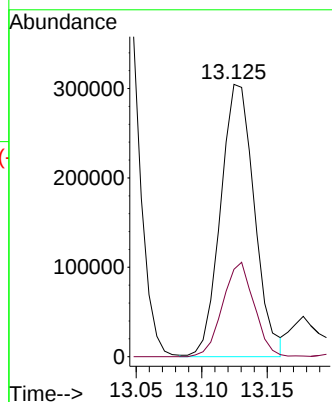
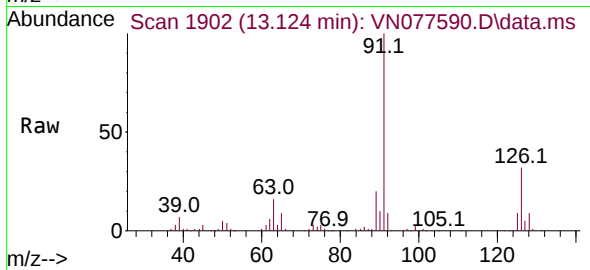
#75
2-Chlorotoluene
Concen: 21.026 ug/l
RT: 13.124 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 547184
Ion Ratio Lower Upper
91 100
126 32.0 0.0 65.2

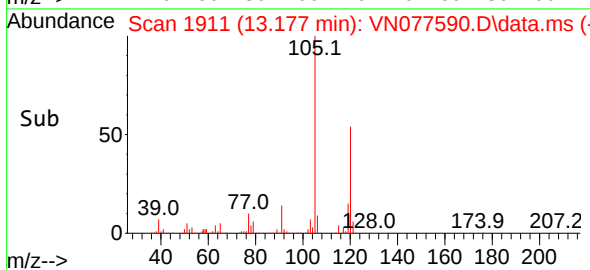
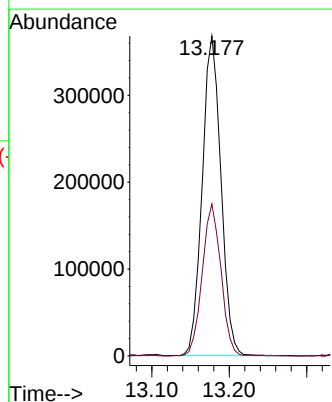
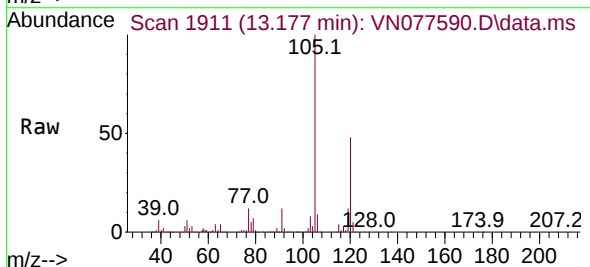
Manual Integrations
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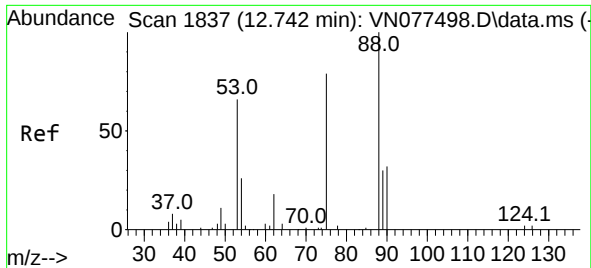
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#76
1,3,5-Trimethylbenzene
Concen: 21.178 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Tgt Ion:105 Resp: 618960
Ion Ratio Lower Upper
105 100
120 47.3 0.0 93.8





#77

t-1,4-Dichloro-2-butene

Concen: 17.818 ug/l

RT: 12.736 min Scan# 1836

Delta R.T. -0.006 min

Lab File: VN077590.D

Acq: 05 May 2023 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

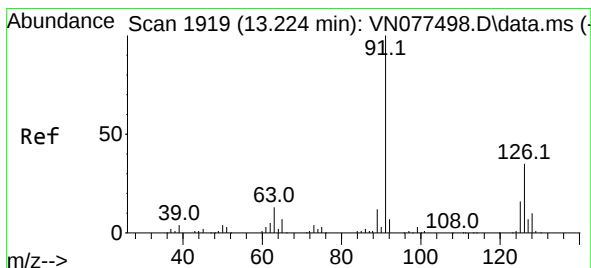
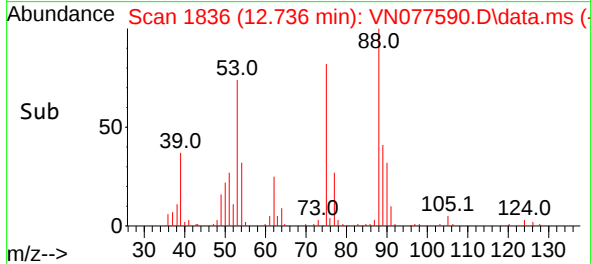
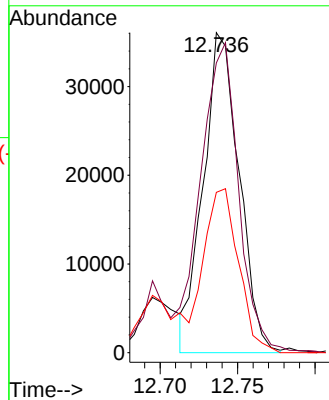
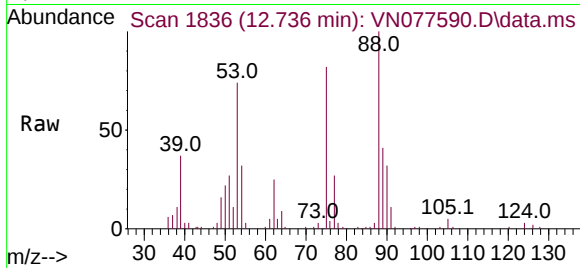
Tgt Ion:	75	Resp:	57820
Ion Ratio	Lower	Upper	
75	100		
53	88.5	38.2	114.6
89	50.5	22.1	66.1

Manual Integrations

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Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#78

4-Chlorotoluene

Concen: 20.976 ug/l

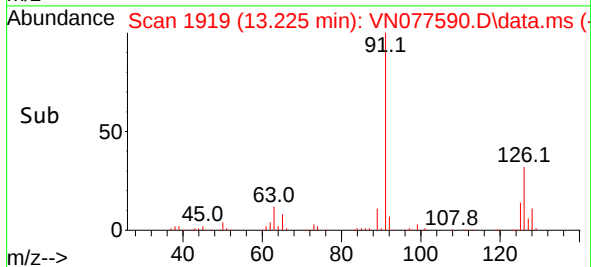
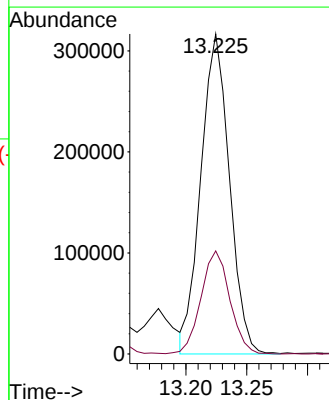
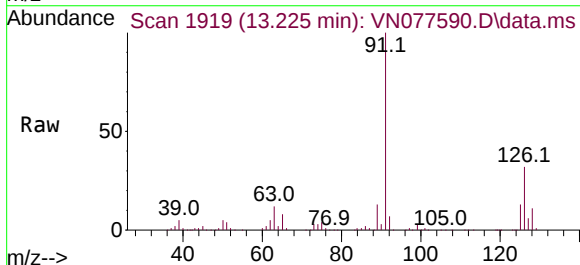
RT: 13.225 min Scan# 1919

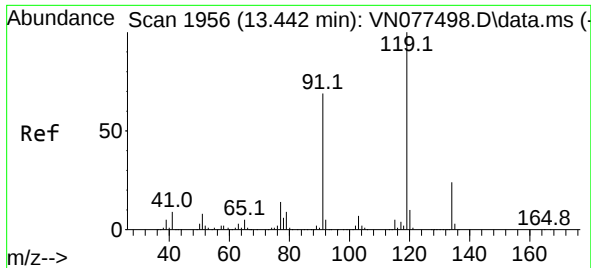
Delta R.T. 0.001 min

Lab File: VN077590.D

Acq: 05 May 2023 13:42

Tgt Ion:	91	Resp:	516790
Ion Ratio	Lower	Upper	
91	100		
126	32.5	0.0	65.6





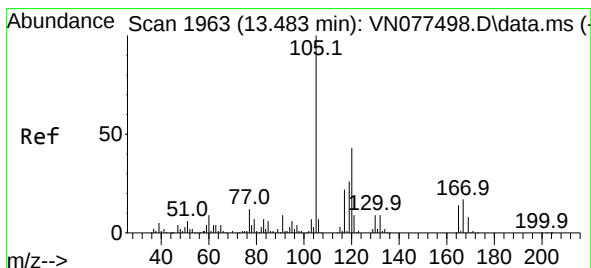
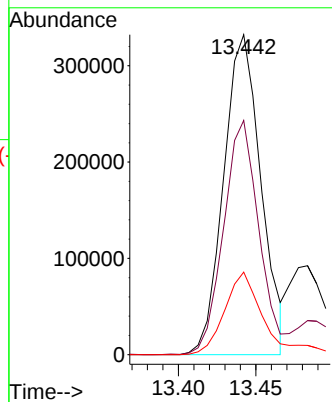
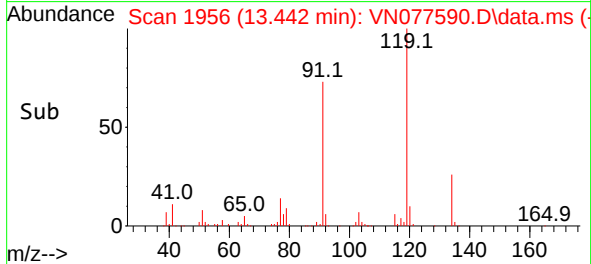
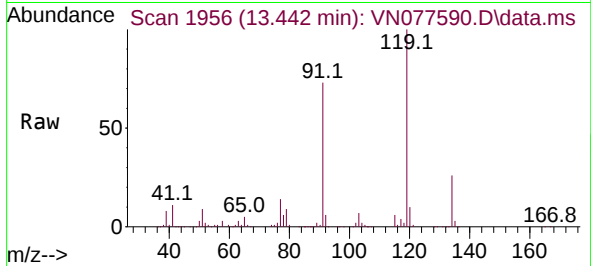
#79
tert-butylbenzene
Concen: 20.560 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 55586
Ion Ratio Lower Upper
119 100
91 68.8 0.0 139.4
134 24.9 0.0 49.2

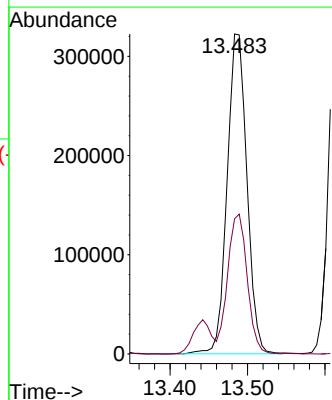
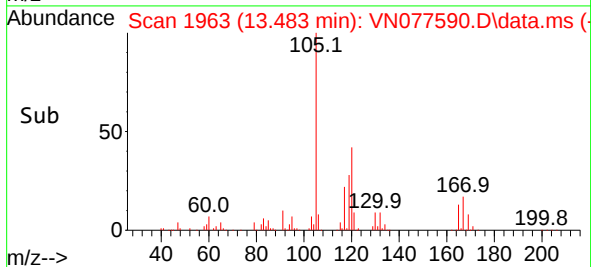
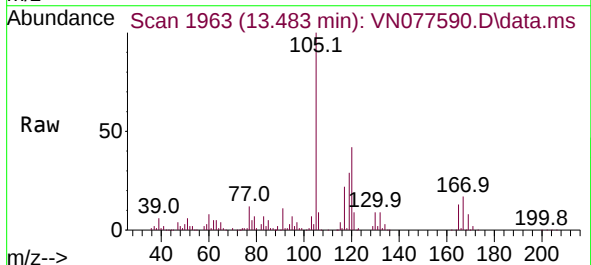
Manual Integrations
APPROVED

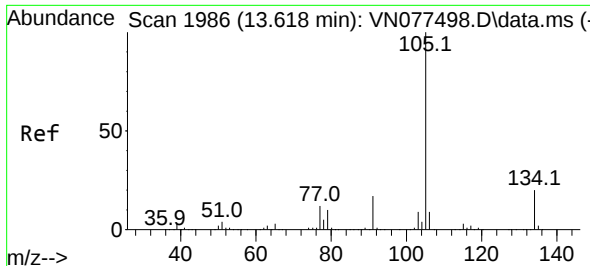
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#80
1,2,4-Trimethylbenzene
Concen: 21.297 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

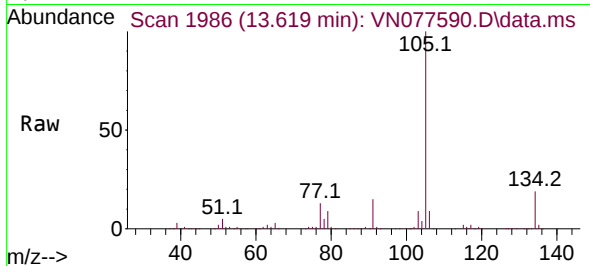
Tgt Ion:105 Resp: 572459
Ion Ratio Lower Upper
105 100
120 43.1 0.0 87.8





#81
 sec-Butylbenzene
 Concen: 20.581 ug/l
 RT: 13.619 min Scan# 1986
 Delta R.T. 0.001 min
 Lab File: VN077590.D
 Acq: 05 May 2023 13:42

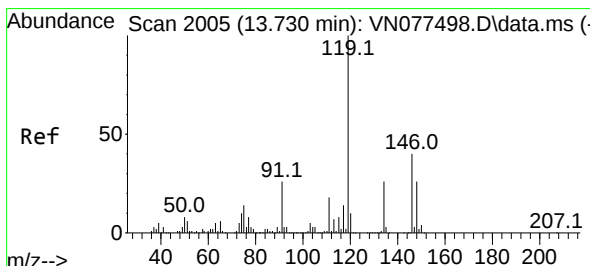
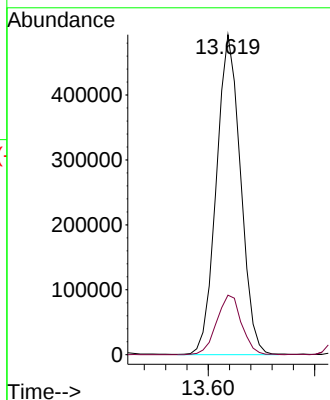
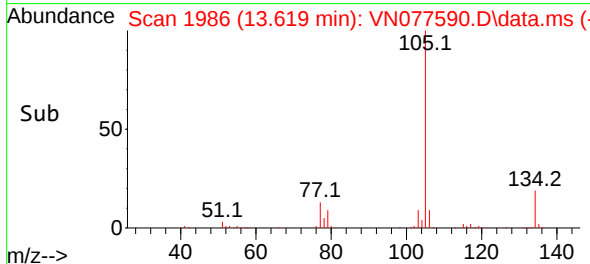
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



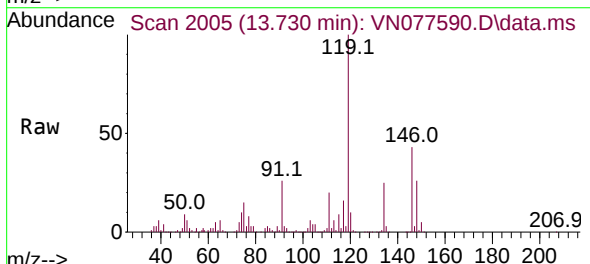
Tgt Ion:105 Resp: 77575
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 38.4

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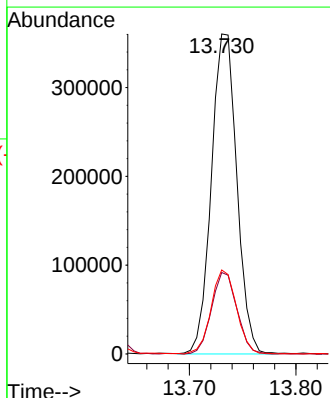
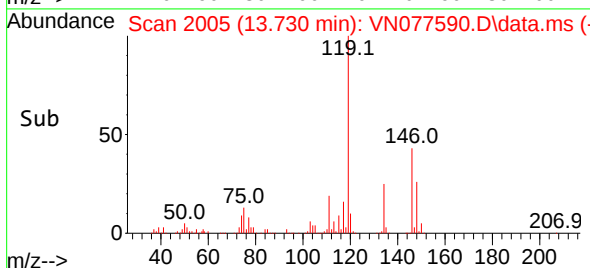
Reviewed By :John Carlone 05/08/2023
 Supervised By :Mahesh Dadoda 05/08/2023

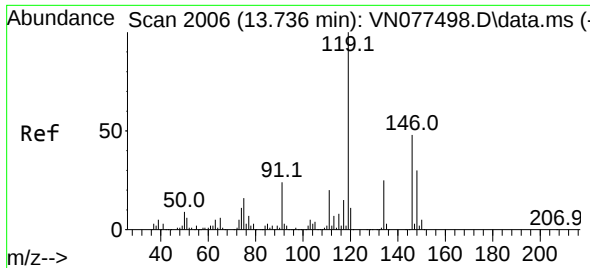


#82
 p-Isopropyltoluene
 Concen: 20.277 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN077590.D
 Acq: 05 May 2023 13:42



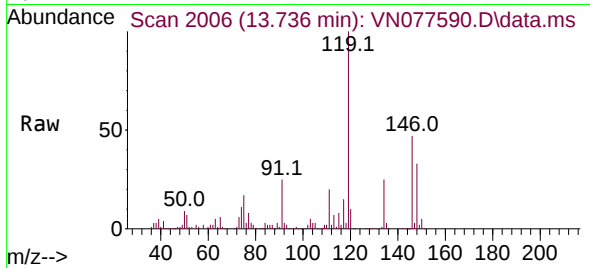
Tgt Ion:119 Resp: 598895
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 52.4
 91 26.1 0.0 50.6





#83
1,3-Dichlorobenzene
Concen: 19.922 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

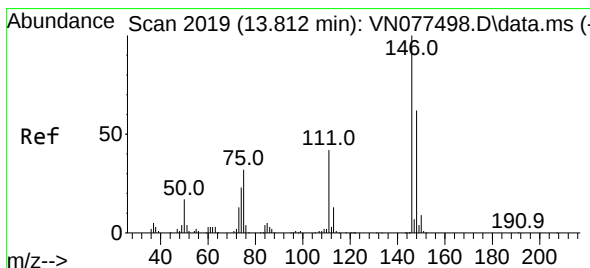
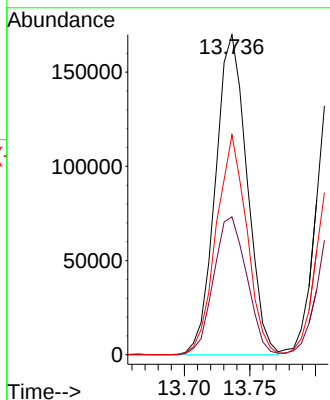
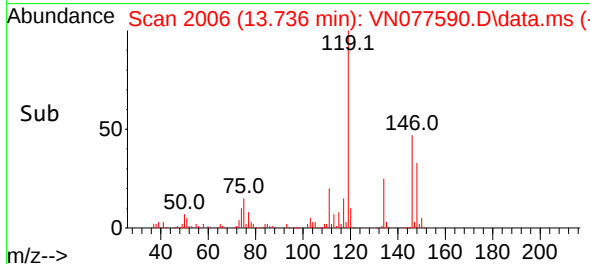
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



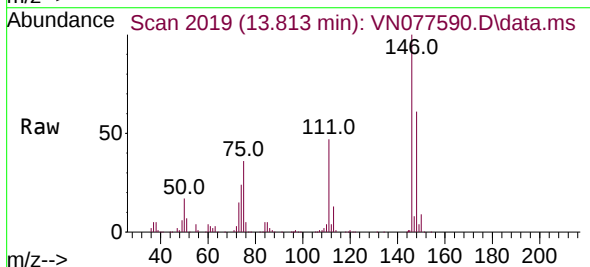
Tgt Ion:146 Resp: 28416
Ion Ratio Lower Upper
146 100
111 45.2 22.1 66.5
148 66.7 31.8 95.4

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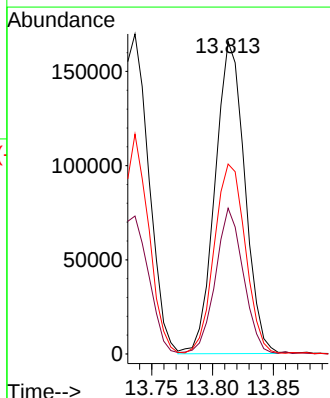
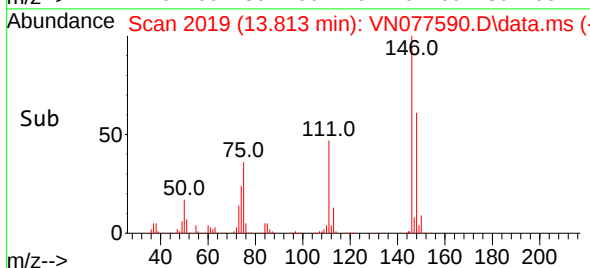
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

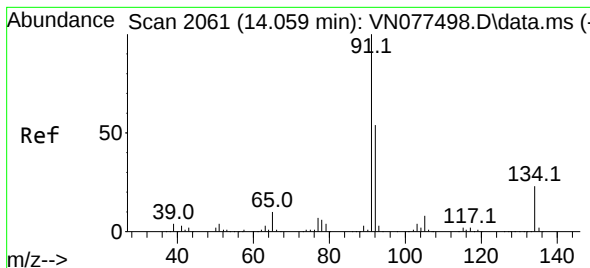


#84
1,4-Dichlorobenzene
Concen: 19.958 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. 0.001 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



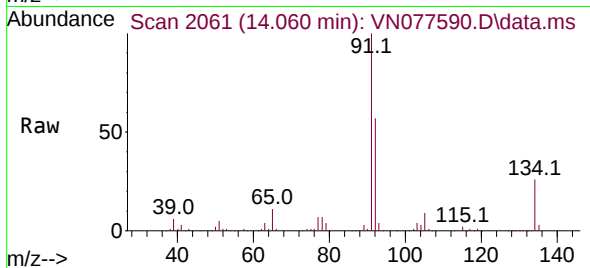
Tgt Ion:146 Resp: 281287
Ion Ratio Lower Upper
146 100
111 44.0 20.9 62.7
148 63.9 31.6 94.7





#85
n-Butylbenzene
Concen: 19.945 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. 0.001 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

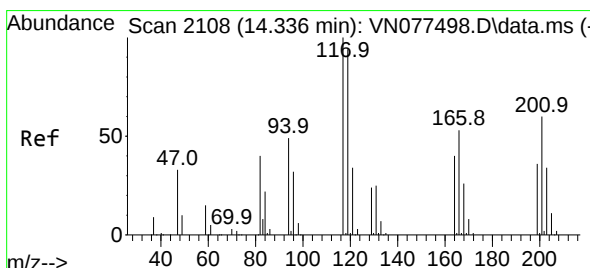
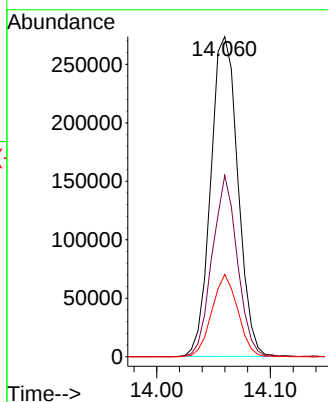
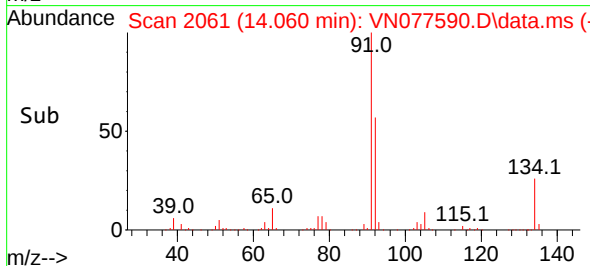
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 91 Resp: 455235
Ion Ratio Lower Upper
91 100
92 52.4 0.0 108.4
134 24.4 0.0 50.0

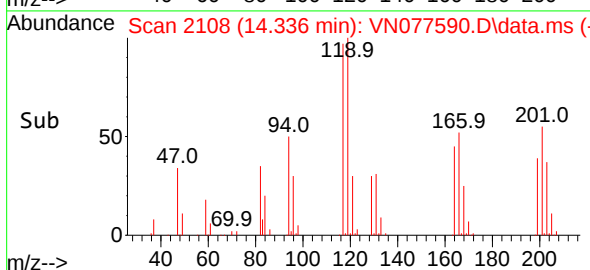
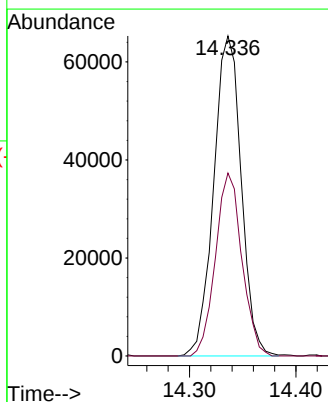
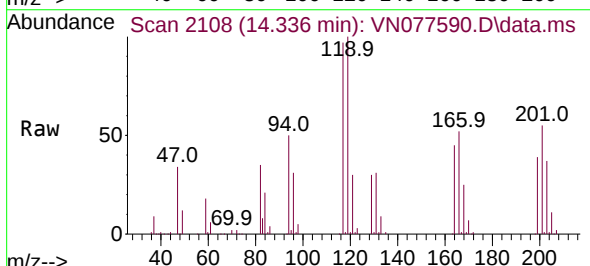
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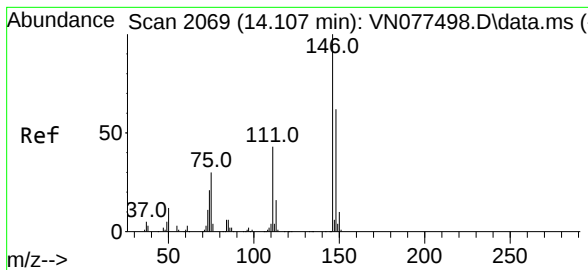
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#86
Hexachloroethane
Concen: 19.572 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

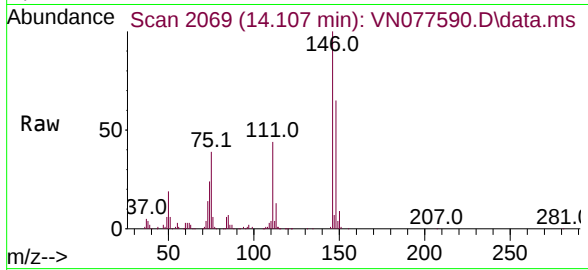
Tgt Ion:117 Resp: 117107
Ion Ratio Lower Upper
117 100
201 54.9 27.4 82.2





#87
1,2-Dichlorobenzene
Concen: 19.509 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

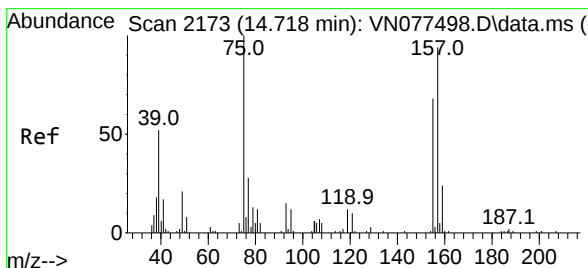
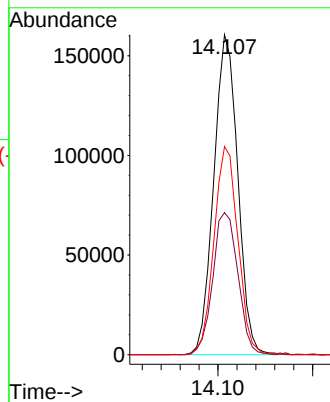
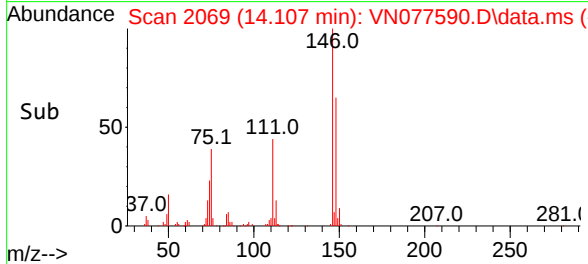
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:146 Resp: 28311
Ion Ratio Lower Upper
146 100
111 46.5 22.3 66.9
148 64.8 32.4 97.2

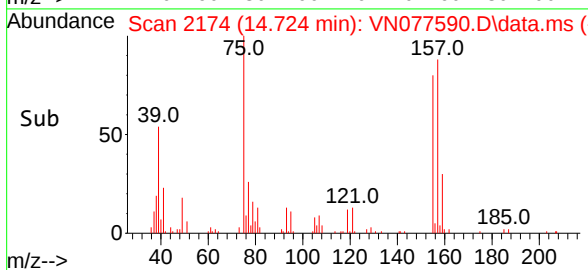
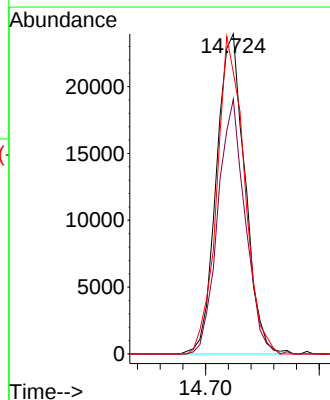
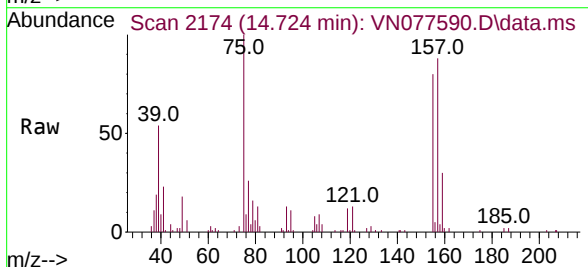
Manual Integrations
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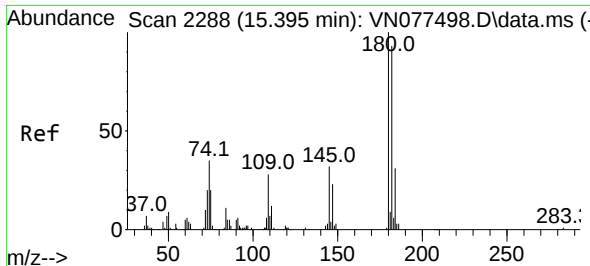
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 19.514 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. 0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

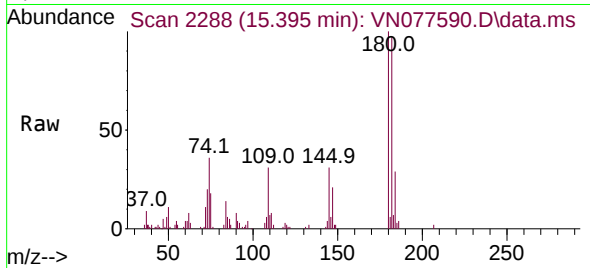
Tgt Ion: 75 Resp: 41660
Ion Ratio Lower Upper
75 100
155 76.3 63.0 94.4
157 96.1 79.5 119.3





#89
1,2,4-Trichlorobenzene
Concen: 16.652 ug/l
RT: 15.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

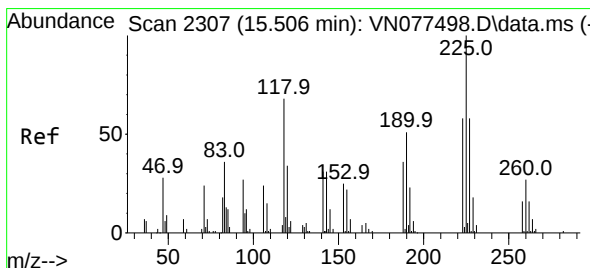
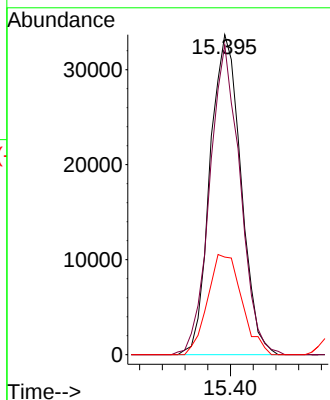
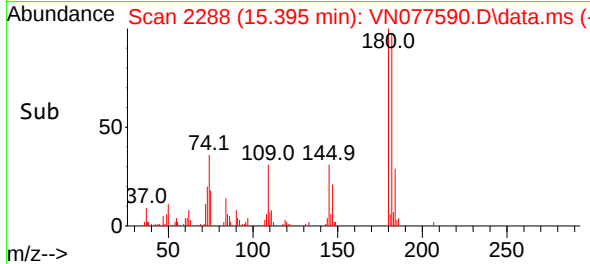
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



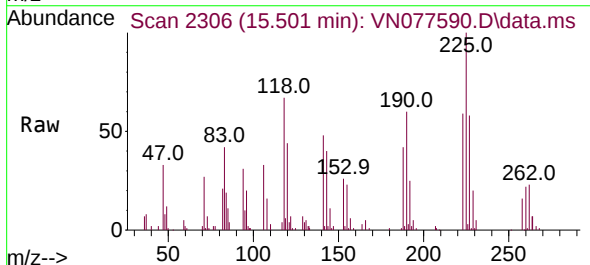
Tgt Ion:180 Resp: 63420
Ion Ratio Lower Upper
180 100
182 95.5 78.7 118.1
145 34.7 28.8 43.2

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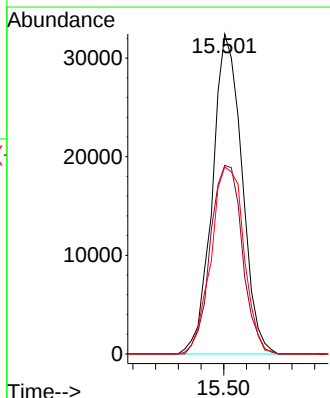
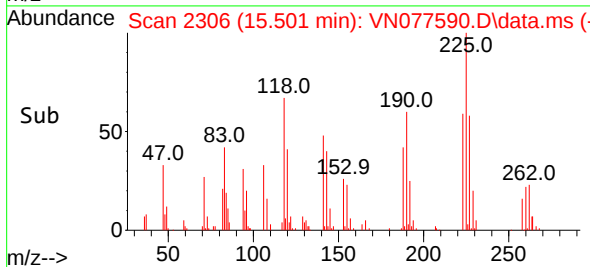
Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023

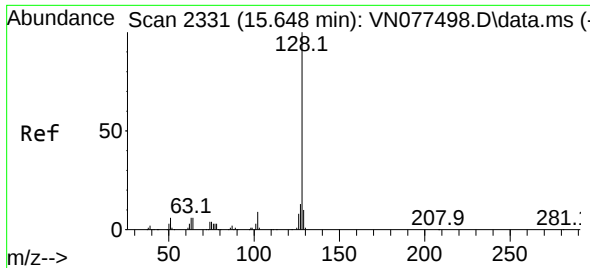


#90
Hexachlorobutadiene
Concen: 18.887 ug/l
RT: 15.501 min Scan# 2306
Delta R.T. -0.005 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42



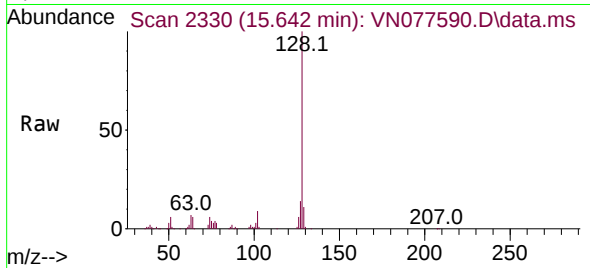
Tgt Ion:225 Resp: 58506
Ion Ratio Lower Upper
225 100
223 63.8 0.0 124.2
227 64.9 0.0 119.2





#91
Naphthalene
Concen: 16.198 ug/l
RT: 15.642 min Scan# 2331
Delta R.T. -0.006 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

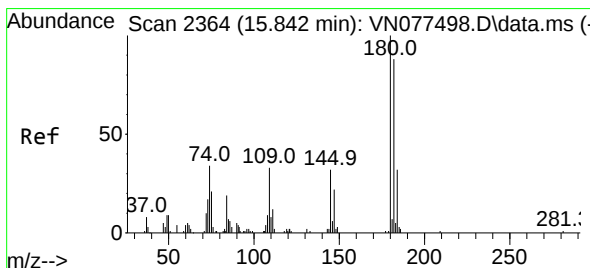
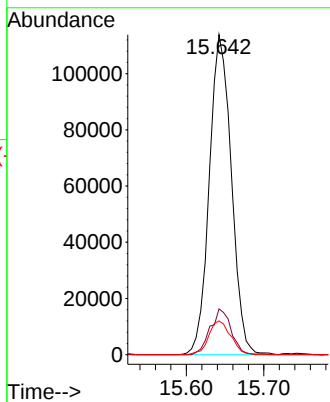
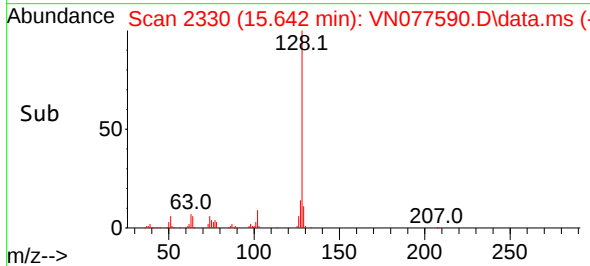
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 225234
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 10.5 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 05/08/2023
Supervised By :Mahesh Dadoda 05/08/2023



#92
1,2,3-Trichlorobenzene
Concen: 16.498 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: VN077590.D
Acq: 05 May 2023 13:42

Tgt Ion:180 Resp: 58794
Ion Ratio Lower Upper
180 100
182 97.2 0.0 198.0
145 38.7 0.0 80.2

