

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031623\
 Data File : VN077015.D
 Acq On : 16 Mar 2023 11:52
 Operator : JC\MD
 Sample : VN0316WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2023
 Supervised By : Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 03:20:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 04:16:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.825	128	52004	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	383358	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	416266	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	156968	32.839	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.467%			
60) 4-Bromofluorobenzene	12.848	95	239842	30.443	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.467%			
63) Toluene-d8	10.572	98	448458	30.630	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	143726	21.597	ug/l	97
3) Chloromethane	2.378	50	99911	16.426	ug/l	98
4) Vinyl Chloride	2.531	62	100171	18.060	ug/l	95
5) Bromomethane	2.966	94	69396	19.565	ug/l	92
6) Chloroethane	3.137	64	65641	20.140	ug/l	95
7) Trichlorofluoromethane	3.513	101	226261	21.836	ug/l	95
8) Diethyl Ether	3.972	74	89472	23.025	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.384	101	131912	22.472	ug/l	99
10) 1,1-Dichloroethene	4.354	96	124877	21.917	ug/l	99
11) Methyl Iodide	4.607	142	157878	22.996	ug/l	94
12) Methyl Acetate	5.037	43	228916	24.428	ug/l	97
13) Acrolein	4.196	56	182416	131.670	ug/l	98
14) Acrylonitrile	5.731	53	363962	117.899	ug/l	99
15) Acetone	4.443	58	128219	152.615	ug/l	94
16) Carbon Disulfide	4.725	76	360041	22.790	ug/l	98
17) Allyl chloride	5.037	41	221049	25.866	ug/l	98
18) Methylene Chloride	5.284	84	147838	22.183	ug/l	92
19) trans-1,2-Dichloroethene	5.801	96	137085	22.834	ug/l	96
20) Diisopropyl ether	6.684	45	478004	24.794	ug/l	97
21) 1,1-Dichloroethane	6.578	63	273917	23.876	ug/l	99
22) cis-1,2-Dichloroethene	7.495	96	153292	22.280	ug/l	97
23) tert-Butyl Alcohol	5.531	59	113346	126.423	ug/l #	100
24) Methyl tert-Butyl Ether	5.801	73	435768	23.458	ug/l	94
25) Chloroform	7.972	83	263571	22.364	ug/l	99
26) Cyclohexane	8.260	56	248267	23.701	ug/l #	98
29) 1,1-Dichloropropene	8.378	75	202300	22.404	ug/l	97
30) 2-Butanone	7.490	43	528750	128.349	ug/l	99
31) 2,2-Dichloropropane	7.495	77	215074	24.041	ug/l #	66
32) 1,1,1-Trichloroethane	8.172	97	228459	21.691	ug/l	97
33) Carbon Tetrachloride	8.372	117	197497	21.207	ug/l	94
34) Benzene	8.613	78	602136	21.752	ug/l	98
35) Methacrylonitrile	7.790	41	113597	24.506	ug/l	97
36) 1,2-Dichloroethane	8.672	62	208253	22.444	ug/l	99
37) Trichloroethene	9.354	130	130423	19.116	ug/l	82
38) Methylcyclohexane	9.607	83	252098	22.430	ug/l	96
39) 1,2-Dichloropropane	9.625	63	159485	22.423	ug/l	95
40) Dibromomethane	9.713	93	95636	21.106	ug/l	96
41) Bromodichloromethane	9.889	83	200064	21.544	ug/l	99
42) Vinyl Acetate	6.613	43	1628188	126.790	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	201892	24.288	ug/l	100
44) Isopropyl Acetate	8.695	43	320395	23.777	ug/l	96
45) 1,4-Dioxane	9.695	88	51437	453.749	ug/l	93
46) Methyl methacrylate	9.684	41	159604	24.322	ug/l	93
47) n-amyl Acetate	12.495	43	272223	24.824	ug/l	95
48) t-1,3-Dichloropropene	10.842	75	212586	22.856	ug/l	96
49) cis-1,3-Dichloropropene	10.313	75	244891	23.181	ug/l #	88
50) 1,1,2-Trichloroethane	11.019	97	137940	20.779	ug/l	99
51) Ethyl methacrylate	10.878	69	221084	22.591	ug/l	95
52) 1,3-Dichloropropane	11.166	76	254707	22.214	ug/l	99
53) Dibromochloromethane	11.360	129	143402	21.175	ug/l	99
54) 1,2-Dibromoethane	11.472	107	137845	21.518	ug/l	100
55) 2-Chloroethyl vinyl ether	10.166	63	324211	94.489	ug/l	99
56) Bromoform	12.583	173	92065	20.320	ug/l	99
58) 4-Methyl-2-Pentanone	10.448	43	1010234	120.136	ug/l	94
59) 2-Hexanone	11.195	43	766947	128.389	ug/l	94
61) Tetrachloroethene	11.101	164	106564	16.216	ug/l	92
62) Toluene	10.631	91	629943	21.962	ug/l	100
64) Chlorobenzene	11.895	112	368154	21.805	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.960	131	133585	21.065	ug/l	97
66) Ethyl Benzene	11.966	91	693675	22.275	ug/l	100
67) m/p-Xylenes	12.072	106	527725	44.737	ug/l	92
68) o-Xylene	12.401	106	257385	22.349	ug/l	96
69) Styrene	12.413	104	414842	22.210	ug/l	97
70) Isopropylbenzene	12.701	105	673889	22.489	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.942	83	205728	22.770	ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	163073m	19.675	ug/l	
73) Bromobenzene	12.983	156	141209	20.882	ug/l	88
74) n-propylbenzene	13.036	91	793627	22.438	ug/l	98
75) 2-Chlorotoluene	13.130	91	484015	22.128	ug/l	95
76) 1,3,5-Trimethylbenzene	13.177	105	575872	22.203	ug/l	93
77) t-1,4-Dichloro-2-butene	12.736	75	62693	24.779	ug/l	97
78) 4-Chlorotoluene	13.224	91	464413	22.025	ug/l	93
79) tert-butylbenzene	13.442	119	478833	22.077	ug/l	95
80) 1,2,4-Trimethylbenzene	13.483	105	563052	22.090	ug/l	95
81) sec-Butylbenzene	13.619	105	685925	22.104	ug/l	99
82) p-Isopropyltoluene	13.730	119	568512	22.667	ug/l	97
83) 1,3-Dichlorobenzene	13.736	146	265326	21.206	ug/l	97
84) 1,4-Dichlorobenzene	13.813	146	260282	21.416	ug/l	96
85) n-Butylbenzene	14.060	91	488921	22.998	ug/l	97
86) Hexachloroethane	14.336	117	100758	22.500	ug/l	96
87) 1,2-Dichlorobenzene	14.107	146	263180	21.094	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.724	75	39261	22.311	ug/l	95
89) 1,2,4-Trichlorobenzene	15.395	180	131617	19.775	ug/l	98
90) Hexachlorobutadiene	15.507	225	67868	19.342	ug/l	95
91) Naphthalene	15.642	128	440775	20.880	ug/l	98
92) 1,2,3-Trichlorobenzene	15.842	180	131029	19.638	ug/l	98

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

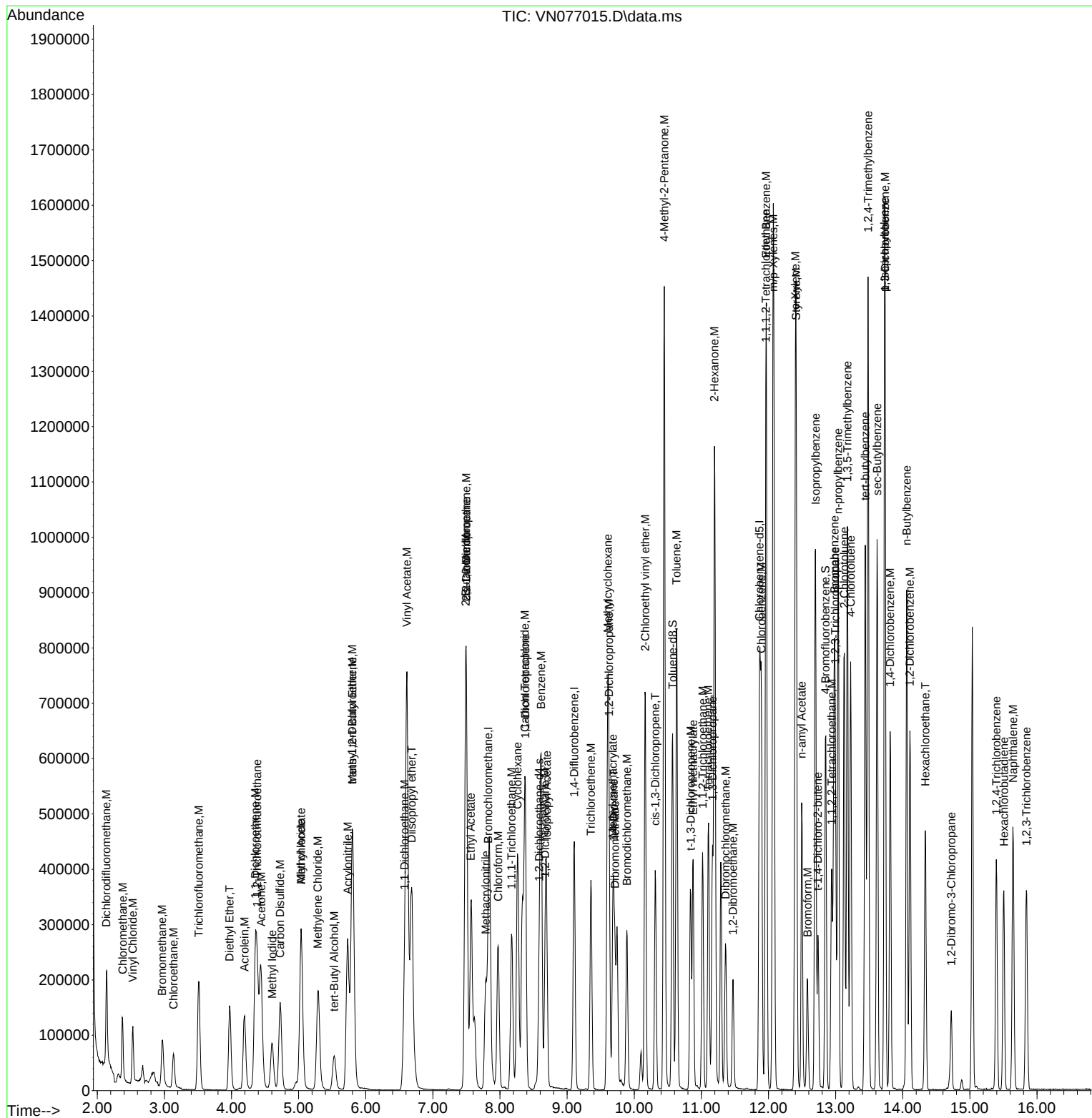
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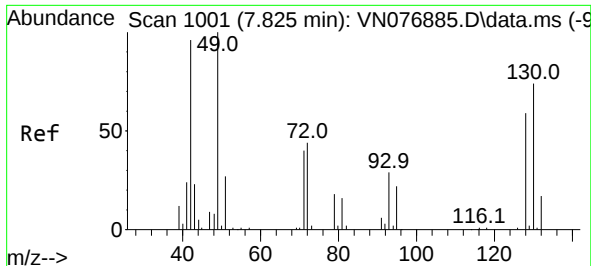
Instrument :
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ClientSampleId :
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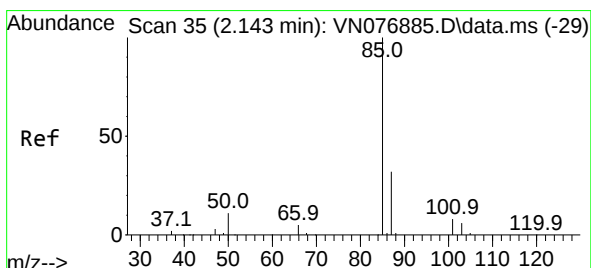
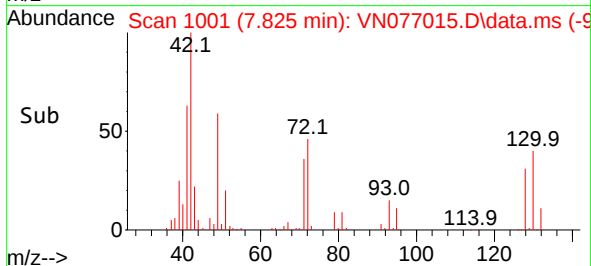
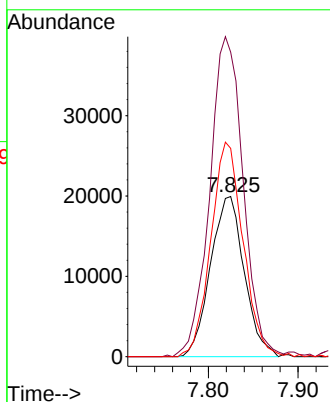
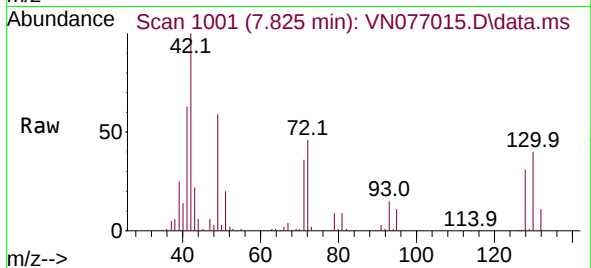
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Instrument :
MSVOA_N
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VN0316WBS01

Tgt Ion:128 Resp: 52004
Ion Ratio Lower Upper
128 100
49 198.2 0.0 461.8
130 128.2 0.0 295.3

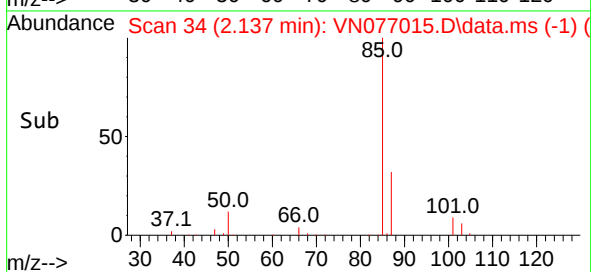
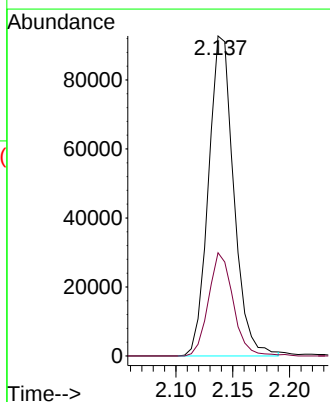
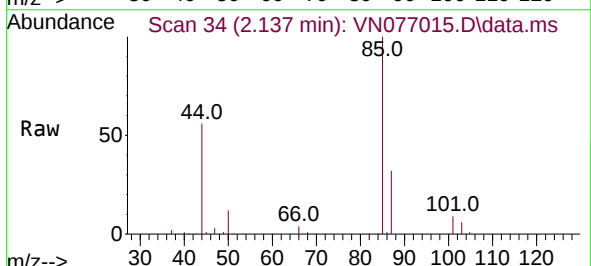
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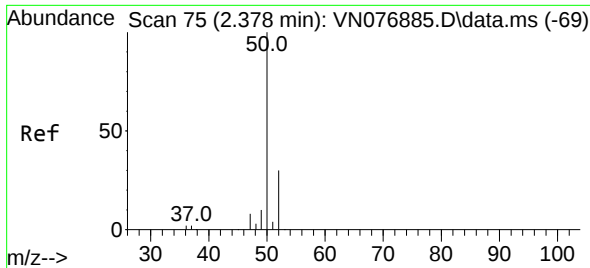
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#2
Dichlorodifluoromethane
Concen: 21.597 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

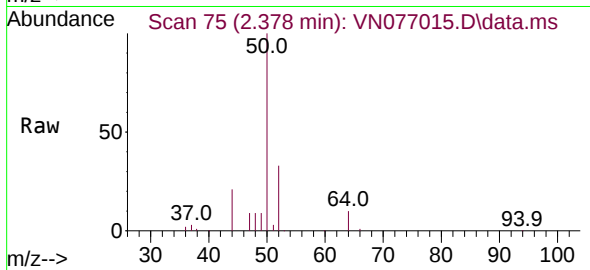
Tgt Ion: 85 Resp: 143726
Ion Ratio Lower Upper
85 100
87 32.3 15.4 46.1





#3
Chloromethane
Concen: 16.426 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

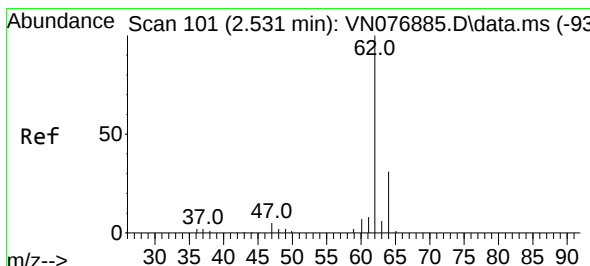
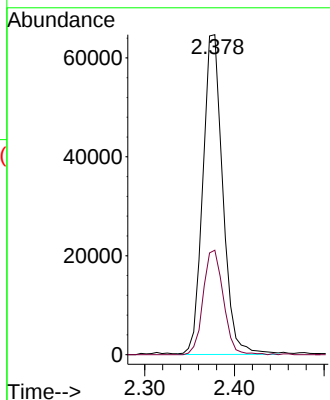
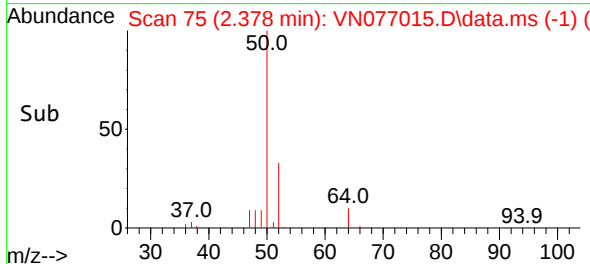
Instrument :
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Tgt Ion: 50 Resp: 9991
Ion Ratio Lower Upper
50 100
52 32.8 25.3 37.9

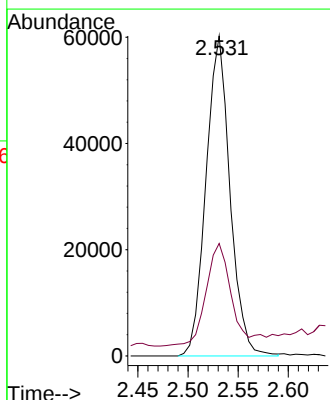
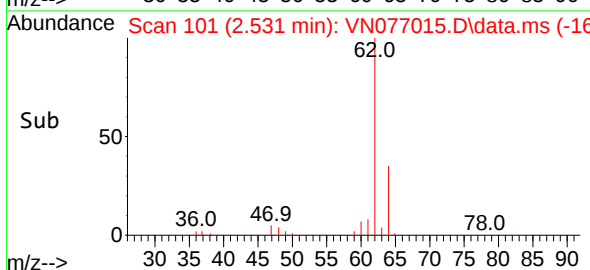
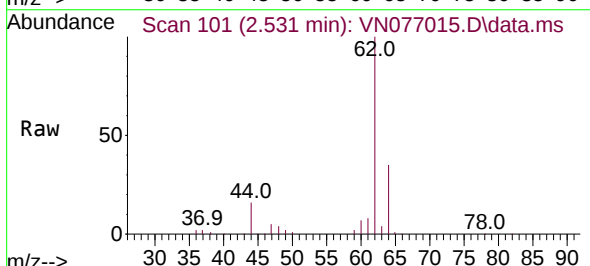
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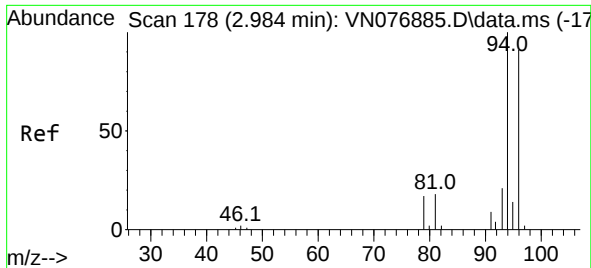
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#4
Vinyl Chloride
Concen: 18.060 ug/l
RT: 2.531 min Scan# 101
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Tgt Ion: 62 Resp: 100171
Ion Ratio Lower Upper
62 100
64 31.4 23.1 34.7





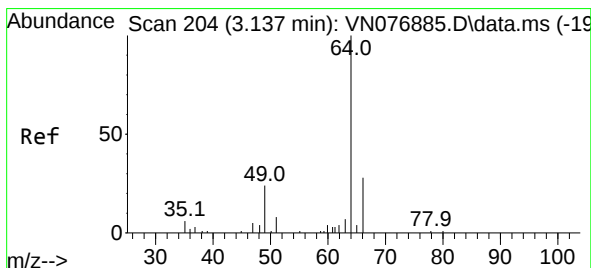
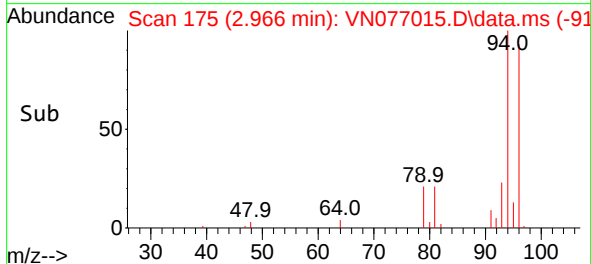
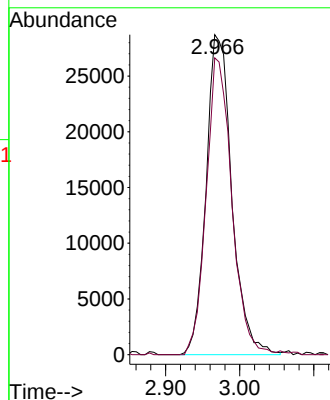
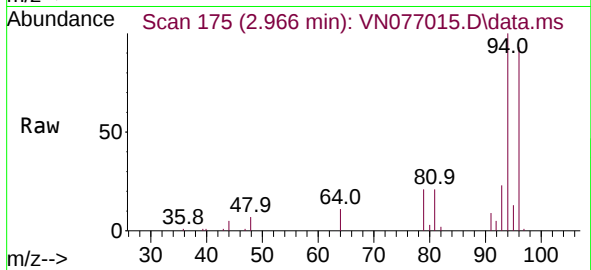
#5
Bromomethane
Concen: 19.565 ug/l
RT: 2.966 min Scan# 175
Delta R.T. -0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Instrument :
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Tgt Ion: 94 Resp: 69390
Ion Ratio Lower Upper
94 100
96 92.7 68.6 103.0

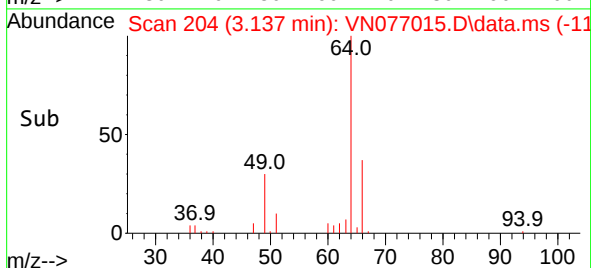
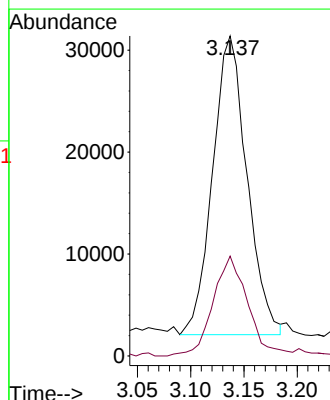
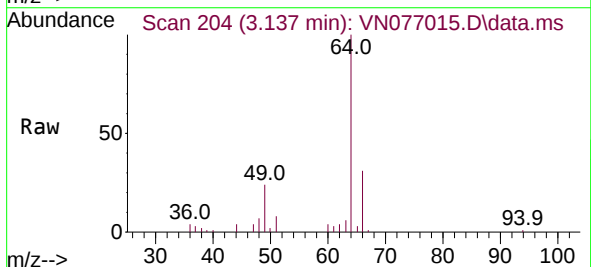
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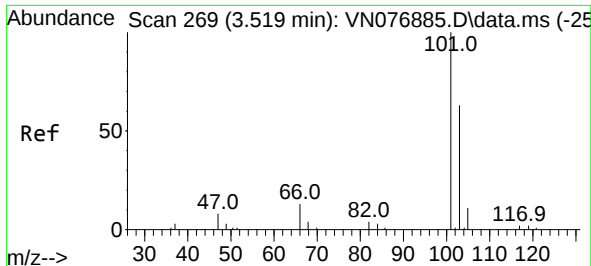
Reviewed By :John Carlone 03/17/2023
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#6
Chloroethane
Concen: 20.140 ug/l
RT: 3.137 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Tgt Ion: 64 Resp: 65641
Ion Ratio Lower Upper
64 100
66 32.5 23.8 35.6





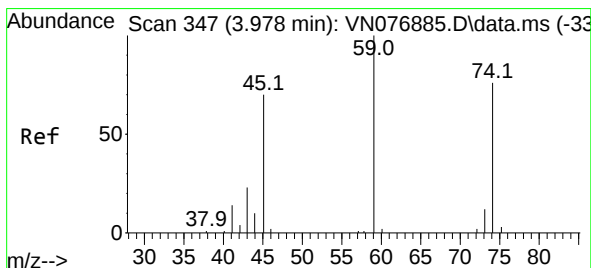
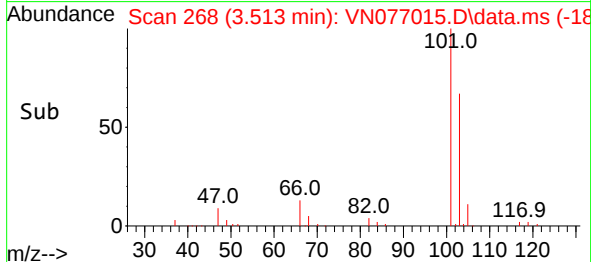
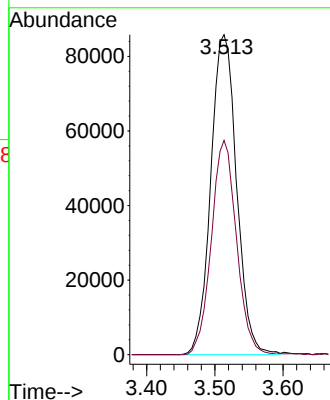
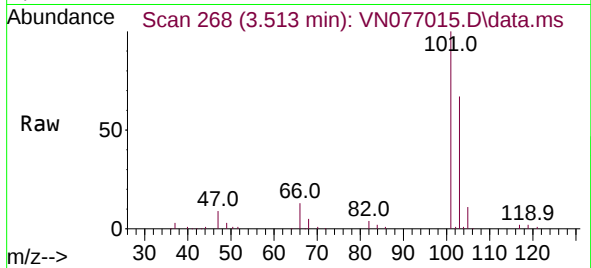
#7
 Trichlorofluoromethane
 Concen: 21.836 ug/l
 RT: 3.513 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN077015.D
 Acq: 16 Mar 2023 11:52

Instrument :
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Tgt Ion:101 Resp: 22626
 Ion Ratio Lower Upper
 101 100
 103 67.0 50.2 75.2

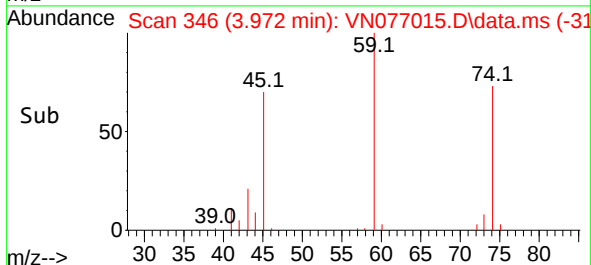
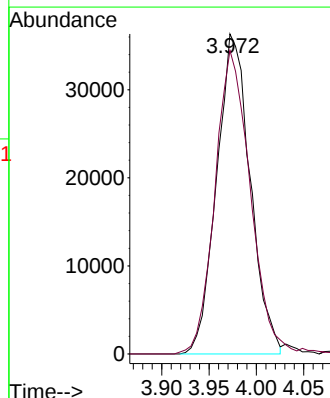
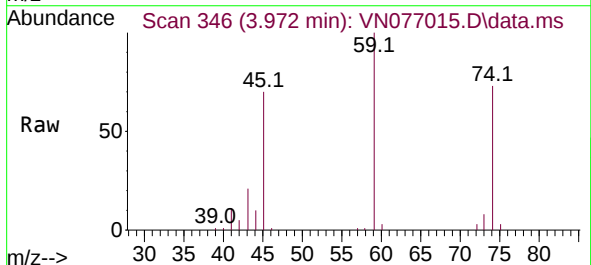
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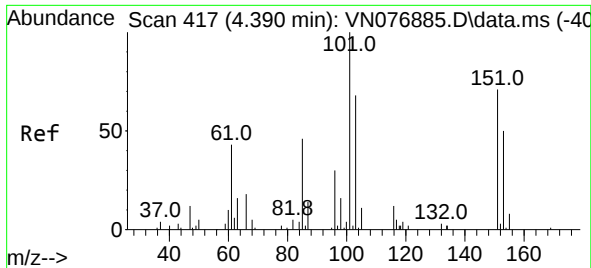
Reviewed By :John Carlone 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023



#8
 Diethyl Ether
 Concen: 23.025 ug/l
 RT: 3.972 min Scan# 346
 Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 89472
 Ion Ratio Lower Upper
 74 100
 45 99.2 21.4 193.0





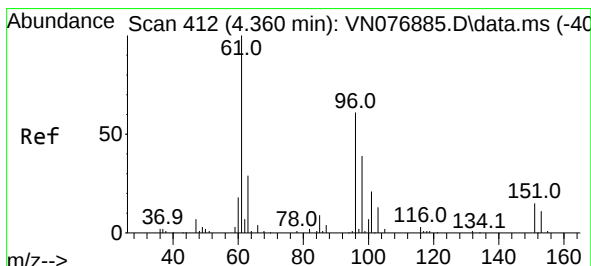
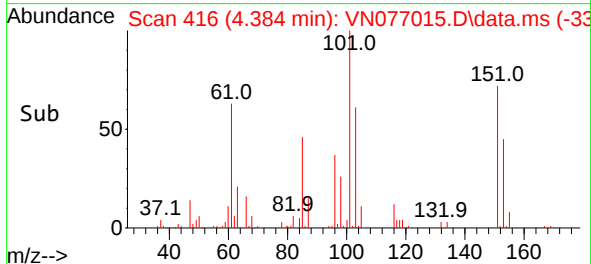
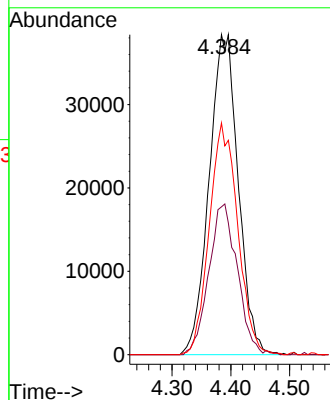
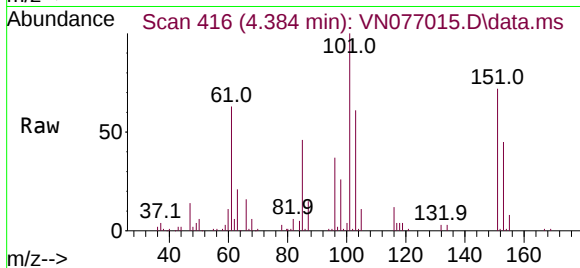
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.472 ug/l
RT: 4.384 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tgt Ion:101 Resp: 13191
Ion Ratio Lower Upper
101 100
85 46.0 0.0 95.2
151 70.8 0.0 142.2

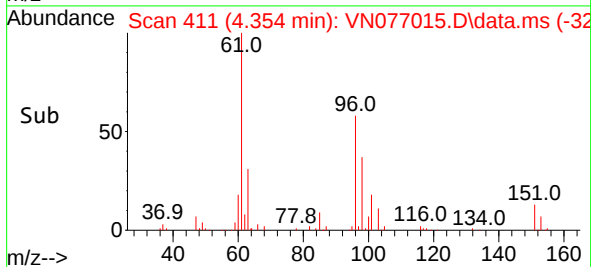
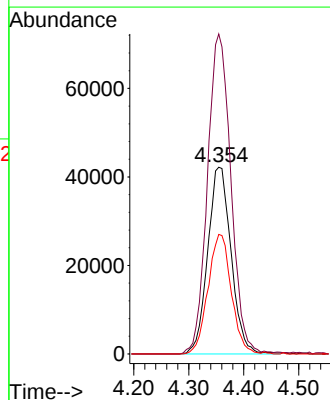
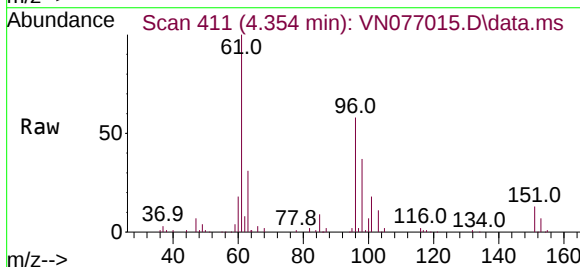
Manual Integrations
APPROVED

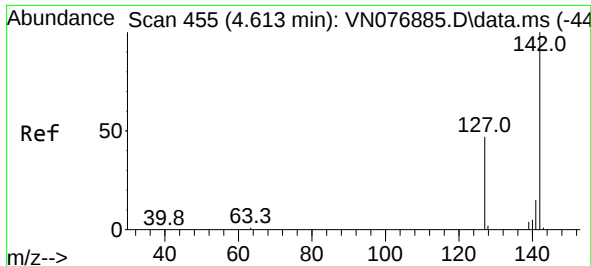
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#10
1,1-Dichloroethene
Concen: 21.917 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

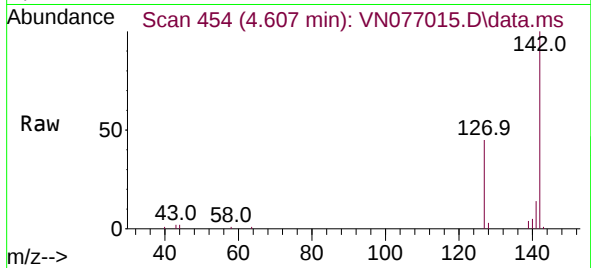
Tgt Ion: 96 Resp: 124877
Ion Ratio Lower Upper
96 100
61 171.3 137.1 205.7
98 64.0 53.2 79.8





#11
Methyl Iodide
Concen: 22.996 ug/l
RT: 4.607 min Scan# 454
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

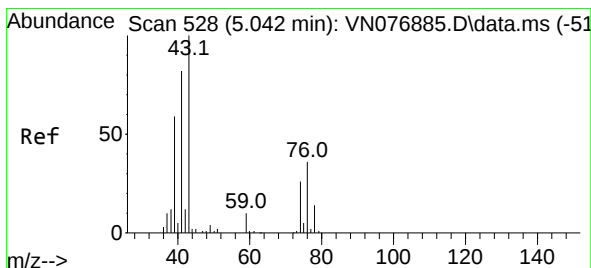
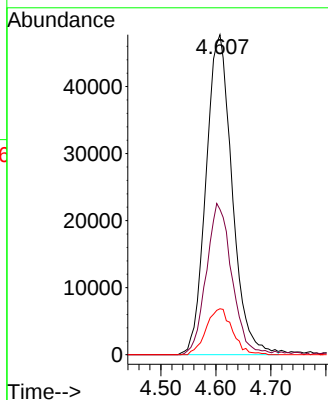
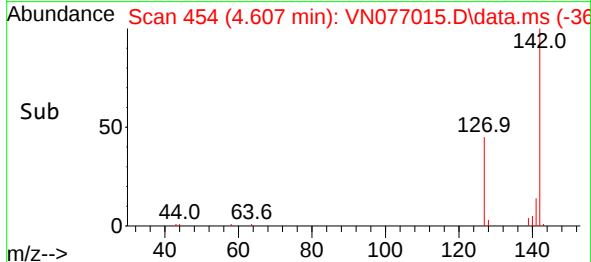
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



Tgt Ion:142 Resp: 157878
Ion Ratio Lower Upper
142 100
127 45.3 25.0 75.0
141 14.4 8.0 24.0

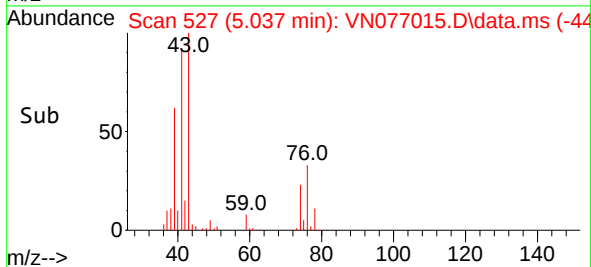
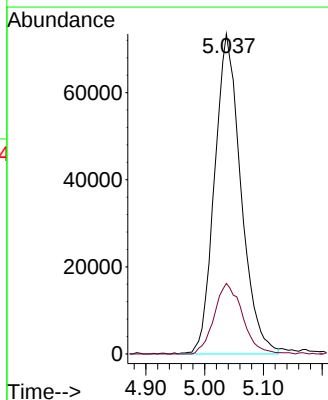
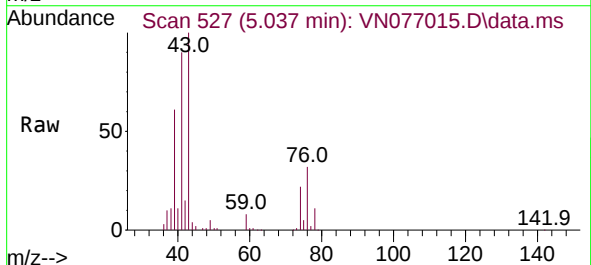
Manual Integrations
APPROVED

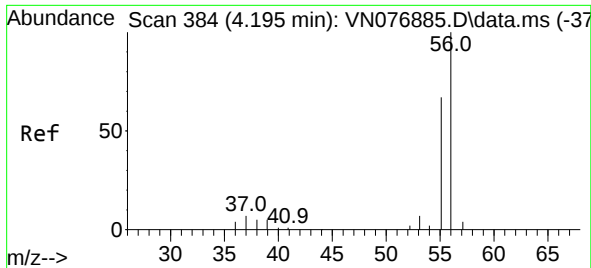
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#12
Methyl Acetate
Concen: 24.428 ug/l
RT: 5.037 min Scan# 527
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

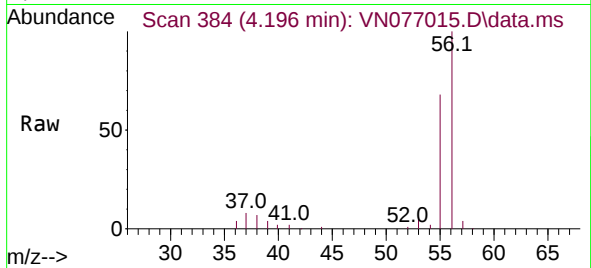
Tgt Ion: 43 Resp: 228916
Ion Ratio Lower Upper
43 100
74 22.0 19.0 28.4





#13
Acrolein
Concen: 131.670 ug/l
RT: 4.196 min Scan# 384
Delta R.T. 0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

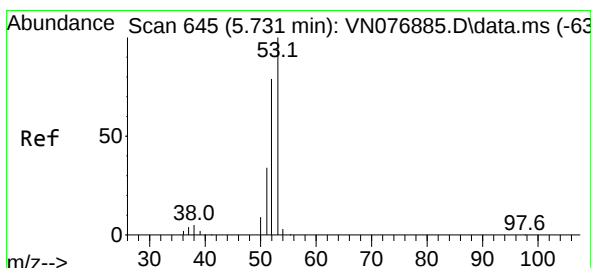
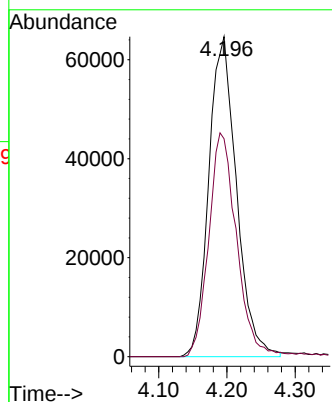
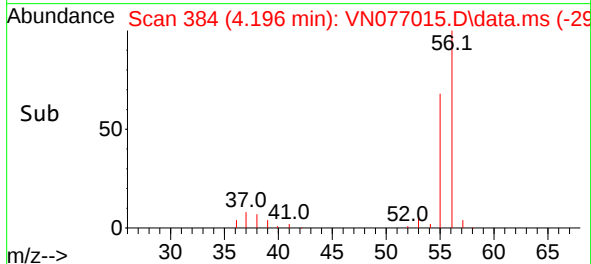
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



Tgt Ion: 56 Resp: 182410
Ion Ratio Lower Upper
56 100
55 70.2 55.0 82.4

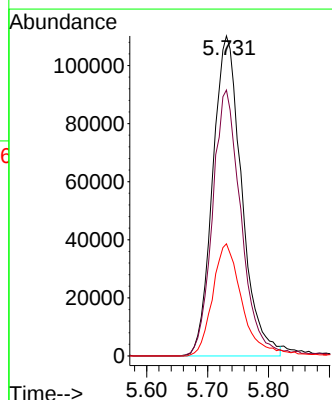
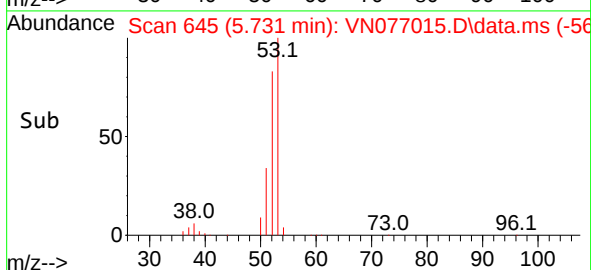
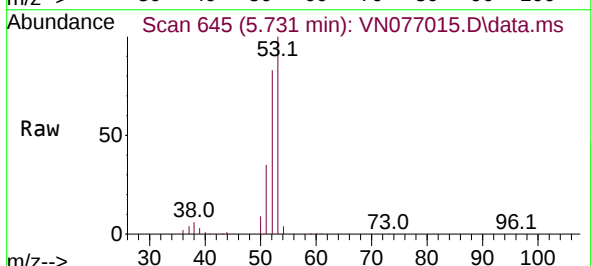
Manual Integrations
APPROVED

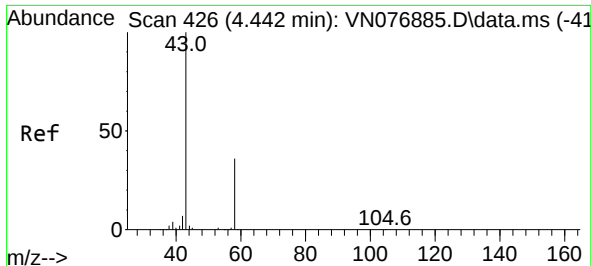
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#14
Acrylonitrile
Concen: 117.899 ug/l
RT: 5.731 min Scan# 645
Delta R.T. -0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

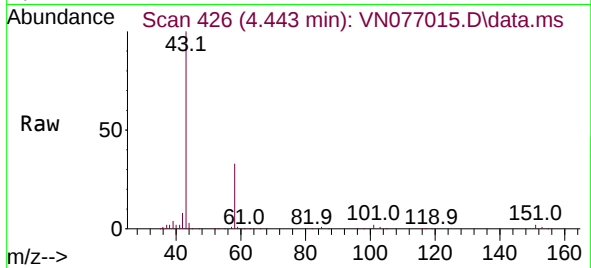
Tgt Ion: 53 Resp: 363962
Ion Ratio Lower Upper
53 100
52 81.5 41.5 124.6
51 35.5 17.6 52.8





#15
Acetone
Concen: 152.615 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

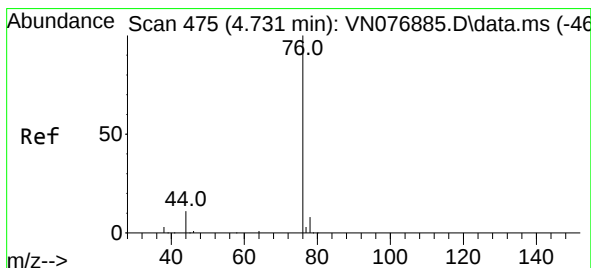
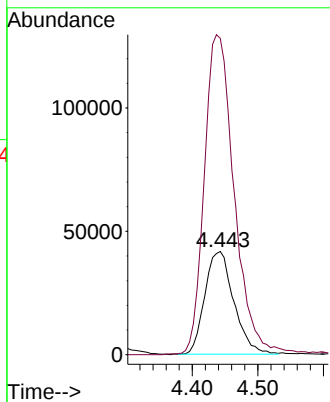
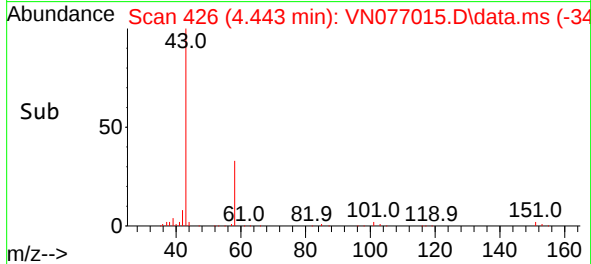
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



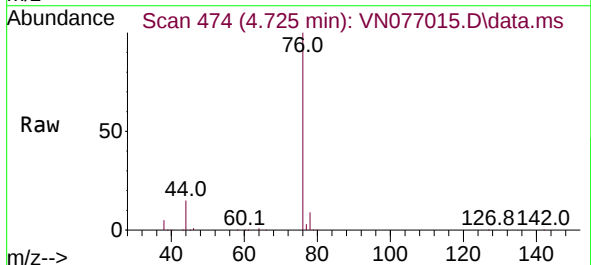
Tgt Ion: 58 Resp: 128219
Ion Ratio Lower Upper
58 100
43 307.0 255.4 383.0

Manual Integrations
APPROVED

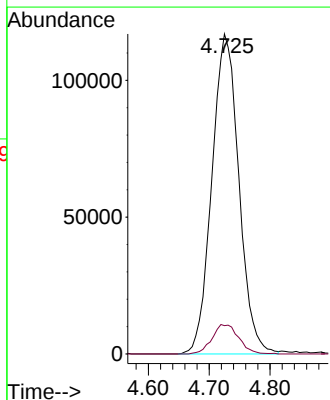
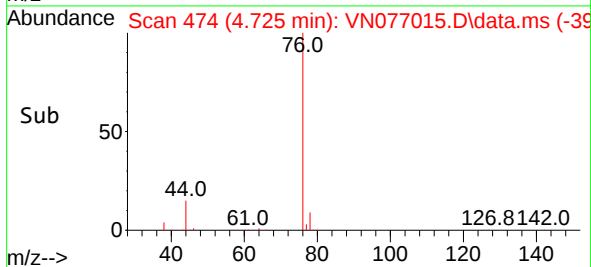
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

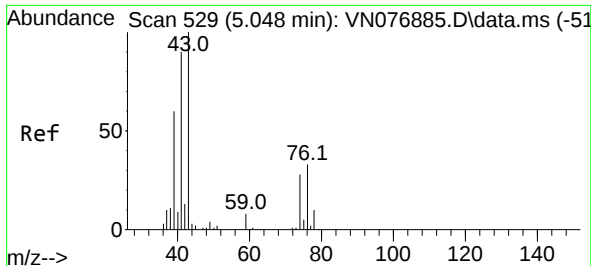


#16
Carbon Disulfide
Concen: 22.790 ug/l
RT: 4.725 min Scan# 474
Delta R.T. -0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52



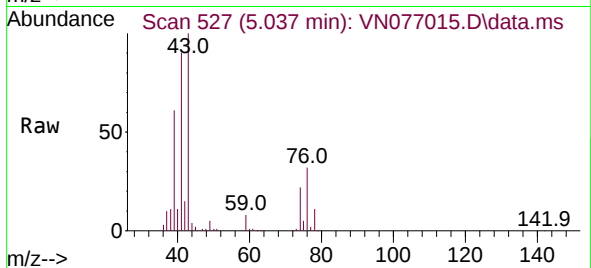
Tgt Ion: 76 Resp: 360041
Ion Ratio Lower Upper
76 100
78 8.8 6.6 9.8





#17
 Allyl chloride
 Concen: 25.866 ug/l
 RT: 5.037 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN077015.D
 Acq: 16 Mar 2023 11:52

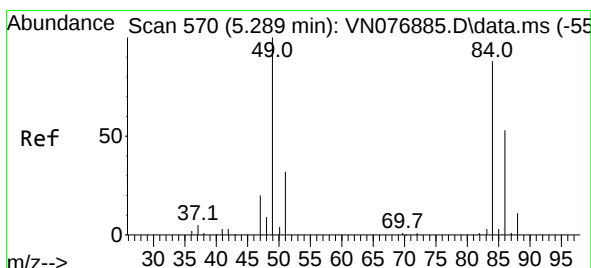
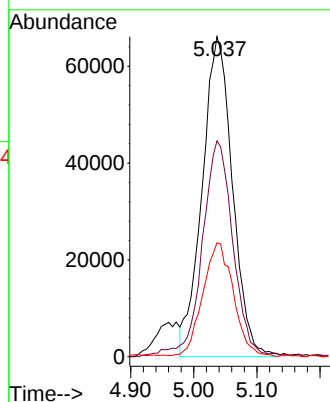
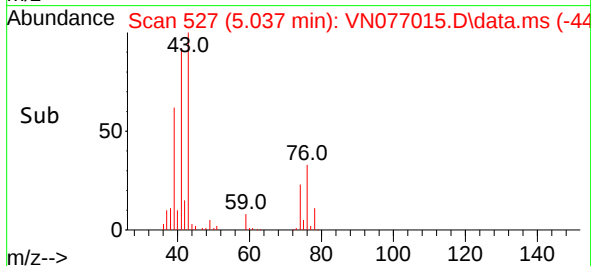
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01



Tgt Ion: 41 Resp: 221049
 Ion Ratio Lower Upper
 41 100
 39 67.2 34.8 104.3
 76 35.4 17.5 52.5

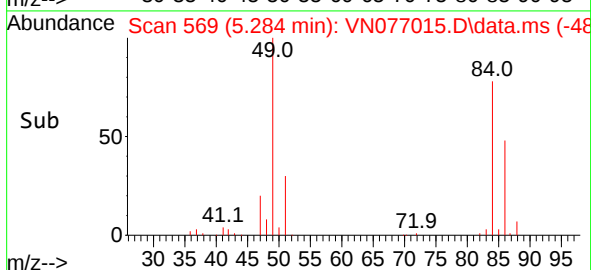
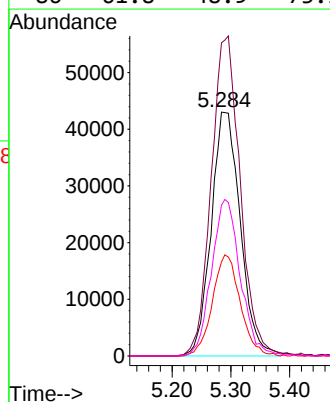
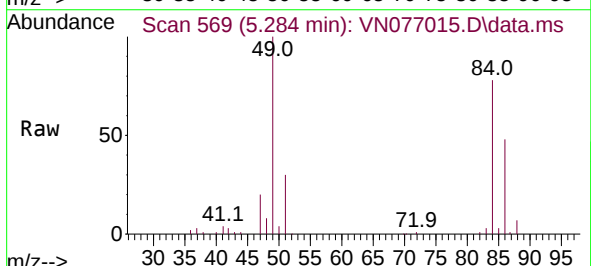
Manual Integrations
 APPROVED

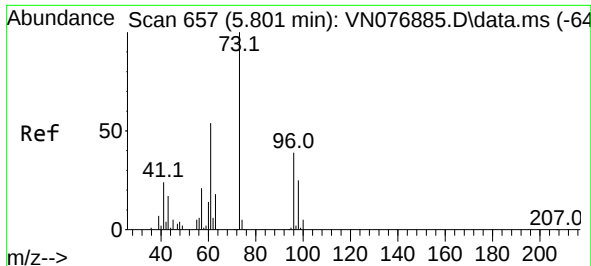
Reviewed By :John Carlone 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023



#18
 Methylene Chloride
 Concen: 22.183 ug/l
 RT: 5.284 min Scan# 569
 Delta R.T. -0.011 min
 Lab File: VN077015.D
 Acq: 16 Mar 2023 11:52

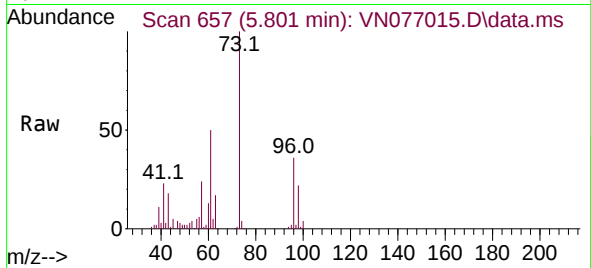
Tgt Ion: 84 Resp: 147838
 Ion Ratio Lower Upper
 84 100
 49 128.0 113.8 170.6
 51 38.5 34.2 51.4
 86 61.8 48.9 73.3





#19
trans-1,2-Dichloroethene
Concen: 22.834 ug/l
RT: 5.801 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

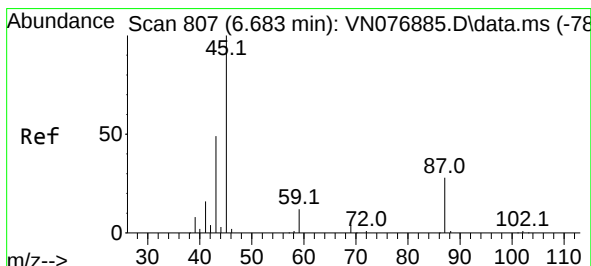
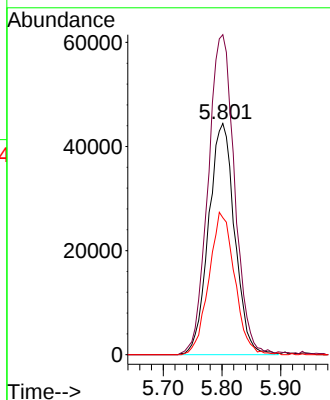
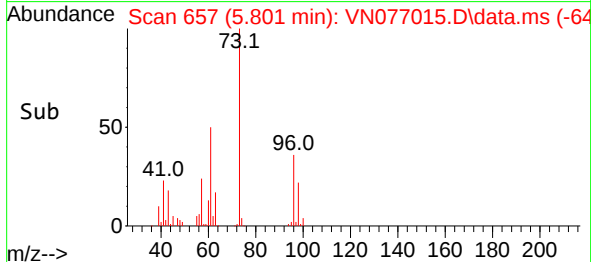
Instrument :
MSVOA_N
Client Sample Id :
VN0316WBS01



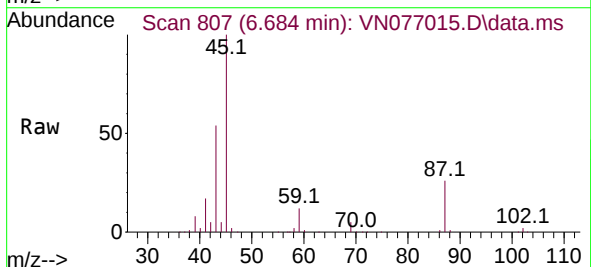
Tgt Ion: 96 Resp: 137085
Ion Ratio Lower Upper
96 100
61 138.4 111.0 166.4
98 59.3 55.0 82.6

Manual Integrations
APPROVED

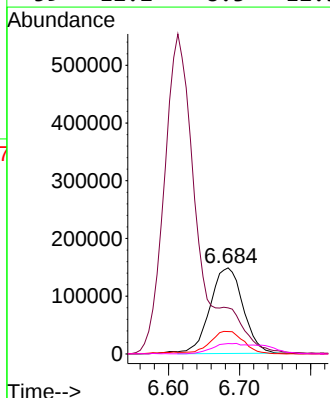
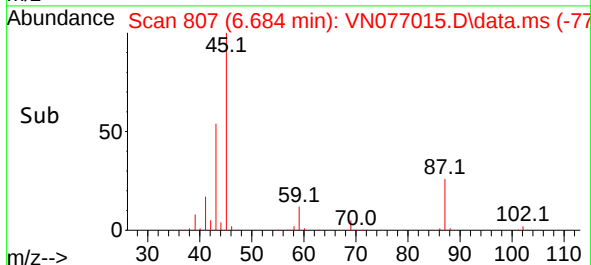
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

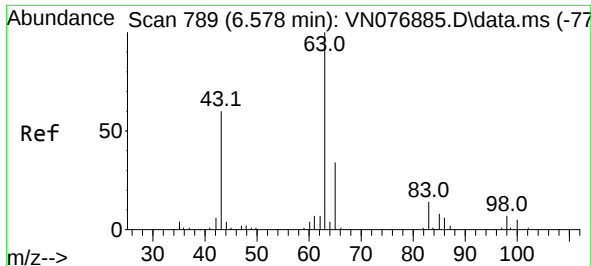


#20
Diisopropyl ether
Concen: 24.794 ug/l
RT: 6.684 min Scan# 807
Delta R.T. -0.005 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52



Tgt Ion: 45 Resp: 478004
Ion Ratio Lower Upper
45 100
43 50.3 38.6 58.0
87 25.8 20.1 30.1
59 12.2 8.3 12.5





#21

1,1-Dichloroethane

Concen: 23.876 ug/l

RT: 6.578 min Scan# 789

Delta R.T. -0.000 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tgt Ion: 63 Resp: 27391

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

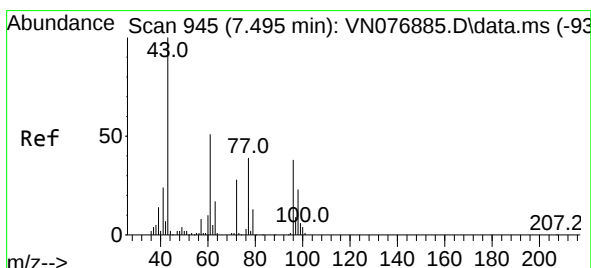
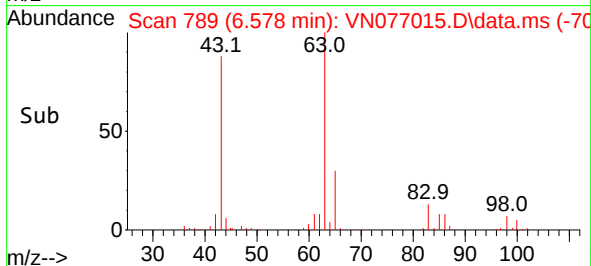
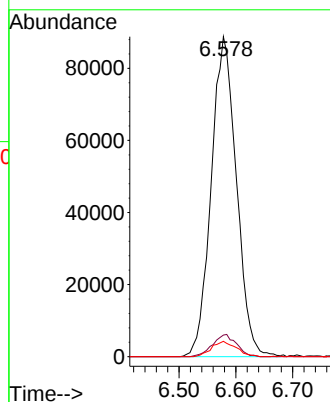
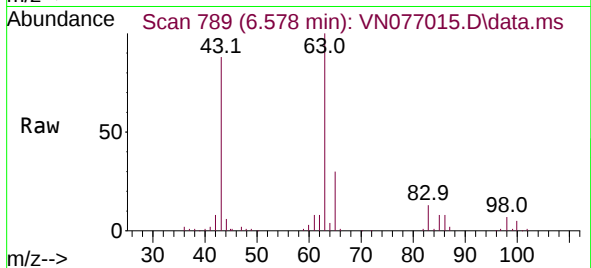
100 4.8 2.6 7.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#22

cis-1,2-Dichloroethene

Concen: 22.280 ug/l

RT: 7.495 min Scan# 945

Delta R.T. 0.000 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

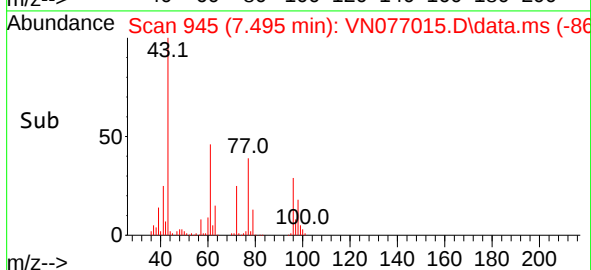
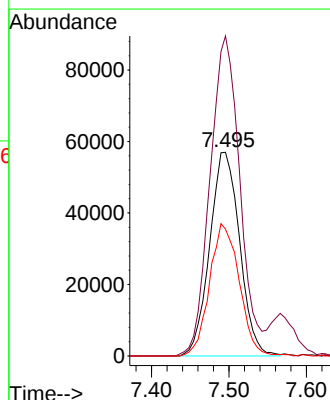
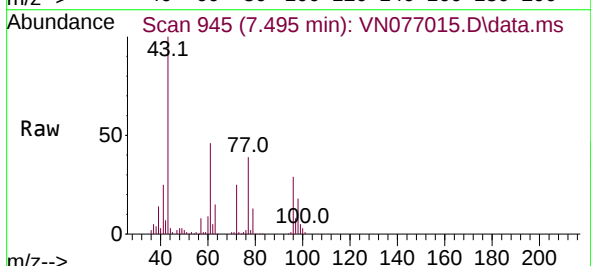
Tgt Ion: 96 Resp: 153292

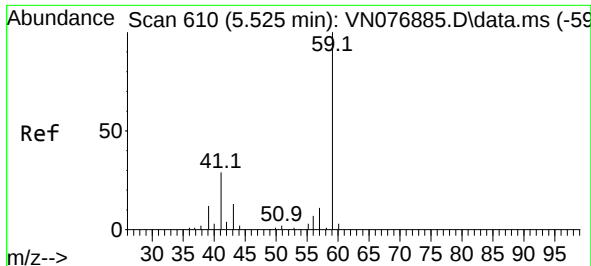
Ion Ratio Lower Upper

96 100

61 155.7 121.0 181.4

98 64.2 50.1 75.1





#23

tert-Butyl Alcohol

Concen: 126.423 ug/l

RT: 5.531 min Scan# 610

Delta R.T. -0.000 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tgt Ion: 59 Resp: 113340

Ion Ratio Lower Upper

59 100

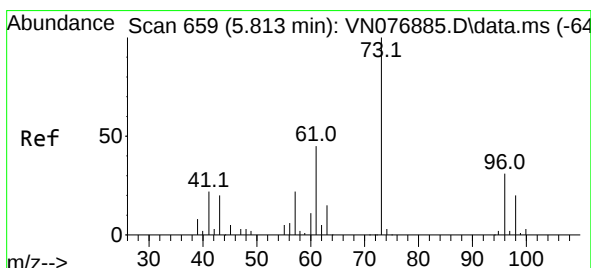
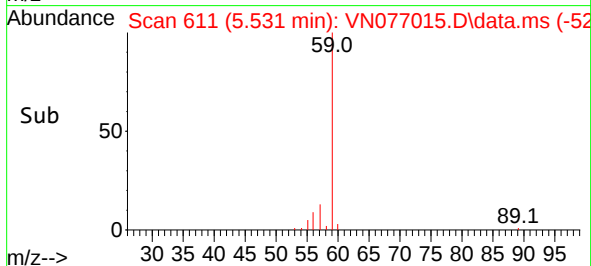
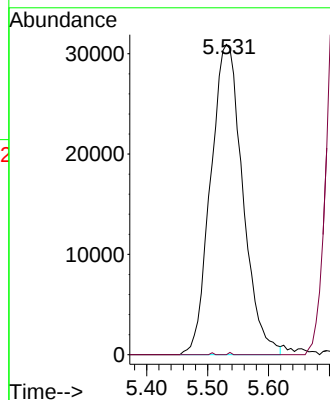
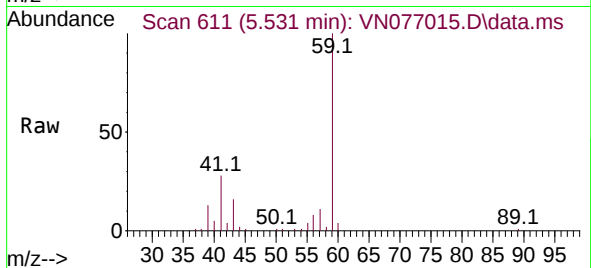
52 0.0 0.2 0.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#24

Methyl tert-Butyl Ether

Concen: 23.458 ug/l

RT: 5.801 min Scan# 657

Delta R.T. -0.006 min

Lab File: VN077015.D

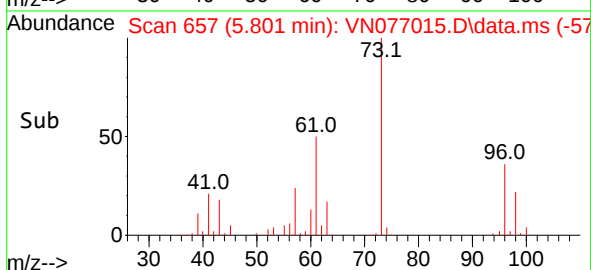
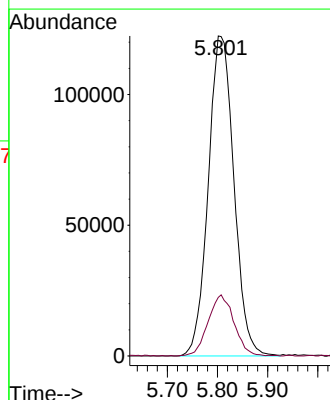
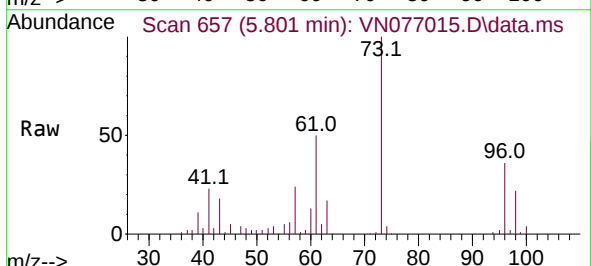
Acq: 16 Mar 2023 11:52

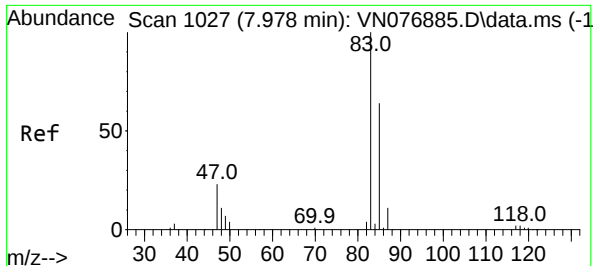
Tgt Ion: 73 Resp: 435768

Ion Ratio Lower Upper

73 100

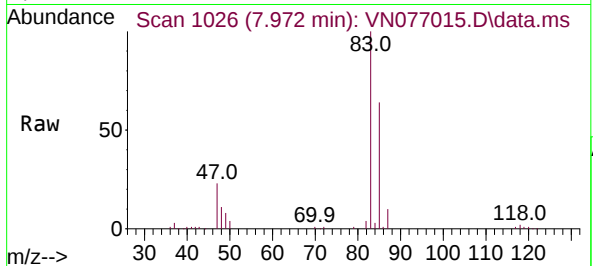
43 19.2 17.8 26.6





#25
Chloroform
Concen: 22.364 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

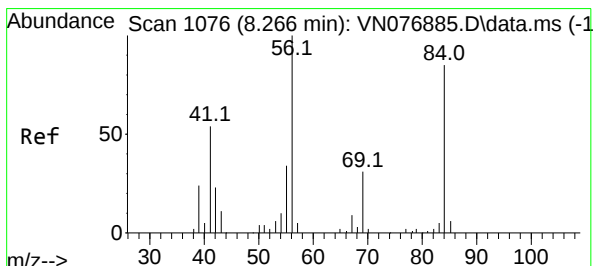
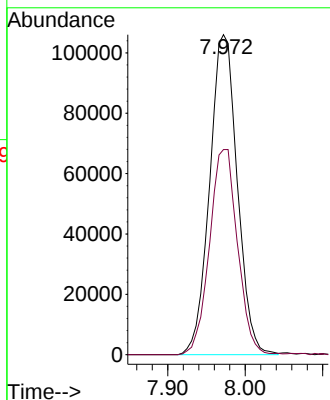
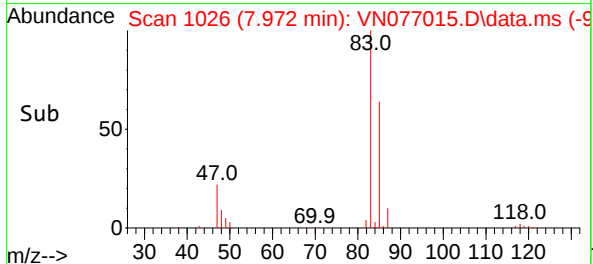
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



Tgt Ion: 83 Resp: 26357
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.6

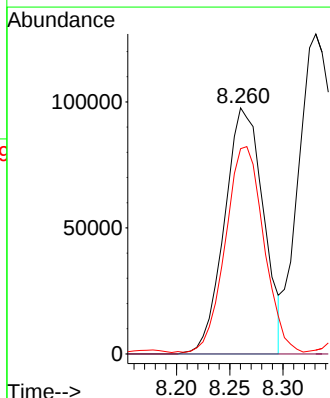
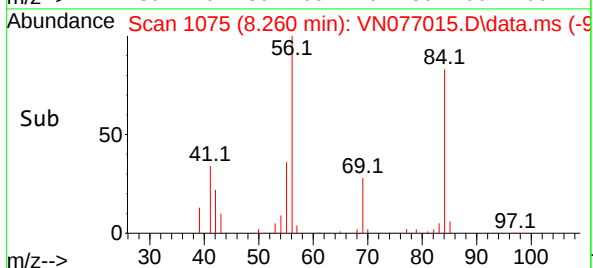
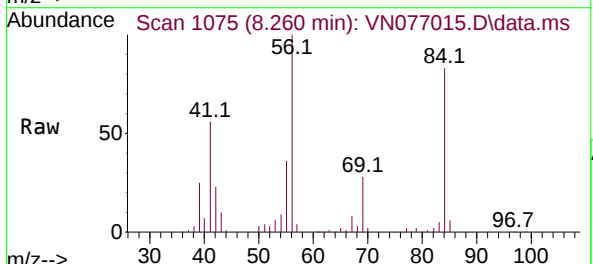
Manual Integrations
APPROVED

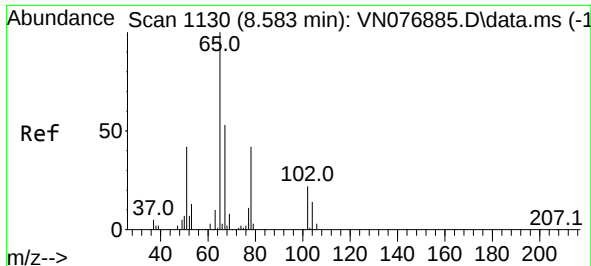
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#26
Cyclohexane
Concen: 23.701 ug/l
RT: 8.260 min Scan# 1075
Delta R.T. -0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

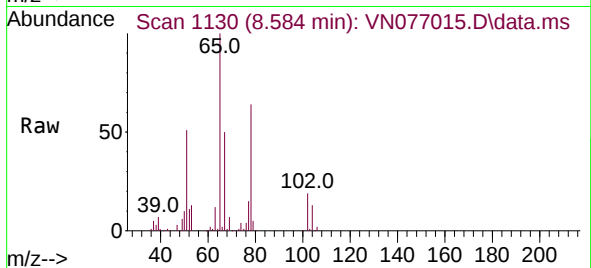
Tgt Ion: 56 Resp: 248267
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 83.7 65.3 97.9





#27
1,2-Dichloroethane-d4
Concen: 32.839 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

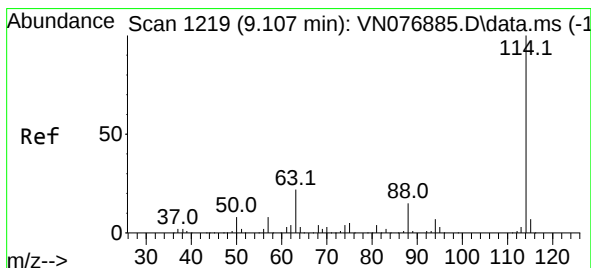
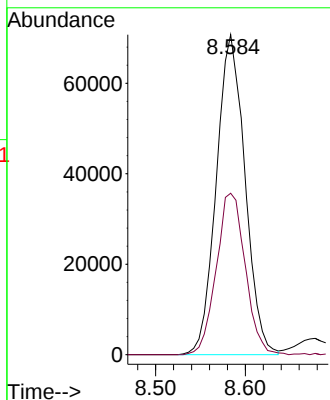
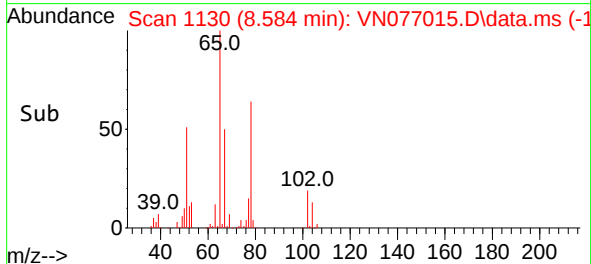
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



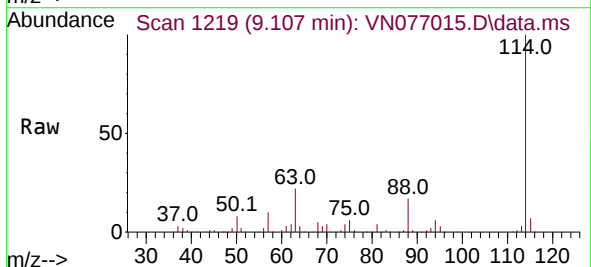
Tgt Ion: 65 Resp: 156968
Ion Ratio Lower Upper
65 100
67 50.9 40.9 61.3

Manual Integrations
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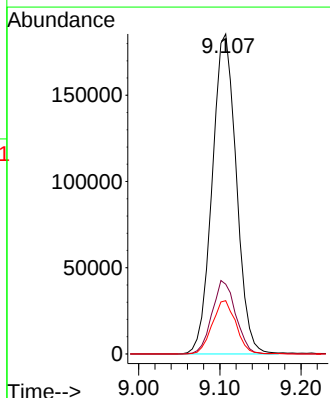
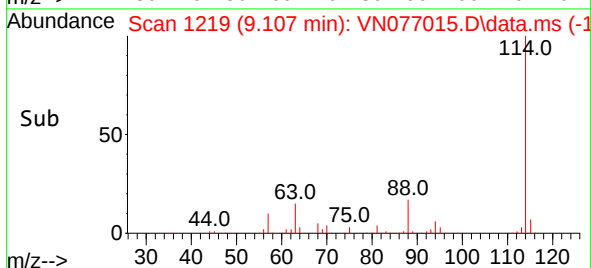
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

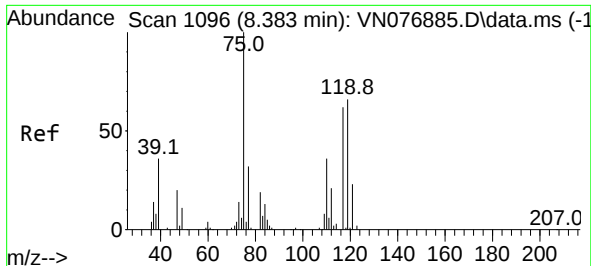


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52



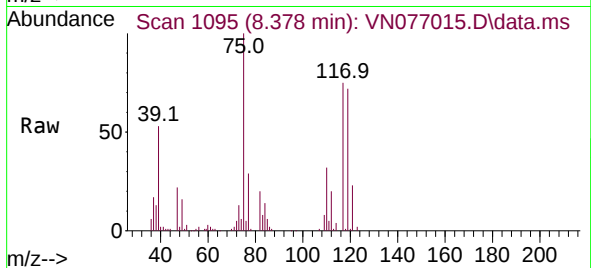
Tgt Ion:114 Resp: 383358
Ion Ratio Lower Upper
114 100
63 22.5 17.0 25.4
88 16.4 11.6 17.4





#29
1,1-Dichloropropene
Concen: 22.404 ug/l
RT: 8.378 min Scan# 1095
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

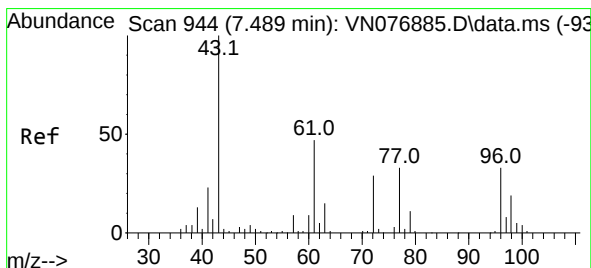
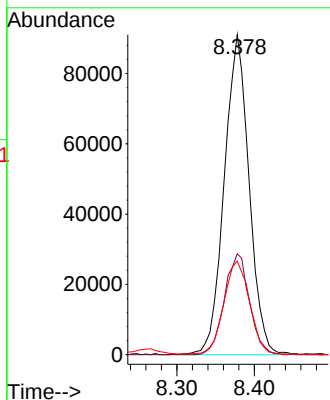
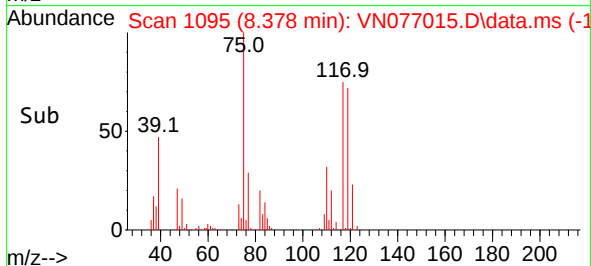
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



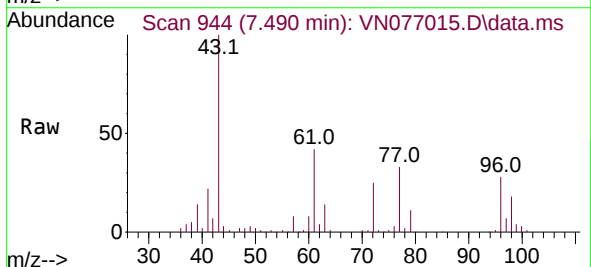
Tgt Ion: 75 Resp: 202300
Ion Ratio Lower Upper
75 100
110 31.8 0.0 67.2
77 30.7 0.0 64.4

Manual Integrations
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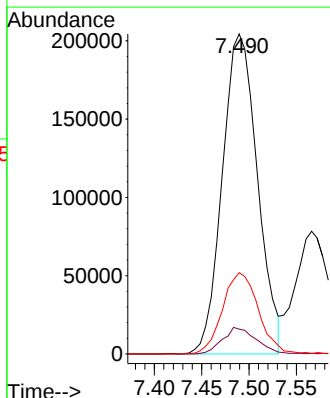
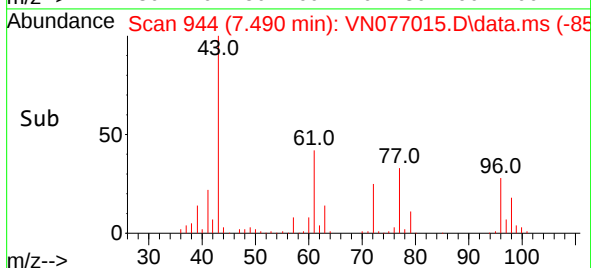
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

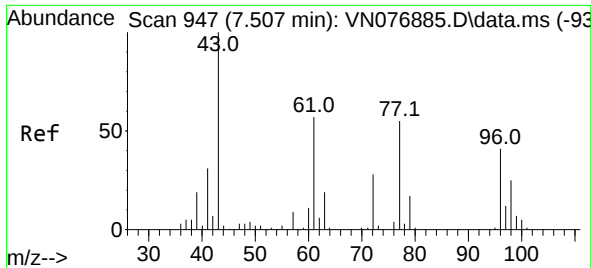


#30
2-Butanone
Concen: 128.349 ug/l
RT: 7.490 min Scan# 944
Delta R.T. 0.001 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52



Tgt Ion: 43 Resp: 528750
Ion Ratio Lower Upper
43 100
57 7.9 6.1 9.1
72 25.9 20.2 30.4





#31

2,2-Dichloropropane

Concen: 24.041 ug/l

RT: 7.495 min Scan# 947

Delta R.T. -0.006 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tgt Ion: 77 Resp: 215074

Ion Ratio Lower Upper

77 100

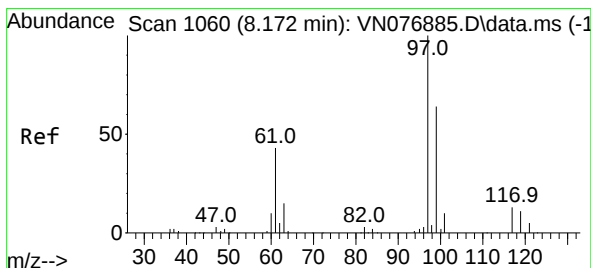
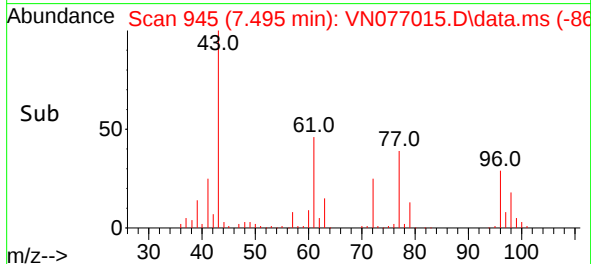
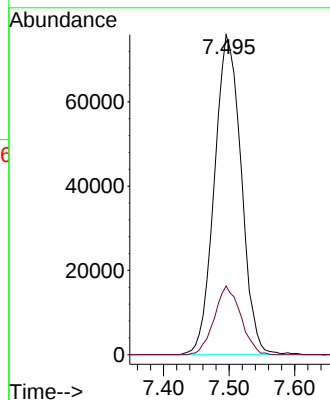
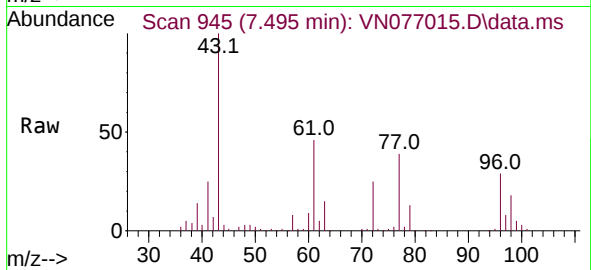
97 21.2 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#32

1,1,1-Trichloroethane

Concen: 21.691 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.006 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

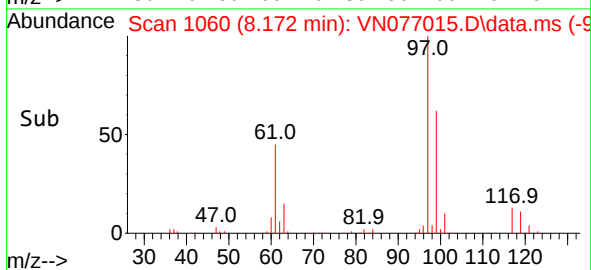
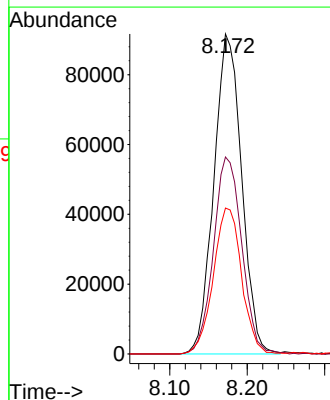
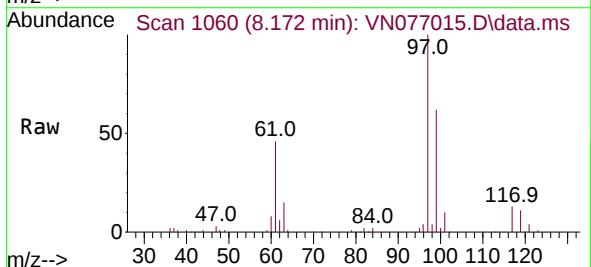
Tgt Ion: 97 Resp: 228459

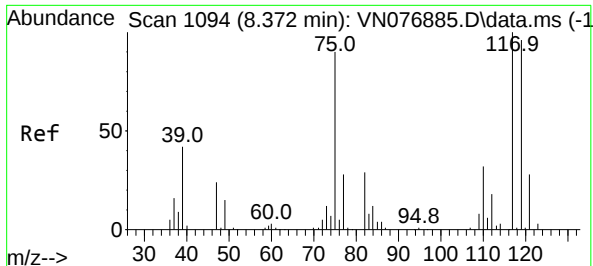
Ion Ratio Lower Upper

97 100

99 62.7 51.8 77.8

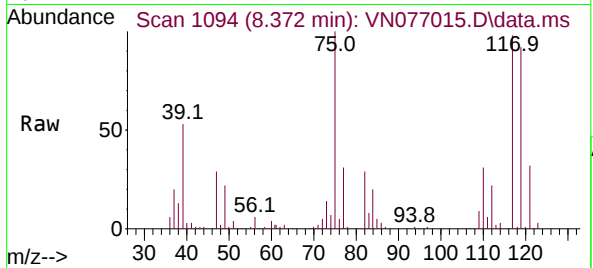
61 46.4 39.3 58.9





#33
Carbon Tetrachloride
Concen: 21.207 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

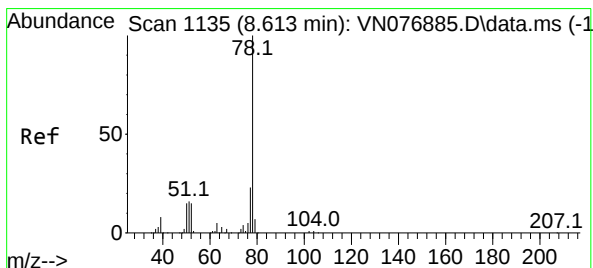
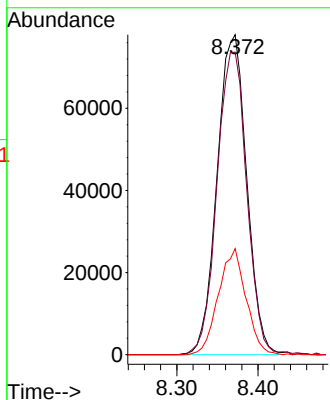
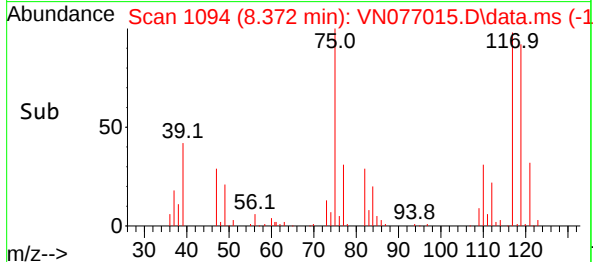
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



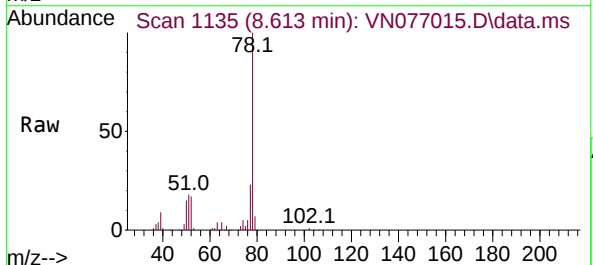
Tgt Ion: 117 Resp: 19749
Ion Ratio Lower Upper
117 100
119 94.5 79.8 119.8
121 33.2 23.4 35.0

Manual Integrations
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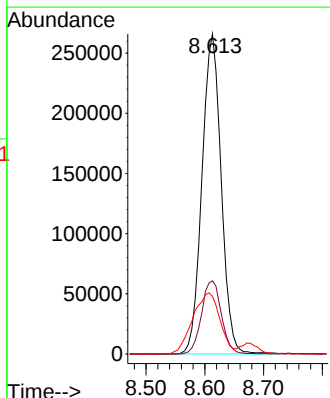
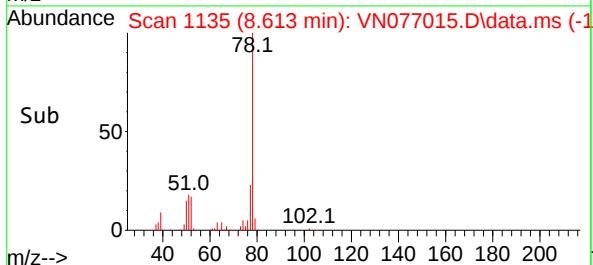
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

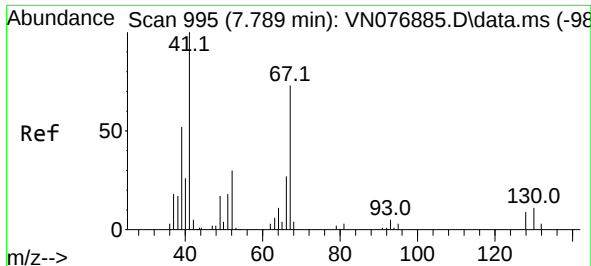


#34
Benzene
Concen: 21.752 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52



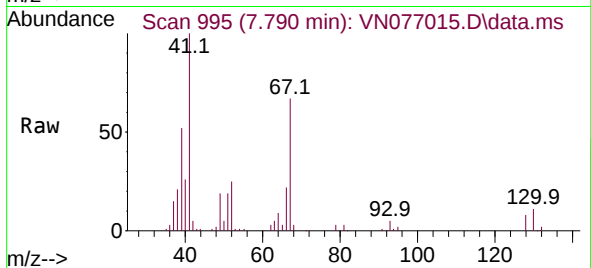
Tgt Ion: 78 Resp: 602136
Ion Ratio Lower Upper
78 100
77 22.8 17.4 26.2
51 17.9 13.8 20.6





#35
Methacrylonitrile
Concen: 24.506 ug/l
RT: 7.790 min Scan# 995
Delta R.T. 0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

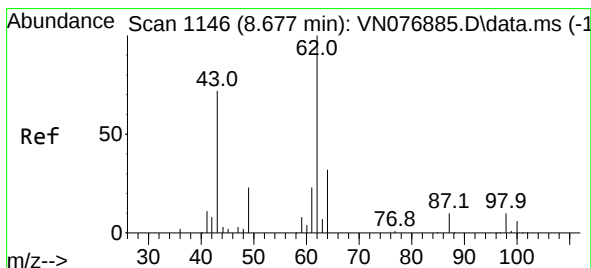
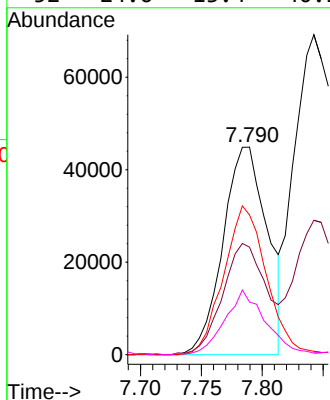
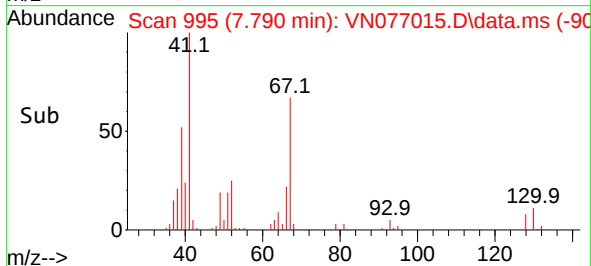
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



Tgt Ion:	41	Resp:	11359
Ion Ratio	Lower	Upper	
41	100		
39	50.9	26.6	79.7
67	67.3	32.3	96.9
52	24.6	13.4	40.1

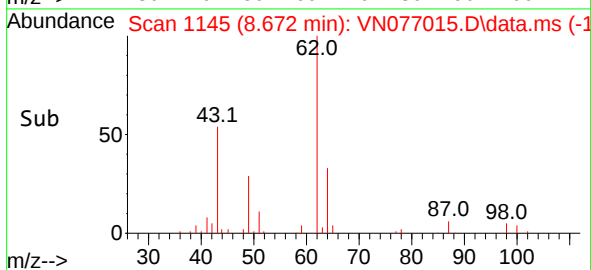
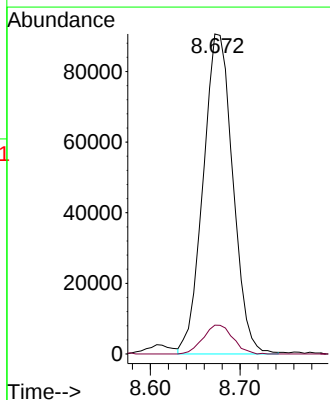
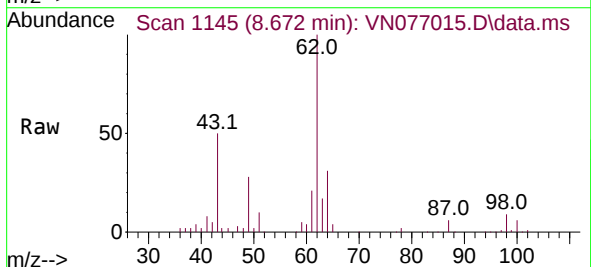
Manual Integrations
APPROVED

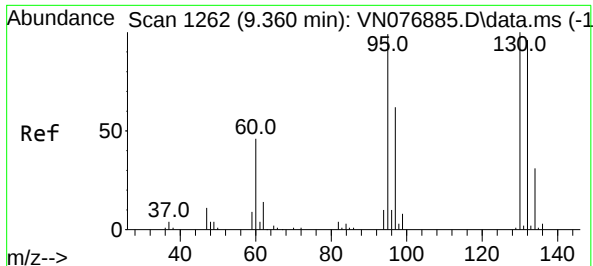
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#36
1,2-Dichloroethane
Concen: 22.444 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Tgt Ion:	62	Resp:	208253
Ion Ratio	Lower	Upper	
62	100		
98	9.0	7.4	11.0





#37

Trichloroethene

Concen: 19.116 ug/l

RT: 9.354 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tgt Ion:130 Resp: 13042

Ion Ratio Lower Upper

130 100

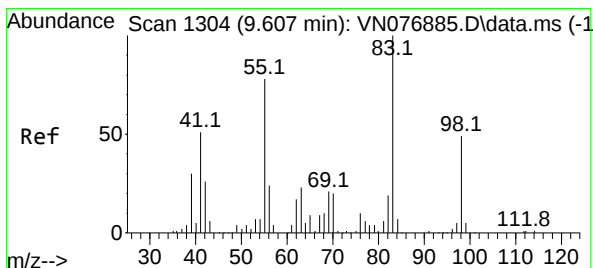
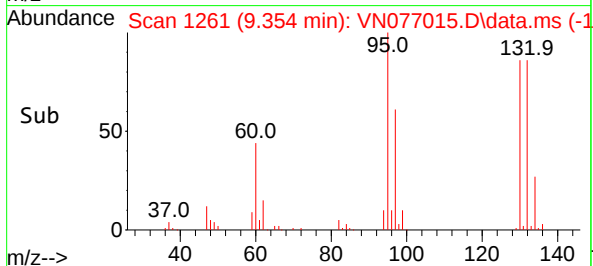
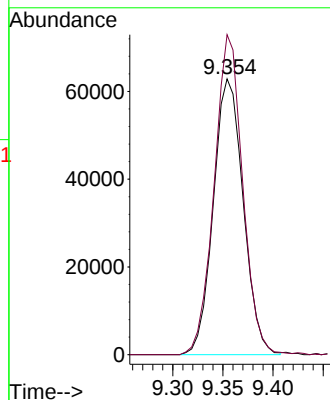
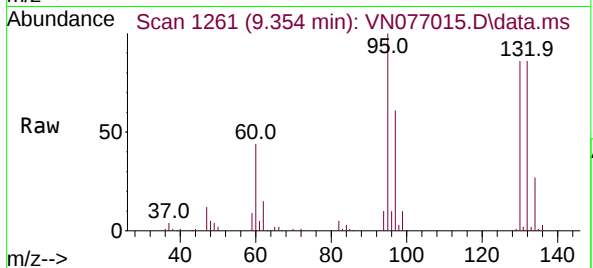
95 116.0 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#38

Methylcyclohexane

Concen: 22.430 ug/l

RT: 9.607 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

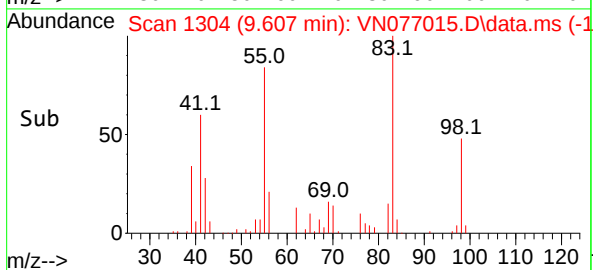
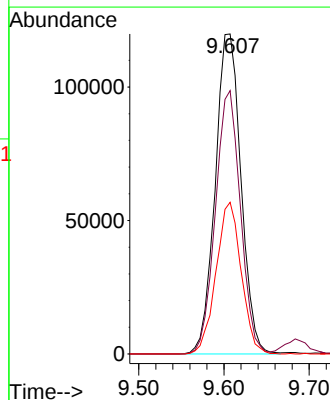
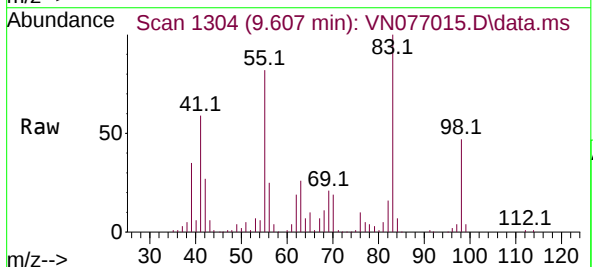
Tgt Ion: 83 Resp: 252098

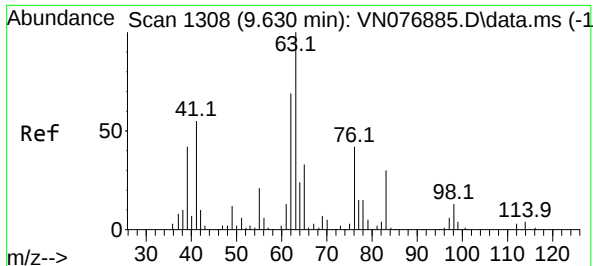
Ion Ratio Lower Upper

83 100

55 79.9 37.6 112.9

98 46.3 24.1 72.4





#39

1,2-Dichloropropane

Concen: 22.423 ug/l

RT: 9.625 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tgt Ion: 63 Resp: 15948

Ion Ratio Lower Upper

63 100

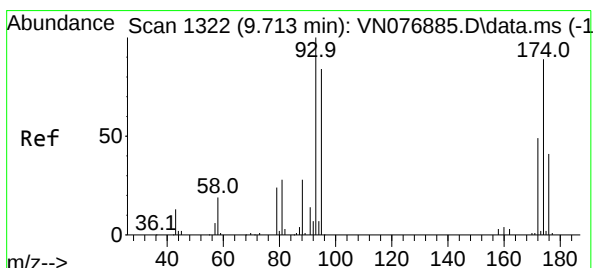
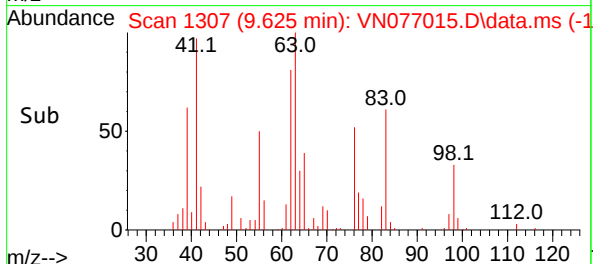
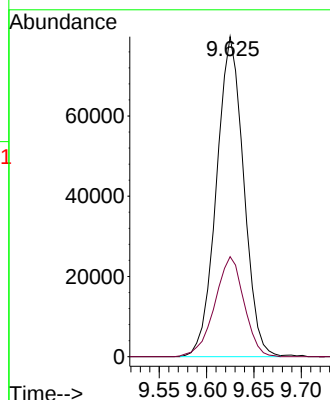
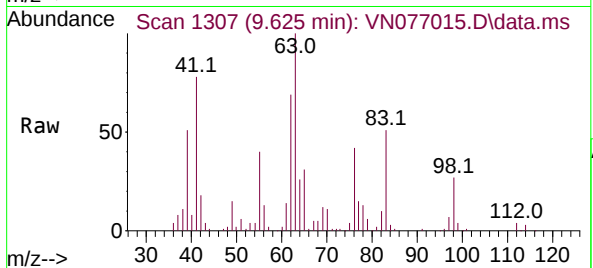
65 31.3 27.2 40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#40

Dibromomethane

Concen: 21.106 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

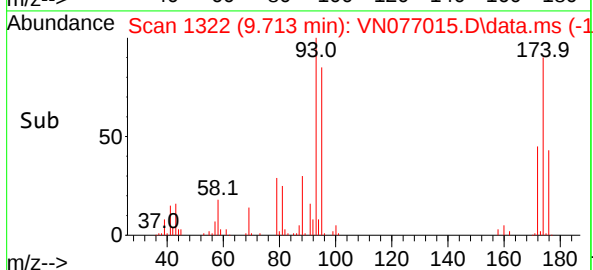
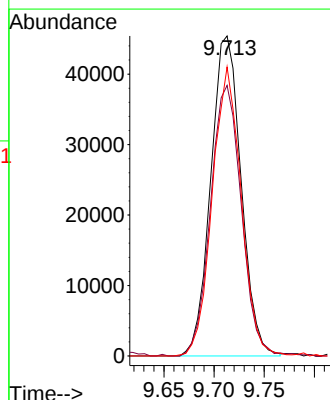
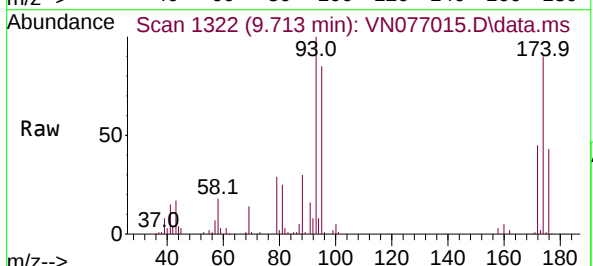
Tgt Ion: 93 Resp: 95636

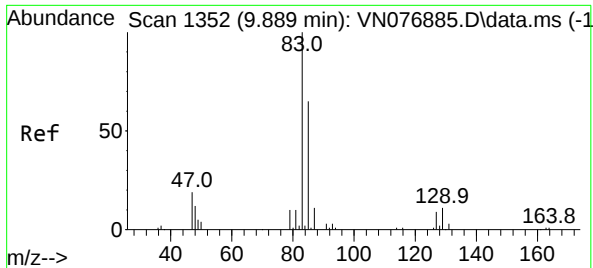
Ion Ratio Lower Upper

93 100

95 85.3 0.0 158.0

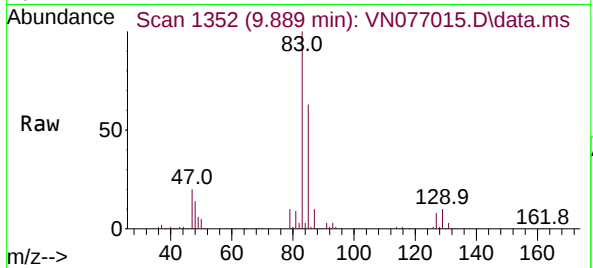
174 86.0 0.0 171.2





#41
Bromodichloromethane
Concen: 21.544 ug/l
RT: 9.889 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

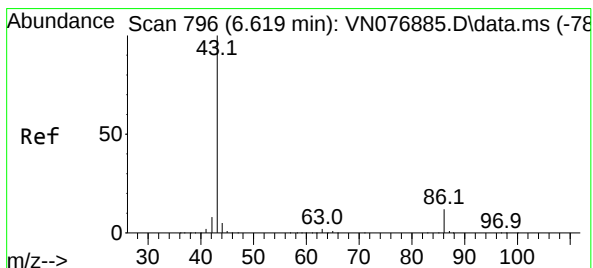
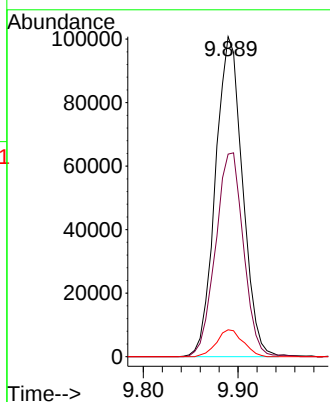
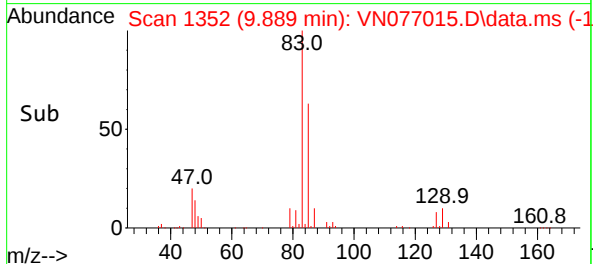
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



Tgt Ion: 83 Resp: 200064
Ion Ratio Lower Upper
83 100
85 63.3 51.0 76.4
127 8.4 6.2 9.2

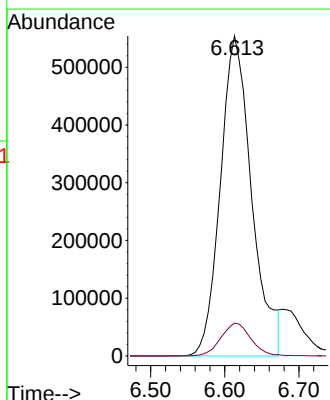
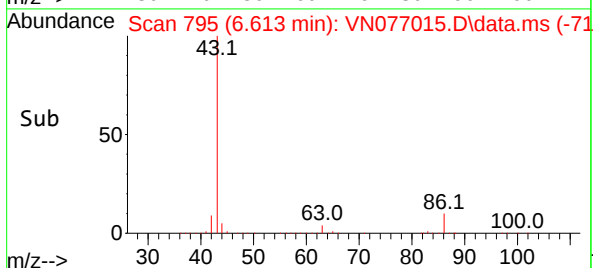
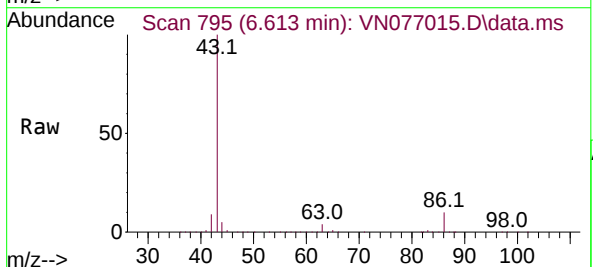
Manual Integrations
APPROVED

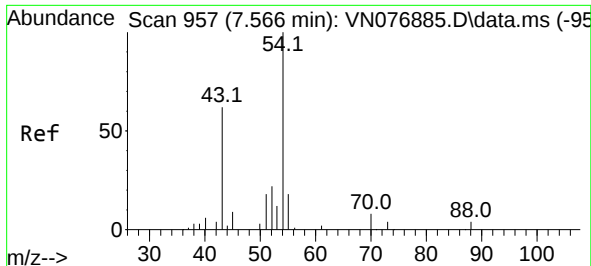
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#42
Vinyl Acetate
Concen: 126.790 ug/l
RT: 6.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Tgt Ion: 43 Resp: 1628188
Ion Ratio Lower Upper
43 100
86 9.8 7.8 11.6





#43

Ethyl Acetate

Concen: 24.288 ug/l

RT: 7.566 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tgt Ion: 43 Resp: 201892

Ion Ratio Lower Upper

43 100

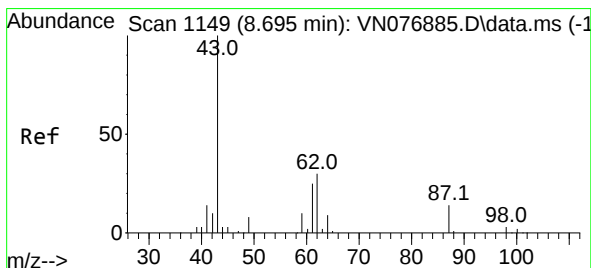
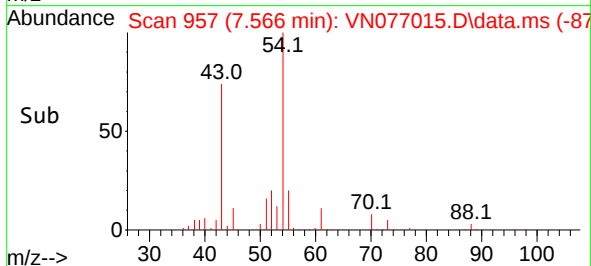
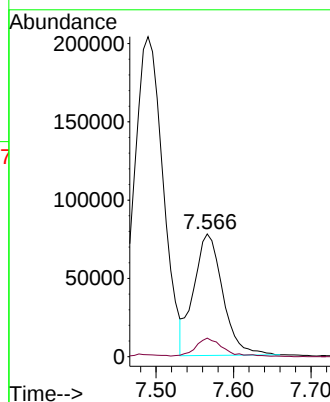
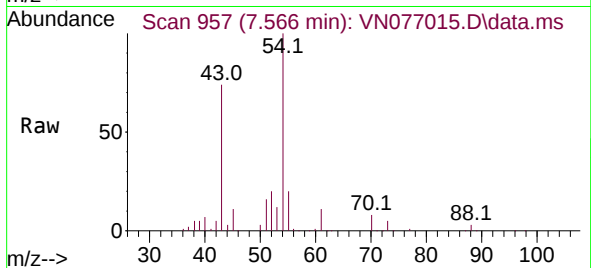
45 13.9 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#44

Isopropyl Acetate

Concen: 23.777 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN077015.D

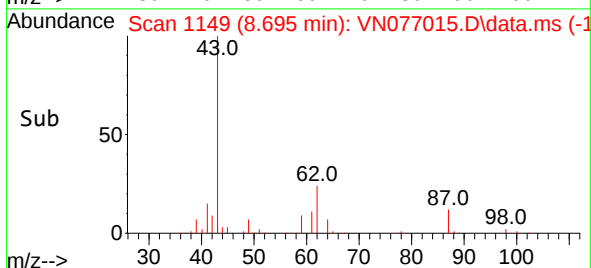
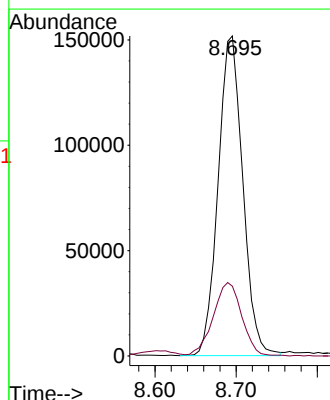
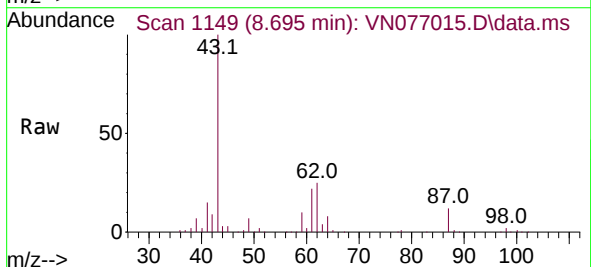
Acq: 16 Mar 2023 11:52

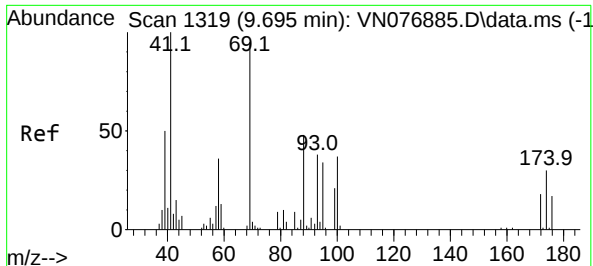
Tgt Ion: 43 Resp: 320395

Ion Ratio Lower Upper

43 100

61 26.6 19.5 29.3





#45

1,4-Dioxane

Concen: 453.749 ug/l

RT: 9.695 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

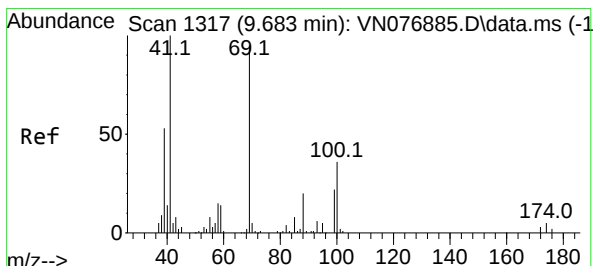
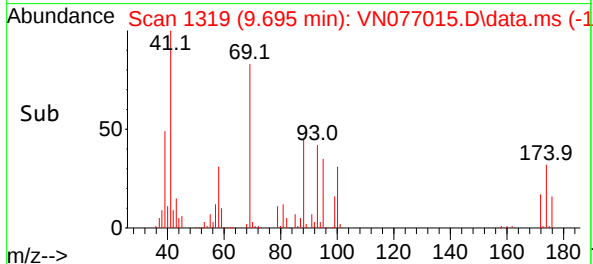
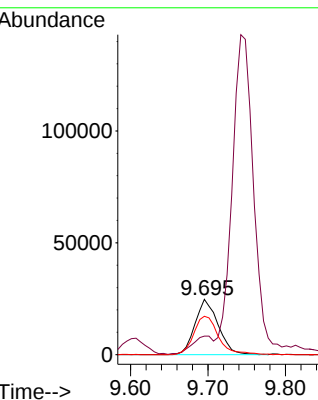
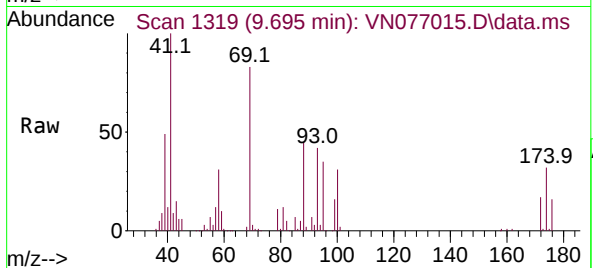
Tgt Ion: 88 Resp: 5143
 Ion Ratio Lower Upper
 88 100
 43 29.5 26.0 39.0
 58 74.0 54.3 81.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#46

Methyl methacrylate

Concen: 24.322 ug/l

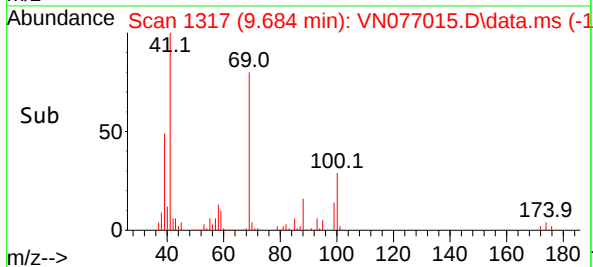
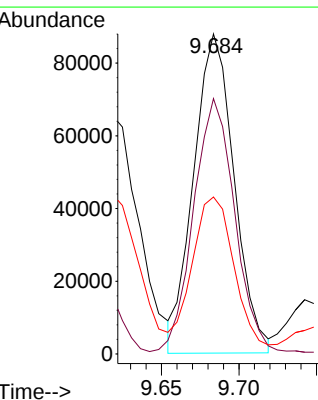
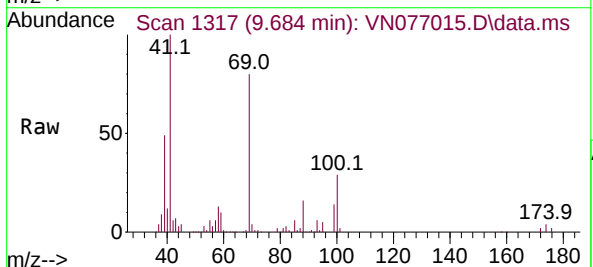
RT: 9.684 min Scan# 1317

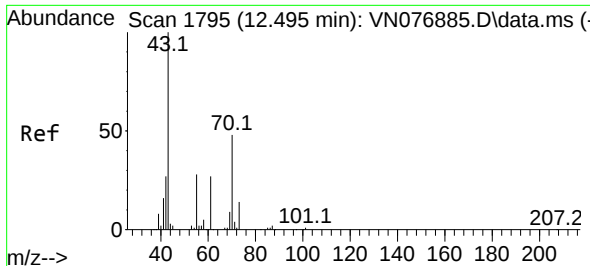
Delta R.T. 0.001 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

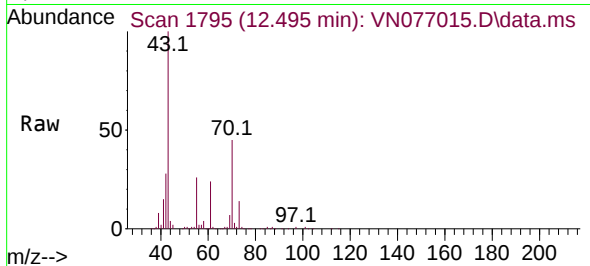
Tgt Ion: 41 Resp: 159604
 Ion Ratio Lower Upper
 41 100
 69 81.1 40.6 121.7
 39 48.5 30.5 91.5





#47
n-amy1 Acetate
Concen: 24.824 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

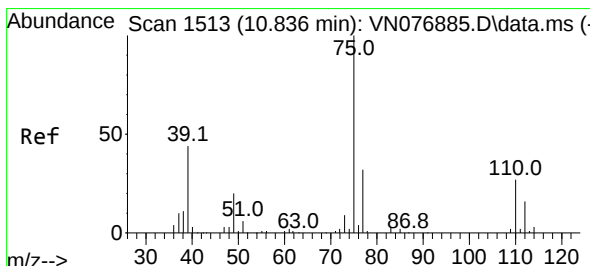
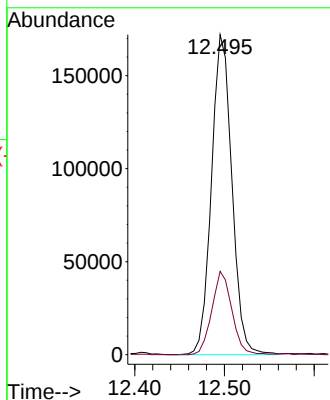
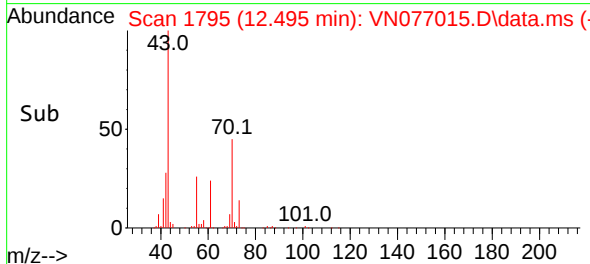
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



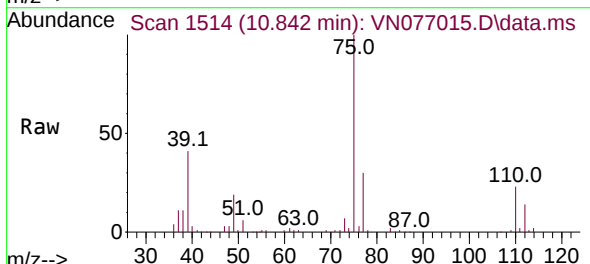
Tgt Ion: 43 Resp: 27222
Ion Ratio Lower Upper
43 100
55 25.5 18.3 27.5

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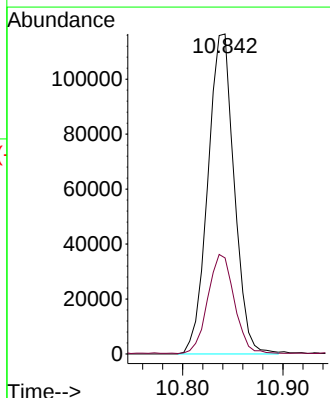
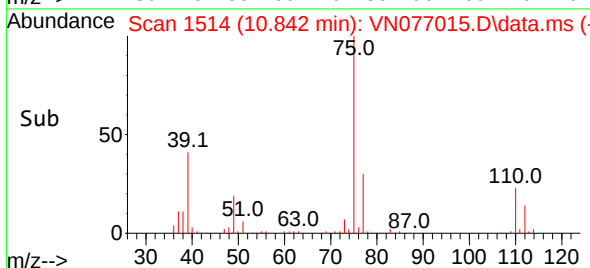
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

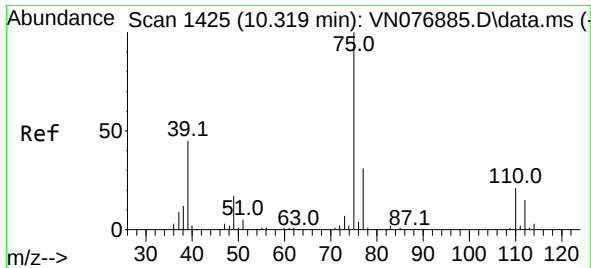


#48
t-1,3-Dichloropropene
Concen: 22.856 ug/l
RT: 10.842 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52



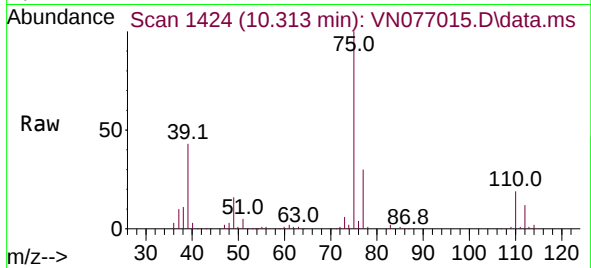
Tgt Ion: 75 Resp: 212586
Ion Ratio Lower Upper
75 100
77 29.8 25.4 38.2





#49
cis-1,3-Dichloropropene
Concen: 23.181 ug/l
RT: 10.313 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

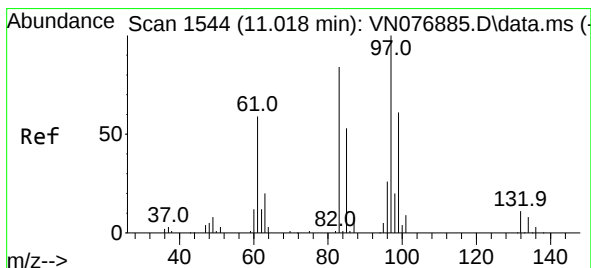
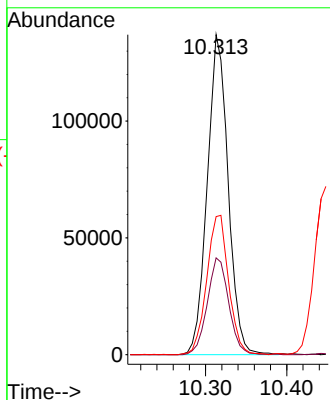
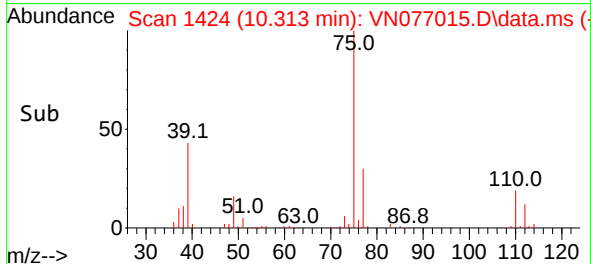
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



Tgt Ion: 75 Resp: 24489
Ion Ratio Lower Upper
75 100
77 30.2 27.5 41.3
39 43.2 43.5 65.3

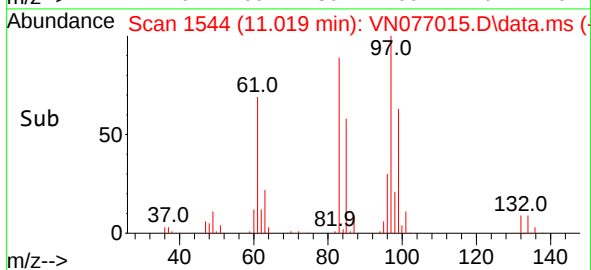
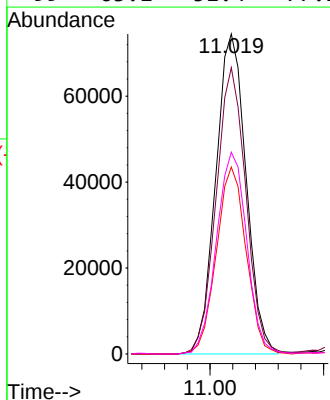
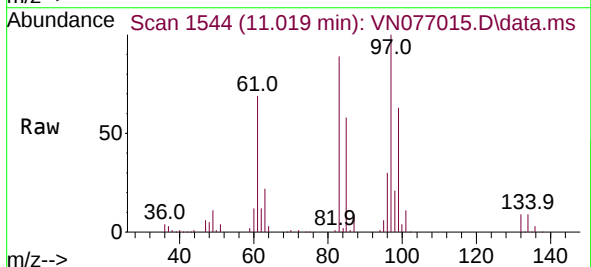
Manual Integrations
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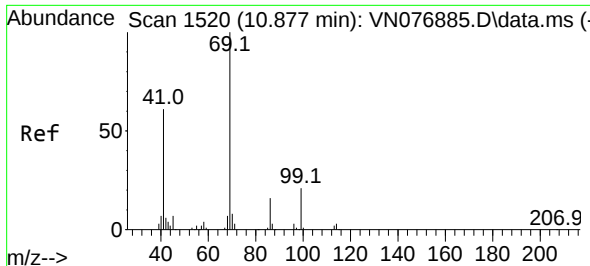
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#50
1,1,2-Trichloroethane
Concen: 20.779 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

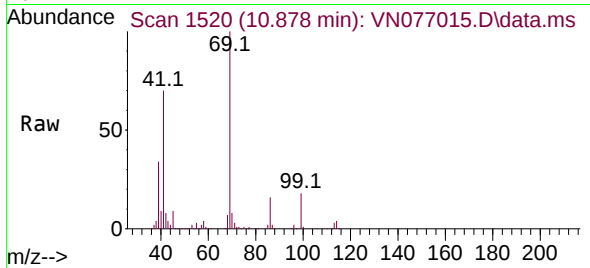
Tgt Ion: 97 Resp: 137940
Ion Ratio Lower Upper
97 100
83 89.5 71.0 106.4
85 58.4 45.5 68.3
99 63.1 51.4 77.2





#51
Ethyl methacrylate
Concen: 22.591 ug/l
RT: 10.878 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

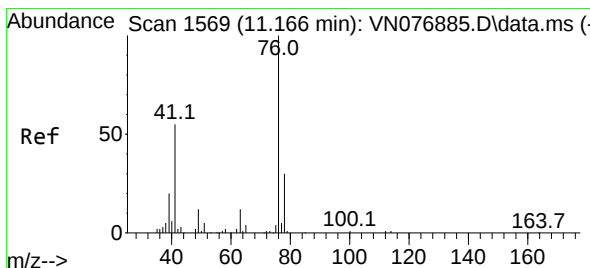
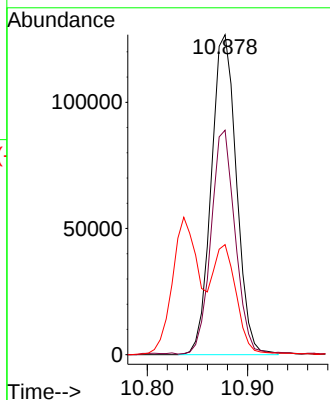
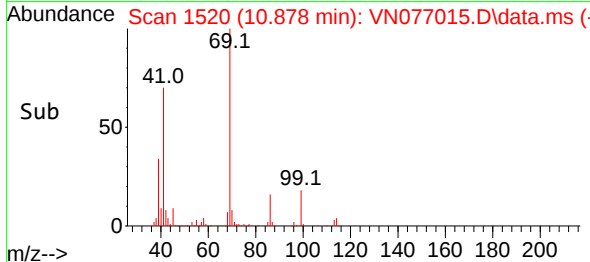
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



Tgt Ion: 69 Resp: 221084
Ion Ratio Lower Upper
69 100
41 69.9 36.3 108.7
39 33.9 19.9 59.7

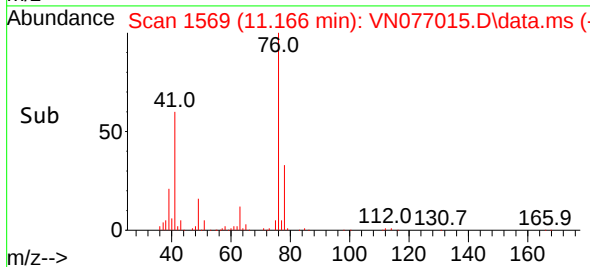
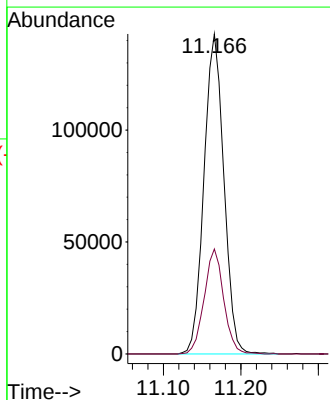
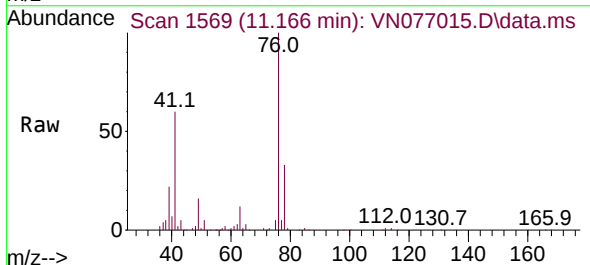
Manual Integrations
APPROVED

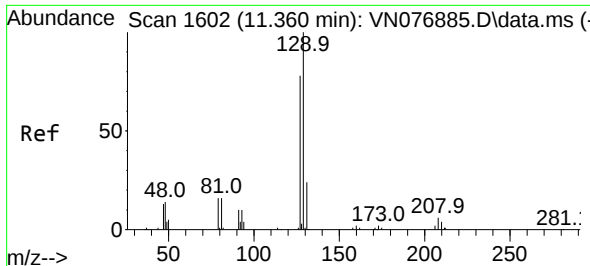
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#52
1,3-Dichloropropane
Concen: 22.214 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

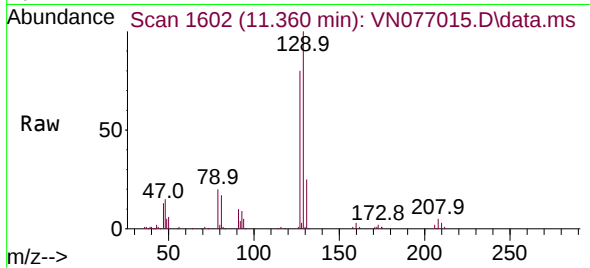
Tgt Ion: 76 Resp: 254707
Ion Ratio Lower Upper
76 100
78 32.1 0.0 65.4





#53
Dibromochloromethane
Concen: 21.175 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

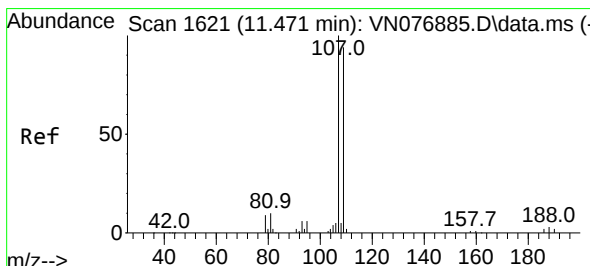
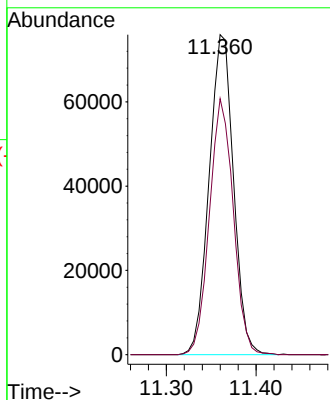
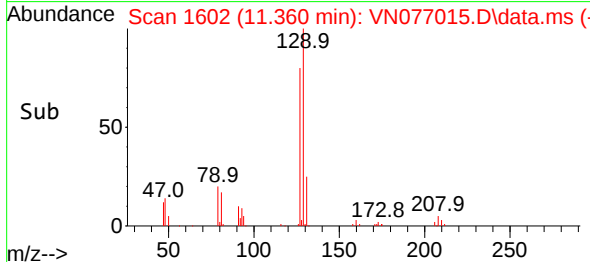
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



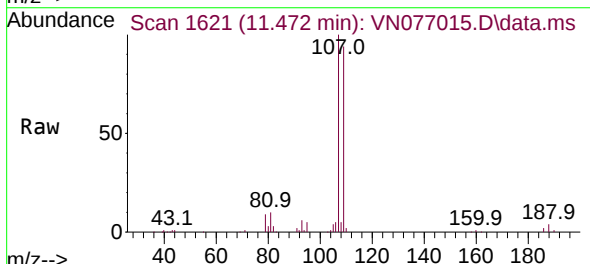
Tgt Ion:129 Resp: 143402
Ion Ratio Lower Upper
129 100
127 78.2 39.4 118.1

Manual Integrations
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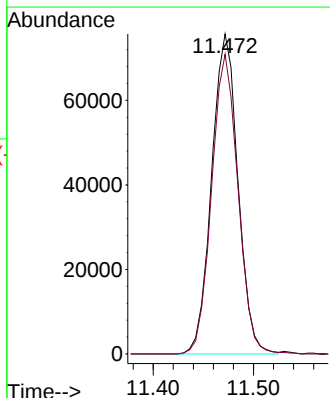
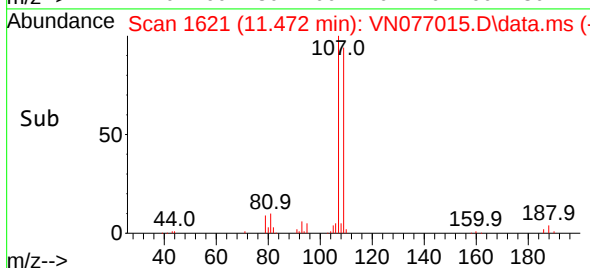
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

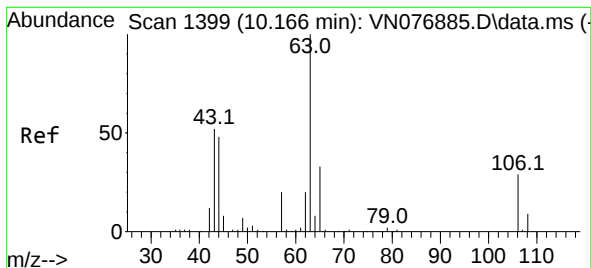


#54
1,2-Dibromoethane
Concen: 21.518 ug/l
RT: 11.472 min Scan# 1621
Delta R.T. 0.001 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52



Tgt Ion:107 Resp: 137845
Ion Ratio Lower Upper
107 100
109 93.7 74.6 112.0





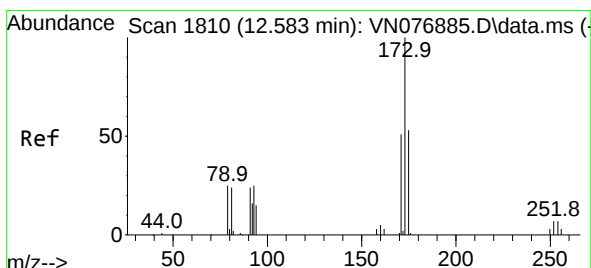
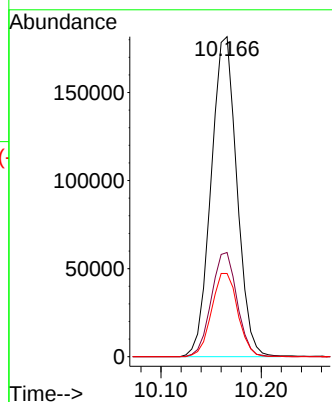
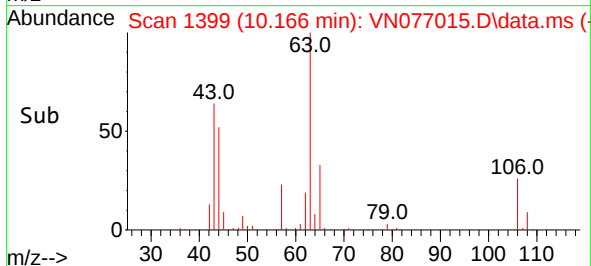
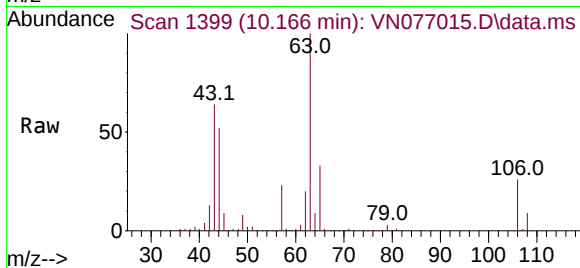
#55
2-Chloroethyl vinyl ether
Concen: 94.489 ug/l
RT: 10.166 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tgt Ion: 63 Resp: 32421
Ion Ratio Lower Upper
63 100
65 32.5 26.3 39.5
106 26.4 21.6 32.4

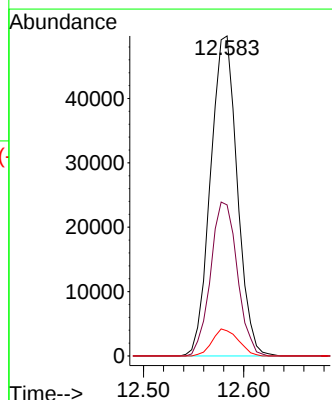
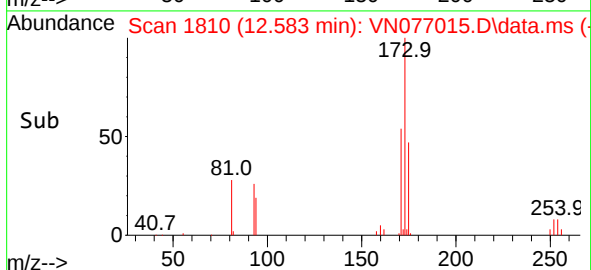
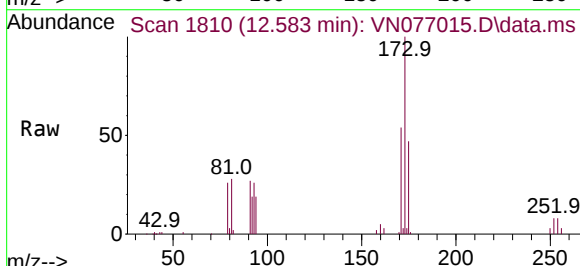
Manual Integrations
APPROVED

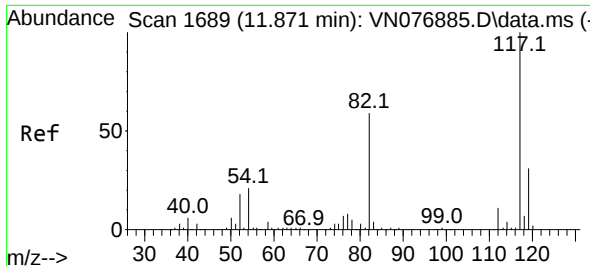
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#56
Bromoform
Concen: 20.320 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

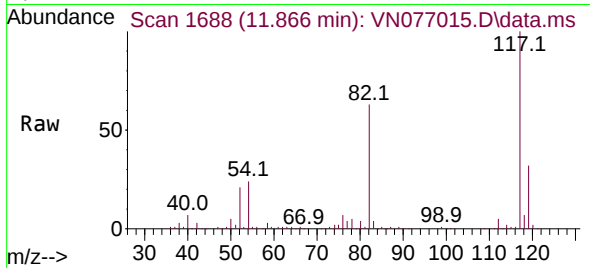
Tgt Ion:173 Resp: 92065
Ion Ratio Lower Upper
173 100
175 48.0 37.8 56.6
254 8.2 7.3 10.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

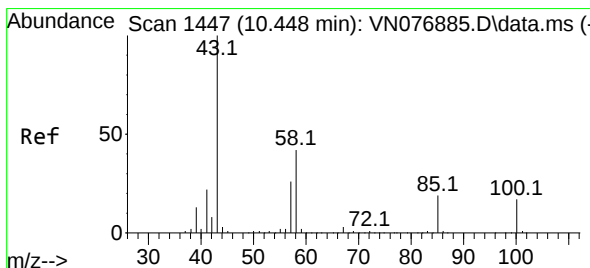
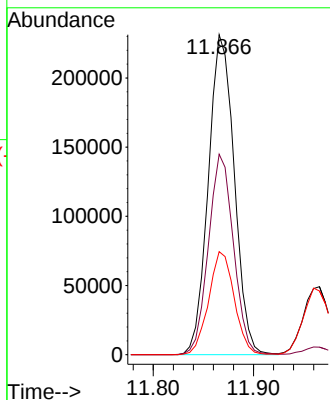
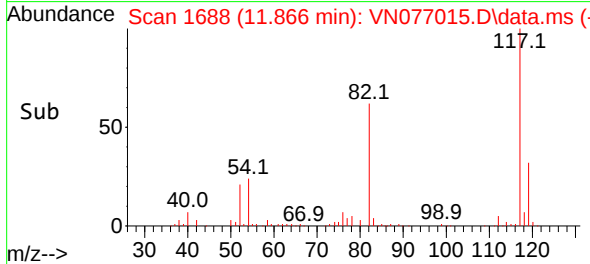
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



Tgt Ion:117 Resp: 416260
Ion Ratio Lower Upper
117 100
82 60.6 45.4 68.0
119 31.8 26.8 40.2

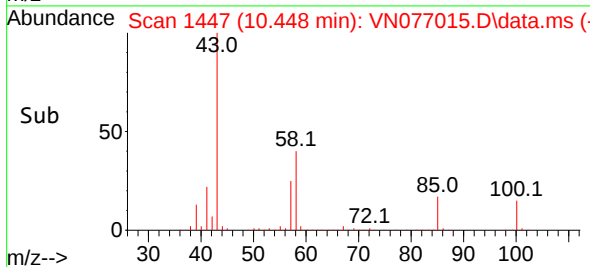
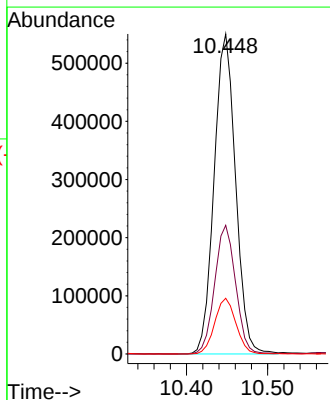
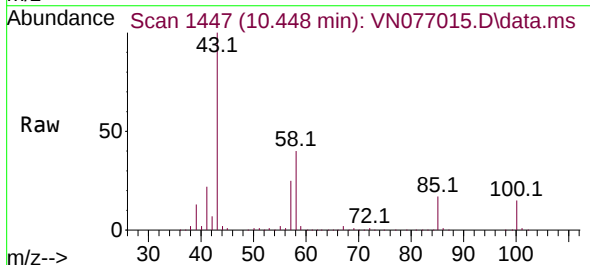
Manual Integrations
APPROVED

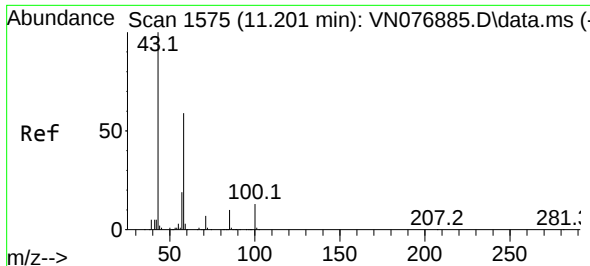
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#58
4-Methyl-2-Pentanone
Concen: 120.136 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

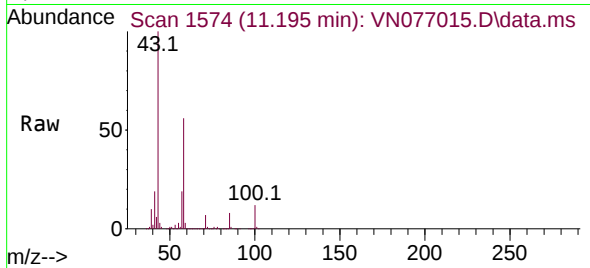
Tgt Ion: 43 Resp: 1010234
Ion Ratio Lower Upper
43 100
58 39.3 28.6 42.8
85 17.3 11.8 17.8





#59
2-Hexanone
Concen: 128.389 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

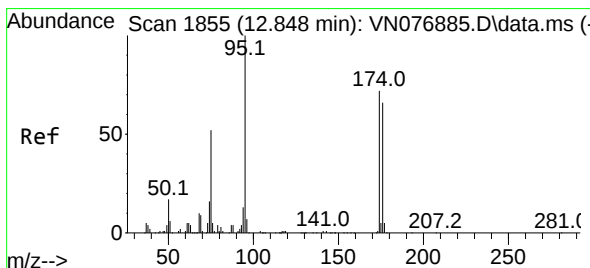
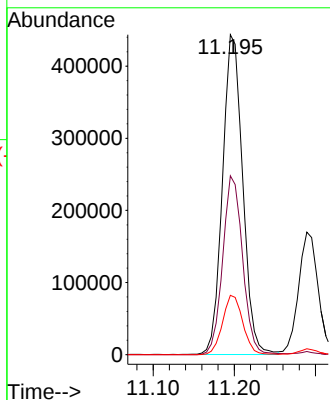
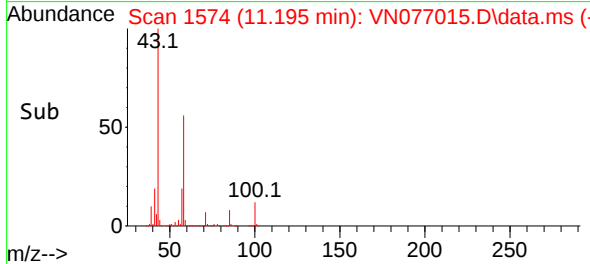
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



Tgt Ion: 43 Resp: 76694
Ion Ratio Lower Upper
43 100
58 55.2 40.6 60.8
57 18.7 13.1 19.7

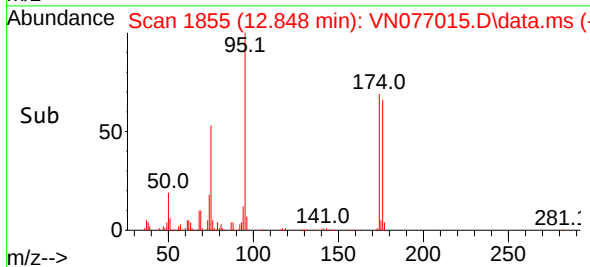
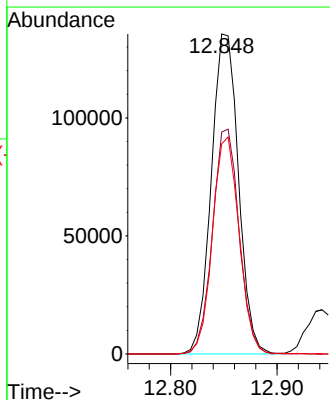
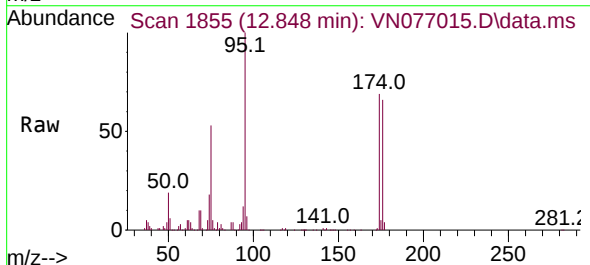
Manual Integrations
APPROVED

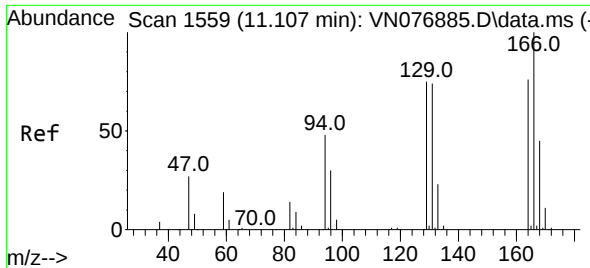
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#60
4-Bromofluorobenzene
Concen: 30.443 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

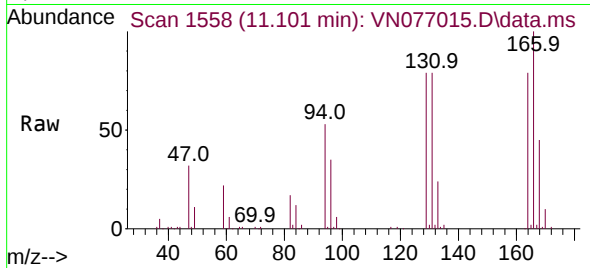
Tgt Ion: 95 Resp: 239842
Ion Ratio Lower Upper
95 100
174 68.9 64.2 96.4
176 66.4 61.4 92.0





#61
Tetrachloroethene
Concen: 16.216 ug/l
RT: 11.101 min Scan# 1558
Delta R.T. -0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

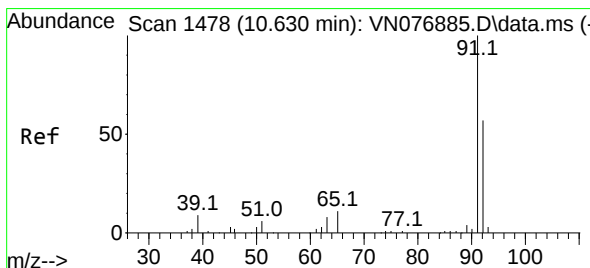
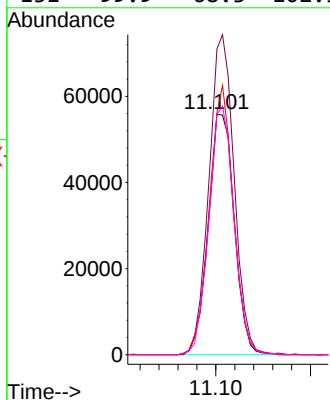
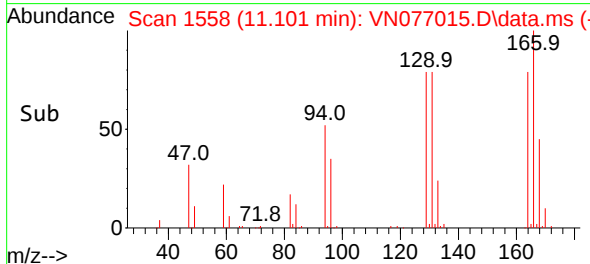
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



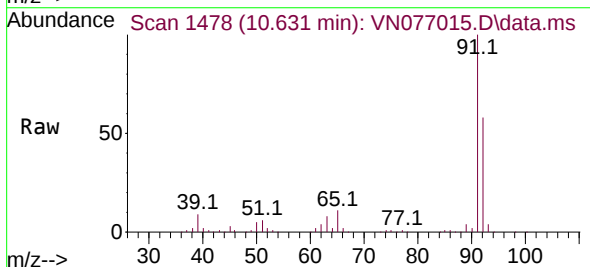
Tgt Ion:164 Resp: 106564
Ion Ratio Lower Upper
164 100
166 127.1 96.2 144.2
129 100.6 78.2 117.4
131 99.9 68.3 102.5

Manual Integrations
APPROVED

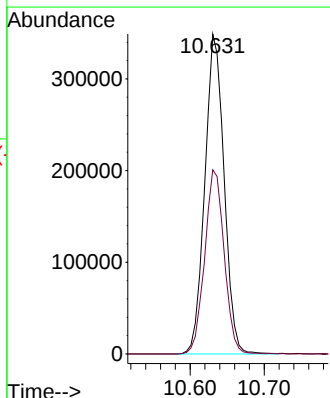
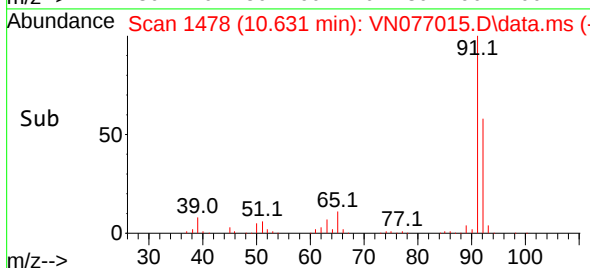
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

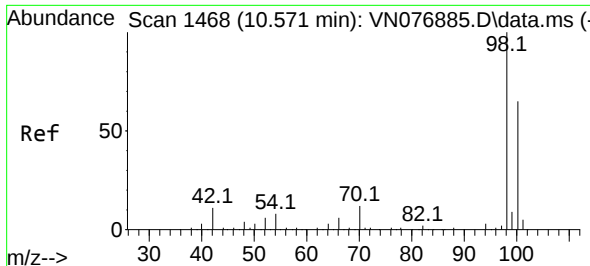


#62
Toluene
Concen: 21.962 ug/l
RT: 10.631 min Scan# 1478
Delta R.T. 0.001 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52



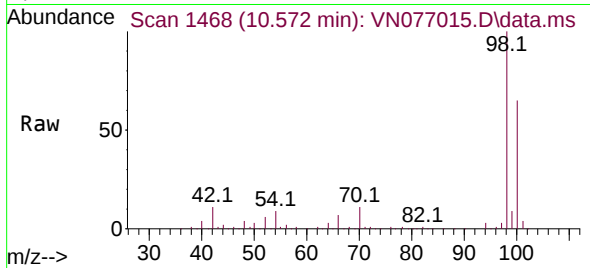
Tgt Ion: 91 Resp: 629943
Ion Ratio Lower Upper
91 100
92 58.3 46.3 69.5





#63
Toluene-d8
Concen: 30.630 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

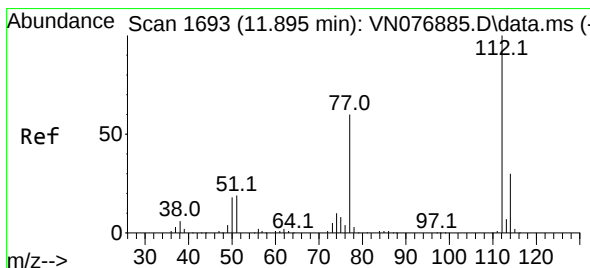
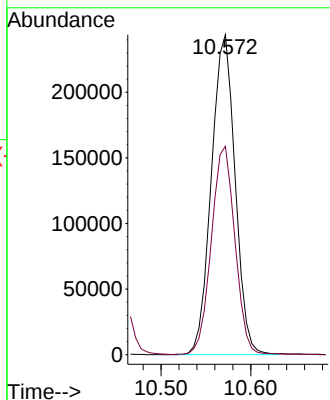
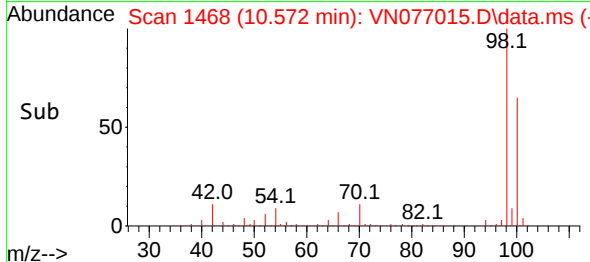
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



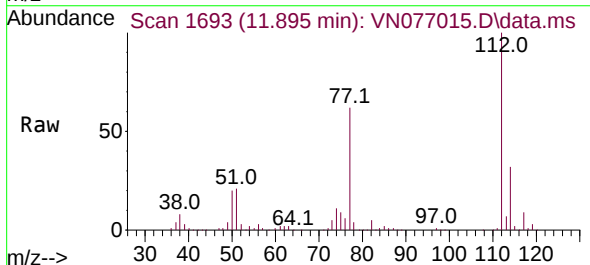
Tgt Ion: 98 Resp: 448458
Ion Ratio Lower Upper
98 100
100 64.8 53.8 80.6

Manual Integrations
APPROVED

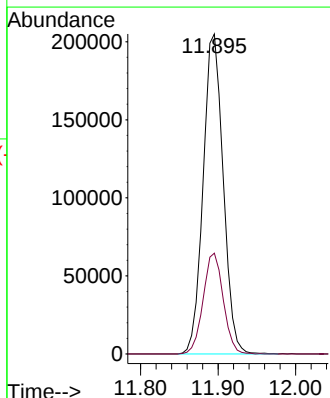
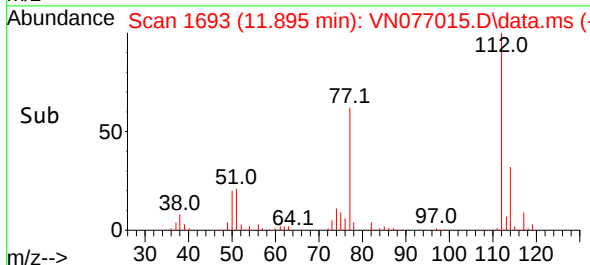
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

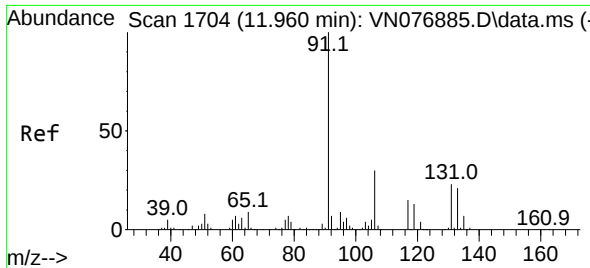


#64
Chlorobenzene
Concen: 21.805 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52



Tgt Ion:112 Resp: 368154
Ion Ratio Lower Upper
112 100
114 31.5 24.5 36.7





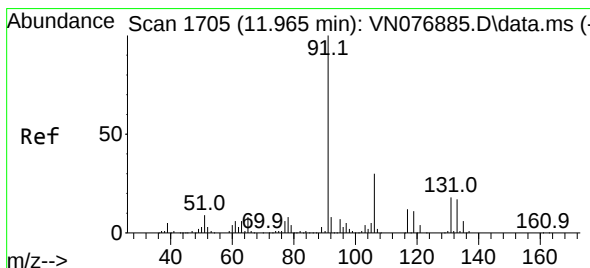
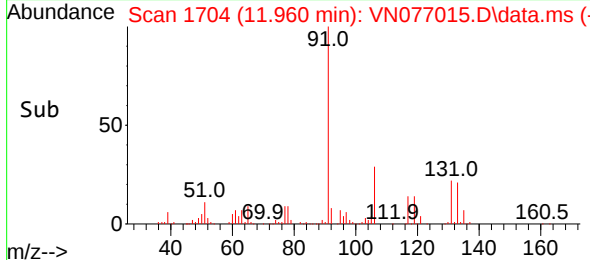
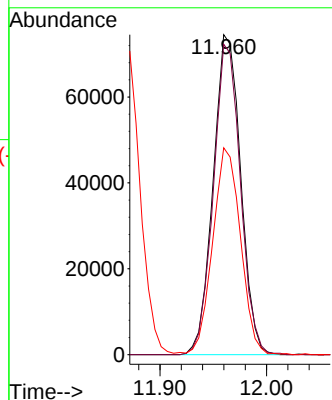
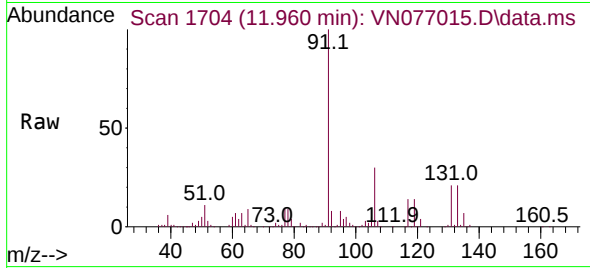
#65
1,1,1,2-Tetrachloroethane
Concen: 21.065 ug/l
RT: 11.960 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tgt Ion:131 Resp: 13358
Ion Ratio Lower Upper
131 100
133 95.3 0.0 197.6
119 65.1 0.0 127.8

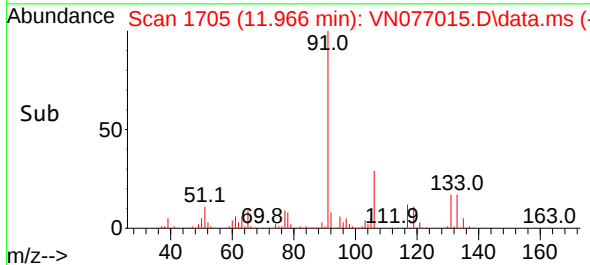
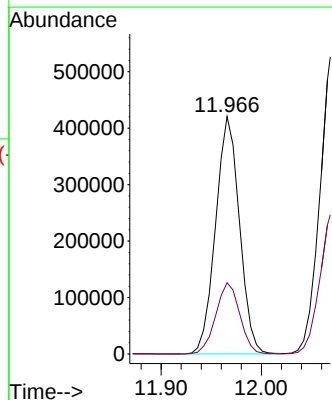
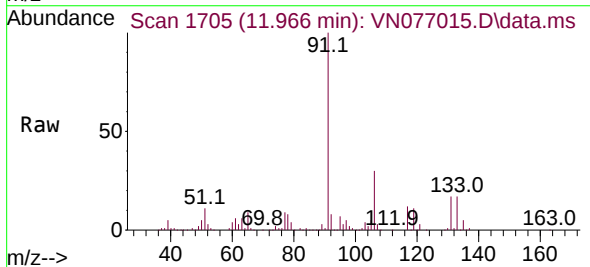
Manual Integrations
APPROVED

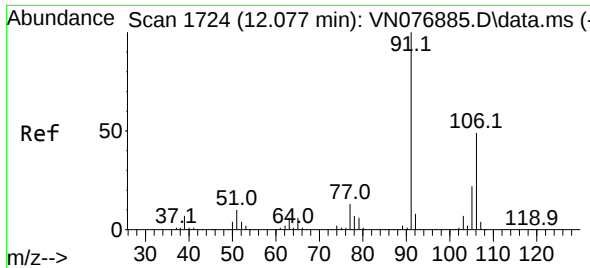
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#66
Ethyl Benzene
Concen: 22.275 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Tgt Ion: 91 Resp: 693675
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.8





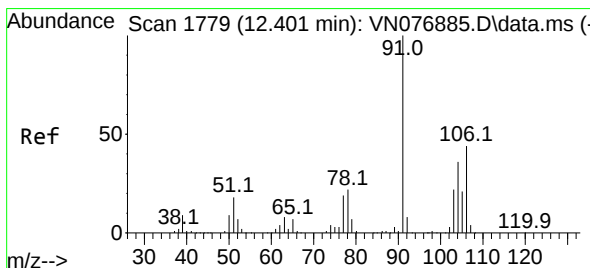
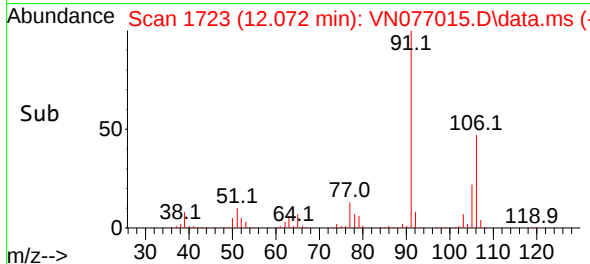
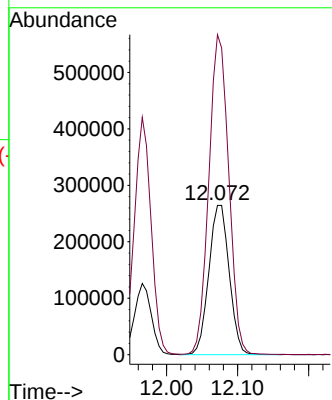
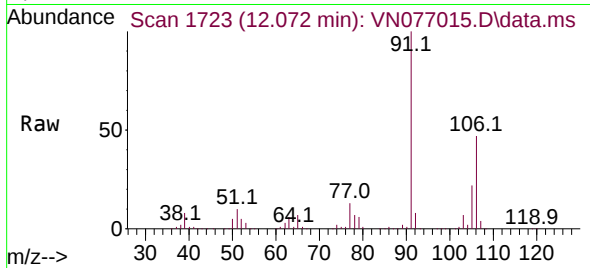
#67
m/p-Xylenes
Concen: 44.737 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. 0.001 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tgt Ion:106 Resp: 52772
Ion Ratio Lower Upper
106 100
91 208.9 157.4 236.2

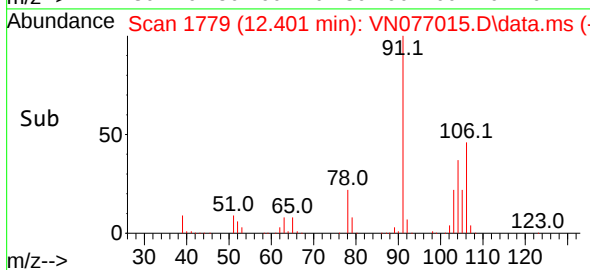
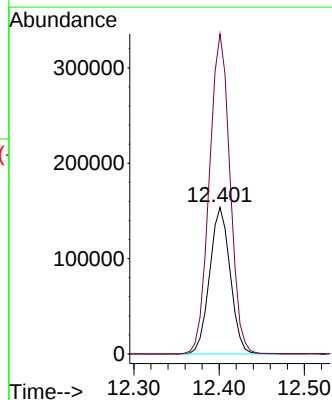
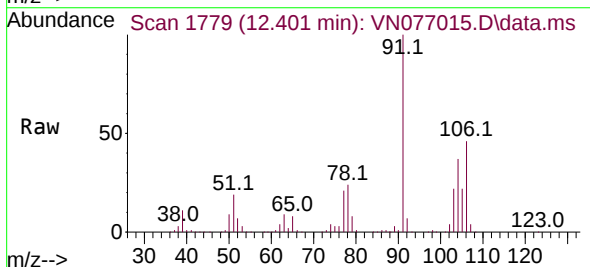
Manual Integrations
APPROVED

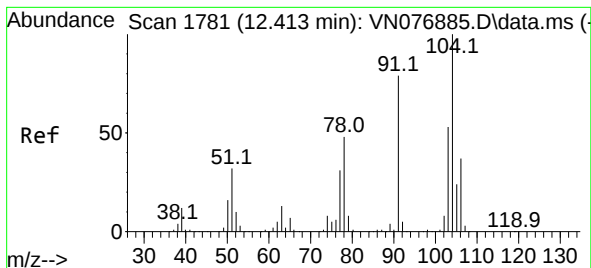
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#68
o-Xylene
Concen: 22.349 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Tgt Ion:106 Resp: 257385
Ion Ratio Lower Upper
106 100
91 220.1 107.2 321.6





#69

Styrene

Concen: 22.210 ug/l

RT: 12.413 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tgt Ion:104 Resp: 41484

Ion Ratio Lower Upper

104 100

78 53.3 39.6 59.4

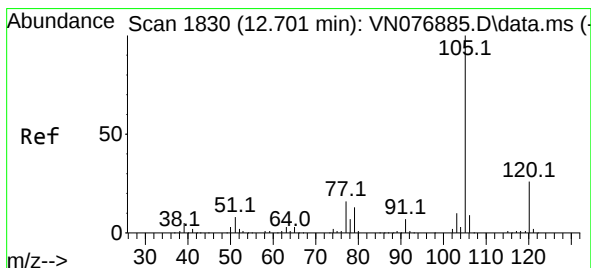
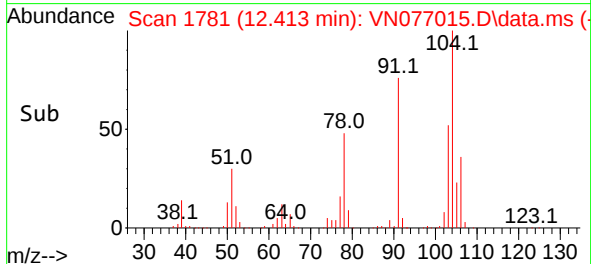
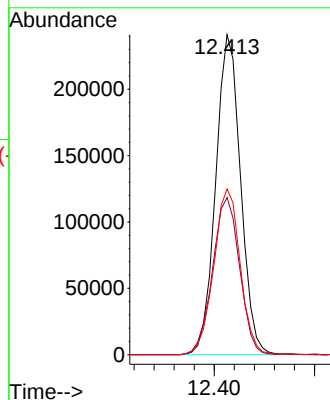
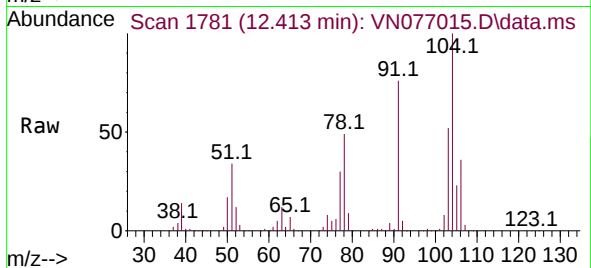
103 55.0 43.9 65.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#70

Isopropylbenzene

Concen: 22.489 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN077015.D

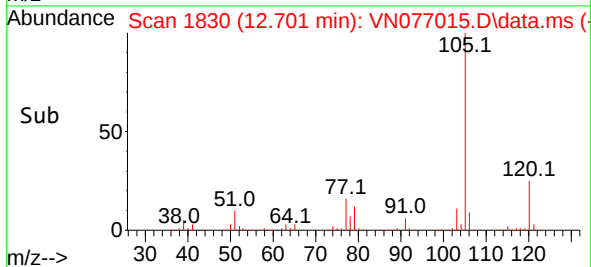
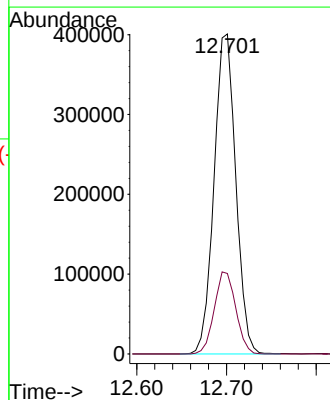
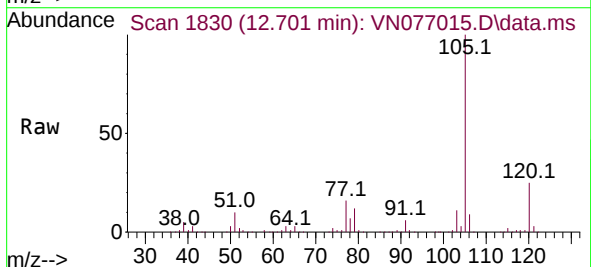
Acq: 16 Mar 2023 11:52

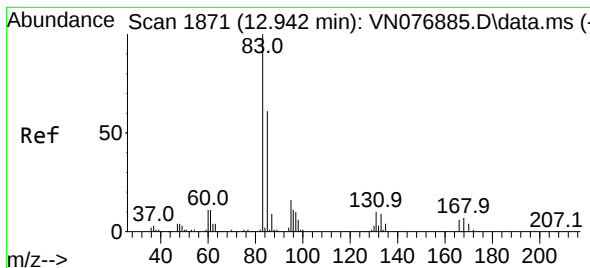
Tgt Ion:105 Resp: 673889

Ion Ratio Lower Upper

105 100

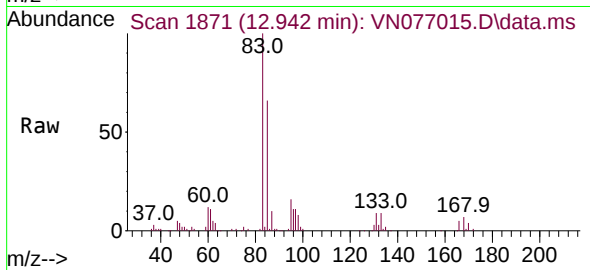
120 25.3 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 22.770 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

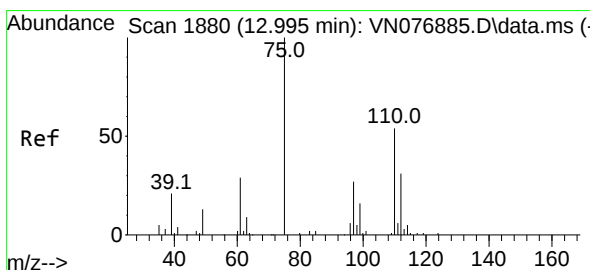
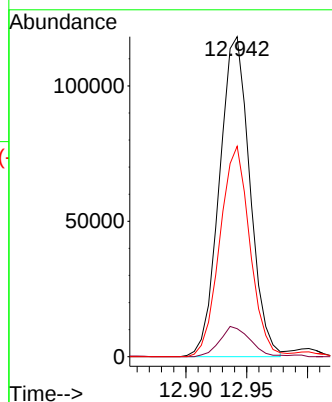
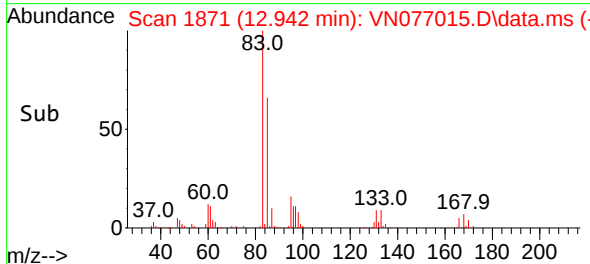
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



Tgt Ion: 83 Resp: 205728
Ion Ratio Lower Upper
83 100
131 9.5 5.0 14.9
85 64.9 32.3 96.9

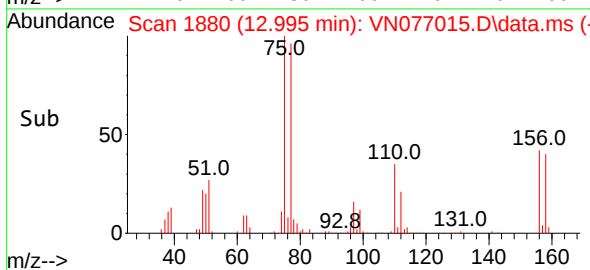
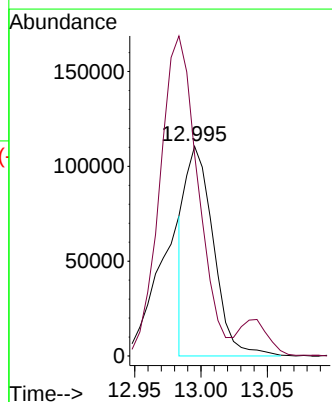
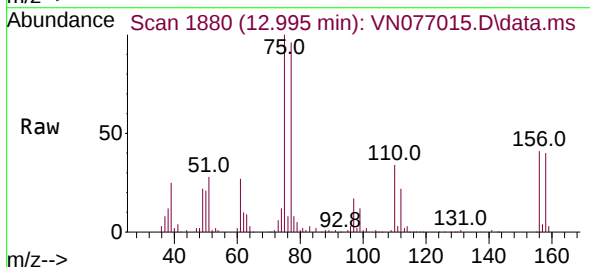
Manual Integrations
APPROVED

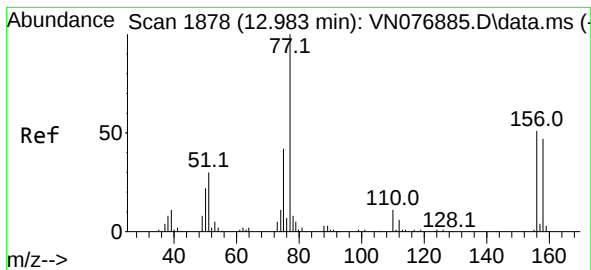
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#72
1,2,3-Trichloropropane
Concen: 19.675 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Tgt Ion: 75 Resp: 163073
Ion Ratio Lower Upper
75 100
77 205.9 0.0 332.6





#73

Bromobenzene

Concen: 20.882 ug/l

RT: 12.983 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

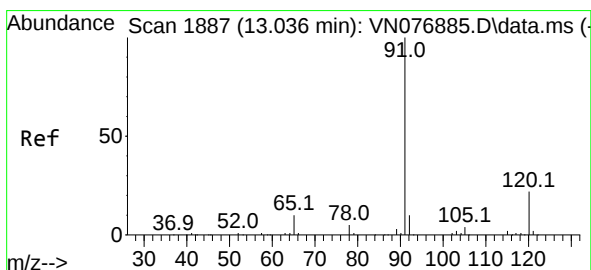
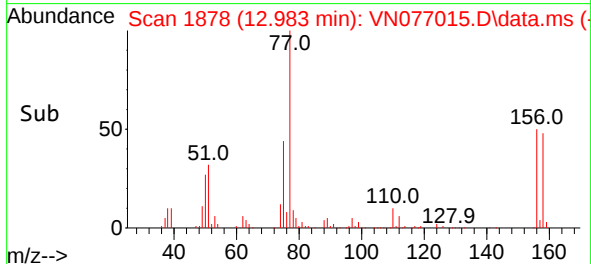
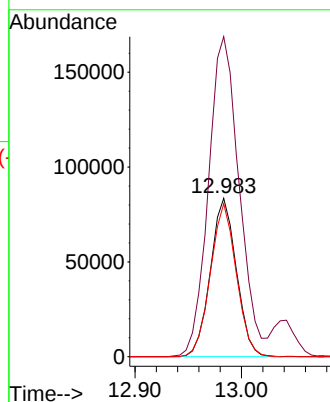
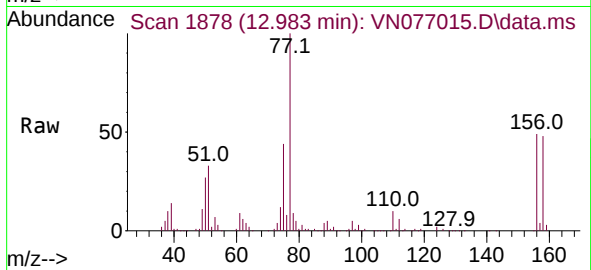
Tgt Ion:156 Resp: 141209
 Ion Ratio Lower Upper
 156 100
 77 237.8 0.0 423.0
 158 96.1 0.0 188.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#74

n-propylbenzene

Concen: 22.438 ug/l

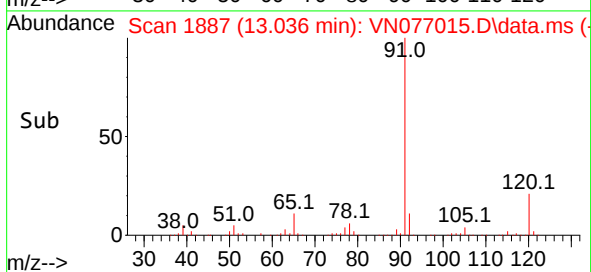
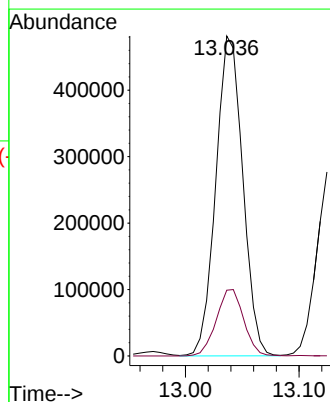
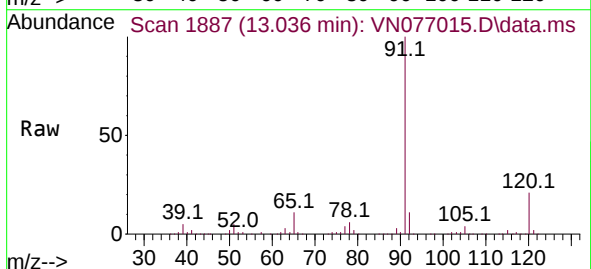
RT: 13.036 min Scan# 1887

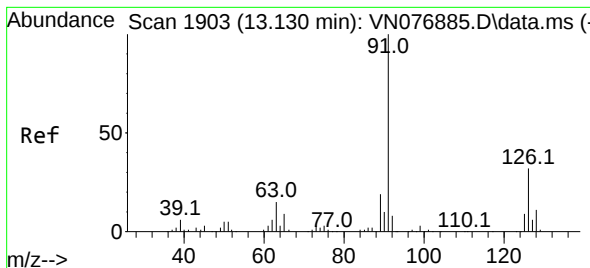
Delta R.T. 0.000 min

Lab File: VN077015.D

Acq: 16 Mar 2023 11:52

Tgt Ion: 91 Resp: 793627
 Ion Ratio Lower Upper
 91 100
 120 21.1 0.0 44.0





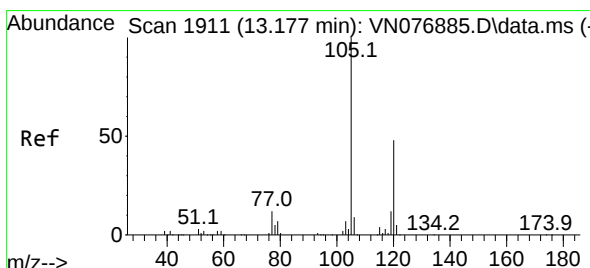
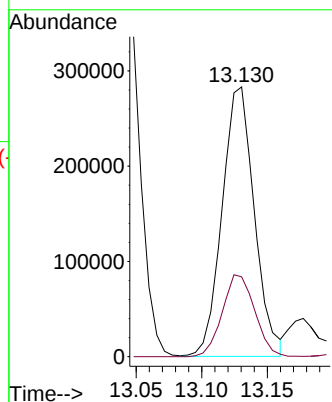
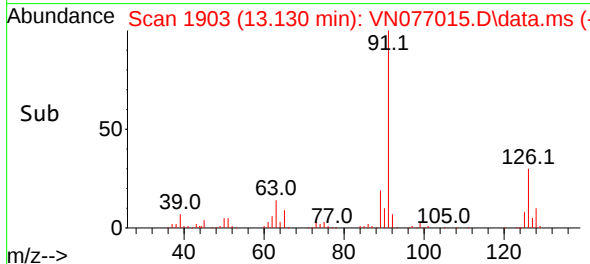
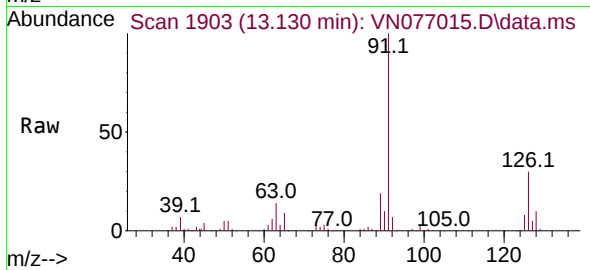
#75
2-Chlorotoluene
Concen: 22.128 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tgt Ion: 91 Resp: 484015
Ion Ratio Lower Upper
91 100
126 30.5 0.0 66.4

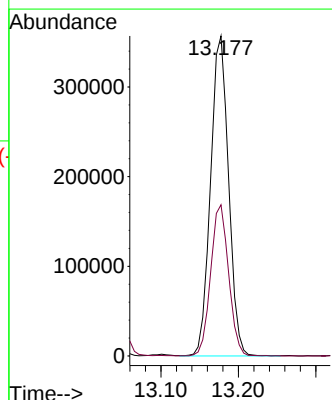
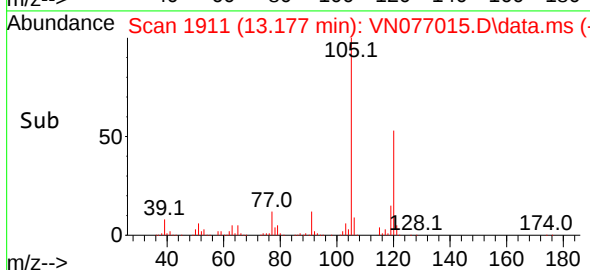
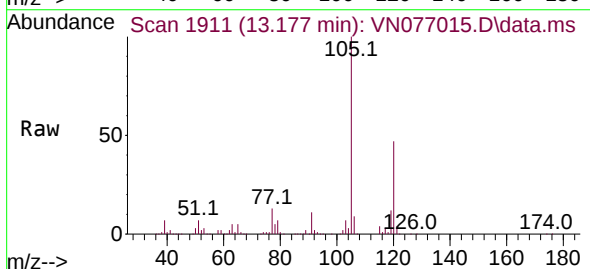
Manual Integrations
APPROVED

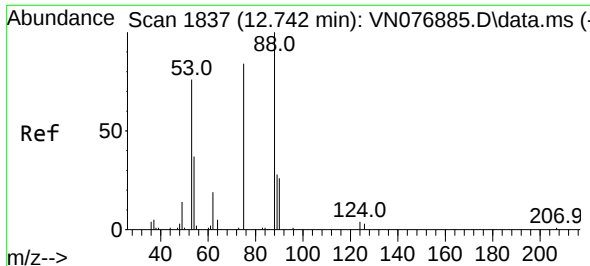
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#76
1,3,5-Trimethylbenzene
Concen: 22.203 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

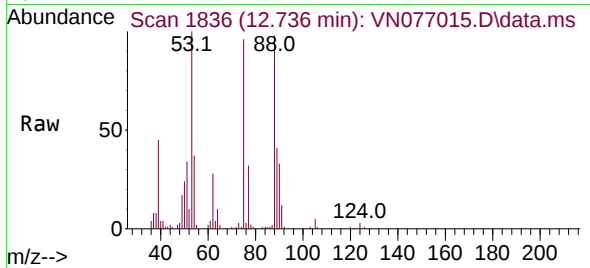
Tgt Ion:105 Resp: 575872
Ion Ratio Lower Upper
105 100
120 47.0 0.0 103.2





#77
t-1,4-Dichloro-2-butene
Concen: 24.779 ug/l
RT: 12.736 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

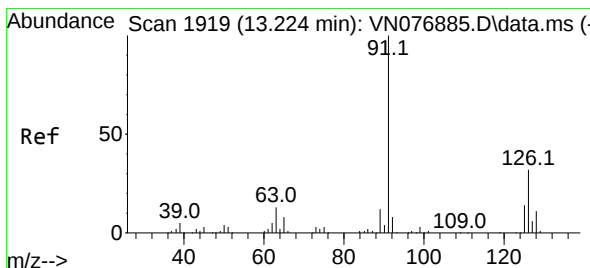
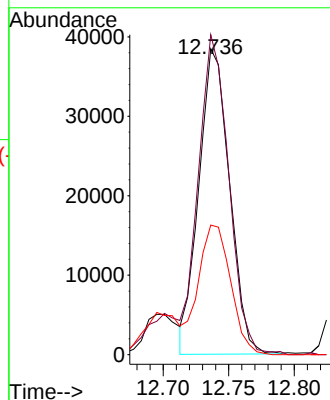
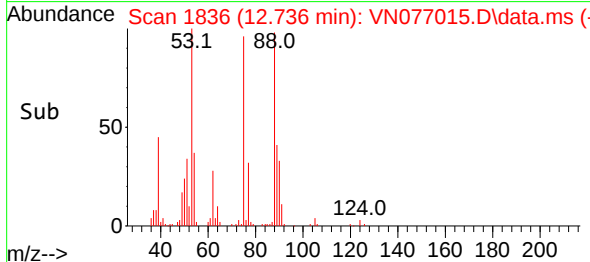
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



Tgt Ion: 75 Resp: 6269
Ion Ratio Lower Upper
75 100
53 104.0 50.4 151.3
89 42.6 22.1 66.5

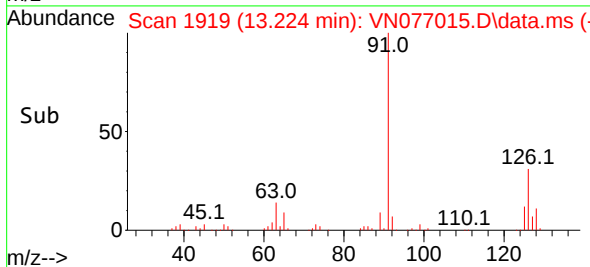
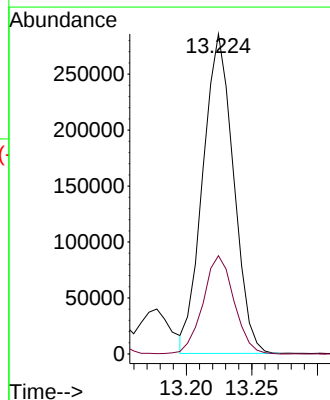
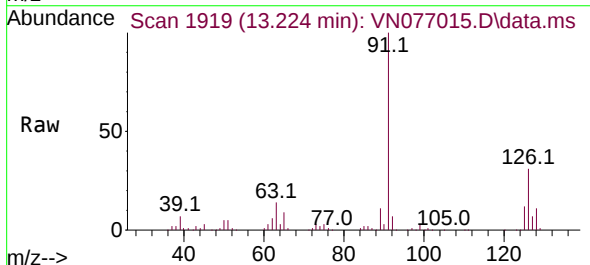
Manual Integrations
APPROVED

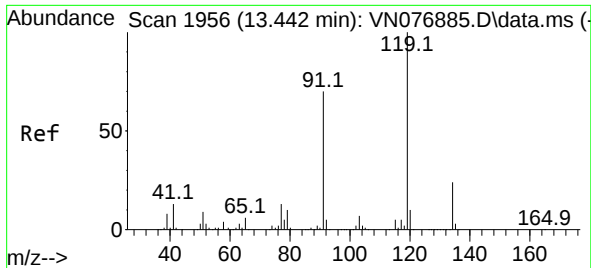
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#78
4-Chlorotoluene
Concen: 22.025 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Tgt Ion: 91 Resp: 464413
Ion Ratio Lower Upper
91 100
126 31.1 0.0 70.6





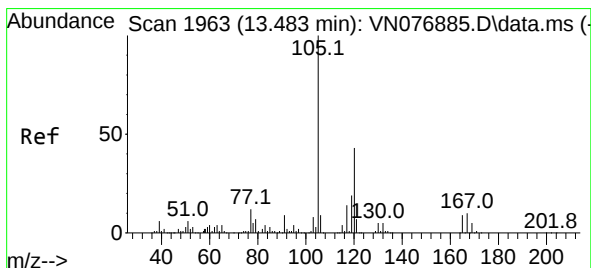
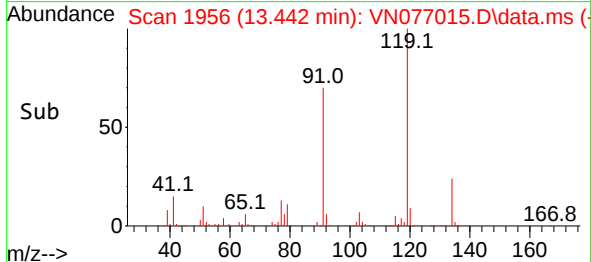
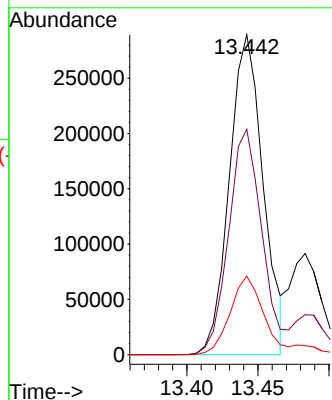
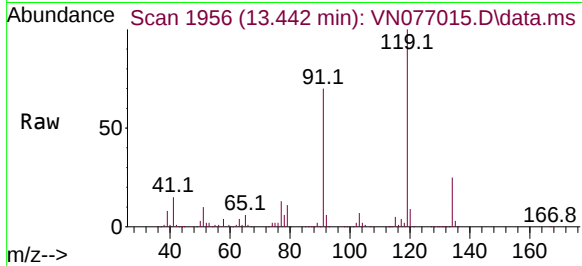
#79
tert-butylbenzene
Concen: 22.077 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tgt Ion:119 Resp: 47883
Ion Ratio Lower Upper
119 100
91 70.5 0.0 129.6
134 24.1 0.0 47.8

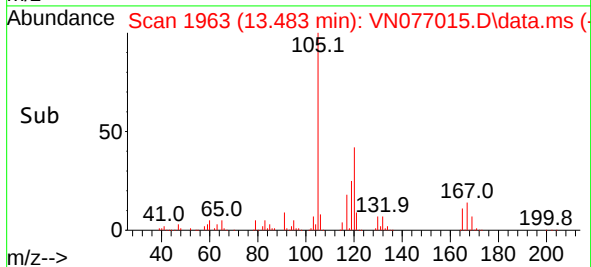
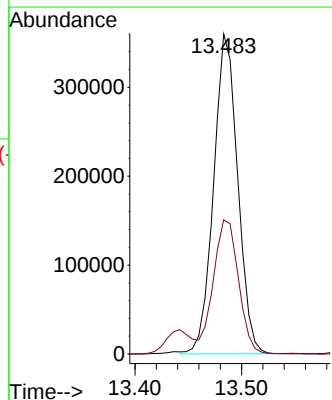
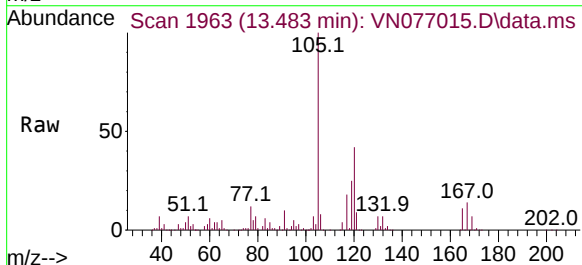
Manual Integrations
APPROVED

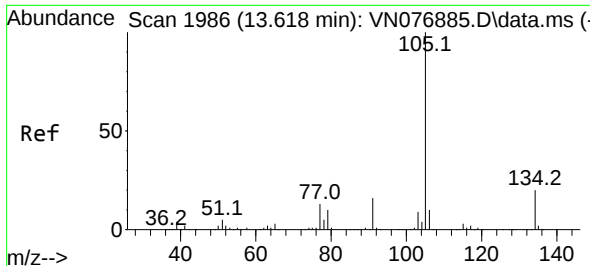
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#80
1,2,4-Trimethylbenzene
Concen: 22.090 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

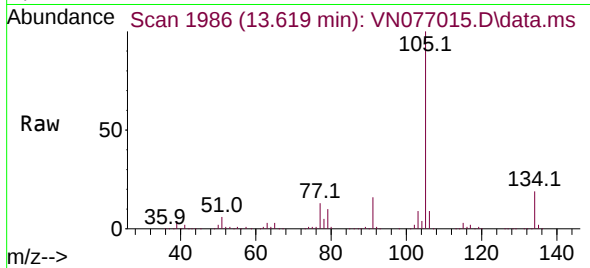
Tgt Ion:105 Resp: 563052
Ion Ratio Lower Upper
105 100
120 43.6 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 22.104 ug/l
 RT: 13.619 min Scan# 1986
 Delta R.T. 0.001 min
 Lab File: VN077015.D
 Acq: 16 Mar 2023 11:52

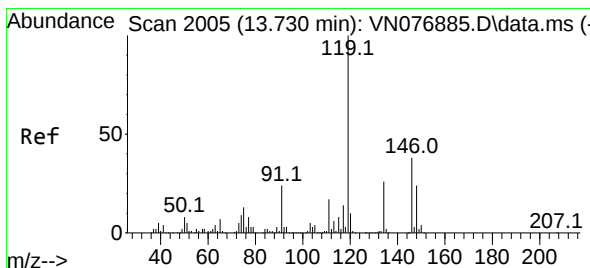
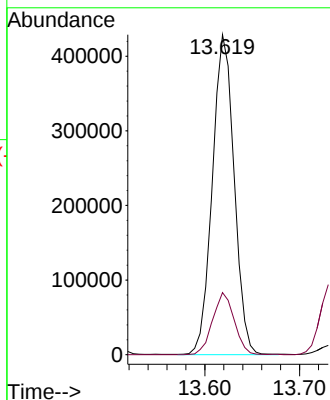
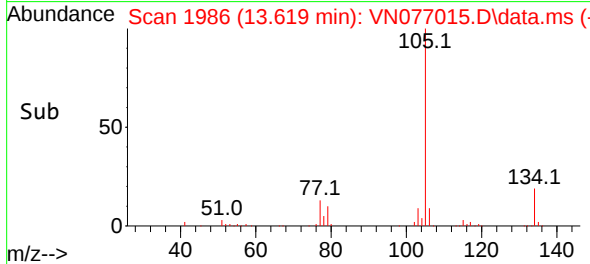
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01



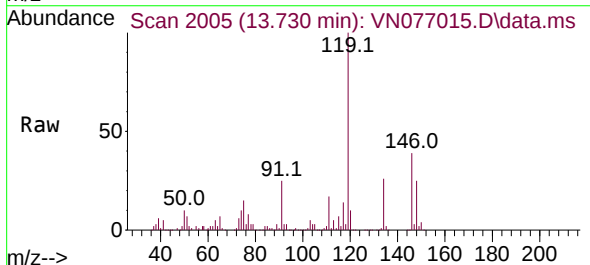
Tgt Ion:105 Resp: 68592
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 39.4

Manual Integrations
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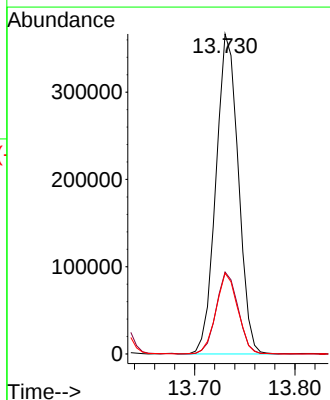
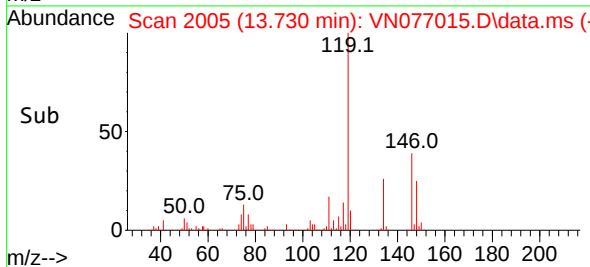
Reviewed By :John Carlone 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023

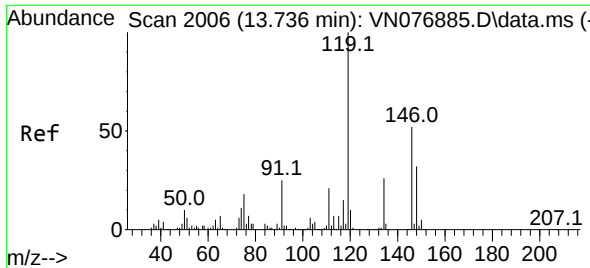


#82
 p-Isopropyltoluene
 Concen: 22.667 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN077015.D
 Acq: 16 Mar 2023 11:52



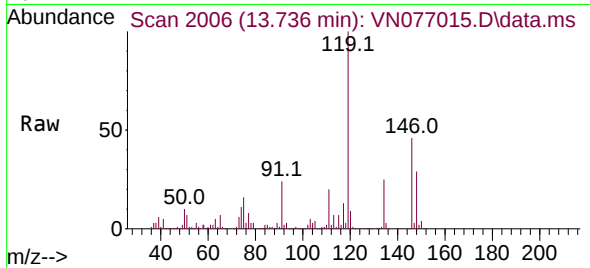
Tgt Ion:119 Resp: 568512
 Ion Ratio Lower Upper
 119 100
 134 25.1 0.0 53.4
 91 24.7 0.0 47.2





#83
1,3-Dichlorobenzene
Concen: 21.206 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

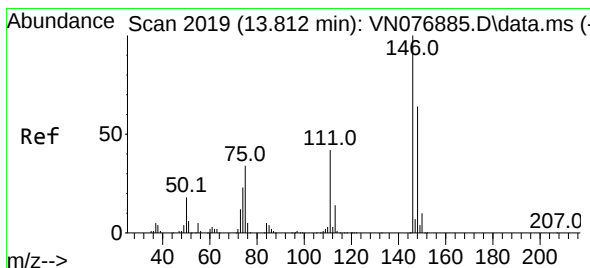
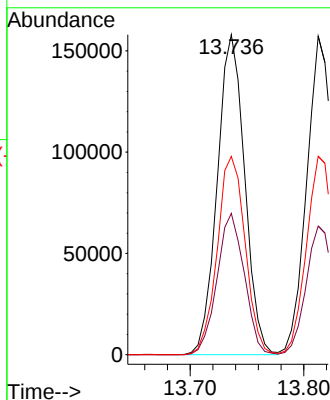
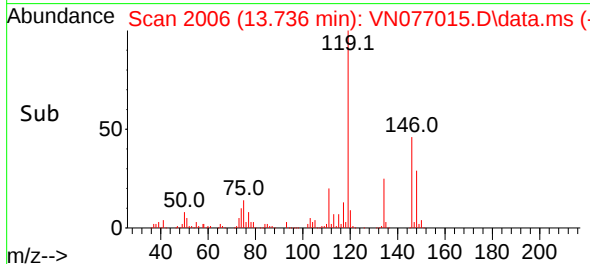
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



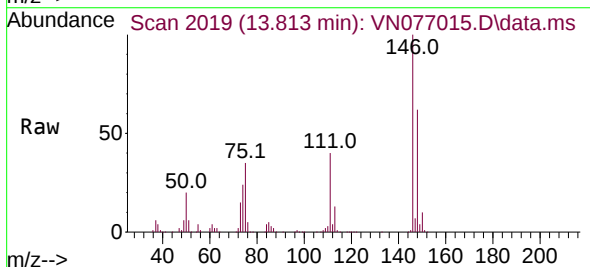
Tgt Ion:146 Resp: 265320
Ion Ratio Lower Upper
146 100
111 43.9 20.3 60.8
148 63.1 31.9 95.5

Manual Integrations
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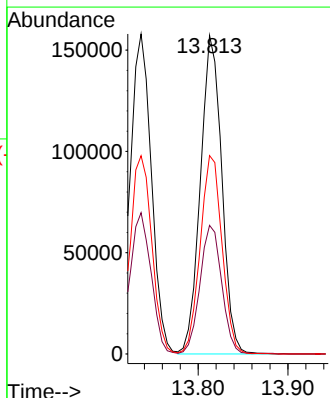
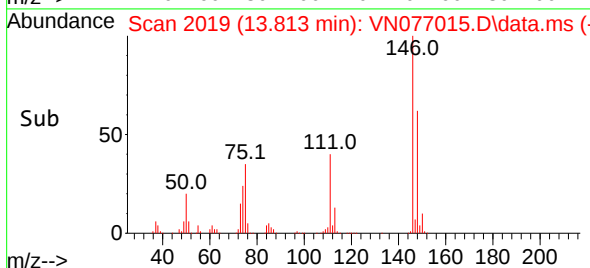
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

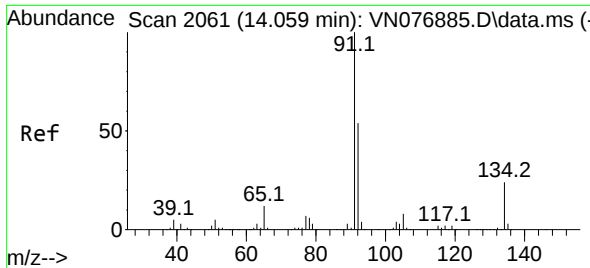


#84
1,4-Dichlorobenzene
Concen: 21.416 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52



Tgt Ion:146 Resp: 260282
Ion Ratio Lower Upper
146 100
111 41.0 18.2 54.6
148 63.6 31.1 93.2





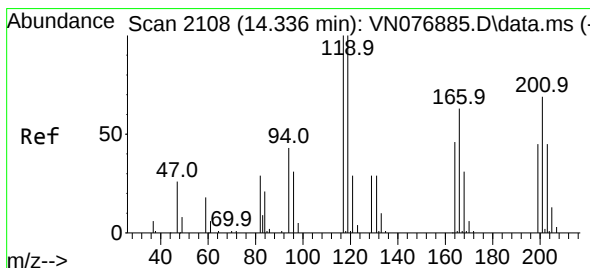
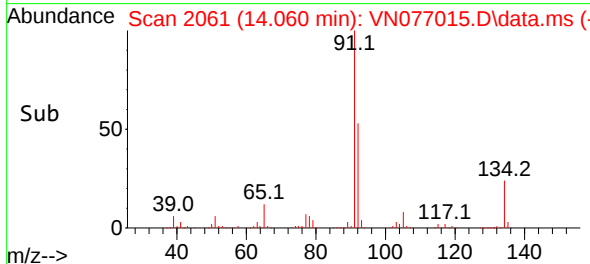
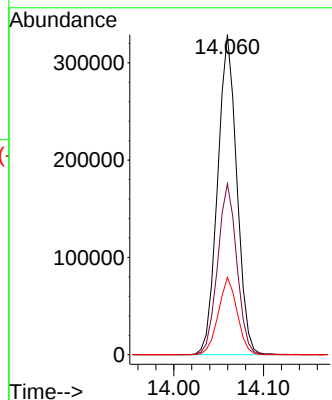
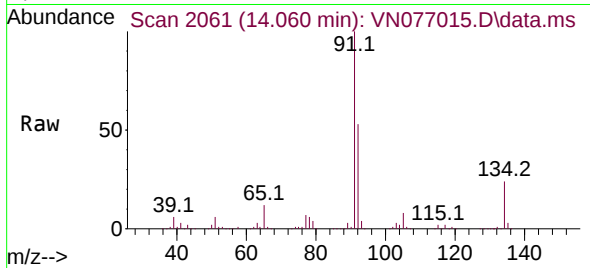
#85
n-Butylbenzene
Concen: 22.998 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tgt Ion: 91 Resp: 48892
Ion Ratio Lower Upper
91 100
92 53.3 0.0 103.2
134 23.7 0.0 50.0

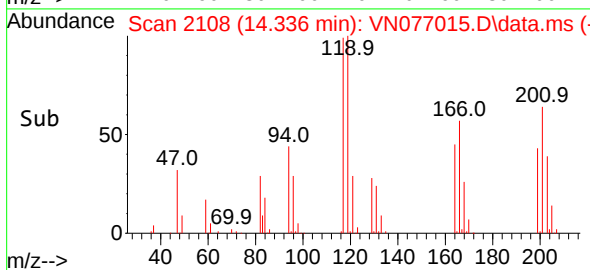
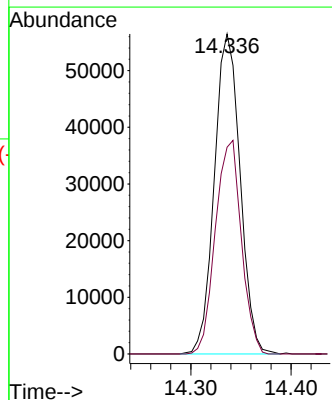
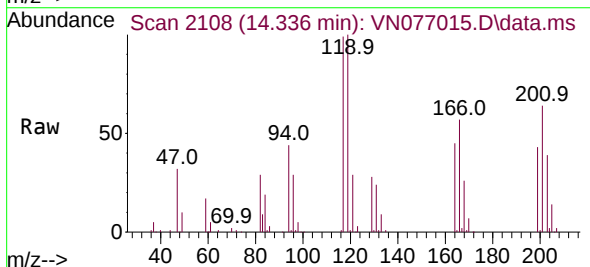
Manual Integrations
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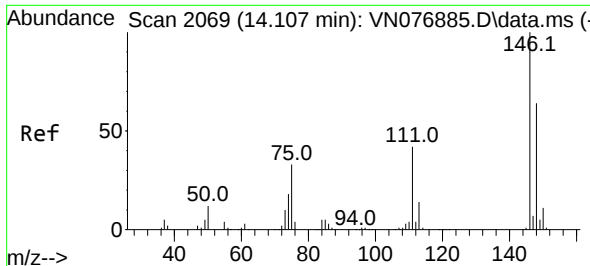
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#86
Hexachloroethane
Concen: 22.500 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

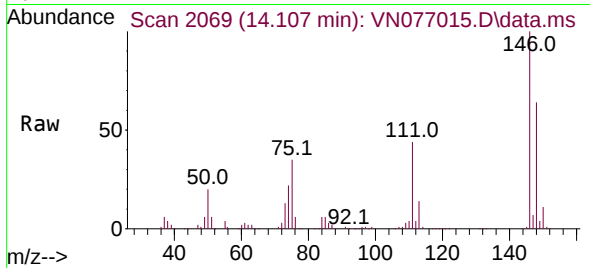
Tgt Ion:117 Resp: 100758
Ion Ratio Lower Upper
117 100
201 67.2 32.2 96.6





#87
1,2-Dichlorobenzene
Concen: 21.094 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

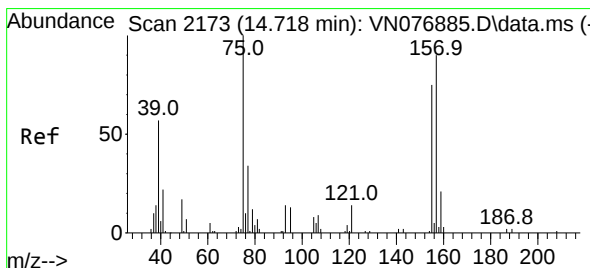
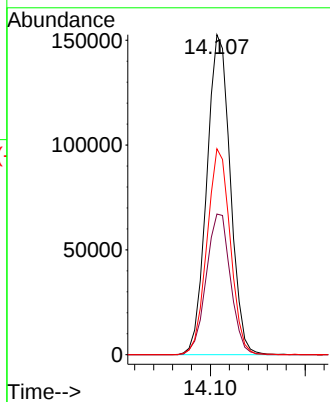
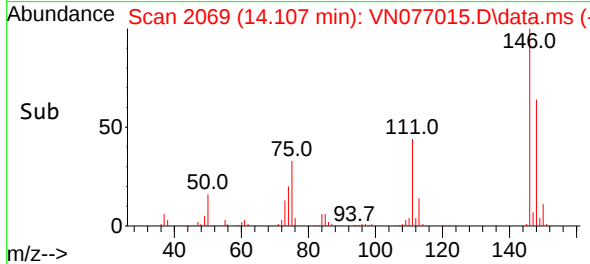
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



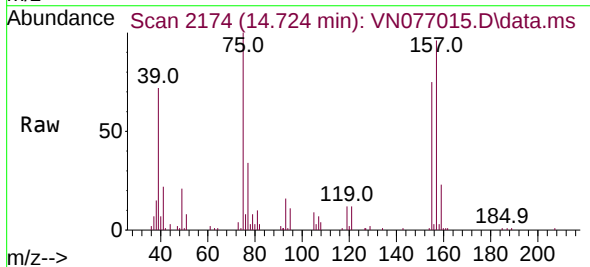
Tgt Ion:146 Resp: 263180
Ion Ratio Lower Upper
146 100
111 45.3 20.5 61.6
148 63.7 32.5 97.5

Manual Integrations
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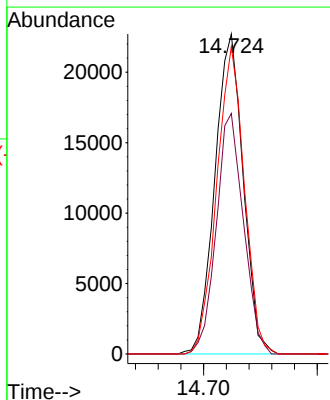
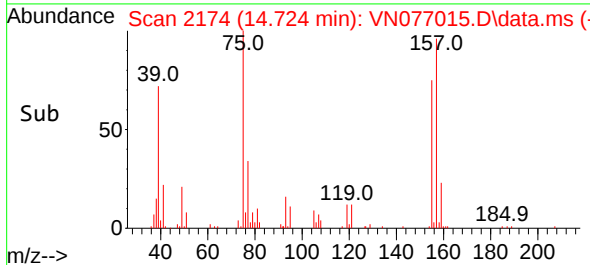
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

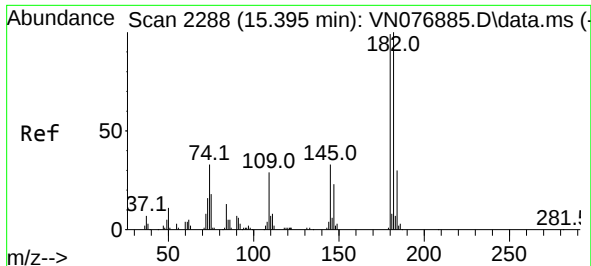


#88
1,2-Dibromo-3-Chloropropane
Concen: 22.311 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52



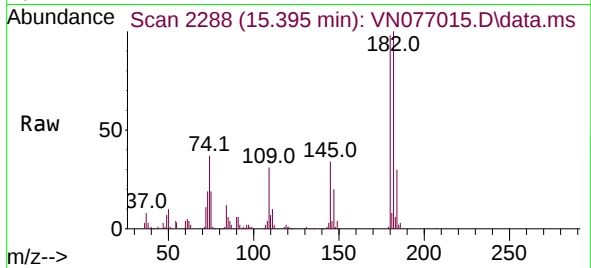
Tgt Ion: 75 Resp: 39261
Ion Ratio Lower Upper
75 100
155 72.2 62.5 93.7
157 93.6 77.5 116.3





#89
1,2,4-Trichlorobenzene
Concen: 19.775 ug/l
RT: 15.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

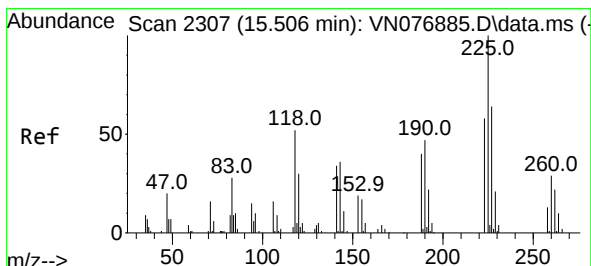
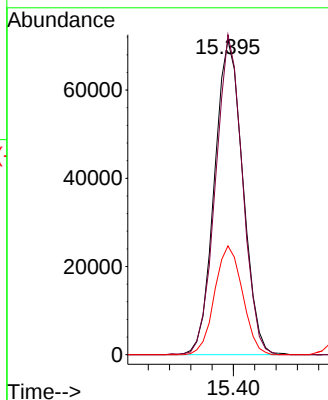
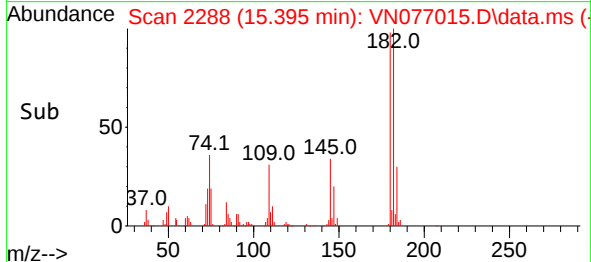
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



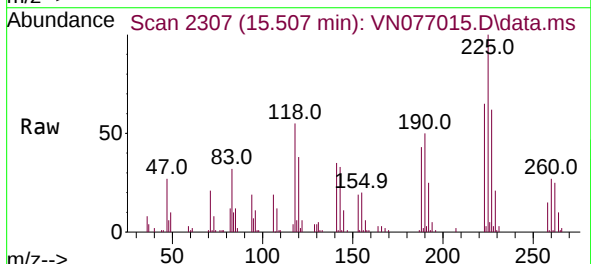
Tgt Ion:180 Resp: 13161
Ion Ratio Lower Upper
180 100
182 96.8 76.6 115.0
145 34.0 24.6 36.8

Manual Integrations
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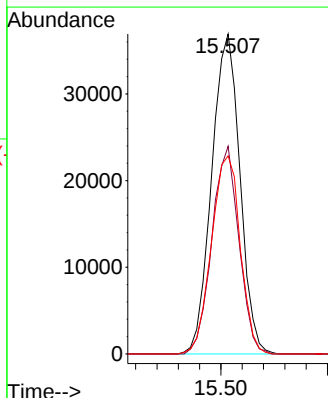
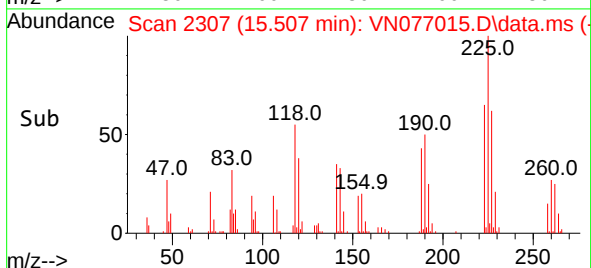
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

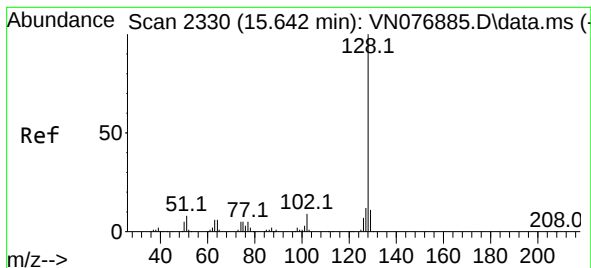


#90
Hexachlorobutadiene
Concen: 19.342 ug/l
RT: 15.507 min Scan# 2307
Delta R.T. 0.006 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52



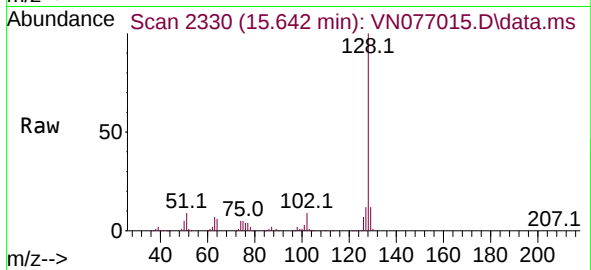
Tgt Ion:225 Resp: 67868
Ion Ratio Lower Upper
225 100
223 61.9 0.0 135.4
227 63.2 0.0 129.4





#91
Naphthalene
Concen: 20.880 ug/l
RT: 15.642 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

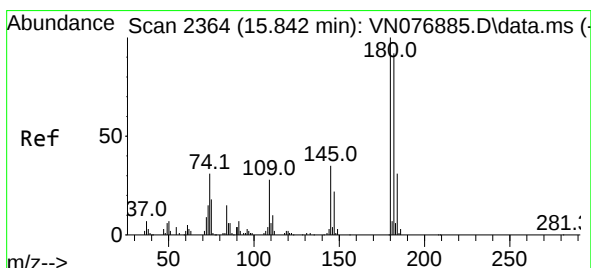
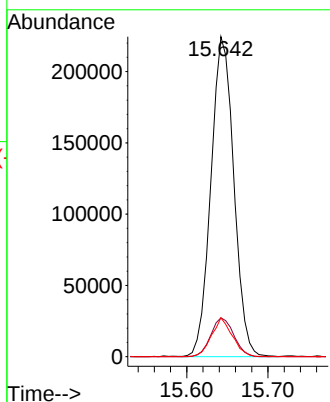
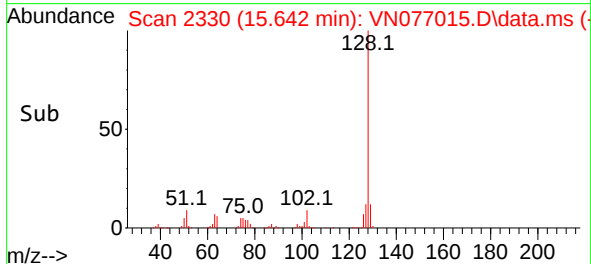
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01



Tgt Ion:128 Resp: 440775
Ion Ratio Lower Upper
128 100
127 12.1 11.0 16.6
129 11.0 8.9 13.3

Manual Integrations
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Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#92
1,2,3-Trichlorobenzene
Concen: 19.638 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: VN077015.D
Acq: 16 Mar 2023 11:52

Tgt Ion:180 Resp: 131029
Ion Ratio Lower Upper
180 100
182 94.7 0.0 190.8
145 35.9 0.0 65.0

