

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041423\
 Data File : VN077342.D
 Acq On : 14 Apr 2023 10:03
 Operator : JC\MD
 Sample : VN0414WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2023
 Supervised By : Mahesh Dadoda 04/17/2023

Quant Time: Apr 17 05:05:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	49987	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	369284	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.872	117	402446	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	127009	29.959	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.867%		
60) 4-Bromofluorobenzene	12.854	95	206014	29.604	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.667%		
63) Toluene-d8	10.572	98	428752	30.305	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.033%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	89820	18.901	ug/l	98
3) Chloromethane	2.372	50	107222	16.983	ug/l	99
4) Vinyl Chloride	2.525	62	151620	16.767	ug/l	97
5) Bromomethane	2.966	94	110960	16.284	ug/l	99
6) Chloroethane	3.125	64	106395	17.553	ug/l	89
7) Trichlorofluoromethane	3.507	101	148186	17.599	ug/l	96
8) Diethyl Ether	3.972	74	68786	19.166	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.390	101	100724	19.130	ug/l	98
10) 1,1-Dichloroethene	4.354	96	93210	17.696	ug/l	95
11) Methyl Iodide	4.607	142	117651	19.771	ug/l	89
12) Methyl Acetate	5.037	43	143744	18.317	ug/l	97
13) Acrolein	4.190	56	90996	93.417	ug/l	96
14) Acrylonitrile	5.731	53	241234	89.931	ug/l	98
15) Acetone	4.437	58	76392	78.500	ug/l	86
16) Carbon Disulfide	4.725	76	231435	16.647	ug/l	97
17) Allyl chloride	5.031	41	104881	15.468	ug/l	97
18) Methylene Chloride	5.290	84	110816	18.117	ug/l	97
19) trans-1,2-Dichloroethene	5.801	96	101316	17.690	ug/l	92
20) Diisopropyl ether	6.684	45	276338	17.100	ug/l	98
21) 1,1-Dichloroethane	6.584	63	185261	18.086	ug/l #	97
22) cis-1,2-Dichloroethene	7.490	96	126813	18.163	ug/l	98
23) tert-Butyl Alcohol	5.537	59	109277m	91.618	ug/l	
24) Methyl tert-Butyl Ether	5.801	73	350051	18.460	ug/l #	79
25) Chloroform	7.972	83	203009	18.288	ug/l	98
26) Cyclohexane	8.266	56	148888	16.728	ug/l #	97
29) 1,1-Dichloropropene	8.378	75	143338	17.918	ug/l	97
30) 2-Butanone	7.490	43	316068	83.550	ug/l	98
31) 2,2-Dichloropropane	7.495	77	170726	17.385	ug/l	99
32) 1,1,1-Trichloroethane	8.172	97	182416	18.529	ug/l	99
33) Carbon Tetrachloride	8.366	117	158252	18.834	ug/l	97
34) Benzene	8.613	78	456516	18.443	ug/l	97
35) Methacrylonitrile	7.784	41	62112	17.429	ug/l	95
36) 1,2-Dichloroethane	8.678	62	153399	19.767	ug/l	98
37) Trichloroethene	9.354	130	114126	18.850	ug/l	97
38) Methylcyclohexane	9.607	83	192649	17.756	ug/l	99
39) 1,2-Dichloropropane	9.619	63	114676	18.663	ug/l	96
40) Dibromomethane	9.713	93	86618	19.564	ug/l	98
41) Bromodichloromethane	9.889	83	169168	19.162	ug/l	96
42) Vinyl Acetate	6.613	43	1084050m	99.013	ug/l	

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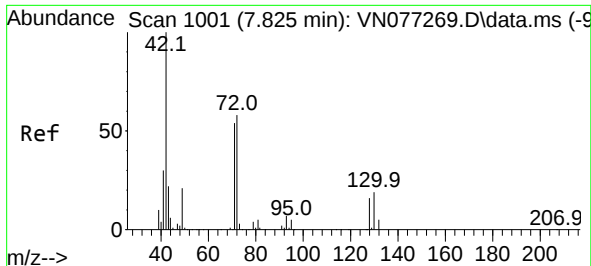
Manual Integrations
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 Supervised By : Mahesh Dadoda 04/17/2023

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	130469m	18.641	ug/l	
44) Isopropyl Acetate	8.695	43	229996	18.354	ug/l #	100
45) 1,4-Dioxane	9.695	88	49236	372.545	ug/l	97
46) Methyl methacrylate	9.684	41	97845	18.135	ug/l	96
47) n-amyl Acetate	12.495	43	192786	17.604	ug/l	99
48) t-1,3-Dichloropropene	10.836	75	181425	18.363	ug/l	96
49) cis-1,3-Dichloropropene	10.319	75	194633	18.518	ug/l	96
50) 1,1,2-Trichloroethane	11.019	97	123443	19.196	ug/l	96
51) Ethyl methacrylate	10.878	69	187351	18.971	ug/l	94
52) 1,3-Dichloropropane	11.166	76	207017	19.288	ug/l	98
53) Dibromochloromethane	11.366	129	130812	19.300	ug/l	99
54) 1,2-Dibromoethane	11.472	107	121846	18.874	ug/l	98
55) 2-Chloroethyl vinyl ether	10.166	63	299134	98.109	ug/l	96
56) Bromoform	12.583	173	84860	18.639	ug/l	99
58) 4-Methyl-2-Pentanone	10.448	43	689807	91.545	ug/l	99
59) 2-Hexanone	11.201	43	499682	85.791	ug/l	98
61) Tetrachloroethene	11.107	164	88446	18.477	ug/l	92
62) Toluene	10.636	91	526404	18.747	ug/l	99
64) Chlorobenzene	11.895	112	323767	18.979	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.966	131	121858	19.425	ug/l	98
66) Ethyl Benzene	11.966	91	576261	18.524	ug/l	98
67) m/p-Xylenes	12.077	106	451487	37.027	ug/l	100
68) o-Xylene	12.401	106	225485	18.484	ug/l	99
69) Styrene	12.413	104	356844	18.258	ug/l	98
70) Isopropylbenzene	12.701	105	585564	18.914	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.942	83	184612	19.473	ug/l	98
72) 1,2,3-Trichloropropane	12.995	75	133652m	20.739	ug/l	
73) Bromobenzene	12.983	156	124030	19.719	ug/l	91
74) n-propylbenzene	13.042	91	639898	18.681	ug/l	100
75) 2-Chlorotoluene	13.130	91	378896	18.465	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	465342	18.468	ug/l	98
77) t-1,4-Dichloro-2-butene	12.742	75	56271	17.143	ug/l	93
78) 4-Chlorotoluene	13.224	91	360241	18.580	ug/l	99
79) tert-butylbenzene	13.442	119	406296	18.528	ug/l	99
80) 1,2,4-Trimethylbenzene	13.483	105	445689	18.145	ug/l	98
81) sec-Butylbenzene	13.619	105	586190	18.717	ug/l	100
82) p-Isopropyltoluene	13.736	119	463162	18.459	ug/l	99
83) 1,3-Dichlorobenzene	13.736	146	222021	18.617	ug/l	100
84) 1,4-Dichlorobenzene	13.819	146	213012	18.410	ug/l	99
85) n-Butylbenzene	14.060	91	366148	17.659	ug/l	99
86) Hexachloroethane	14.336	117	98208	18.400	ug/l	97
87) 1,2-Dichlorobenzene	14.107	146	219486	18.783	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.730	75	32010	17.620	ug/l	97
89) 1,2,4-Trichlorobenzene	15.371	180	68222	14.842	ug/l	97
90) Hexachlorobutadiene	15.466	225	43630	18.508	ug/l	97
91) Naphthalene	15.589	128	262594	14.955	ug/l	99
92) 1,2,3-Trichlorobenzene	15.760	180	65929	14.700	ug/l	98

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



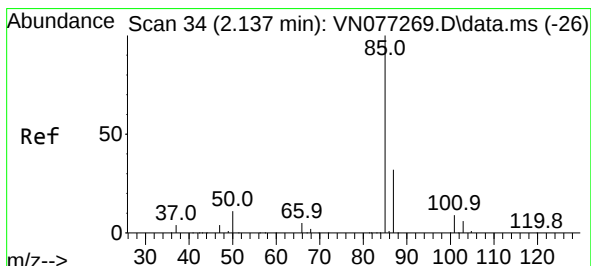
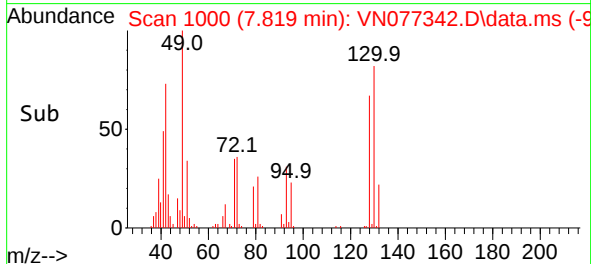
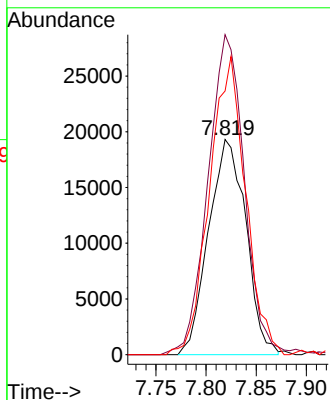
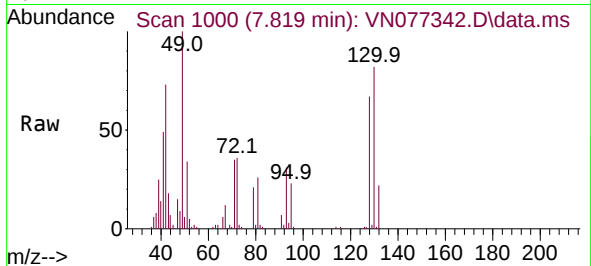
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tgt Ion:128 Resp: 4998
Ion Ratio Lower Upper
128 100
49 144.6 0.0 379.5
130 133.6 0.0 322.8

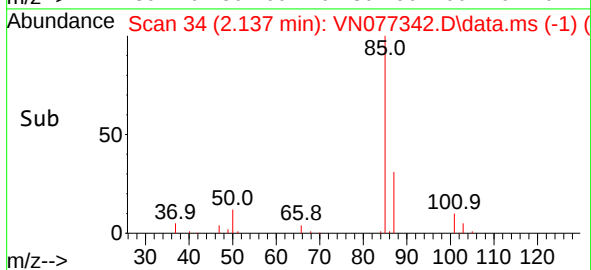
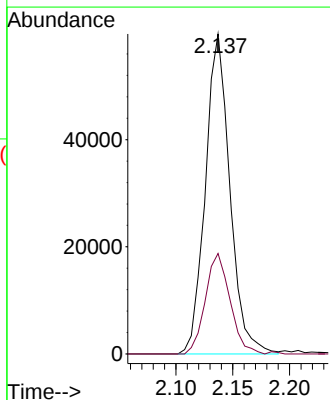
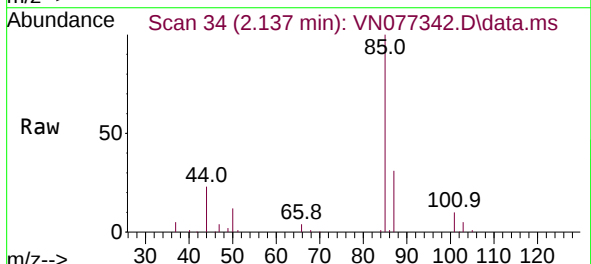
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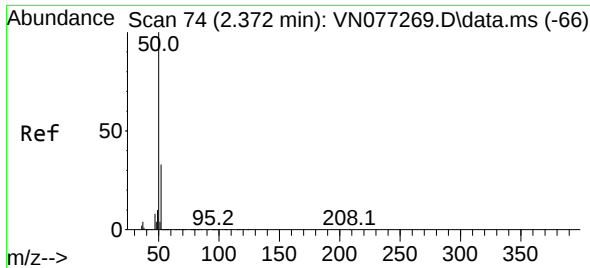
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#2
Dichlorodifluoromethane
Concen: 18.901 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Tgt Ion: 85 Resp: 89820
Ion Ratio Lower Upper
85 100
87 31.4 16.2 48.6





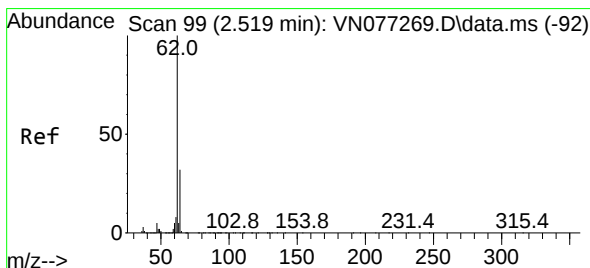
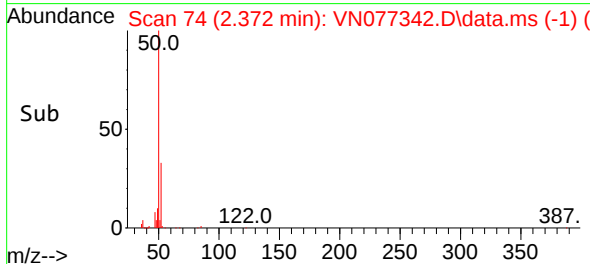
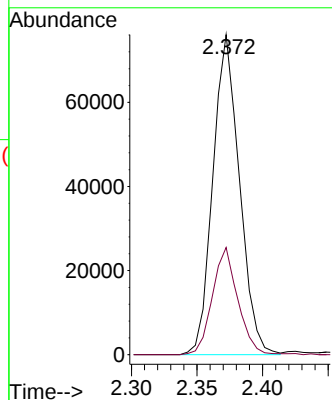
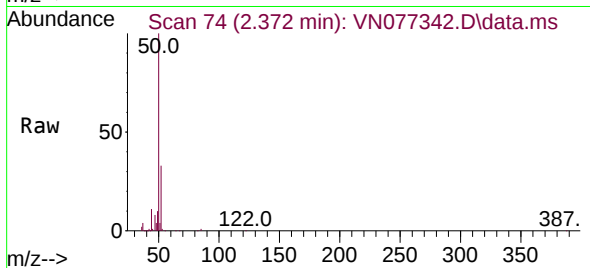
#3
Chloromethane
Concen: 16.983 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tgt Ion: 50 Resp: 10722
Ion Ratio Lower Upper
50 100
52 33.5 26.4 39.6

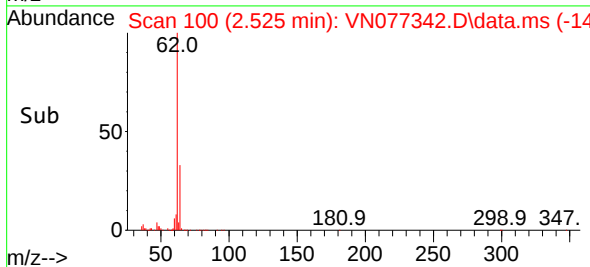
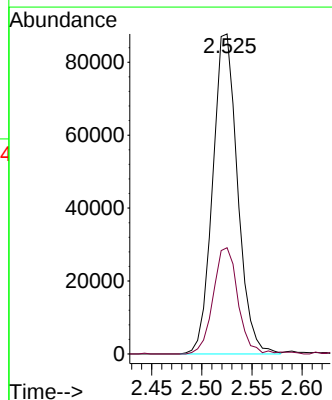
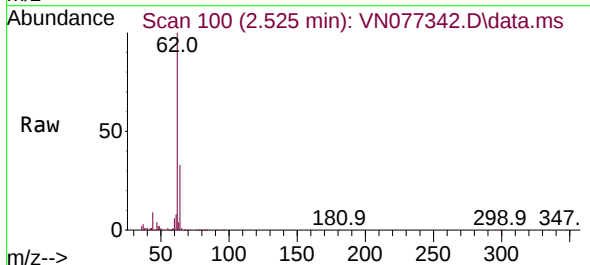
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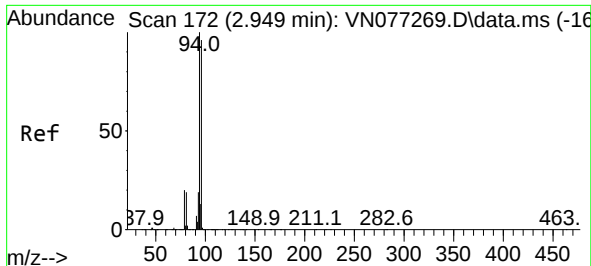
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#4
Vinyl Chloride
Concen: 16.767 ug/l
RT: 2.525 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

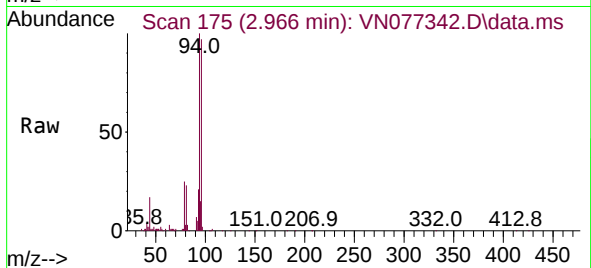
Tgt Ion: 62 Resp: 151620
Ion Ratio Lower Upper
62 100
64 33.2 25.4 38.0





#5
Bromomethane
Concen: 16.284 ug/l
RT: 2.966 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

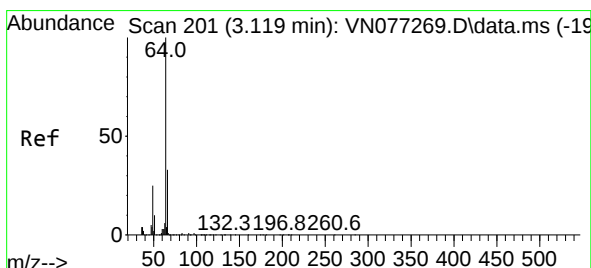
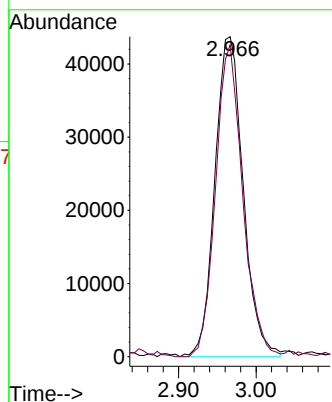
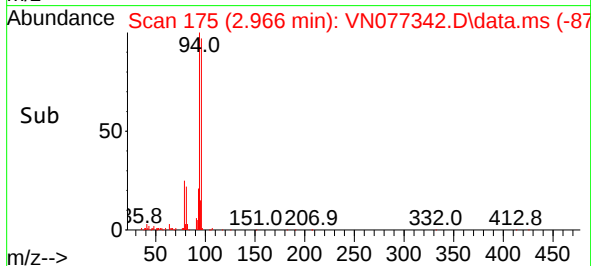
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



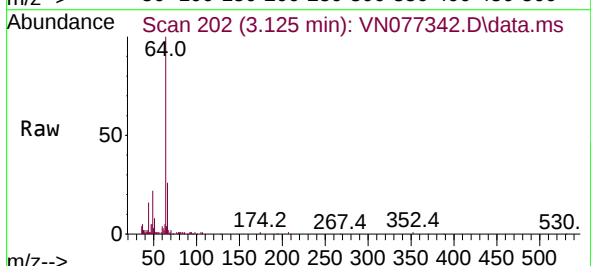
Tgt Ion: 94 Resp: 110960
Ion Ratio Lower Upper
94 100
96 97.5 77.0 115.6

Manual Integrations
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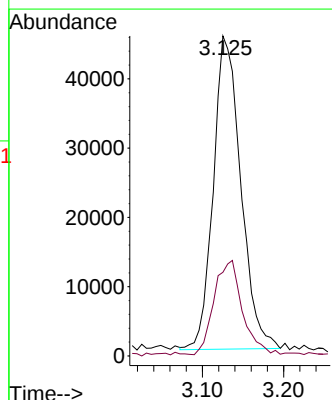
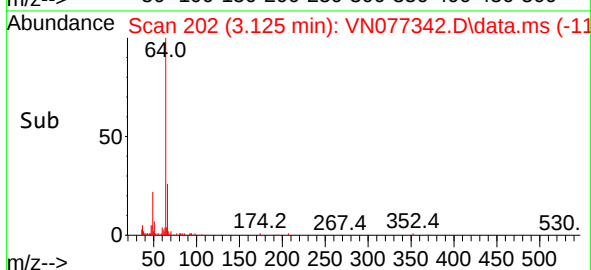
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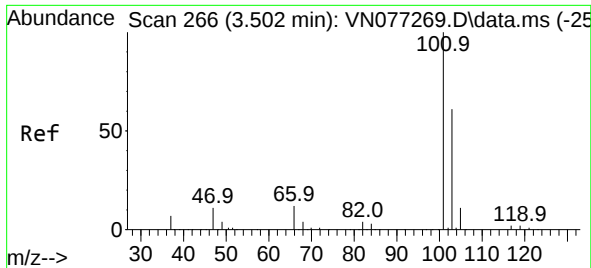


#6
Chloroethane
Concen: 17.553 ug/l
RT: 3.125 min Scan# 202
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03



Tgt Ion: 64 Resp: 106395
Ion Ratio Lower Upper
64 100
66 26.2 25.7 38.5





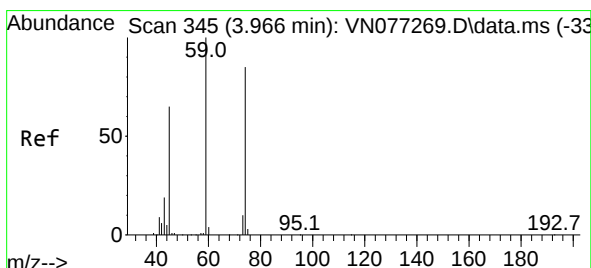
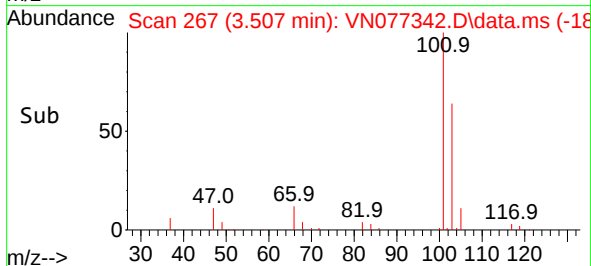
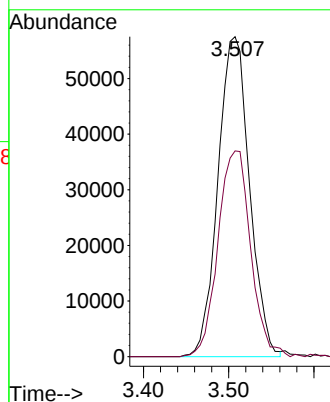
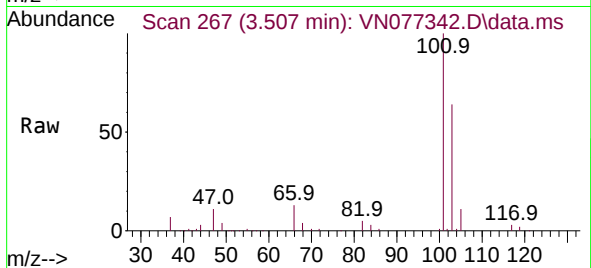
#7
Trichlorofluoromethane
Concen: 17.599 ug/l
RT: 3.507 min Scan# 266
Delta R.T. 0.005 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

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Tgt Ion:101 Resp: 148186
Ion Ratio Lower Upper
101 100
103 64.3 48.9 73.3

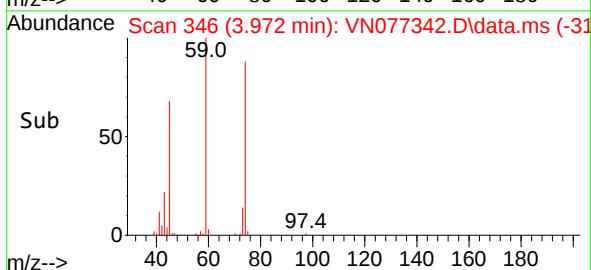
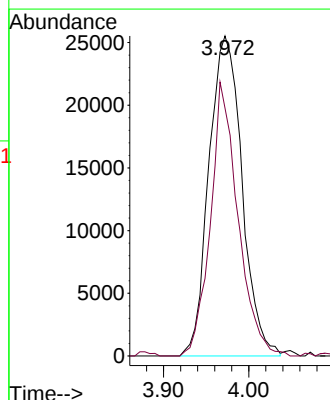
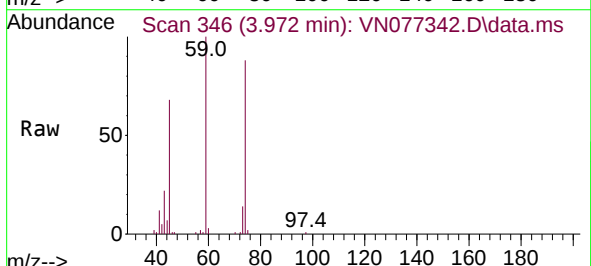
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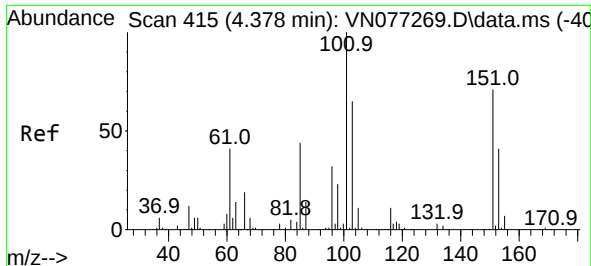
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#8
Diethyl Ether
Concen: 19.166 ug/l
RT: 3.972 min Scan# 346
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Tgt Ion: 74 Resp: 68786
Ion Ratio Lower Upper
74 100
45 71.3 14.8 133.6





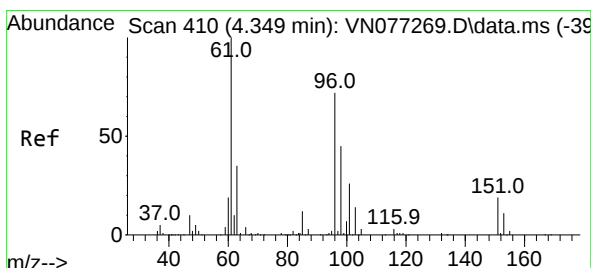
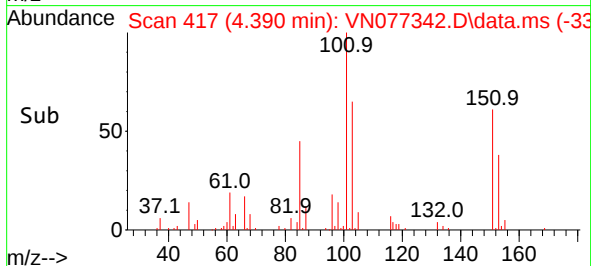
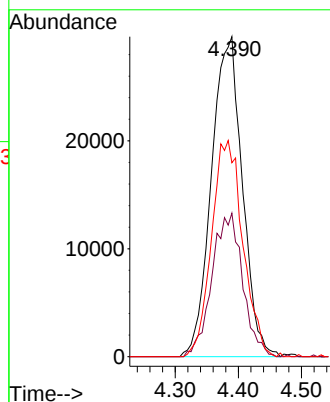
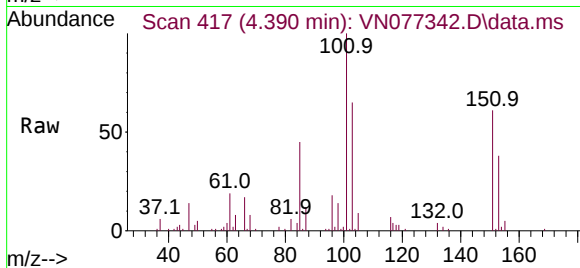
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1,1,2-Trichlorotrifluoroethane
Concen: 19.130 ug/l
RT: 4.390 min Scan# 415
Delta R.T. 0.012 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tgt Ion:101 Resp: 100724
Ion Ratio Lower Upper
101 100
85 44.4 0.0 89.6
151 68.3 0.0 141.6

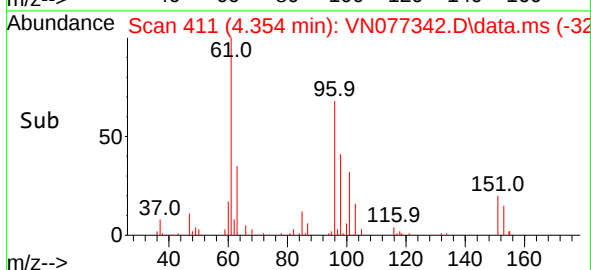
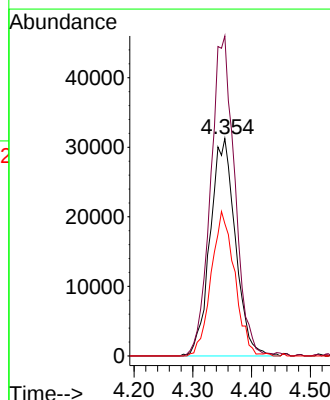
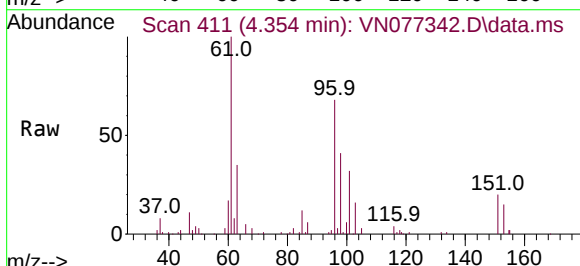
Manual Integrations
APPROVED

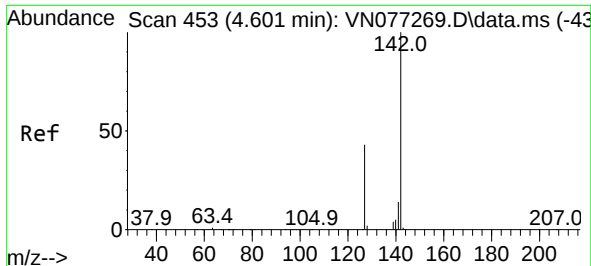
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#10
1,1-Dichloroethene
Concen: 17.696 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.005 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

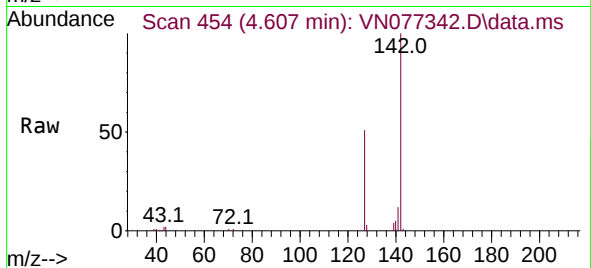
Tgt Ion: 96 Resp: 93210
Ion Ratio Lower Upper
96 100
61 147.2 110.7 166.1
98 60.9 49.6 74.4





#11
Methyl Iodide
Concen: 19.771 ug/l
RT: 4.607 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

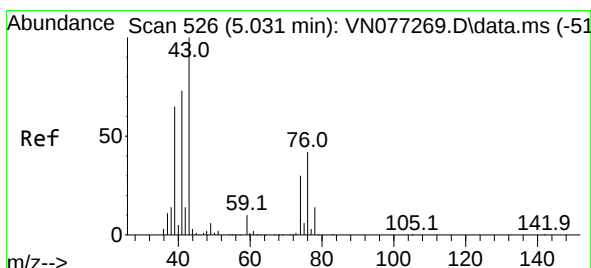
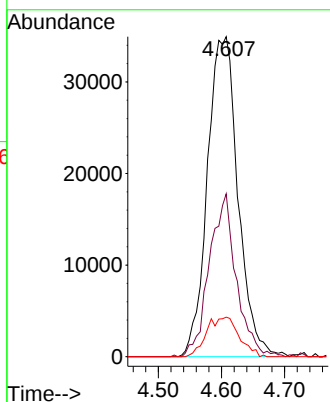
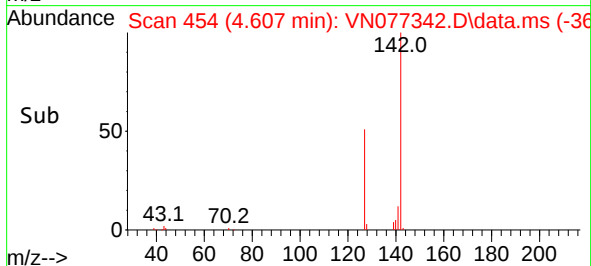
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion:142 Resp: 11765
Ion Ratio Lower Upper
142 100
127 50.8 21.3 63.7
141 11.9 7.0 20.9

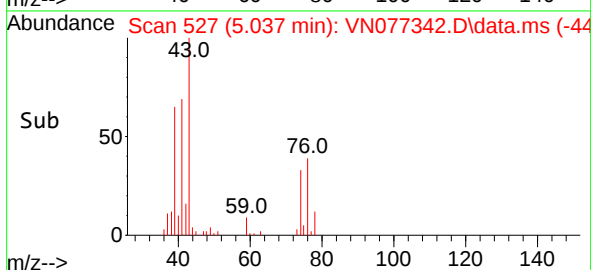
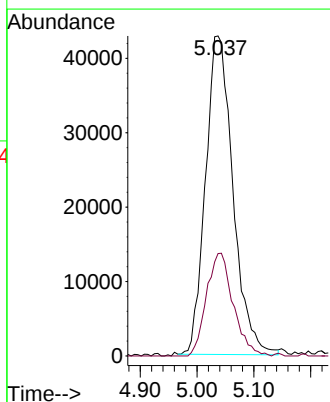
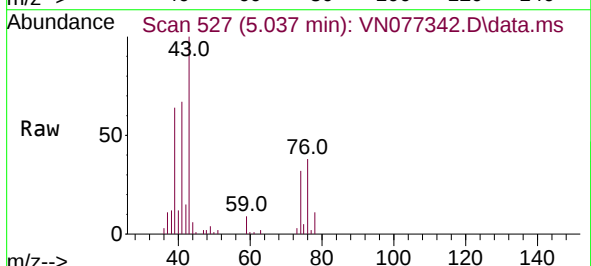
Manual Integrations
APPROVED

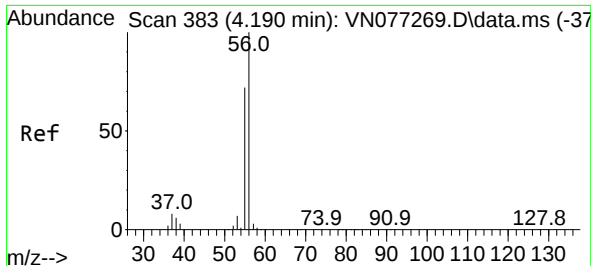
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#12
Methyl Acetate
Concen: 18.317 ug/l
RT: 5.037 min Scan# 527
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

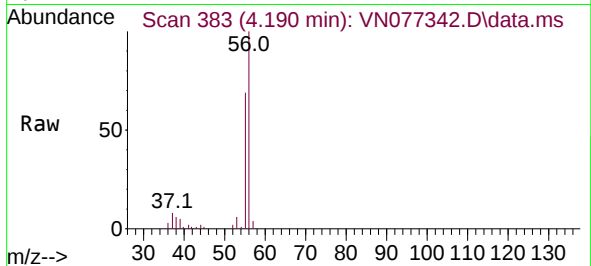
Tgt Ion: 43 Resp: 143744
Ion Ratio Lower Upper
43 100
74 32.0 24.2 36.2





#13
Acrolein
Concen: 93.417 ug/l
RT: 4.190 min Scan# 383
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

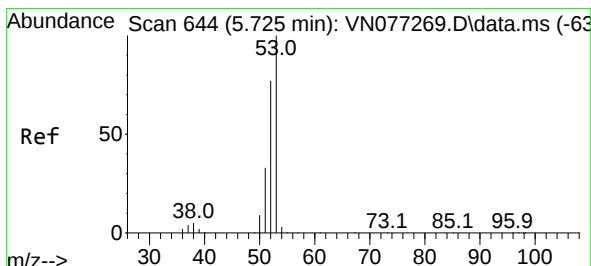
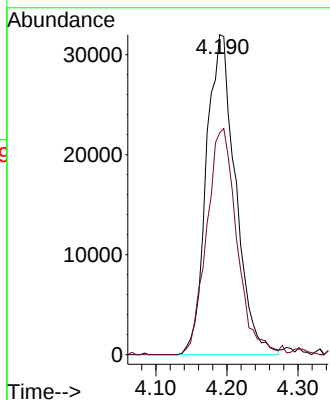
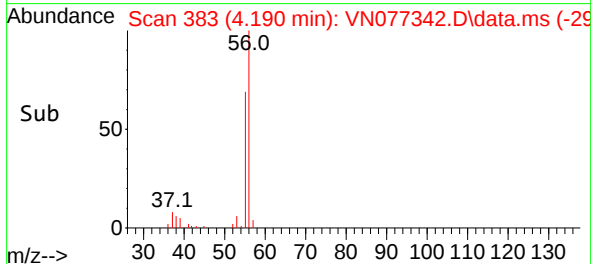
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



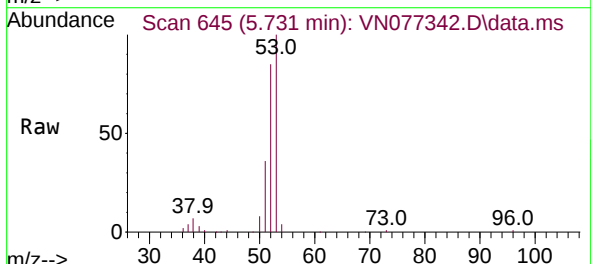
Tgt Ion: 56 Resp: 90990
Ion Ratio Lower Upper
56 100
55 72.2 55.2 82.8

Manual Integrations
APPROVED

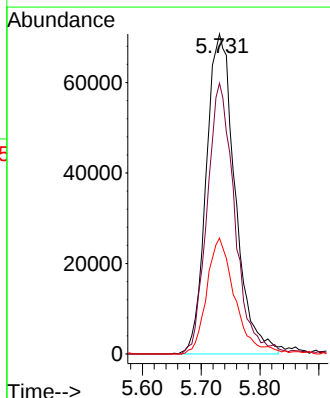
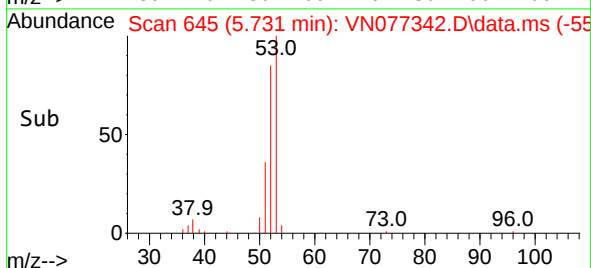
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

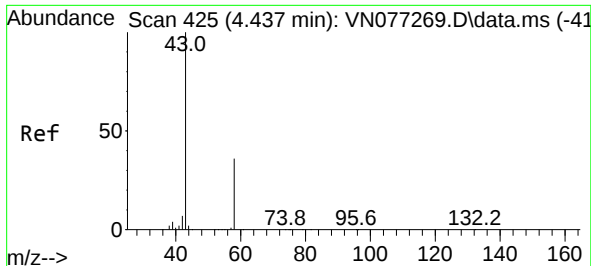


#14
Acrylonitrile
Concen: 89.931 ug/l
RT: 5.731 min Scan# 645
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03



Tgt Ion: 53 Resp: 241234
Ion Ratio Lower Upper
53 100
52 79.8 41.0 123.0
51 34.4 17.7 53.1





#15

Acetone

Concen: 78.500 ug/l

RT: 4.437 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tgt Ion: 58 Resp: 76392

Ion Ratio Lower Upper

58 100

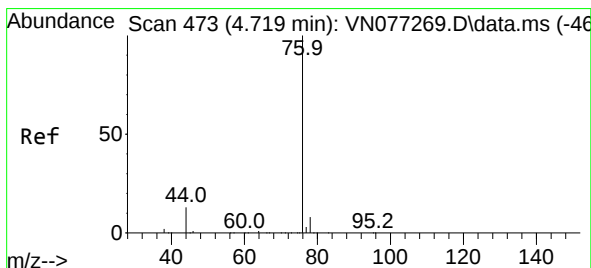
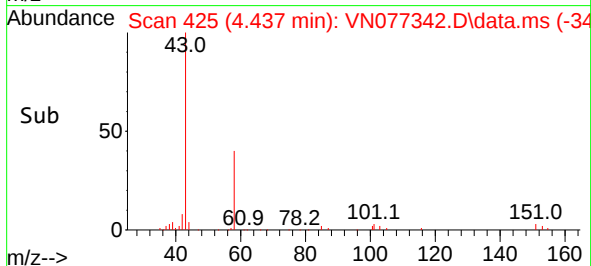
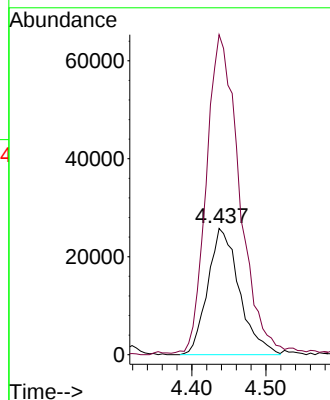
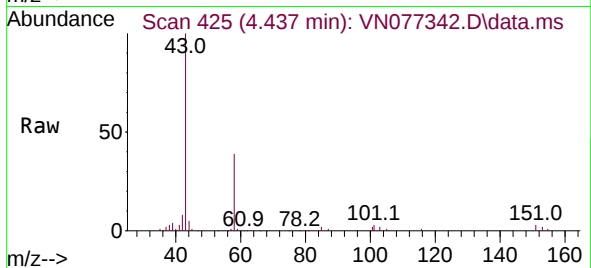
43 250.6 220.9 331.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#16

Carbon Disulfide

Concen: 16.647 ug/l

RT: 4.725 min Scan# 474

Delta R.T. 0.006 min

Lab File: VN077342.D

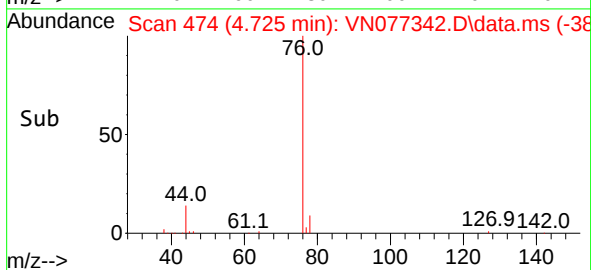
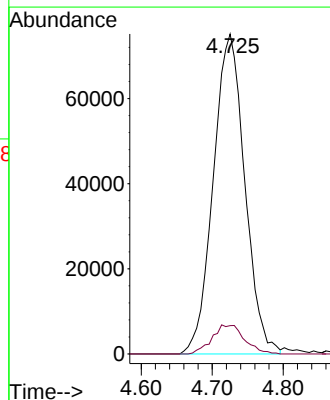
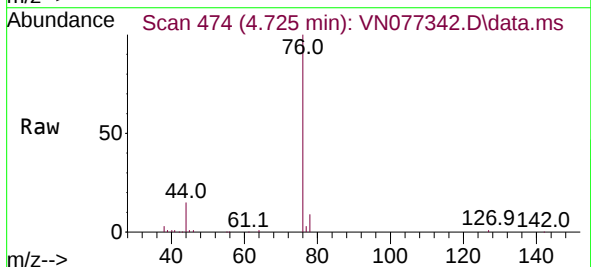
Acq: 14 Apr 2023 10:03

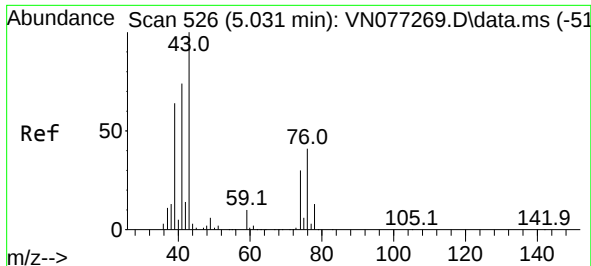
Tgt Ion: 76 Resp: 231435

Ion Ratio Lower Upper

76 100

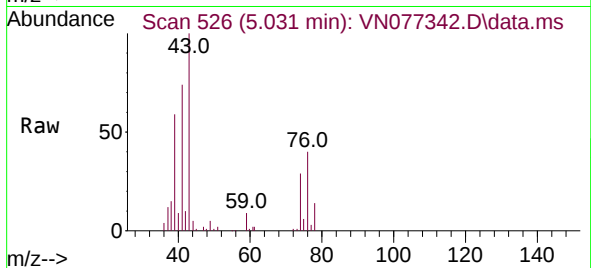
78 8.8 6.3 9.5





#17
Allyl chloride
Concen: 15.468 ug/l
RT: 5.031 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

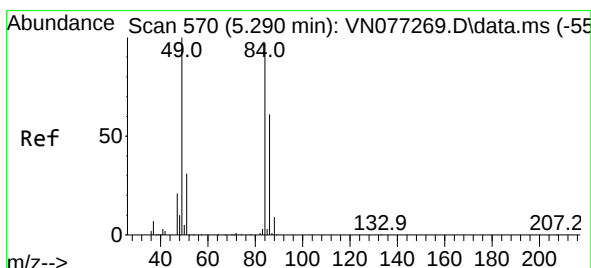
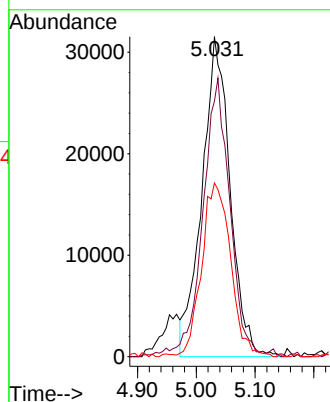
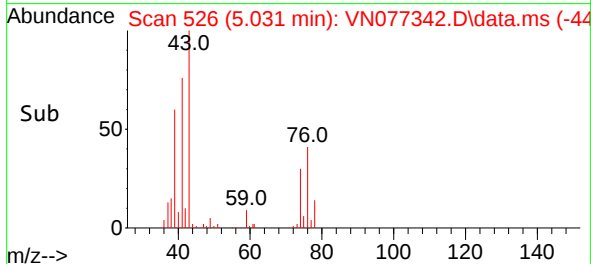
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion: 41 Resp: 10488
Ion Ratio Lower Upper
41 100
39 79.0 40.3 120.9
76 53.7 25.3 75.8

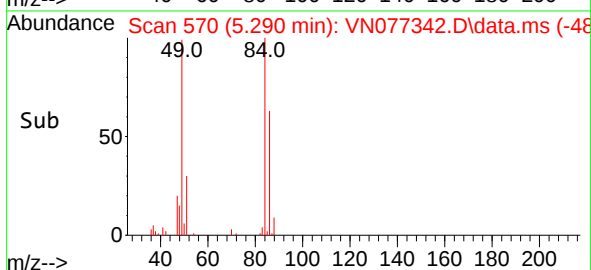
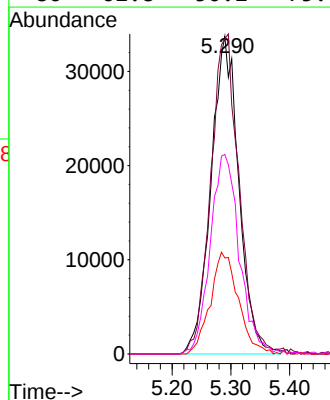
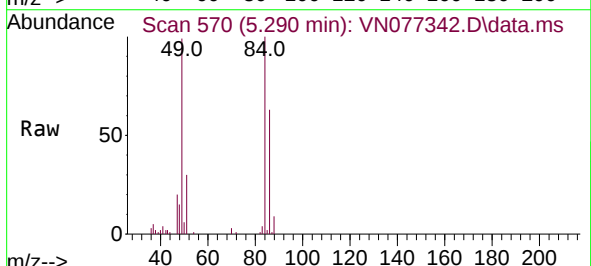
Manual Integrations
APPROVED

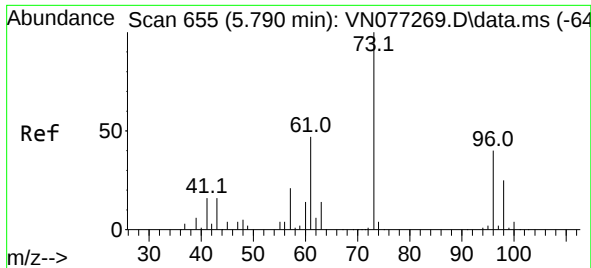
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#18
Methylene Chloride
Concen: 18.117 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

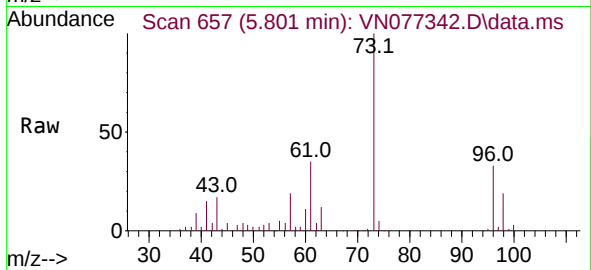
Tgt Ion: 84 Resp: 110816
Ion Ratio Lower Upper
84 100
49 99.2 82.7 124.1
51 30.2 25.6 38.4
86 62.8 50.2 75.4





#19
trans-1,2-Dichloroethene
Concen: 17.690 ug/l
RT: 5.801 min Scan# 61
Delta R.T. 0.011 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

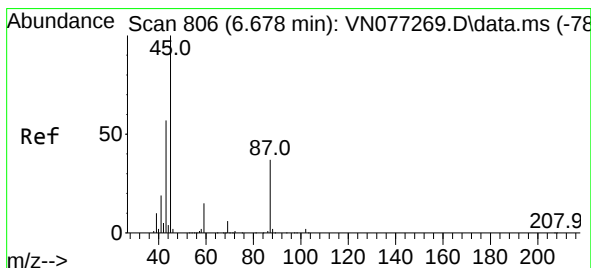
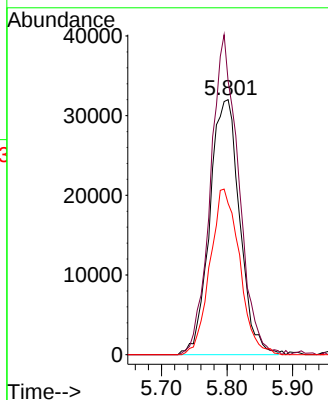
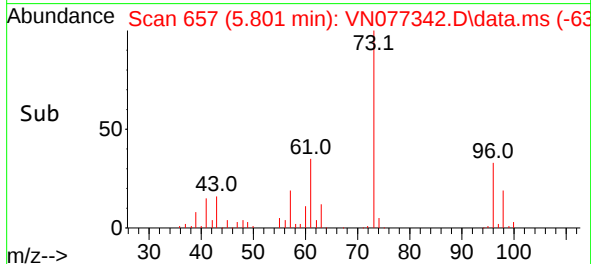
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



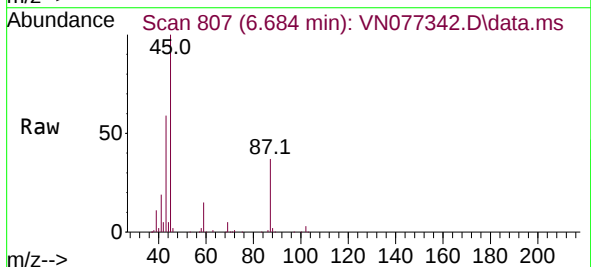
Tgt Ion: 96 Resp: 101310
Ion Ratio Lower Upper
96 100
61 107.3 94.5 141.7
98 59.3 49.8 74.8

Manual Integrations
APPROVED

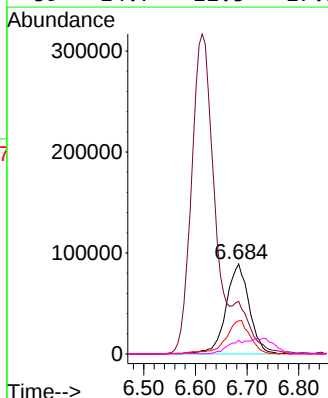
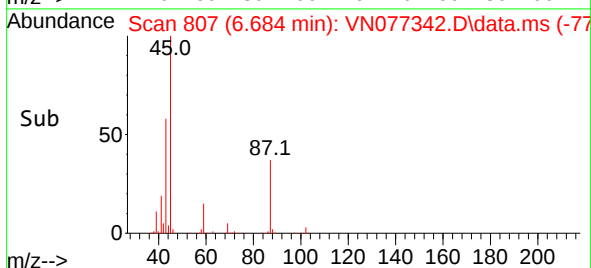
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

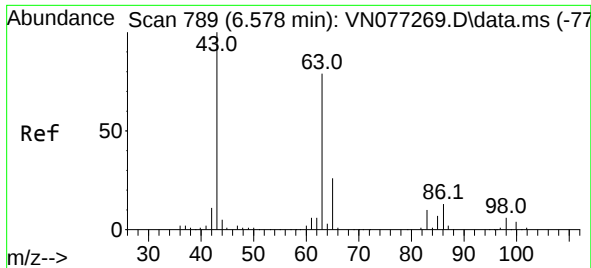


#20
Diisopropyl ether
Concen: 17.100 ug/l
RT: 6.684 min Scan# 807
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03



Tgt Ion: 45 Resp: 276338
Ion Ratio Lower Upper
45 100
43 55.2 45.9 68.9
87 36.8 30.1 45.1
59 14.7 11.5 17.3





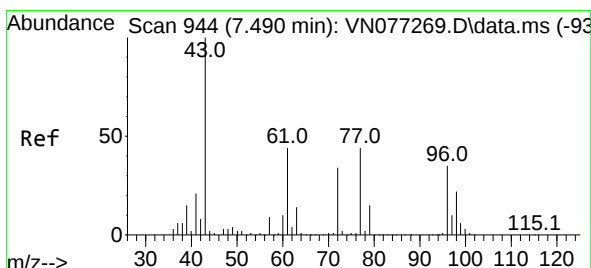
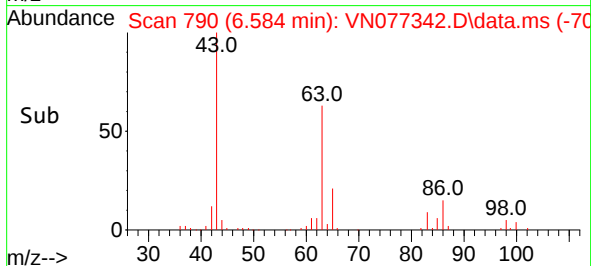
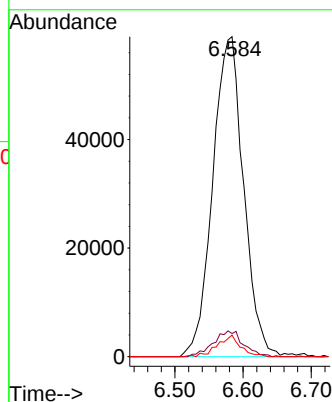
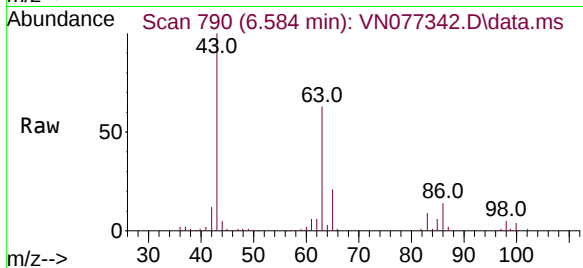
#21
1,1-Dichloroethane
Concen: 18.086 ug/l
RT: 6.584 min Scan# 790
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tgt Ion: 63 Resp: 18526
Ion Ratio Lower Upper
63 100
98 7.3 3.9 11.7
100 6.8 2.3 6.8

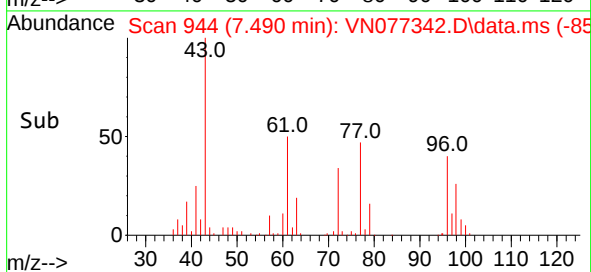
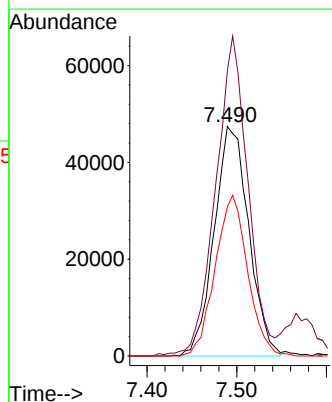
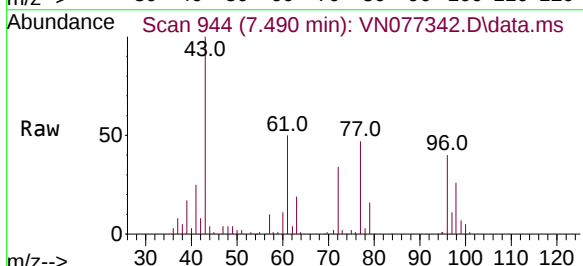
Manual Integrations
APPROVED

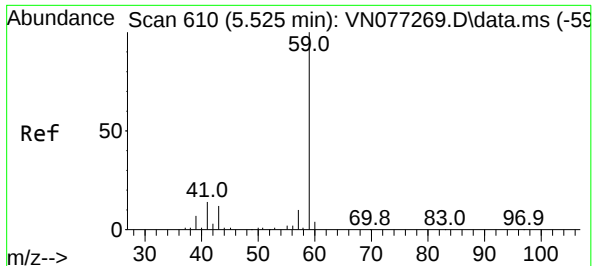
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#22
cis-1,2-Dichloroethene
Concen: 18.163 ug/l
RT: 7.490 min Scan# 944
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Tgt Ion: 96 Resp: 126813
Ion Ratio Lower Upper
96 100
61 129.9 105.5 158.3
98 65.8 51.8 77.6





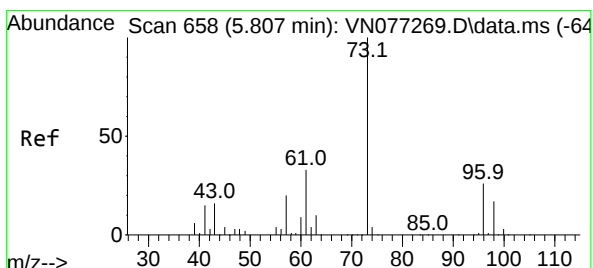
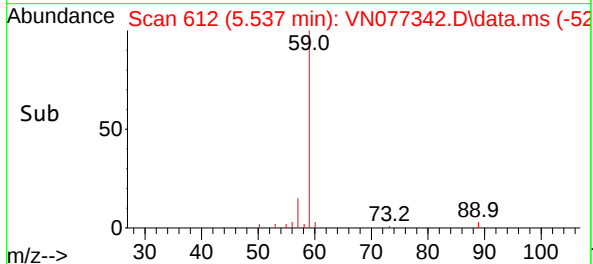
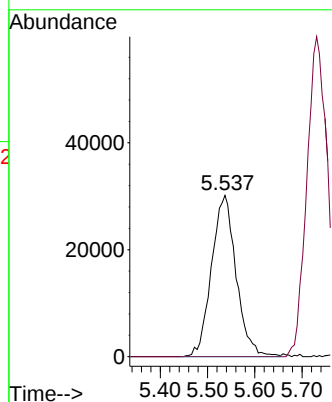
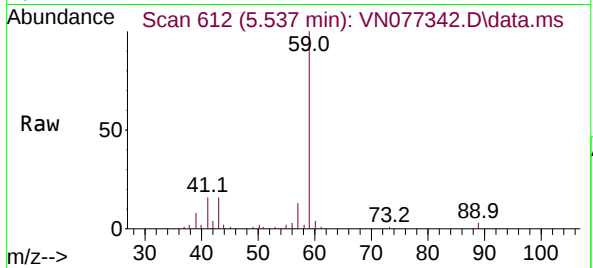
#23
tert-Butyl Alcohol
Concen: 91.618 ug/l m
RT: 5.537 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tgt Ion: 59 Resp: 10927
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

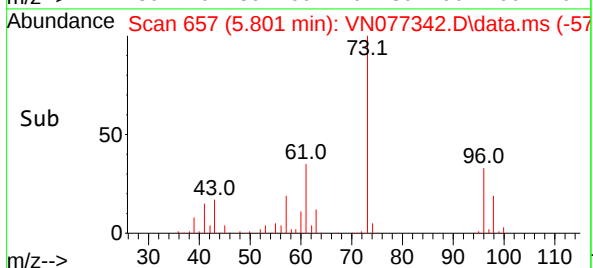
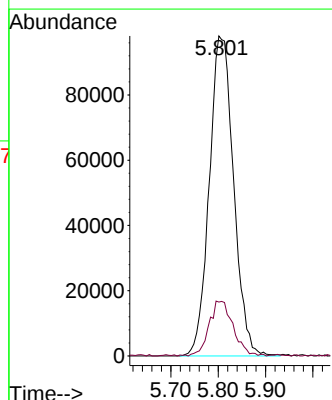
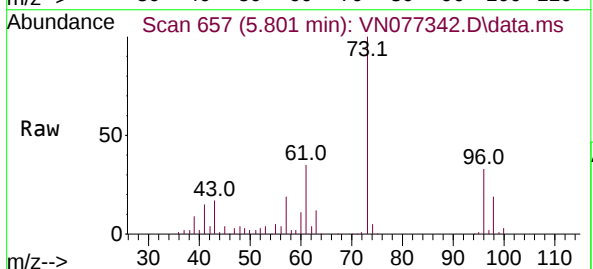
Manual Integrations
APPROVED

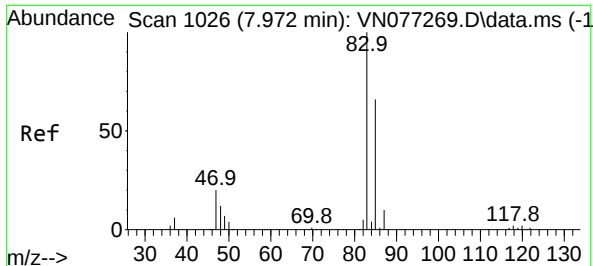
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#24
Methyl tert-Butyl Ether
Concen: 18.460 ug/l
RT: 5.801 min Scan# 657
Delta R.T. -0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Tgt Ion: 73 Resp: 350051
Ion Ratio Lower Upper
73 100
43 7.8 13.5 20.3





#25

Chloroform

Concen: 18.288 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tgt Ion: 83 Resp: 203009

Ion Ratio Lower Upper

83 100

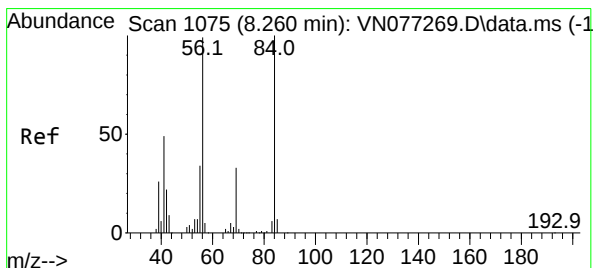
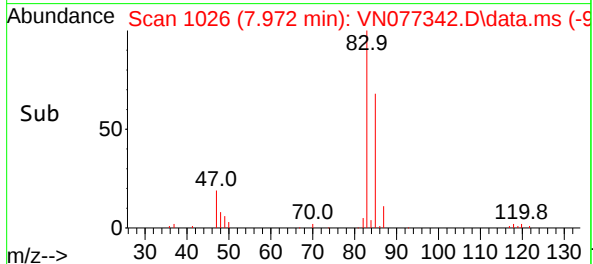
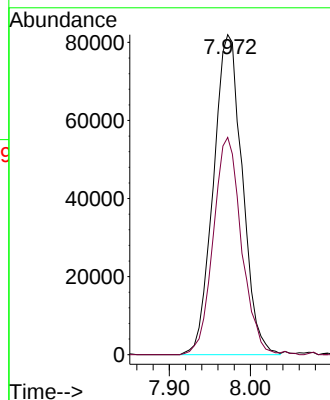
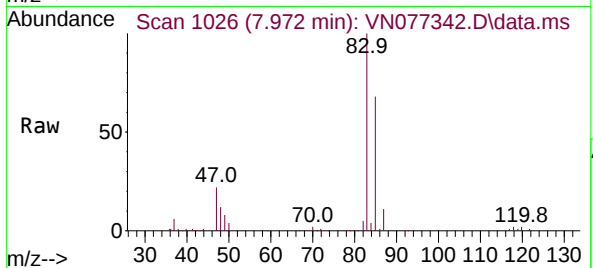
85 67.9 52.9 79.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#26

Cyclohexane

Concen: 16.728 ug/l

RT: 8.266 min Scan# 1076

Delta R.T. 0.006 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

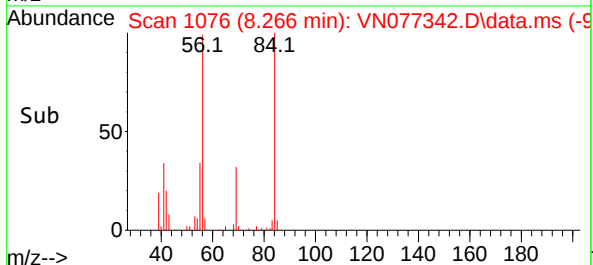
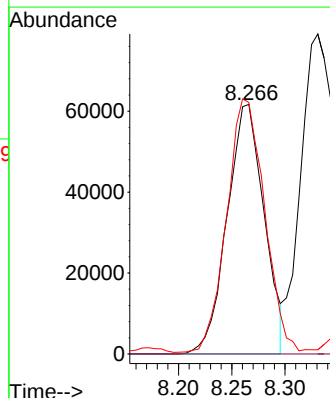
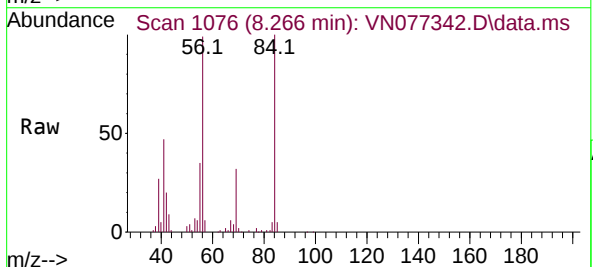
Tgt Ion: 56 Resp: 148888

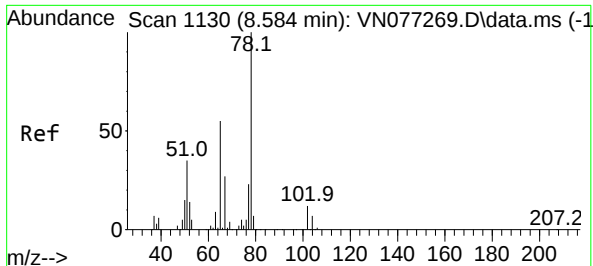
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 105.8 82.6 123.8





#27

1,2-Dichloroethane-d4

Concen: 29.959 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tgt Ion: 65 Resp: 127009

Ion Ratio Lower Upper

65 100

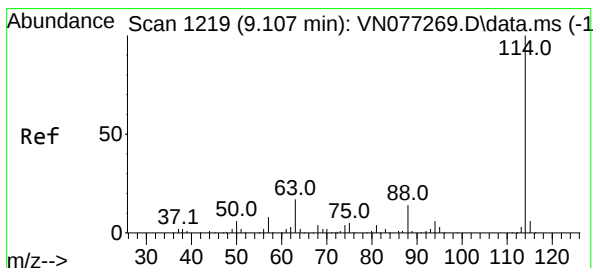
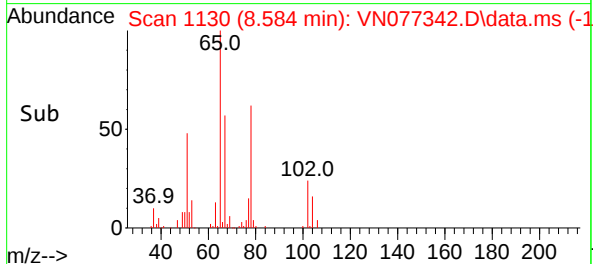
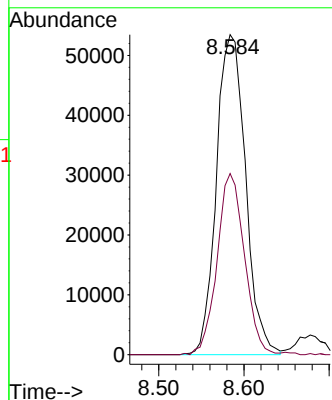
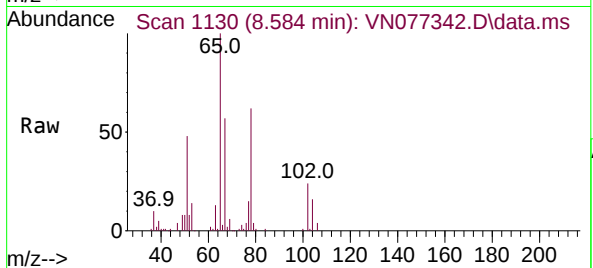
67 53.0 41.8 62.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

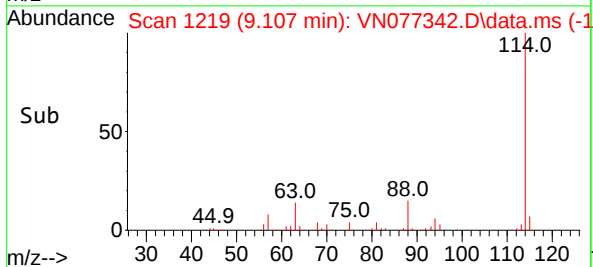
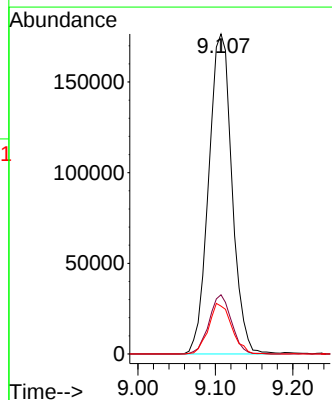
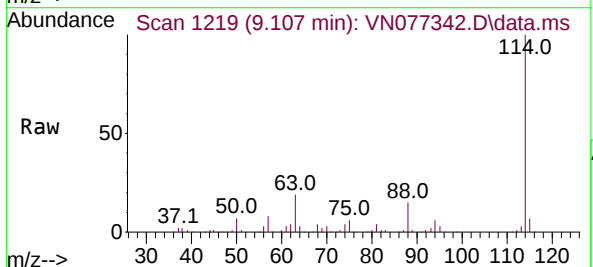
Tgt Ion:114 Resp: 369284

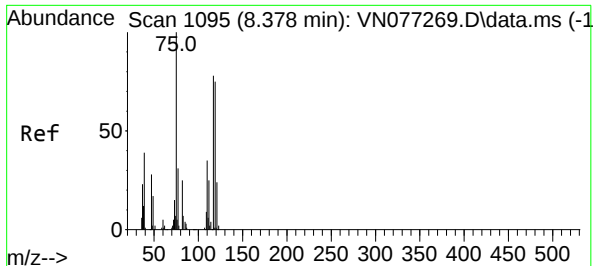
Ion Ratio Lower Upper

114 100

63 17.8 15.0 22.4

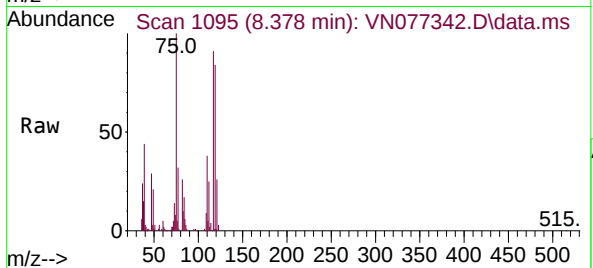
88 15.6 11.9 17.9





#29
1,1-Dichloropropene
Concen: 17.918 ug/l
RT: 8.378 min Scan# 1095
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

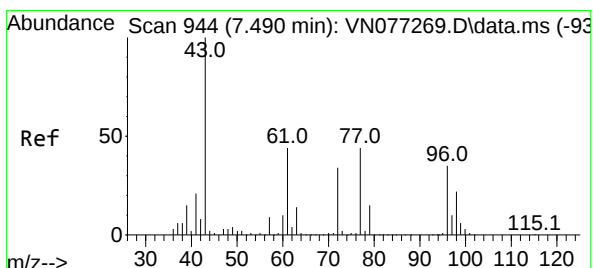
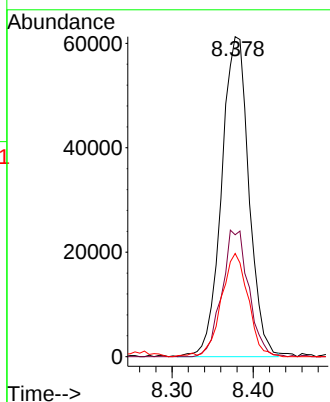
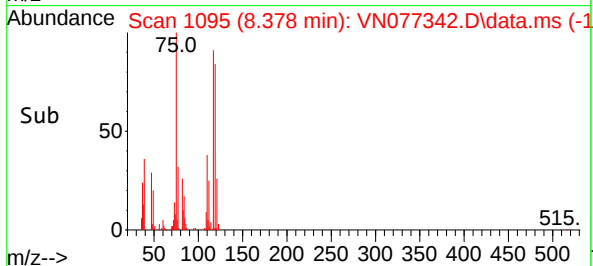
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion: 75 Resp: 143338
Ion Ratio Lower Upper
75 100
110 38.7 0.0 72.4
77 31.3 0.0 61.4

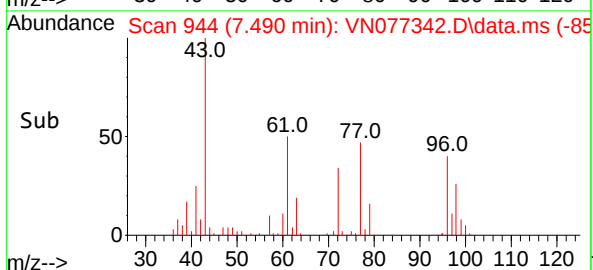
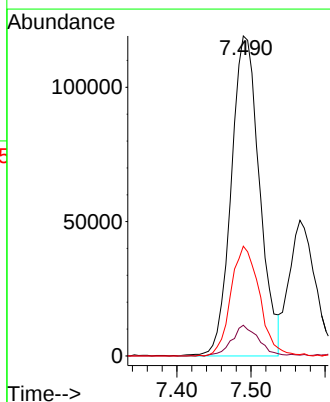
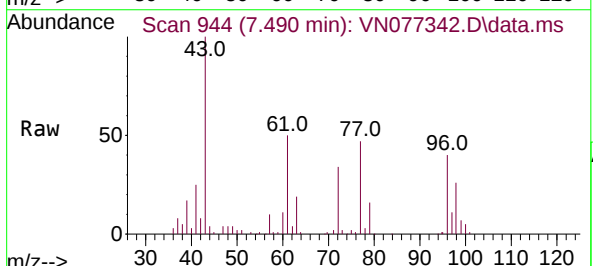
Manual Integrations
APPROVED

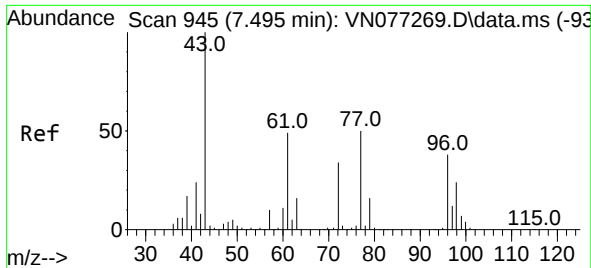
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#30
2-Butanone
Concen: 83.550 ug/l
RT: 7.490 min Scan# 944
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Tgt Ion: 43 Resp: 316068
Ion Ratio Lower Upper
43 100
57 9.0 7.5 11.3
72 34.6 26.9 40.3





#31

2,2-Dichloropropane

Concen: 17.385 ug/l

RT: 7.495 min Scan# 945

Delta R.T. 0.000 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tgt Ion: 77 Resp: 170720

Ion Ratio Lower Upper

77 100

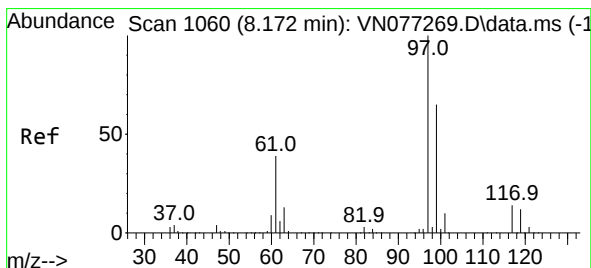
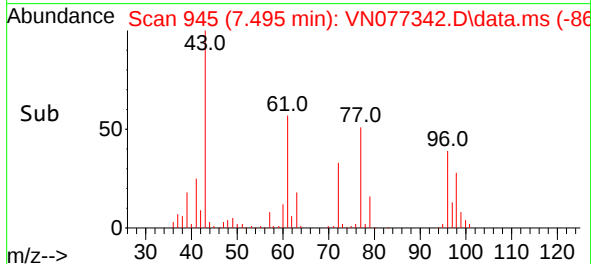
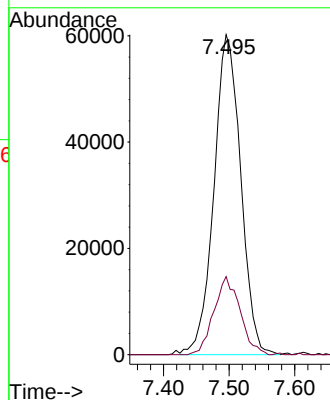
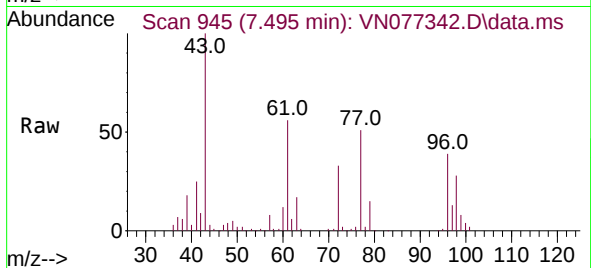
97 23.8 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#32

1,1,1-Trichloroethane

Concen: 18.529 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

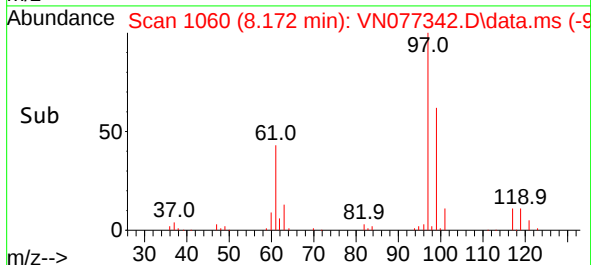
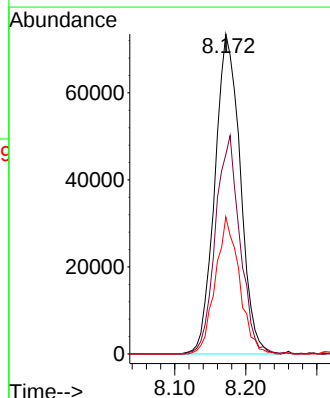
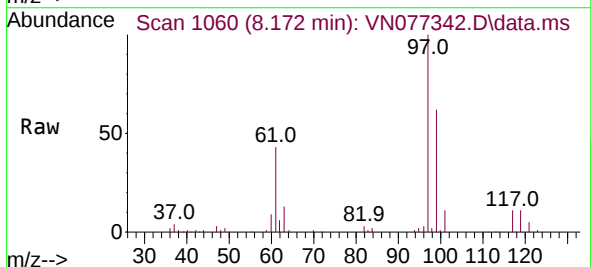
Tgt Ion: 97 Resp: 182416

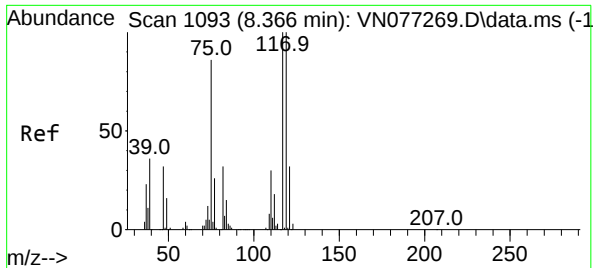
Ion Ratio Lower Upper

97 100

99 65.9 51.6 77.4

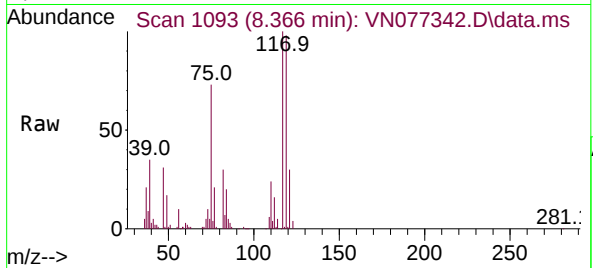
61 40.6 32.4 48.6





#33
Carbon Tetrachloride
Concen: 18.834 ug/l
RT: 8.366 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

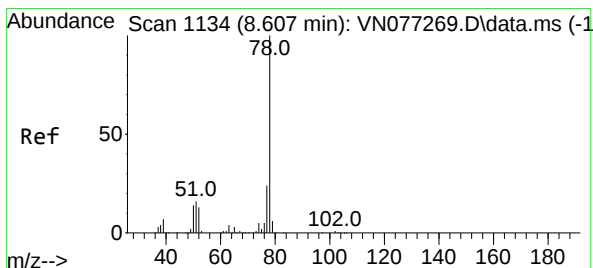
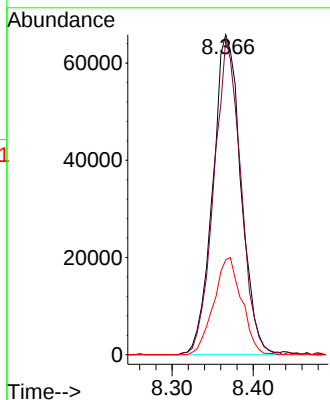
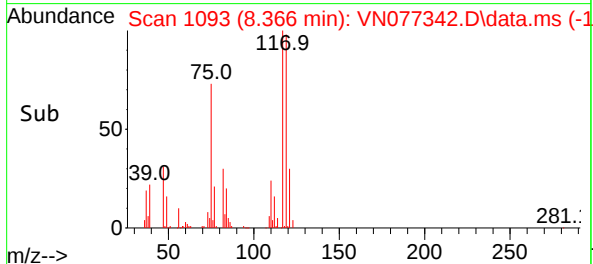
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



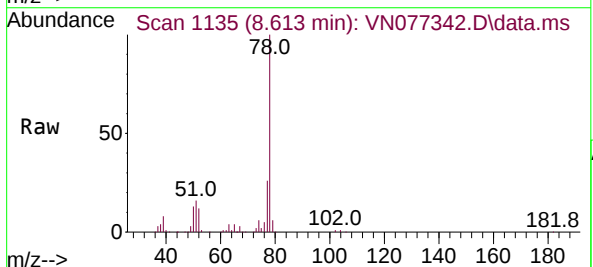
Tgt Ion: 117 Resp: 158252
Ion Ratio Lower Upper
117 100
119 98.5 80.2 120.4
121 29.6 26.0 39.0

Manual Integrations
APPROVED

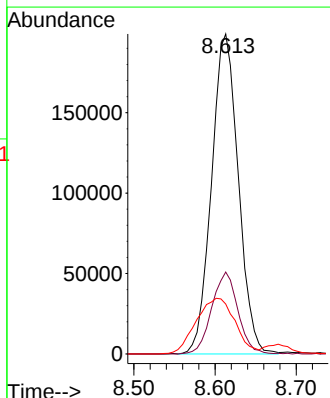
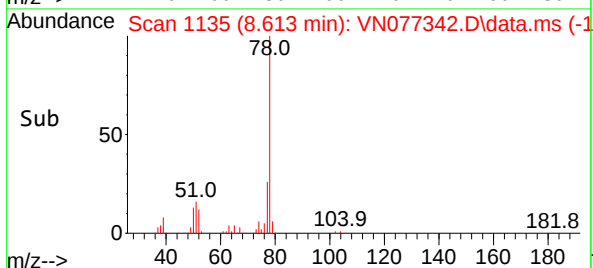
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

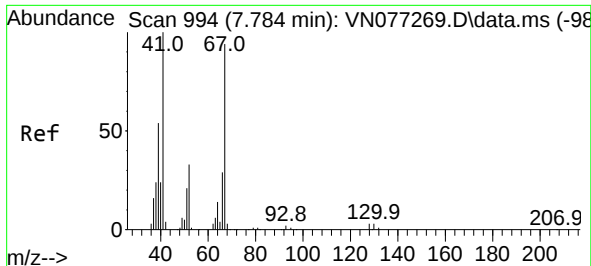


#34
Benzene
Concen: 18.443 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03



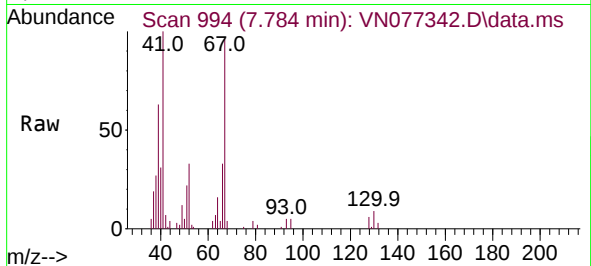
Tgt Ion: 78 Resp: 456516
Ion Ratio Lower Upper
78 100
77 25.6 19.4 29.0
51 14.3 12.6 19.0





#35
Methacrylonitrile
Concen: 17.429 ug/l
RT: 7.784 min Scan# 994
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

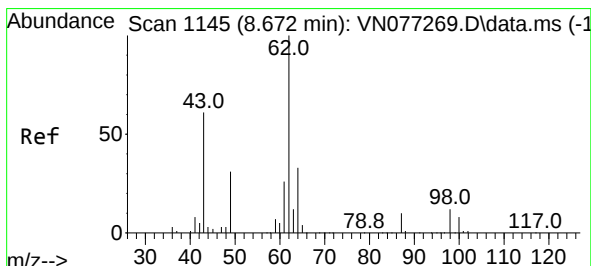
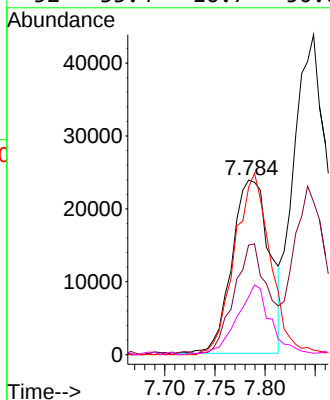
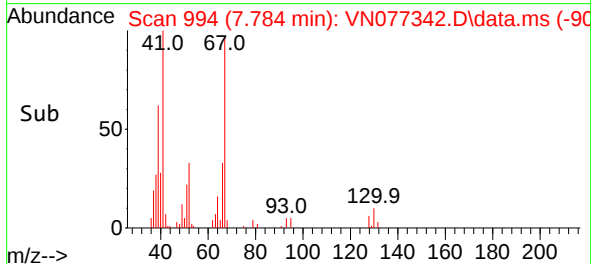
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion:	41	Resp:	6211
Ion Ratio	100	Lower	Upper
39	62.2	27.1	81.2
67	96.6	46.8	140.4
52	33.4	16.7	50.0

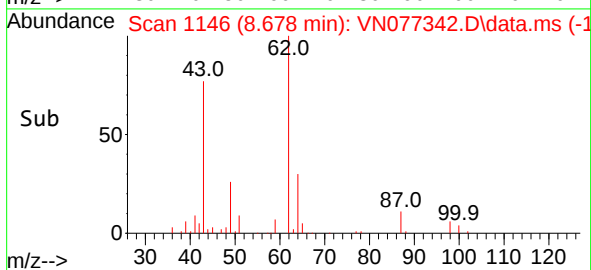
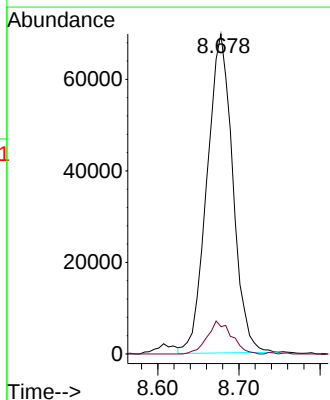
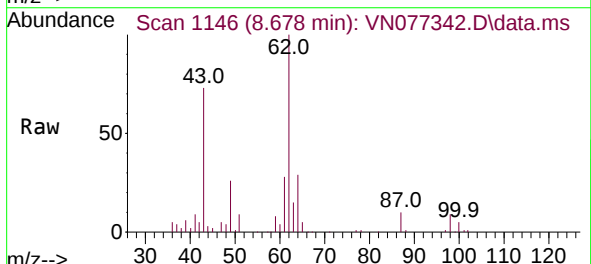
Manual Integrations
APPROVED

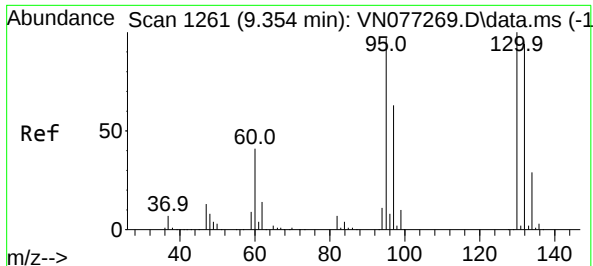
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#36
1,2-Dichloroethane
Concen: 19.767 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Tgt Ion:	62	Resp:	153399
Ion Ratio	100	Lower	Upper
98	9.8	8.3	12.5





#37

Trichloroethene

Concen: 18.850 ug/l

RT: 9.354 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tgt Ion:130 Resp: 114120

Ion Ratio Lower Upper

130 100

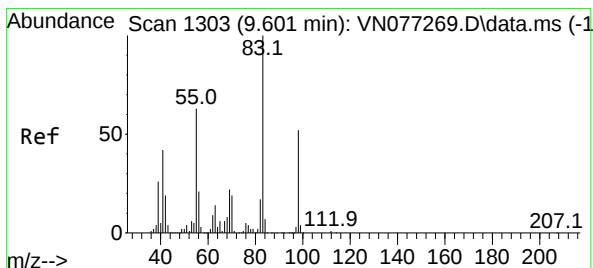
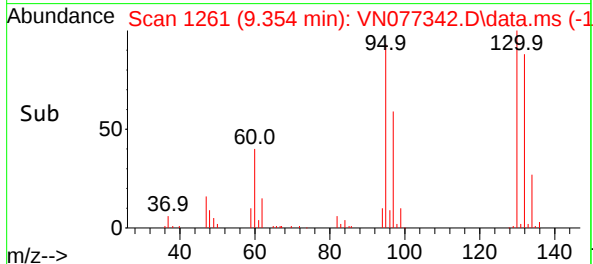
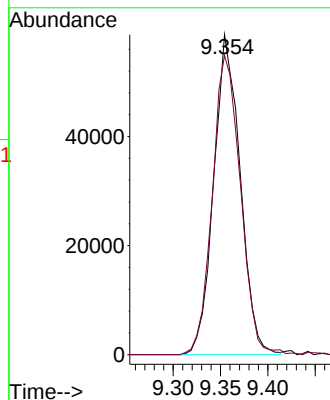
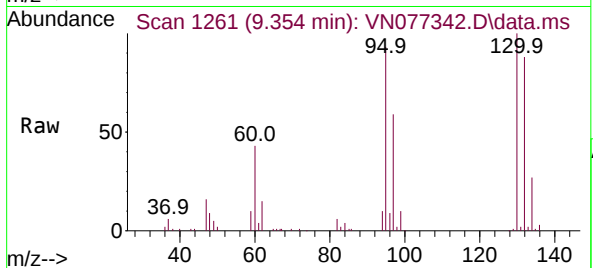
95 93.5 77.5 116.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#38

Methylcyclohexane

Concen: 17.756 ug/l

RT: 9.607 min Scan# 1304

Delta R.T. 0.006 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

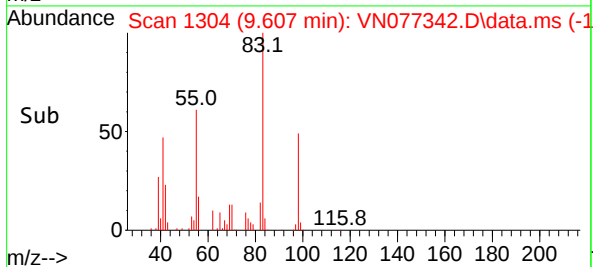
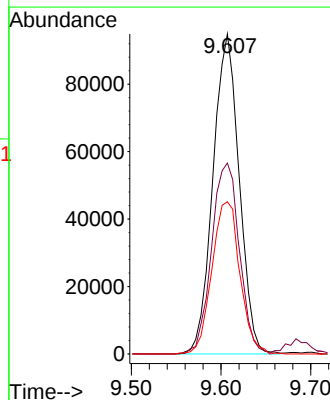
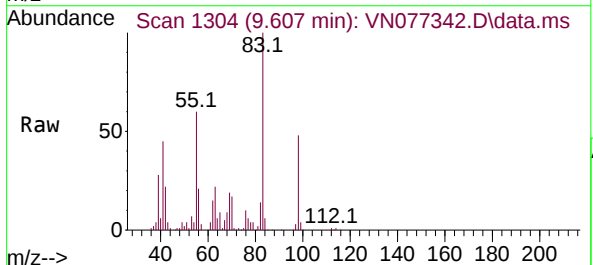
Tgt Ion: 83 Resp: 192649

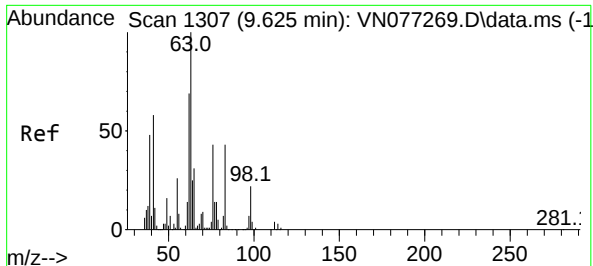
Ion Ratio Lower Upper

83 100

55 63.0 32.0 96.2

98 50.7 25.3 75.9





#39

1,2-Dichloropropane

Concen: 18.663 ug/l

RT: 9.619 min Scan# 114670

Delta R.T. -0.006 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tgt Ion: 63 Resp: 114670

Ion Ratio Lower Upper

63 100

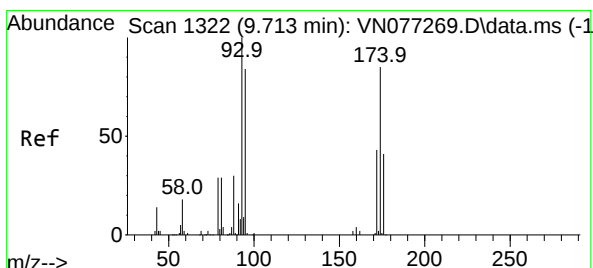
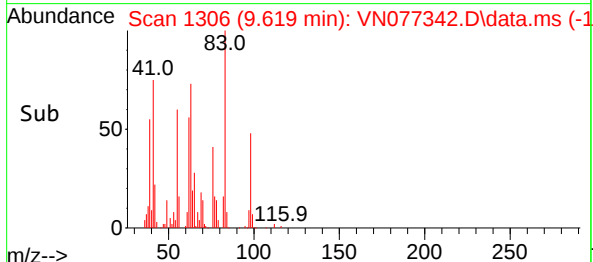
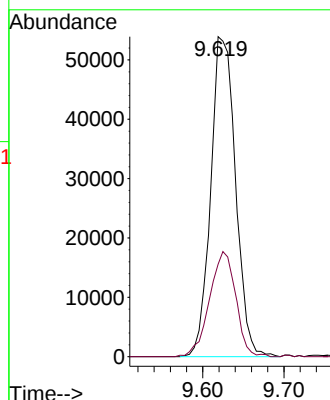
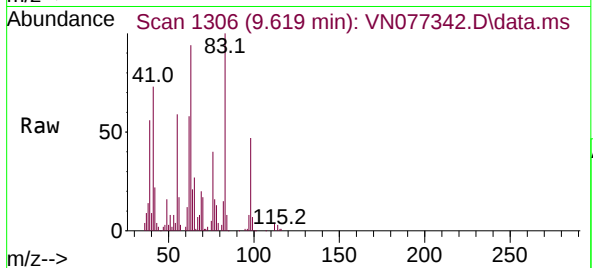
65 28.9 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#40

Dibromomethane

Concen: 19.564 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

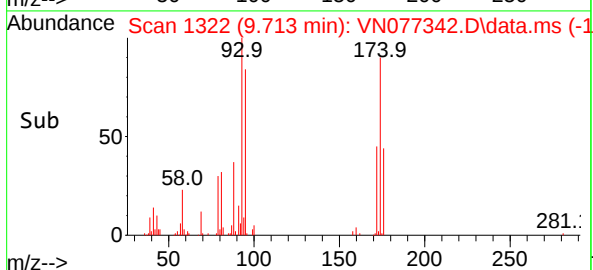
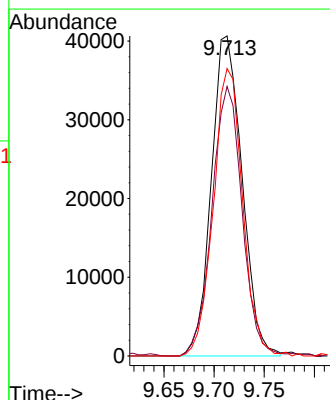
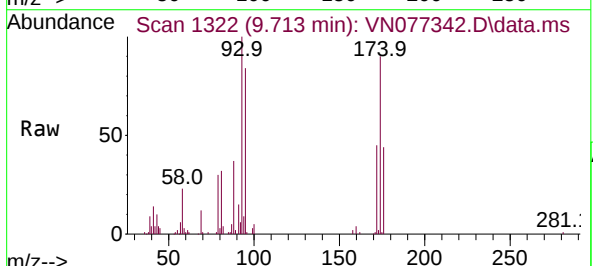
Tgt Ion: 93 Resp: 86618

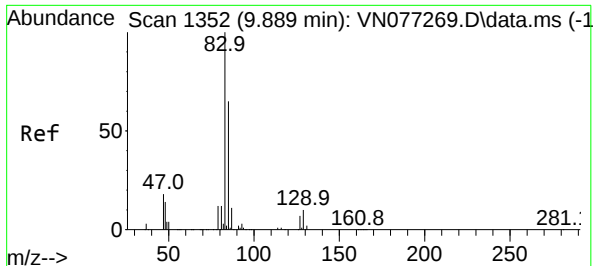
Ion Ratio Lower Upper

93 100

95 82.4 0.0 166.4

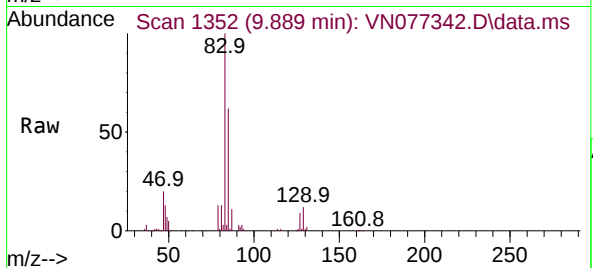
174 85.3 0.0 164.8





#41
Bromodichloromethane
Concen: 19.162 ug/l
RT: 9.889 min Scan# 1352
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

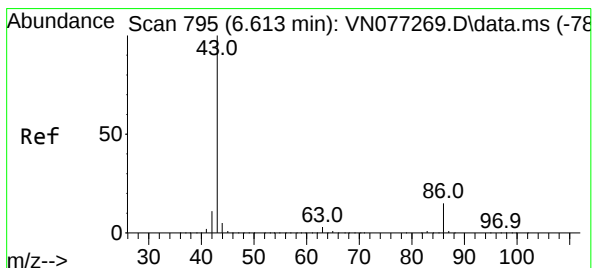
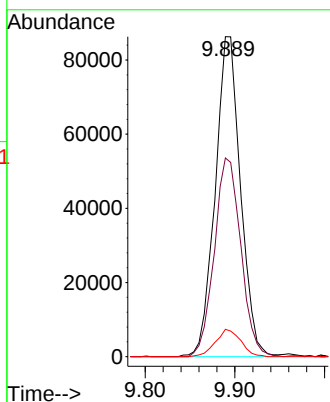
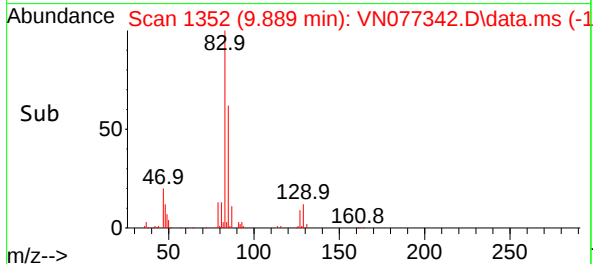
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion: 83 Resp: 169168
Ion Ratio Lower Upper
83 100
85 62.1 52.3 78.5
127 8.6 5.9 8.9

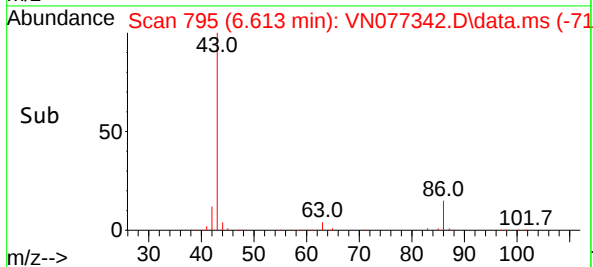
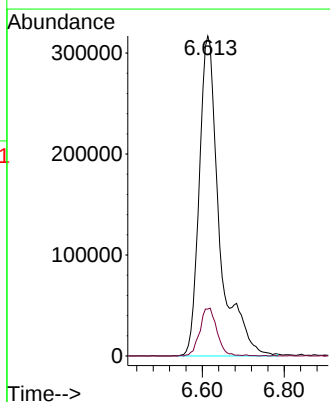
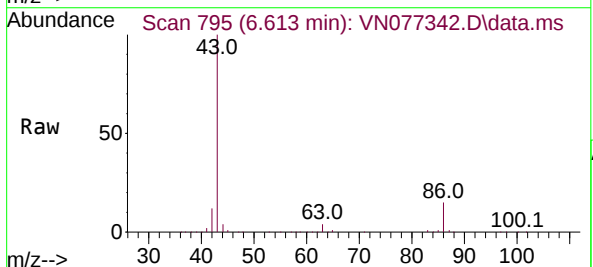
Manual Integrations
APPROVED

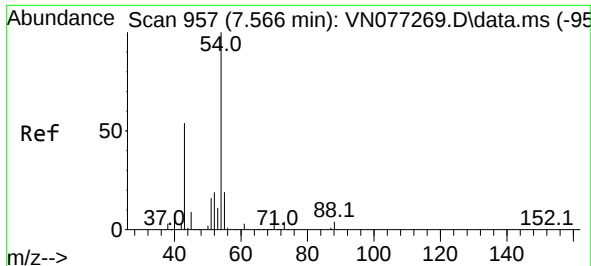
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#42
Vinyl Acetate
Concen: 99.013 ug/l m
RT: 6.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

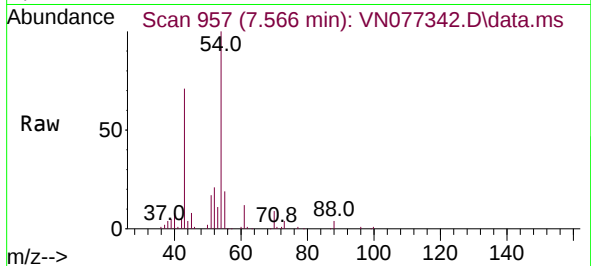
Tgt Ion: 43 Resp: 1084050
Ion Ratio Lower Upper
43 100
86 12.6 0.0 0.0#





#43
Ethyl Acetate
Concen: 18.641 ug/l m
RT: 7.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

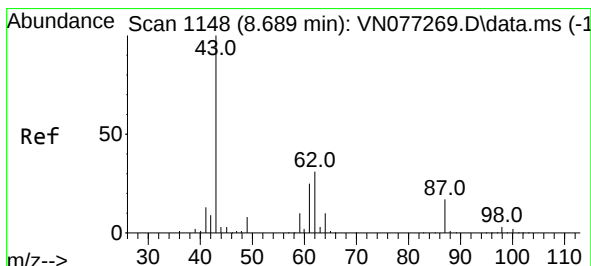
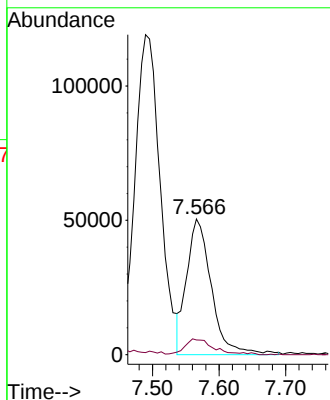
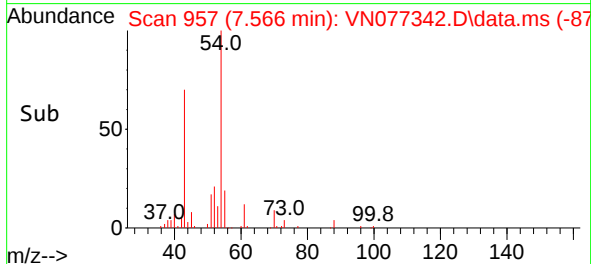
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion: 43 Resp: 130469
Ion Ratio Lower Upper
43 100
45 0.1 12.3 18.5

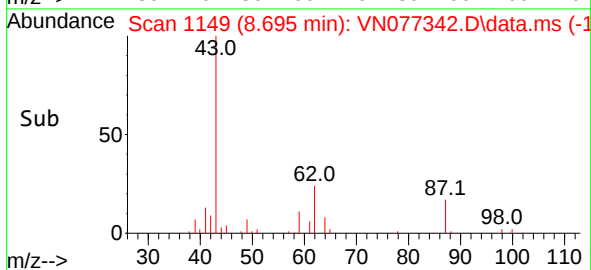
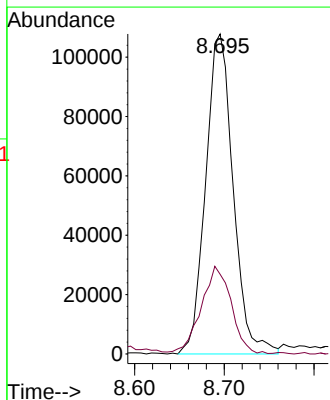
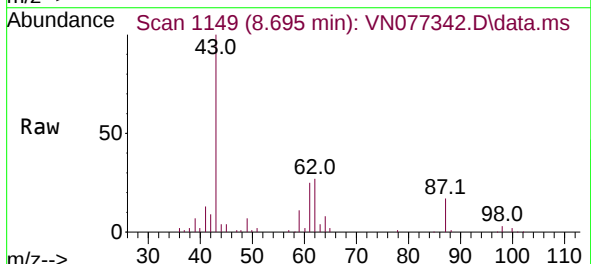
Manual Integrations
APPROVED

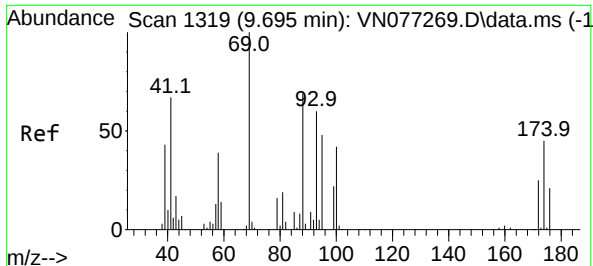
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#44
Isopropyl Acetate
Concen: 18.354 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

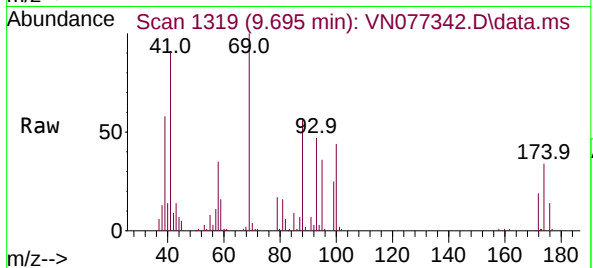
Tgt Ion: 43 Resp: 229996
Ion Ratio Lower Upper
43 100
61 29.9 0.0 0.0#





#45
1,4-Dioxane
Concen: 372.545 ug/l
RT: 9.695 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

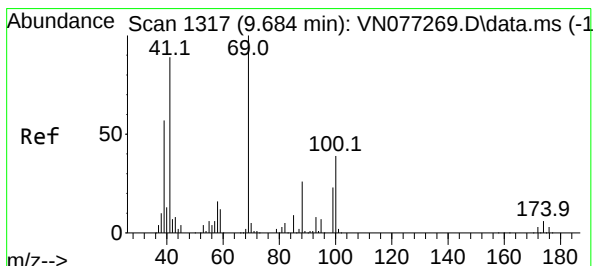
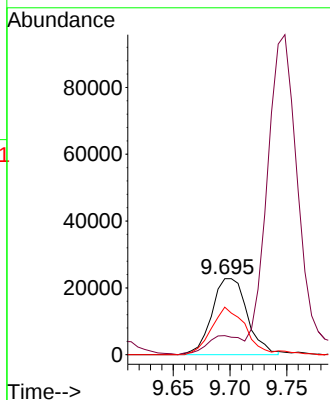
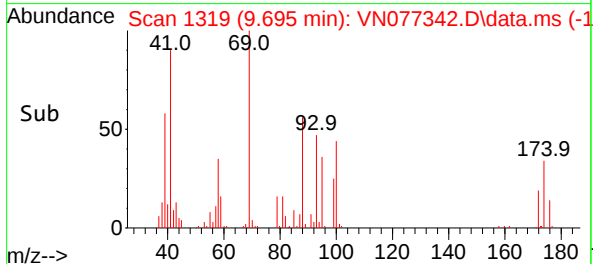
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



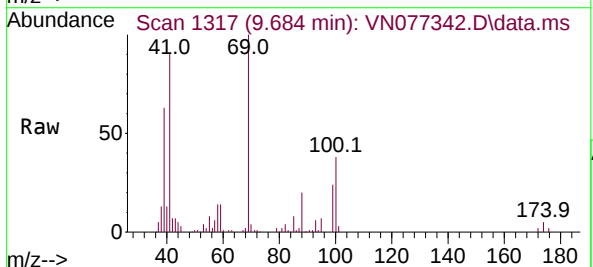
Tgt Ion: 88 Resp: 49230
Ion Ratio Lower Upper
88 100
43 25.1 17.4 26.0
58 59.4 48.2 72.4

Manual Integrations
APPROVED

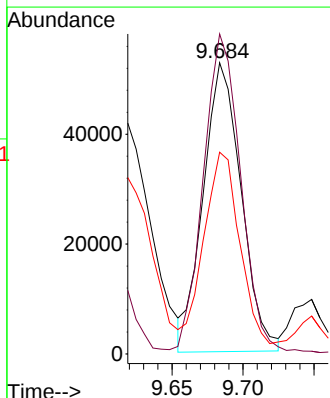
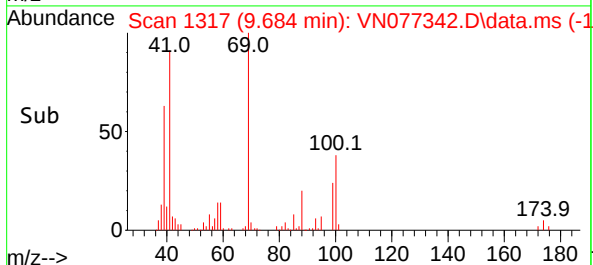
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

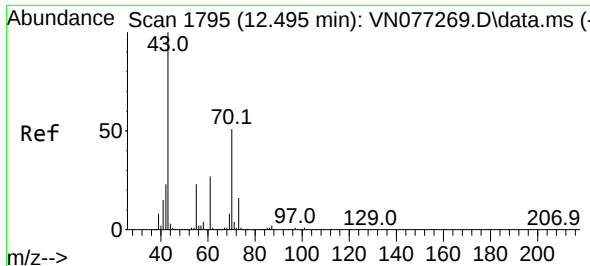


#46
Methyl methacrylate
Concen: 18.135 ug/l
RT: 9.684 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03



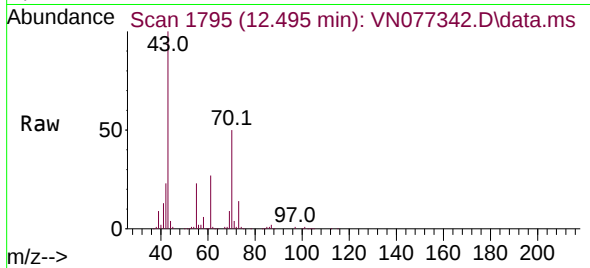
Tgt Ion: 41 Resp: 97845
Ion Ratio Lower Upper
41 100
69 113.4 54.5 163.5
39 68.8 33.4 100.2





#47
n-amy1 Acetate
Concen: 17.604 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

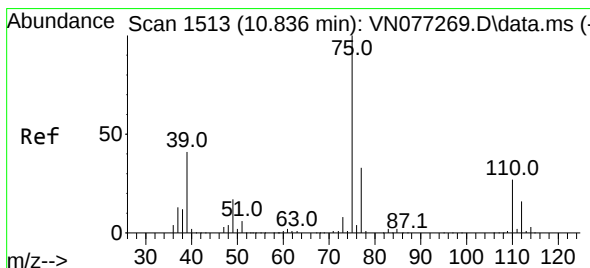
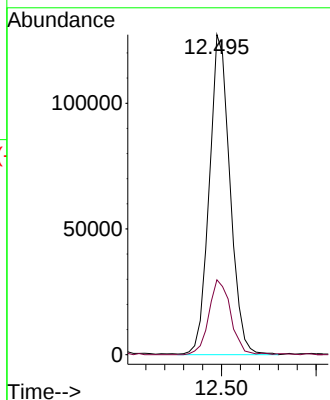
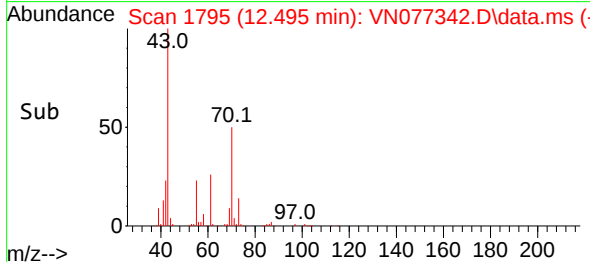
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion: 43 Resp: 192780
Ion Ratio Lower Upper
43 100
55 24.6 19.4 29.0

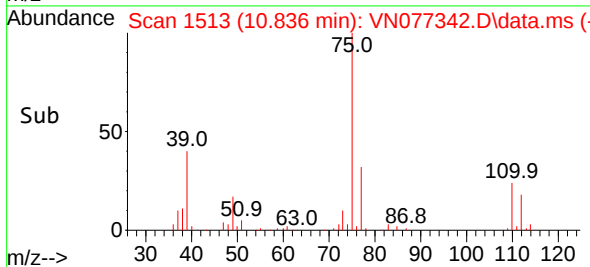
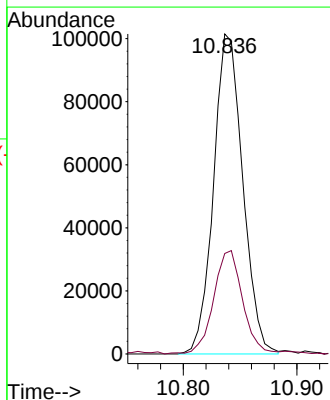
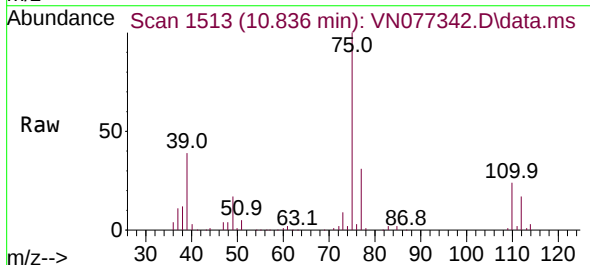
Manual Integrations
APPROVED

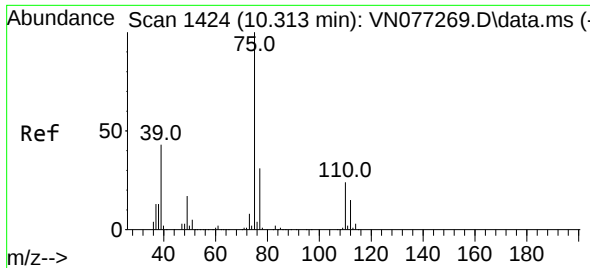
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#48
t-1,3-Dichloropropene
Concen: 18.363 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

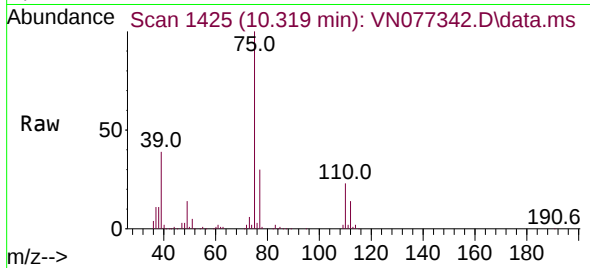
Tgt Ion: 75 Resp: 181425
Ion Ratio Lower Upper
75 100
77 31.1 26.5 39.7





#49
cis-1,3-Dichloropropene
Concen: 18.518 ug/l
RT: 10.319 min Scan# 1424
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

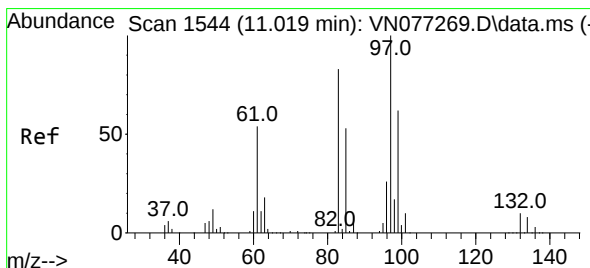
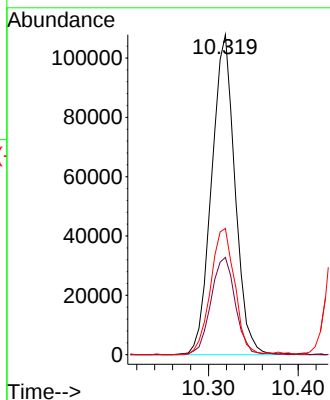
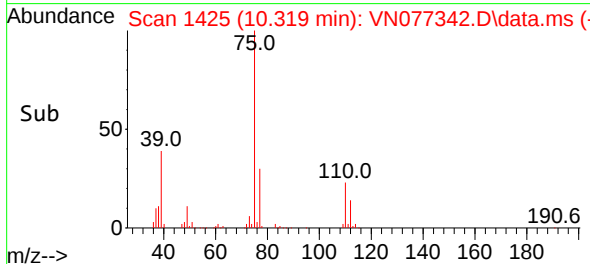
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion: 75 Resp: 194633
Ion Ratio Lower Upper
75 100
77 30.2 25.0 37.6
39 39.5 34.4 51.6

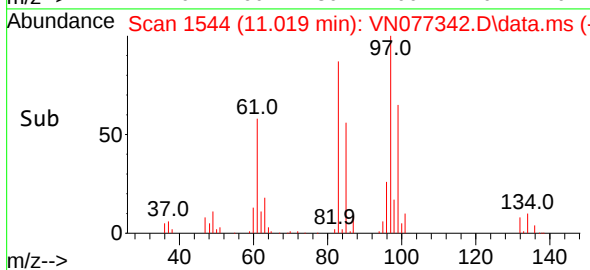
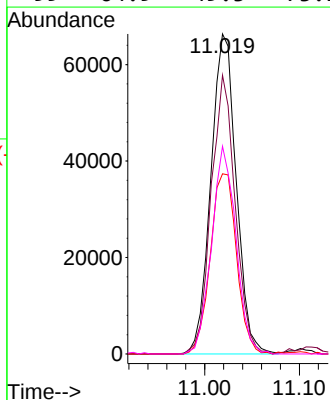
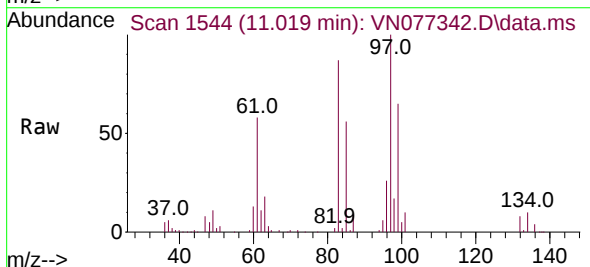
Manual Integrations
APPROVED

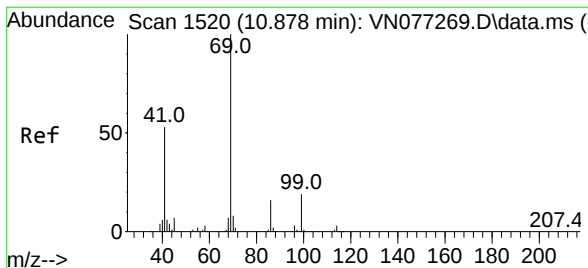
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#50
1,1,2-Trichloroethane
Concen: 19.196 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Tgt Ion: 97 Resp: 123443
Ion Ratio Lower Upper
97 100
83 87.1 66.7 100.1
85 56.3 42.4 63.6
99 64.9 49.3 73.9





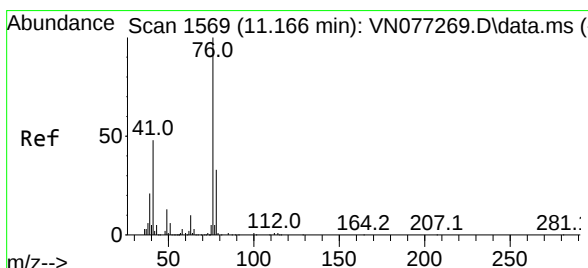
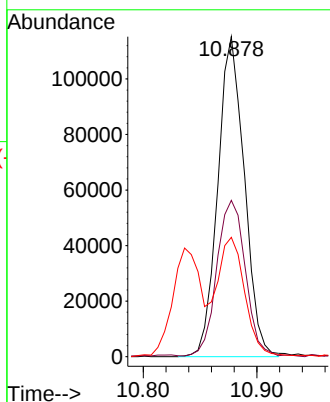
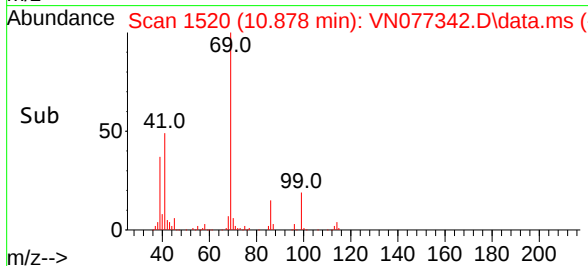
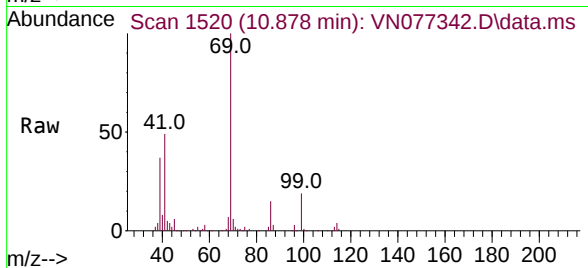
#51
Ethyl methacrylate
Concen: 18.971 ug/l
RT: 10.878 min Scan# 1520
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tgt Ion: 69 Resp: 18735
Ion Ratio Lower Upper
69 100
41 48.5 26.7 80.0
39 36.5 17.0 50.9

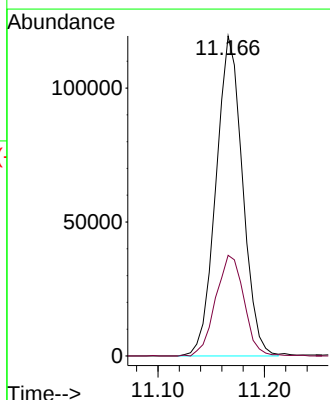
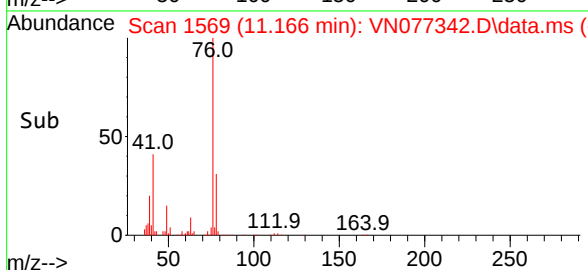
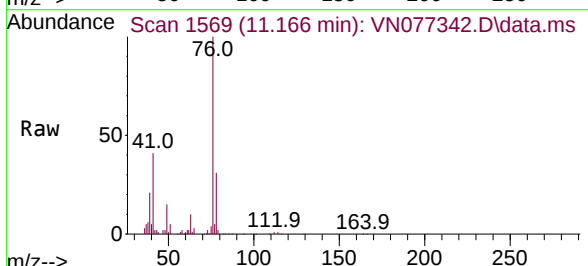
Manual Integrations
APPROVED

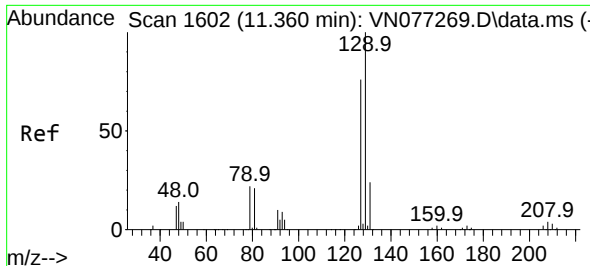
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#52
1,3-Dichloropropane
Concen: 19.288 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

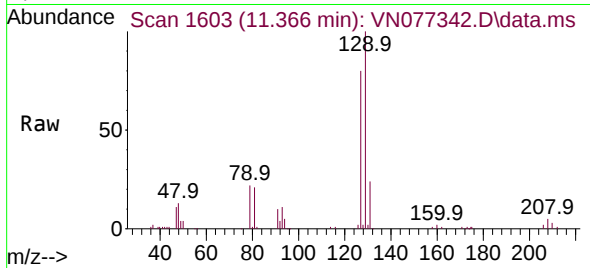
Tgt Ion: 76 Resp: 207017
Ion Ratio Lower Upper
76 100
78 33.4 0.0 65.0





#53
Dibromochloromethane
Concen: 19.300 ug/l
RT: 11.366 min Scan# 1602
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

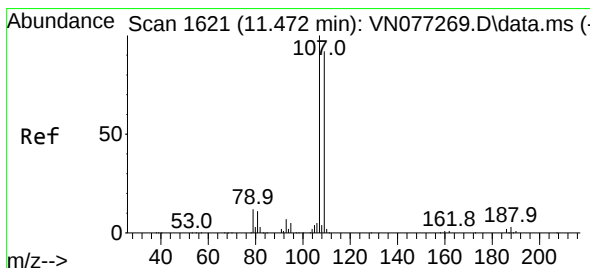
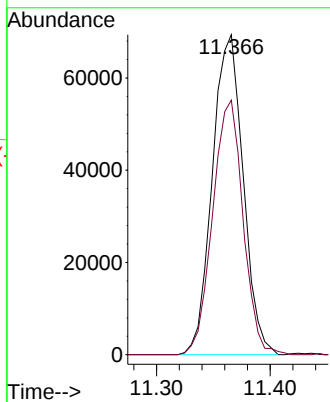
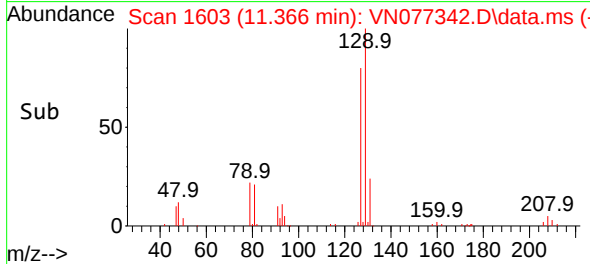
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion:129 Resp: 130812
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8

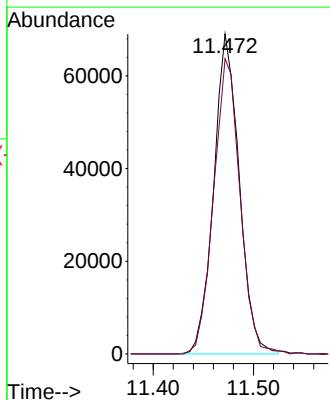
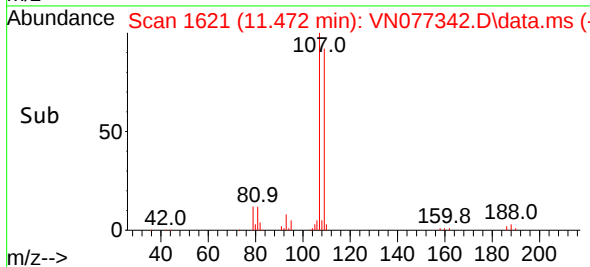
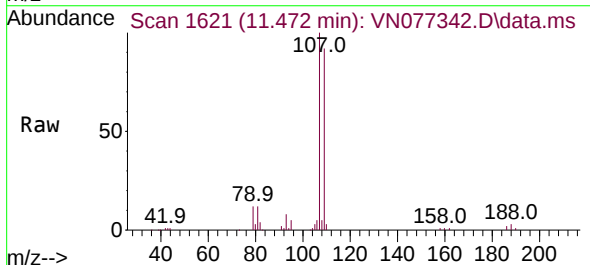
Manual Integrations
APPROVED

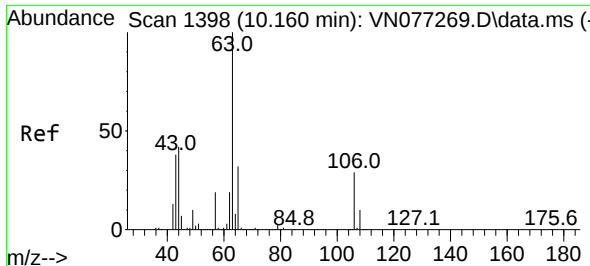
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#54
1,2-Dibromoethane
Concen: 18.874 ug/l
RT: 11.472 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

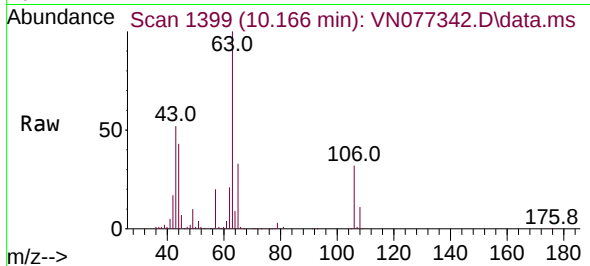
Tgt Ion:107 Resp: 121846
Ion Ratio Lower Upper
107 100
109 94.8 74.1 111.1





#55
2-Chloroethyl vinyl ether
Concen: 98.109 ug/l
RT: 10.166 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

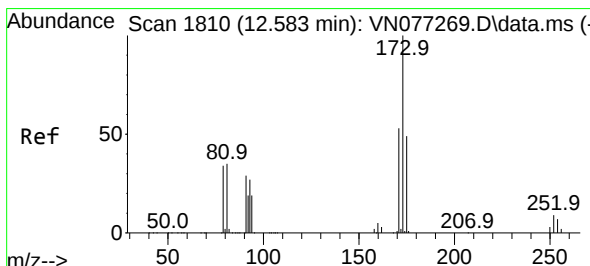
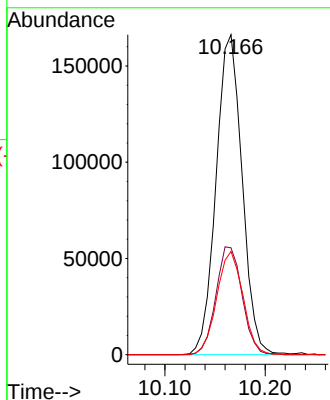
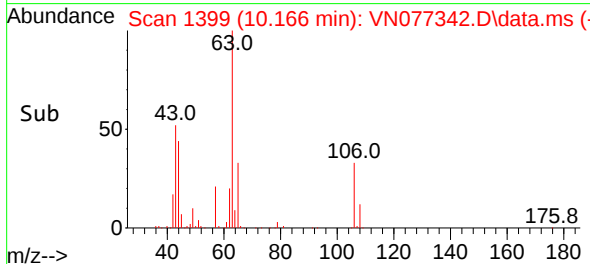
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion: 63 Resp: 299134
Ion Ratio Lower Upper
63 100
65 33.9 25.7 38.5
106 32.4 24.0 36.0

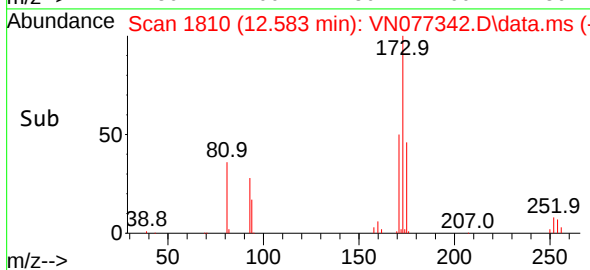
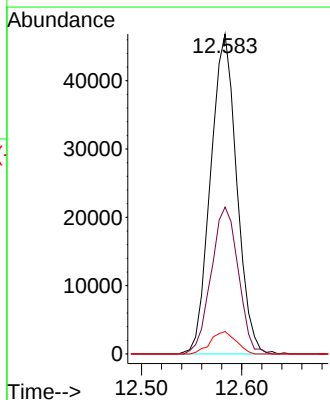
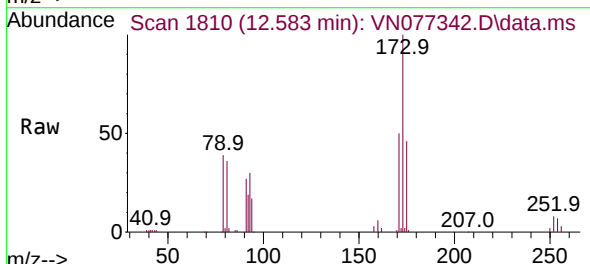
Manual Integrations
APPROVED

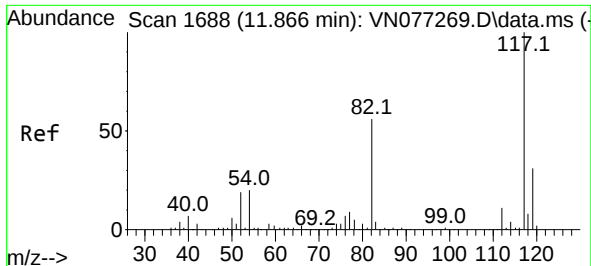
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#56
Bromoform
Concen: 18.639 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

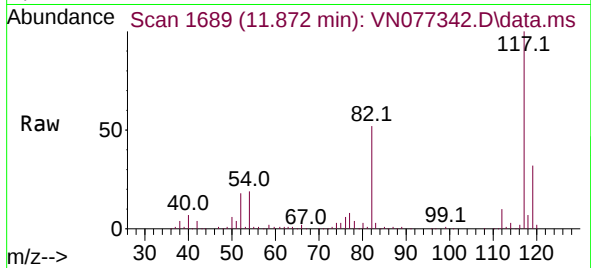
Tgt Ion:173 Resp: 84860
Ion Ratio Lower Upper
173 100
175 47.5 38.2 57.2
254 6.8 6.0 9.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

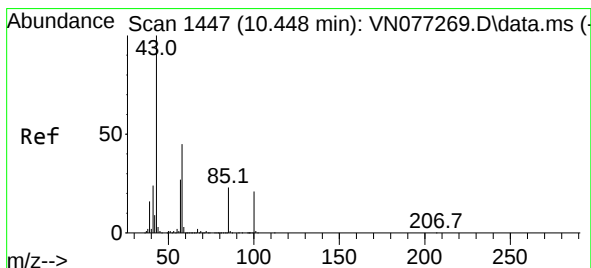
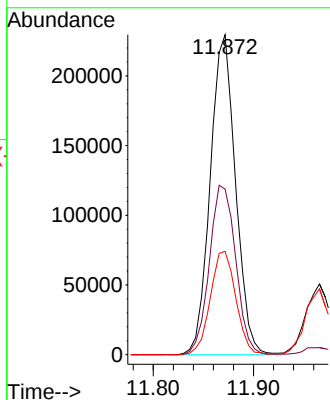
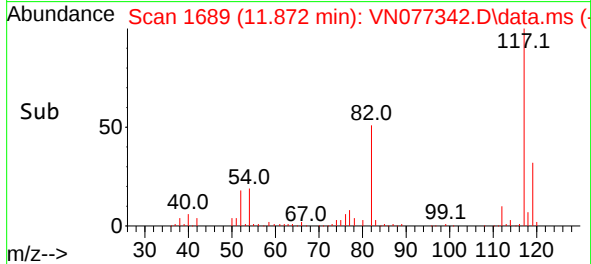
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion:117 Resp: 402440
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.8
119 32.5 25.4 38.0

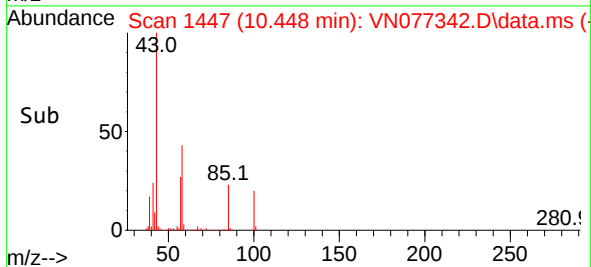
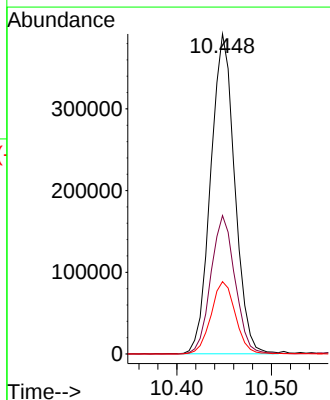
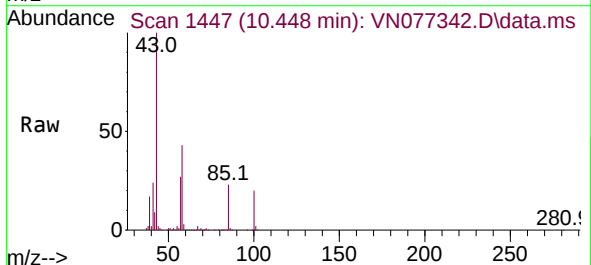
Manual Integrations
APPROVED

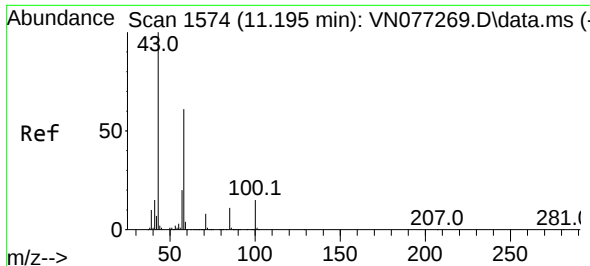
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#58
4-Methyl-2-Pentanone
Concen: 91.545 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

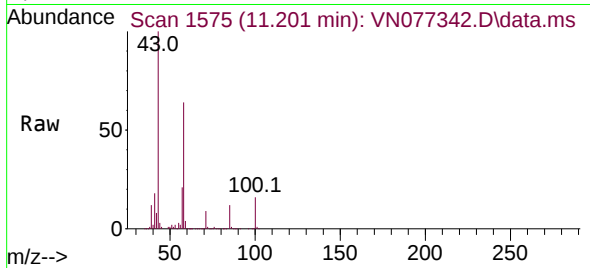
Tgt Ion: 43 Resp: 689807
Ion Ratio Lower Upper
43 100
58 43.7 34.7 52.1
85 22.9 17.8 26.8





#59
2-Hexanone
Concen: 85.791 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

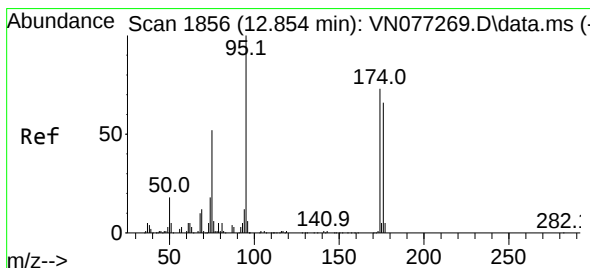
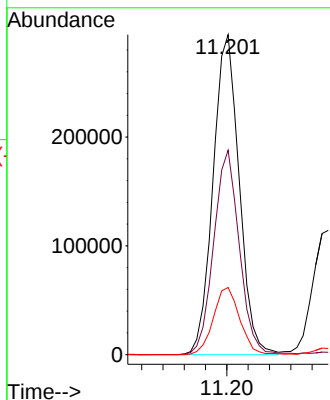
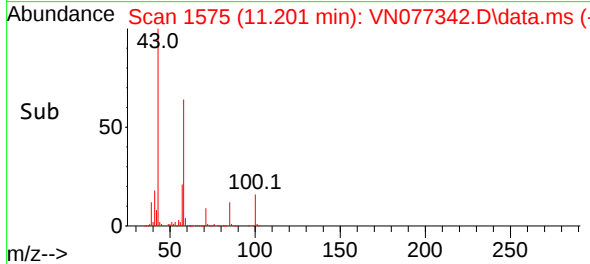
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion: 43 Resp: 499682
Ion Ratio Lower Upper
43 100
58 62.7 48.6 73.0
57 21.2 16.7 25.1

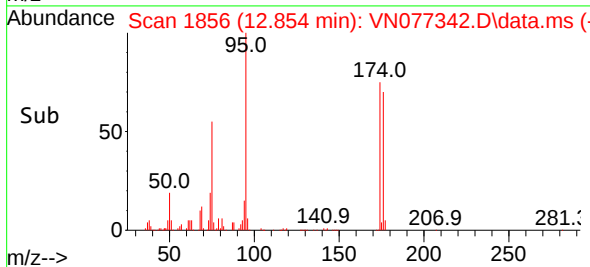
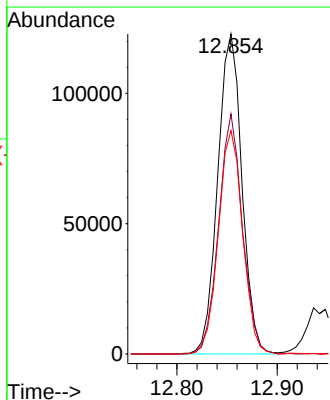
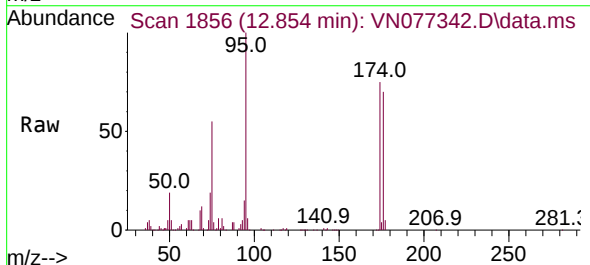
Manual Integrations
APPROVED

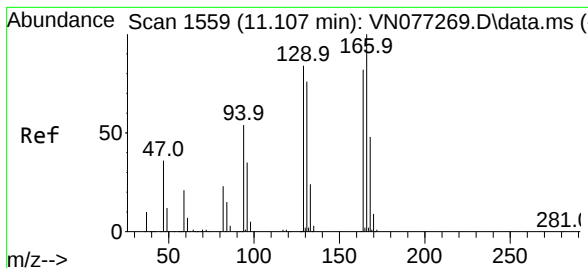
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#60
4-Bromofluorobenzene
Concen: 29.604 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

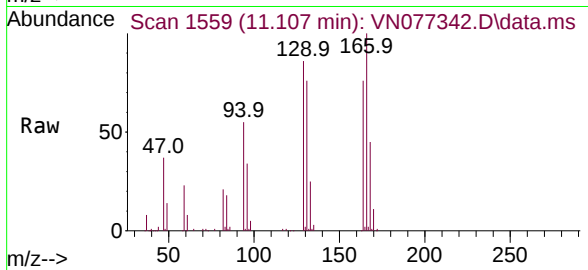
Tgt Ion: 95 Resp: 206014
Ion Ratio Lower Upper
95 100
174 73.5 57.8 86.8
176 69.9 54.6 81.8





#61
Tetrachloroethene
Concen: 18.477 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

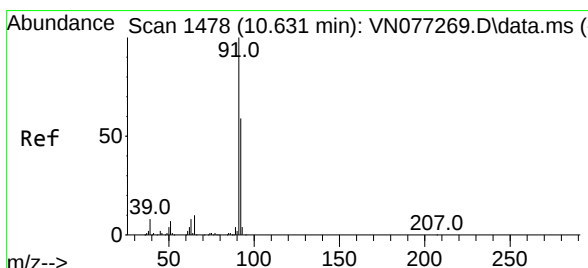
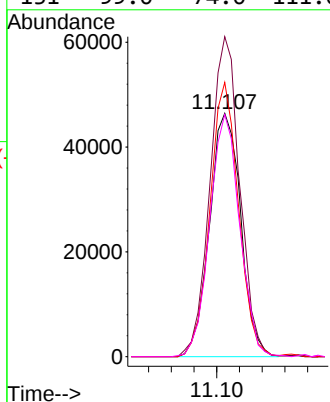
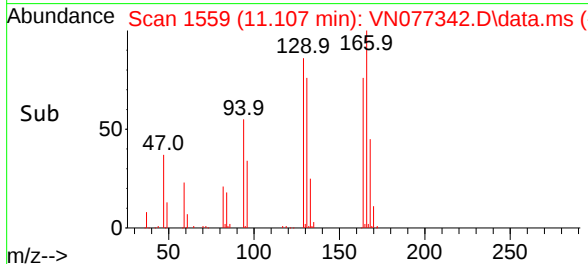
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



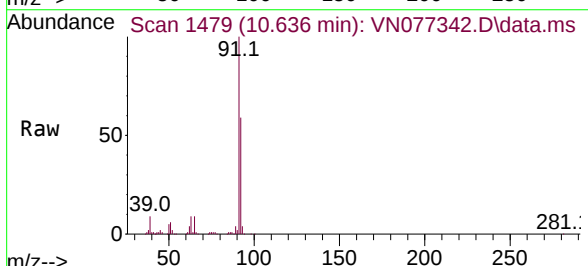
Tgt Ion:164 Resp: 88440
Ion Ratio Lower Upper
164 100
166 131.5 97.9 146.9
129 112.7 82.5 123.7
131 99.0 74.0 111.0

Manual Integrations
APPROVED

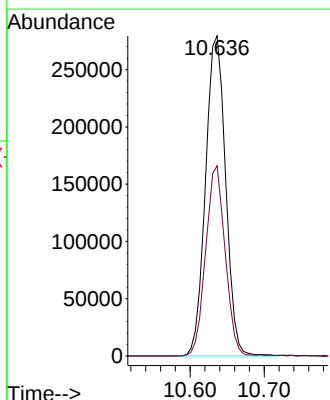
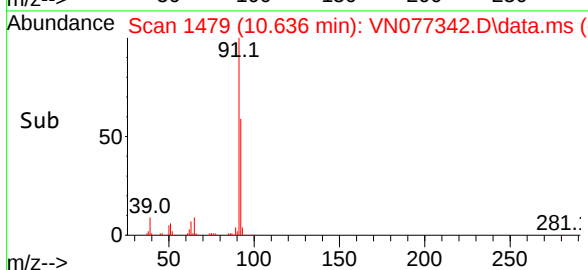
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

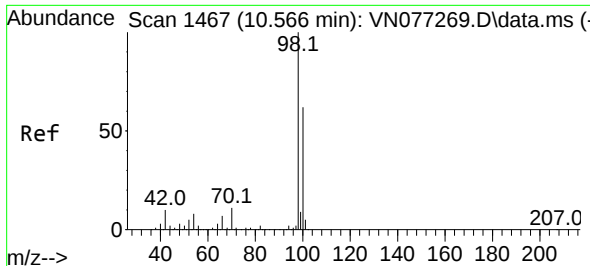


#62
Toluene
Concen: 18.747 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.005 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03



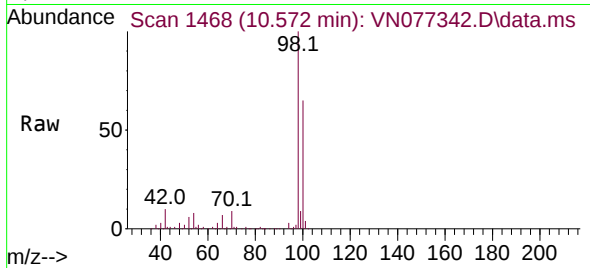
Tgt Ion: 91 Resp: 526404
Ion Ratio Lower Upper
91 100
92 57.5 46.6 70.0





#63
Toluene-d8
Concen: 30.305 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

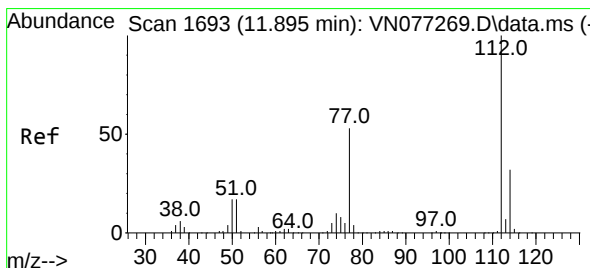
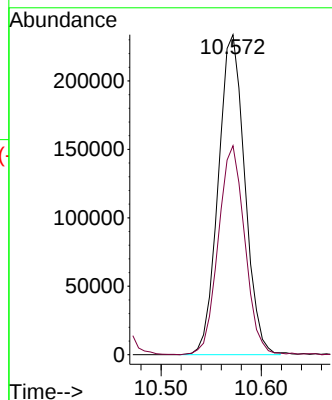
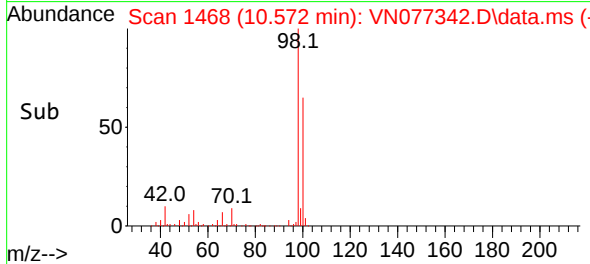
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



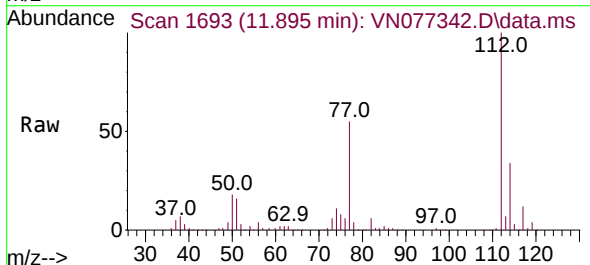
Tgt Ion: 98 Resp: 428752
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.2

Manual Integrations
APPROVED

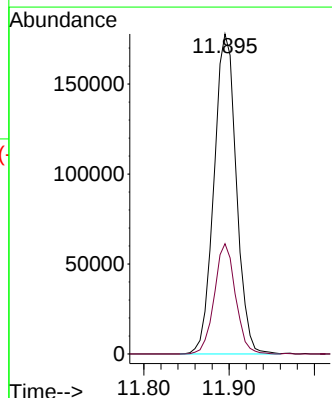
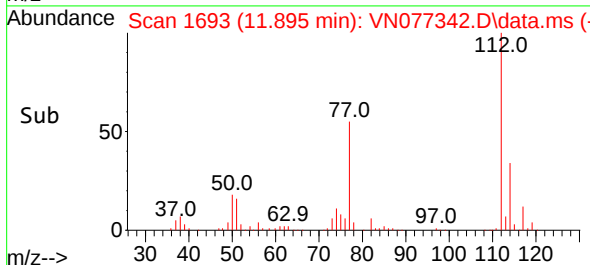
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023

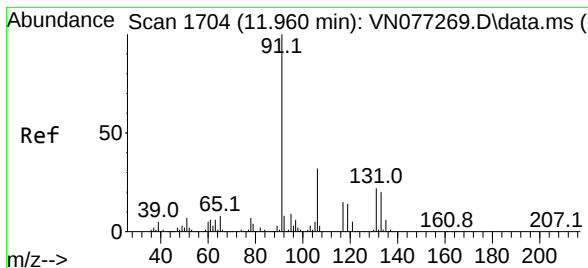


#64
Chlorobenzene
Concen: 18.979 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03



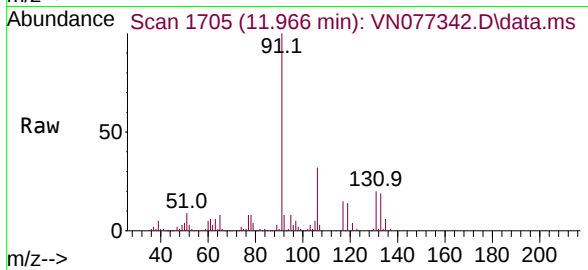
Tgt Ion:112 Resp: 323767
Ion Ratio Lower Upper
112 100
114 34.4 25.6 38.4





#65
1,1,1,2-Tetrachloroethane
Concen: 19.425 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

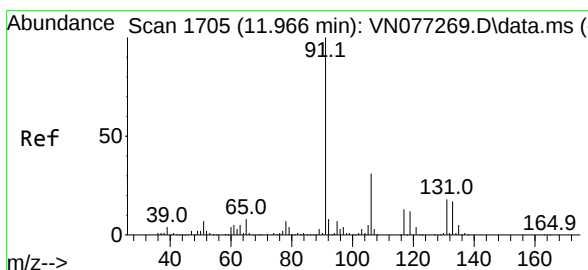
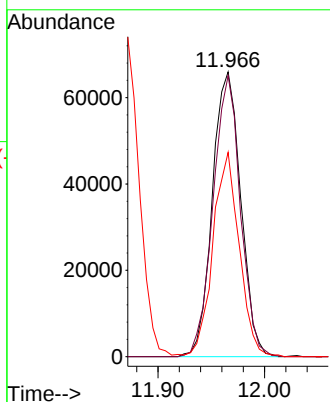
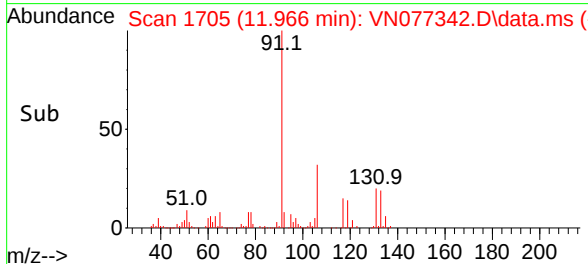
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion:131 Resp: 121858
Ion Ratio Lower Upper
131 100
133 95.2 0.0 184.4
119 66.8 0.0 134.8

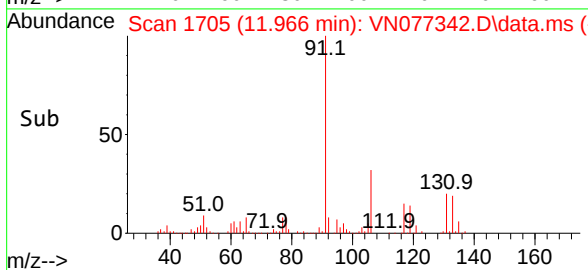
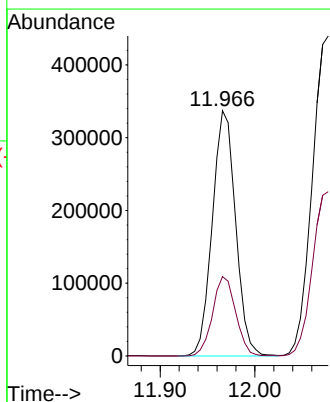
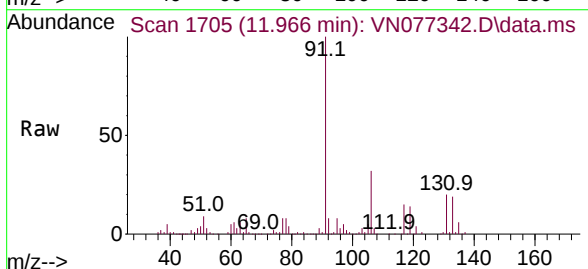
Manual Integrations
APPROVED

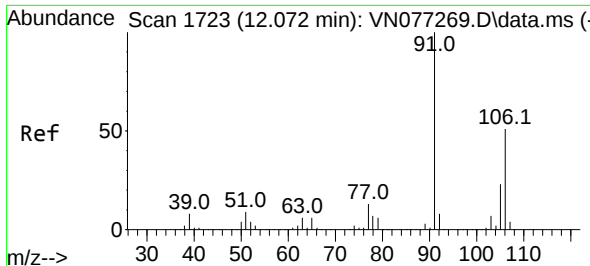
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#66
Ethyl Benzene
Concen: 18.524 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Tgt Ion: 91 Resp: 576261
Ion Ratio Lower Upper
91 100
106 32.3 25.0 37.6





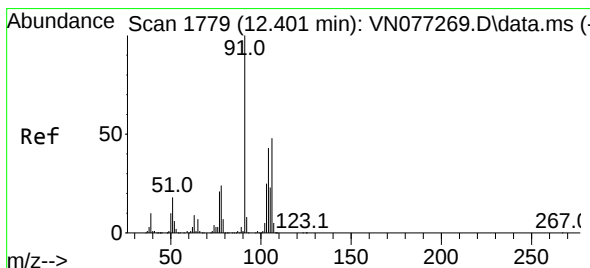
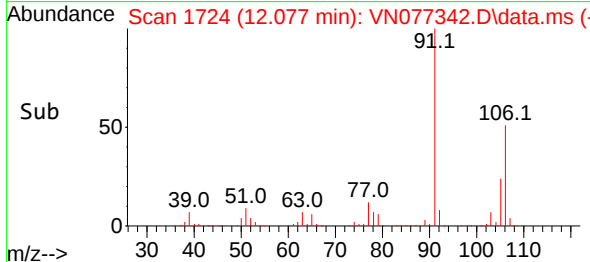
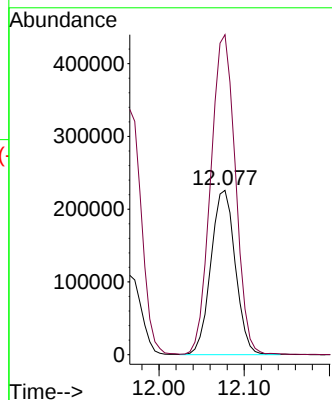
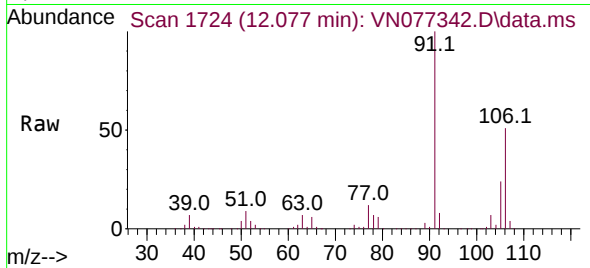
#67
m/p-Xylenes
Concen: 37.027 ug/l
RT: 12.077 min Scan# 1723
Delta R.T. 0.005 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tgt Ion:106 Resp: 45148
Ion Ratio Lower Upper
106 100
91 196.9 158.0 237.0

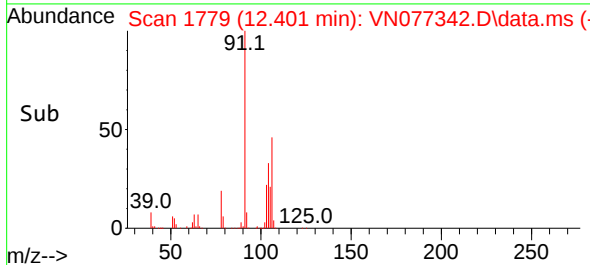
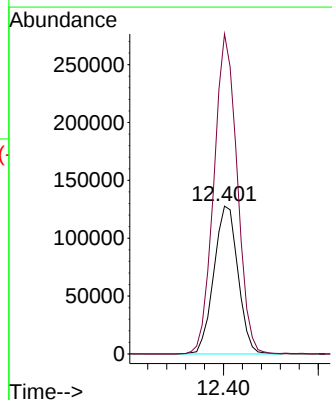
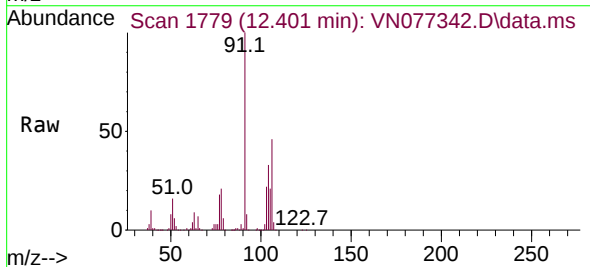
Manual Integrations
APPROVED

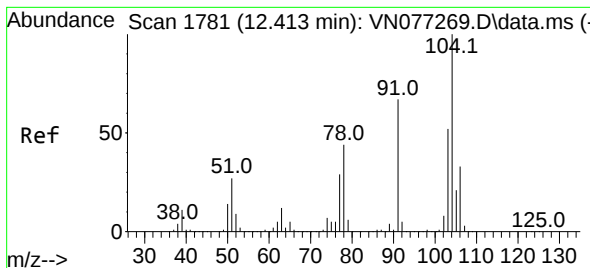
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#68
o-Xylene
Concen: 18.484 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Tgt Ion:106 Resp: 225485
Ion Ratio Lower Upper
106 100
91 209.3 103.6 310.8





#69

Styrene

Concen: 18.258 ug/l

RT: 12.413 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

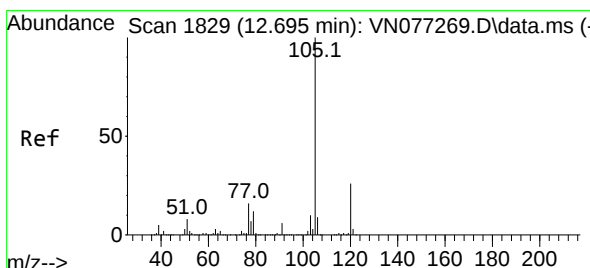
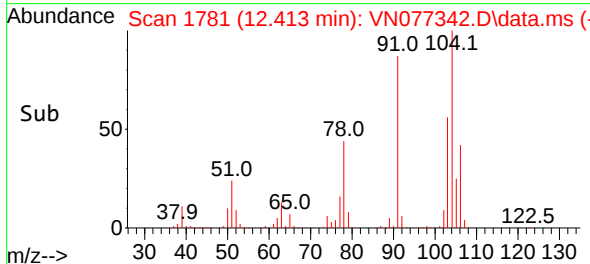
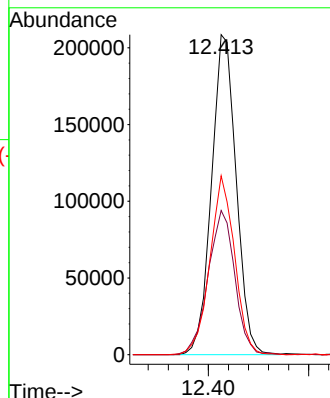
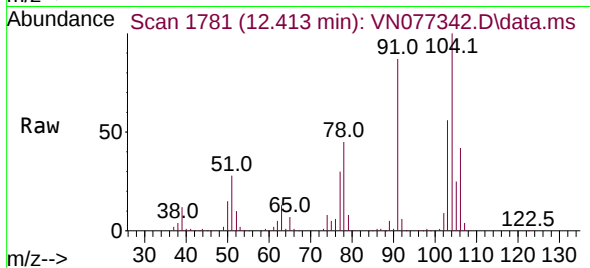
Tgt Ion:104 Resp: 356844
 Ion Ratio Lower Upper
 104 100
 78 48.5 38.2 57.4
 103 55.9 43.6 65.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#70

Isopropylbenzene

Concen: 18.914 ug/l

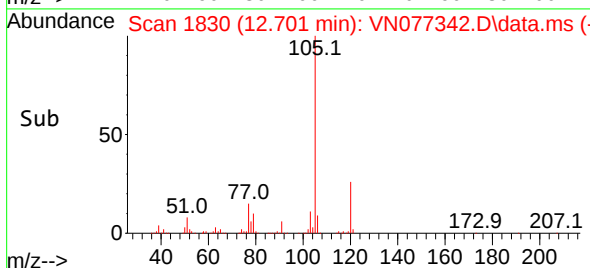
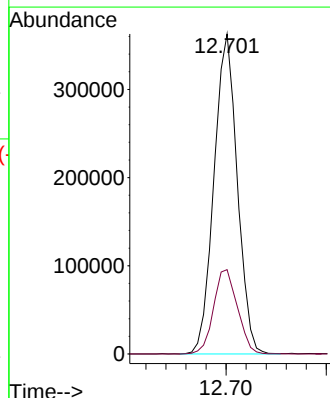
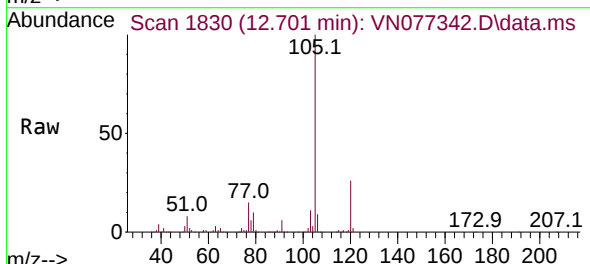
RT: 12.701 min Scan# 1830

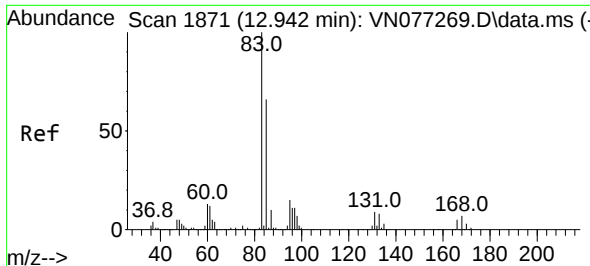
Delta R.T. 0.006 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

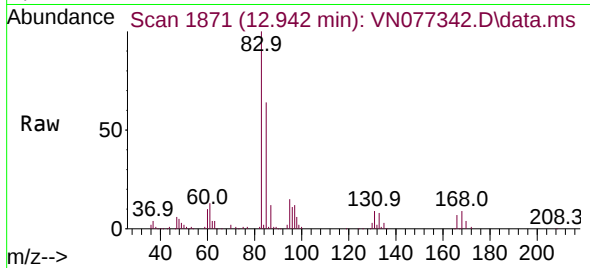
Tgt Ion:105 Resp: 585564
 Ion Ratio Lower Upper
 105 100
 120 27.0 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 19.473 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

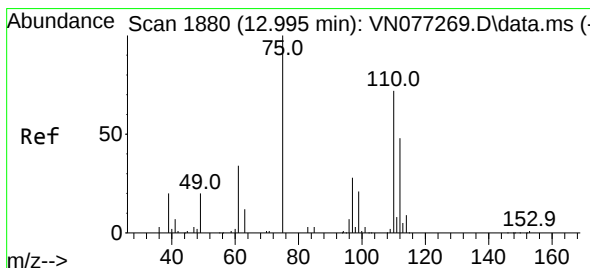
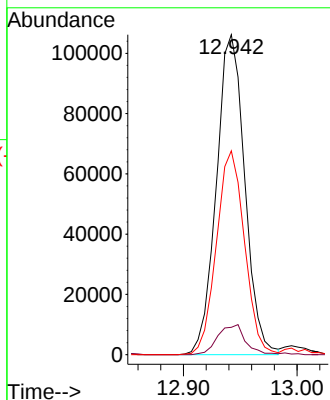
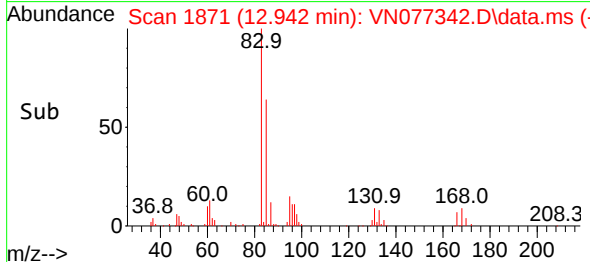
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion: 83 Resp: 184612
Ion Ratio Lower Upper
83 100
131 9.1 4.7 14.0
85 62.9 32.3 96.8

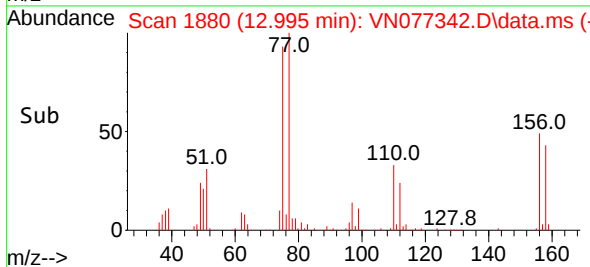
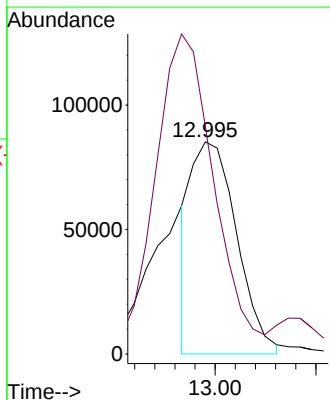
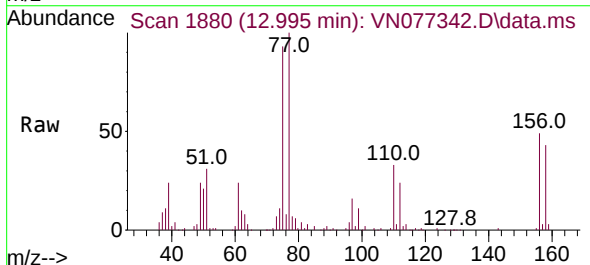
Manual Integrations
APPROVED

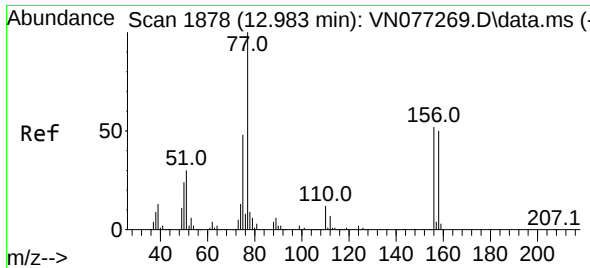
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#72
1,2,3-Trichloropropane
Concen: 20.739 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

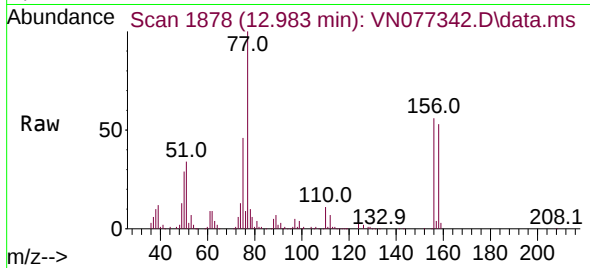
Tgt Ion: 75 Resp: 133652
Ion Ratio Lower Upper
75 100
77 196.4 0.0 434.2





#73
Bromobenzene
Concen: 19.719 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

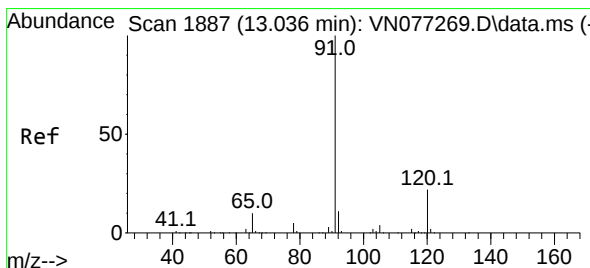
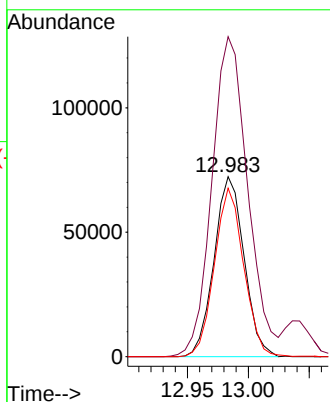
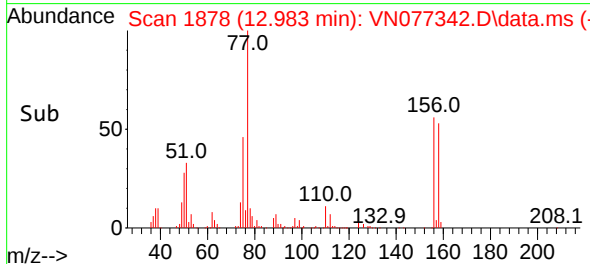
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion: 156 Resp: 124030
Ion Ratio Lower Upper
156 100
77 211.7 0.0 456.6
158 91.4 0.0 195.6

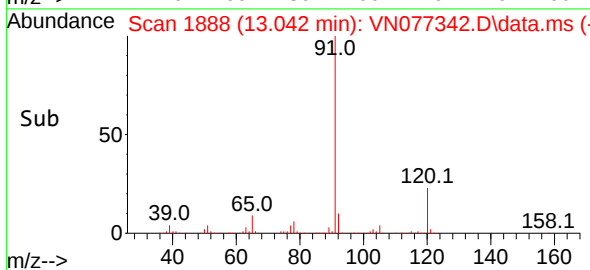
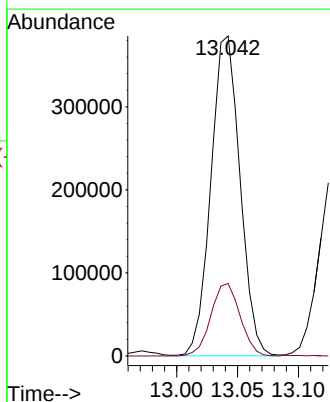
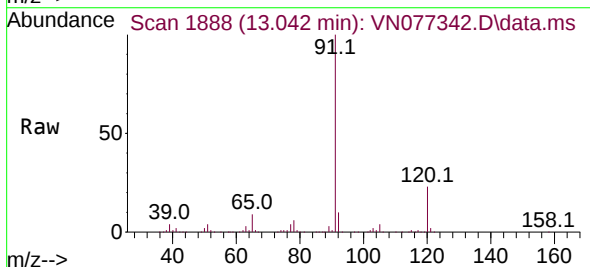
Manual Integrations
APPROVED

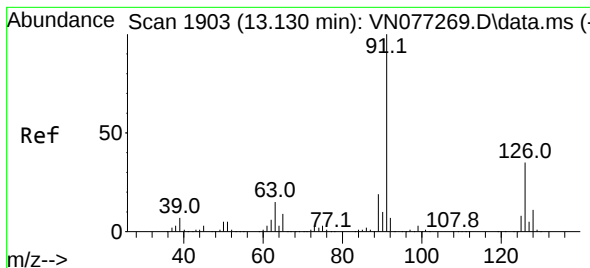
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#74
n-propylbenzene
Concen: 18.681 ug/l
RT: 13.042 min Scan# 1888
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Tgt Ion: 91 Resp: 639898
Ion Ratio Lower Upper
91 100
120 22.7 0.0 45.6





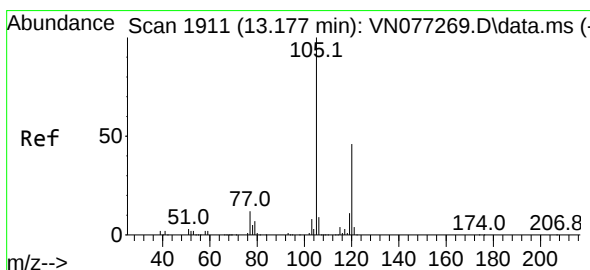
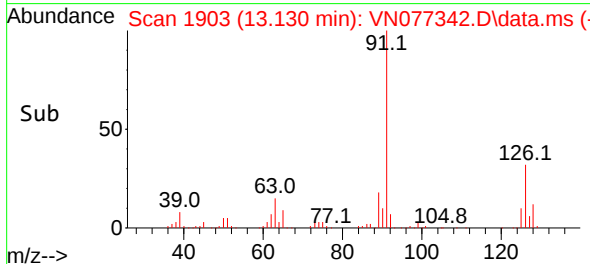
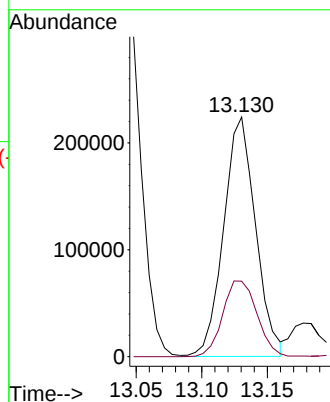
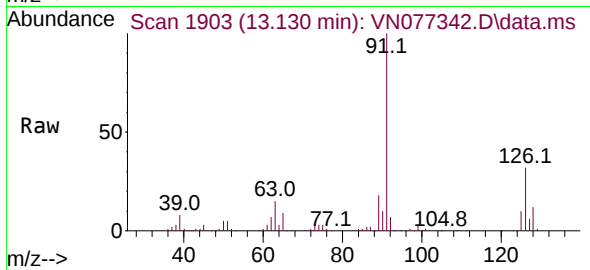
#75
2-Chlorotoluene
Concen: 18.465 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tgt Ion: 91 Resp: 378890
Ion Ratio Lower Upper
91 100
126 34.0 0.0 67.0

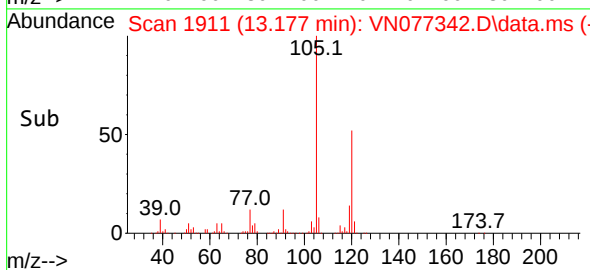
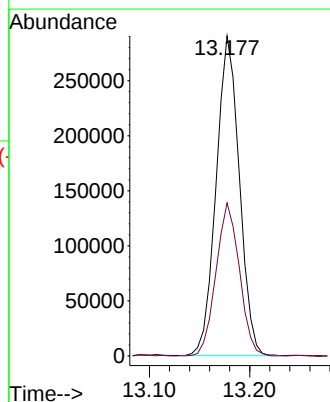
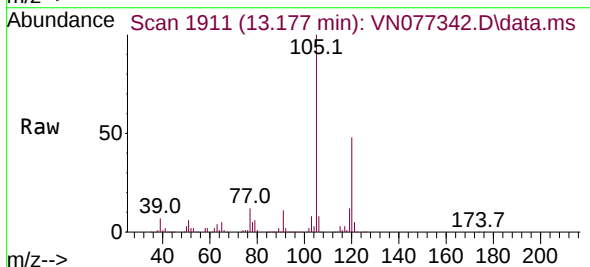
Manual Integrations
APPROVED

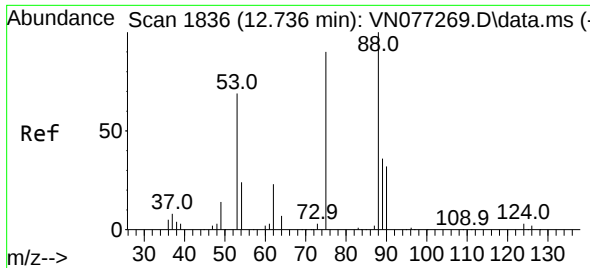
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#76
1,3,5-Trimethylbenzene
Concen: 18.468 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

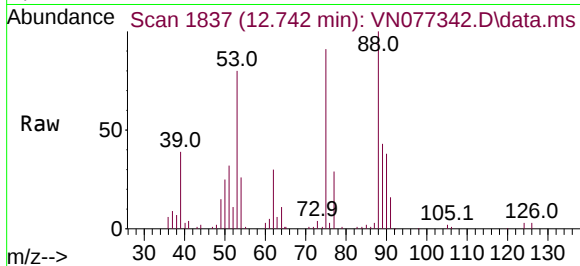
Tgt Ion:105 Resp: 465342
Ion Ratio Lower Upper
105 100
120 48.3 0.0 94.4





#77
t-1,4-Dichloro-2-butene
Concen: 17.143 ug/l
RT: 12.742 min Scan# 1837
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

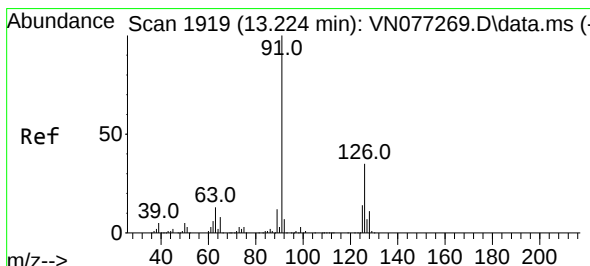
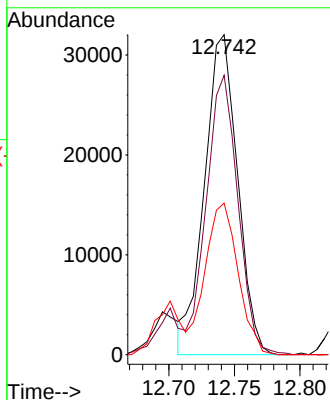
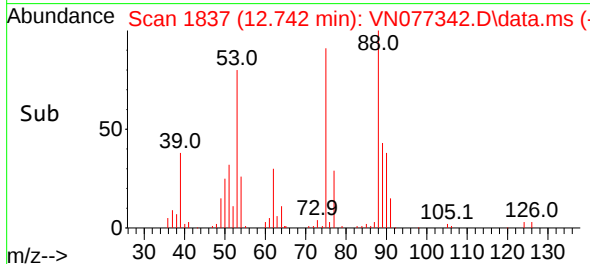
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion: 75 Resp: 5627
Ion Ratio Lower Upper
75 100
53 86.6 38.8 116.4
89 47.4 23.2 69.6

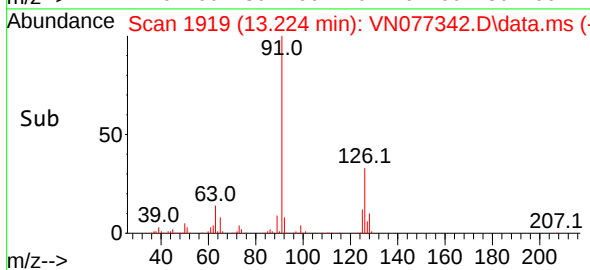
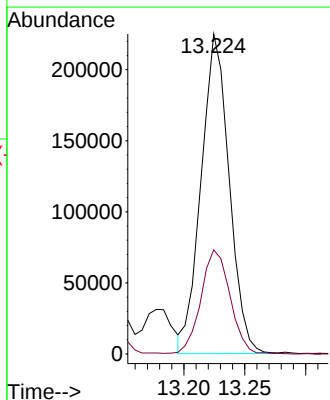
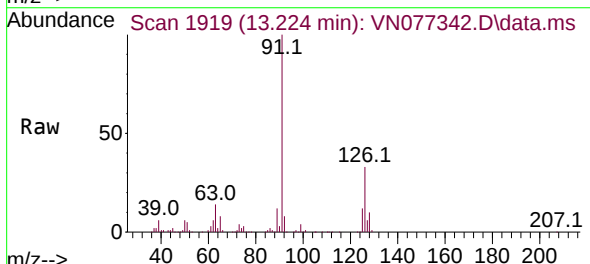
Manual Integrations
APPROVED

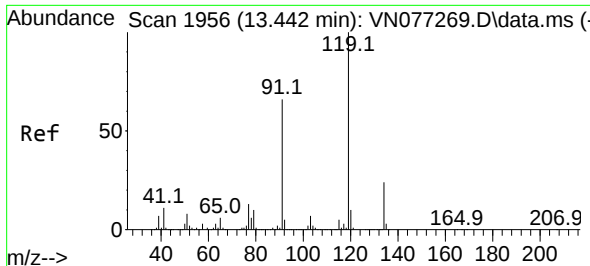
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#78
4-Chlorotoluene
Concen: 18.580 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

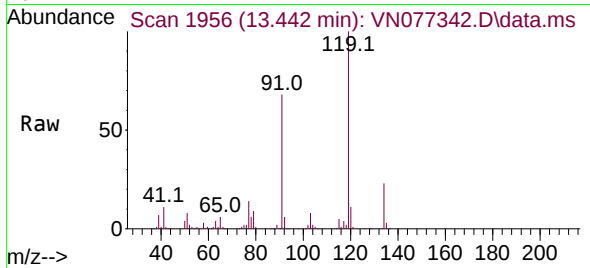
Tgt Ion: 91 Resp: 360241
Ion Ratio Lower Upper
91 100
126 33.0 0.0 67.4





#79
tert-butylbenzene
Concen: 18.528 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

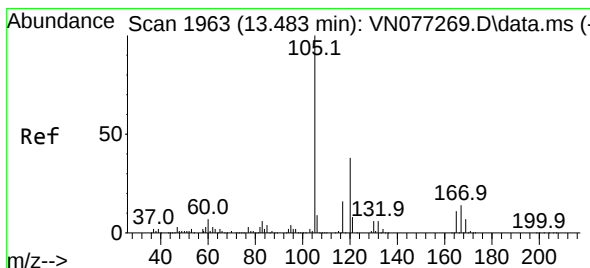
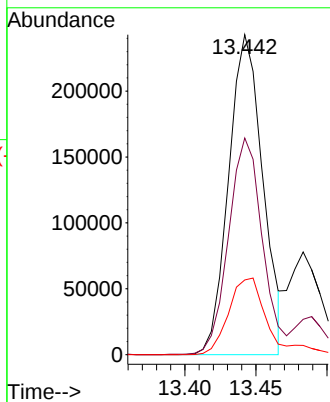
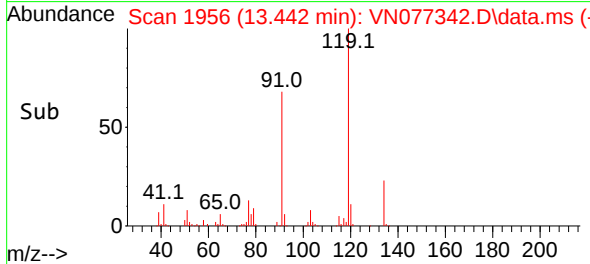
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion:119 Resp: 406290
Ion Ratio Lower Upper
119 100
91 66.9 0.0 131.0
134 25.1 0.0 49.8

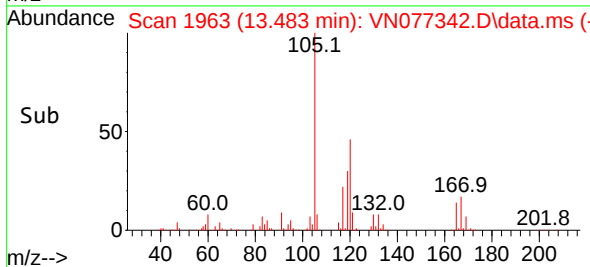
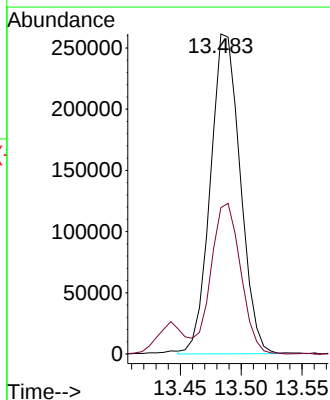
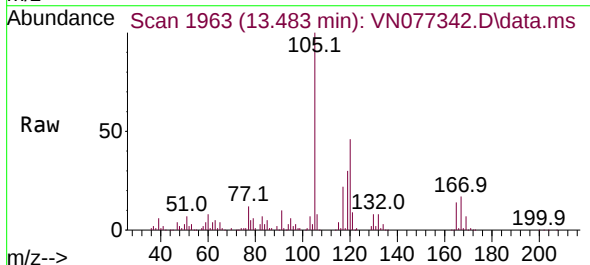
Manual Integrations
APPROVED

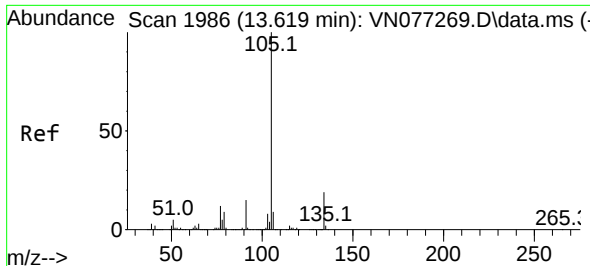
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#80
1,2,4-Trimethylbenzene
Concen: 18.145 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

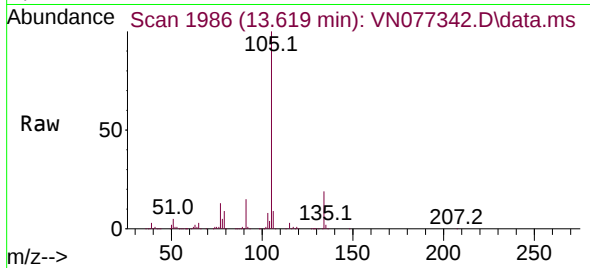
Tgt Ion:105 Resp: 445689
Ion Ratio Lower Upper
105 100
120 46.6 0.0 91.0





#81
 sec-Butylbenzene
 Concen: 18.717 ug/l
 RT: 13.619 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN077342.D
 Acq: 14 Apr 2023 10:03

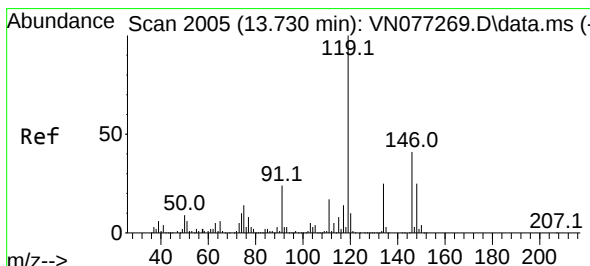
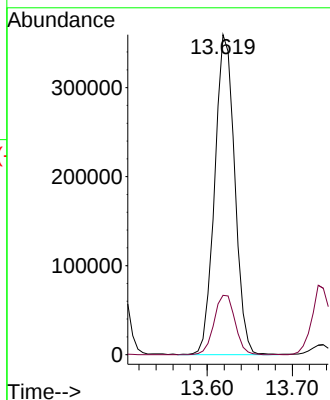
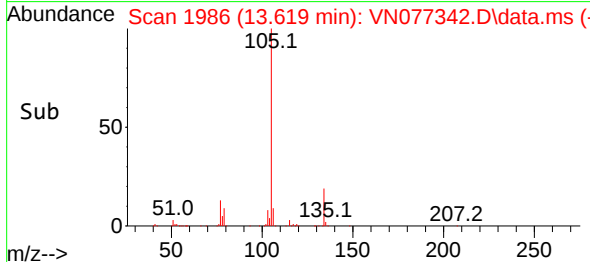
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01



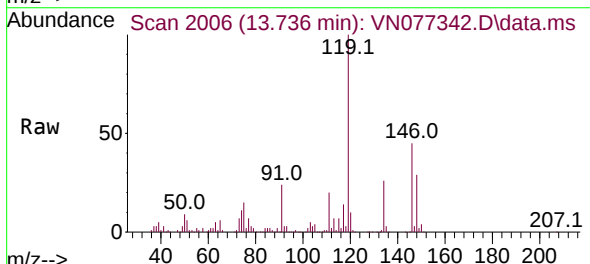
Tgt Ion:105 Resp: 586190
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 38.6

Manual Integrations
 APPROVED

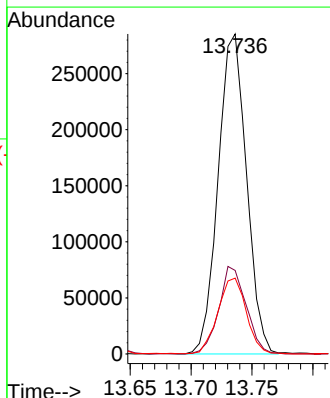
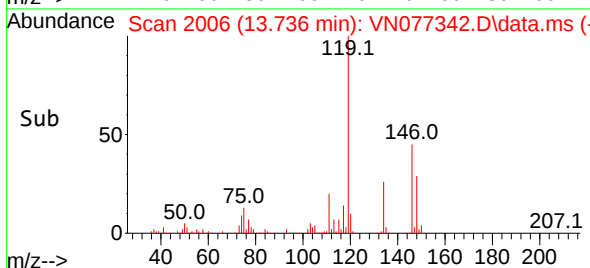
Reviewed By :John Carlone 04/17/2023
 Supervised By :Mahesh Dadoda 04/17/2023

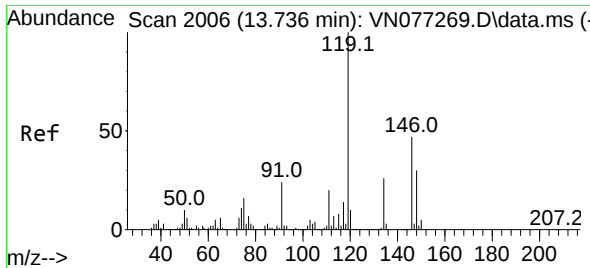


#82
 p-Isopropyltoluene
 Concen: 18.459 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. 0.006 min
 Lab File: VN077342.D
 Acq: 14 Apr 2023 10:03



Tgt Ion:119 Resp: 463162
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 51.0
 91 23.7 0.0 48.0





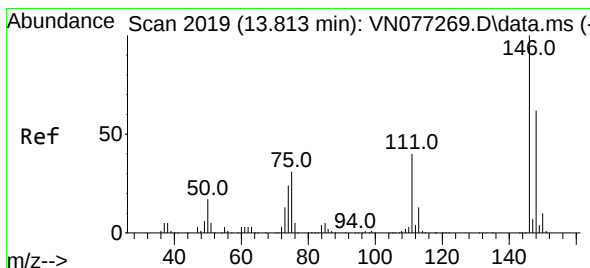
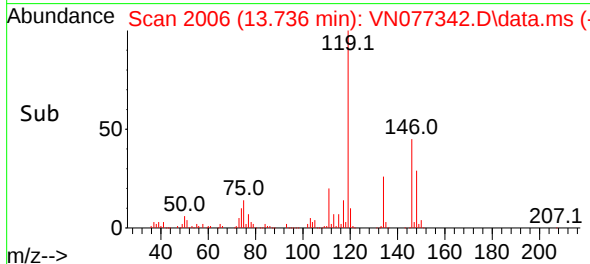
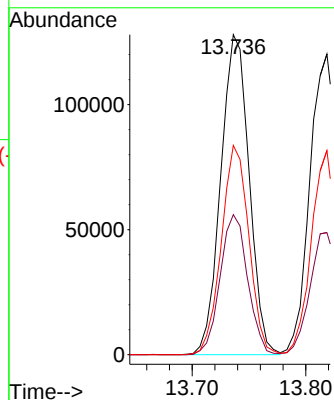
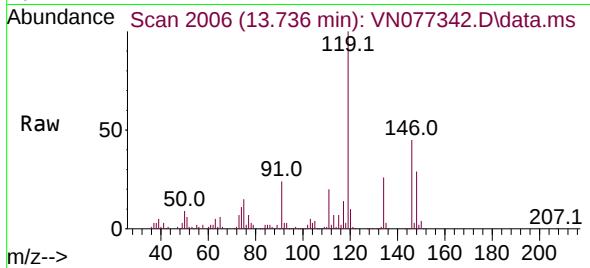
#83
1,3-Dichlorobenzene
Concen: 18.617 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tgt Ion:146 Resp: 22202
Ion Ratio Lower Upper
146 100
111 42.6 21.4 64.2
148 63.5 31.9 95.5

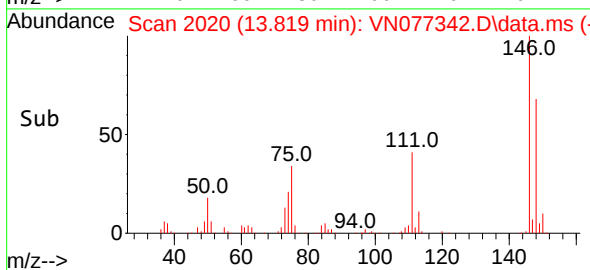
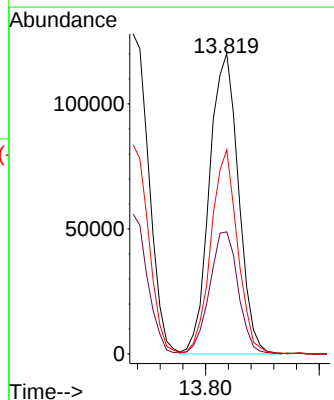
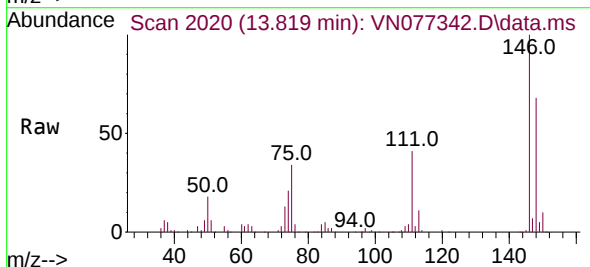
Manual Integrations
APPROVED

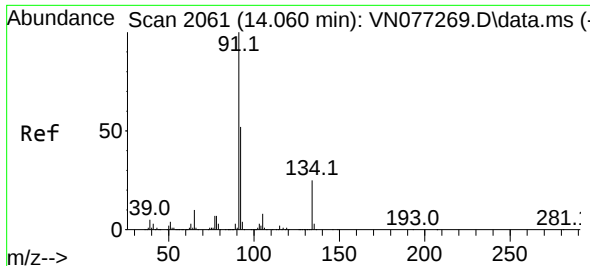
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#84
1,4-Dichlorobenzene
Concen: 18.410 ug/l
RT: 13.819 min Scan# 2020
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

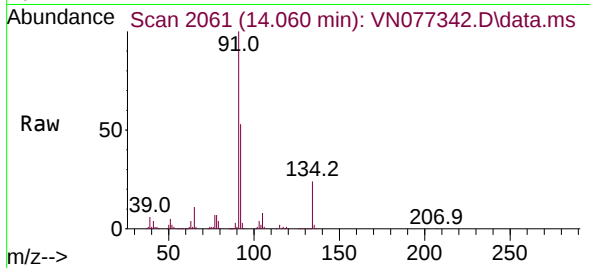
Tgt Ion:146 Resp: 213012
Ion Ratio Lower Upper
146 100
111 40.2 20.3 61.0
148 62.5 31.6 94.7





#85
n-Butylbenzene
Concen: 17.659 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

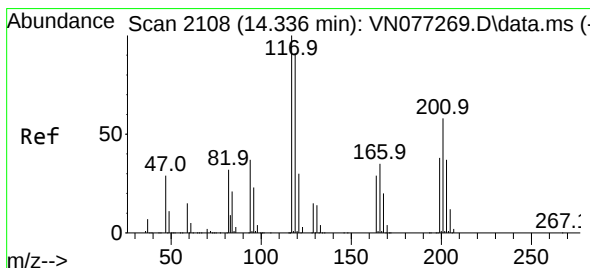
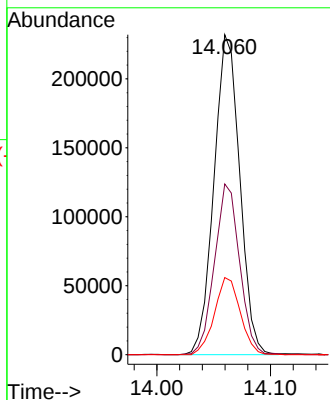
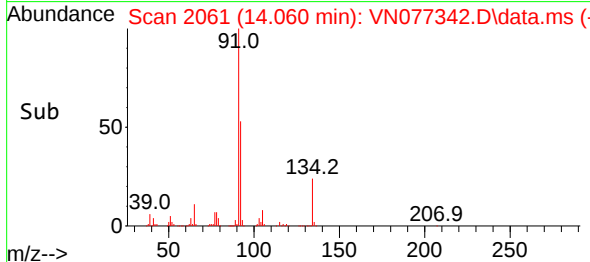
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion: 91 Resp: 366148
Ion Ratio Lower Upper
91 100
92 51.8 0.0 105.6
134 24.1 0.0 49.4

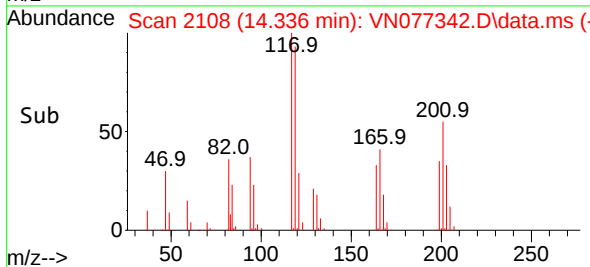
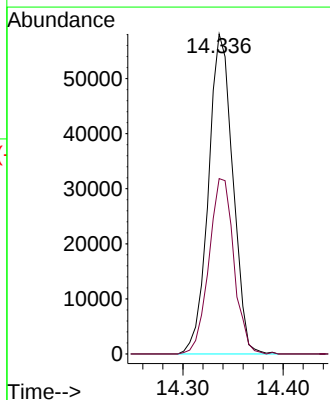
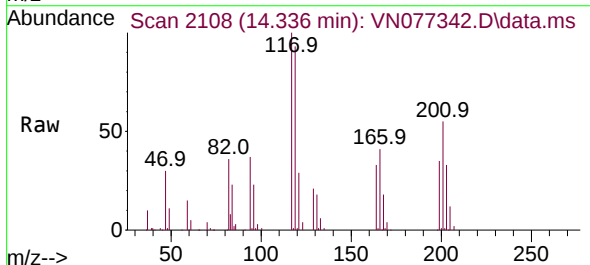
Manual Integrations
APPROVED

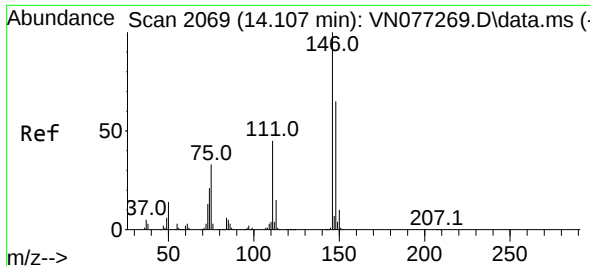
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#86
Hexachloroethane
Concen: 18.400 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

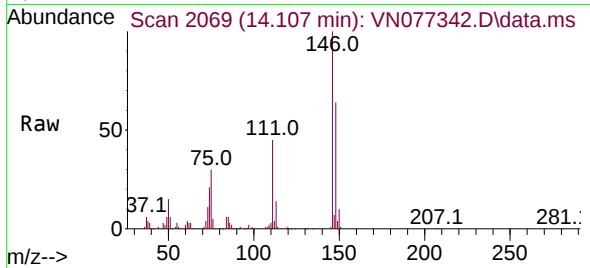
Tgt Ion:117 Resp: 98208
Ion Ratio Lower Upper
117 100
201 56.0 29.1 87.4





#87
1,2-Dichlorobenzene
Concen: 18.783 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

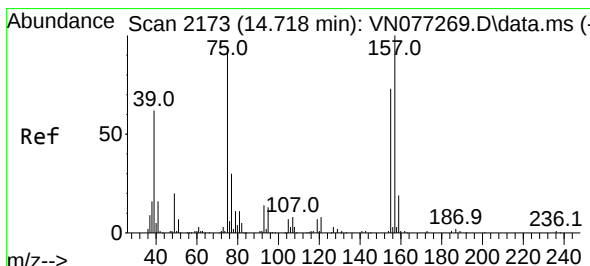
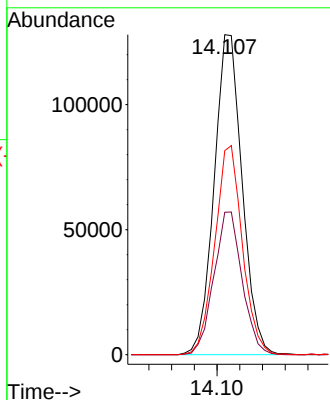
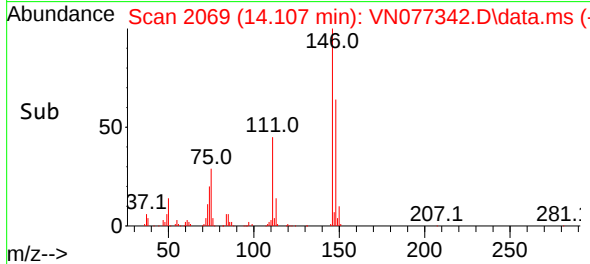
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



Tgt Ion:146 Resp: 219480
Ion Ratio Lower Upper
146 100
111 44.9 22.1 66.5
148 64.3 31.9 95.7

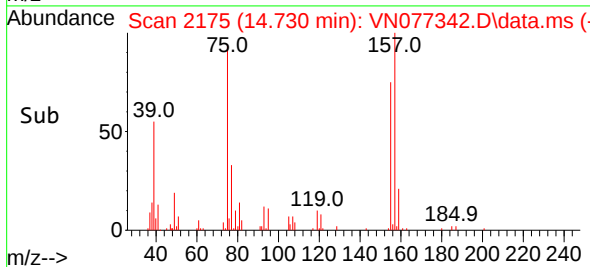
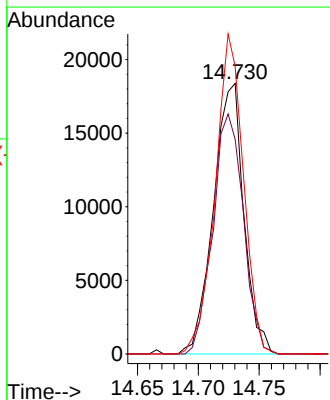
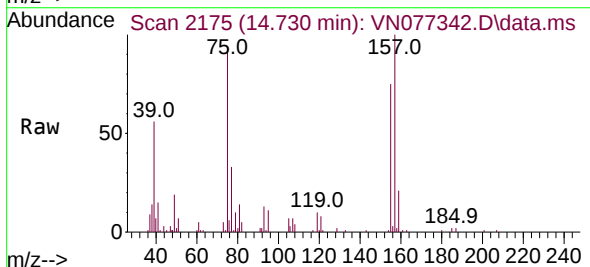
Manual Integrations
APPROVED

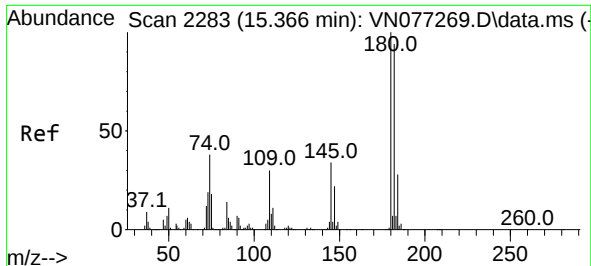
Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 17.620 ug/l
RT: 14.730 min Scan# 2175
Delta R.T. 0.012 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

Tgt Ion: 75 Resp: 32010
Ion Ratio Lower Upper
75 100
155 88.8 67.8 101.6
157 109.4 86.3 129.5





#89

1,2,4-Trichlorobenzene

Concen: 14.842 ug/l

RT: 15.371 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

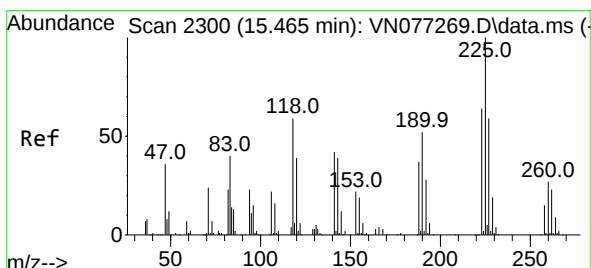
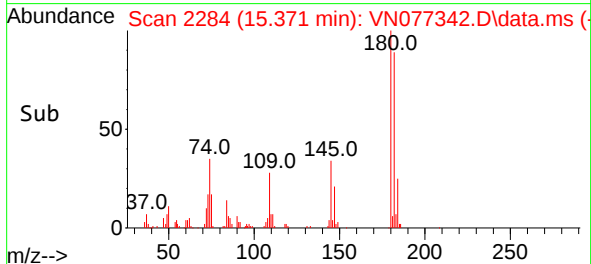
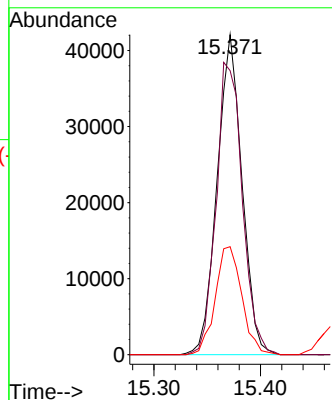
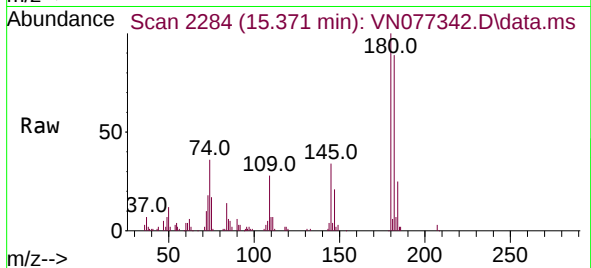
Tgt Ion:180 Resp: 6822
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.6 113.4
 145 36.0 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/17/2023

Supervised By :Mahesh Dadoda 04/17/2023



#90

Hexachlorobutadiene

Concen: 18.508 ug/l

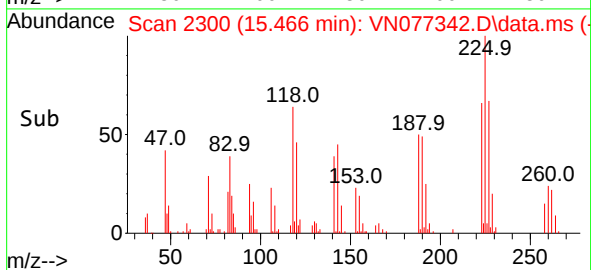
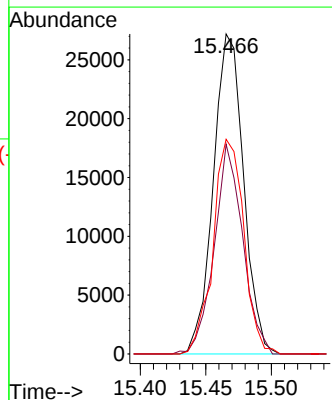
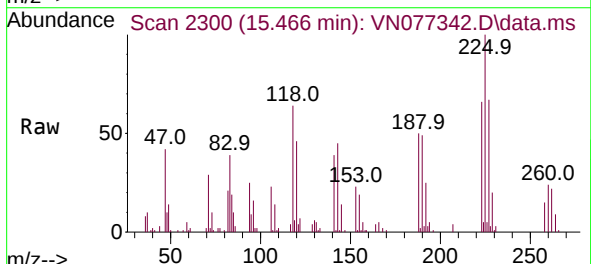
RT: 15.466 min Scan# 2300

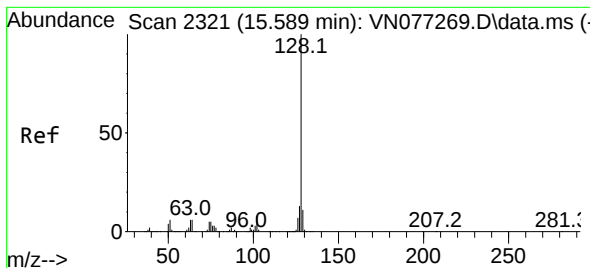
Delta R.T. 0.001 min

Lab File: VN077342.D

Acq: 14 Apr 2023 10:03

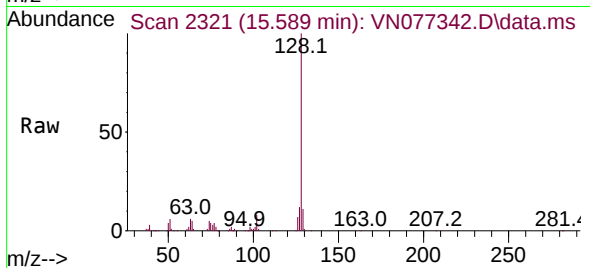
Tgt Ion:225 Resp: 43630
 Ion Ratio Lower Upper
 225 100
 223 61.8 0.0 126.0
 227 67.7 0.0 127.2





#91
Naphthalene
Concen: 14.955 ug/l
RT: 15.589 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03

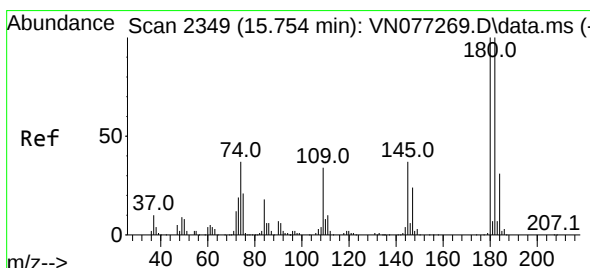
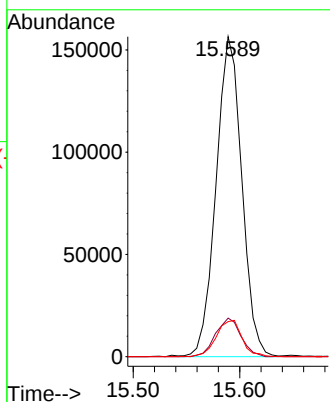
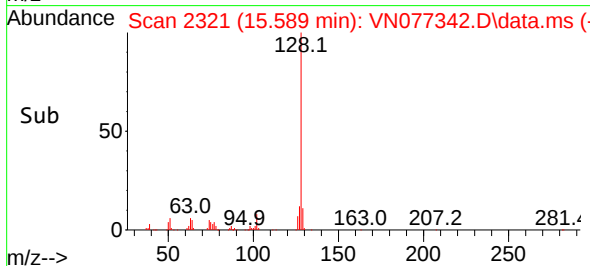
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01



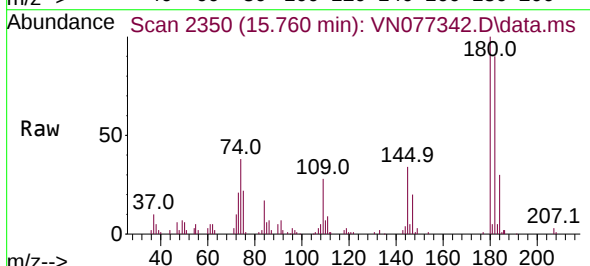
Tgt Ion:128 Resp: 262594
Ion Ratio Lower Upper
128 100
127 11.9 10.2 15.2
129 11.3 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/17/2023
Supervised By :Mahesh Dadoda 04/17/2023



#92
1,2,3-Trichlorobenzene
Concen: 14.700 ug/l
RT: 15.760 min Scan# 2350
Delta R.T. 0.006 min
Lab File: VN077342.D
Acq: 14 Apr 2023 10:03



Tgt Ion:180 Resp: 65929
Ion Ratio Lower Upper
180 100
182 96.9 0.0 190.4
145 34.9 0.0 72.4

