

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121621\
 Data File : VN070138.D
 Acq On : 16 Dec 2021 15:23
 Operator : JC/MD
 Sample : VN1216WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01

Quant Time: Dec 16 15:53:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/17/2021
 Supervised By : Mahesh Dadoda 12/23/2021

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	1004190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1645338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1526275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	609257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	842852	54.361	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.720%			
35) Dibromofluoromethane	8.024	113	566496	54.967	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.940%			
50) Toluene-d8	10.443	98	2266296	54.765	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.540%			
62) 4-Bromofluorobenzene	12.731	95	818974	54.628	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	211849	18.088	ug/l	98
3) Chloromethane	2.303	50	264419	18.020	ug/l	99
4) Vinyl Chloride	2.443	62	240076	17.794	ug/l	100
5) Bromomethane	2.845	94	135922	18.543	ug/l	98
6) Chloroethane	3.014	64	151326	18.303	ug/l	97
7) Trichlorofluoromethane	3.371	101	317667	17.939	ug/l	99
8) Diethyl Ether	3.824	74	135547	19.875	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.202	101	198937	20.041	ug/l	96
10) Methyl Iodide	4.414	142	254594	18.775	ug/l	99
11) Tert butyl alcohol	5.390	59	306655	104.633	ug/l #	91
12) 1,1-Dichloroethene	4.173	96	187098	19.560	ug/l	89
13) Acrolein	4.041	56	186157	74.588	ug/l	99
14) Allyl chloride	4.835	41	427059	19.813	ug/l #	91
15) Acrylonitrile	5.559	53	848178	107.400	ug/l	99
16) Acetone	4.291	43	1040793	111.592	ug/l	96
17) Carbon Disulfide	4.524	76	346789	14.033	ug/l	98
18) Methyl Acetate	4.859	43	589172	20.928	ug/l	91
19) Methyl tert-butyl Ether	5.621	73	805683	21.663	ug/l	97
20) Methylene Chloride	5.093	84	242271	19.540	ug/l	87
21) trans-1,2-Dichloroethene	5.594	96	198892	19.144	ug/l	87
22) Diisopropyl ether	6.501	45	933753	22.164	ug/l	93
23) Vinyl Acetate	6.436	43	3608301	105.277	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	452959	20.756	ug/l	97
25) 2-Butanone	7.340	43	1381744	109.036	ug/l	91
26) 2,2-Dichloropropane	7.327	77	333480	19.654	ug/l	97
27) cis-1,2-Dichloroethene	7.324	96	252003	20.076	ug/l	85
28) Bromochloromethane	7.657	49	201046	17.716	ug/l #	77
29) Tetrahydrofuran	7.689	42	843522	109.620	ug/l	88
30) Chloroform	7.820	83	456221	20.700	ug/l	98
31) Cyclohexane	8.094	56	416906	19.322	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	364228	19.401	ug/l	95
36) 1,1-Dichloropropene	8.223	75	315587	20.148	ug/l	96
37) Ethyl Acetate	7.415	43	507566	21.772	ug/l	94
38) Carbon Tetrachloride	8.209	117	276860	18.025	ug/l	99
39) Methylcyclohexane	9.459	83	368300	19.768	ug/l	89
40) Benzene	8.461	78	983986	20.553	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.641	41	252554	23.078	ug/l #	88
42) 1,2-Dichloroethane	8.531	62	406730	21.045	ug/l	96
43) Isopropyl Acetate	8.563	43	746149	21.628	ug/l #	93
44) Trichloroethene	9.217	130	226694	19.838	ug/l	89
45) 1,2-Dichloropropane	9.491	63	272555	21.200	ug/l	99
46) Dibromomethane	9.577	93	171083	20.291	ug/l	93
47) Bromodichloromethane	9.762	83	314538	19.703	ug/l	98
48) Methyl methacrylate	9.561	41	341507	21.212	ug/l	84
49) 1,4-Dioxane	9.572	88	127118	440.039	ug/l #	84
51) 4-Methyl-2-Pentanone	10.333	43	2574108	115.017	ug/l	95
52) Toluene	10.505	92	615173	21.047	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	331648	19.099	ug/l	100
54) cis-1,3-Dichloropropene	10.191	75	372409	19.738	ug/l #	90
55) 1,1,2-Trichloroethane	10.899	97	251384	21.316	ug/l	99
56) Ethyl methacrylate	10.762	69	421008	20.337	ug/l #	88
57) 1,3-Dichloropropane	11.047	76	445629	21.460	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.044	63	509391	96.923	ug/l	91
59) 2-Hexanone	11.087	43	1899713	112.210	ug/l	94
60) Dibromochloromethane	11.240	129	206839	17.967	ug/l	98
61) 1,2-Dibromoethane	11.347	107	248415	20.337	ug/l	99
64) Tetrachloroethene	10.980	164	207023	20.004	ug/l	94
65) Chlorobenzene	11.771	112	639075	20.640	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.840	131	214989	19.727	ug/l	98
67) Ethyl Benzene	11.846	91	1207075	21.461	ug/l	96
68) m/p-Xylenes	11.953	106	865456	42.260	ug/l	91
69) o-Xylene	12.280	106	429440	20.818	ug/l	90
70) Styrene	12.296	104	689371	21.075	ug/l	96
71) Bromoform	12.457	173	145283	17.466	ug/l #	100
73) Isopropylbenzene	12.581	105	1157403	21.352	ug/l	97
74) N-amyl acetate	12.390	43	482285	20.118	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	400160	21.348	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	335737m	19.216	ug/l	
77) Bromobenzene	12.862	156	261816	20.563	ug/l	77
78) n-propylbenzene	12.921	91	1272284	21.092	ug/l	96
79) 2-Chlorotoluene	13.007	91	806694	21.165	ug/l	92
80) 1,3,5-Trimethylbenzene	13.061	105	940675	21.560	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.626	75	84366	18.581	ug/l #	82
82) 4-Chlorotoluene	13.106	91	747861	20.864	ug/l	92
83) tert-Butylbenzene	13.324	119	814298	21.078	ug/l	92
84) 1,2,4-Trimethylbenzene	13.369	105	955433	22.994	ug/l	98
85) sec-Butylbenzene	13.503	105	1107181	21.128	ug/l	97
86) p-Isopropyltoluene	13.616	119	862383	21.054	ug/l	97
87) 1,3-Dichlorobenzene	13.619	146	427179	20.422	ug/l	96
88) 1,4-Dichlorobenzene	13.696	146	416008	20.238	ug/l	96
89) n-Butylbenzene	13.943	91	698970	21.036	ug/l	99
90) Hexachloroethane	14.211	117	123311	17.147	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	422394	20.725	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	63959	18.883	ug/l	79
93) 1,2,4-Trichlorobenzene	15.265	180	192399	21.018	ug/l	99
94) Hexachlorobutadiene	15.370	225	119595	22.142	ug/l	98
95) Naphthalene	15.507	128	653944	24.198	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	196380	21.612	ug/l	98

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Response via : Initial Calibration

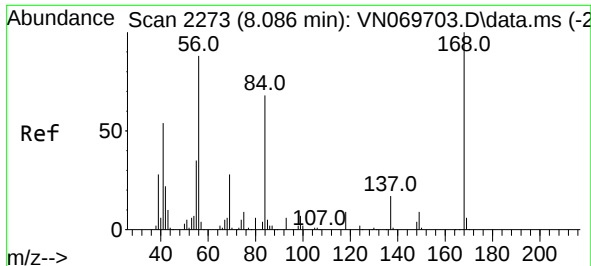
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

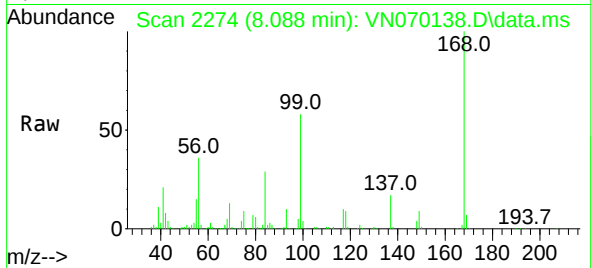
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

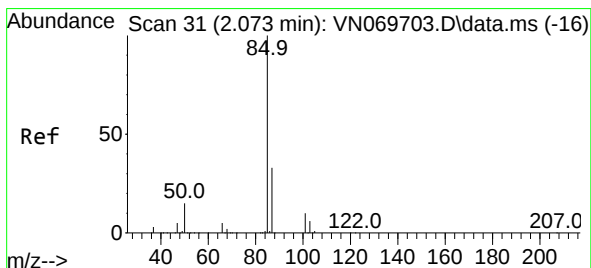
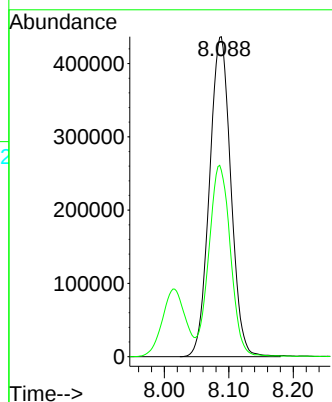
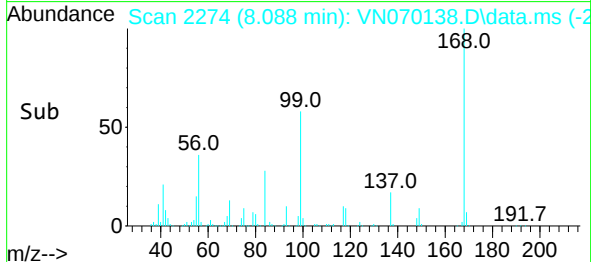
Instrument :
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Tgt Ion:168 Resp: 1004190
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9

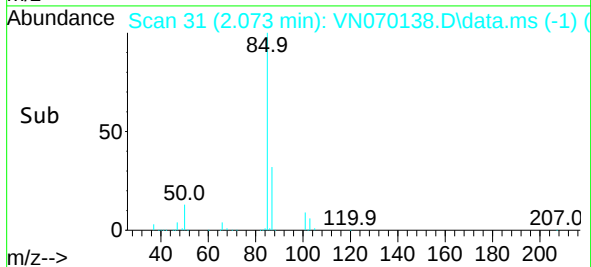
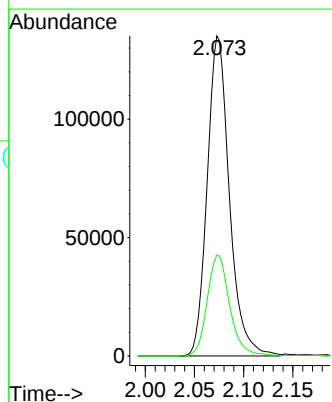
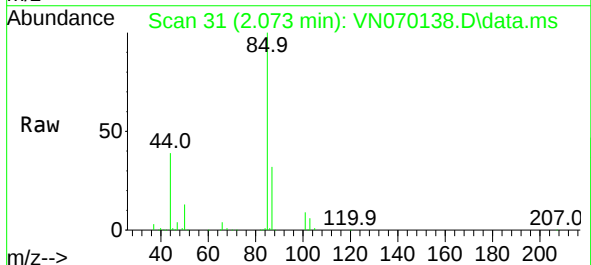
Manual Integrations
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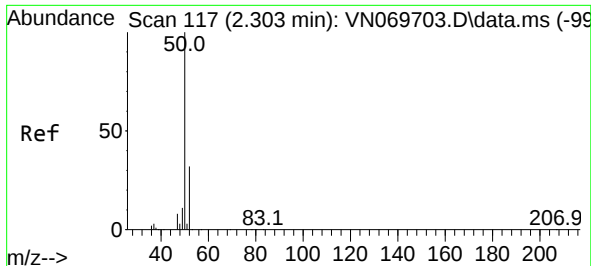
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#2
Dichlorodifluoromethane
Concen: 18.088 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

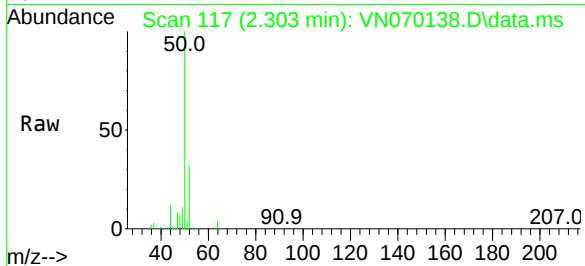
Tgt Ion: 85 Resp: 211849
Ion Ratio Lower Upper
85 100
87 31.5 16.3 48.9





#3
Chloromethane
Concen: 18.020 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

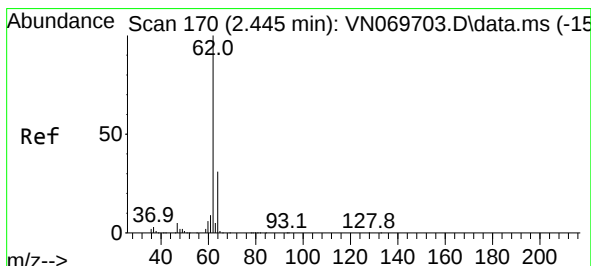
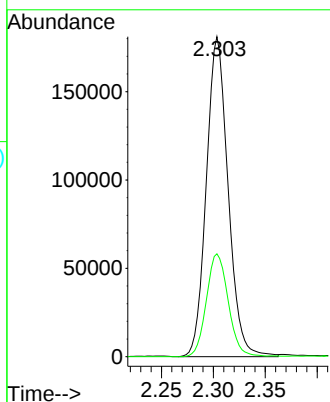
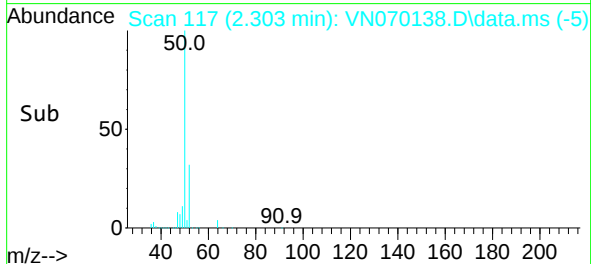
Instrument :
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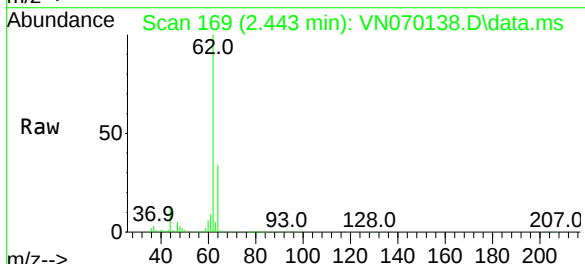
Tgt Ion: 50 Resp: 264419
Ion Ratio Lower Upper
50 100
52 32.2 25.4 38.0

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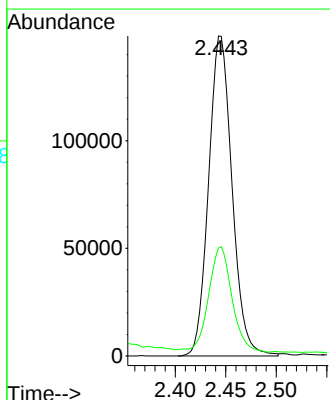
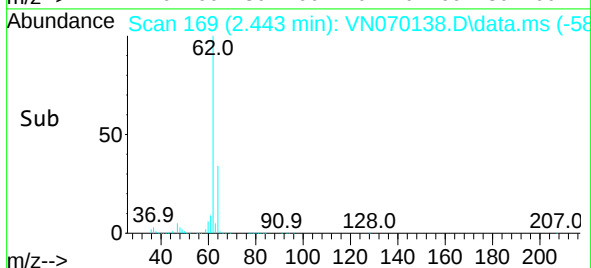
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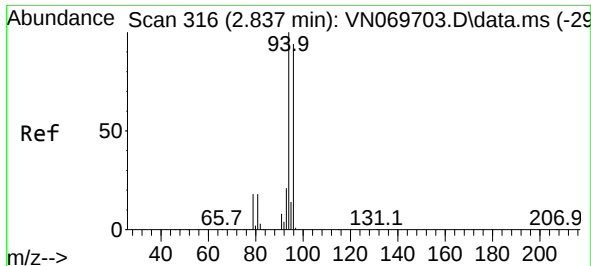


#4
Vinyl Chloride
Concen: 17.794 ug/l
RT: 2.443 min Scan# 169
Delta R.T. -0.002 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23



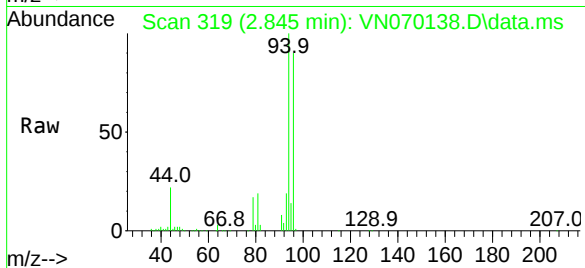
Tgt Ion: 62 Resp: 240076
Ion Ratio Lower Upper
62 100
64 32.4 25.8 38.6





#5
Bromomethane
Concen: 18.543 ug/l
RT: 2.845 min Scan# 316
Delta R.T. 0.008 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

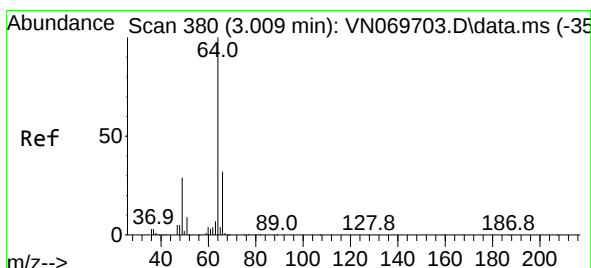
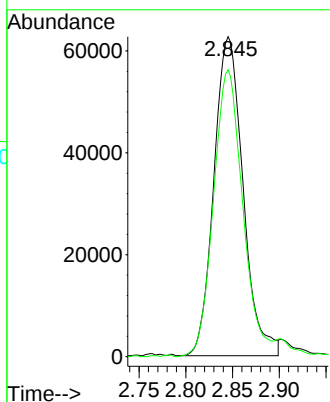
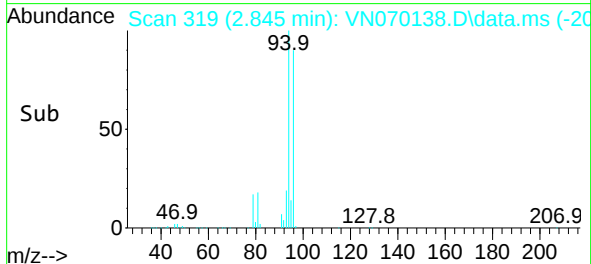
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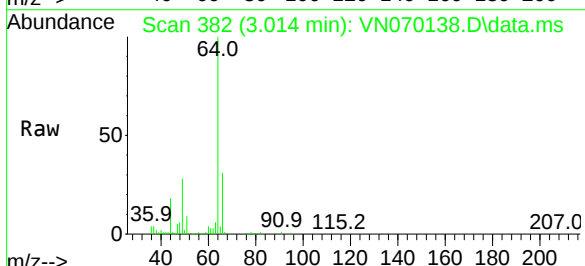
Tgt Ion: 94 Resp: 13592
Ion Ratio Lower Upper
94 100
96 89.9 73.8 110.8

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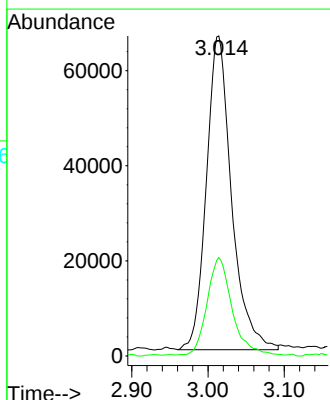
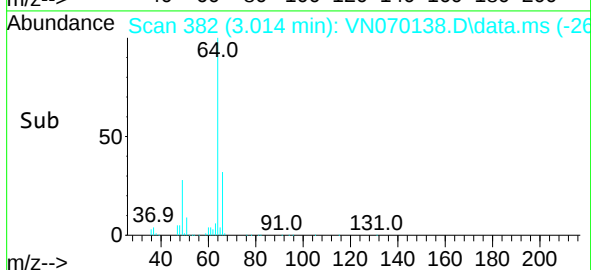
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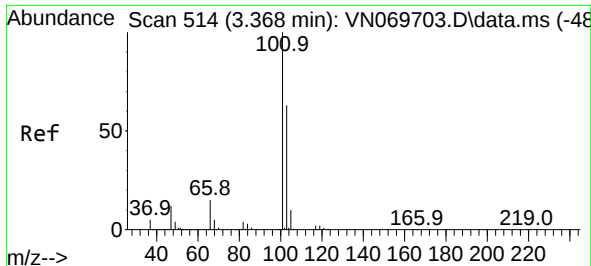


#6
Chloroethane
Concen: 18.303 ug/l
RT: 3.014 min Scan# 382
Delta R.T. 0.006 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23



Tgt Ion: 64 Resp: 151326
Ion Ratio Lower Upper
64 100
66 31.0 26.3 39.5





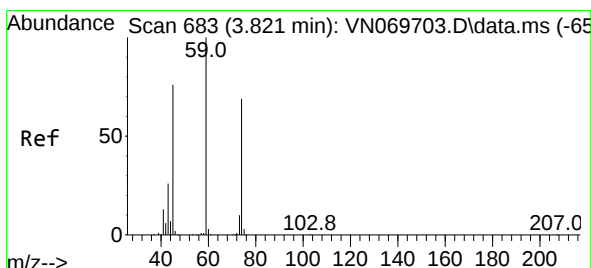
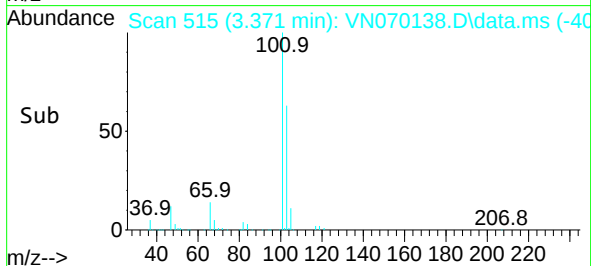
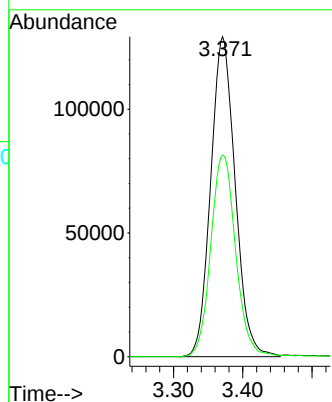
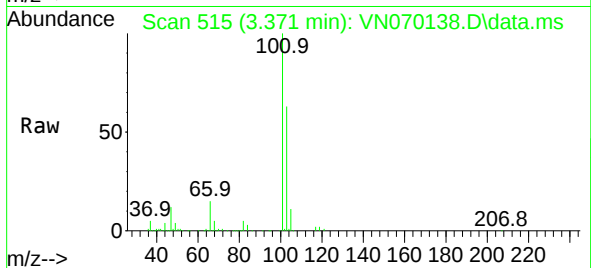
#7
Trichlorofluoromethane
Concen: 17.939 ug/l
RT: 3.371 min Scan# 514
Delta R.T. 0.003 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 31766
Ion Ratio Lower Upper
101 100
103 63.0 50.1 75.1

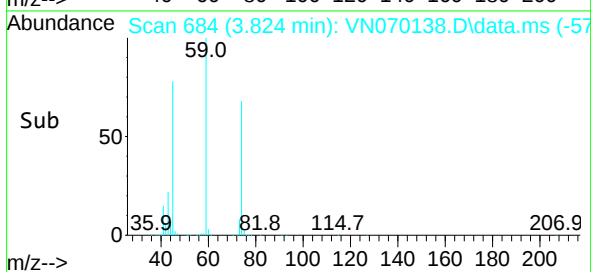
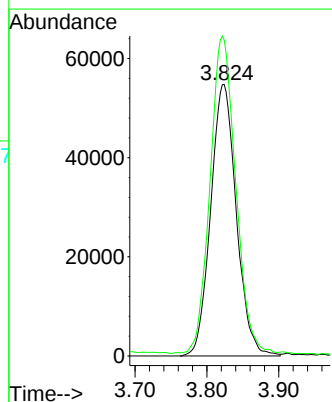
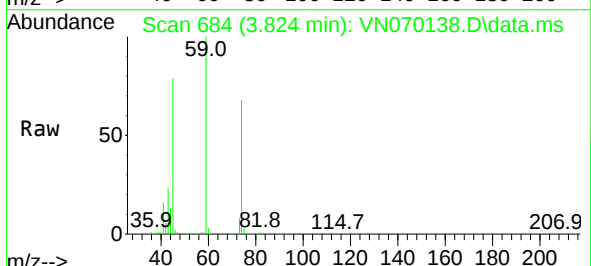
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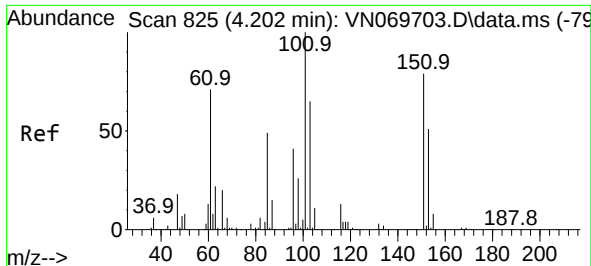
Reviewed By :John Carlone 12/17/2021
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#8
Diethyl Ether
Concen: 19.875 ug/l
RT: 3.824 min Scan# 684
Delta R.T. 0.003 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Tgt Ion: 74 Resp: 135547
Ion Ratio Lower Upper
74 100
45 115.9 47.0 141.2





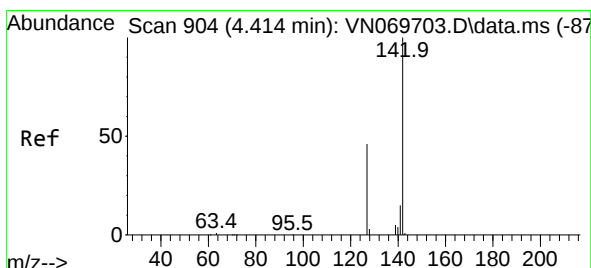
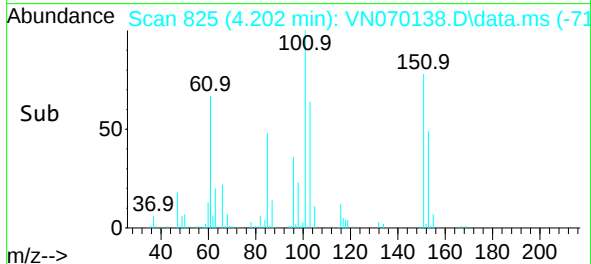
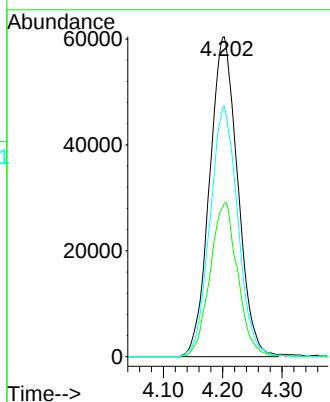
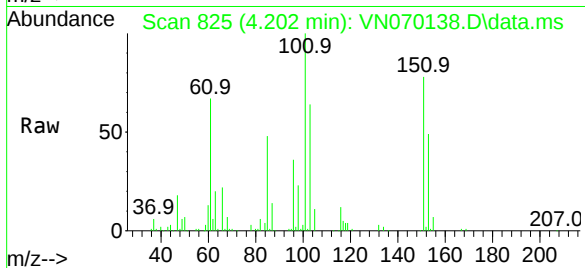
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.041 ug/l
RT: 4.202 min Scan# 825
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:101 Resp: 19893
Ion Ratio Lower Upper
101 100
85 47.2 37.2 55.8
151 77.4 65.9 98.9

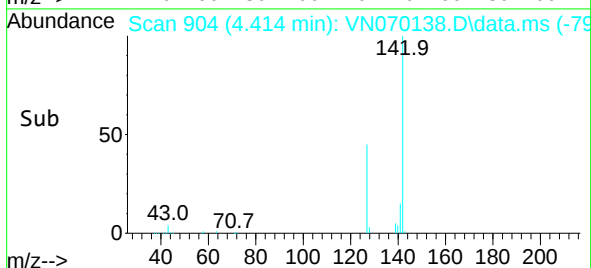
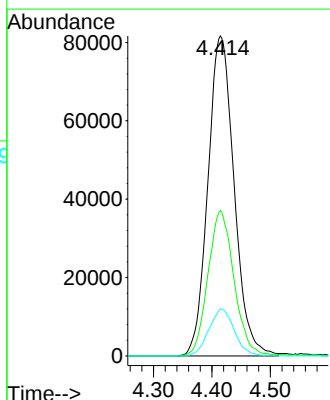
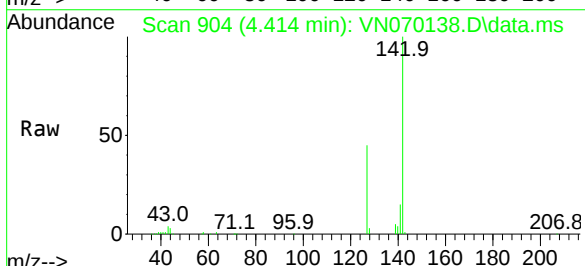
Manual Integrations
APPROVED

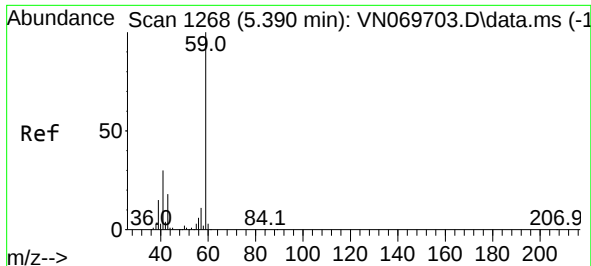
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#10
Methyl Iodide
Concen: 18.775 ug/l
RT: 4.414 min Scan# 904
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

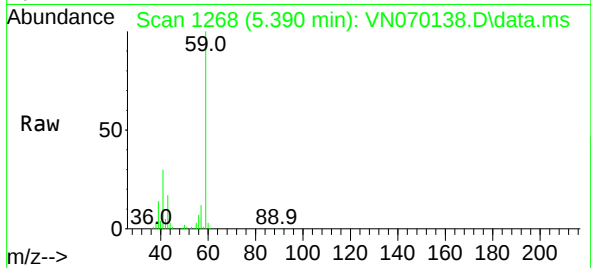
Tgt Ion:142 Resp: 254594
Ion Ratio Lower Upper
142 100
127 45.1 35.4 53.0
141 14.3 11.6 17.4





#11
Tert butyl alcohol
Concen: 104.633 ug/l
RT: 5.390 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

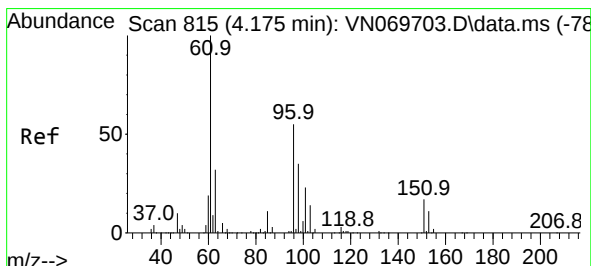
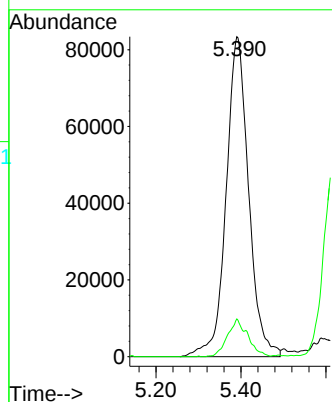
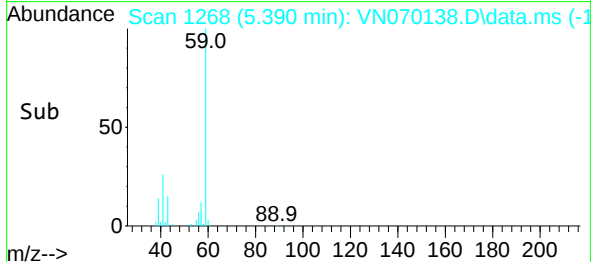
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



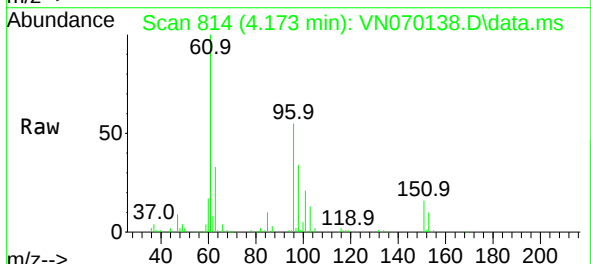
Tgt Ion: 59 Resp: 30665
Ion Ratio Lower Upper
59 100
57 7.6 8.7 13.1

Manual Integrations
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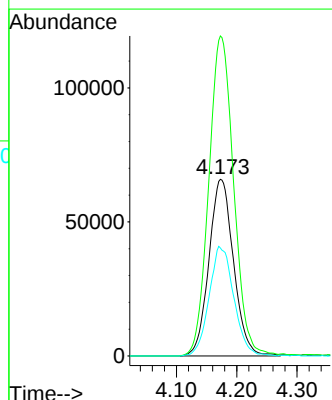
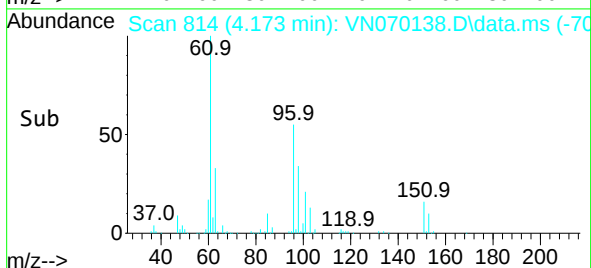
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#12
1,1-Dichloroethene
Concen: 19.560 ug/l
RT: 4.173 min Scan# 814
Delta R.T. -0.002 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23



Tgt Ion: 96 Resp: 187098
Ion Ratio Lower Upper
96 100
61 180.9 131.0 196.6
98 61.2 52.4 78.6





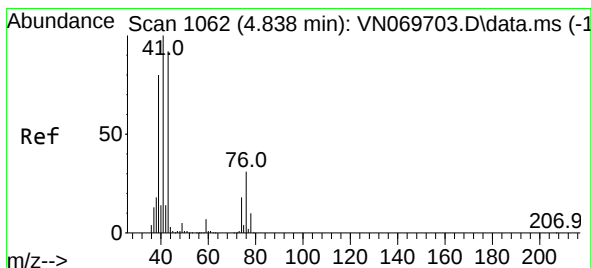
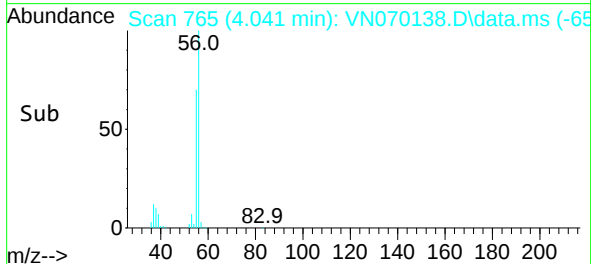
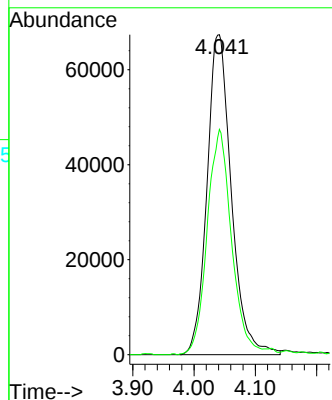
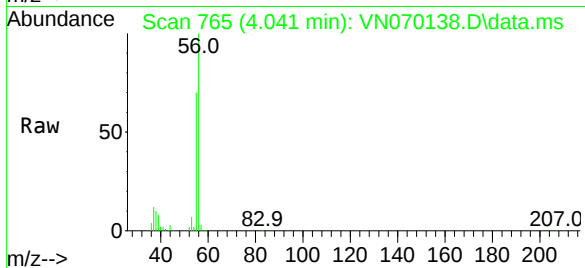
#13
Acrolein
Concen: 74.588 ug/l
RT: 4.041 min Scan# 70
Delta R.T. 0.003 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 56 Resp: 18615
Ion Ratio Lower Upper
56 100
55 70.1 56.6 85.0

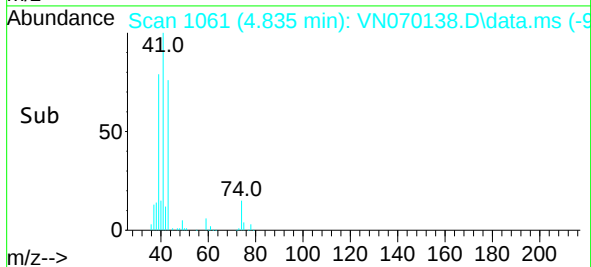
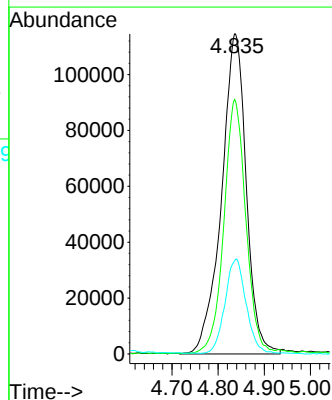
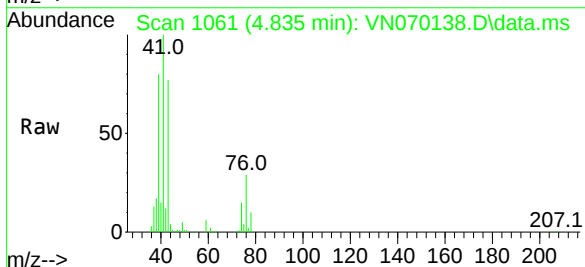
Manual Integrations
APPROVED

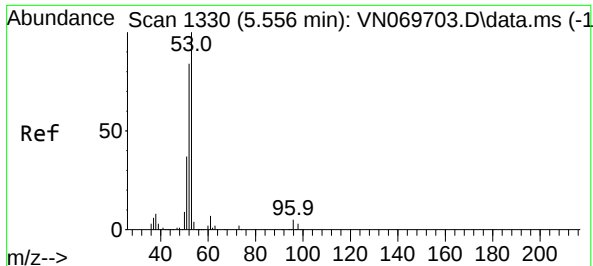
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#14
Allyl chloride
Concen: 19.813 ug/l
RT: 4.835 min Scan# 1061
Delta R.T. -0.002 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

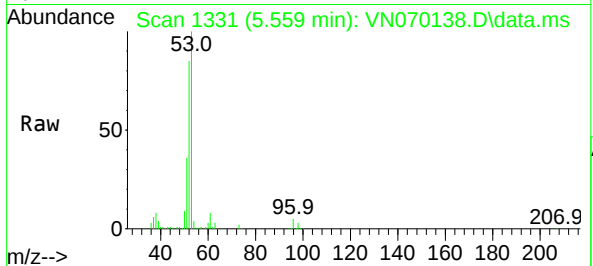
Tgt Ion: 41 Resp: 427059
Ion Ratio Lower Upper
41 100
39 70.1 61.2 91.8
76 24.9 26.0 39.0#





#15
Acrylonitrile
Concen: 107.400 ug/l
RT: 5.559 min Scan# 1330
Delta R.T. 0.003 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

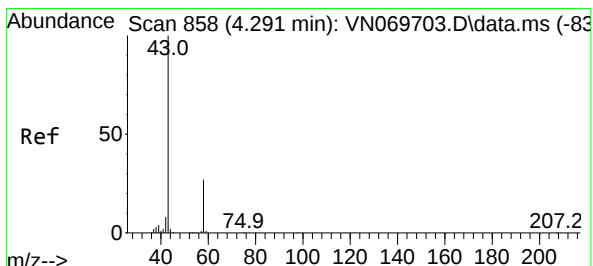
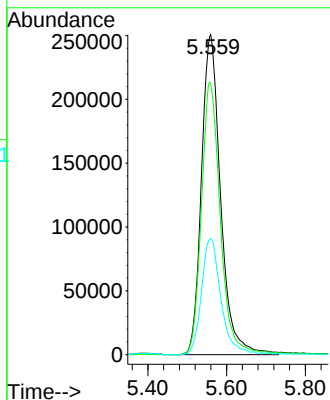
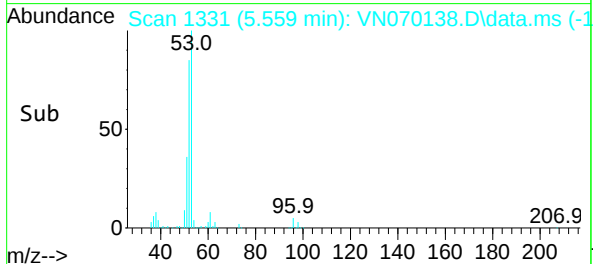
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 53 Resp: 848178
Ion Ratio Lower Upper
53 100
52 83.4 66.2 99.2
51 36.6 29.6 44.4

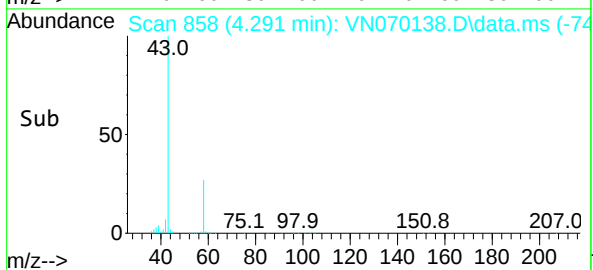
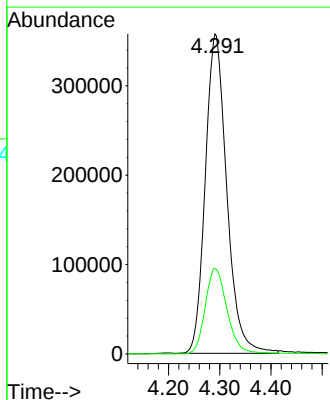
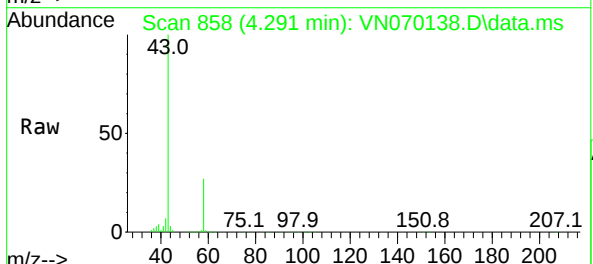
Manual Integrations
APPROVED

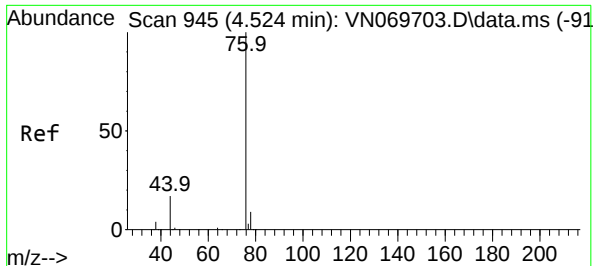
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#16
Acetone
Concen: 111.592 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

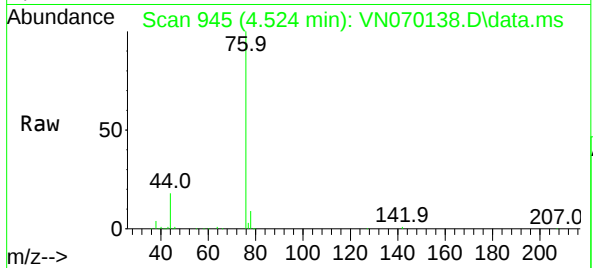
Tgt Ion: 43 Resp: 1040793
Ion Ratio Lower Upper
43 100
58 26.8 23.1 34.7





#17
Carbon Disulfide
Concen: 14.033 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

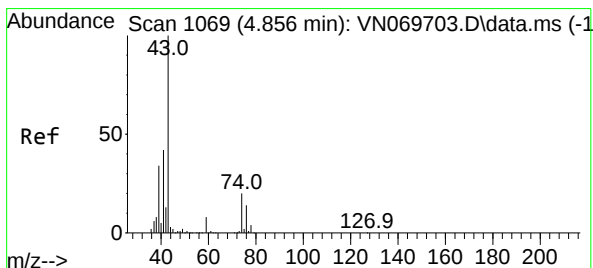
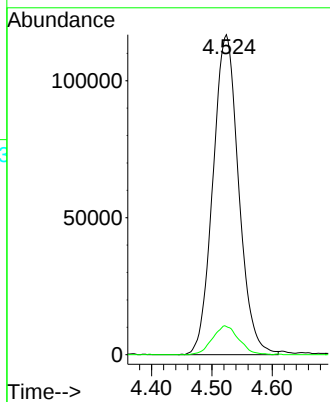
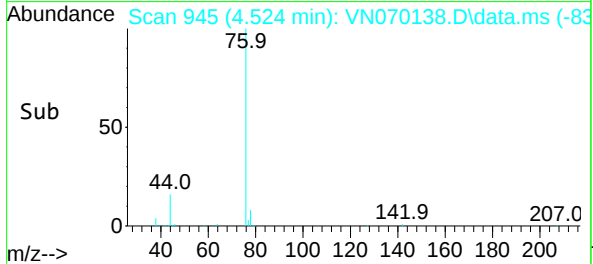
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 76 Resp: 346789
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3

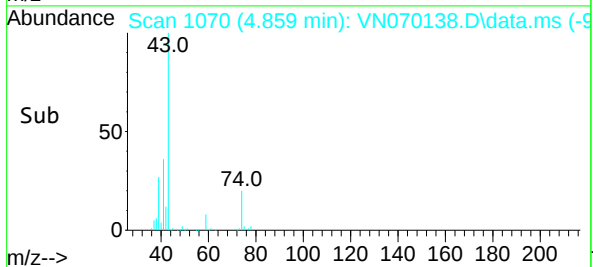
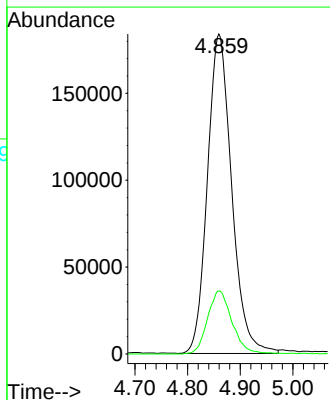
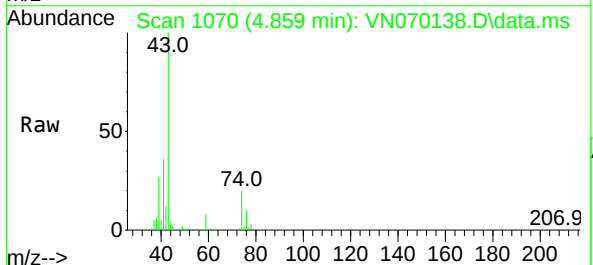
Manual Integrations
APPROVED

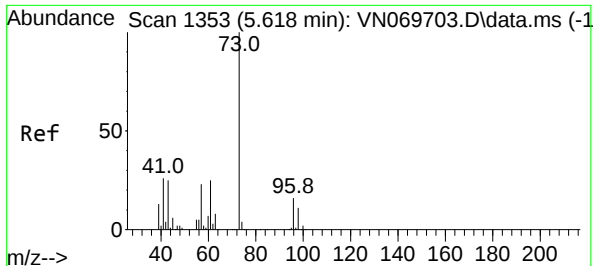
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#18
Methyl Acetate
Concen: 20.928 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

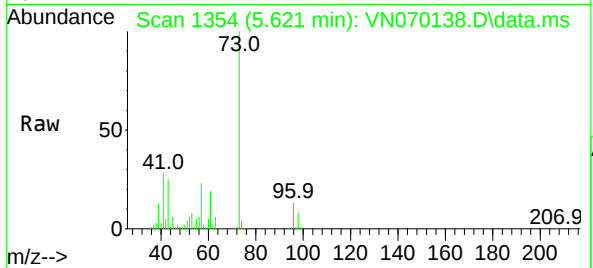
Tgt Ion: 43 Resp: 589172
Ion Ratio Lower Upper
43 100
74 19.9 19.4 29.2





#19
Methyl tert-butyl Ether
Concen: 21.663 ug/l
RT: 5.621 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

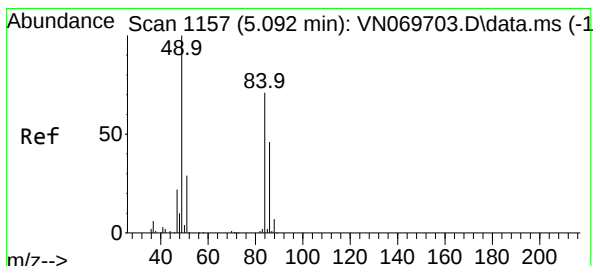
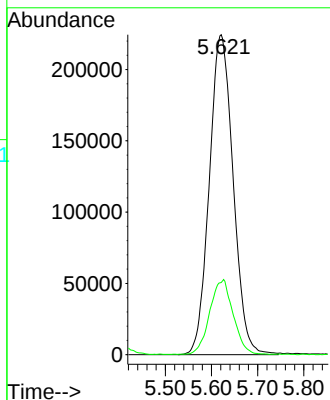
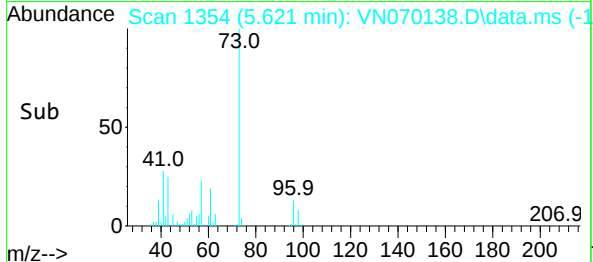
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 73 Resp: 80568
Ion Ratio Lower Upper
73 100
57 22.4 16.8 25.2

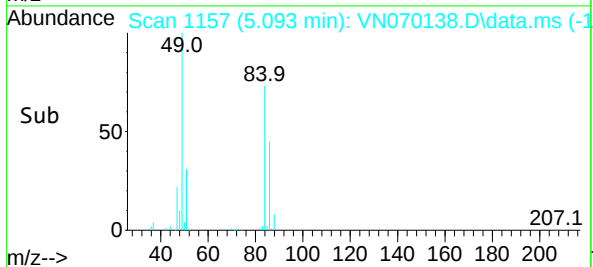
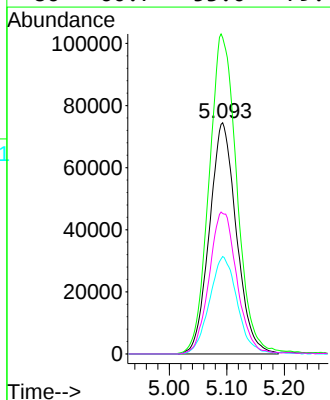
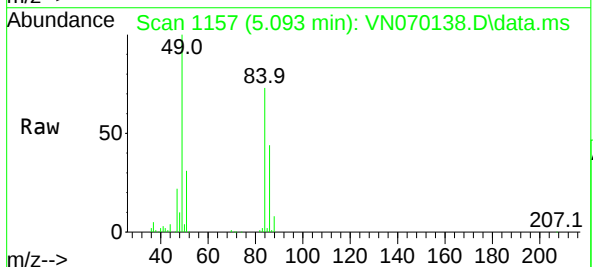
Manual Integrations
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Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#20
Methylene Chloride
Concen: 19.540 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

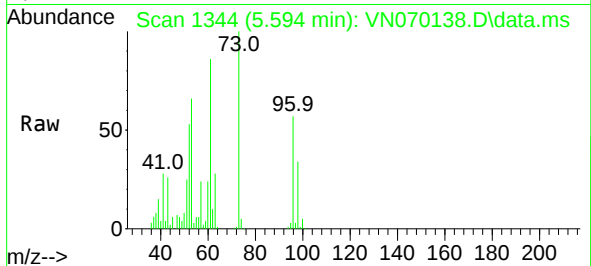
Tgt Ion: 84 Resp: 242271
Ion Ratio Lower Upper
84 100
49 136.6 93.5 140.3
51 42.1 29.4 44.2
86 60.7 53.0 79.4





#21
trans-1,2-Dichloroethene
Concen: 19.144 ug/l
RT: 5.594 min Scan# 1344
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

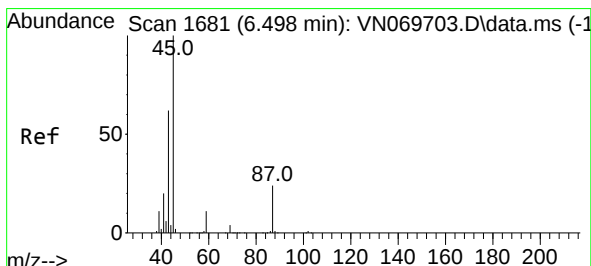
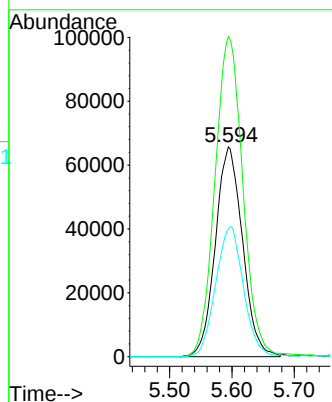
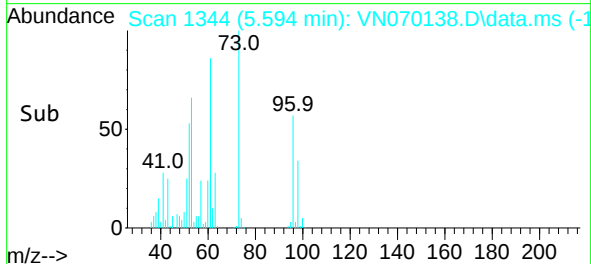
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



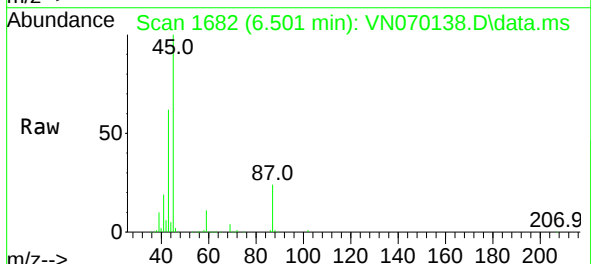
Tgt Ion: 96 Resp: 198892
Ion Ratio Lower Upper
96 100
61 152.6 105.8 158.6
98 60.9 52.0 78.0

Manual Integrations
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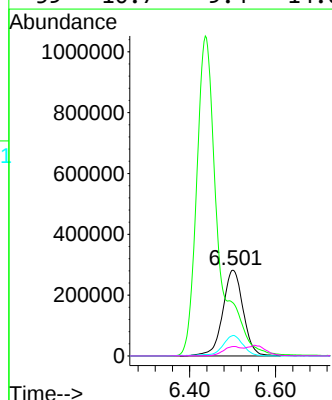
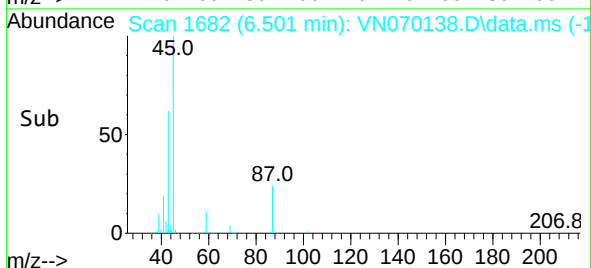
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021

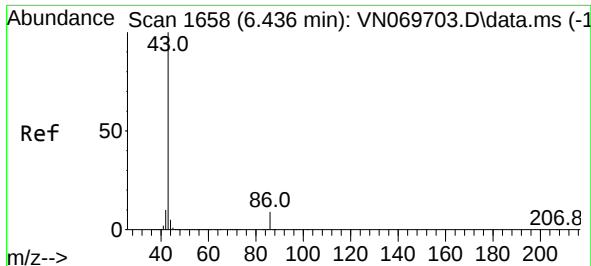


#22
Diisopropyl ether
Concen: 22.164 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.003 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23



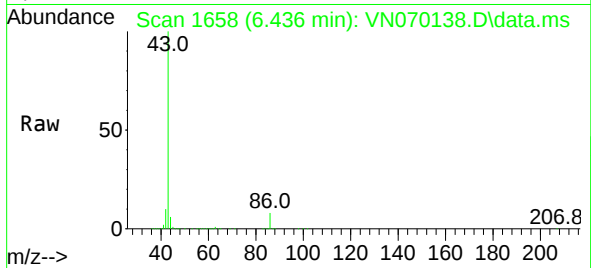
Tgt Ion: 45 Resp: 933753
Ion Ratio Lower Upper
45 100
43 60.0 51.7 77.5
87 23.8 23.2 34.8
59 10.7 9.4 14.0





#23
 Vinyl Acetate
 Concen: 105.277 ug/l
 RT: 6.436 min Scan# 1658
 Delta R.T. 0.000 min
 Lab File: VN070138.D
 Acq: 16 Dec 2021 15:23

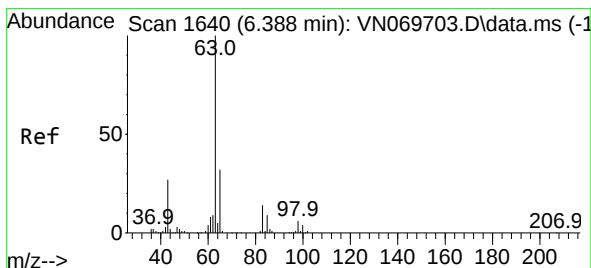
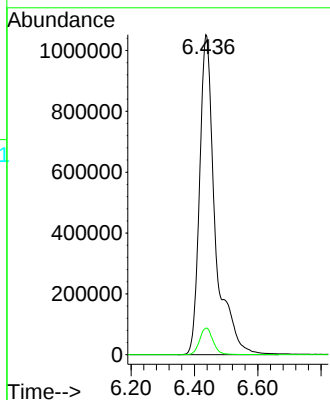
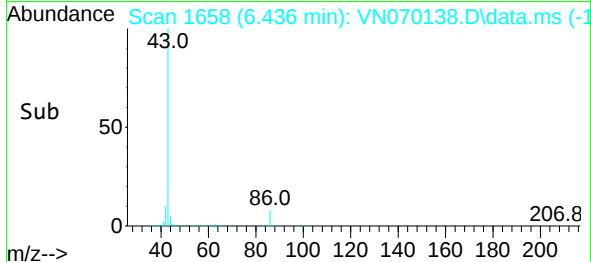
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01



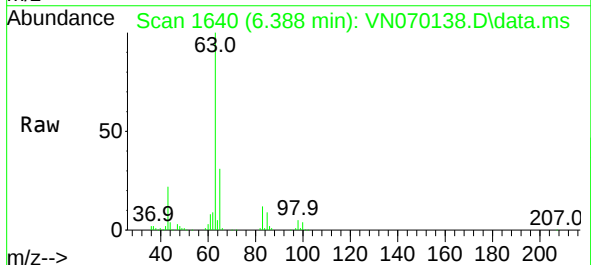
Tgt Ion: 43 Resp: 360830
 Ion Ratio Lower Upper
 43 100
 86 8.3 8.5 12.7

Manual Integrations
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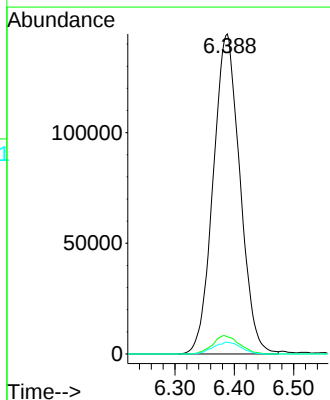
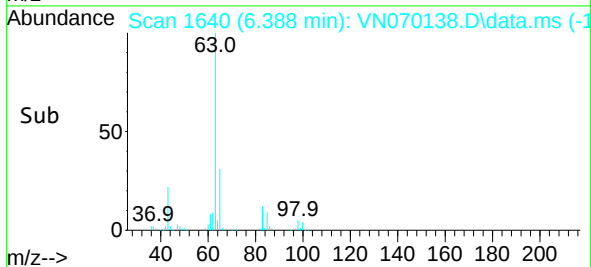
Reviewed By :John Carlone 12/17/2021
 Supervised By :Mahesh Dadoda 12/23/2021

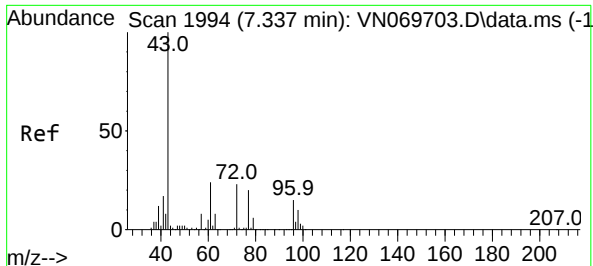


#24
 1,1-Dichloroethane
 Concen: 20.756 ug/l
 RT: 6.388 min Scan# 1640
 Delta R.T. 0.000 min
 Lab File: VN070138.D
 Acq: 16 Dec 2021 15:23



Tgt Ion: 63 Resp: 452959
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.3 9.9
 100 3.7 2.1 6.5





#25

2-Butanone

Concen: 109.036 ug/l

RT: 7.340 min Scan# 1995

Delta R.T. 0.003 min

Lab File: VN070138.D

Acq: 16 Dec 2021 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tgt Ion: 43 Resp: 1381744

Ion Ratio Lower Upper

43 100

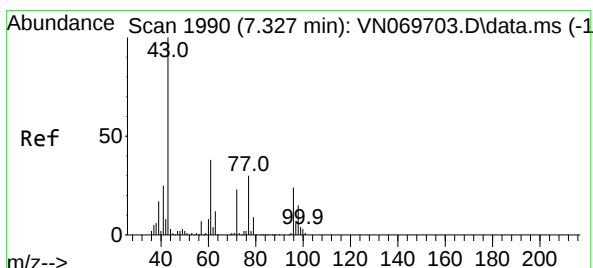
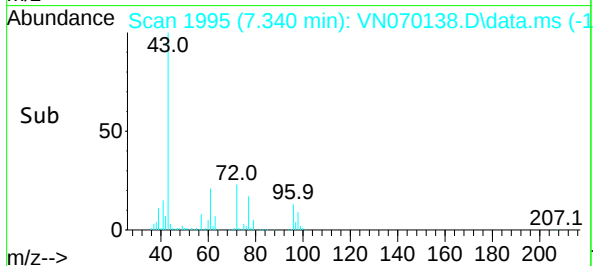
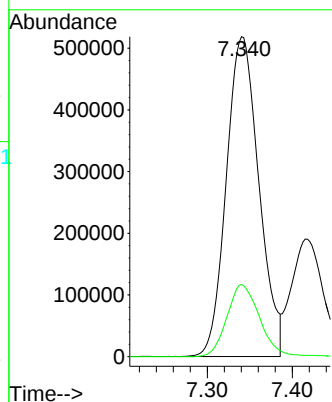
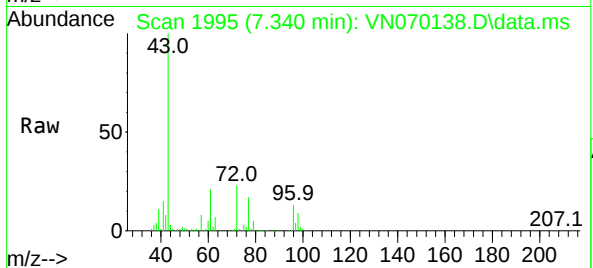
72 22.6 21.7 32.5

Manual Integrations

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Reviewed By :John Carlone 12/17/2021

Supervised By :Mahesh Dadoda 12/23/2021



#26

2,2-Dichloropropane

Concen: 19.654 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. 0.000 min

Lab File: VN070138.D

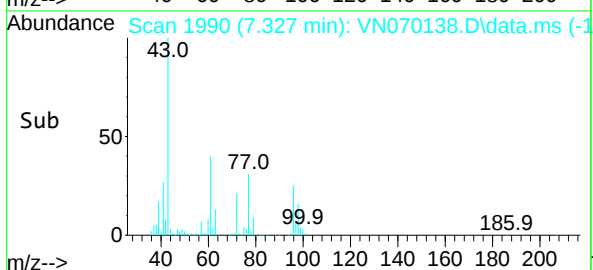
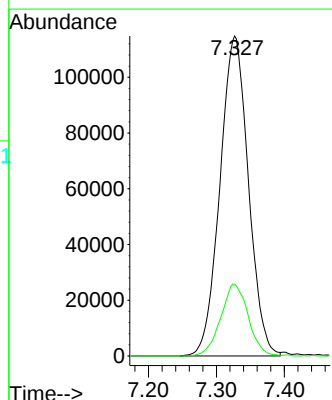
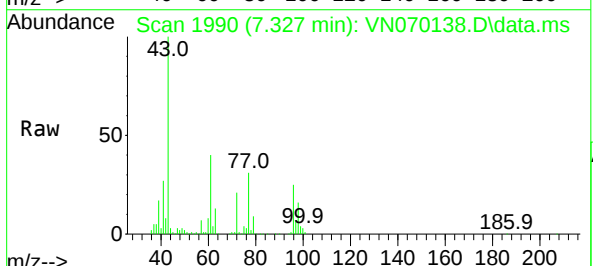
Acq: 16 Dec 2021 15:23

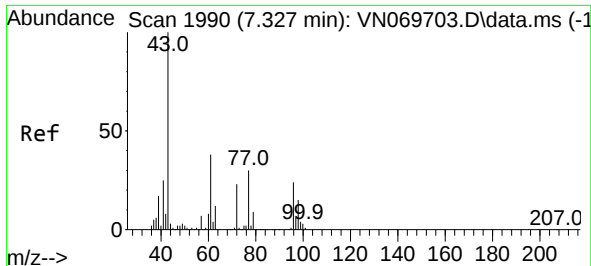
Tgt Ion: 77 Resp: 333480

Ion Ratio Lower Upper

77 100

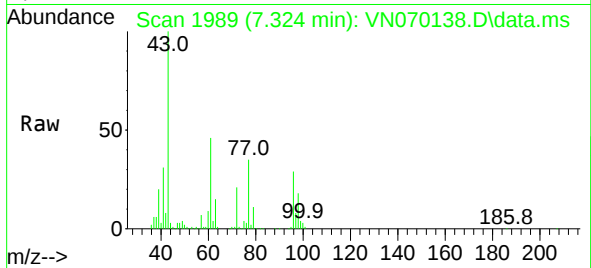
97 21.7 11.6 34.8





#27
cis-1,2-Dichloroethene
Concen: 20.076 ug/l
RT: 7.324 min Scan# 1990
Delta R.T. -0.002 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

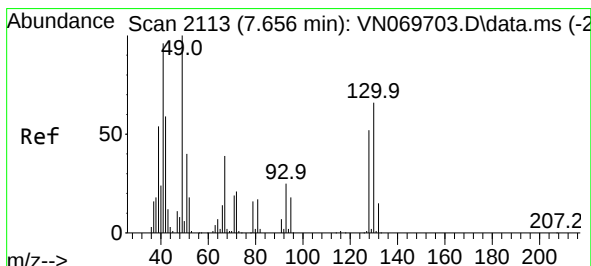
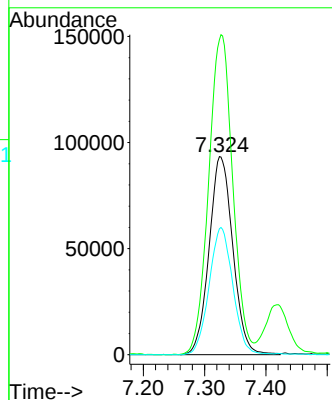
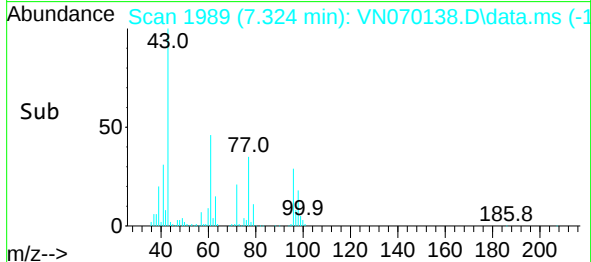
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 96 Resp: 25200
Ion Ratio Lower Upper
96 100
61 163.3 0.0 275.0
98 64.0 0.0 129.6

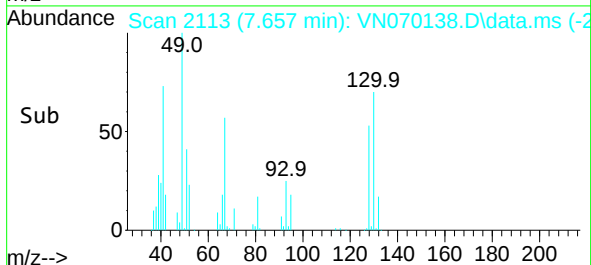
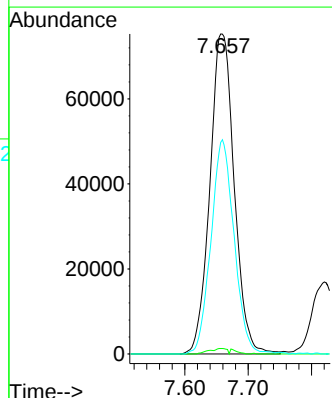
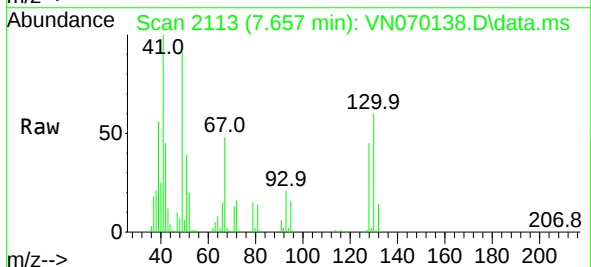
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#28
Bromochloromethane
Concen: 17.716 ug/l
RT: 7.657 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Tgt Ion: 49 Resp: 201046
Ion Ratio Lower Upper
49 100
129 0.8 0.0 4.0
130 63.6 67.8 101.8#





#29

Tetrahydrofuran

Concen: 109.620 ug/l

RT: 7.689 min Scan# 2124

Delta R.T. 0.003 min

Lab File: VN070138.D

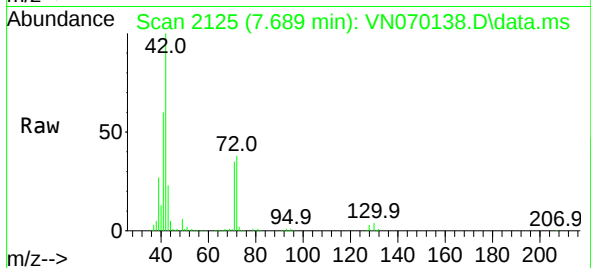
Acq: 16 Dec 2021 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01



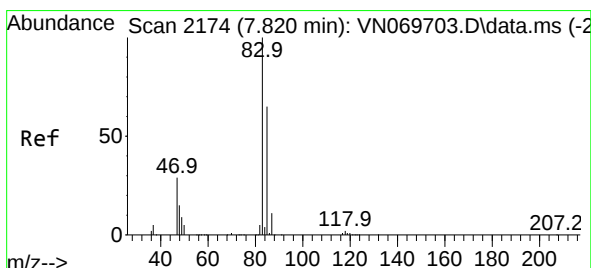
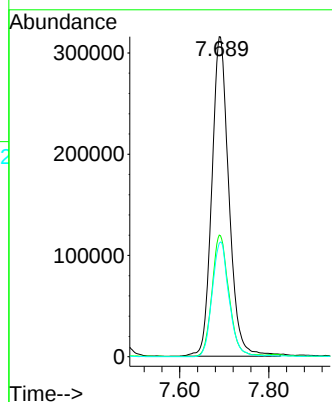
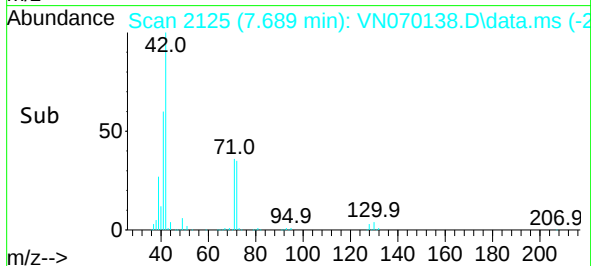
Tgt Ion:	42	Resp:	84352
Ion Ratio	100	Lower	Upper
42	100		
72	37.3	36.3	54.5
71	35.4	34.7	52.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/17/2021

Supervised By :Mahesh Dadoda 12/23/2021



#30

Chloroform

Concen: 20.700 ug/l

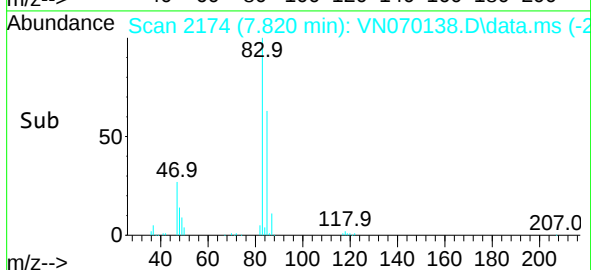
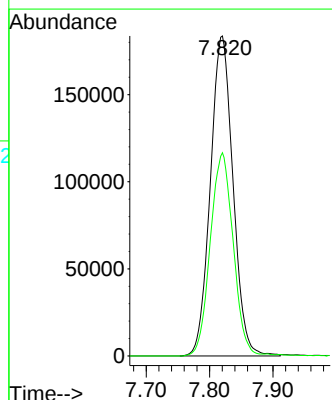
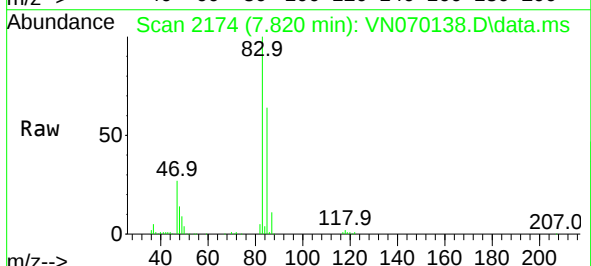
RT: 7.820 min Scan# 2174

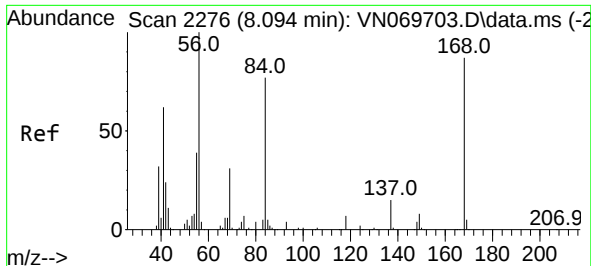
Delta R.T. 0.000 min

Lab File: VN070138.D

Acq: 16 Dec 2021 15:23

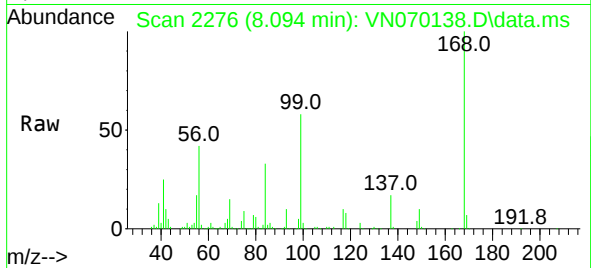
Tgt Ion:	83	Resp:	456221
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	51.9	77.9





#31
Cyclohexane
Concen: 19.322 ug/l
RT: 8.094 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

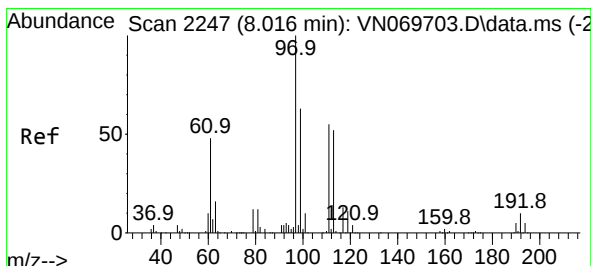
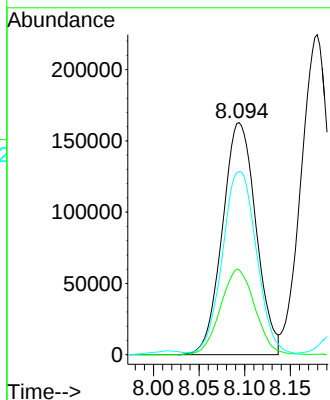
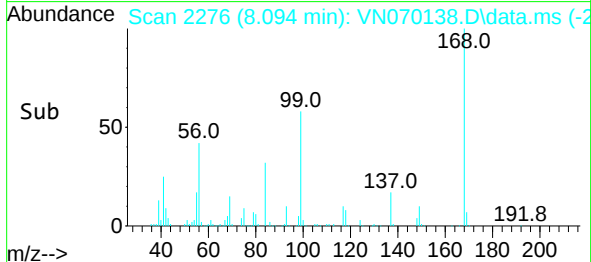
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



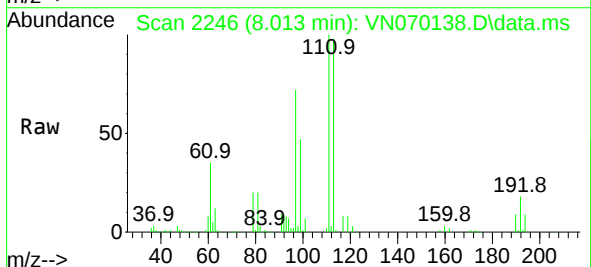
Tgt Ion: 56 Resp: 416900
Ion Ratio Lower Upper
56 100
69 36.6 27.1 40.7
84 77.4 73.4 110.0

Manual Integrations
APPROVED

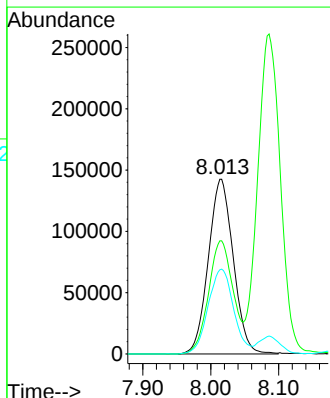
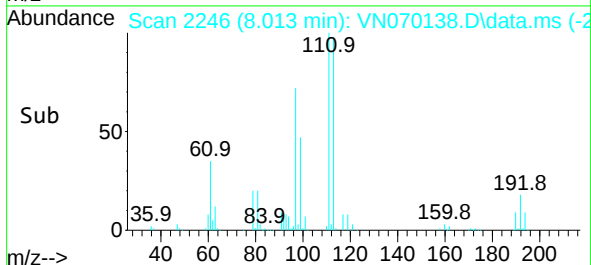
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021

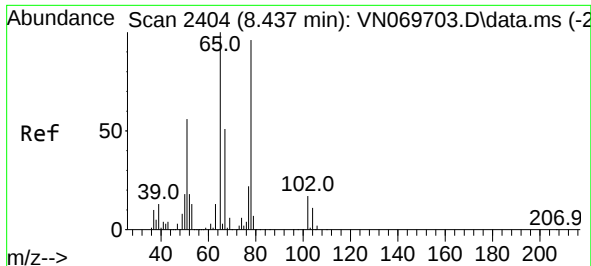


#32
1,1,1-Trichloroethane
Concen: 19.401 ug/l
RT: 8.013 min Scan# 2246
Delta R.T. -0.002 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23



Tgt Ion: 97 Resp: 364228
Ion Ratio Lower Upper
97 100
99 63.9 50.1 75.1
61 49.6 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 54.361 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070138.D

Acq: 16 Dec 2021 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tgt Ion: 65 Resp: 842852

Ion Ratio Lower Upper

65 100

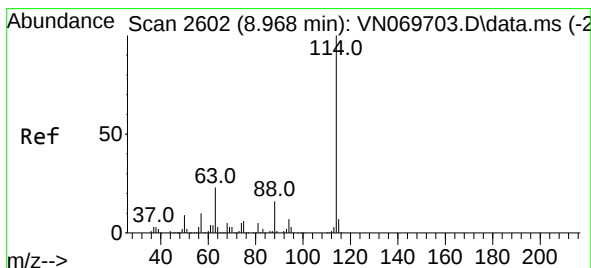
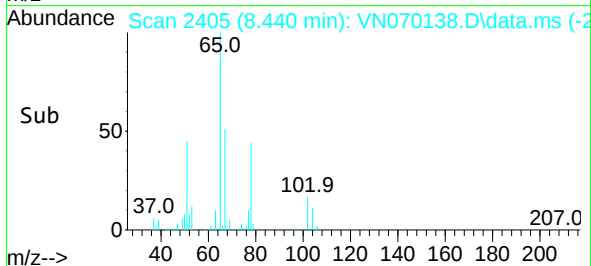
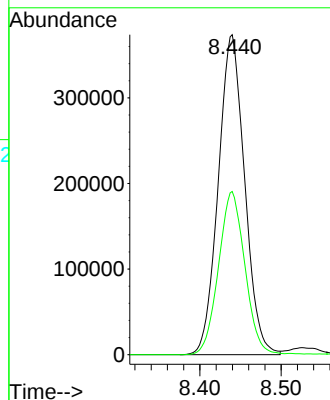
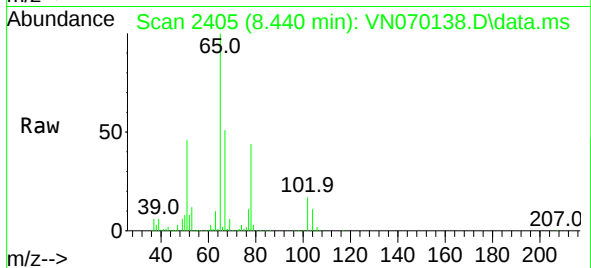
67 50.9 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/17/2021

Supervised By :Mahesh Dadoda 12/23/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070138.D

Acq: 16 Dec 2021 15:23

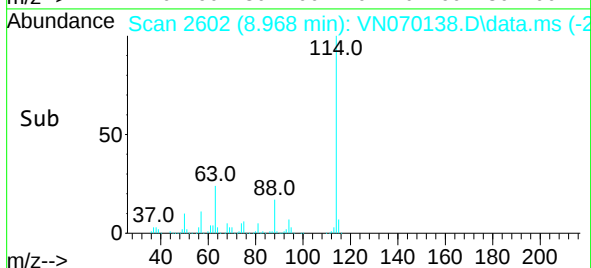
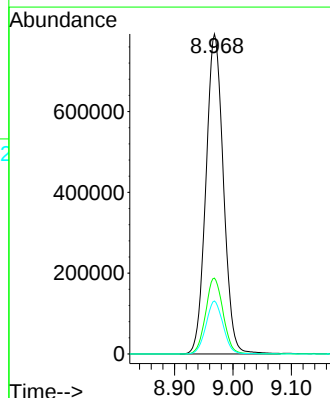
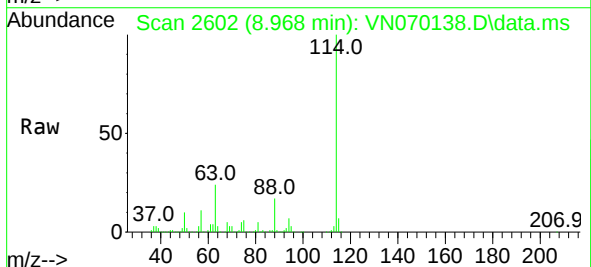
Tgt Ion:114 Resp: 1645338

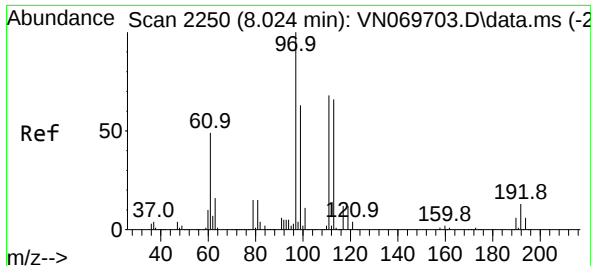
Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

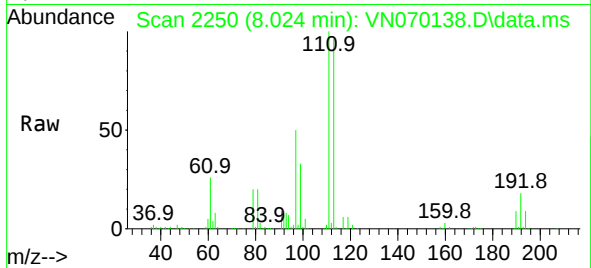
88 16.5 0.0 27.4





#35
Dibromofluoromethane
Concen: 54.967 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

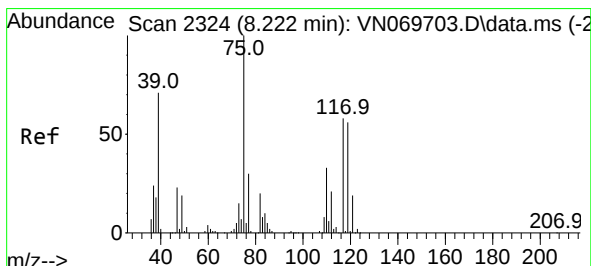
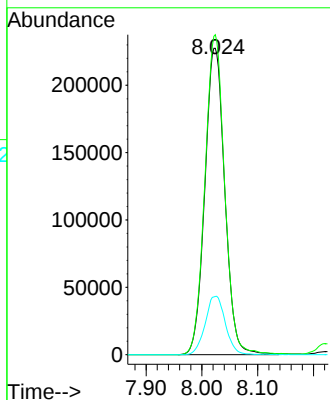
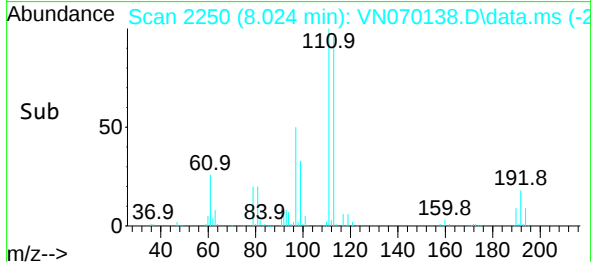
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



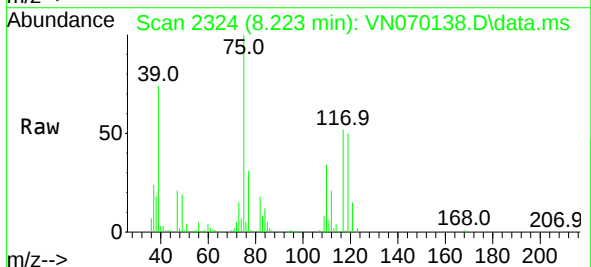
Tgt Ion: 113 Resp: 566490
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 19.2 16.9 25.3

Manual Integrations
APPROVED

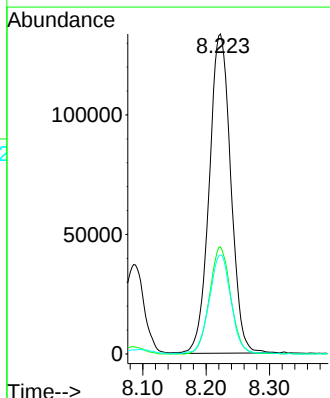
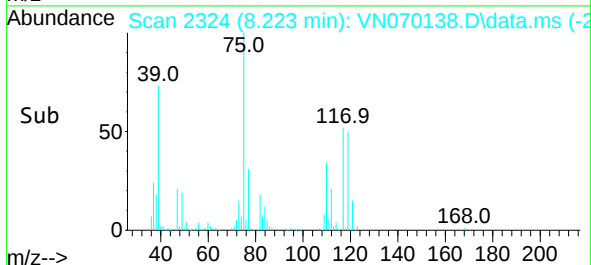
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021

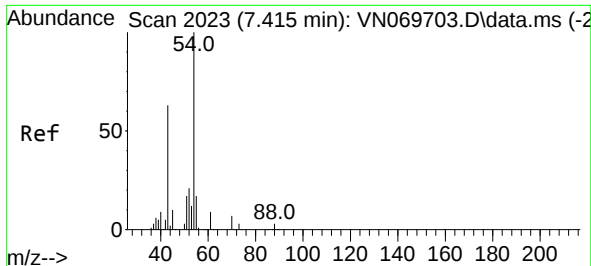


#36
1,1-Dichloropropene
Concen: 20.148 ug/l
RT: 8.223 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23



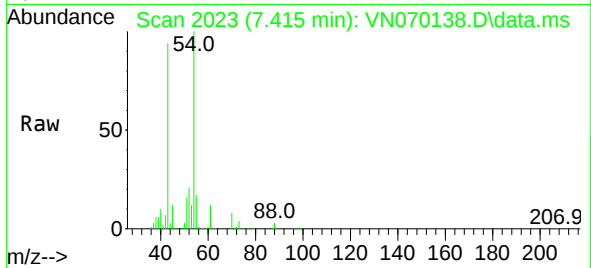
Tgt Ion: 75 Resp: 315587
Ion Ratio Lower Upper
75 100
110 33.0 18.4 55.2
77 30.8 24.4 36.6





#37
Ethyl Acetate
Concen: 21.772 ug/l
RT: 7.415 min Scan# 2023
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

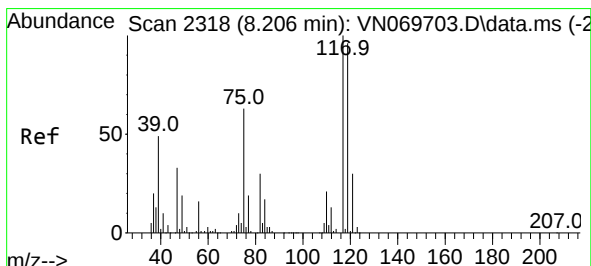
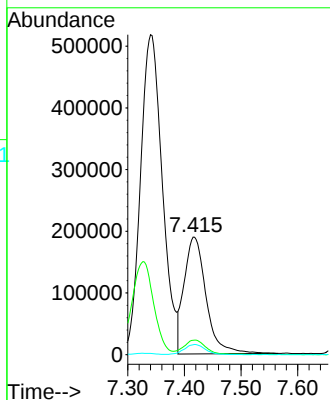
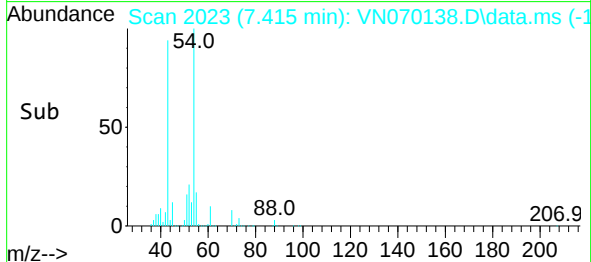
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 43 Resp: 507560
Ion Ratio Lower Upper
43 100
61 11.9 11.5 17.3
70 8.1 7.9 11.9

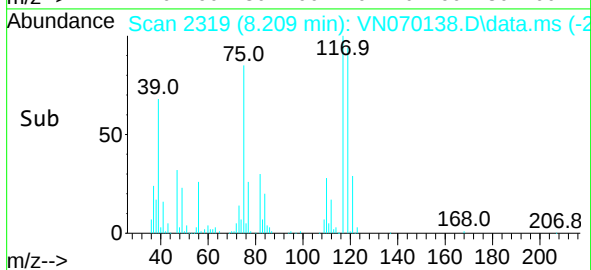
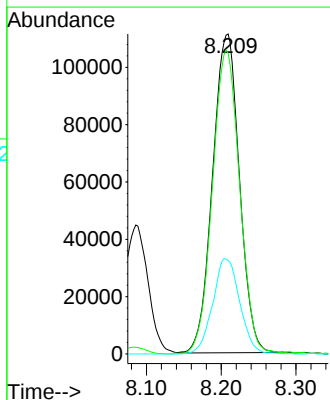
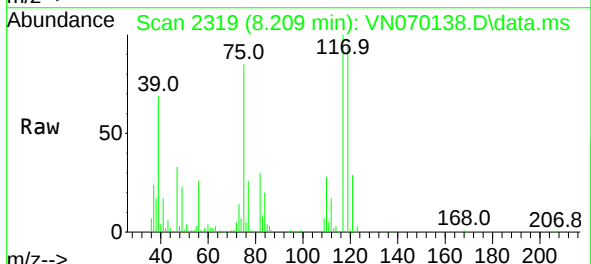
Manual Integrations
APPROVED

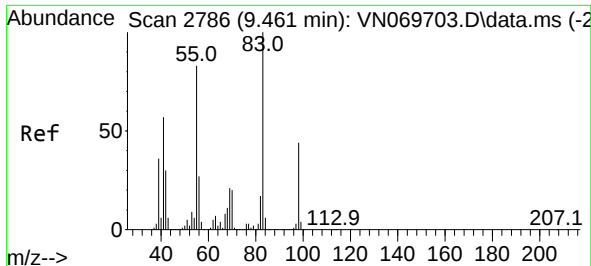
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#38
Carbon Tetrachloride
Concen: 18.025 ug/l
RT: 8.209 min Scan# 2319
Delta R.T. 0.003 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Tgt Ion:117 Resp: 276860
Ion Ratio Lower Upper
117 100
119 94.3 76.1 114.1
121 29.4 24.2 36.2





#39

Methylcyclohexane

Concen: 19.768 ug/l

RT: 9.459 min Scan# 21

Delta R.T. -0.002 min

Lab File: VN070138.D

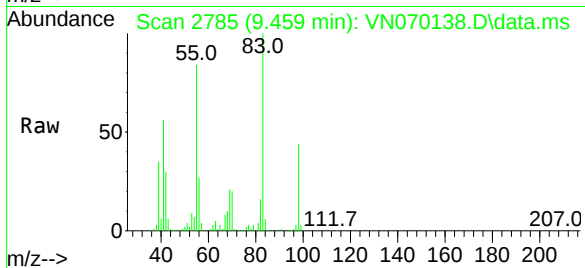
Acq: 16 Dec 2021 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01



Tgt Ion: 83 Resp: 368300

Ion Ratio Lower Upper

83 100

55 84.0 58.1 87.1

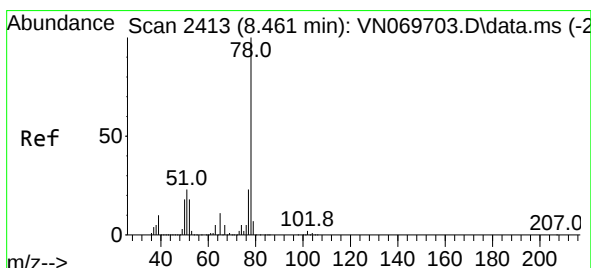
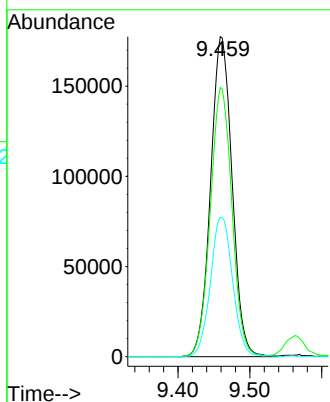
98 43.5 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/17/2021

Supervised By :Mahesh Dadoda 12/23/2021



#40

Benzene

Concen: 20.553 ug/l

RT: 8.461 min Scan# 2413

Delta R.T. 0.000 min

Lab File: VN070138.D

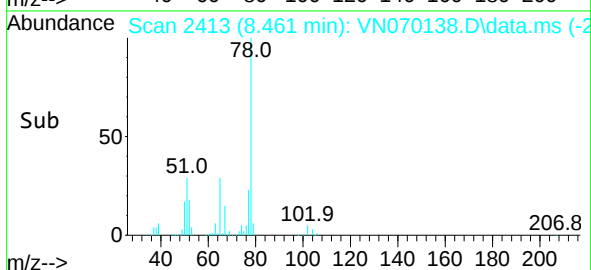
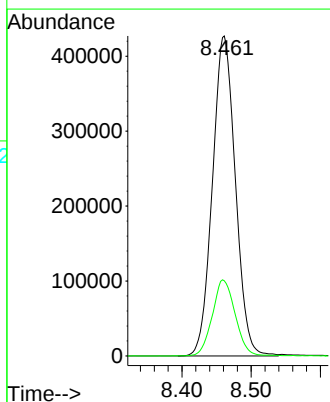
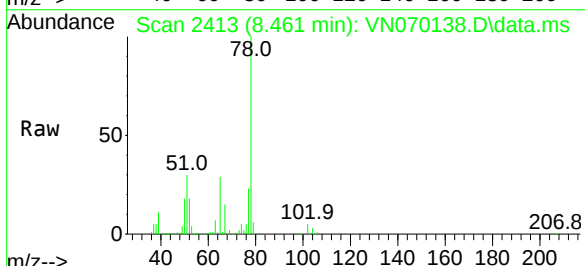
Acq: 16 Dec 2021 15:23

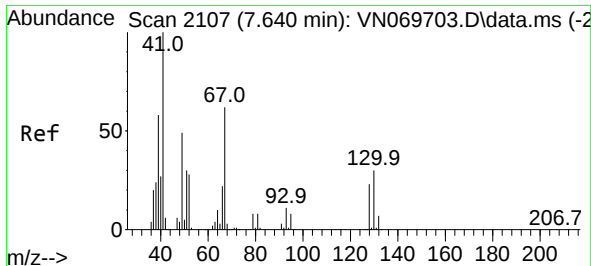
Tgt Ion: 78 Resp: 983986

Ion Ratio Lower Upper

78 100

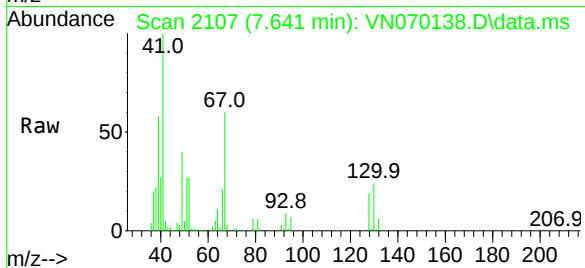
77 23.4 18.6 27.8





#41
Methacrylonitrile
Concen: 23.078 ug/l
RT: 7.641 min Scan# 2107
Delta R.T. 0.001 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

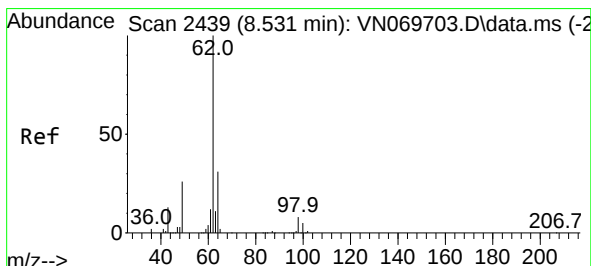
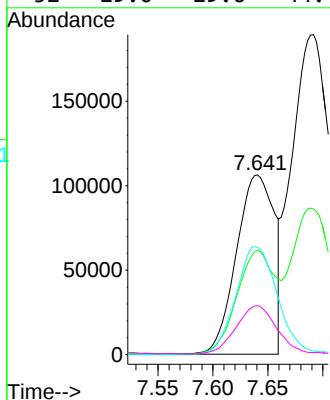
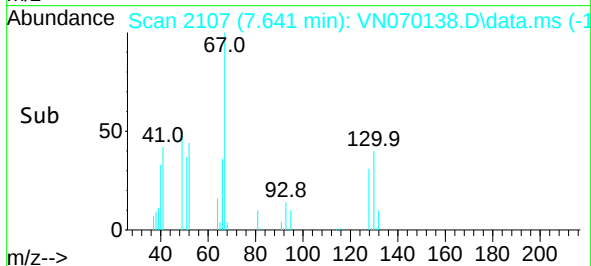
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 41 Resp: 252554
Ion Ratio Lower Upper
41 100
39 59.4 48.1 72.1
67 67.2 68.3 102.5
52 29.0 29.6 44.4#

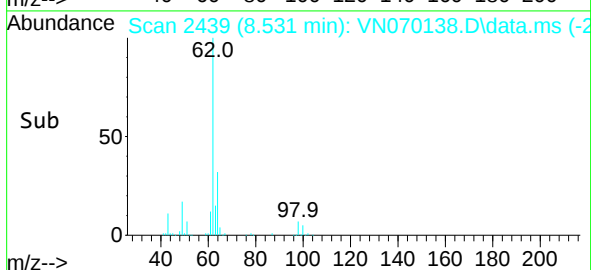
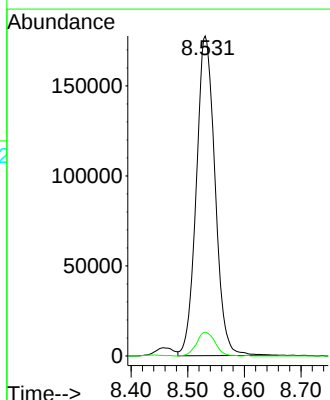
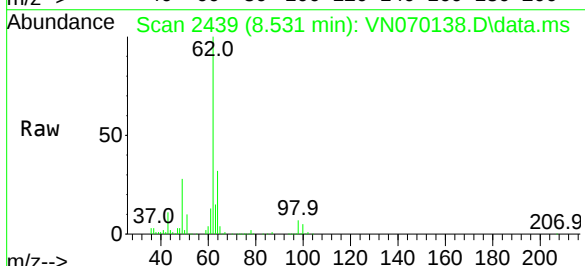
Manual Integrations
APPROVED

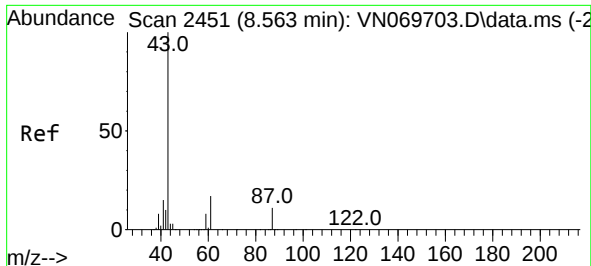
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#42
1,2-Dichloroethane
Concen: 21.045 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

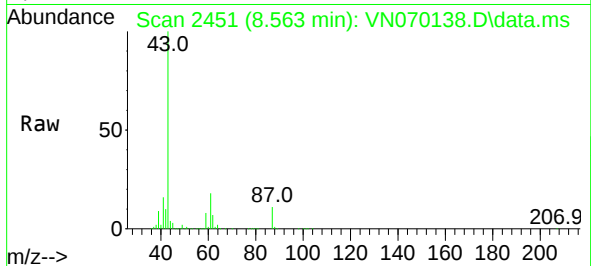
Tgt Ion: 62 Resp: 406730
Ion Ratio Lower Upper
62 100
98 7.4 0.0 17.6





#43
Isopropyl Acetate
Concen: 21.628 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

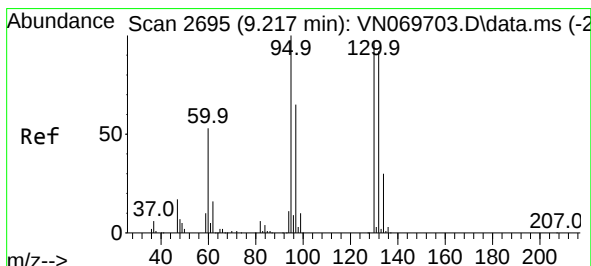
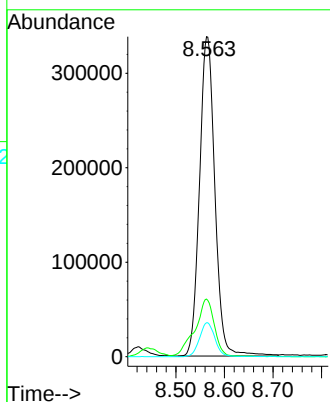
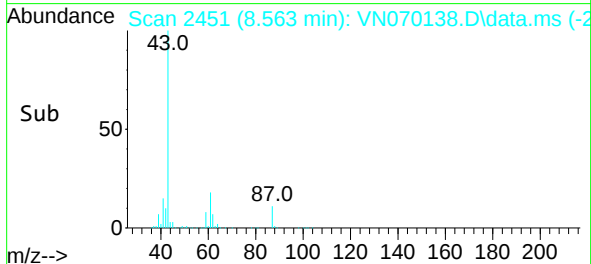
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 43 Resp: 746149
Ion Ratio Lower Upper
43 100
61 22.2 20.4 30.6
87 10.6 11.2 16.8

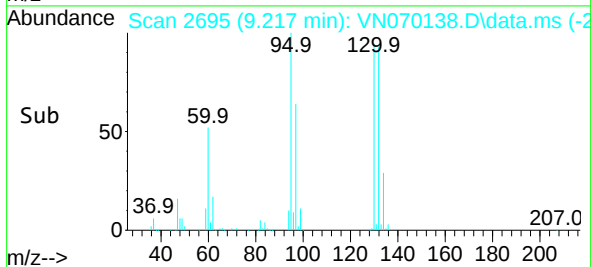
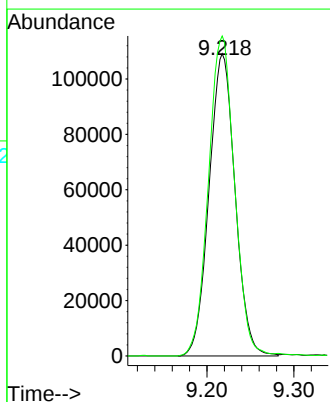
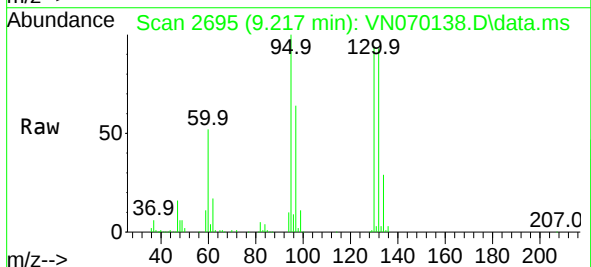
Manual Integrations
APPROVED

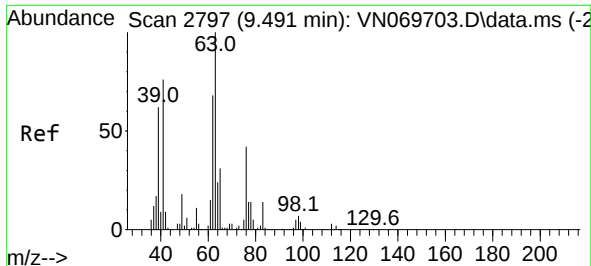
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#44
Trichloroethene
Concen: 19.838 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

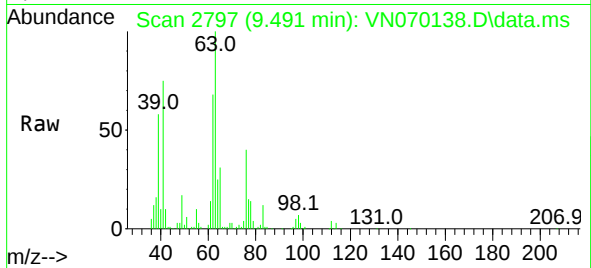
Tgt Ion:130 Resp: 226694
Ion Ratio Lower Upper
130 100
95 105.9 0.0 191.2





#45
1,2-Dichloropropane
Concen: 21.200 ug/l
RT: 9.491 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

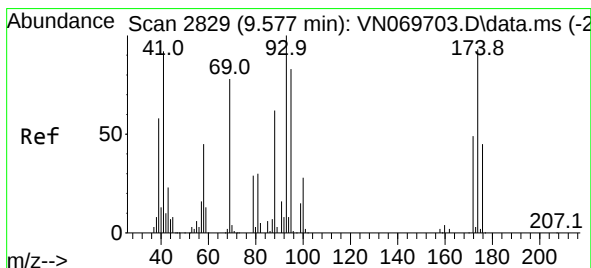
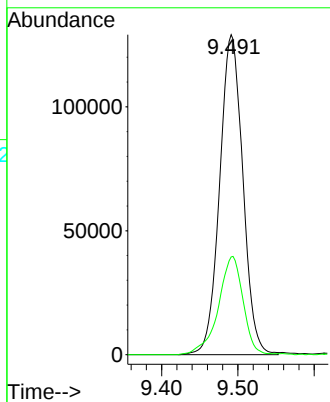
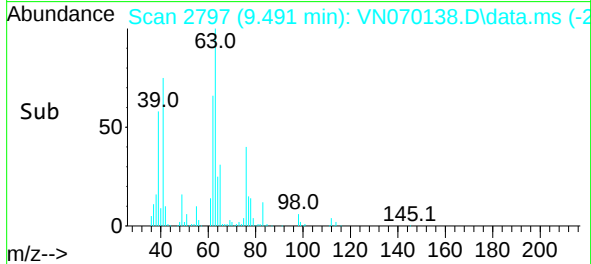
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



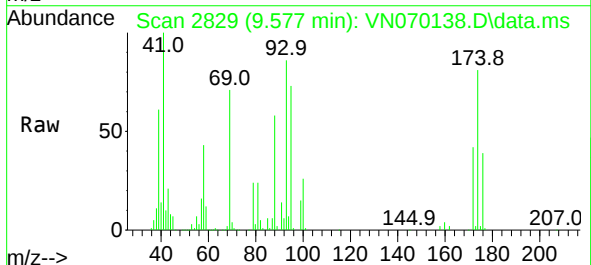
Tgt Ion: 63 Resp: 27255
Ion Ratio Lower Upper
63 100
65 30.6 24.7 37.1

Manual Integrations
APPROVED

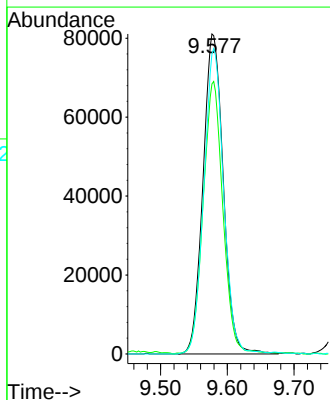
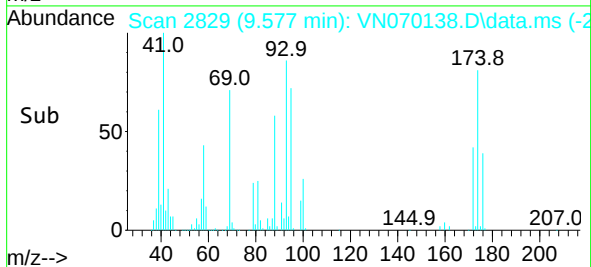
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021

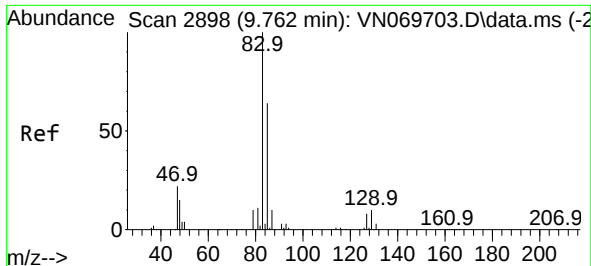


#46
Dibromomethane
Concen: 20.291 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23



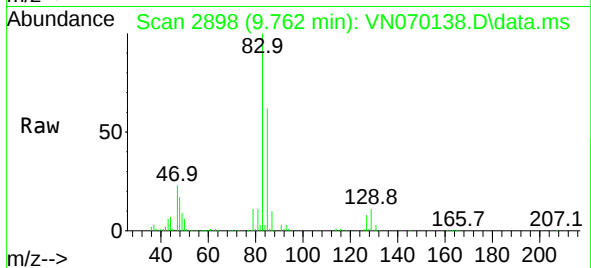
Tgt Ion: 93 Resp: 171083
Ion Ratio Lower Upper
93 100
95 83.1 65.9 98.9
174 93.0 84.6 127.0





#47
Bromodichloromethane
Concen: 19.703 ug/l
RT: 9.762 min Scan# 2898
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

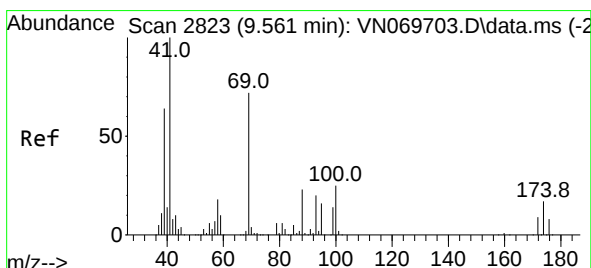
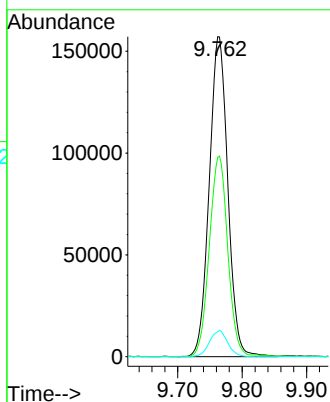
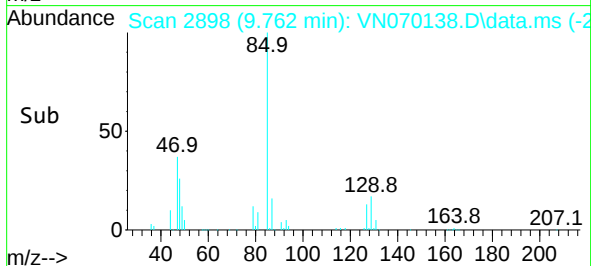
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 83 Resp: 314538
Ion Ratio Lower Upper
83 100
85 62.3 50.9 76.3
127 7.8 7.1 10.7

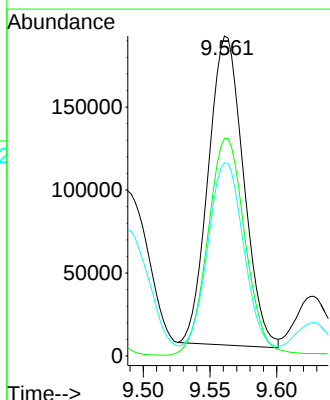
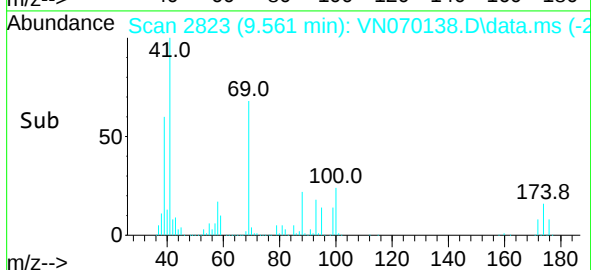
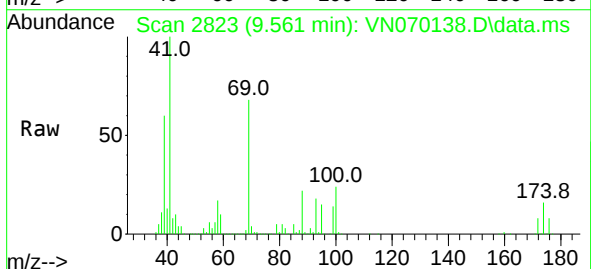
Manual Integrations
APPROVED

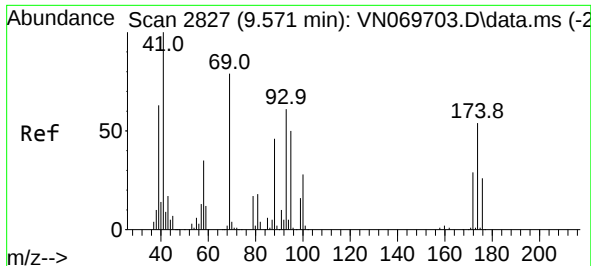
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#48
Methyl methacrylate
Concen: 21.212 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. -0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Tgt Ion: 41 Resp: 341507
Ion Ratio Lower Upper
41 100
69 74.7 72.4 108.6
39 60.3 58.4 87.6





#49

1,4-Dioxane

Concen: 440.039 ug/l

RT: 9.572 min Scan# 2827

Delta R.T. 0.000 min

Lab File: VN070138.D

Acq: 16 Dec 2021 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tgt Ion: 88 Resp: 127118

Ion Ratio Lower Upper

88 100

43 34.8 23.4 35.2

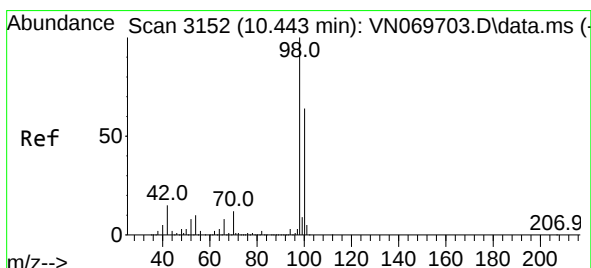
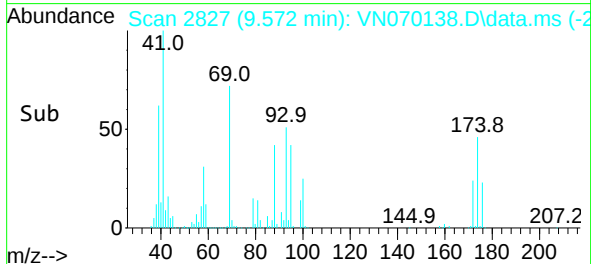
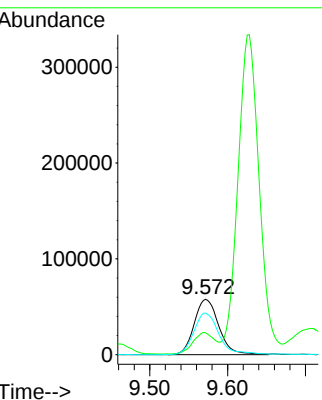
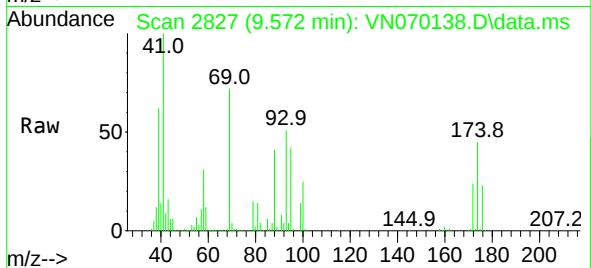
58 77.8 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/17/2021

Supervised By :Mahesh Dadoda 12/23/2021



#50

Toluene-d8

Concen: 54.765 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN070138.D

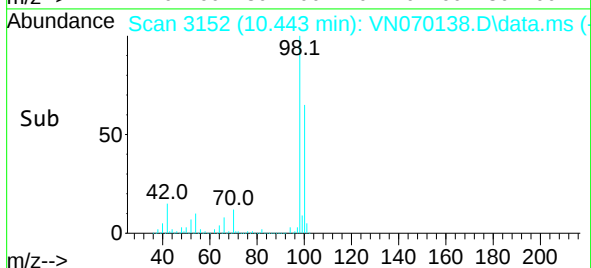
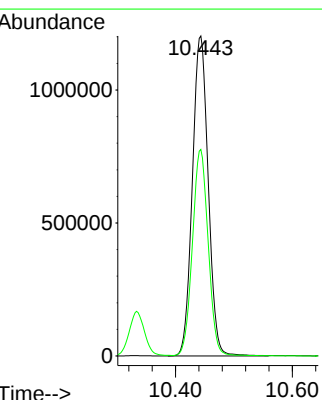
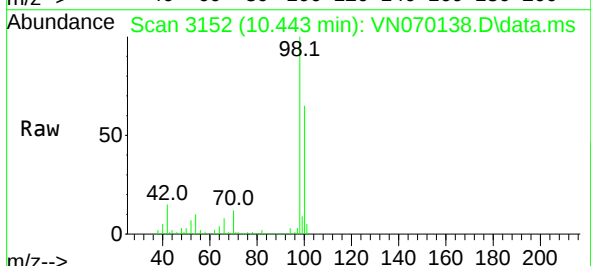
Acq: 16 Dec 2021 15:23

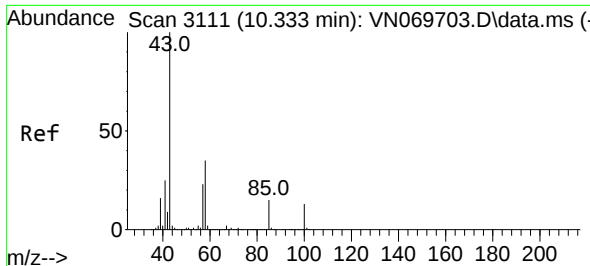
Tgt Ion: 98 Resp: 2266296

Ion Ratio Lower Upper

98 100

100 63.6 50.4 75.6





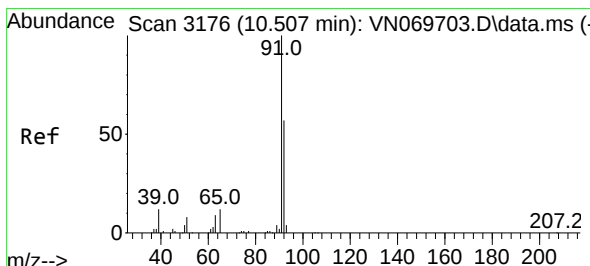
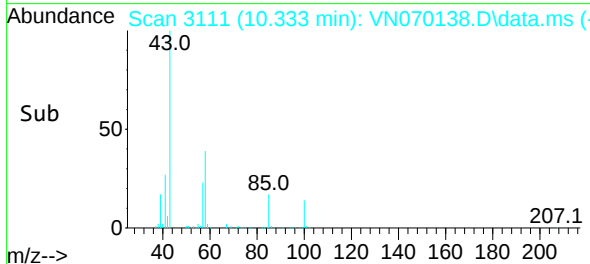
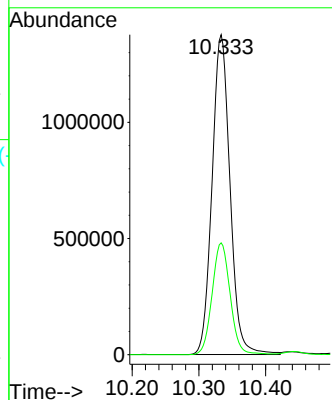
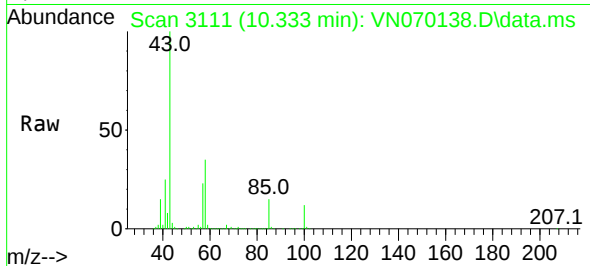
#51
4-Methyl-2-Pentanone
Concen: 115.017 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 43 Resp: 2574108
Ion Ratio Lower Upper
43 100
58 35.2 30.4 45.6

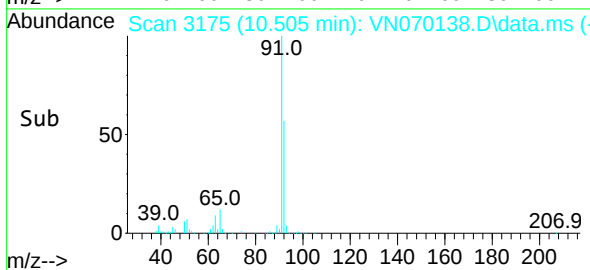
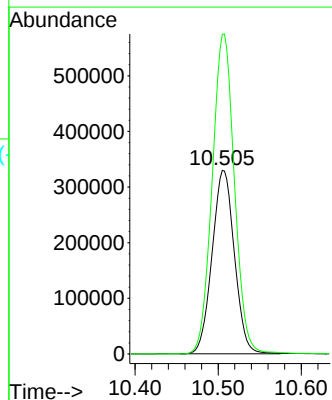
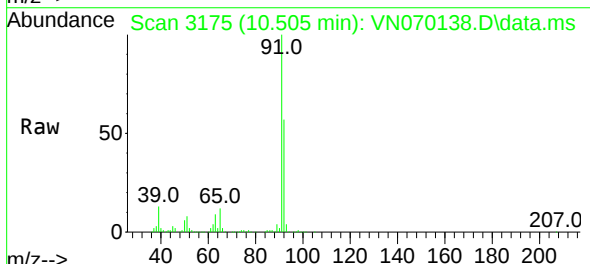
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#52
Toluene
Concen: 21.047 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.002 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

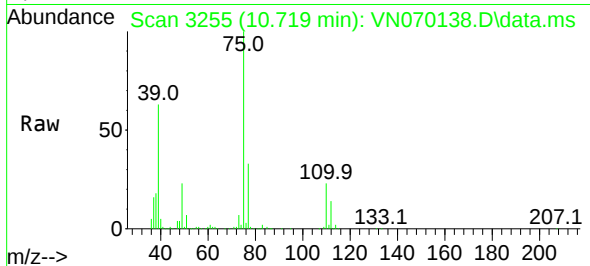
Tgt Ion: 92 Resp: 615173
Ion Ratio Lower Upper
92 100
91 174.0 142.0 213.0





#53
 t-1,3-Dichloropropene
 Concen: 19.099 ug/l
 RT: 10.719 min Scan# 3255
 Delta R.T. 0.000 min
 Lab File: VN070138.D
 Acq: 16 Dec 2021 15:23

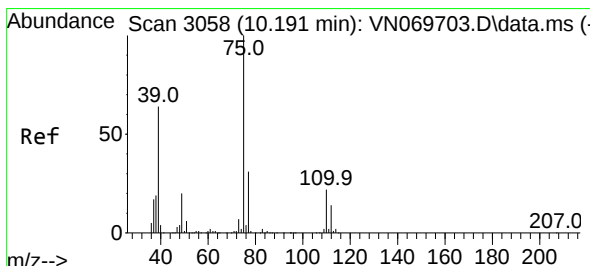
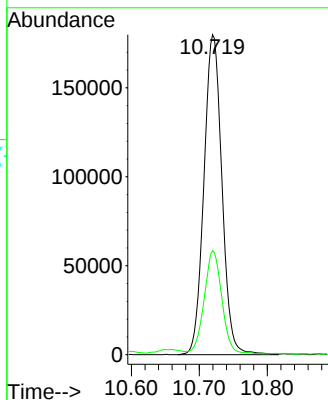
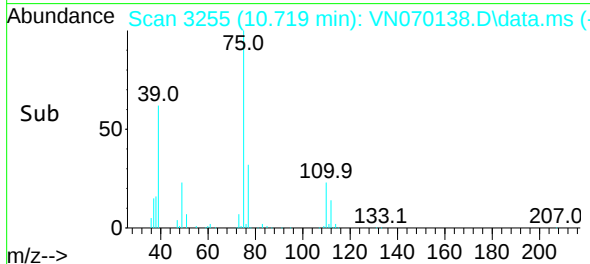
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01



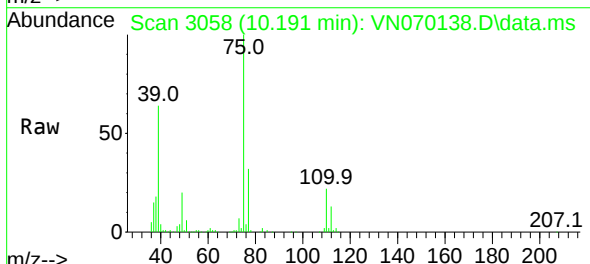
Tgt Ion: 75 Resp: 331648
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4

Manual Integrations
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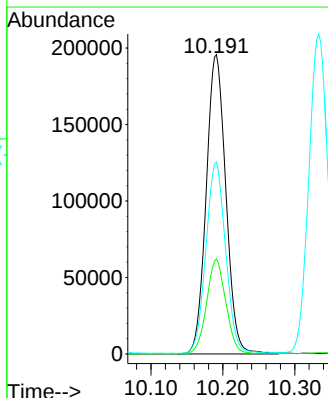
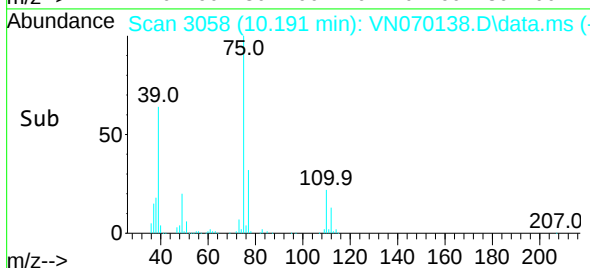
Reviewed By :John Carlone 12/17/2021
 Supervised By :Mahesh Dadoda 12/23/2021

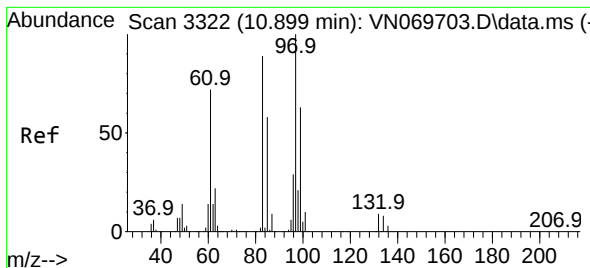


#54
 cis-1,3-Dichloropropene
 Concen: 19.738 ug/l
 RT: 10.191 min Scan# 3058
 Delta R.T. 0.000 min
 Lab File: VN070138.D
 Acq: 16 Dec 2021 15:23



Tgt Ion: 75 Resp: 372409
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.4 39.6
 39 63.8 42.5 63.7#





#55

1,1,2-Trichloroethane

Concen: 21.316 ug/l

RT: 10.899 min Scan# 3322

Delta R.T. 0.000 min

Lab File: VN070138.D

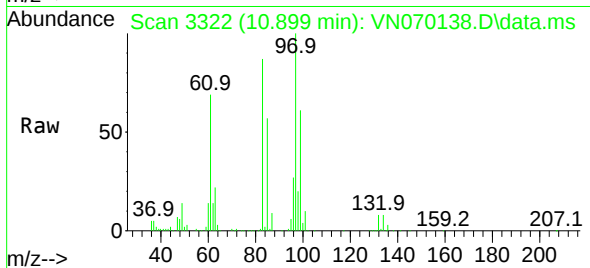
Acq: 16 Dec 2021 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01



Tgt Ion: 97 Resp: 251384

Ion Ratio Lower Upper

97 100

83 86.6 67.8 101.6

85 56.6 45.4 68.2

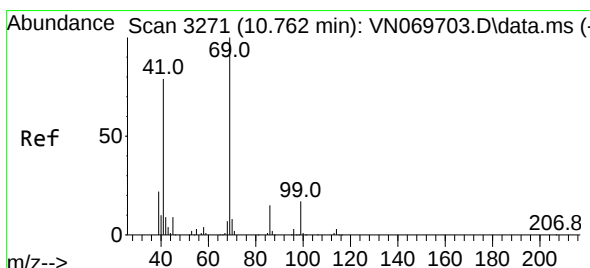
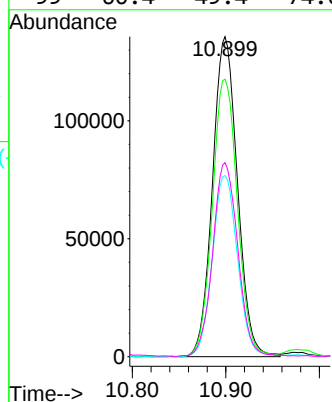
99 60.4 49.4 74.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/17/2021

Supervised By :Mahesh Dadoda 12/23/2021



#56

Ethyl methacrylate

Concen: 20.337 ug/l

RT: 10.762 min Scan# 3271

Delta R.T. 0.000 min

Lab File: VN070138.D

Acq: 16 Dec 2021 15:23

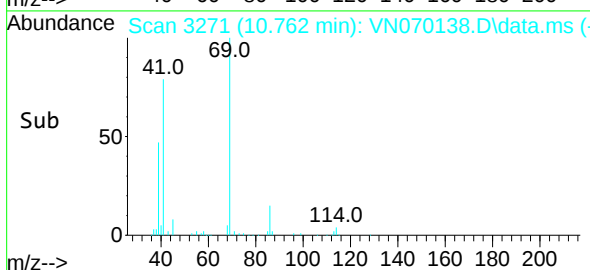
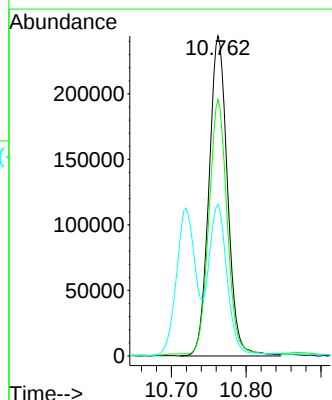
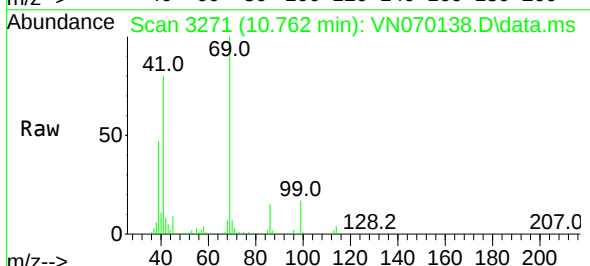
Tgt Ion: 69 Resp: 421008

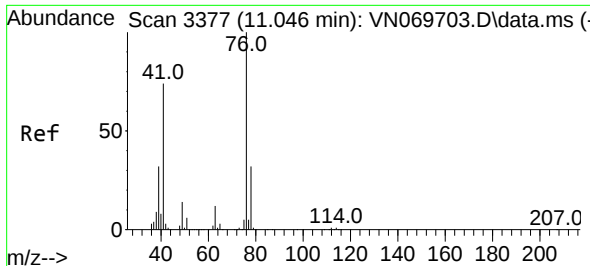
Ion Ratio Lower Upper

69 100

41 77.2 51.4 77.0#

39 46.3 34.6 52.0





#57

1,3-Dichloropropane

Concen: 21.460 ug/l

RT: 11.047 min Scan# 3377

Delta R.T. 0.000 min

Lab File: VN070138.D

Acq: 16 Dec 2021 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01

Tgt Ion: 76 Resp: 445629

Ion Ratio Lower Upper

76 100

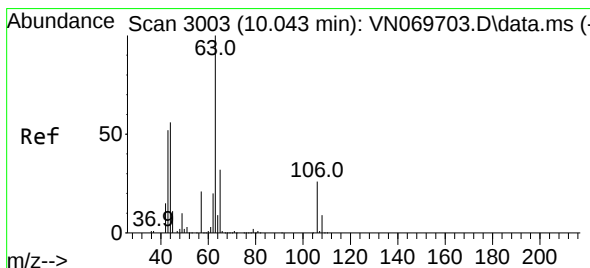
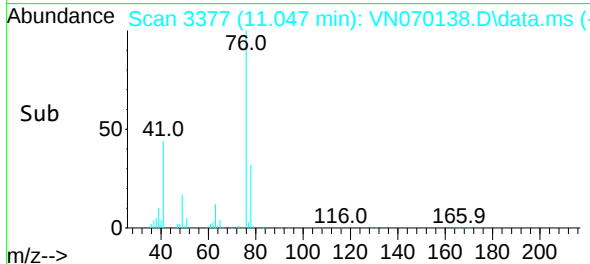
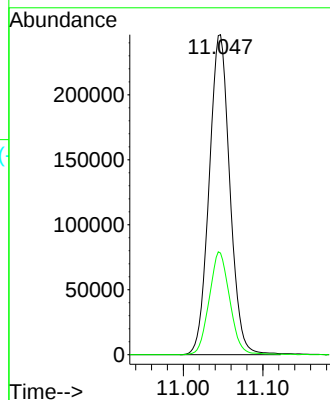
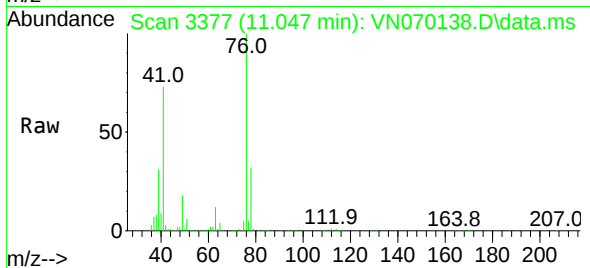
78 31.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/17/2021

Supervised By :Mahesh Dadoda 12/23/2021



#58

2-Chloroethyl Vinyl ether

Concen: 96.923 ug/l

RT: 10.044 min Scan# 3003

Delta R.T. 0.001 min

Lab File: VN070138.D

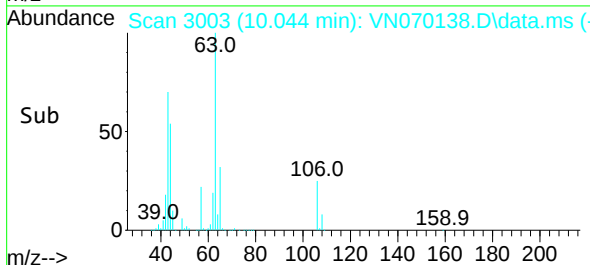
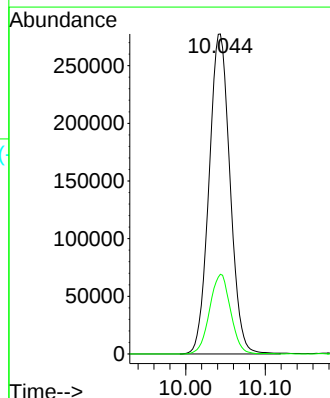
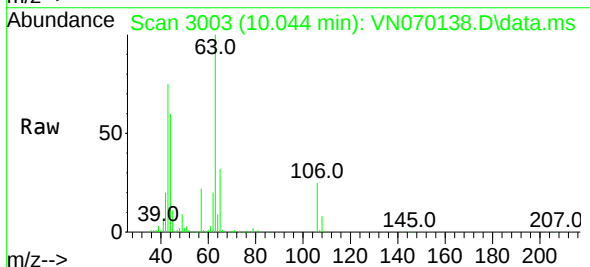
Acq: 16 Dec 2021 15:23

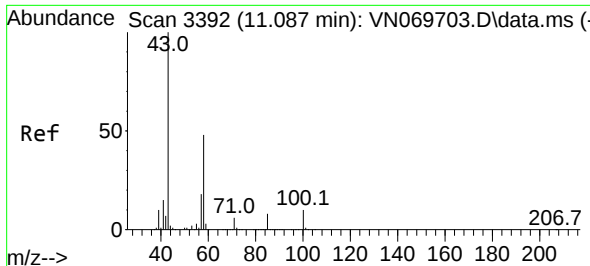
Tgt Ion: 63 Resp: 509391

Ion Ratio Lower Upper

63 100

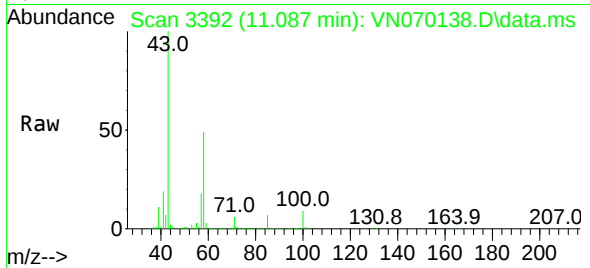
106 24.8 23.9 35.9





#59
2-Hexanone
Concen: 112.210 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

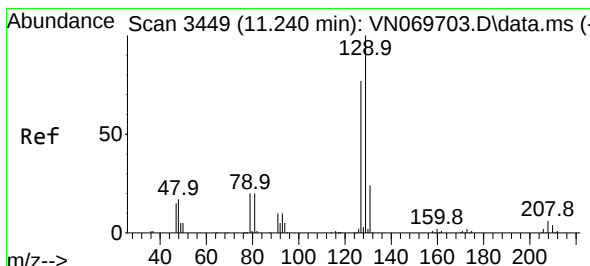
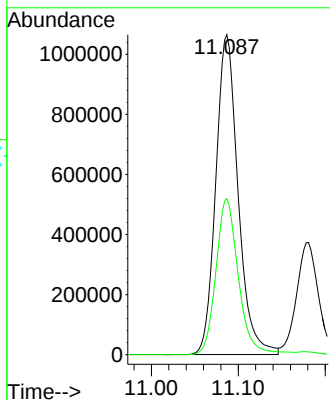
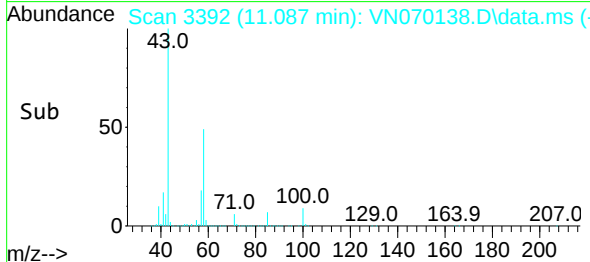
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 43 Resp: 189971
Ion Ratio Lower Upper
43 100
58 49.2 26.9 80.7

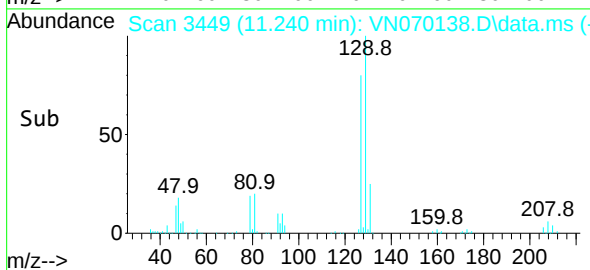
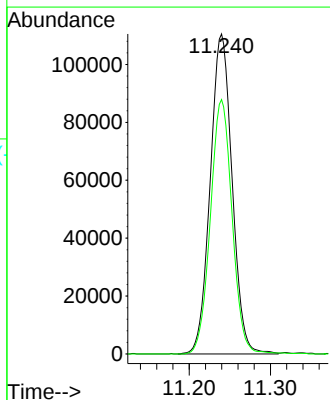
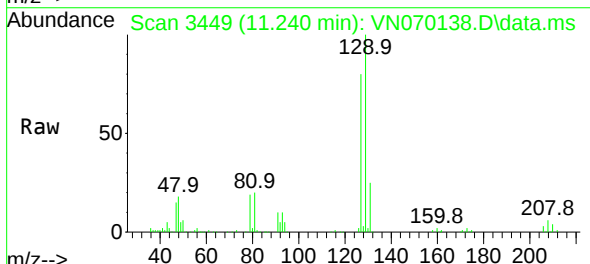
Manual Integrations
APPROVED

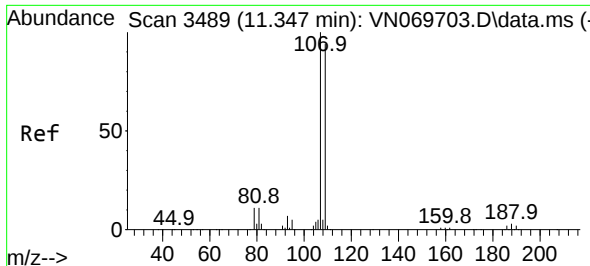
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#60
Dibromochloromethane
Concen: 17.967 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. -0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

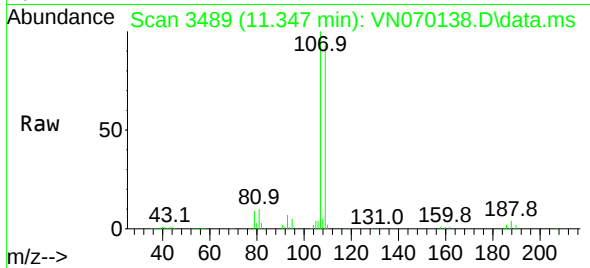
Tgt Ion:129 Resp: 206839
Ion Ratio Lower Upper
129 100
127 78.8 38.6 116.0





#61
1,2-Dibromoethane
Concen: 20.337 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. -0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

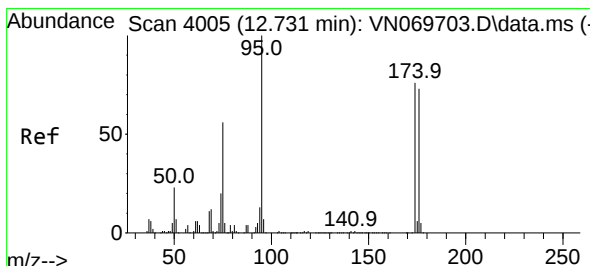
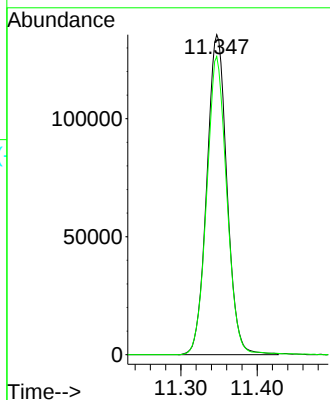
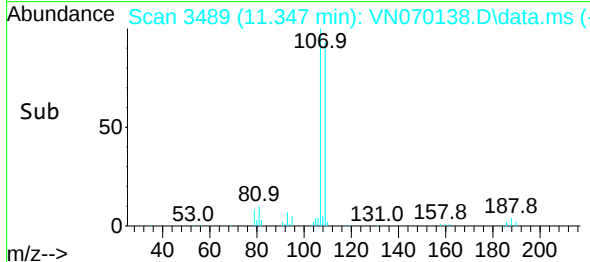
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



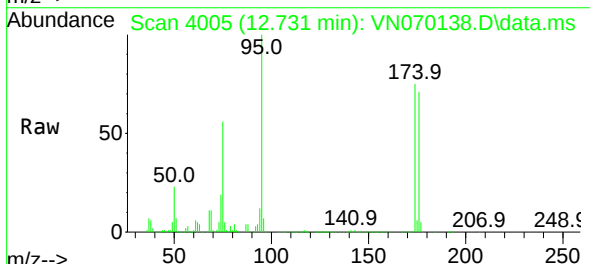
Tgt Ion:107 Resp: 248415
Ion Ratio Lower Upper
107 100
109 93.3 75.7 113.5

Manual Integrations
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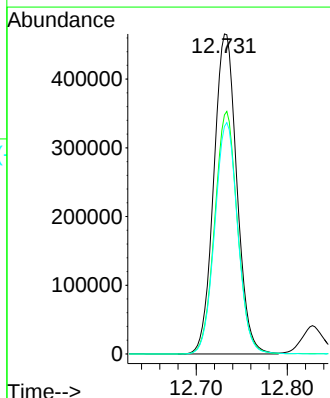
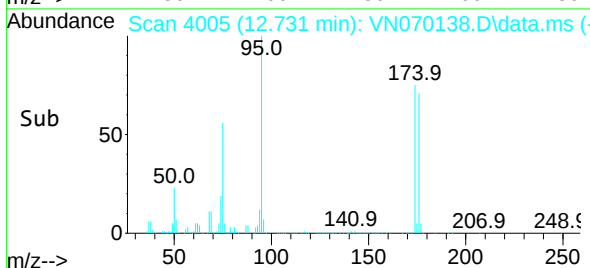
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021

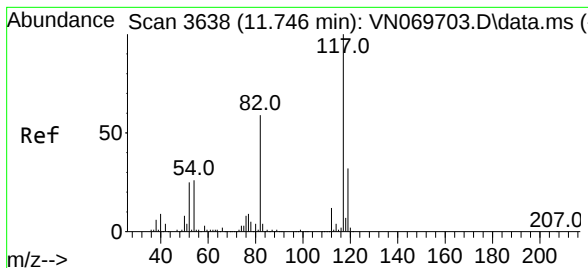


#62
4-Bromofluorobenzene
Concen: 54.628 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23



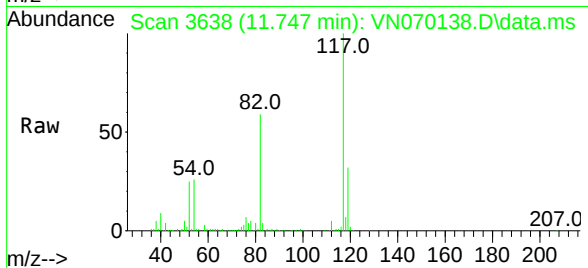
Tgt Ion: 95 Resp: 818974
Ion Ratio Lower Upper
95 100
174 74.9 0.0 187.2
176 72.0 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

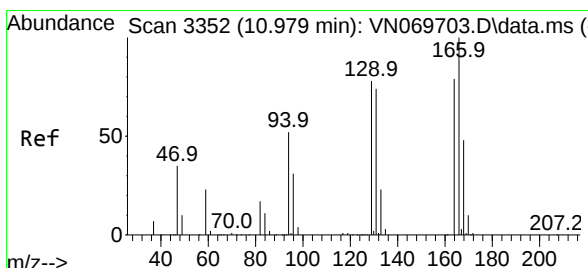
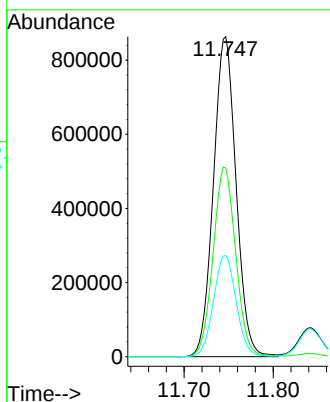
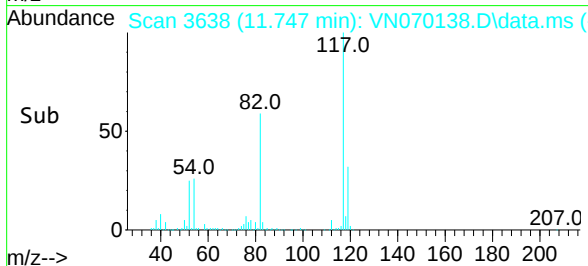
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



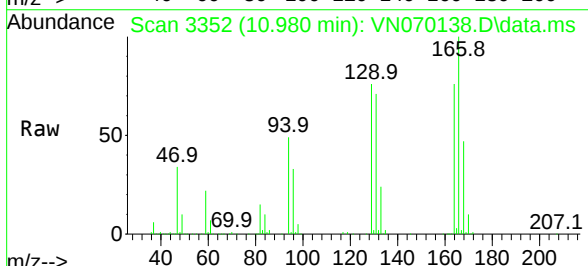
Tgt Ion:117 Resp: 152627
Ion Ratio Lower Upper
117 100
82 58.9 42.4 63.6
119 31.6 25.4 38.2

Manual Integrations
APPROVED

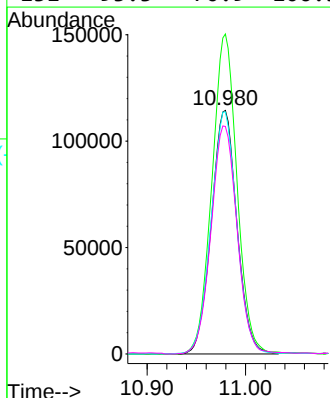
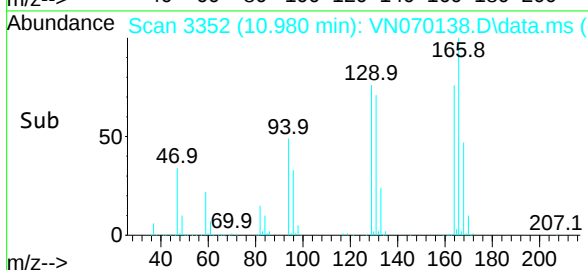
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021

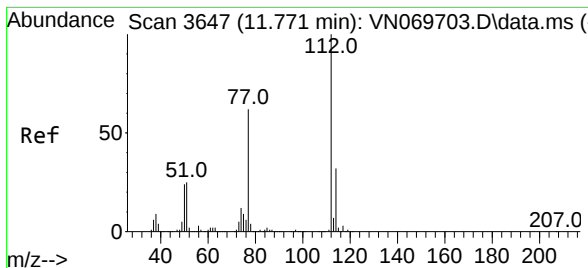


#64
Tetrachloroethene
Concen: 20.004 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. 0.001 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23



Tgt Ion:164 Resp: 207023
Ion Ratio Lower Upper
164 100
166 131.4 101.9 152.9
129 99.1 72.0 108.0
131 93.3 70.9 106.3





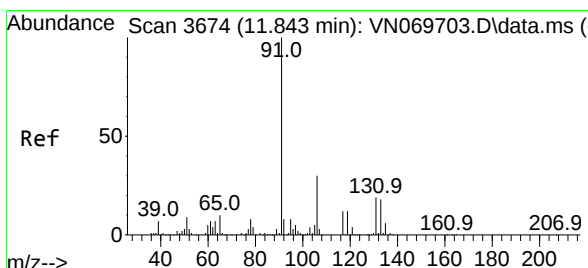
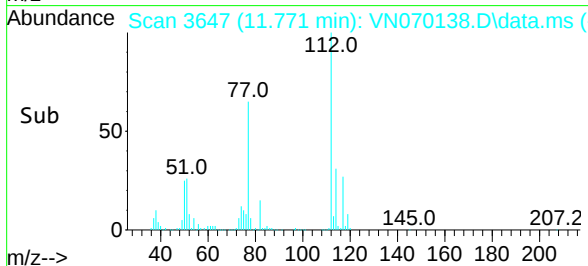
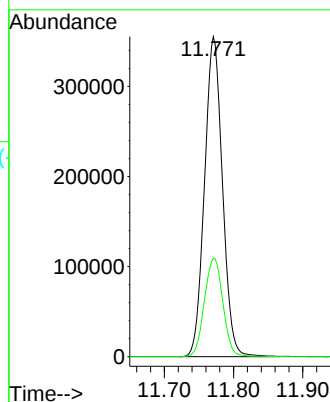
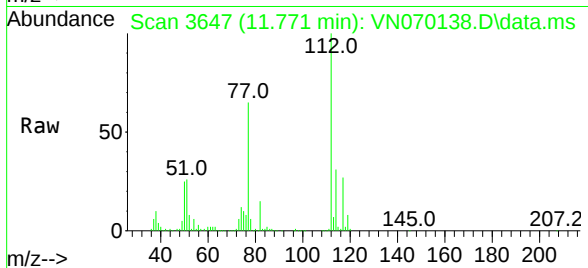
#65
Chlorobenzene
Concen: 20.640 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. -0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:112 Resp: 639075
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.0

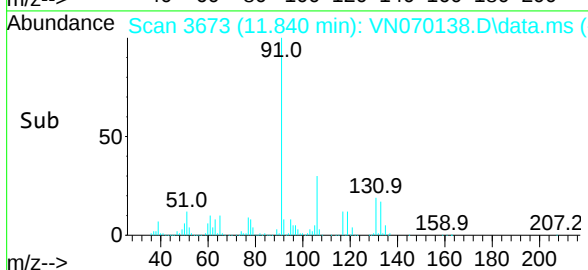
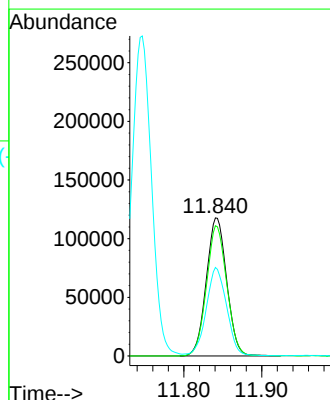
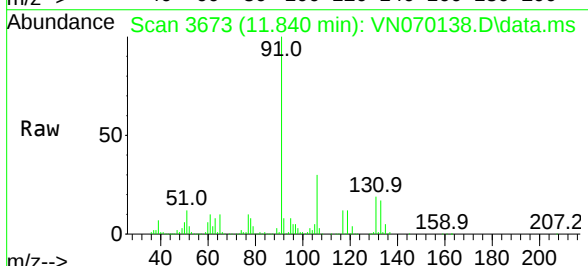
Manual Integrations
APPROVED

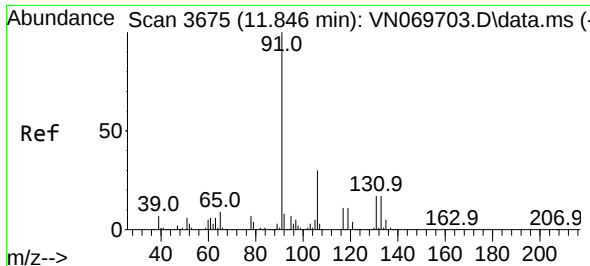
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#66
1,1,1,2-Tetrachloroethane
Concen: 19.727 ug/l
RT: 11.840 min Scan# 3673
Delta R.T. -0.003 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

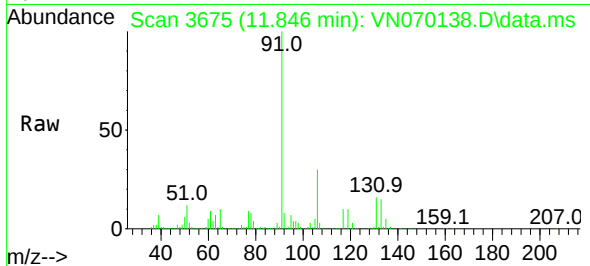
Tgt Ion:131 Resp: 214989
Ion Ratio Lower Upper
131 100
133 93.7 47.9 143.7
119 63.6 32.1 96.5





#67
Ethyl Benzene
Concen: 21.461 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

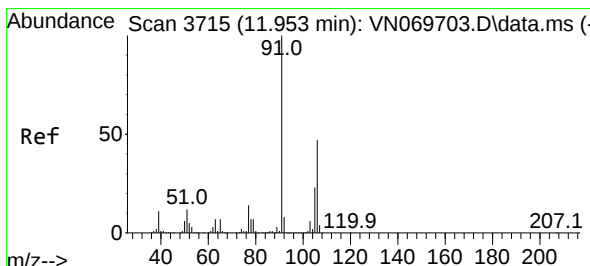
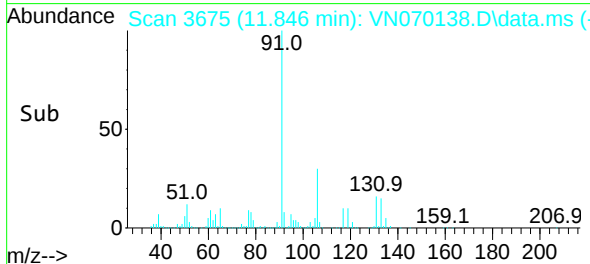
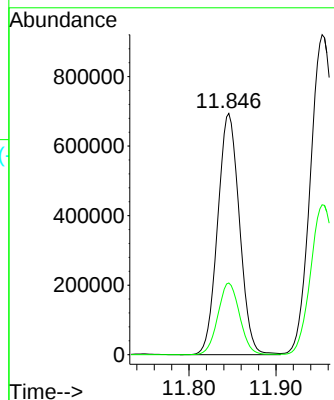
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 91 Resp: 120707
Ion Ratio Lower Upper
91 100
106 29.7 25.7 38.5

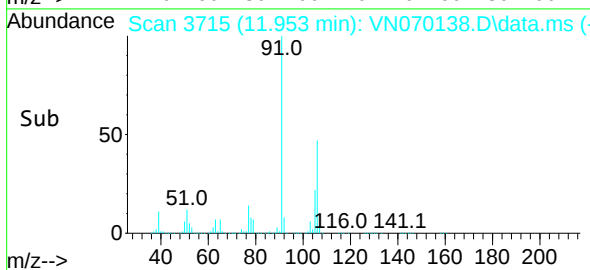
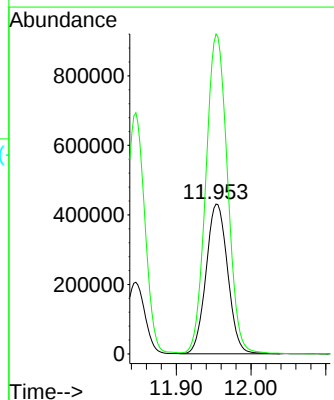
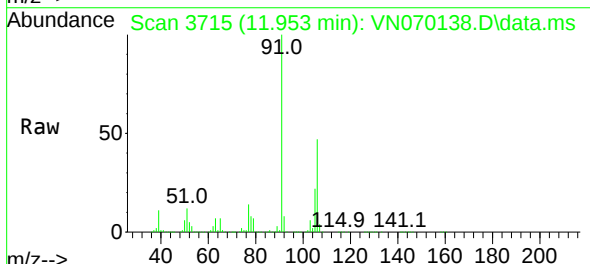
Manual Integrations
APPROVED

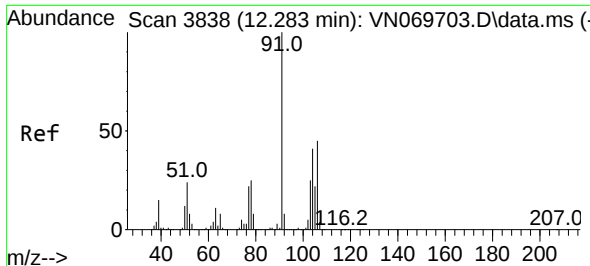
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#68
m/p-Xylenes
Concen: 42.260 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Tgt Ion:106 Resp: 865456
Ion Ratio Lower Upper
106 100
91 213.6 160.6 240.8





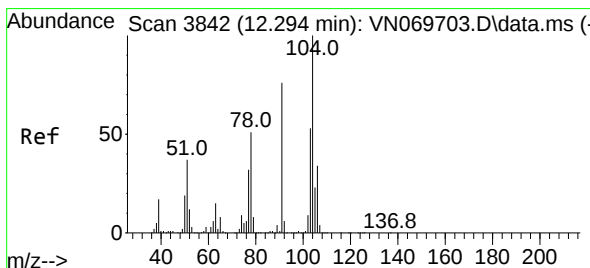
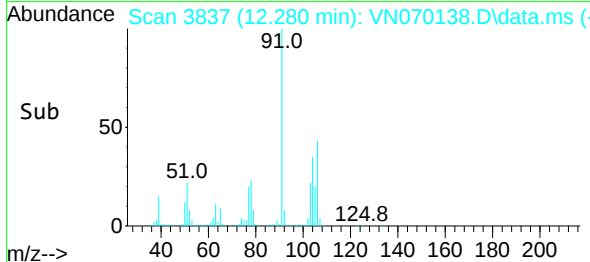
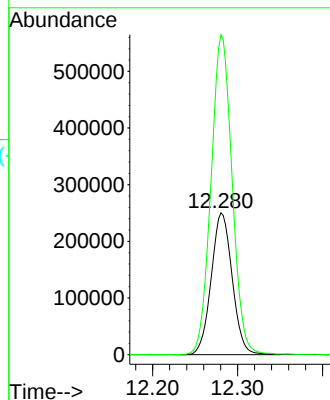
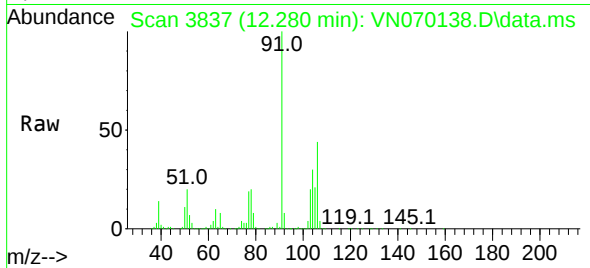
#69
o-Xylene
Concen: 20.818 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.002 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:106 Resp: 429440
Ion Ratio Lower Upper
106 100
91 226.5 105.8 317.3

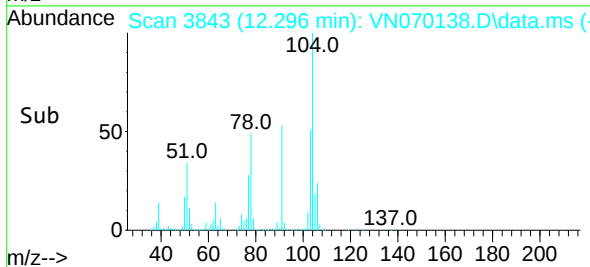
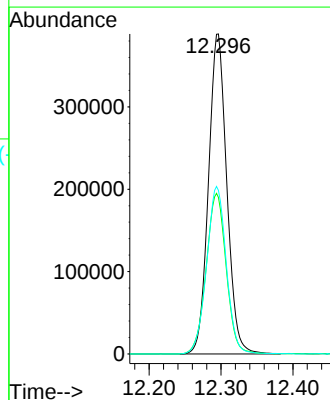
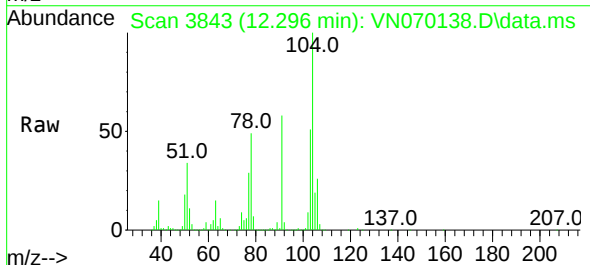
Manual Integrations
APPROVED

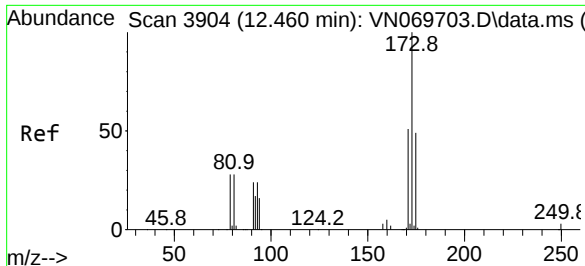
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#70
Styrene
Concen: 21.075 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.002 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Tgt Ion:104 Resp: 689371
Ion Ratio Lower Upper
104 100
78 54.7 38.7 58.1
103 56.2 45.0 67.6





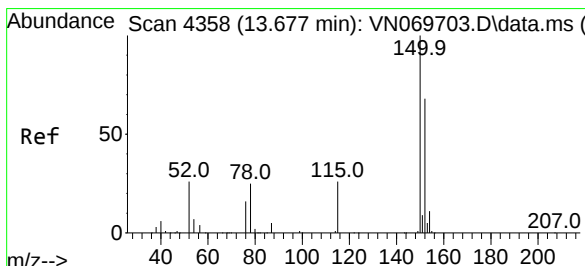
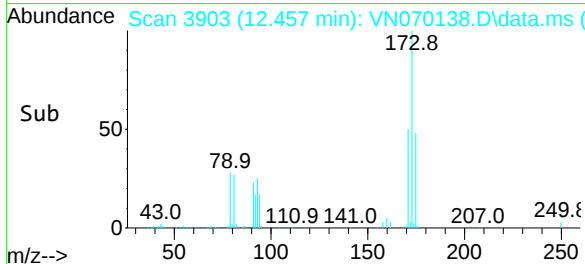
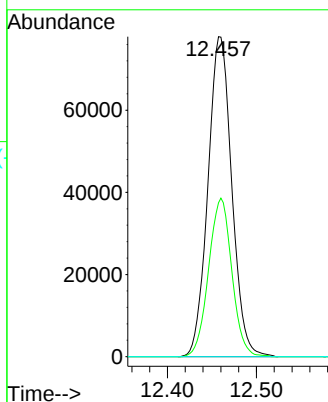
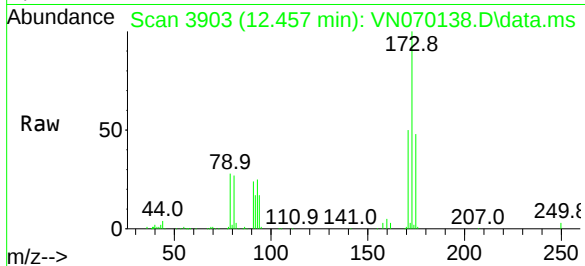
#71
Bromoform
Concen: 17.466 ug/l
RT: 12.457 min Scan# 3904
Delta R.T. -0.003 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:173 Resp: 14528
Ion Ratio Lower Upper
173 100
175 48.2 24.2 72.6
254 0.0 0.0 0.0

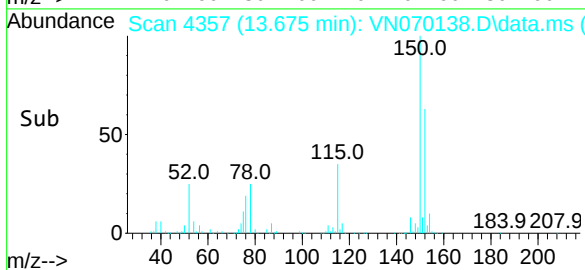
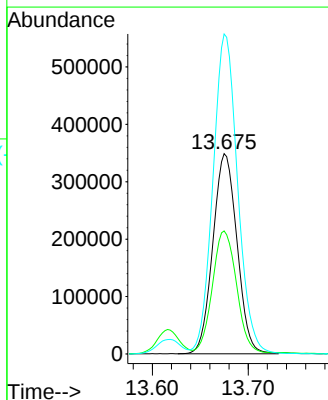
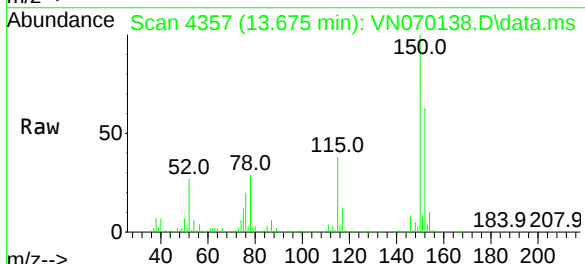
Manual Integrations
APPROVED

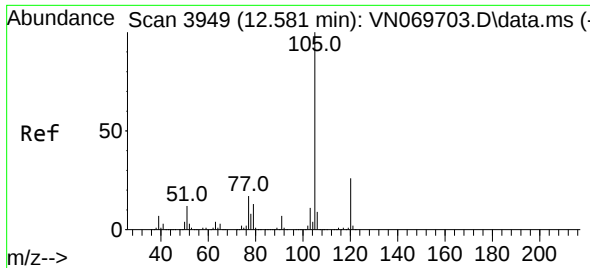
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

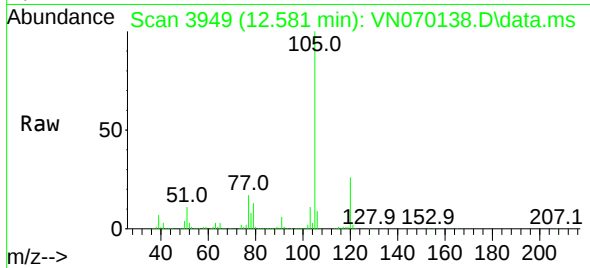
Tgt Ion:152 Resp: 609257
Ion Ratio Lower Upper
152 100
115 61.9 27.5 82.5
150 163.7 0.0 344.4





#73
Isopropylbenzene
Concen: 21.352 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

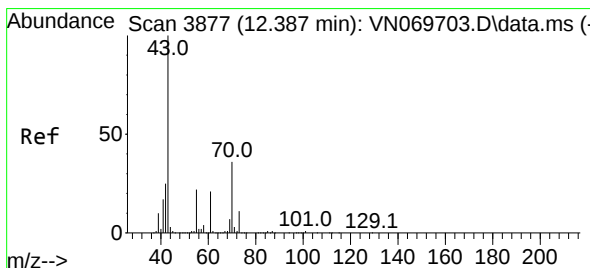
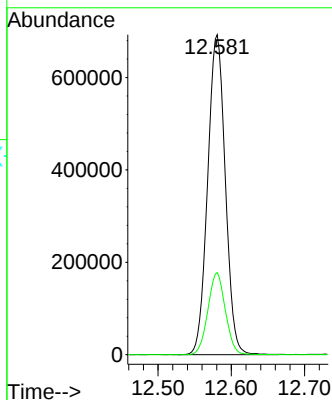
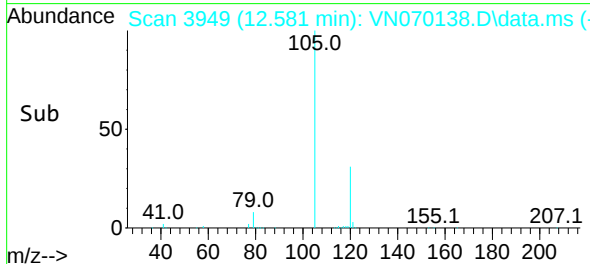
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



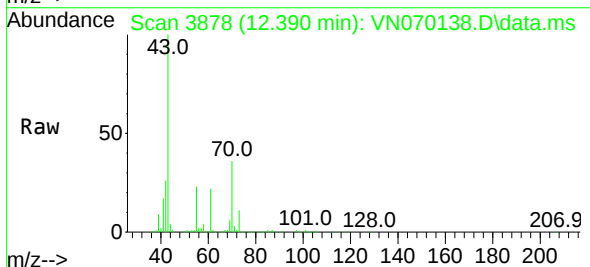
Tgt Ion:105 Resp: 115740
Ion Ratio Lower Upper
105 100
120 25.4 13.4 40.1

Manual Integrations
APPROVED

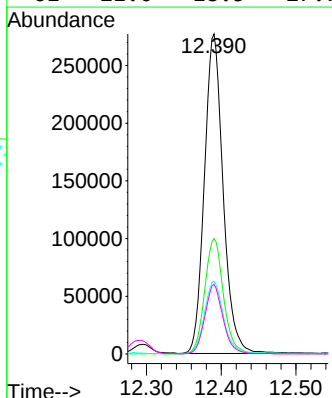
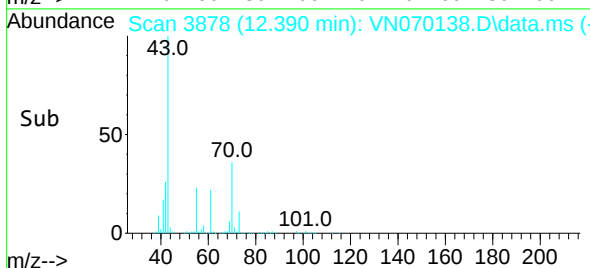
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021

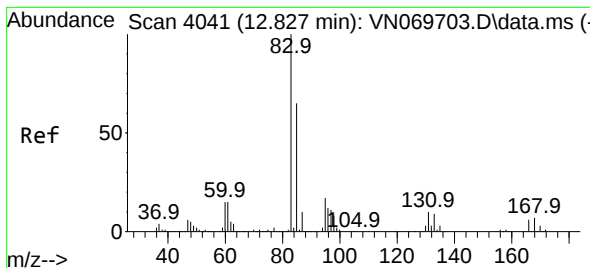


#74
N-ethyl acetate
Concen: 20.118 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23



Tgt Ion: 43 Resp: 482285
Ion Ratio Lower Upper
43 100
70 36.2 33.4 50.0
55 22.6 19.3 28.9
61 21.0 18.5 27.7





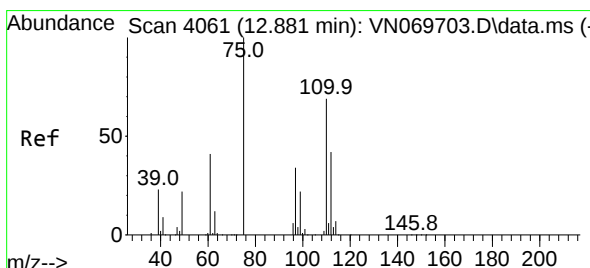
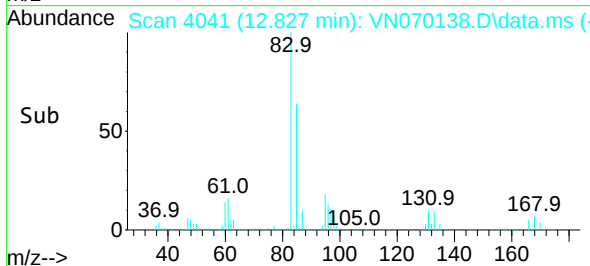
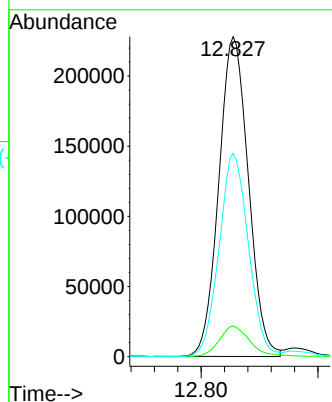
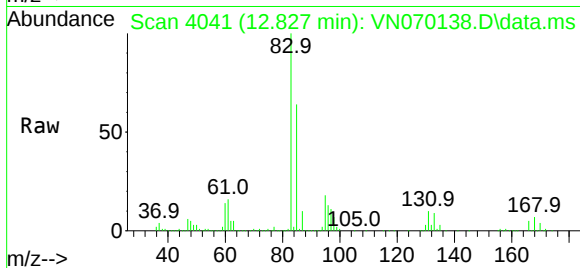
#75
1,1,2,2-Tetrachloroethane
Concen: 21.348 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 83 Resp: 400160
Ion Ratio Lower Upper
83 100
131 10.0 5.5 16.5
85 63.1 32.4 97.2

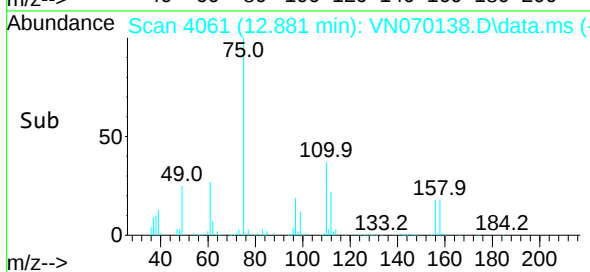
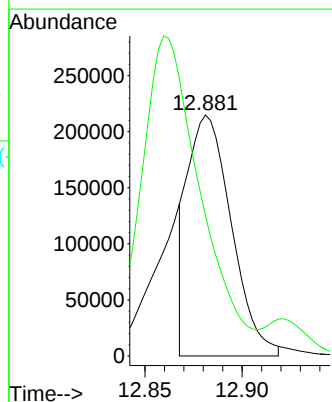
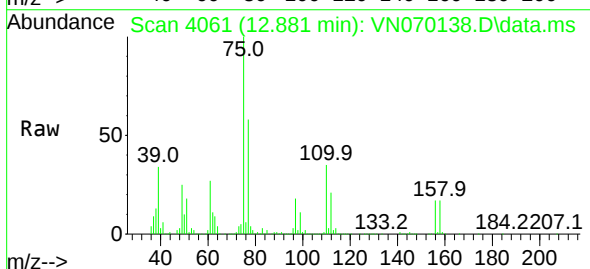
Manual Integrations
APPROVED

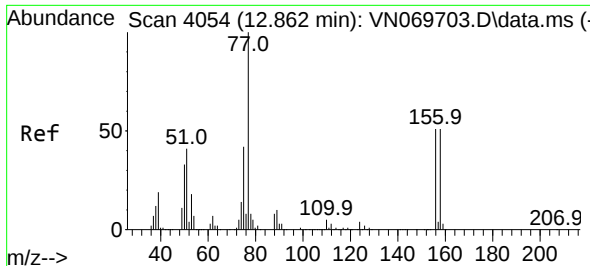
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#76
1,2,3-Trichloropropane
Concen: 19.216 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

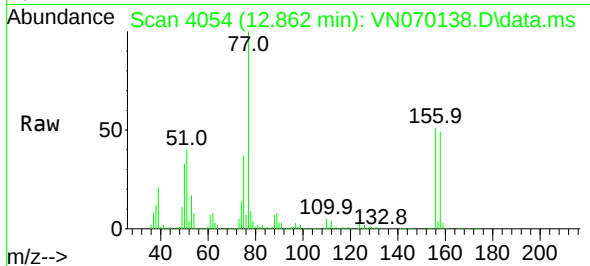
Tgt Ion: 75 Resp: 335737
Ion Ratio Lower Upper
75 100
77 0.0 82.6 247.8#





#77
Bromobenzene
Concen: 20.563 ug/l
RT: 12.862 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

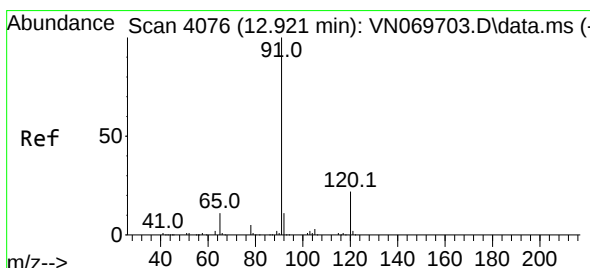
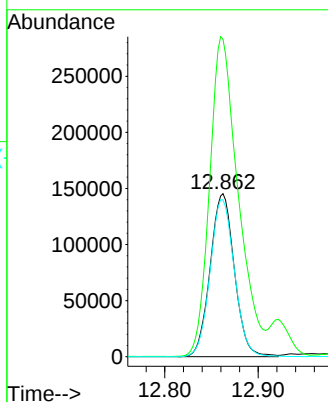
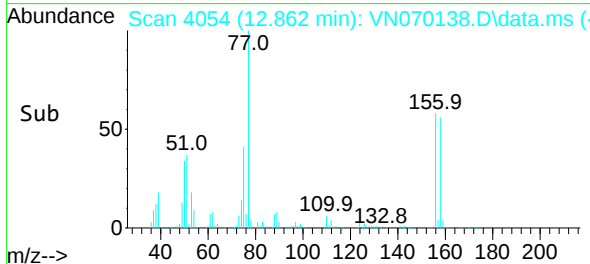
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



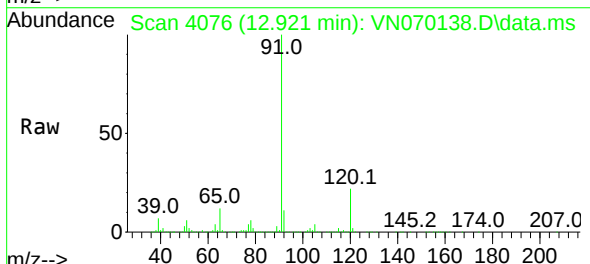
Tgt Ion:156 Resp: 261810
Ion Ratio Lower Upper
156 100
77 231.0 90.6 271.8
158 96.8 48.9 146.7

Manual Integrations
APPROVED

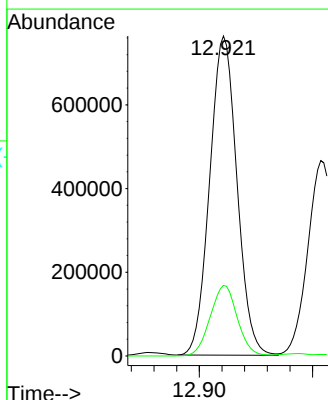
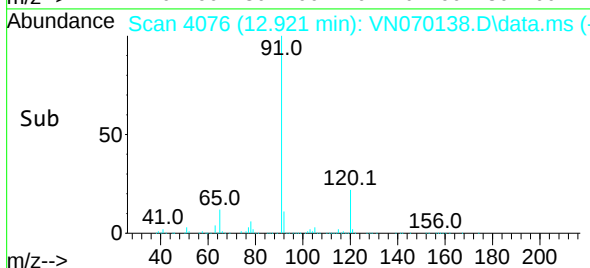
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021

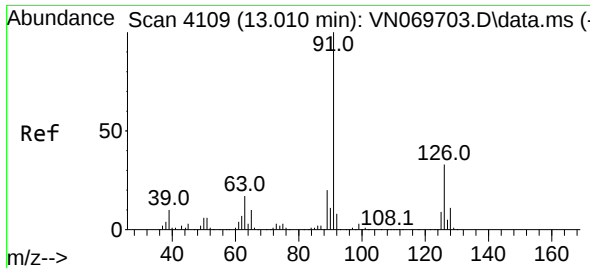


#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23



Tgt Ion: 91 Resp: 1272284
Ion Ratio Lower Upper
91 100
120 22.1 11.9 35.9





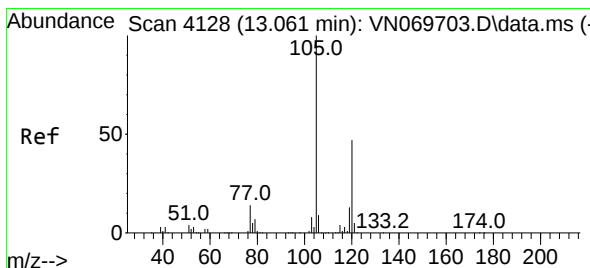
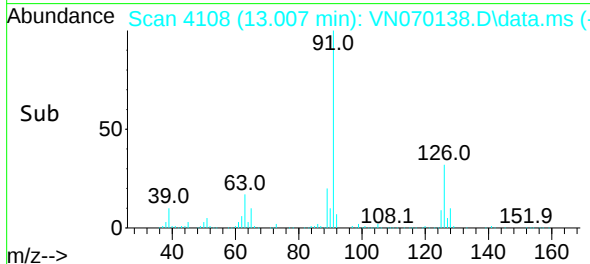
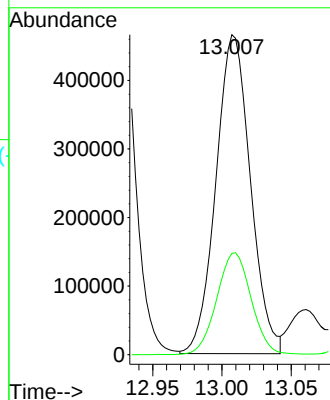
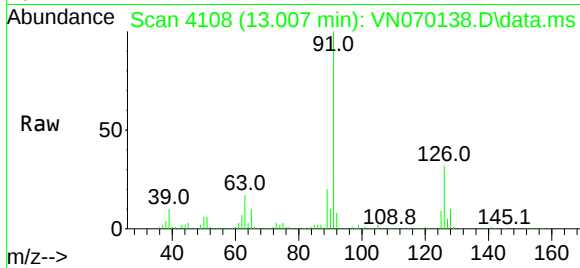
#79
2-Chlorotoluene
Concen: 21.165 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. -0.002 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 91 Resp: 806694
Ion Ratio Lower Upper
91 100
126 31.9 18.3 54.8

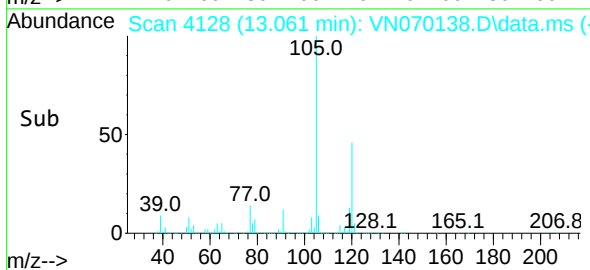
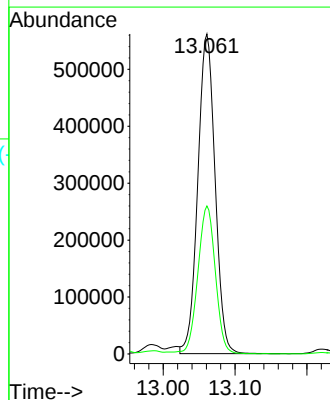
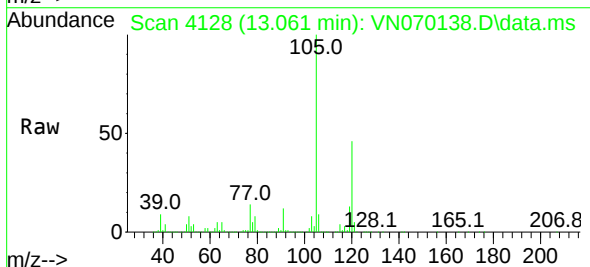
Manual Integrations
APPROVED

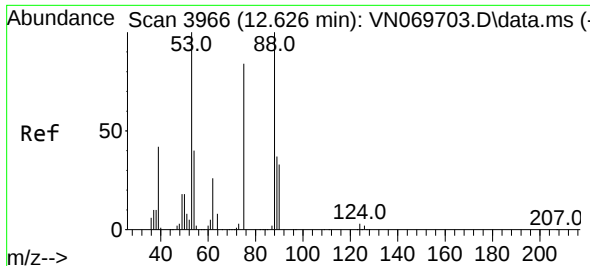
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#80
1,3,5-Trimethylbenzene
Concen: 21.560 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

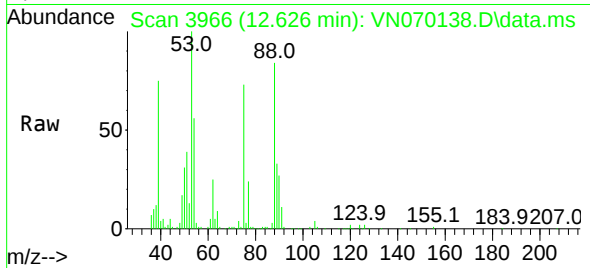
Tgt Ion:105 Resp: 940675
Ion Ratio Lower Upper
105 100
120 46.7 24.6 73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 18.581 ug/l
RT: 12.626 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

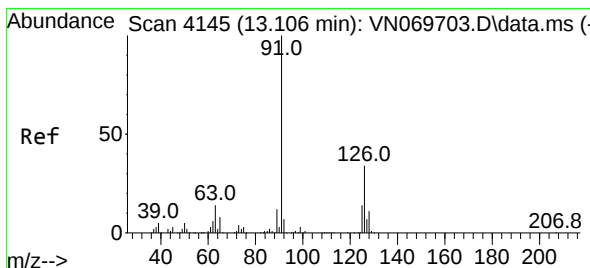
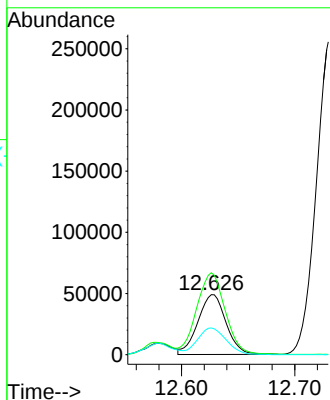
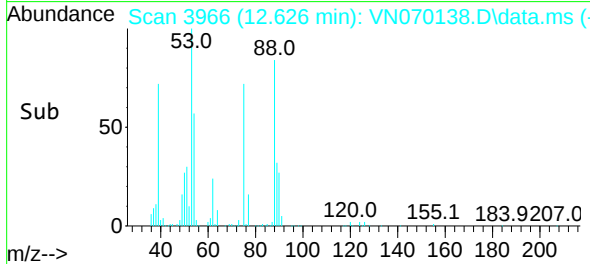
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 75 Resp: 84360
Ion Ratio Lower Upper
75 100
53 139.2 90.5 135.7
89 45.4 38.2 57.4

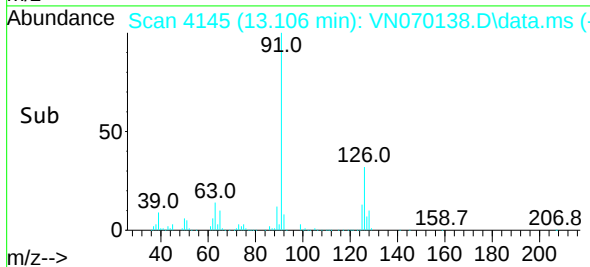
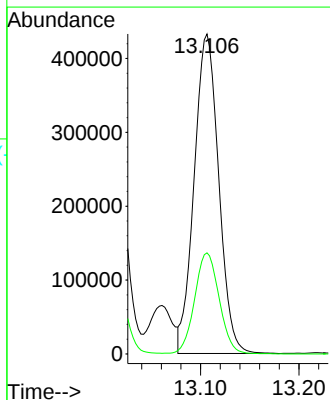
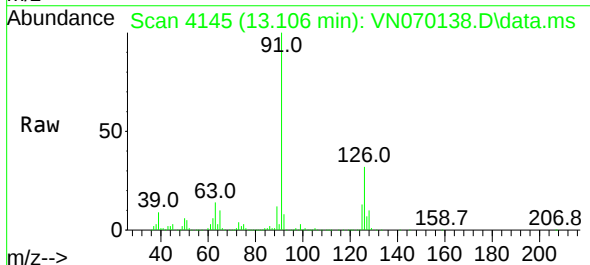
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#82
4-Chlorotoluene
Concen: 20.864 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

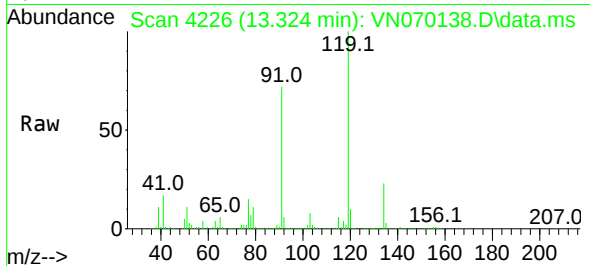
Tgt Ion: 91 Resp: 747861
Ion Ratio Lower Upper
91 100
126 31.9 18.2 54.6





#83
tert-Butylbenzene
Concen: 21.078 ug/l
RT: 13.324 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

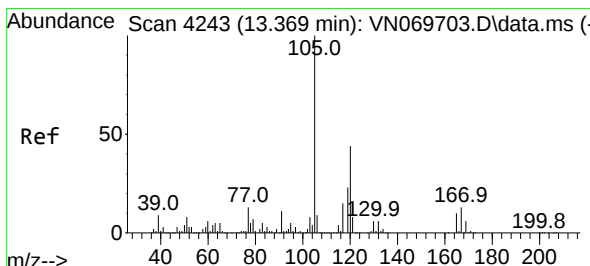
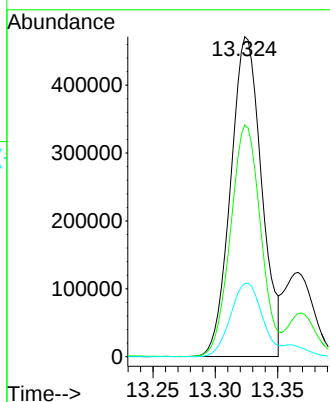
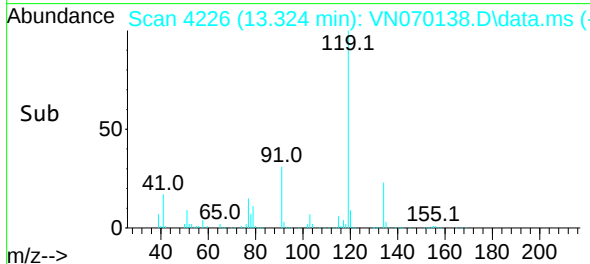
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion:119 Resp: 814298
Ion Ratio Lower Upper
119 100
91 70.8 31.5 94.5
134 23.7 12.4 37.4

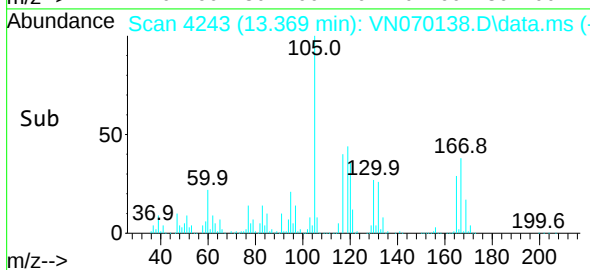
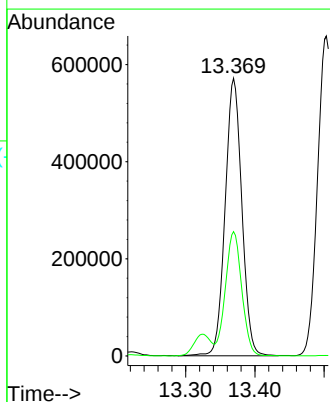
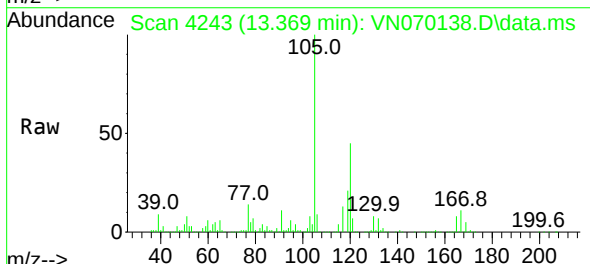
Manual Integrations
APPROVED

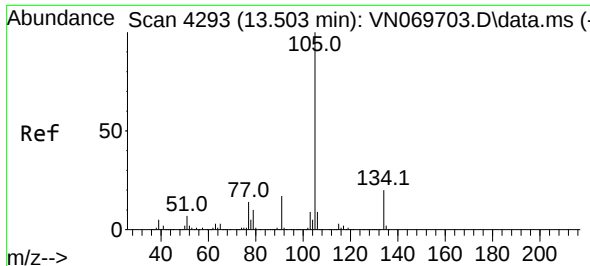
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#84
1,2,4-Trimethylbenzene
Concen: 22.994 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Tgt Ion:105 Resp: 955433
Ion Ratio Lower Upper
105 100
120 44.0 22.8 68.4





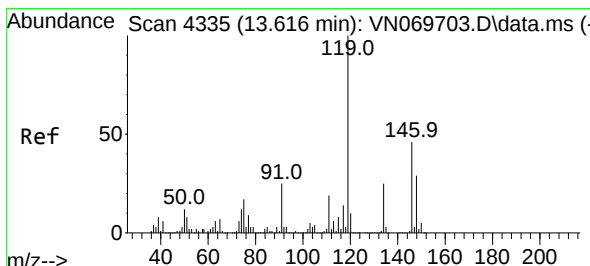
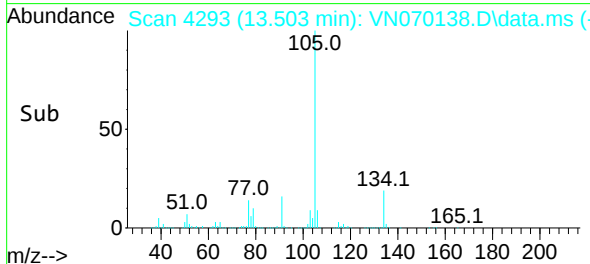
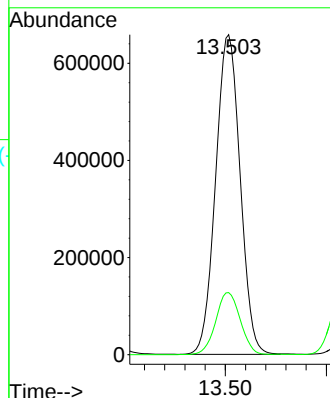
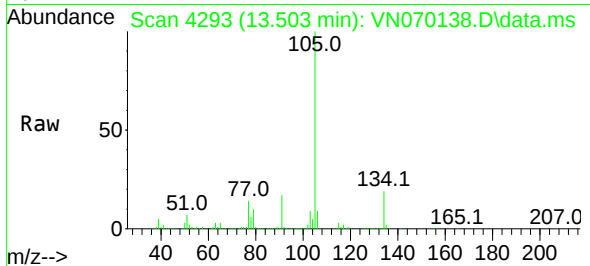
#85
 sec-Butylbenzene
 Concen: 21.128 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN070138.D
 Acq: 16 Dec 2021 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01

Tgt Ion:105 Resp: 110718
 Ion Ratio Lower Upper
 105 100
 134 19.5 10.4 31.1

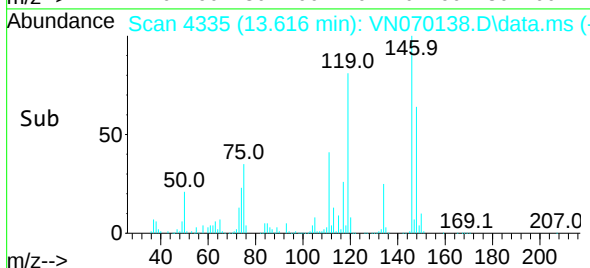
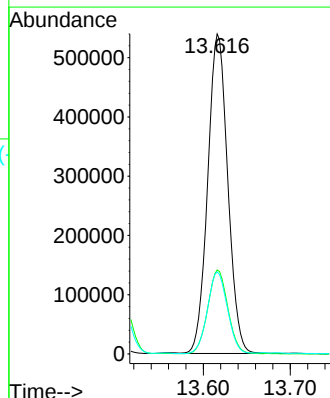
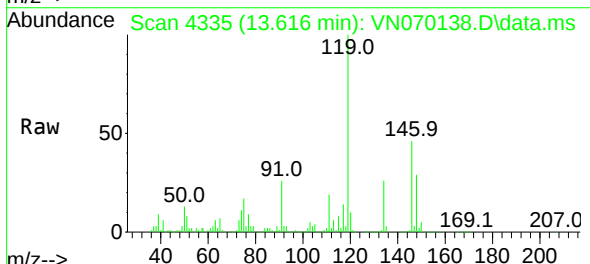
Manual Integrations
 APPROVED

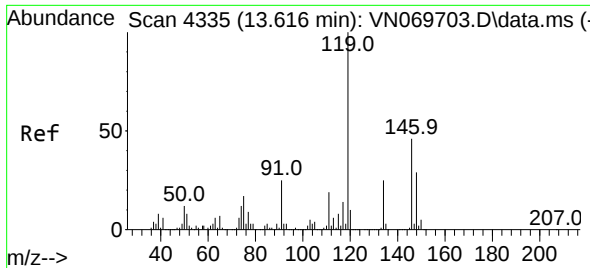
Reviewed By :John Carlone 12/17/2021
 Supervised By :Mahesh Dadoda 12/23/2021



#86
 p-Isopropyltoluene
 Concen: 21.054 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070138.D
 Acq: 16 Dec 2021 15:23

Tgt Ion:119 Resp: 862383
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.6 40.7
 91 25.5 11.4 34.1





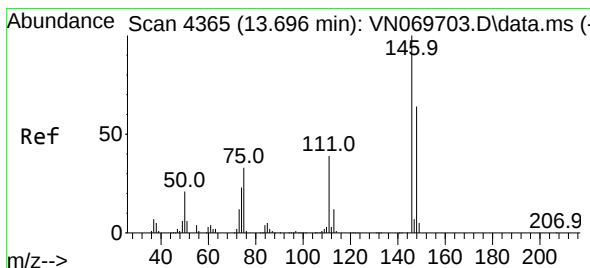
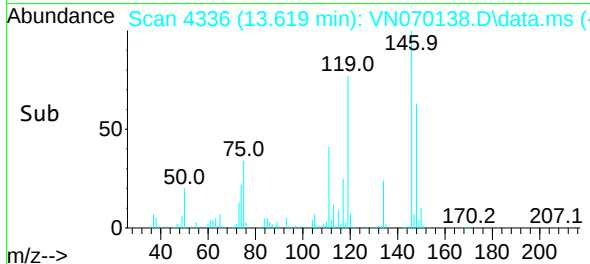
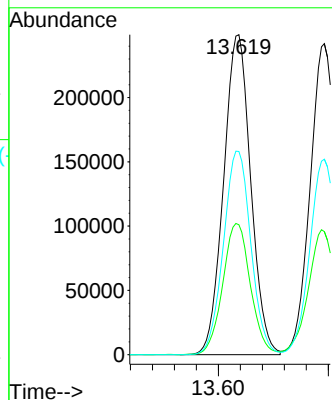
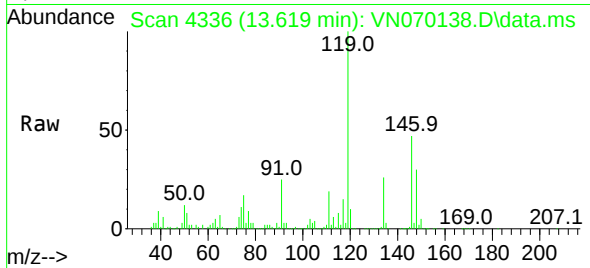
#87
1,3-Dichlorobenzene
Concen: 20.422 ug/l
RT: 13.619 min Scan# 4335
Delta R.T. 0.003 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:146 Resp: 427179
Ion Ratio Lower Upper
146 100
111 41.8 18.6 55.6
148 64.3 31.6 95.0

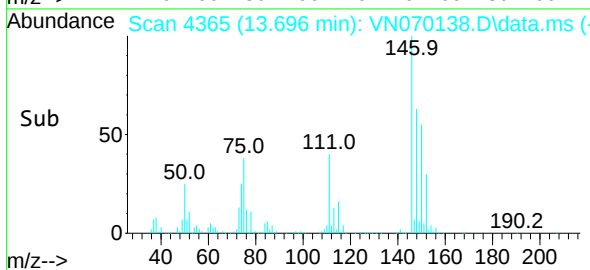
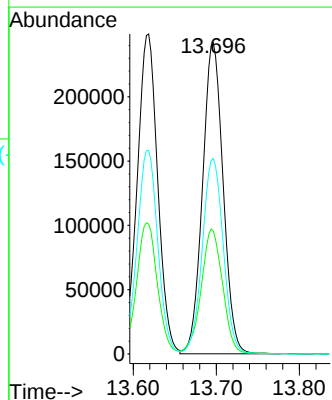
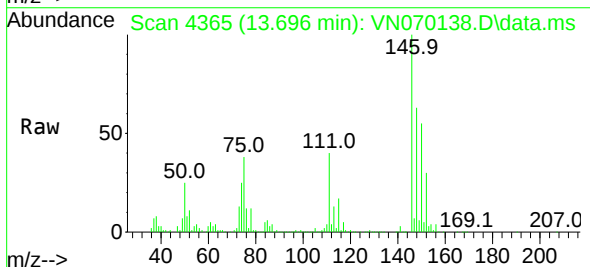
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#88
1,4-Dichlorobenzene
Concen: 20.238 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

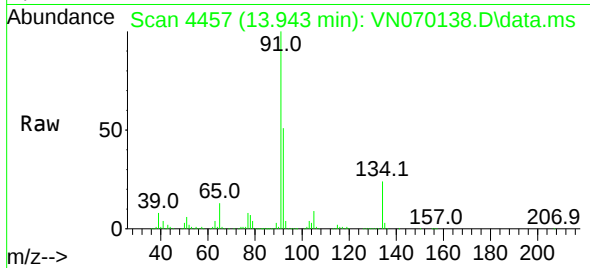
Tgt Ion:146 Resp: 416008
Ion Ratio Lower Upper
146 100
111 41.4 18.3 54.8
148 64.3 31.8 95.4





#89
n-Butylbenzene
Concen: 21.036 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

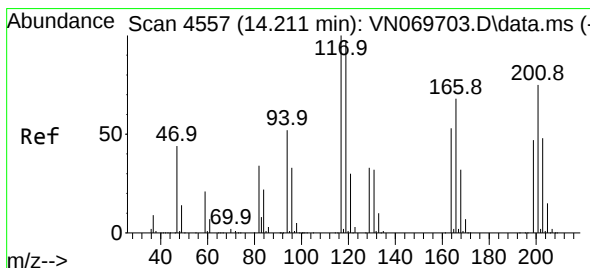
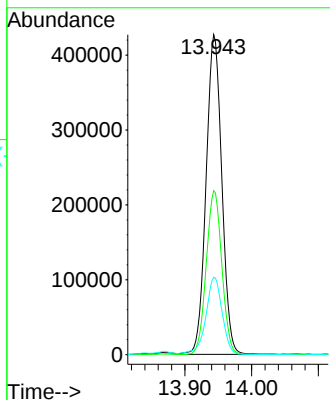
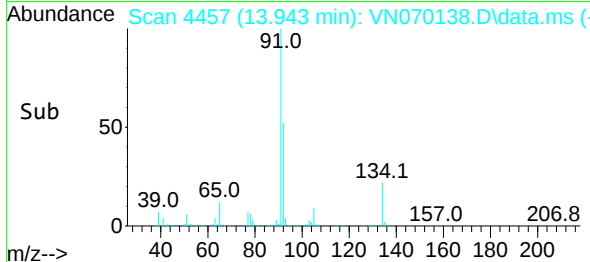
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



Tgt Ion: 91 Resp: 698970
Ion Ratio Lower Upper
91 100
92 50.8 25.4 76.0
134 25.5 13.6 40.8

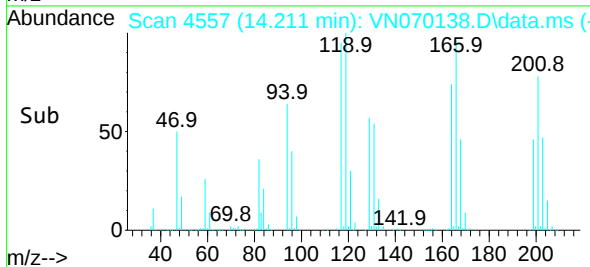
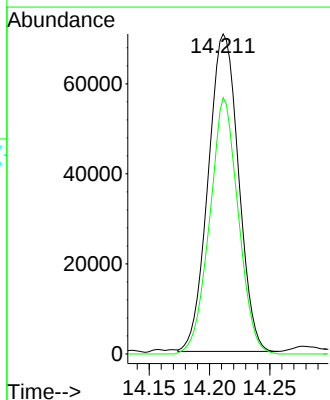
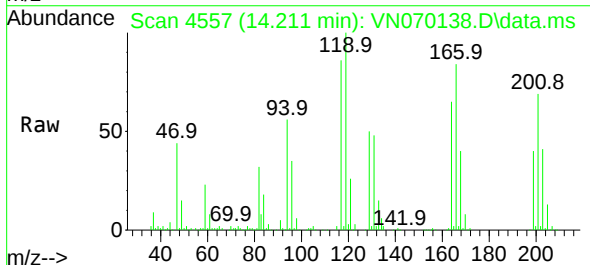
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#90
Hexachloroethane
Concen: 17.147 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

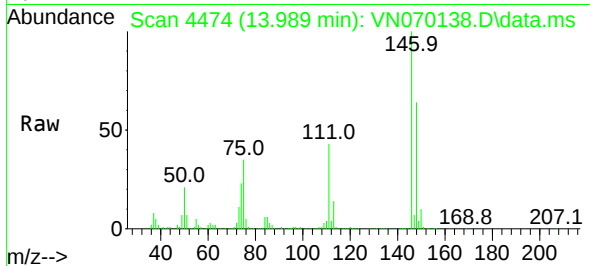
Tgt Ion:117 Resp: 123311
Ion Ratio Lower Upper
117 100
201 76.2 43.9 131.6





#91
1,2-Dichlorobenzene
Concen: 20.725 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

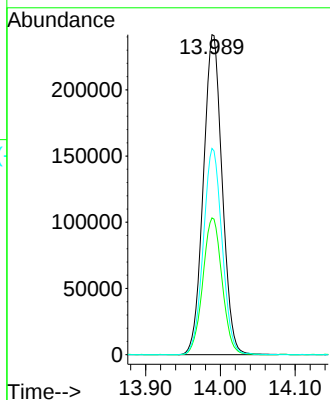
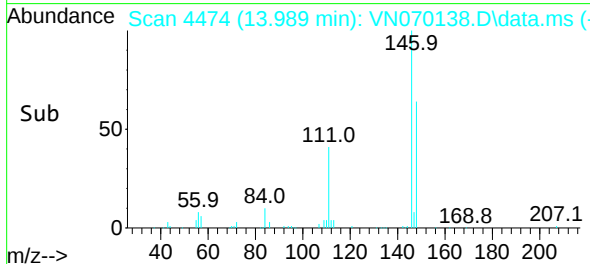
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



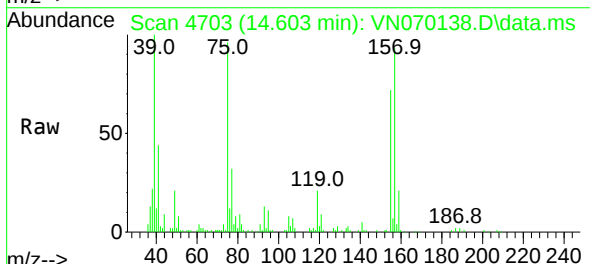
Tgt Ion:146 Resp: 422394
Ion Ratio Lower Upper
146 100
111 43.7 19.1 57.3
148 64.3 32.1 96.3

Manual Integrations
APPROVED

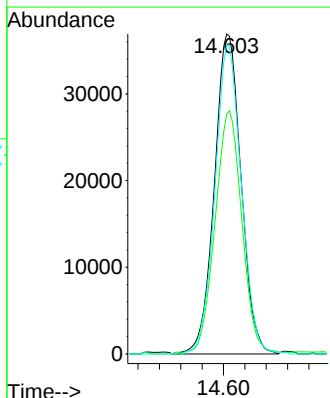
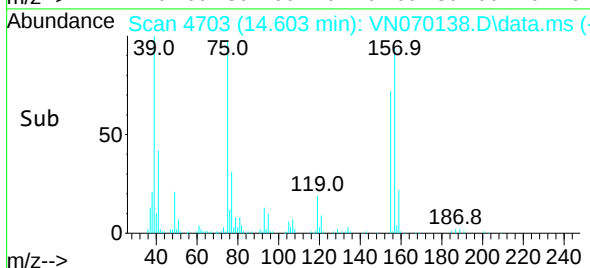
Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021

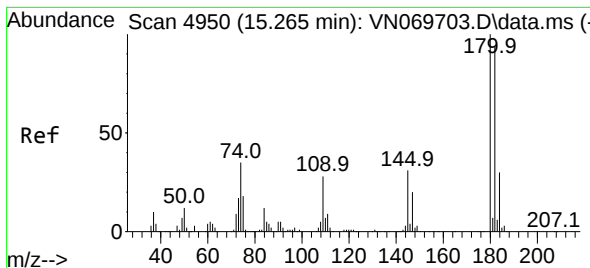


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.883 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23



Tgt Ion: 75 Resp: 63959
Ion Ratio Lower Upper
75 100
155 76.7 46.9 140.7
157 95.7 60.6 181.7





#93

1,2,4-Trichlorobenzene

Concen: 21.018 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. 0.000 min

Lab File: VN070138.D

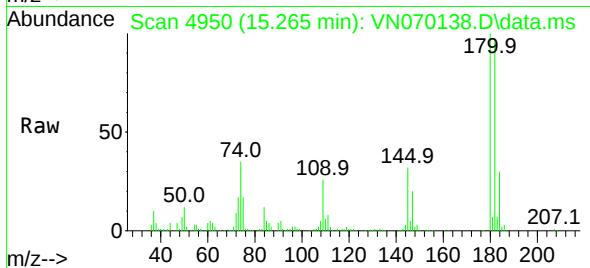
Acq: 16 Dec 2021 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS01



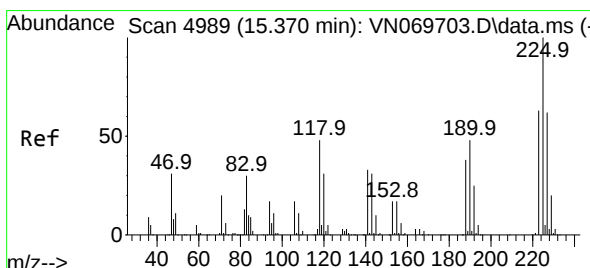
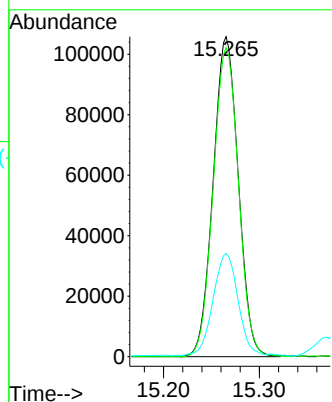
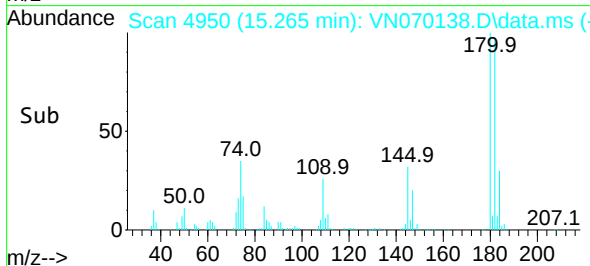
Tgt Ion:	180	Resp:	19239
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.3	144.9
145	31.5	14.5	43.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/17/2021

Supervised By :Mahesh Dadoda 12/23/2021



#94

Hexachlorobutadiene

Concen: 22.142 ug/l

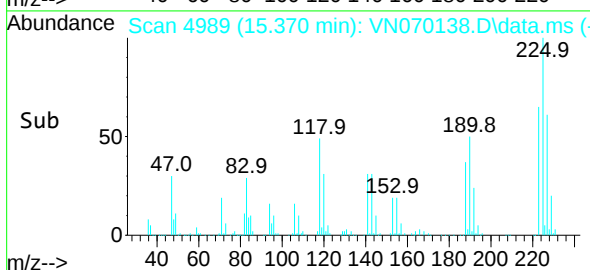
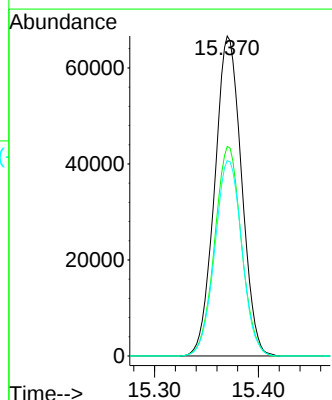
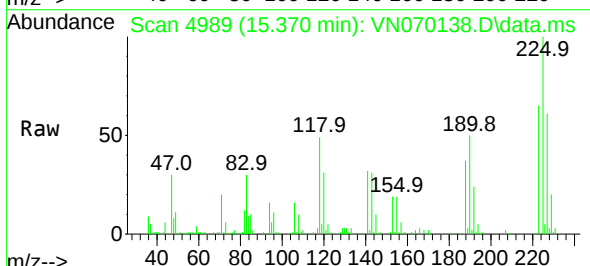
RT: 15.370 min Scan# 4989

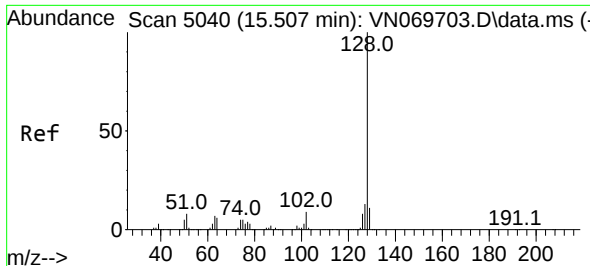
Delta R.T. 0.000 min

Lab File: VN070138.D

Acq: 16 Dec 2021 15:23

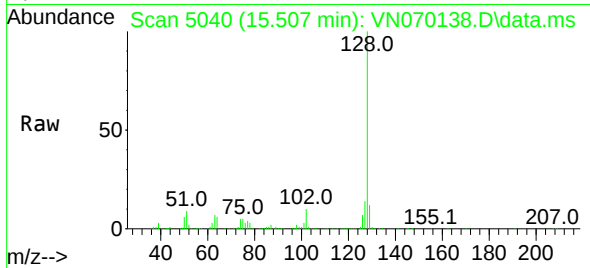
Tgt Ion:	225	Resp:	119595
Ion Ratio	Lower	Upper	
225	100		
223	65.2	31.9	95.7
227	61.8	32.1	96.3





#95
Naphthalene
Concen: 24.198 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23

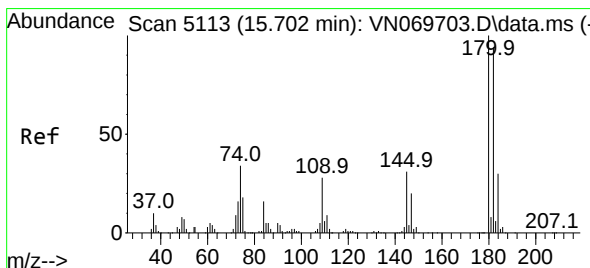
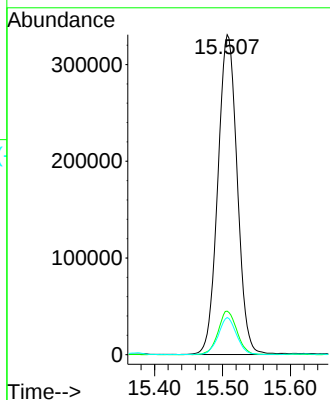
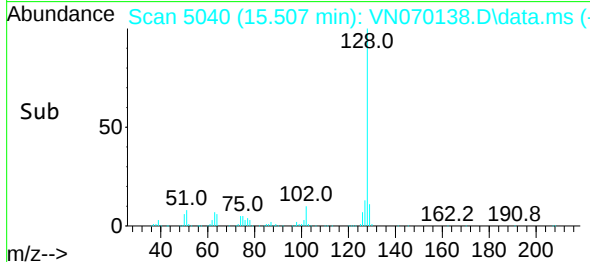
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01



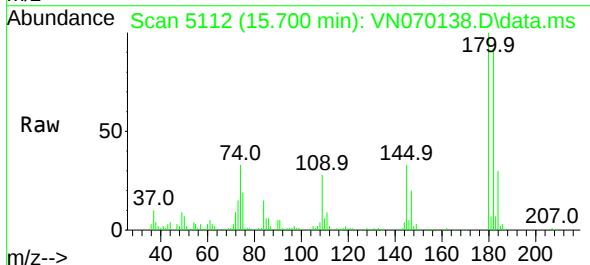
Tgt Ion:128 Resp: 653944
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.8 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/17/2021
Supervised By :Mahesh Dadoda 12/23/2021



#96
1,2,3-Trichlorobenzene
Concen: 21.612 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN070138.D
Acq: 16 Dec 2021 15:23



Tgt Ion:180 Resp: 196380
Ion Ratio Lower Upper
180 100
182 94.2 47.4 142.2
145 33.2 15.0 45.1

