

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069832.D
 Acq On : 7 Dec 2021 23:53
 Operator : JC/MD
 Sample : VN1207WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 08 04:42:30 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

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1058566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1747018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1598278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	628598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	841057	51.459	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.920%			
35) Dibromofluoromethane	8.021	113	570560	52.140	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.280%			
50) Toluene-d8	10.440	98	2252782	51.270	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.540%			
62) 4-Bromofluorobenzene	12.731	95	775105	48.693	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	250653	20.301	ug/l	99
3) Chloromethane	2.306	50	298572	19.303	ug/l	100
4) Vinyl Chloride	2.451	62	275799	19.391	ug/l	99
5) Bromomethane	2.856	94	159347	20.622	ug/l	94
6) Chloroethane	3.025	64	166748	19.132	ug/l	99
7) Trichlorofluoromethane	3.379	101	368094	19.719	ug/l	99
8) Diethyl Ether	3.824	74	146180	20.333	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.207	101	209009	19.975	ug/l	97
10) Methyl Iodide	4.419	142	270824	18.946	ug/l #	94
11) Tert butyl alcohol	5.380	59	234422	75.878	ug/l	98
12) 1,1-Dichloroethene	4.183	96	198597	19.696	ug/l	90
13) Acrolein	4.041	56	310003	117.829	ug/l	99
14) Allyl chloride	4.840	41	442690	19.484	ug/l	94
15) Acrylonitrile	5.554	53	760625	91.366	ug/l	100
16) Acetone	4.285	43	710298	72.245	ug/l	96
17) Carbon Disulfide	4.529	76	492760	18.916	ug/l	99
18) Methyl Acetate	4.857	43	541548	18.248	ug/l	90
19) Methyl tert-butyl Ether	5.615	73	785328	20.031	ug/l	96
20) Methylene Chloride	5.095	84	248456	19.009	ug/l #	86
21) trans-1,2-Dichloroethene	5.597	96	211493	19.311	ug/l	85
22) Diisopropyl ether	6.498	45	924147	20.809	ug/l	96
23) Vinyl Acetate	6.436	43	3675937	101.741	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	473246	20.572	ug/l	98
25) 2-Butanone	7.337	43	1098967	82.267	ug/l	92
26) 2,2-Dichloropropane	7.327	77	324325	18.132	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	259399	19.604	ug/l	86
28) Bromochloromethane	7.659	49	255549	21.362	ug/l #	78
29) Tetrahydrofuran	7.686	42	726964	89.620	ug/l	89
30) Chloroform	7.820	83	471375	20.289	ug/l	100
31) Cyclohexane	8.096	56	455766	20.038	ug/l	89
32) 1,1,1-Trichloroethane	8.016	97	396856	20.053	ug/l	96
36) 1,1-Dichloropropene	8.220	75	335193	20.155	ug/l	95
37) Ethyl Acetate	7.412	43	448024	18.100	ug/l	94
38) Carbon Tetrachloride	8.204	117	327474	20.080	ug/l	100
39) Methylcyclohexane	9.459	83	390329	19.731	ug/l	88
40) Benzene	8.458	78	1032083	20.303	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	218711	18.822	ug/l	89
42) 1,2-Dichloroethane	8.531	62	410144	19.987	ug/l	97
43) Isopropyl Acetate	8.560	43	705265	19.253	ug/l #	94
44) Trichloroethene	9.217	130	241587	19.911	ug/l	92
45) 1,2-Dichloropropane	9.491	63	281603	20.629	ug/l	97
46) Dibromomethane	9.577	93	179012	19.995	ug/l	93
47) Bromodichloromethane	9.762	83	347877	20.523	ug/l	98
48) Methyl methacrylate	9.561	41	322351	18.857	ug/l	90
49) 1,4-Dioxane	9.569	88	93185	303.800	ug/l #	86
51) 4-Methyl-2-Pentanone	10.330	43	2255970	94.935	ug/l	95
52) Toluene	10.505	92	633546	20.414	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	350291	19.013	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	387727	19.393	ug/l #	88
55) 1,1,2-Trichloroethane	10.899	97	247846	19.793	ug/l	98
56) Ethyl methacrylate	10.762	69	401133	18.483	ug/l #	86
57) 1,3-Dichloropropane	11.044	76	446496	20.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	369530	72.044	ug/l	92
59) 2-Hexanone	11.084	43	1558537	86.700	ug/l	92
60) Dibromochloromethane	11.237	129	239030	19.345	ug/l	100
61) 1,2-Dibromoethane	11.344	107	255651	19.711	ug/l	98
64) Tetrachloroethene	10.977	164	228301	21.066	ug/l	95
65) Chlorobenzene	11.768	112	658807	20.318	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	235603	20.645	ug/l	99
67) Ethyl Benzene	11.843	91	1212935	20.594	ug/l	96
68) m/p-Xylenes	11.953	106	875875	40.842	ug/l	91
69) o-Xylene	12.280	106	436370	20.201	ug/l	91
70) Styrene	12.294	104	694961	20.289	ug/l	95
71) Bromoform	12.457	173	165052	18.717	ug/l #	99
73) Isopropylbenzene	12.578	105	1144158	20.458	ug/l	99
74) N-amyl acetate	12.387	43	459908	18.595	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.825	83	384573	19.885	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	326382m	18.105	ug/l	
77) Bromobenzene	12.860	156	264613	20.143	ug/l	80
78) n-propylbenzene	12.919	91	1277628	20.529	ug/l	96
79) 2-Chlorotoluene	13.007	91	798083	20.295	ug/l	94
80) 1,3,5-Trimethylbenzene	13.058	105	941538	20.916	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	82830	17.878	ug/l	86
82) 4-Chlorotoluene	13.104	91	749128	20.256	ug/l	92
83) tert-Butylbenzene	13.323	119	813007	20.397	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	898038	20.948	ug/l	98
85) sec-Butylbenzene	13.501	105	1086526	20.096	ug/l	98
86) p-Isopropyltoluene	13.616	119	862038	20.398	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	431380	19.989	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	412992	19.473	ug/l	96
89) n-Butylbenzene	13.943	91	653730	19.069	ug/l	98
90) Hexachloroethane	14.209	117	145170	19.565	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	424455	20.185	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	63727	18.235	ug/l	75
93) 1,2,4-Trichlorobenzene	15.263	180	171560	18.555	ug/l	98
94) Hexachlorobutadiene	15.367	225	108630	19.493	ug/l	98
95) Naphthalene	15.504	128	459926	17.764	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	171148	18.634	ug/l	97

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

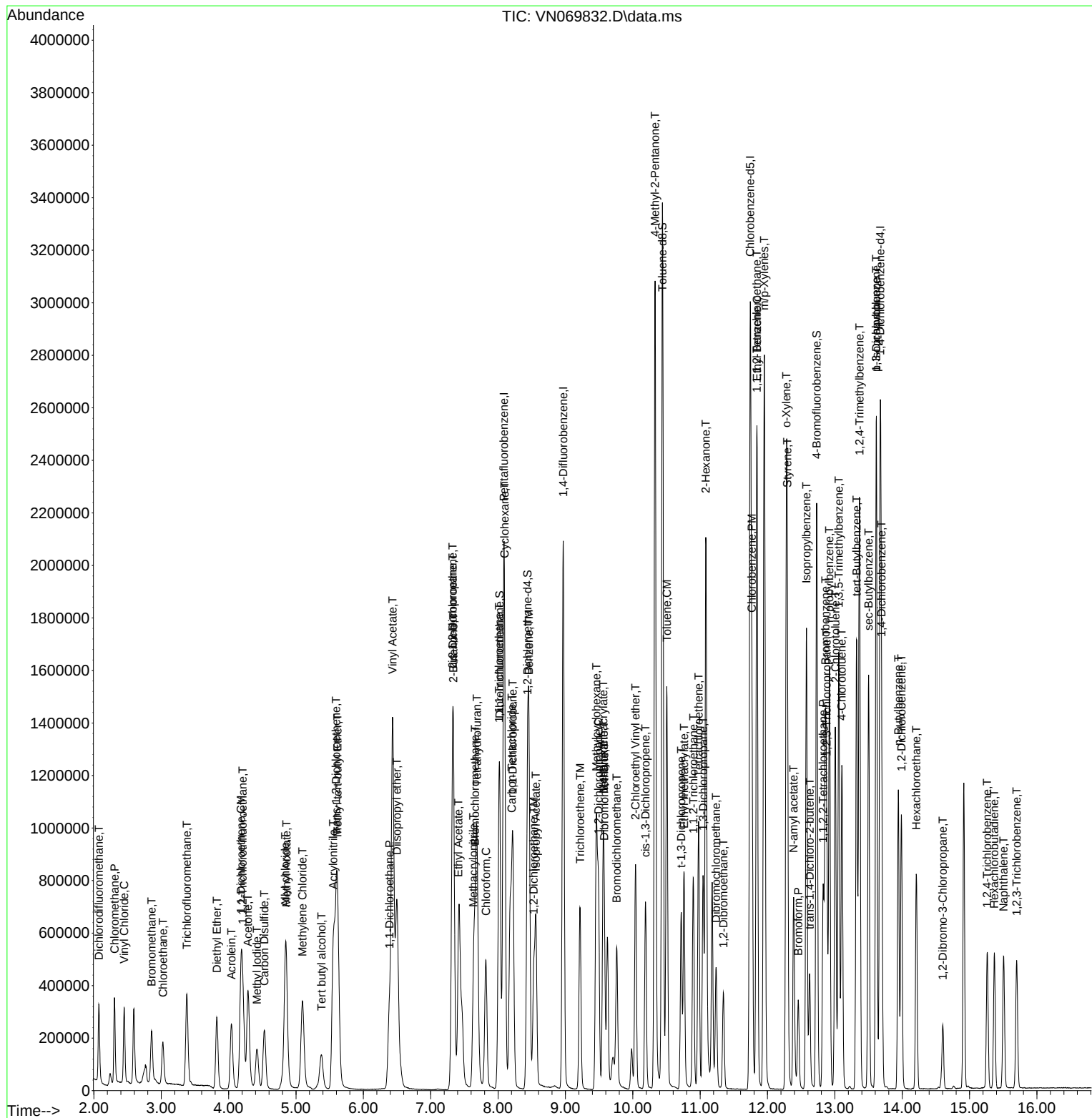
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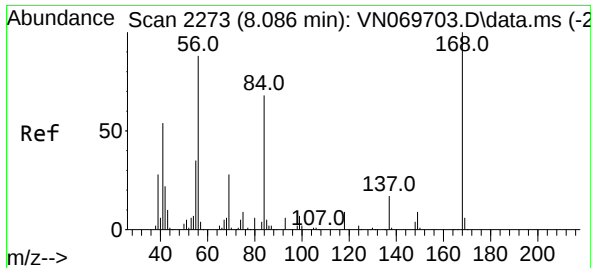
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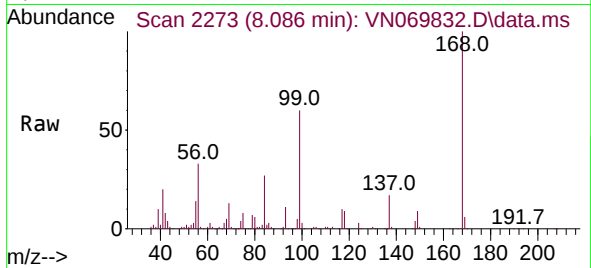
Reviewed By :John Carlone 12/08/2021
 Supervised By :Amit Patel 12/14/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069832.D
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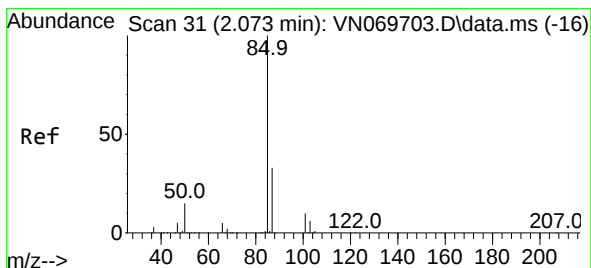
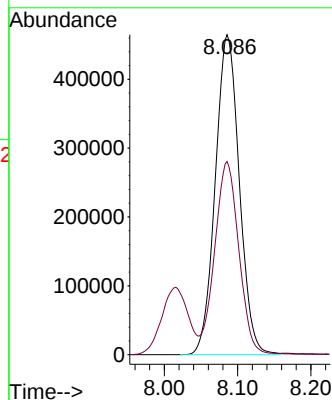
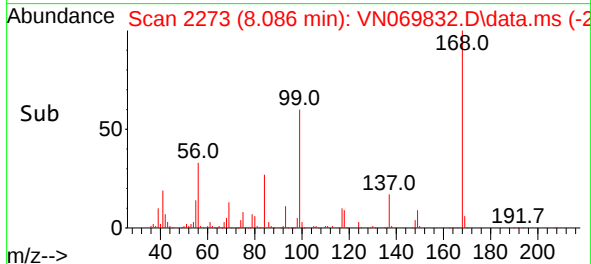
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



Tgt Ion:168 Resp: 105856
Ion Ratio Lower Upper
168 100
99 60.0 41.3 61.9

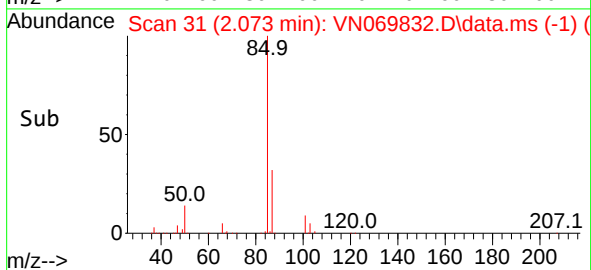
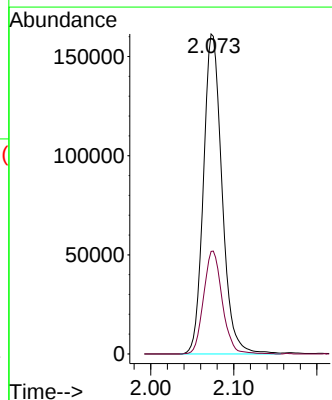
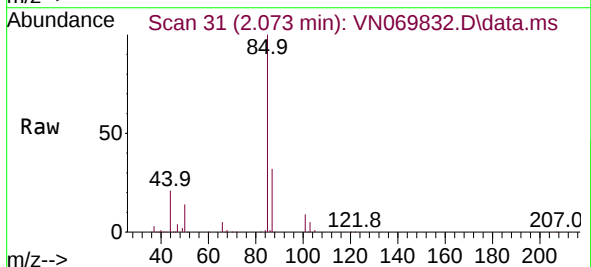
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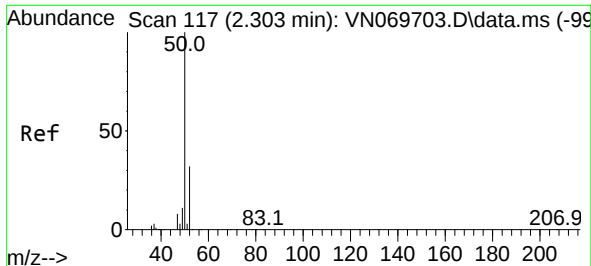
Reviewed By :John Carlone 12/08/2021
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#2
Dichlorodifluoromethane
Concen: 20.301 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

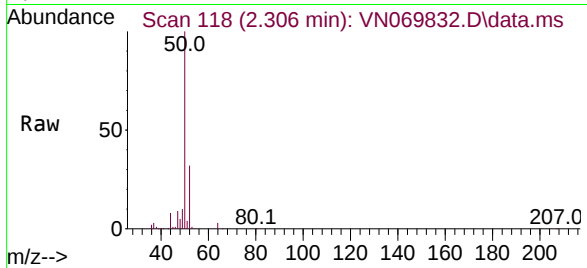
Tgt Ion: 85 Resp: 250653
Ion Ratio Lower Upper
85 100
87 32.1 16.3 48.9





#3
Chloromethane
Concen: 19.303 ug/l
RT: 2.306 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

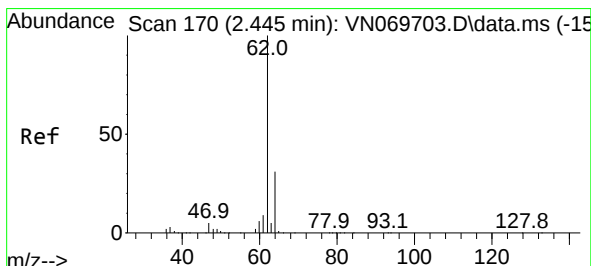
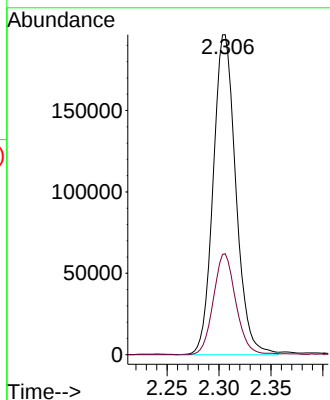
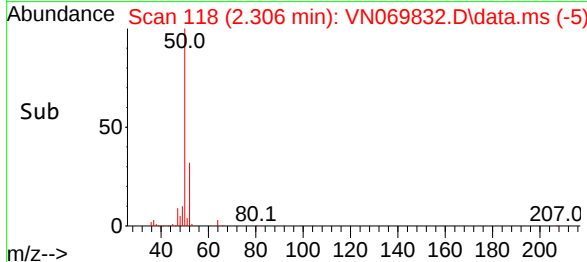
Instrument :
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Tgt Ion: 50 Resp: 298572
Ion Ratio Lower Upper
50 100
52 31.5 25.4 38.0

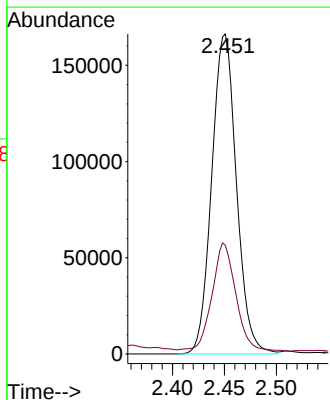
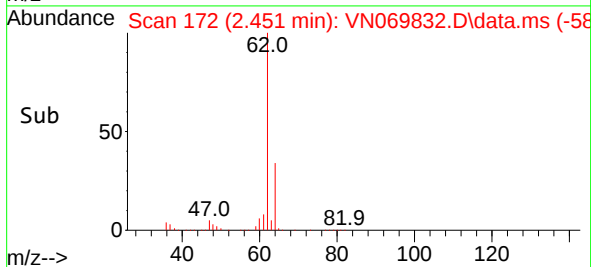
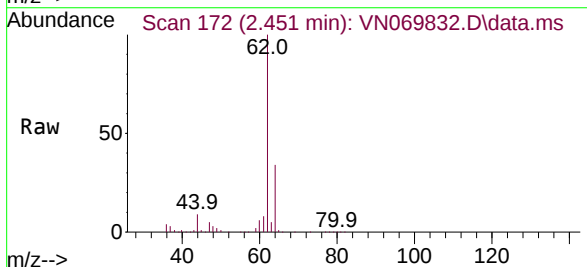
Manual Integrations
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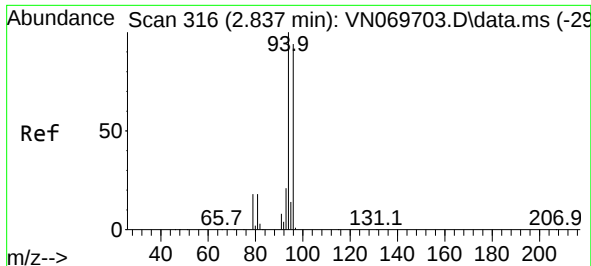
Reviewed By :John Carlone 12/08/2021
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#4
Vinyl Chloride
Concen: 19.391 ug/l
RT: 2.451 min Scan# 172
Delta R.T. 0.005 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

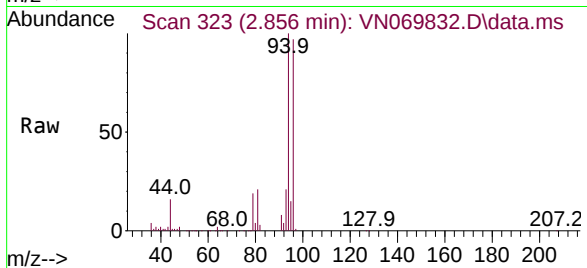
Tgt Ion: 62 Resp: 275799
Ion Ratio Lower Upper
62 100
64 32.8 25.8 38.6





#5
Bromomethane
Concen: 20.622 ug/l
RT: 2.856 min Scan# 316
Delta R.T. 0.019 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

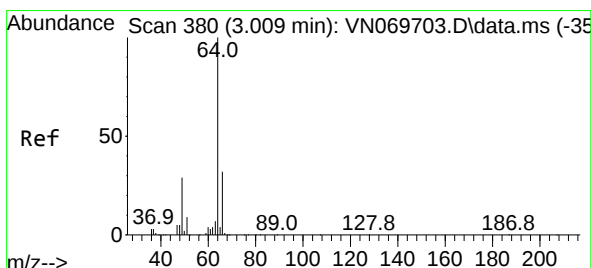
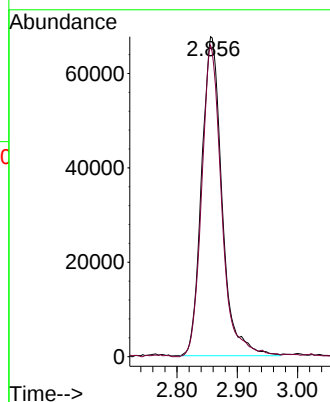
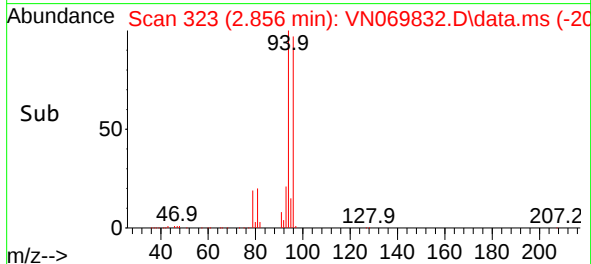
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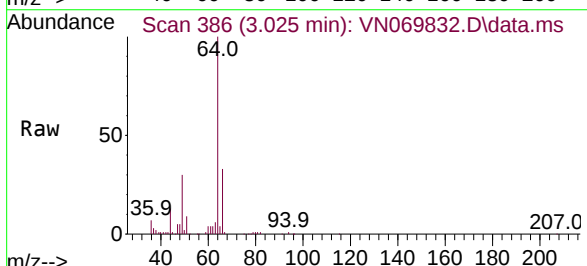
Tgt Ion: 94 Resp: 15934
Ion Ratio Lower Upper
94 100
96 97.6 73.8 110.8

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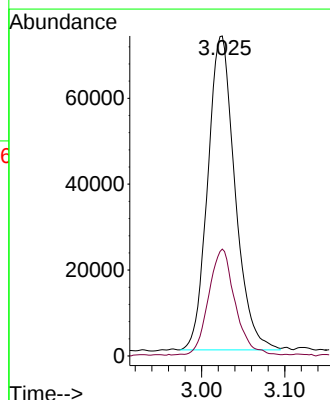
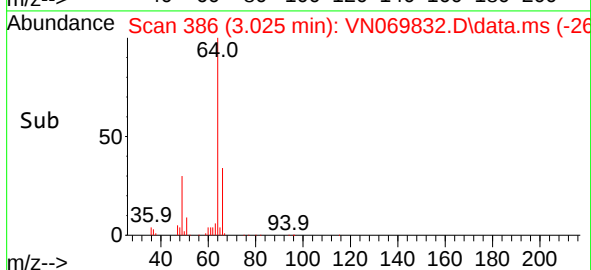
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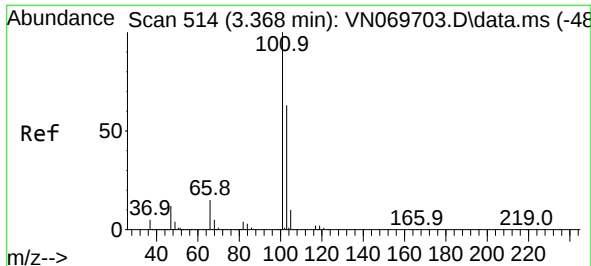


#6
Chloroethane
Concen: 19.132 ug/l
RT: 3.025 min Scan# 386
Delta R.T. 0.016 min
Lab File: VN069832.D
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Tgt Ion: 64 Resp: 166748
Ion Ratio Lower Upper
64 100
66 33.6 26.3 39.5





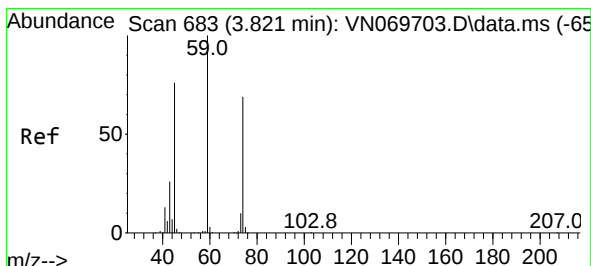
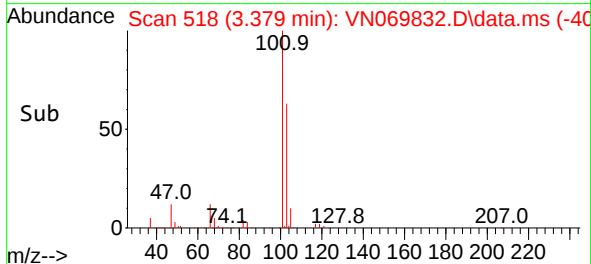
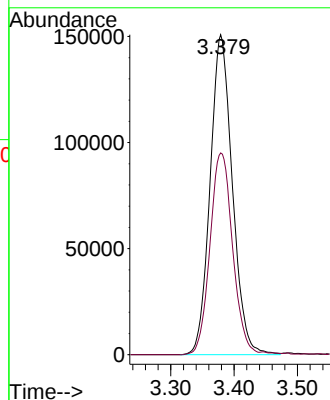
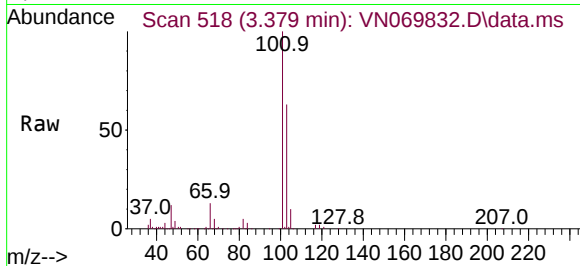
#7
 Trichlorofluoromethane
 Concen: 19.719 ug/l
 RT: 3.379 min Scan# 514
 Delta R.T. 0.011 min
 Lab File: VN069832.D
 Acq: 7 Dec 2021 23:53

Instrument :
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Tgt Ion:101 Resp: 368094
 Ion Ratio Lower Upper
 101 100
 103 63.0 50.1 75.1

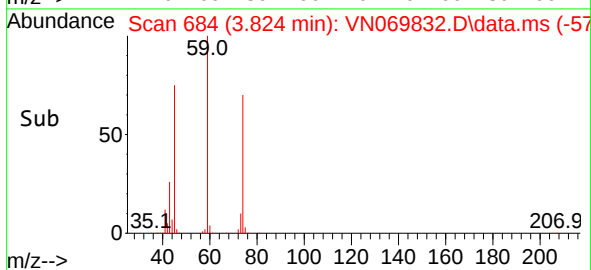
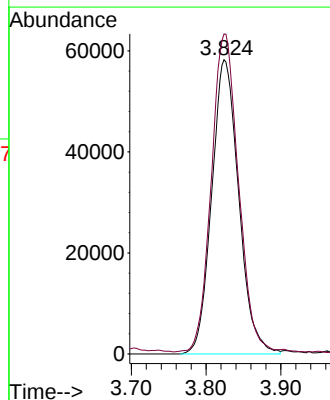
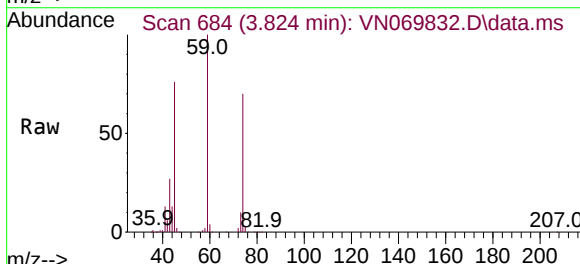
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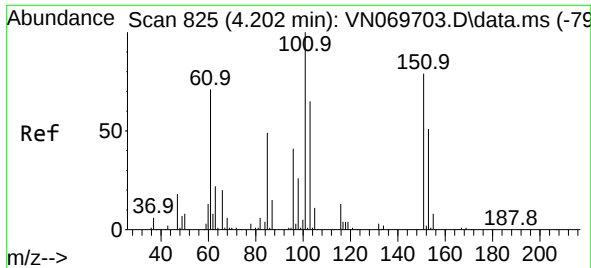
Reviewed By :John Carlone 12/08/2021
 Supervised By :Amit Patel 12/14/2021



#8
 Diethyl Ether
 Concen: 20.333 ug/l
 RT: 3.824 min Scan# 684
 Delta R.T. 0.003 min
 Lab File: VN069832.D
 Acq: 7 Dec 2021 23:53

Tgt Ion: 74 Resp: 146180
 Ion Ratio Lower Upper
 74 100
 45 107.9 47.0 141.2





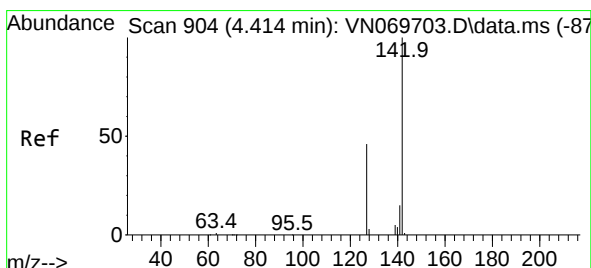
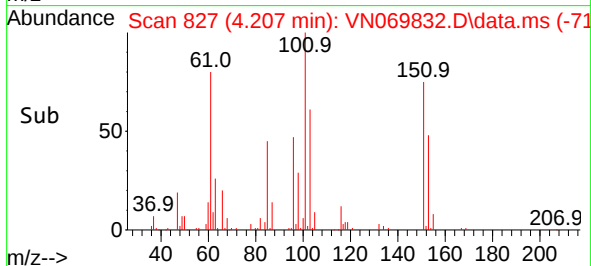
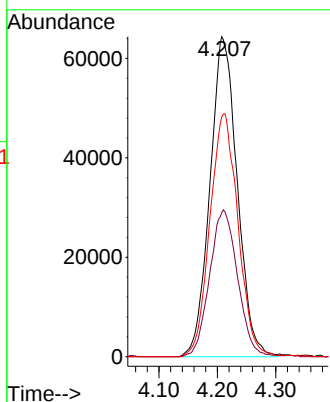
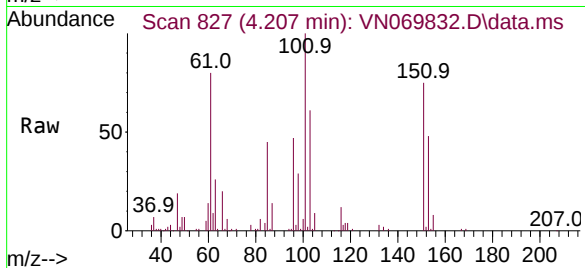
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.975 ug/l
RT: 4.207 min Scan# 81
Delta R.T. 0.005 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion:101 Resp: 209009
Ion Ratio Lower Upper
101 100
85 47.0 37.2 55.8
151 77.8 65.9 98.9

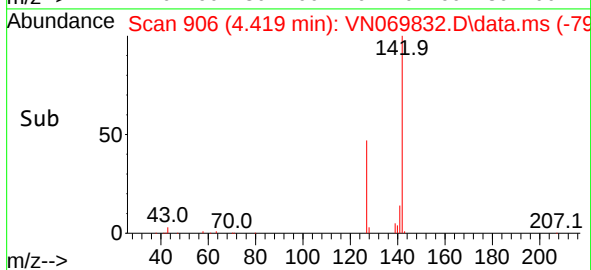
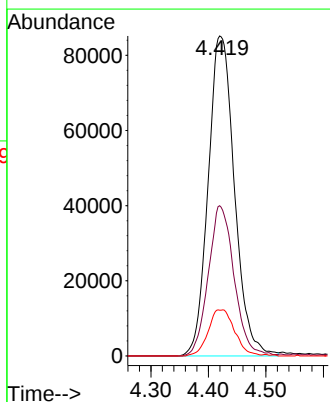
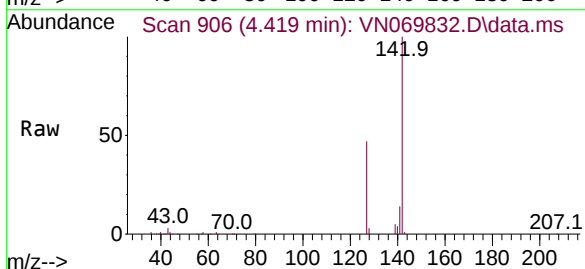
Manual Integrations
APPROVED

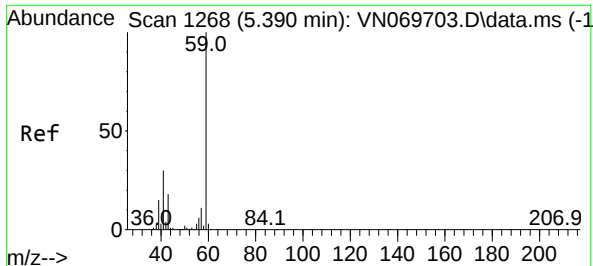
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#10
Methyl Iodide
Concen: 18.946 ug/l
RT: 4.419 min Scan# 906
Delta R.T. 0.005 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

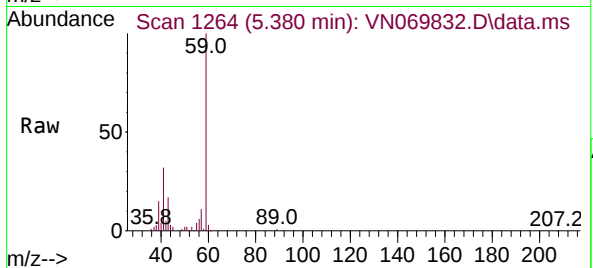
Tgt Ion:142 Resp: 270824
Ion Ratio Lower Upper
142 100
127 45.9 35.4 53.0
141 7.3 11.6 17.4#





#11
Tert butyl alcohol
Concen: 75.878 ug/l
RT: 5.380 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

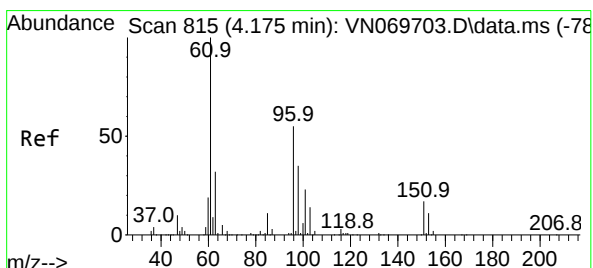
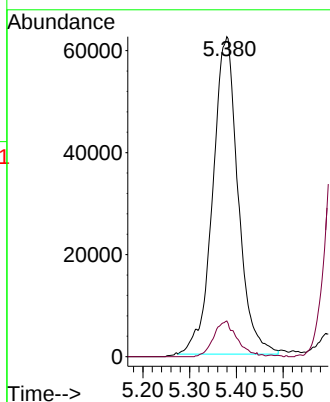
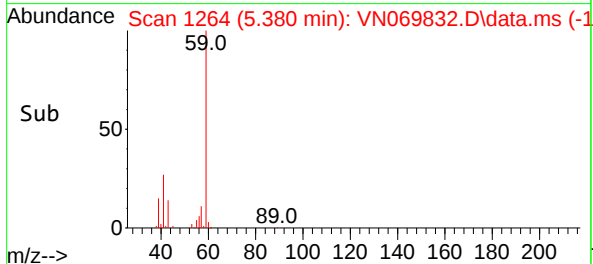
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



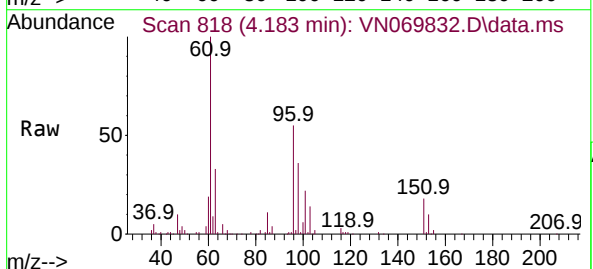
Tgt Ion: 59 Resp: 23442
Ion Ratio Lower Upper
59 100
57 10.3 8.7 13.1

Manual Integrations
APPROVED

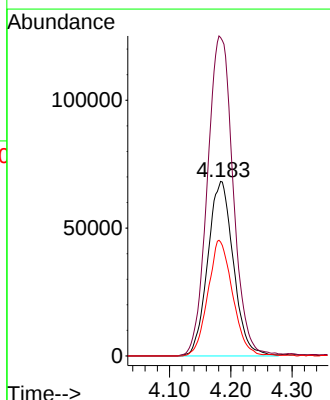
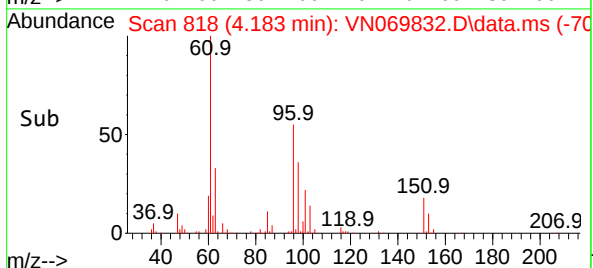
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

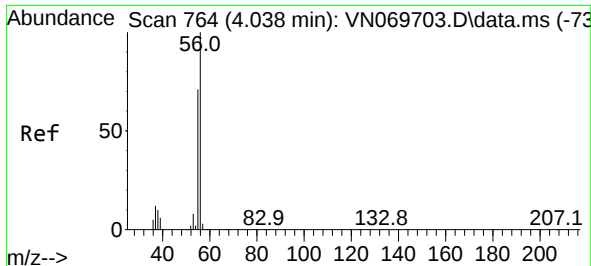


#12
1,1-Dichloroethene
Concen: 19.696 ug/l
RT: 4.183 min Scan# 818
Delta R.T. 0.008 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



Tgt Ion: 96 Resp: 198597
Ion Ratio Lower Upper
96 100
61 182.4 131.0 196.6
98 65.3 52.4 78.6





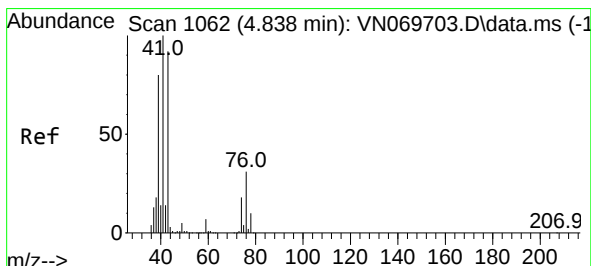
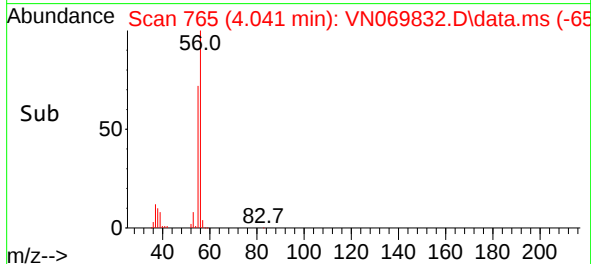
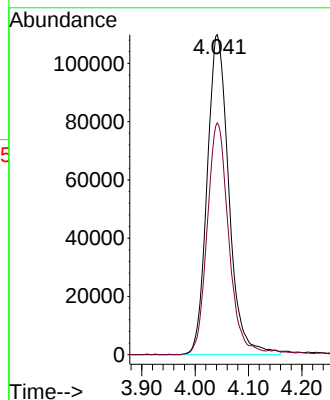
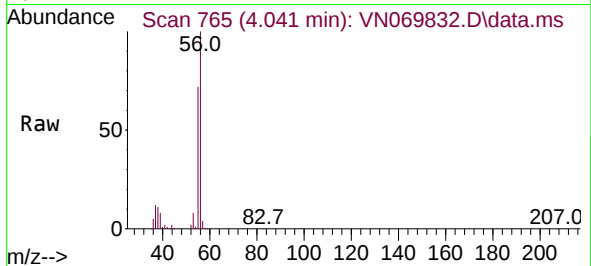
#13
Acrolein
Concen: 117.829 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion: 56 Resp: 31000
Ion Ratio Lower Upper
56 100
55 71.5 56.6 85.0

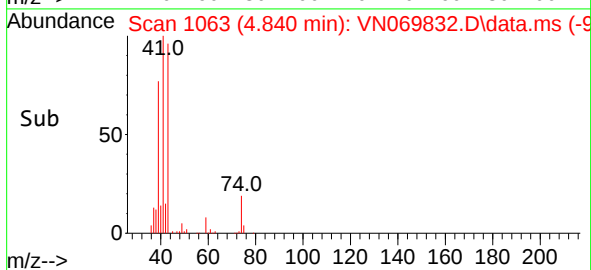
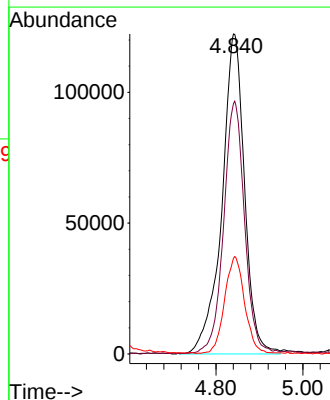
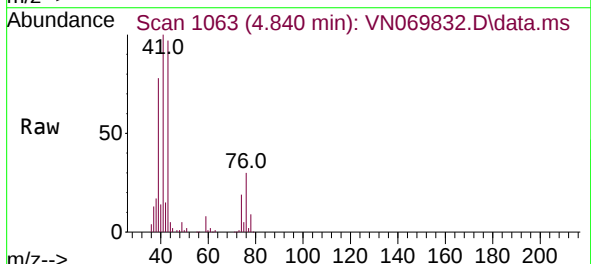
Manual Integrations
APPROVED

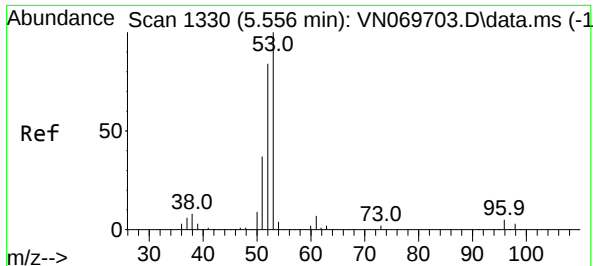
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#14
Allyl chloride
Concen: 19.484 ug/l
RT: 4.840 min Scan# 1063
Delta R.T. 0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

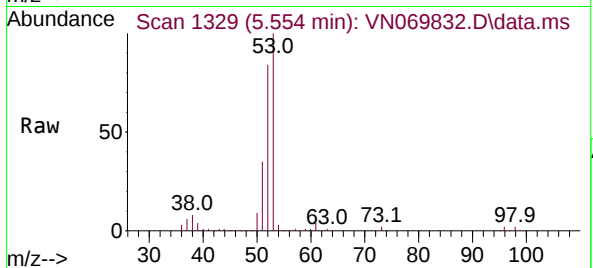
Tgt Ion: 41 Resp: 442690
Ion Ratio Lower Upper
41 100
39 72.5 61.2 91.8
76 26.5 26.0 39.0





#15
Acrylonitrile
Concen: 91.366 ug/l
RT: 5.554 min Scan# 11
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

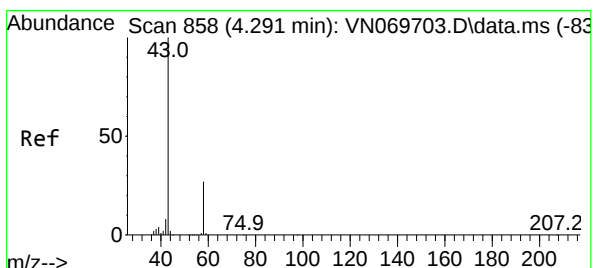
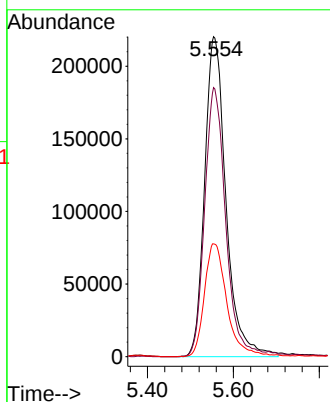
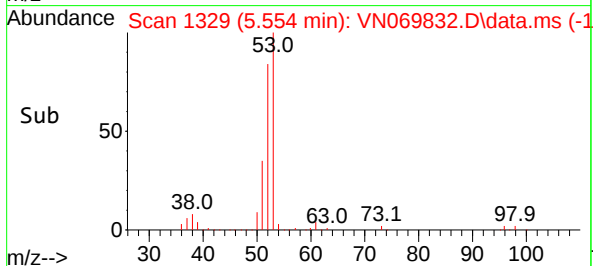
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



Tgt Ion: 53 Resp: 760629
Ion Ratio Lower Upper
53 100
52 82.6 66.2 99.2
51 36.9 29.6 44.4

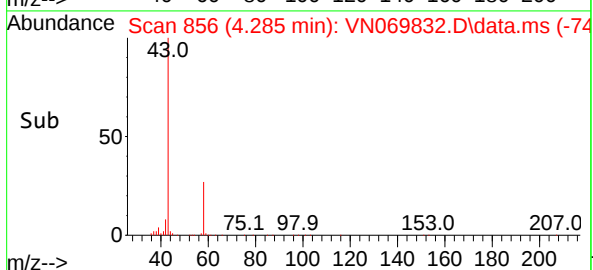
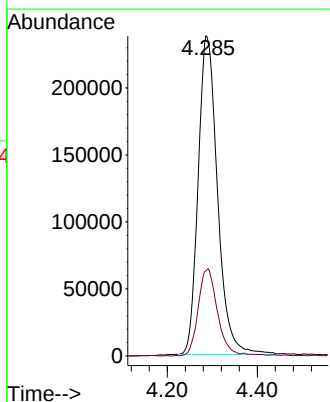
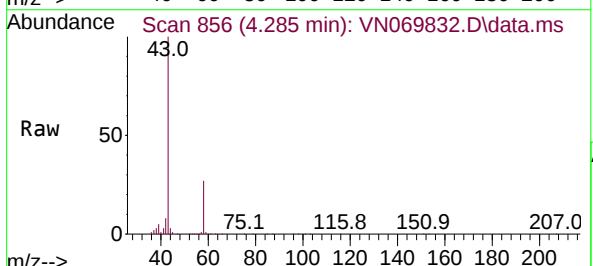
Manual Integrations
APPROVED

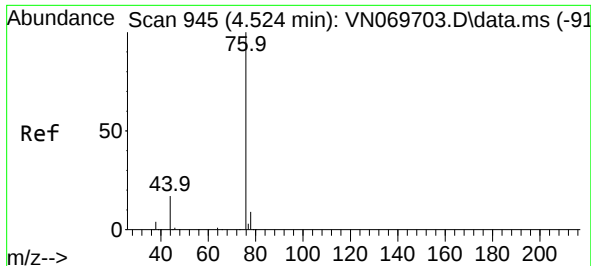
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#16
Acetone
Concen: 72.245 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.005 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

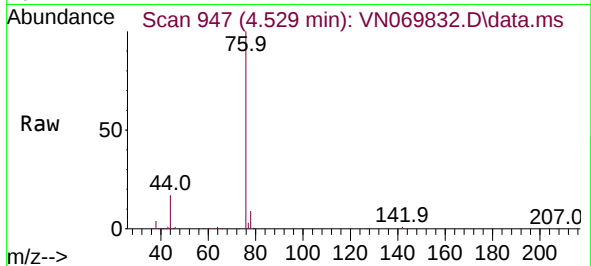
Tgt Ion: 43 Resp: 710298
Ion Ratio Lower Upper
43 100
58 26.6 23.1 34.7





#17
Carbon Disulfide
Concen: 18.916 ug/l
RT: 4.529 min Scan# 945
Delta R.T. 0.005 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

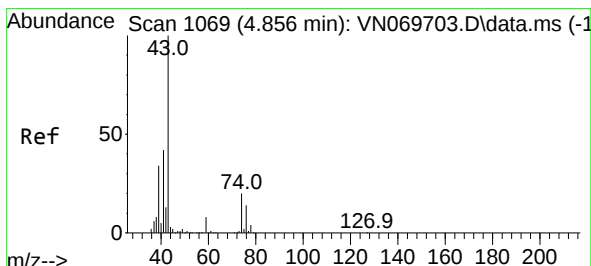
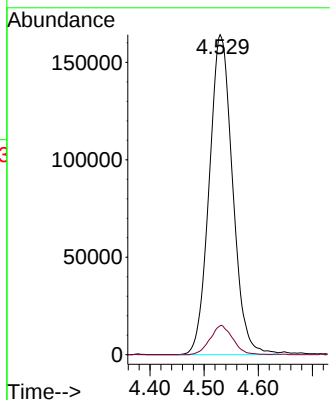
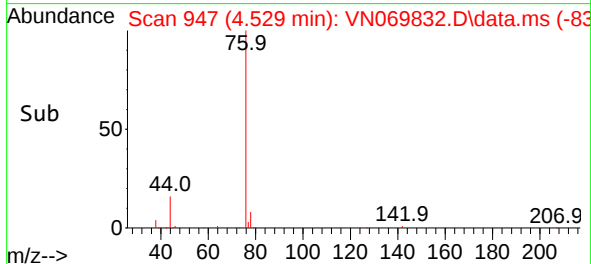
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



Tgt Ion: 76 Resp: 492760
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3

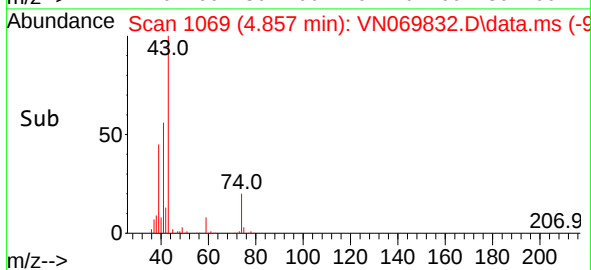
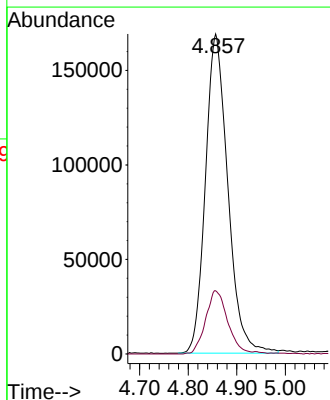
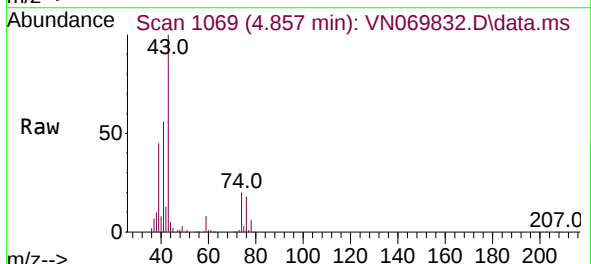
Manual Integrations
APPROVED

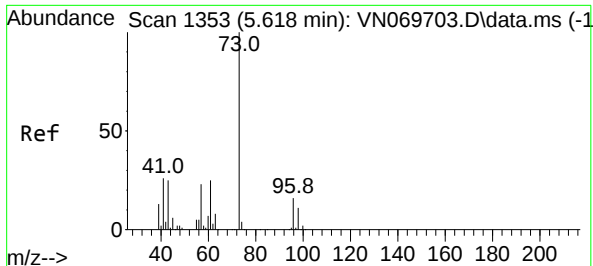
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#18
Methyl Acetate
Concen: 18.248 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Tgt Ion: 43 Resp: 541548
Ion Ratio Lower Upper
43 100
74 19.5 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 20.031 ug/l

RT: 5.615 min Scan# 1157

Delta R.T. -0.003 min

Lab File: VN069832.D

Acq: 7 Dec 2021 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 73 Resp: 785328

Ion Ratio Lower Upper

73 100

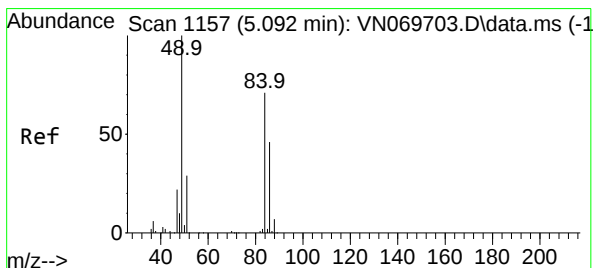
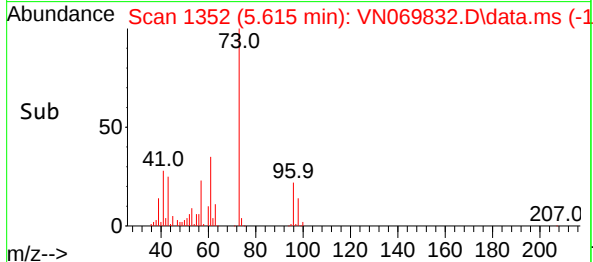
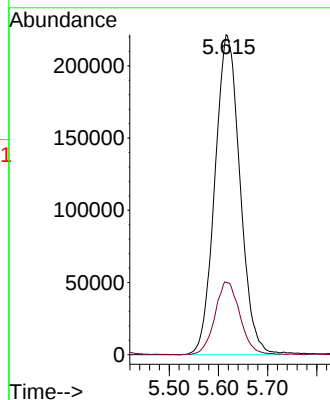
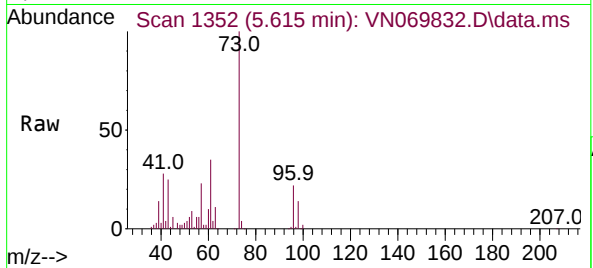
57 22.7 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#20

Methylene Chloride

Concen: 19.009 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.003 min

Lab File: VN069832.D

Acq: 7 Dec 2021 23:53

Tgt Ion: 84 Resp: 248456

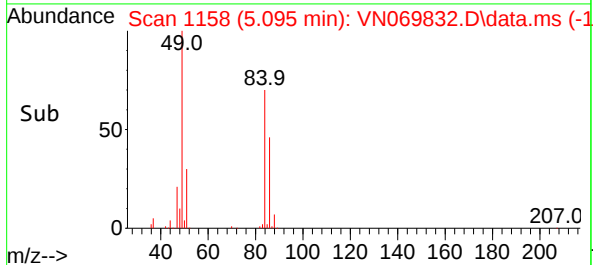
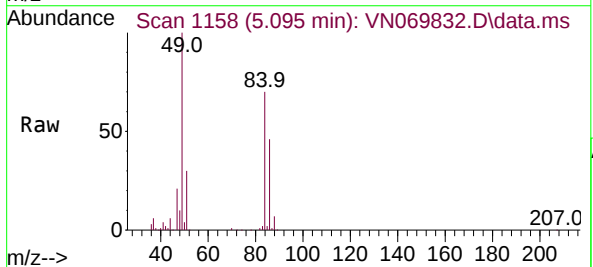
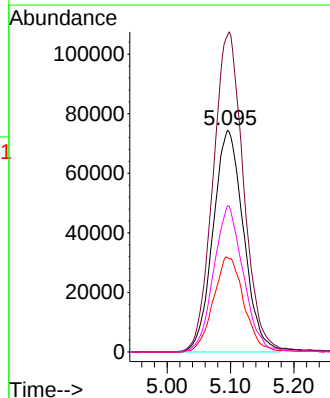
Ion Ratio Lower Upper

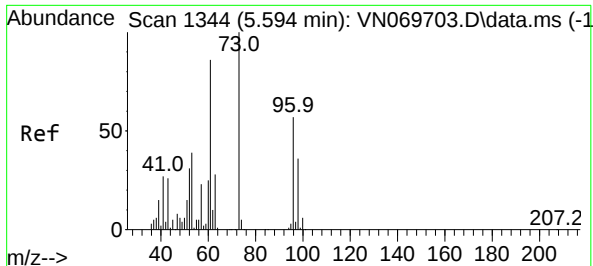
84 100

49 142.5 93.5 140.3#

51 42.5 29.4 44.2

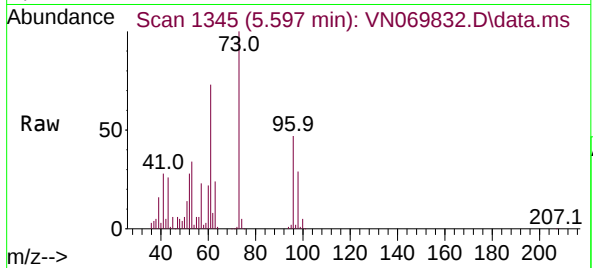
86 65.7 53.0 79.4





#21
trans-1,2-Dichloroethene
Concen: 19.311 ug/l
RT: 5.597 min Scan# 111
Delta R.T. 0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

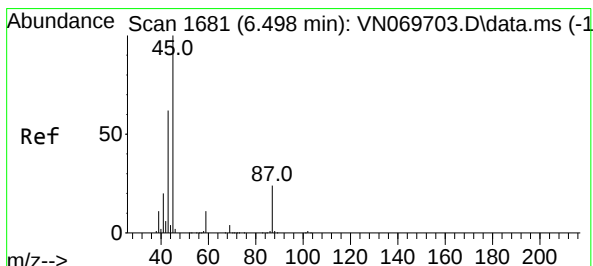
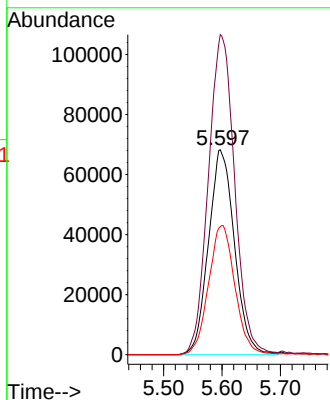
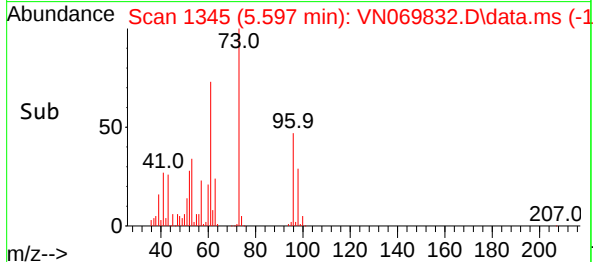
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



Tgt Ion: 96 Resp: 21149
Ion Ratio Lower Upper
96 100
61 156.1 105.8 158.6
98 62.4 52.0 78.0

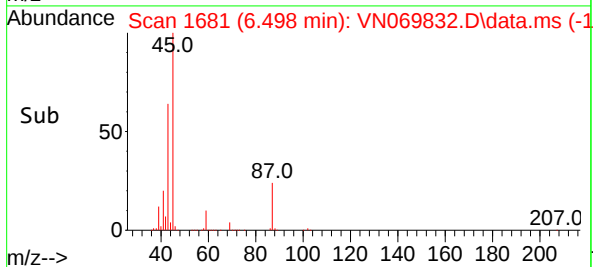
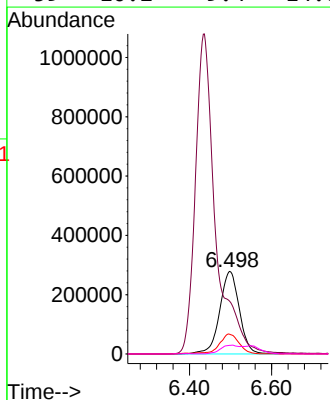
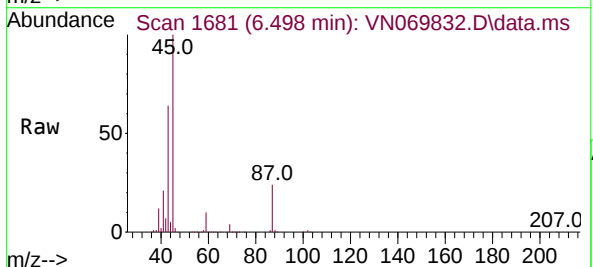
Manual Integrations
APPROVED

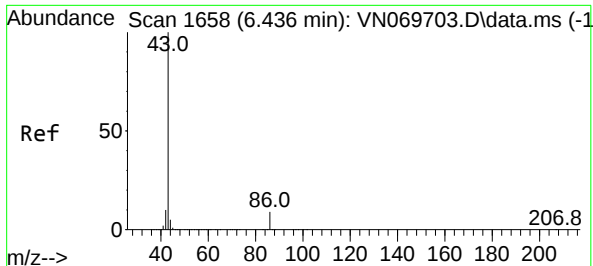
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#22
Diisopropyl ether
Concen: 20.809 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

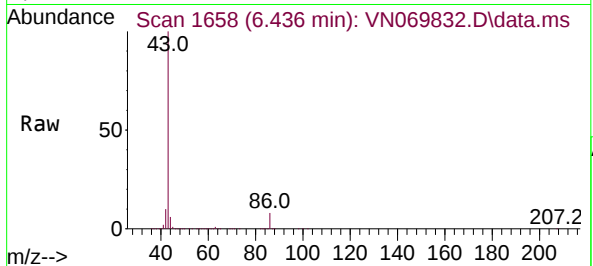
Tgt Ion: 45 Resp: 924147
Ion Ratio Lower Upper
45 100
43 62.8 51.7 77.5
87 23.8 23.2 34.8
59 10.2 9.4 14.0





#23
 Vinyl Acetate
 Concen: 101.741 ug/l
 RT: 6.436 min Scan# 1658
 Delta R.T. 0.000 min
 Lab File: VN069832.D
 Acq: 7 Dec 2021 23:53

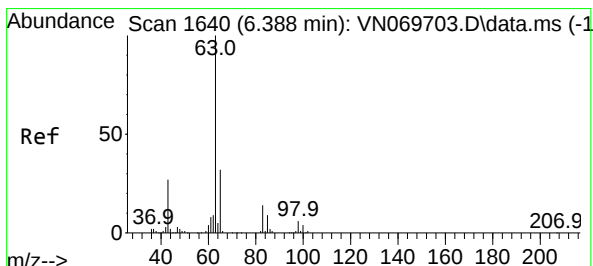
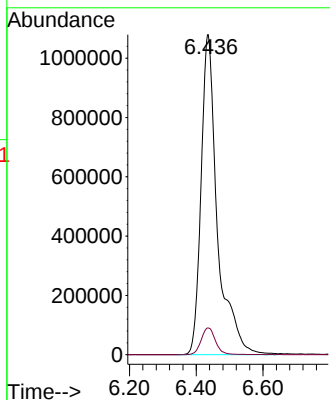
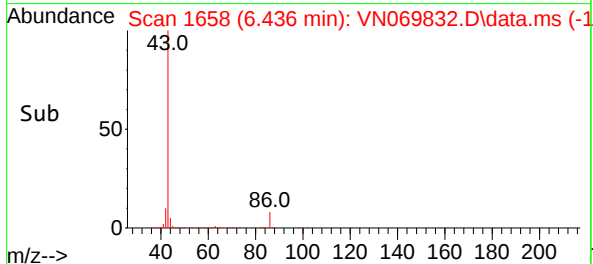
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02



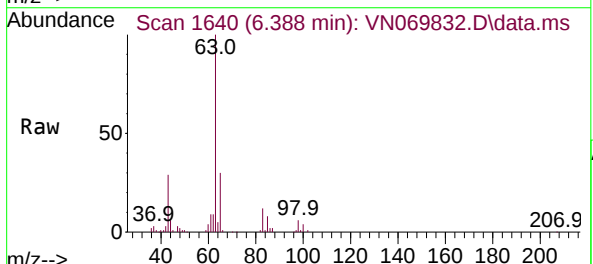
Tgt Ion: 43 Resp: 367593
 Ion Ratio Lower Upper
 43 100
 86 8.3 8.5 12.7

Manual Integrations
 APPROVED

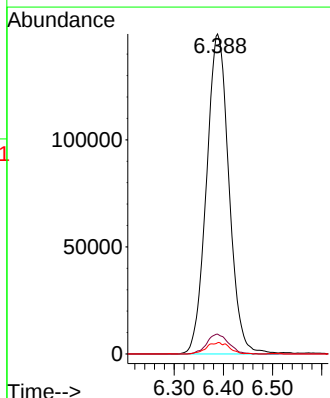
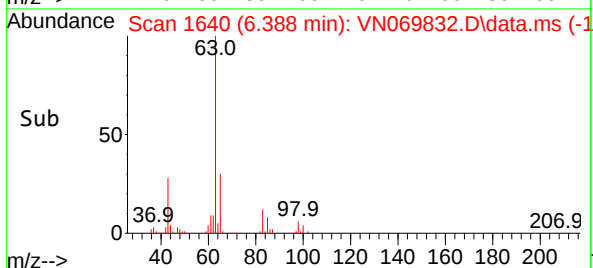
Reviewed By :John Carlone 12/08/2021
 Supervised By :Amit Patel 12/14/2021



#24
 1,1-Dichloroethane
 Concen: 20.572 ug/l
 RT: 6.388 min Scan# 1640
 Delta R.T. 0.000 min
 Lab File: VN069832.D
 Acq: 7 Dec 2021 23:53



Tgt Ion: 63 Resp: 473246
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.3 9.9
 100 3.5 2.1 6.5





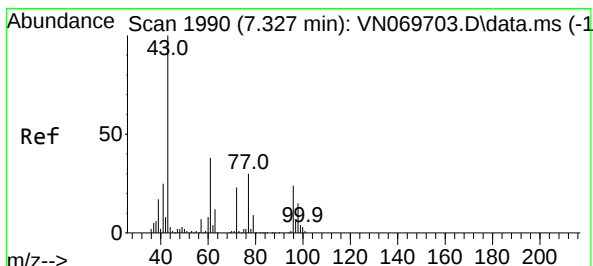
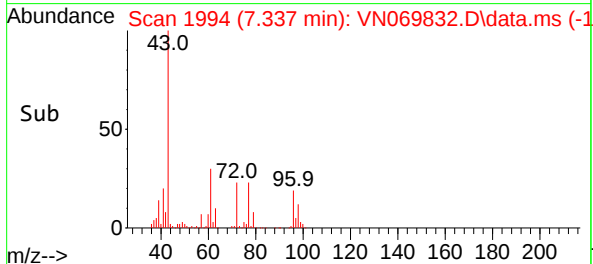
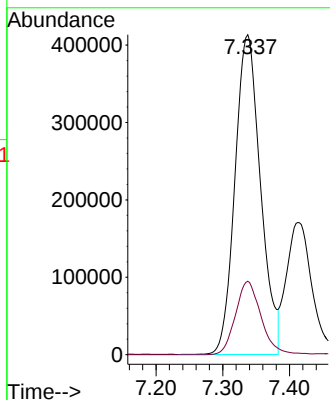
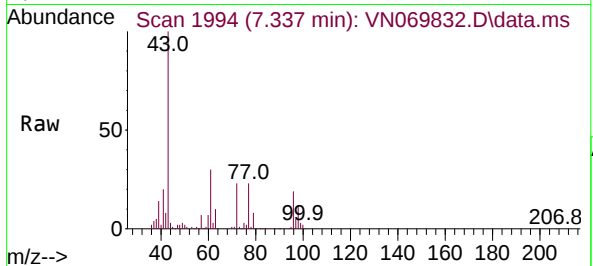
#25
2-Butanone
Concen: 82.267 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion: 43 Resp: 109896
Ion Ratio Lower Upper
43 100
72 23.0 21.7 32.5

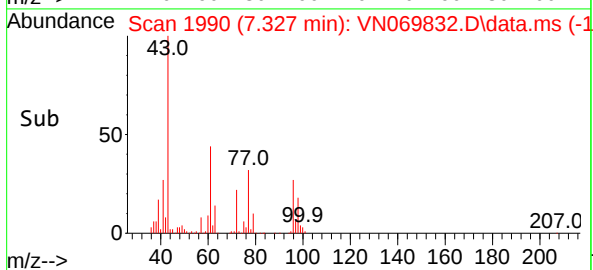
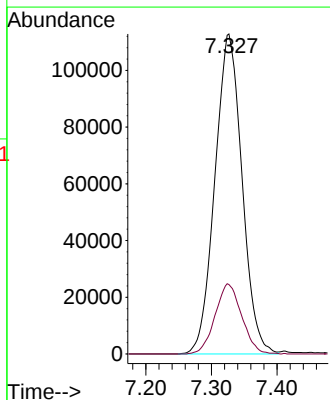
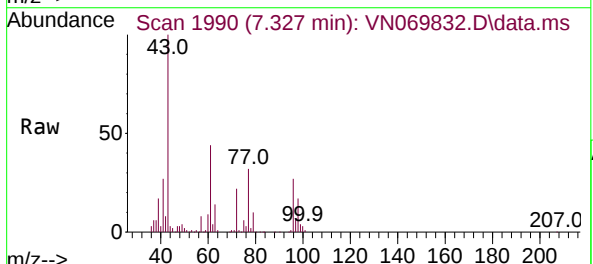
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#26
2,2-Dichloropropane
Concen: 18.132 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

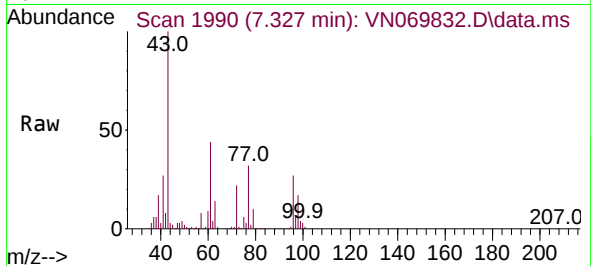
Tgt Ion: 77 Resp: 324325
Ion Ratio Lower Upper
77 100
97 21.5 11.6 34.8





#27
cis-1,2-Dichloroethene
Concen: 19.604 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

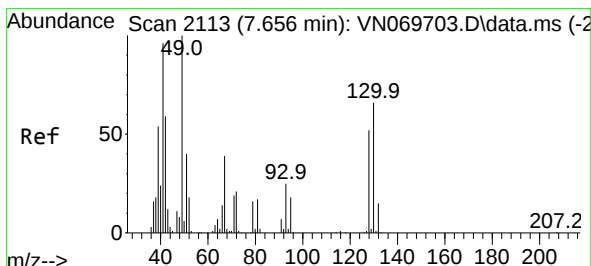
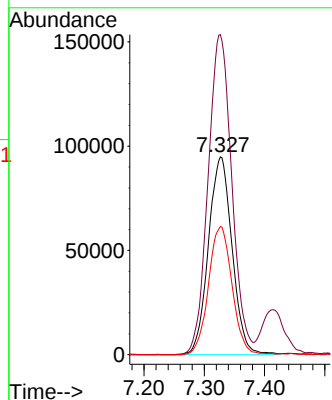
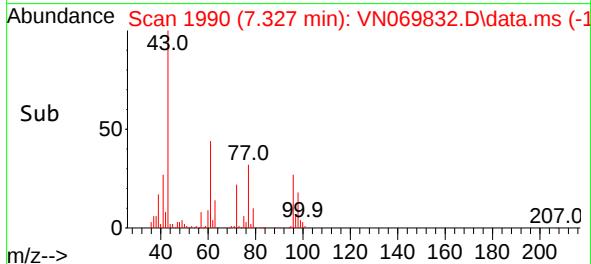
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



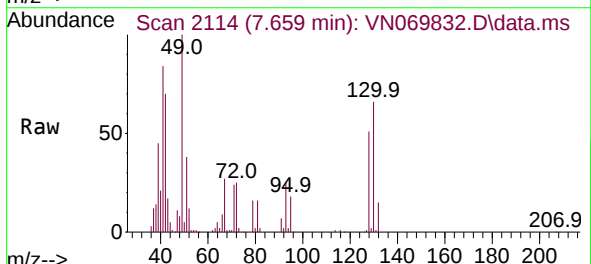
Tgt Ion: 96 Resp: 259399
Ion Ratio Lower Upper
96 100
61 162.3 0.0 275.0
98 64.2 0.0 129.6

Manual Integrations
APPROVED

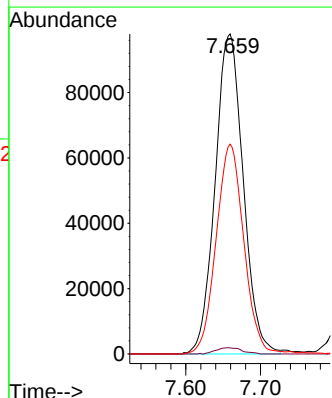
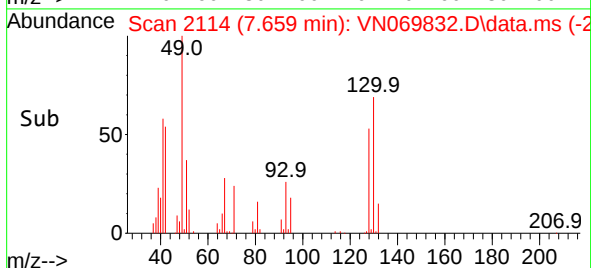
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

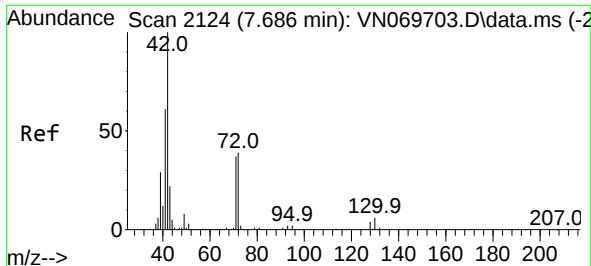


#28
Bromochloromethane
Concen: 21.362 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



Tgt Ion: 49 Resp: 255549
Ion Ratio Lower Upper
49 100
129 1.8 0.0 4.0
130 64.5 67.8 101.8#





#29

Tetrahydrofuran

Concen: 89.620 ug/l

RT: 7.686 min Scan# 2124

Delta R.T. 0.000 min

Lab File: VN069832.D

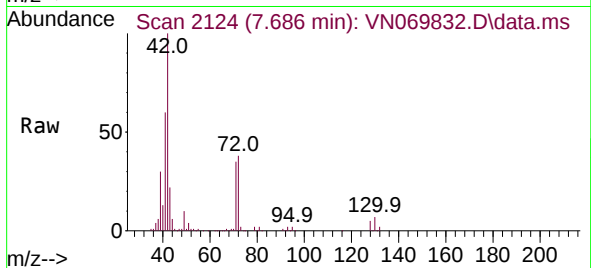
Acq: 7 Dec 2021 23:53

Instrument :

MSVOA_N

ClientSampleId :

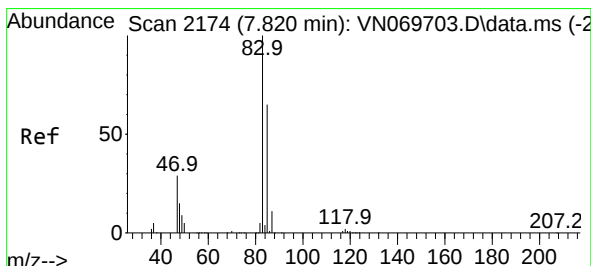
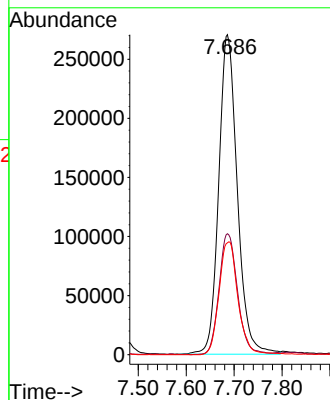
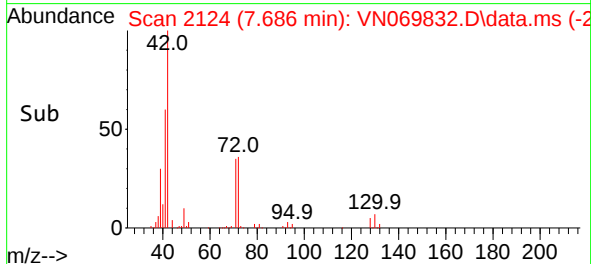
VN1207WBSD02



Tgt Ion:	42	Resp:	726964
Ion	Ratio	Lower	Upper
42	100		
72	37.9	36.3	54.5
71	36.1	34.7	52.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#30

Chloroform

Concen: 20.289 ug/l

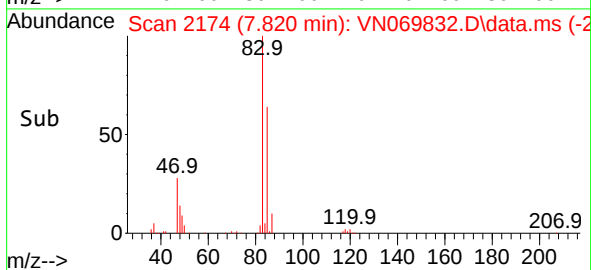
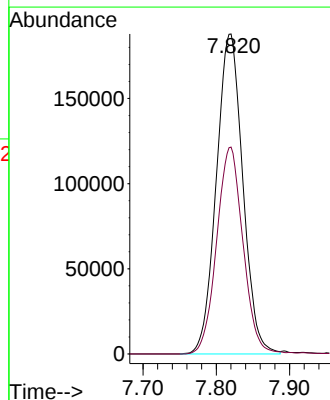
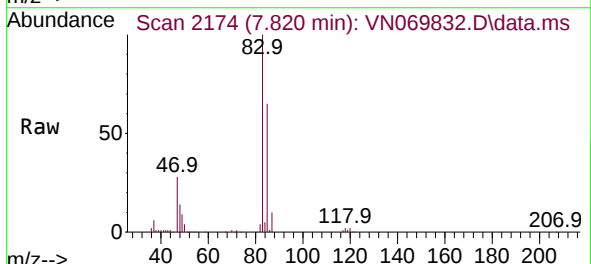
RT: 7.820 min Scan# 2174

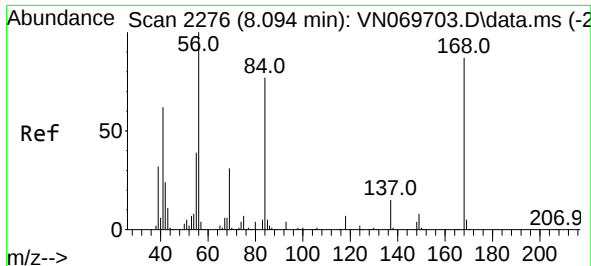
Delta R.T. 0.000 min

Lab File: VN069832.D

Acq: 7 Dec 2021 23:53

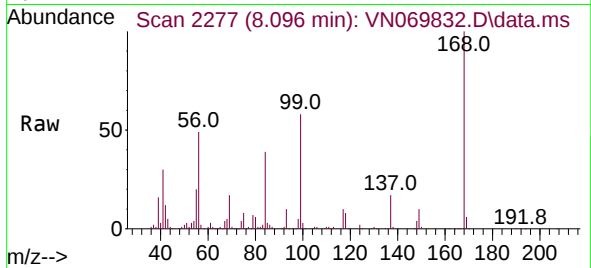
Tgt Ion:	83	Resp:	471375
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.9	77.9





#31
Cyclohexane
Concen: 20.038 ug/l
RT: 8.096 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

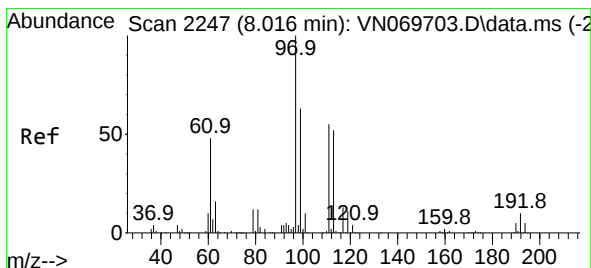
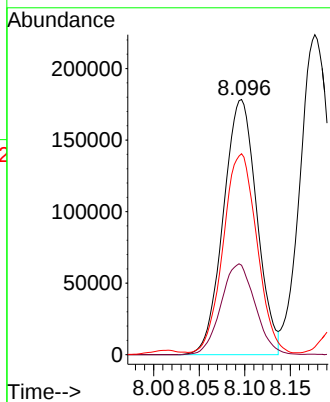
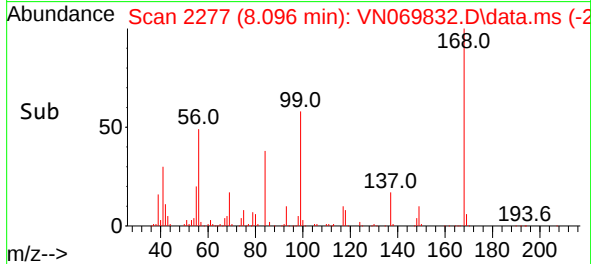
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



Tgt Ion: 56 Resp: 455760
Ion Ratio Lower Upper
56 100
69 35.1 27.1 40.7
84 77.6 73.4 110.0

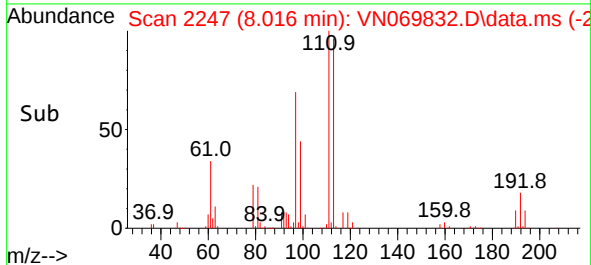
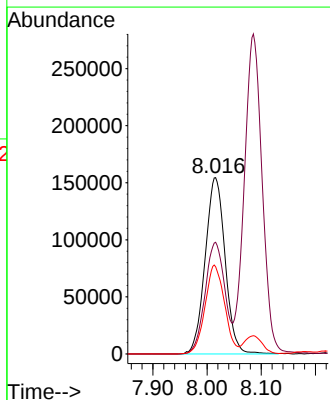
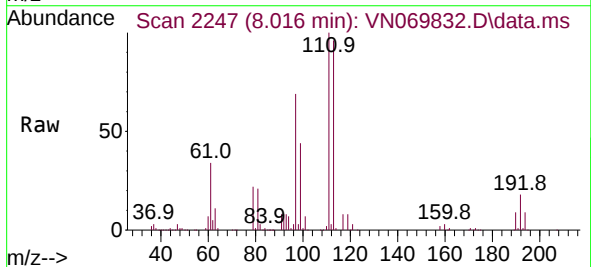
Manual Integrations
APPROVED

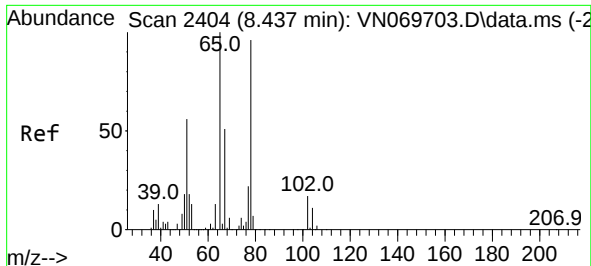
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#32
1,1,1-Trichloroethane
Concen: 20.053 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Tgt Ion: 97 Resp: 396856
Ion Ratio Lower Upper
97 100
99 63.0 50.1 75.1
61 49.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 51.459 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069832.D

Acq: 7 Dec 2021 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 65 Resp: 84105

Ion Ratio Lower Upper

65 100

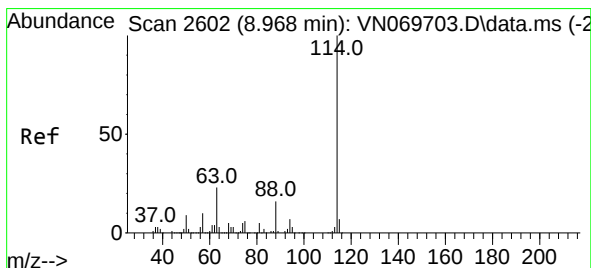
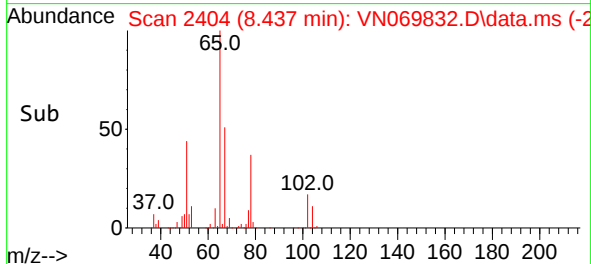
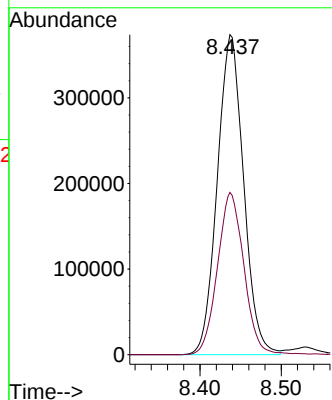
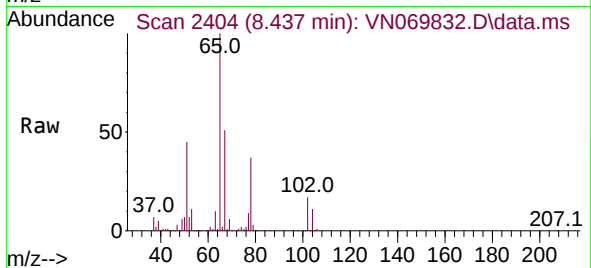
67 50.8 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069832.D

Acq: 7 Dec 2021 23:53

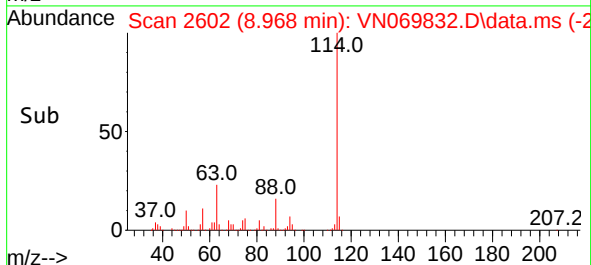
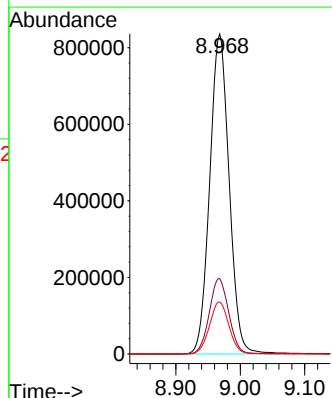
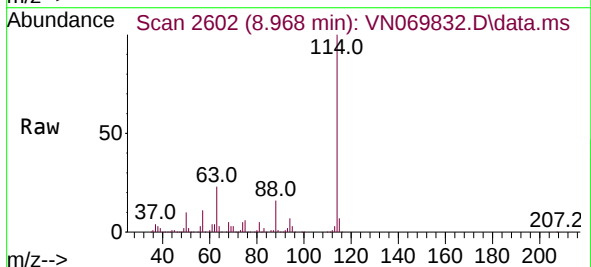
Tgt Ion:114 Resp: 1747018

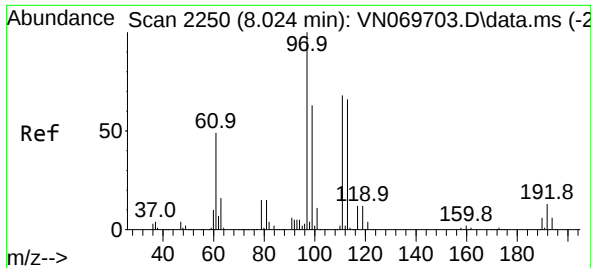
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

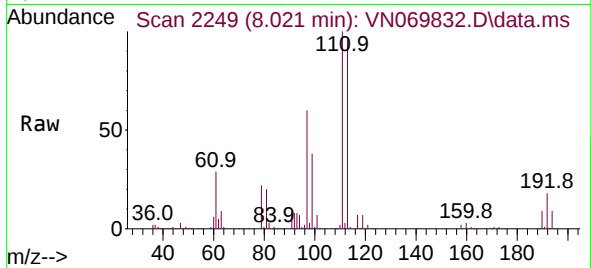
88 16.2 0.0 27.4





#35
Dibromofluoromethane
Concen: 52.140 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

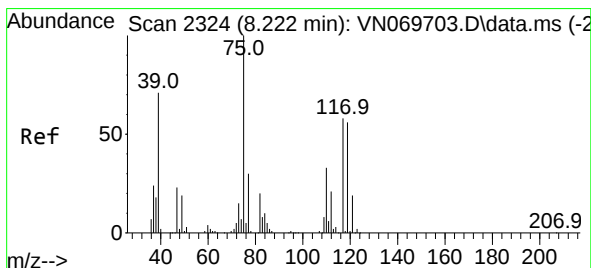
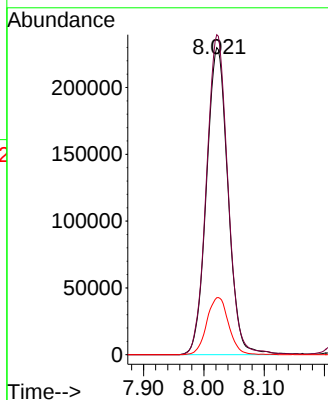
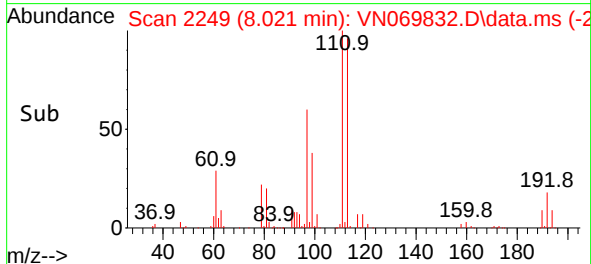
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



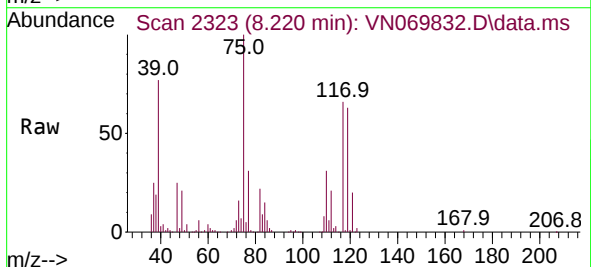
Tgt Ion:113 Resp: 570560
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 18.8 16.9 25.3

Manual Integrations
APPROVED

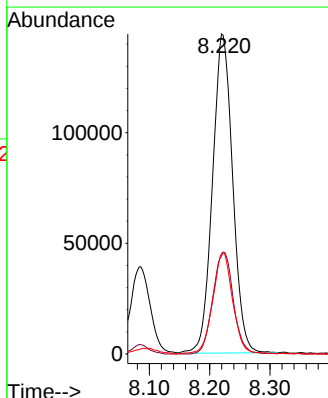
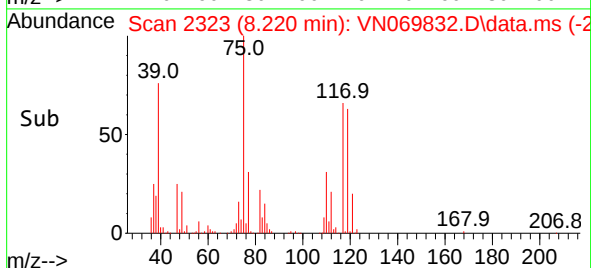
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

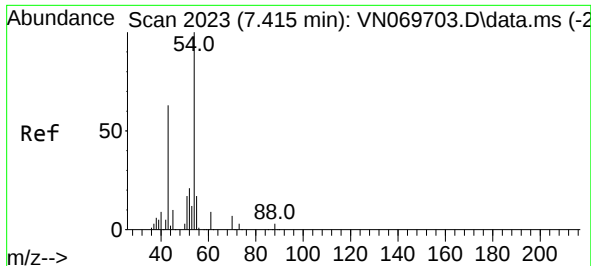


#36
1,1-Dichloropropene
Concen: 20.155 ug/l
RT: 8.220 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



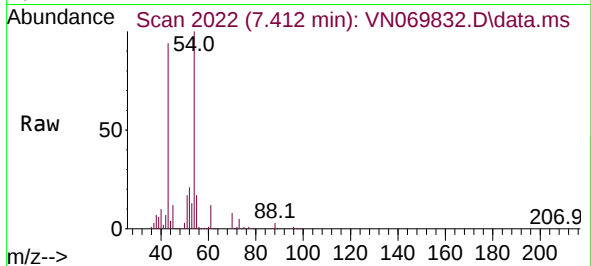
Tgt Ion: 75 Resp: 335193
Ion Ratio Lower Upper
75 100
110 32.3 18.4 55.2
77 31.5 24.4 36.6





#37
Ethyl Acetate
Concen: 18.100 ug/l
RT: 7.412 min Scan# 2022
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

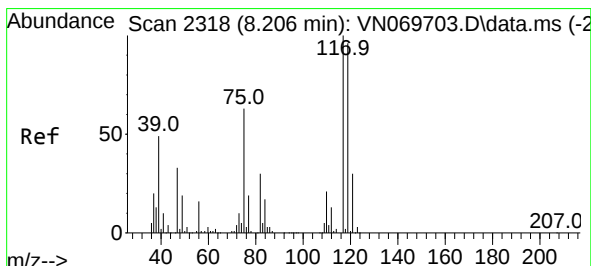
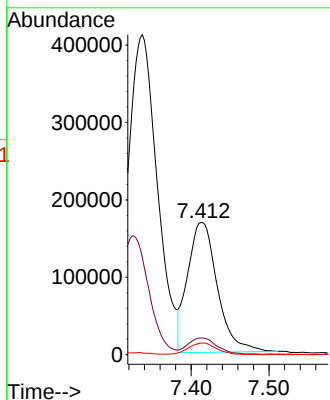
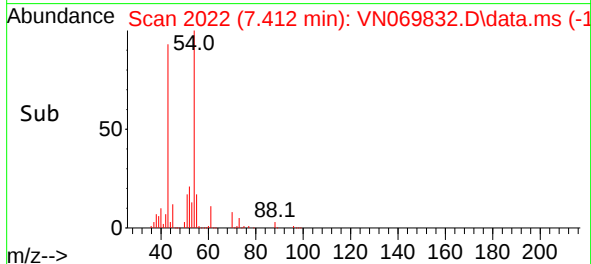
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



Tgt Ion: 43 Resp: 448024
Ion Ratio Lower Upper
43 100
61 11.8 11.5 17.3
70 8.1 7.9 11.9

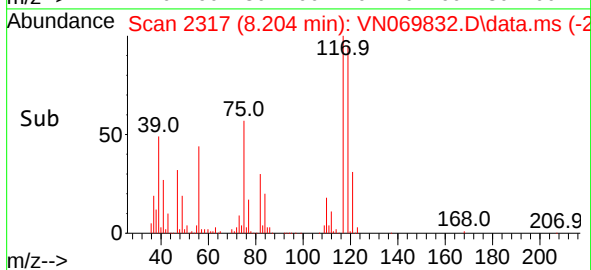
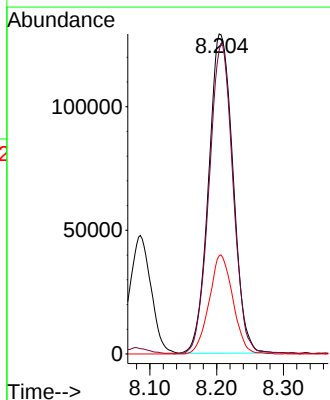
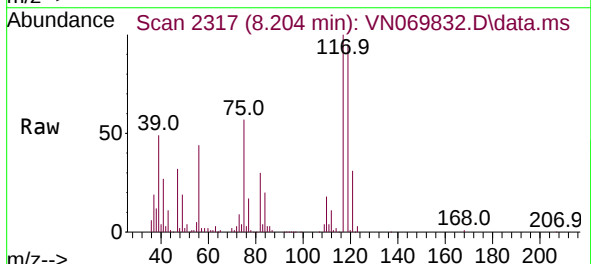
Manual Integrations
APPROVED

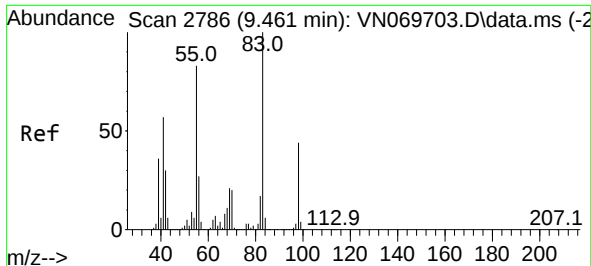
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#38
Carbon Tetrachloride
Concen: 20.080 ug/l
RT: 8.204 min Scan# 2317
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Tgt Ion:117 Resp: 327474
Ion Ratio Lower Upper
117 100
119 95.1 76.1 114.1
121 30.8 24.2 36.2





#39

Methylcyclohexane

Concen: 19.731 ug/l

RT: 9.459 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN069832.D

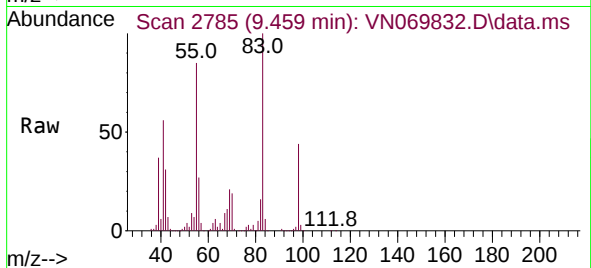
Acq: 7 Dec 2021 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

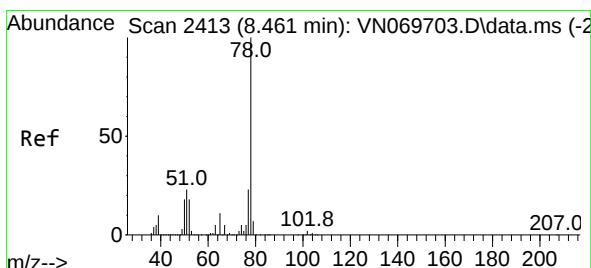
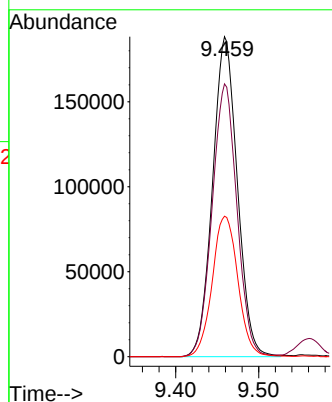
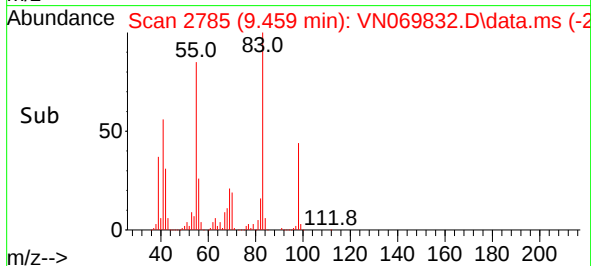


Tgt Ion:	83	Resp:	390329
Ion	Ratio	Lower	Upper
83	100		
55	85.2	58.1	87.1
98	43.9	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#40

Benzene

Concen: 20.303 ug/l

RT: 8.458 min Scan# 2412

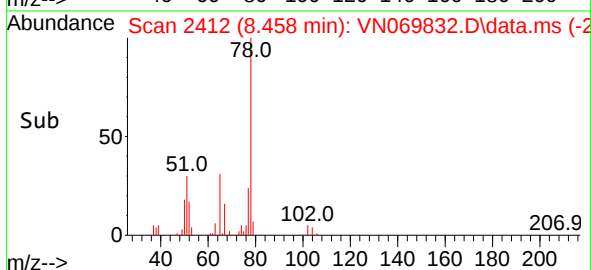
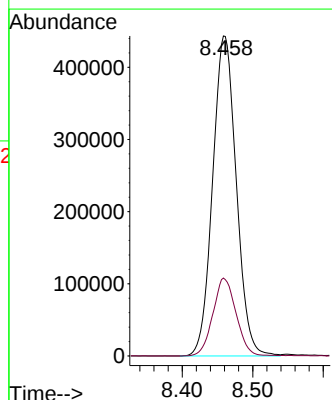
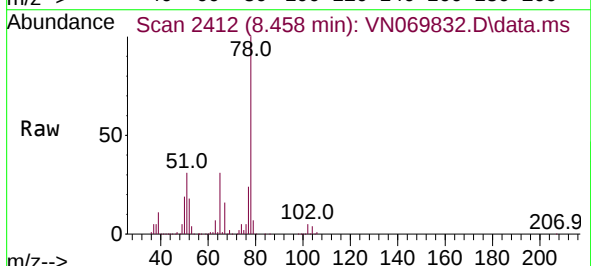
Delta R.T. -0.003 min

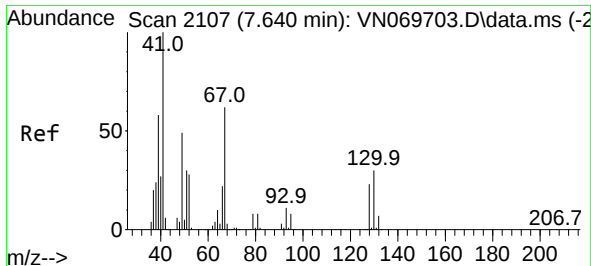
Lab File: VN069832.D

Acq: 7 Dec 2021 23:53

Tgt Ion: 78 Resp: 1032083

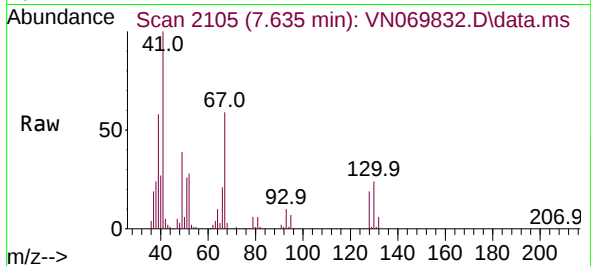
Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.6	27.8





#41
Methacrylonitrile
Concen: 18.822 ug/l
RT: 7.635 min Scan# 2107
Delta R.T. -0.005 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

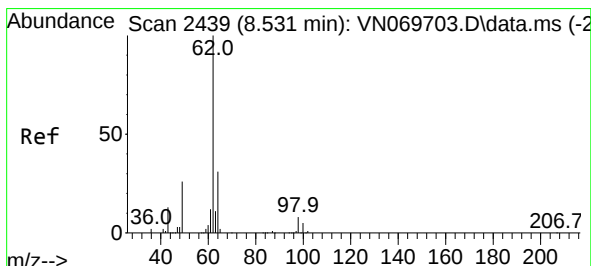
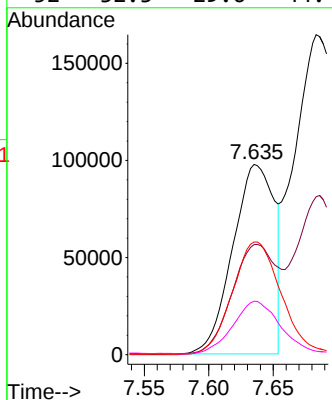
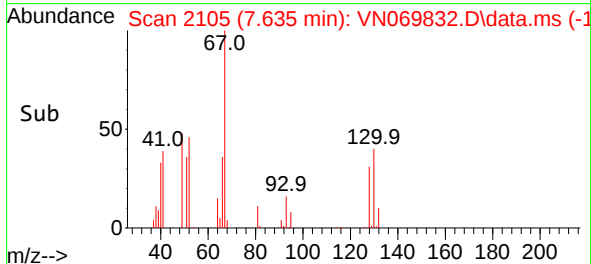
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



Tgt Ion: 41 Resp: 21871
Ion Ratio Lower Upper
41 100
39 64.9 48.1 72.1
67 71.2 68.3 102.5
52 32.3 29.6 44.4

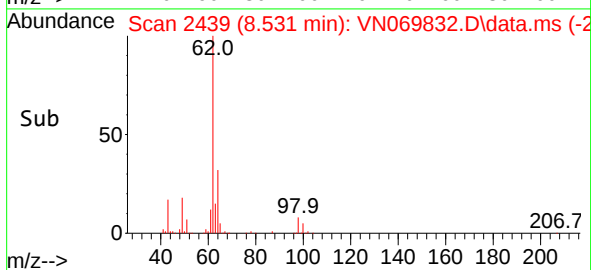
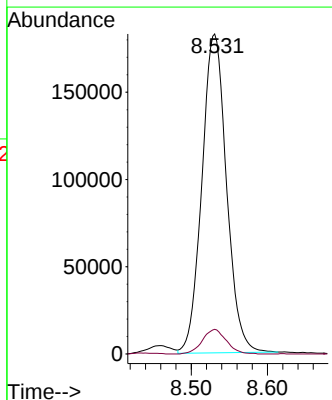
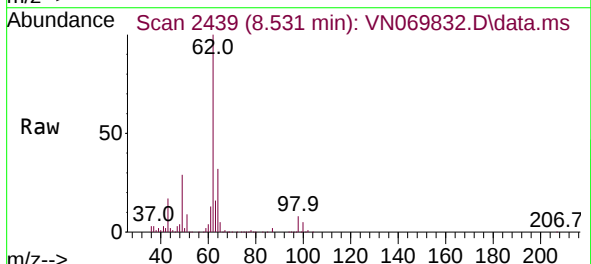
Manual Integrations
APPROVED

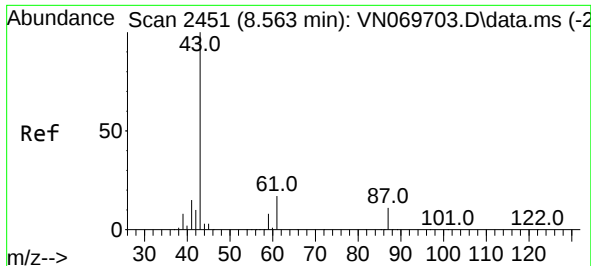
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#42
1,2-Dichloroethane
Concen: 19.987 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Tgt Ion: 62 Resp: 410144
Ion Ratio Lower Upper
62 100
98 7.6 0.0 17.6





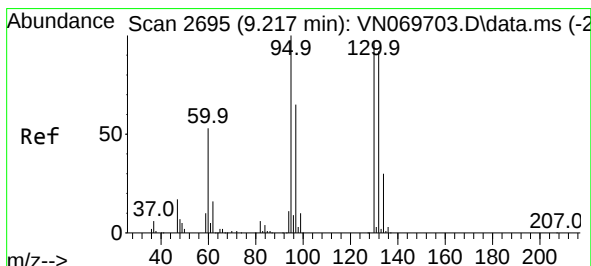
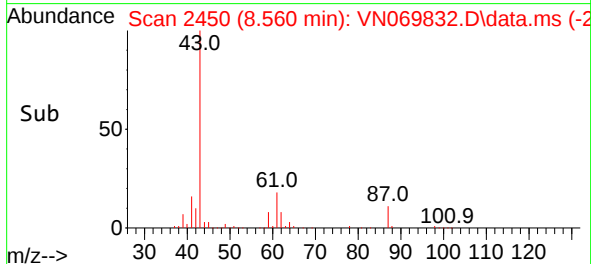
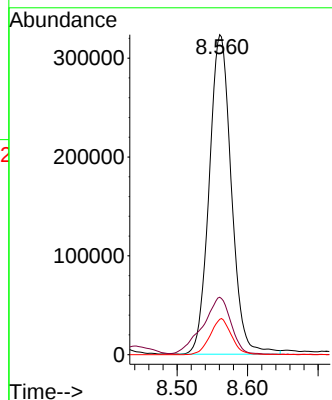
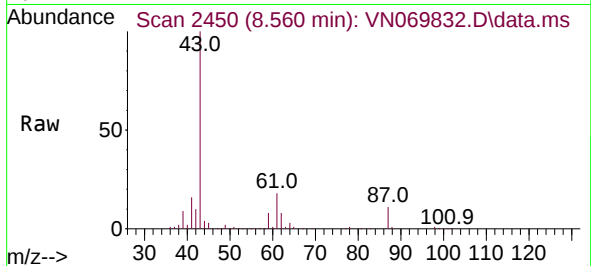
#43
Isopropyl Acetate
Concen: 19.253 ug/l
RT: 8.560 min Scan# 2451
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion: 43 Resp: 70526
Ion Ratio Lower Upper
43 100
61 22.9 20.4 30.6
87 10.9 11.2 16.8

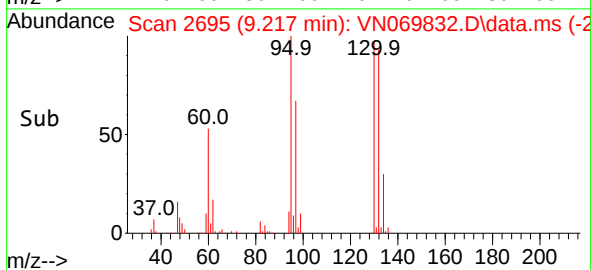
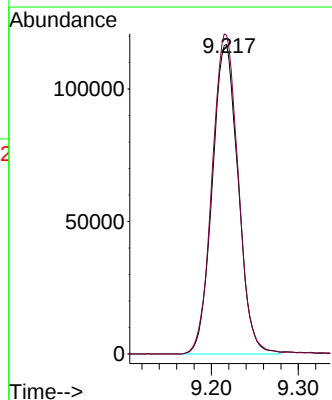
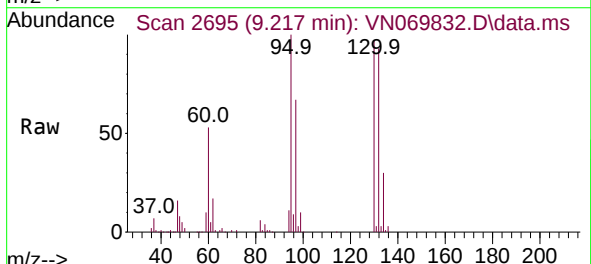
Manual Integrations
APPROVED

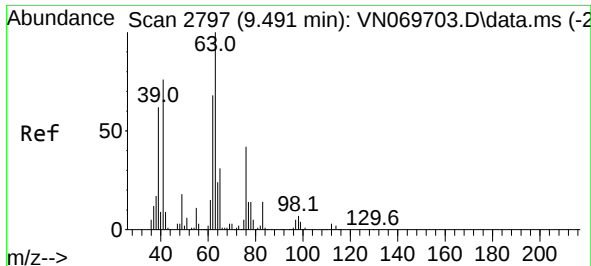
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#44
Trichloroethene
Concen: 19.911 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Tgt Ion:130 Resp: 241587
Ion Ratio Lower Upper
130 100
95 103.0 0.0 191.2





#45

1,2-Dichloropropane

Concen: 20.629 ug/l

RT: 9.491 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VN069832.D

Acq: 7 Dec 2021 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 63 Resp: 28160

Ion Ratio Lower Upper

63 100

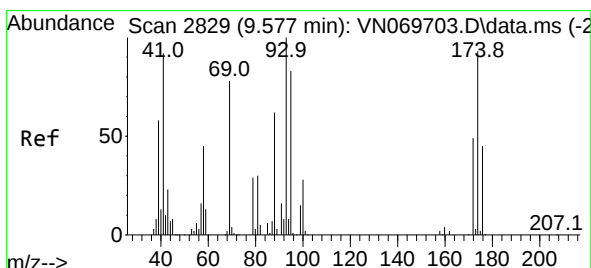
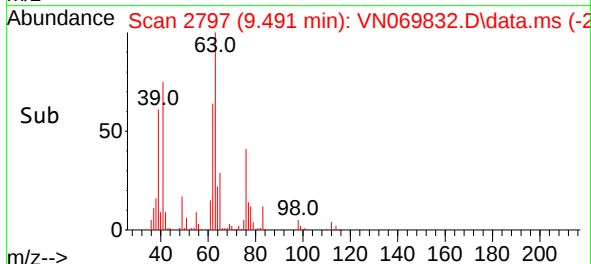
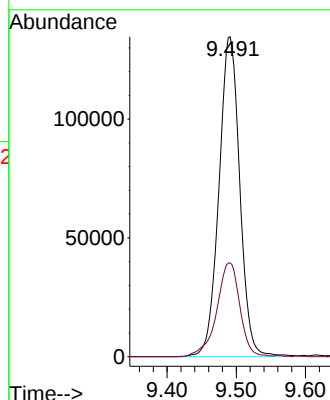
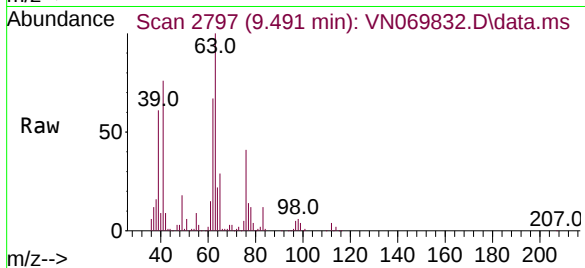
65 29.2 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#46

Dibromomethane

Concen: 19.995 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. 0.000 min

Lab File: VN069832.D

Acq: 7 Dec 2021 23:53

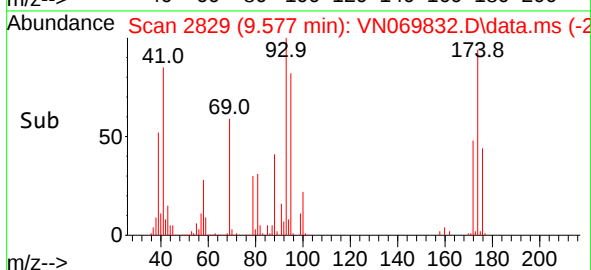
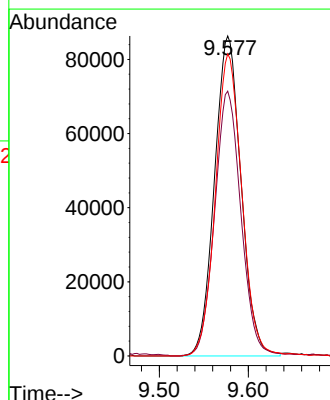
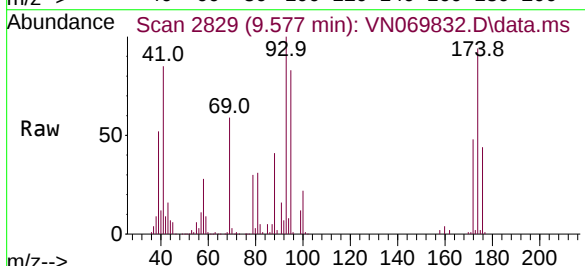
Tgt Ion: 93 Resp: 179012

Ion Ratio Lower Upper

93 100

95 82.1 65.9 98.9

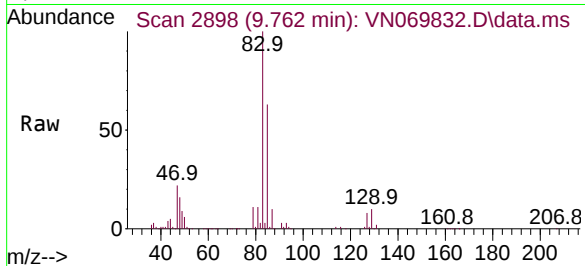
174 93.6 84.6 127.0





#47
Bromodichloromethane
Concen: 20.523 ug/l
RT: 9.762 min Scan# 2898
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

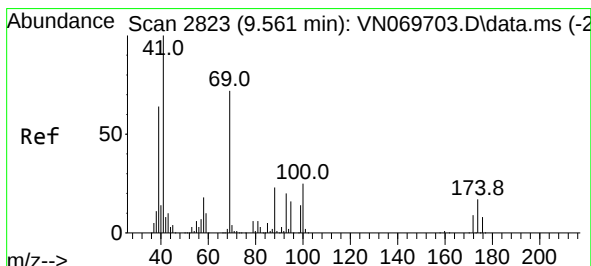
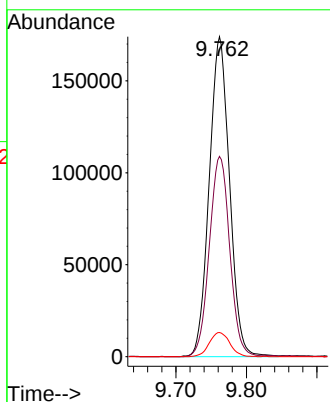
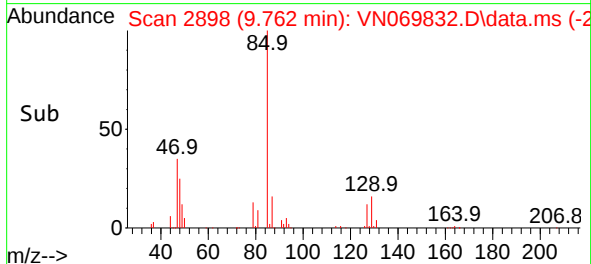
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



Tgt Ion: 83 Resp: 34787
Ion Ratio Lower Upper
83 100
85 62.6 50.9 76.3
127 7.6 7.1 10.7

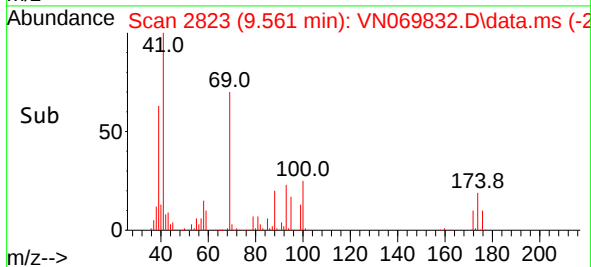
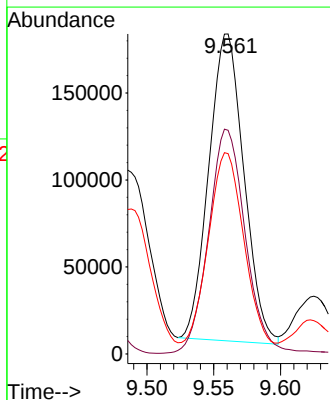
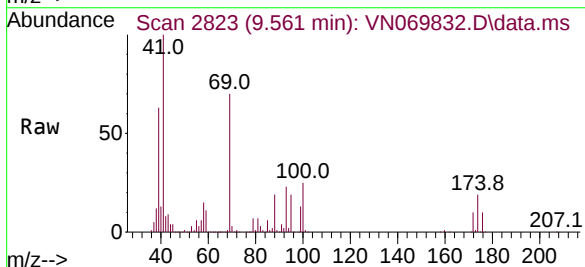
Manual Integrations
APPROVED

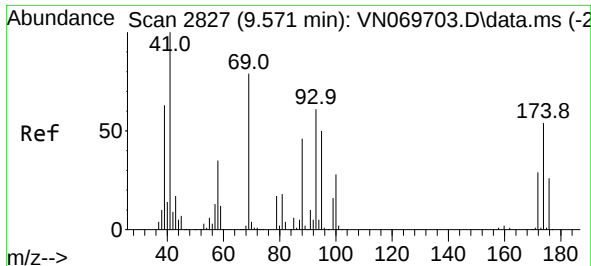
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#48
Methyl methacrylate
Concen: 18.857 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. -0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Tgt Ion: 41 Resp: 322351
Ion Ratio Lower Upper
41 100
69 76.9 72.4 108.6
39 68.5 58.4 87.6





#49

1,4-Dioxane

Concen: 303.800 ug/l

RT: 9.569 min Scan# 2827

Delta R.T. -0.003 min

Lab File: VN069832.D

Acq: 7 Dec 2021 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 88 Resp: 9318

Ion Ratio Lower Upper

88 100

43 35.9 23.4 35.2

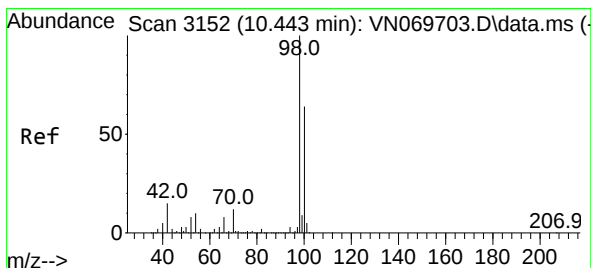
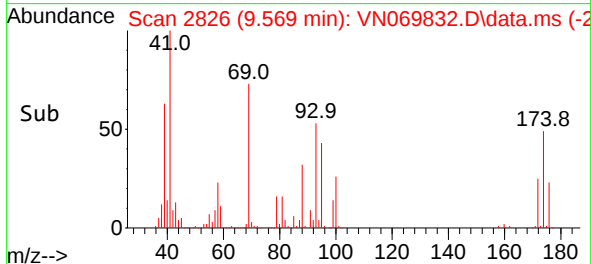
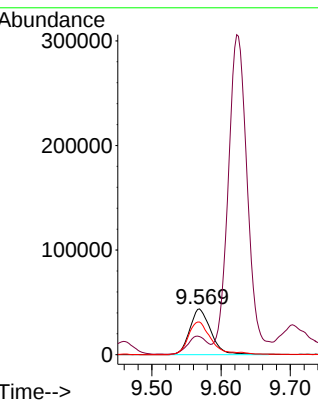
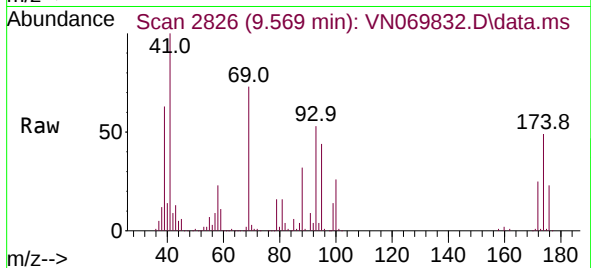
58 75.1 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#50

Toluene-d8

Concen: 51.270 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.003 min

Lab File: VN069832.D

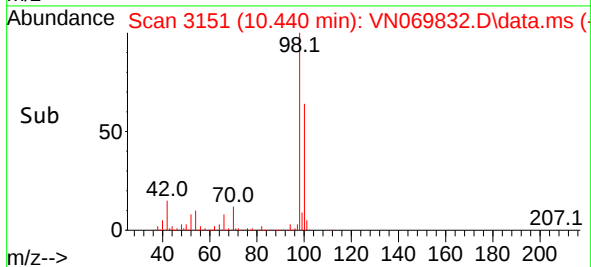
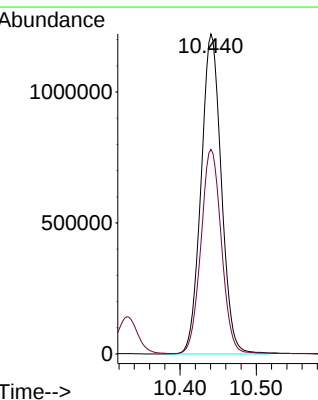
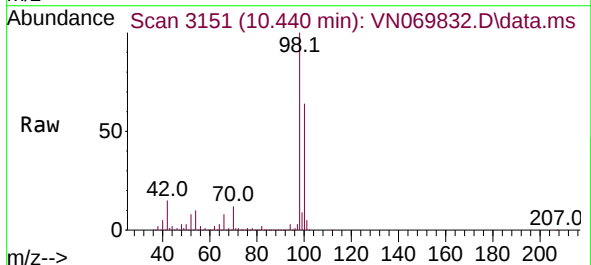
Acq: 7 Dec 2021 23:53

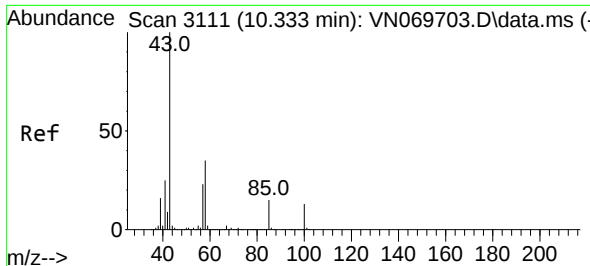
Tgt Ion: 98 Resp: 2252782

Ion Ratio Lower Upper

98 100

100 64.4 50.4 75.6





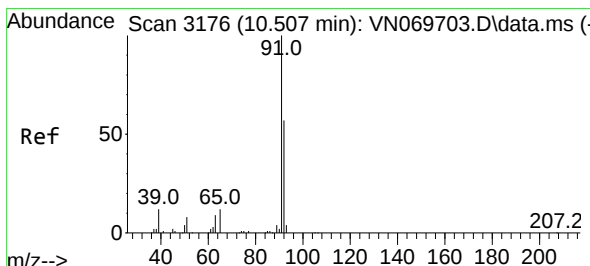
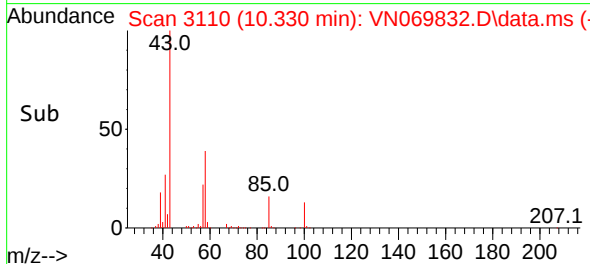
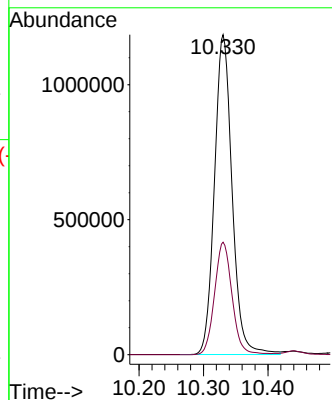
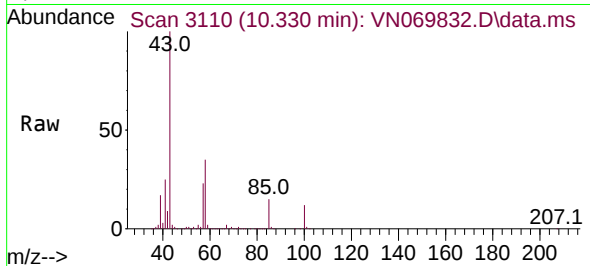
#51
4-Methyl-2-Pentanone
Concen: 94.935 ug/l
RT: 10.330 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion: 43 Resp: 2255970
Ion Ratio Lower Upper
43 100
58 34.9 30.4 45.6

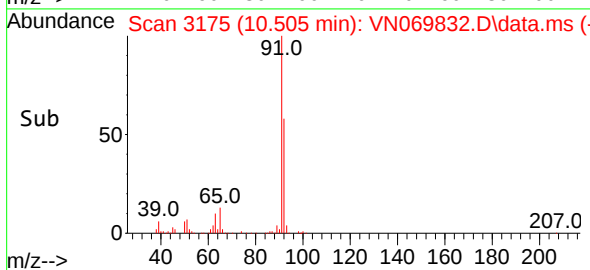
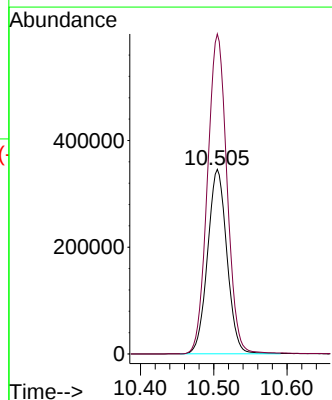
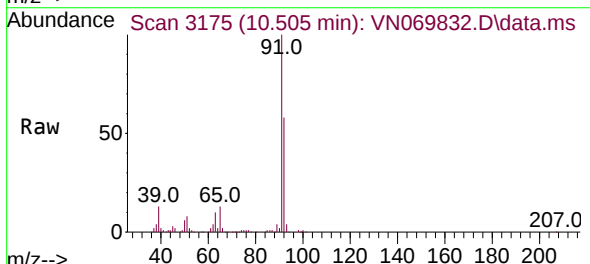
Manual Integrations
APPROVED

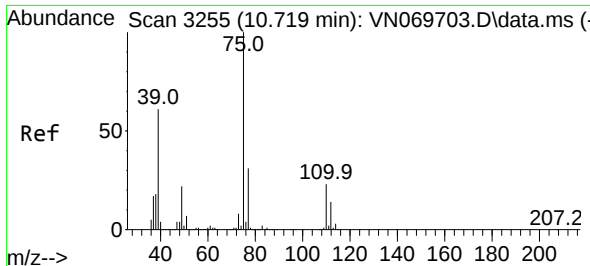
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#52
Toluene
Concen: 20.414 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

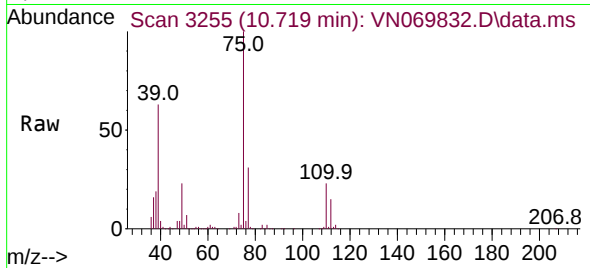
Tgt Ion: 92 Resp: 633546
Ion Ratio Lower Upper
92 100
91 174.7 142.0 213.0





#53
t-1,3-Dichloropropene
Concen: 19.013 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

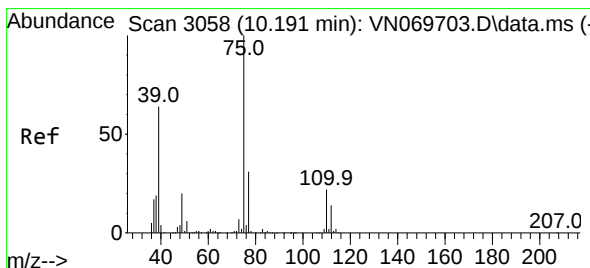
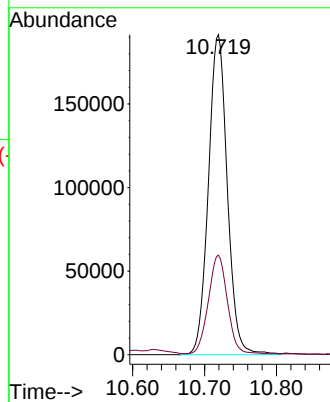
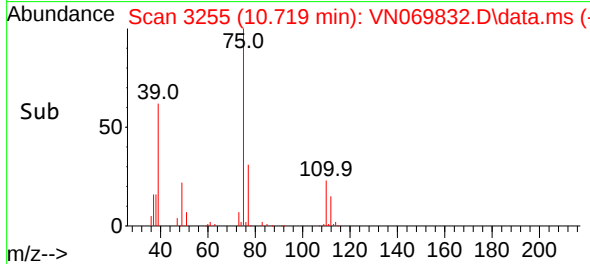
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



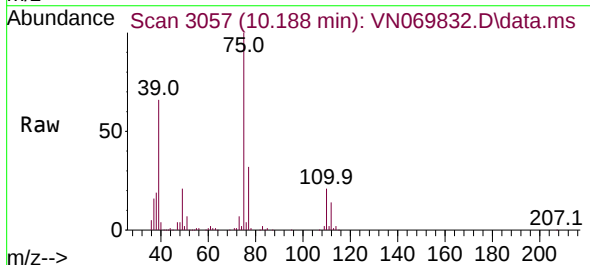
Tgt Ion: 75 Resp: 35029
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4

Manual Integrations
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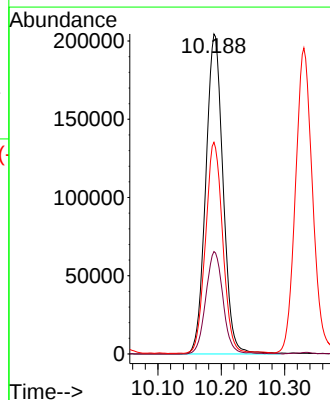
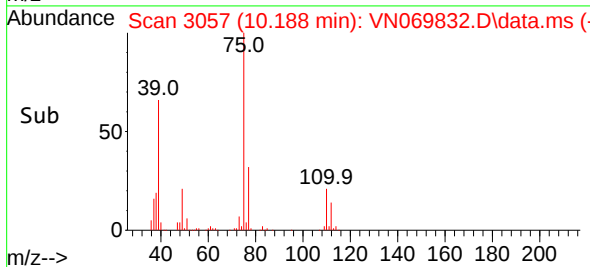
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

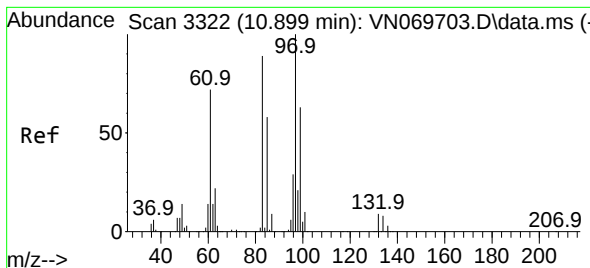


#54
cis-1,3-Dichloropropene
Concen: 19.393 ug/l
RT: 10.188 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



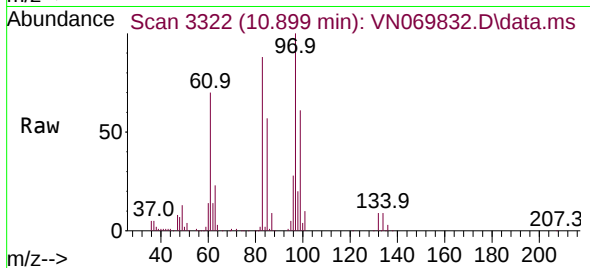
Tgt Ion: 75 Resp: 387727
Ion Ratio Lower Upper
75 100
77 32.0 26.4 39.6
39 65.9 42.5 63.7#





#55
1,1,2-Trichloroethane
Concen: 19.793 ug/l
RT: 10.899 min Scan# 3322
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

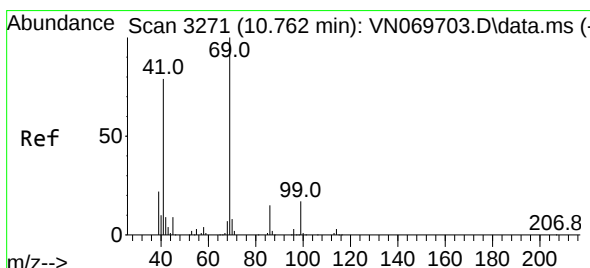
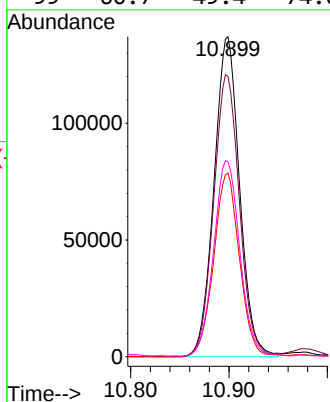
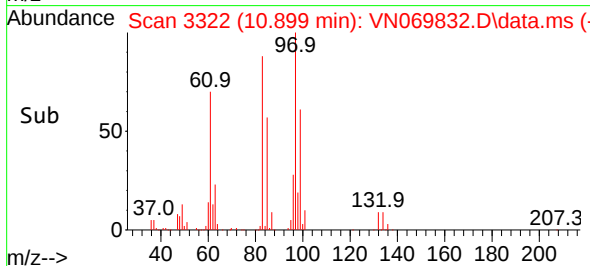
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



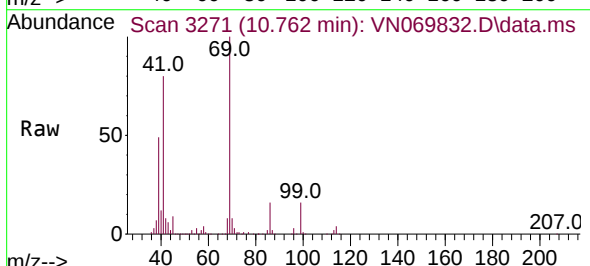
Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	67.8	101.6
85	57.4	45.4	68.2
99	60.7	49.4	74.0

Manual Integrations
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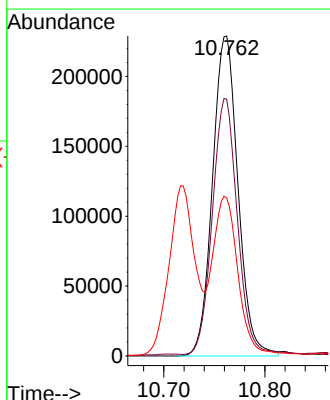
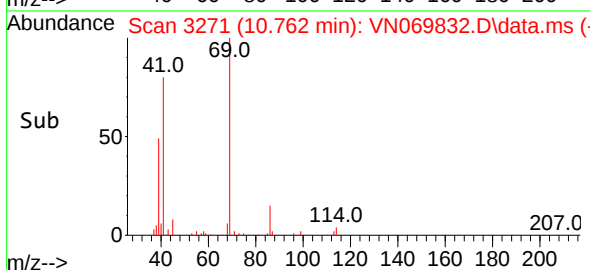
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

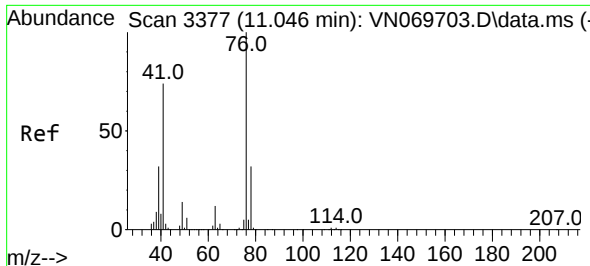


#56
Ethyl methacrylate
Concen: 18.483 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.7	51.4	77.0#
39	48.6	34.6	52.0





#57

1,3-Dichloropropane

Concen: 20.250 ug/l

RT: 11.044 min Scan# 3377

Delta R.T. -0.003 min

Lab File: VN069832.D

Acq: 7 Dec 2021 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 76 Resp: 446490

Ion Ratio Lower Upper

76 100

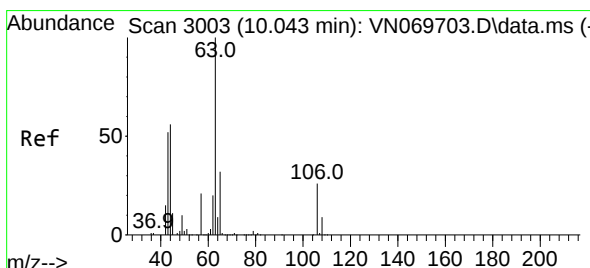
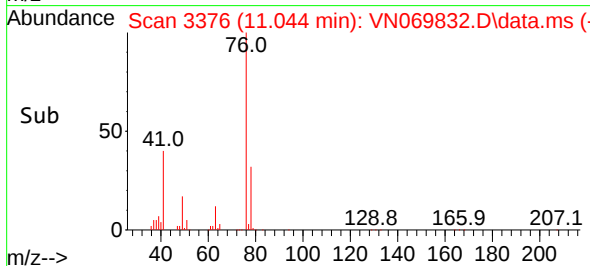
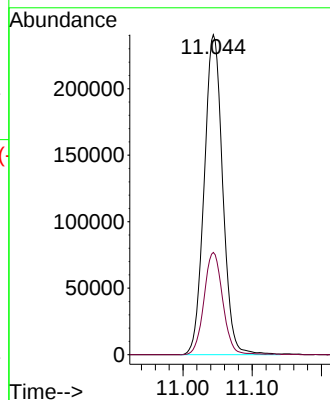
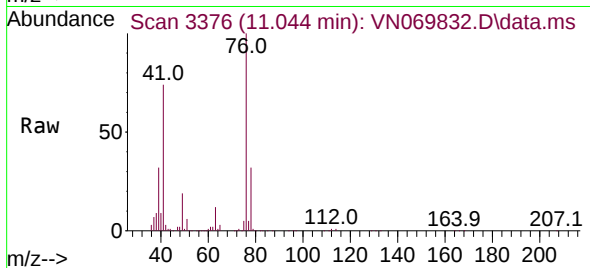
78 32.3 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#58

2-Chloroethyl Vinyl ether

Concen: 72.044 ug/l

RT: 10.041 min Scan# 3002

Delta R.T. -0.002 min

Lab File: VN069832.D

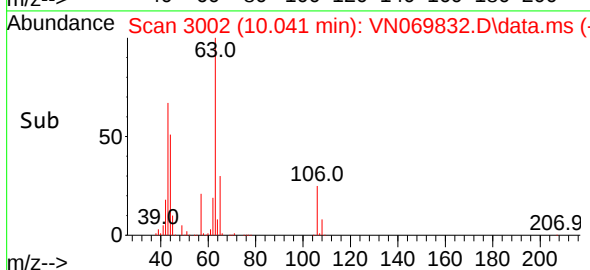
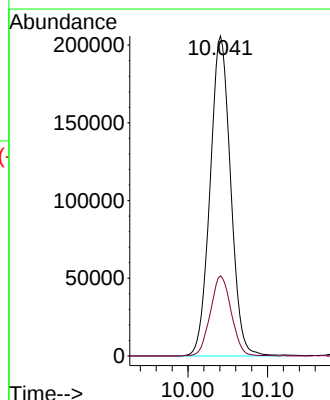
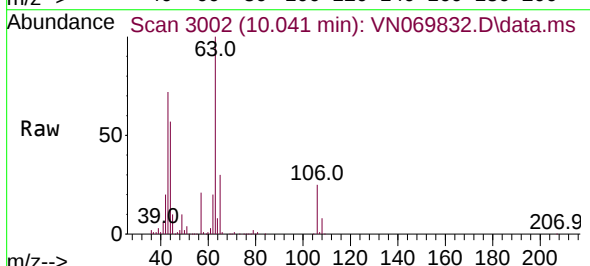
Acq: 7 Dec 2021 23:53

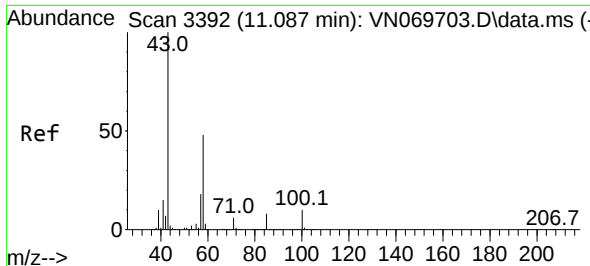
Tgt Ion: 63 Resp: 369530

Ion Ratio Lower Upper

63 100

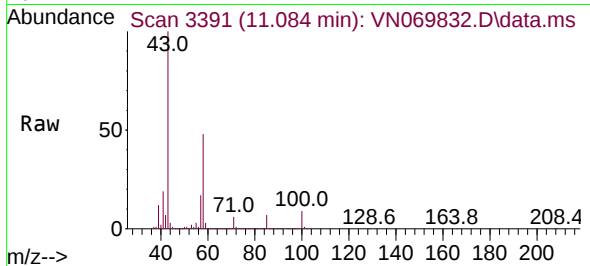
106 25.5 23.9 35.9





#59
2-Hexanone
Concen: 86.700 ug/l
RT: 11.084 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

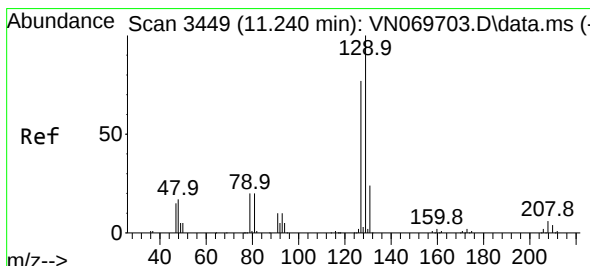
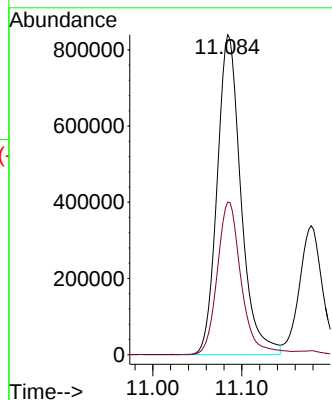
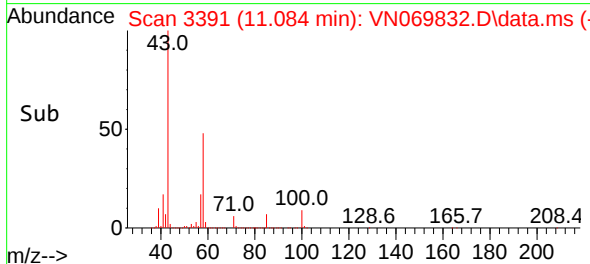
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



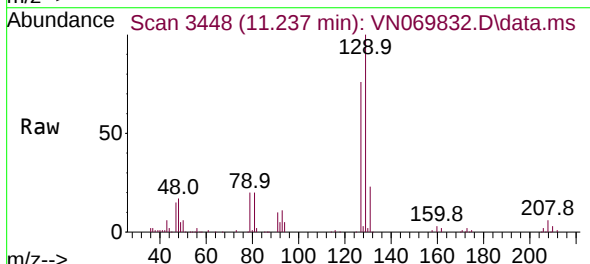
Tgt Ion: 43 Resp: 155853
Ion Ratio Lower Upper
43 100
58 48.1 26.9 80.7

Manual Integrations
APPROVED

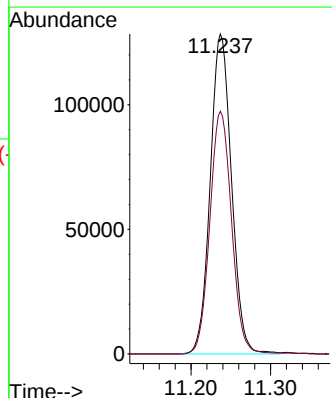
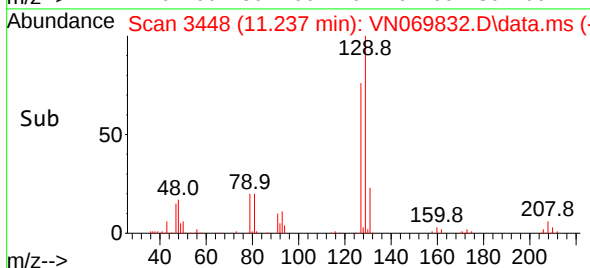
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

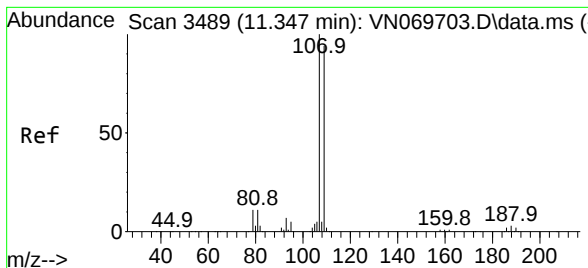


#60
Dibromochloromethane
Concen: 19.345 ug/l
RT: 11.237 min Scan# 3448
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



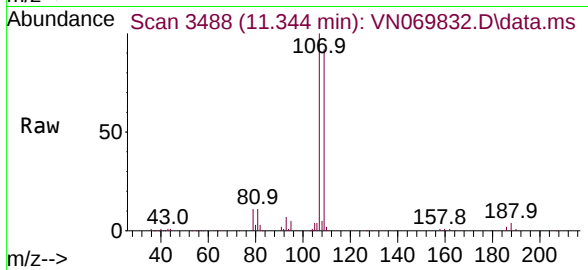
Tgt Ion:129 Resp: 239030
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





#61
1,2-Dibromoethane
Concen: 19.711 ug/l
RT: 11.344 min Scan# 3488
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

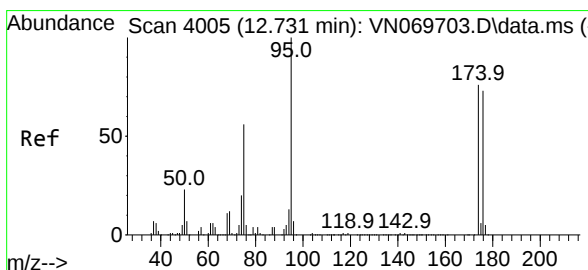
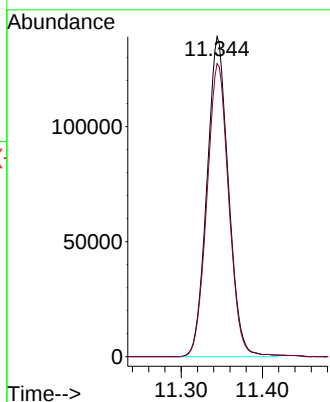
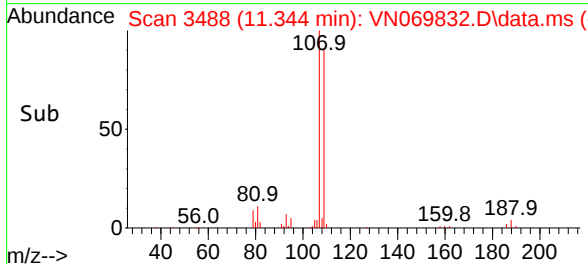
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



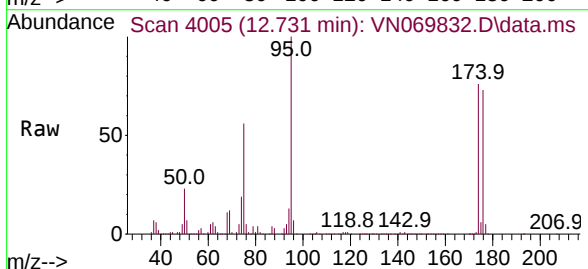
Tgt Ion:107 Resp: 25565
Ion Ratio Lower Upper
107 100
109 92.8 75.7 113.5

Manual Integrations
APPROVED

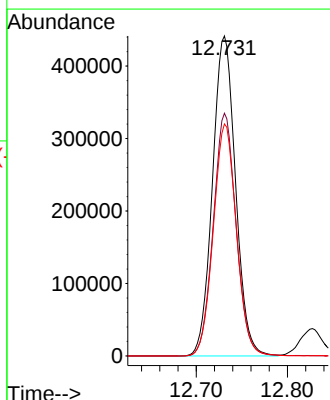
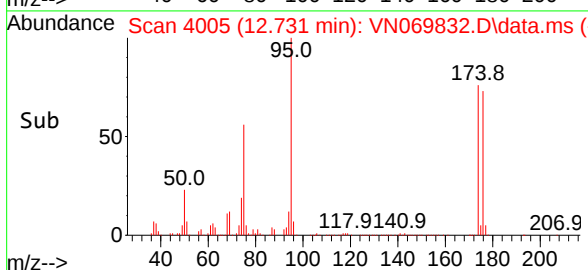
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

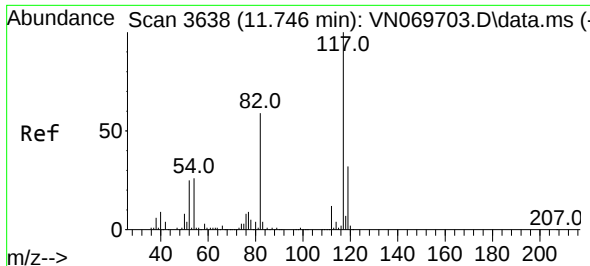


#62
4-Bromofluorobenzene
Concen: 48.693 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



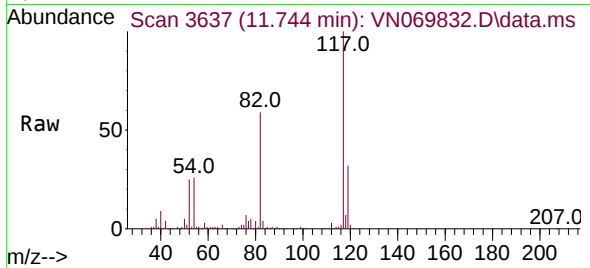
Tgt Ion: 95 Resp: 775105
Ion Ratio Lower Upper
95 100
174 75.1 0.0 187.2
176 72.7 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

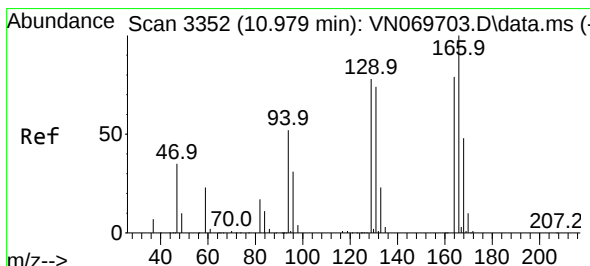
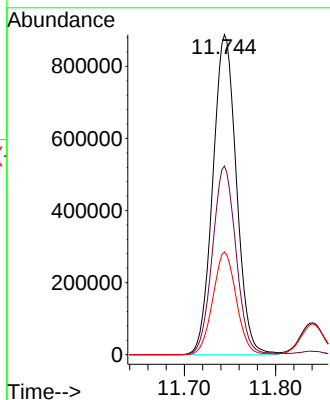
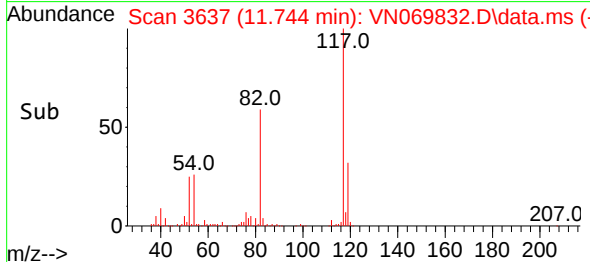
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



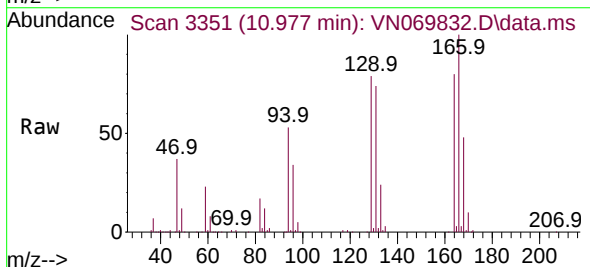
Tgt Ion:117 Resp: 1598278
Ion Ratio Lower Upper
117 100
82 58.9 42.4 63.6
119 32.1 25.4 38.2

Manual Integrations
APPROVED

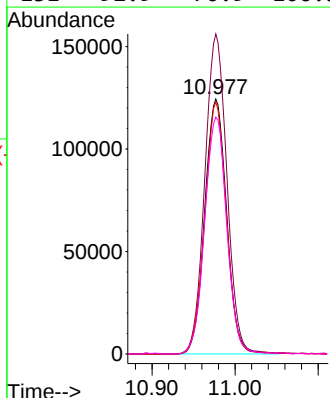
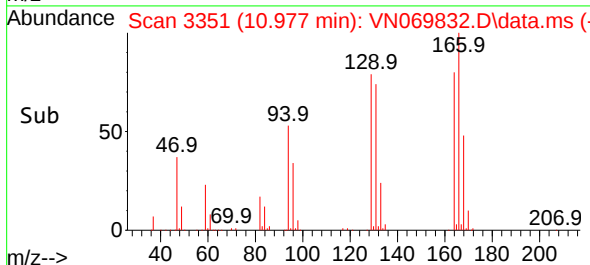
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

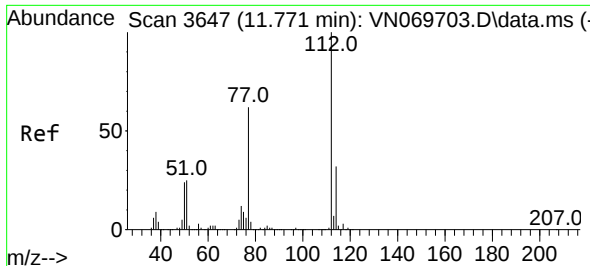


#64
Tetrachloroethene
Concen: 21.066 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



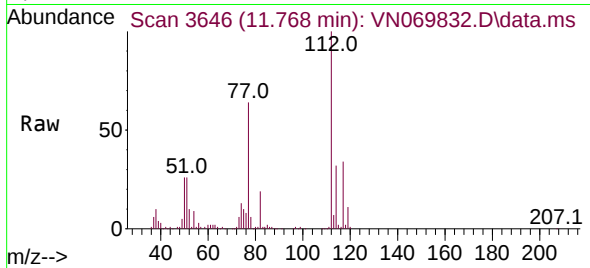
Tgt Ion:164 Resp: 228301
Ion Ratio Lower Upper
164 100
166 125.6 101.9 152.9
129 98.9 72.0 108.0
131 92.9 70.9 106.3





#65
Chlorobenzene
Concen: 20.318 ug/l
RT: 11.768 min Scan# 3646
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

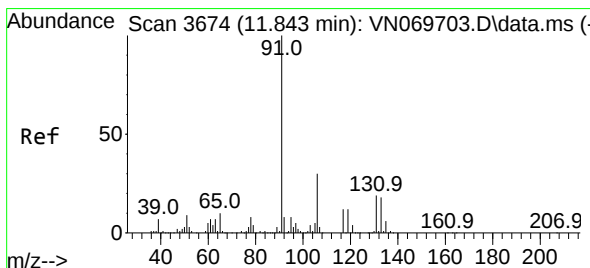
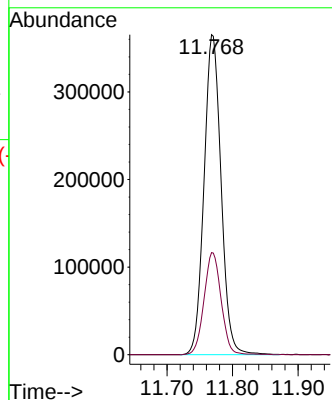
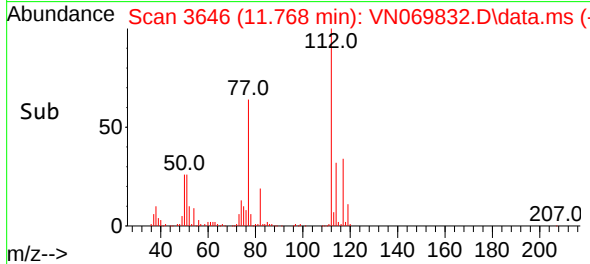
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



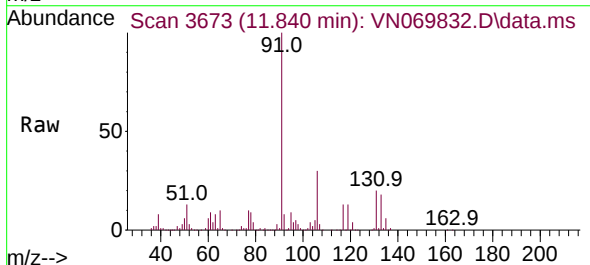
Tgt Ion:112 Resp: 65880
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

Manual Integrations
APPROVED

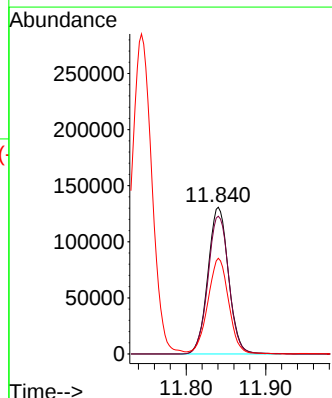
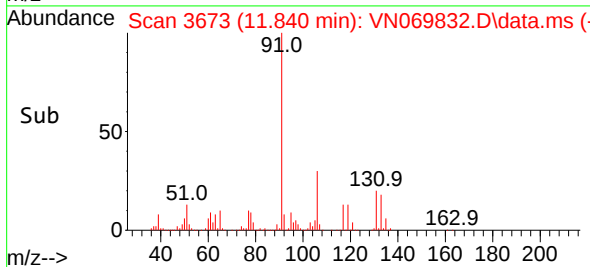
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#66
1,1,1,2-Tetrachloroethane
Concen: 20.645 ug/l
RT: 11.840 min Scan# 3673
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



Tgt Ion:131 Resp: 235603
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.7
119 65.5 32.1 96.5





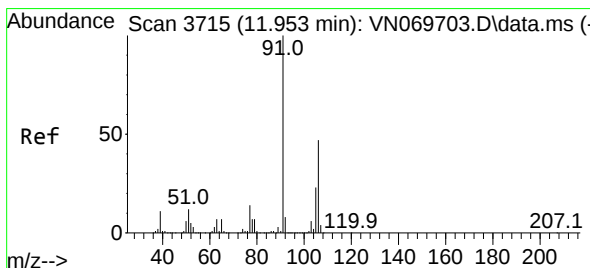
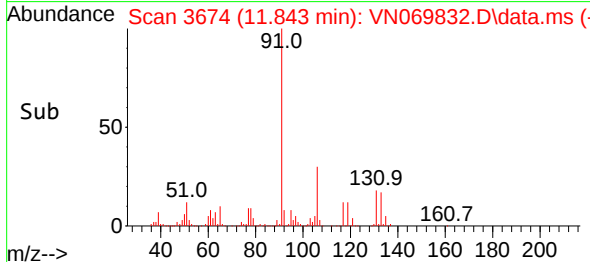
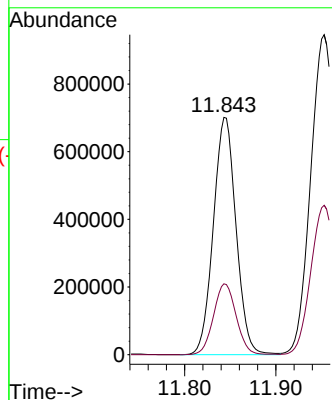
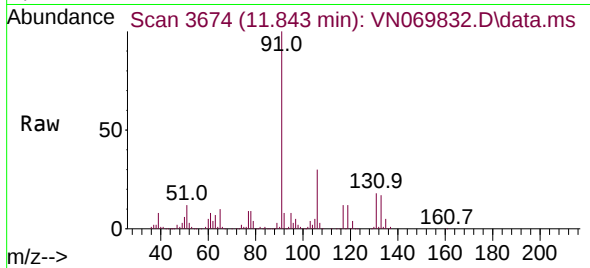
#67
Ethyl Benzene
Concen: 20.594 ug/l
RT: 11.843 min Scan# 30
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion: 91 Resp: 121293
Ion Ratio Lower Upper
91 100
106 29.9 25.7 38.5

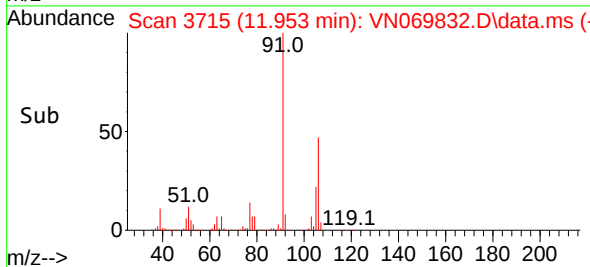
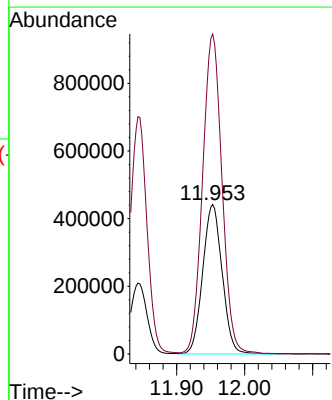
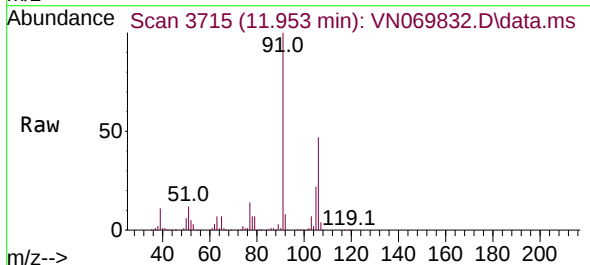
Manual Integrations
APPROVED

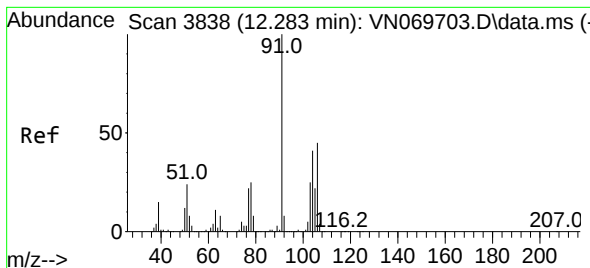
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#68
m/p-Xylenes
Concen: 40.842 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Tgt Ion:106 Resp: 875875
Ion Ratio Lower Upper
106 100
91 214.1 160.6 240.8





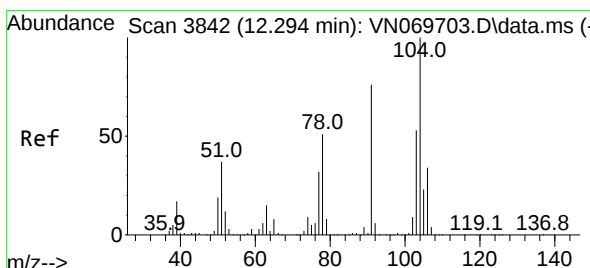
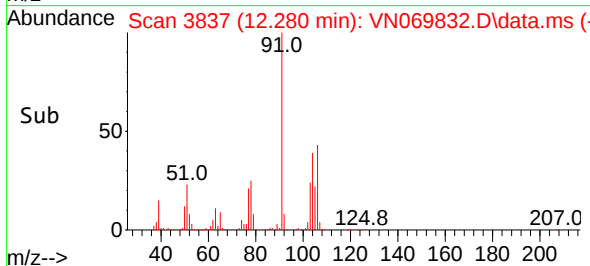
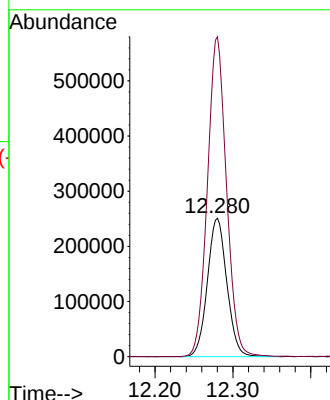
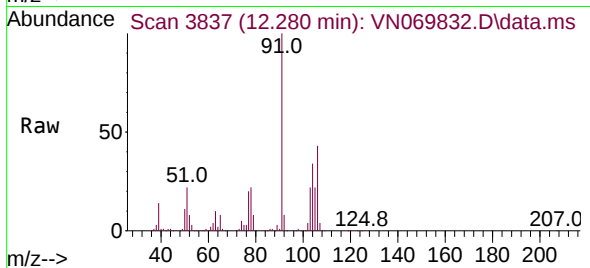
#69
o-Xylene
Concen: 20.201 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion:106 Resp: 436370
Ion Ratio Lower Upper
106 100
91 226.3 105.8 317.3

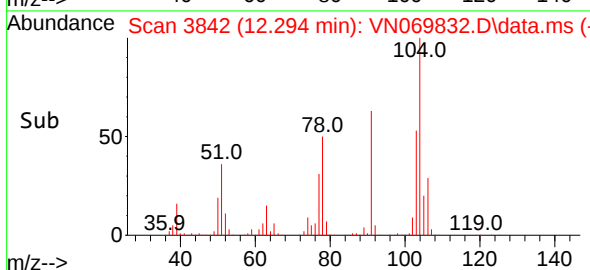
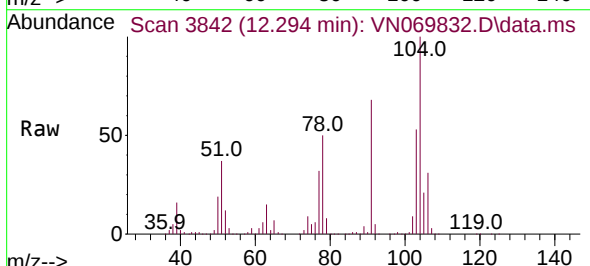
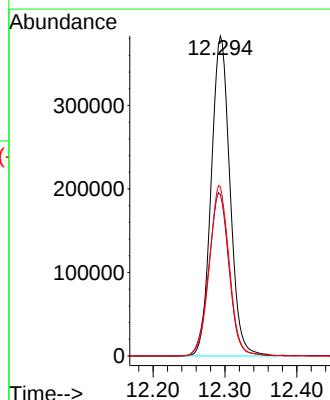
Manual Integrations
APPROVED

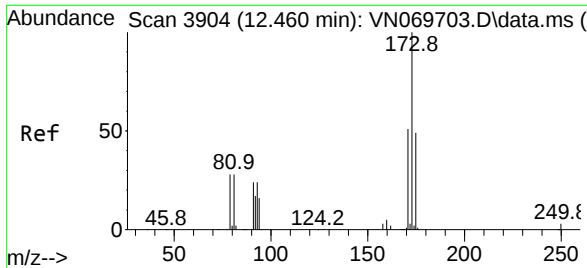
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#70
Styrene
Concen: 20.289 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

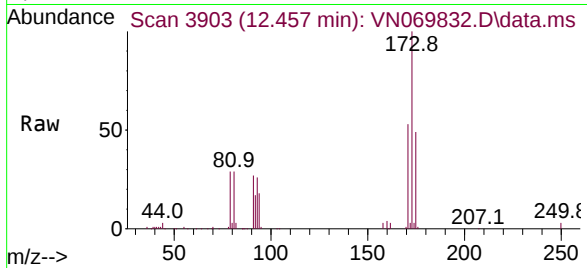
Tgt Ion:104 Resp: 694961
Ion Ratio Lower Upper
104 100
78 55.3 38.7 58.1
103 56.3 45.0 67.6





#71
Bromoform
Concen: 18.717 ug/l
RT: 12.457 min Scan# 3904
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

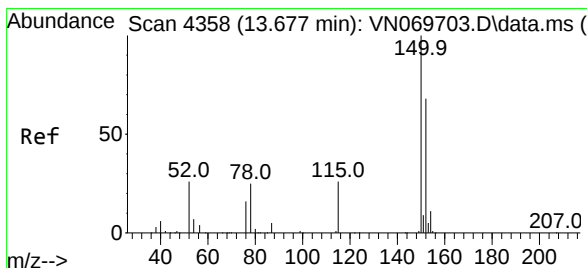
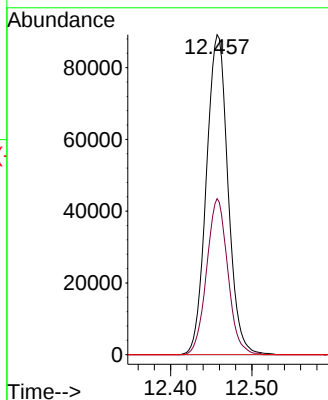
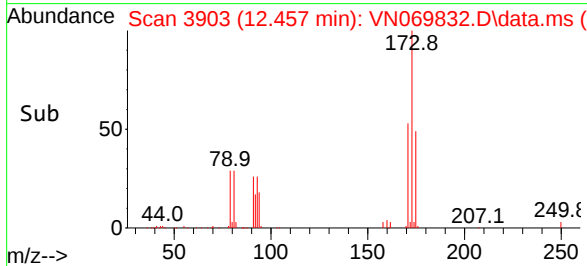
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



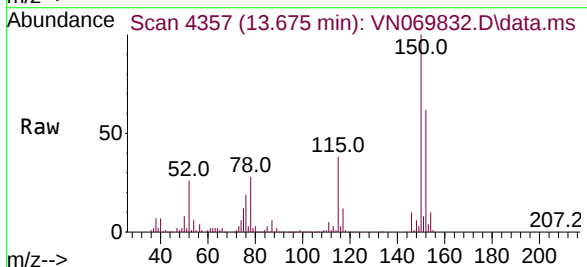
Tgt Ion:173 Resp: 165052
Ion Ratio Lower Upper
173 100
175 47.7 24.2 72.6
254 0.0 0.0 0.0

Manual Integrations
APPROVED

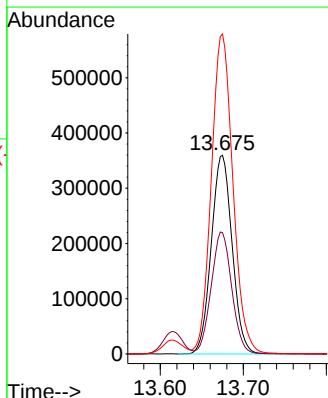
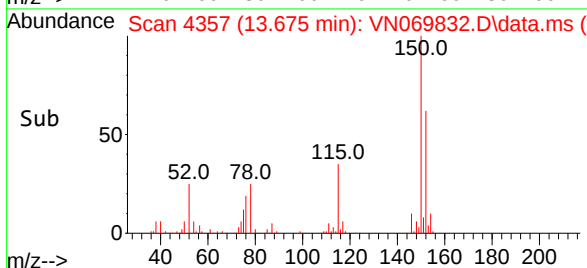
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

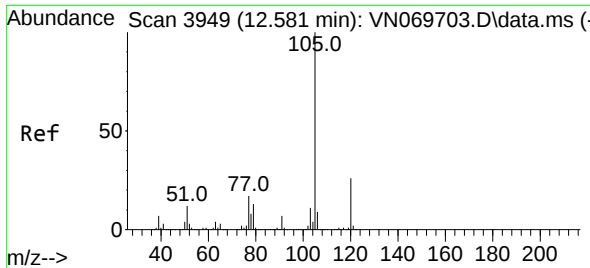


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



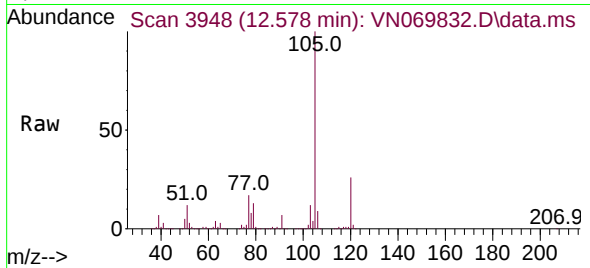
Tgt Ion:152 Resp: 628598
Ion Ratio Lower Upper
152 100
115 60.2 27.5 82.5
150 166.3 0.0 344.4





#73
Isopropylbenzene
Concen: 20.458 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

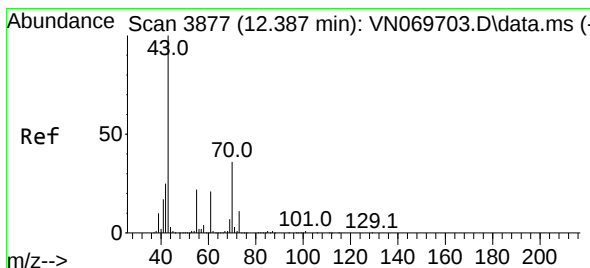
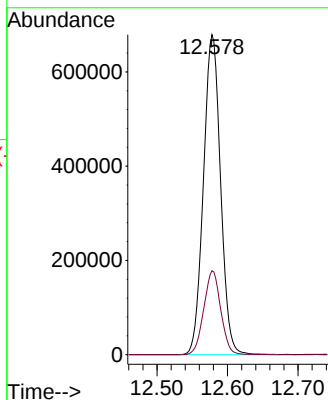
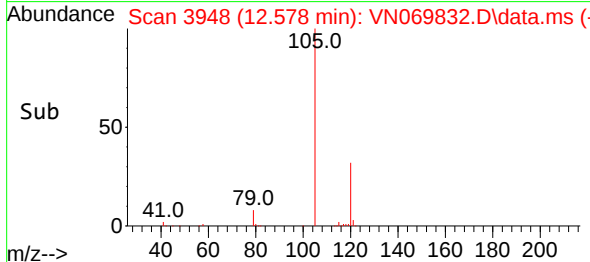
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



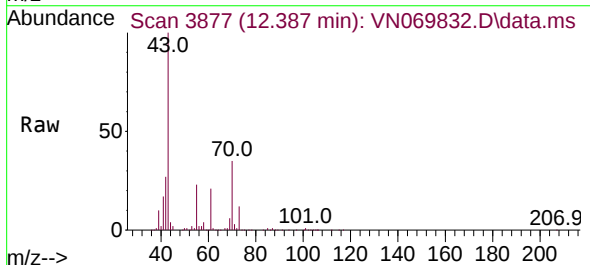
Tgt Ion:105 Resp: 1144158
Ion Ratio Lower Upper
105 100
120 26.0 13.4 40.1

Manual Integrations
APPROVED

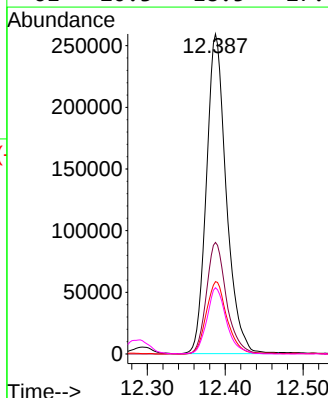
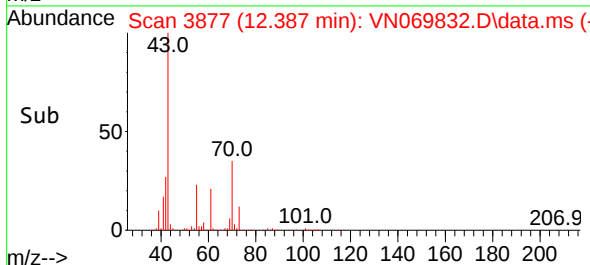
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

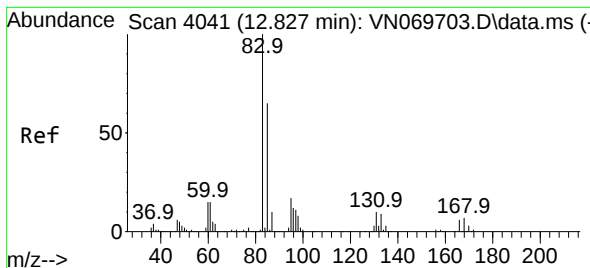


#74
N-ethyl acetate
Concen: 18.595 ug/l
RT: 12.387 min Scan# 3877
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



Tgt Ion: 43 Resp: 459908
Ion Ratio Lower Upper
43 100
70 35.2 33.4 50.0
55 23.6 19.3 28.9
61 20.3 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.885 ug/l

RT: 12.825 min Scan# 4041

Delta R.T. -0.003 min

Lab File: VN069832.D

Acq: 7 Dec 2021 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

Tgt Ion: 83 Resp: 38457

Ion Ratio Lower Upper

83 100

131 9.7 5.5 16.5

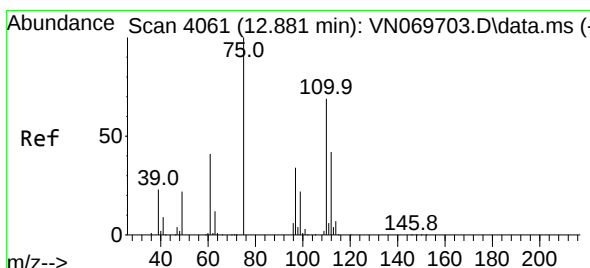
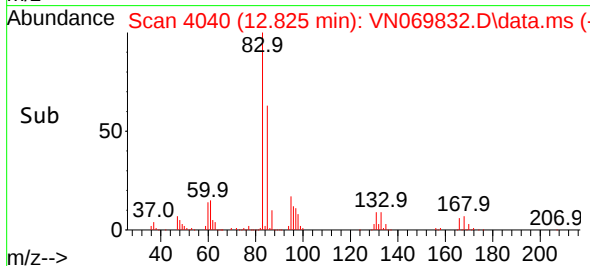
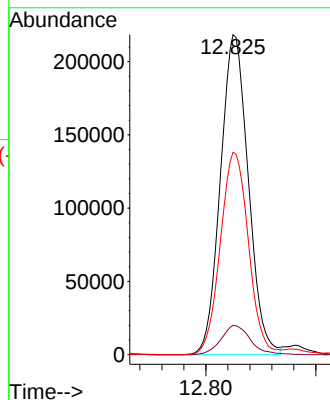
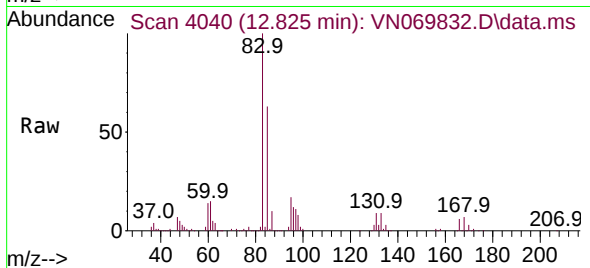
85 64.0 32.4 97.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#76

1,2,3-Trichloropropane

Concen: 18.105 ug/l m

RT: 12.878 min Scan# 4060

Delta R.T. -0.003 min

Lab File: VN069832.D

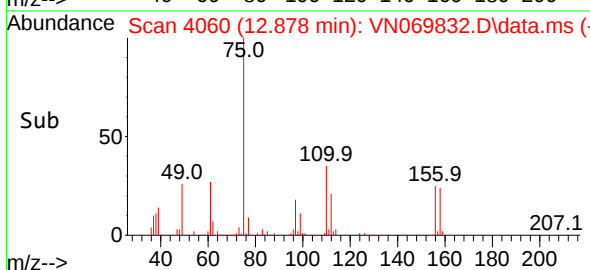
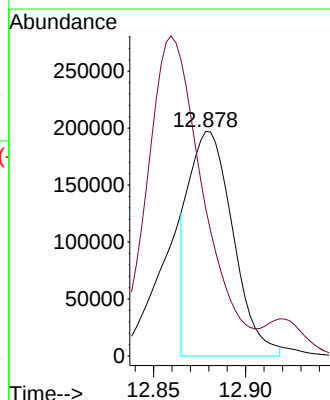
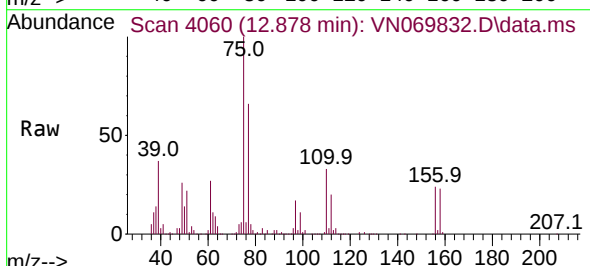
Acq: 7 Dec 2021 23:53

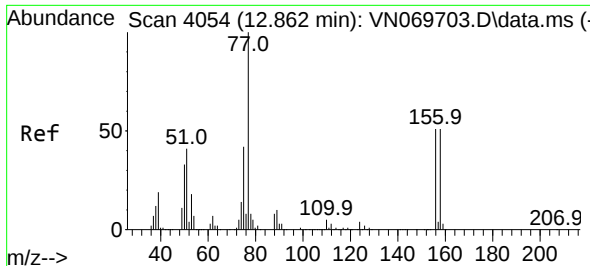
Tgt Ion: 75 Resp: 326382

Ion Ratio Lower Upper

75 100

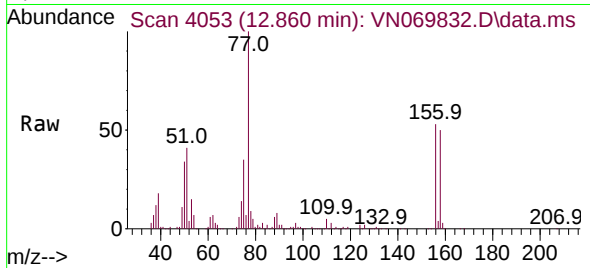
77 182.1 82.6 247.8





#77
Bromobenzene
Concen: 20.143 ug/l
RT: 12.860 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

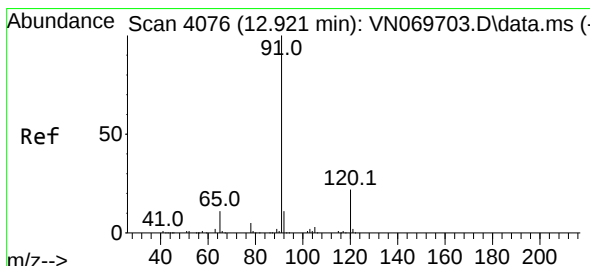
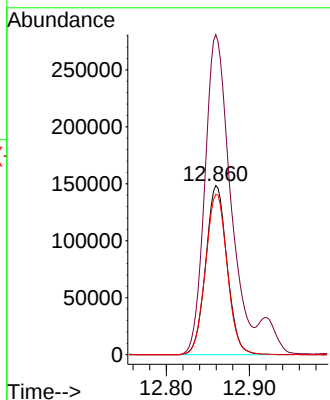
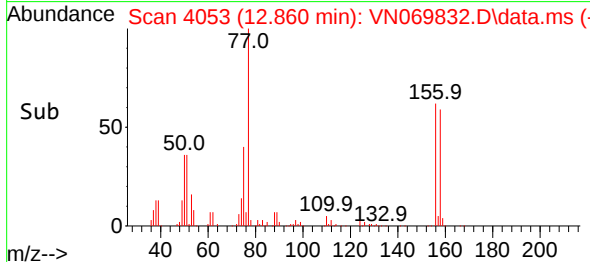
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



Tgt Ion:156 Resp: 26461
Ion Ratio Lower Upper
156 100
77 224.6 90.6 271.8
158 97.0 48.9 146.7

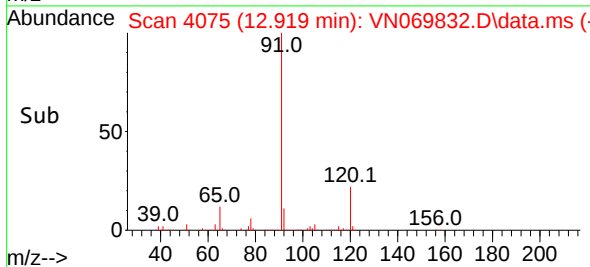
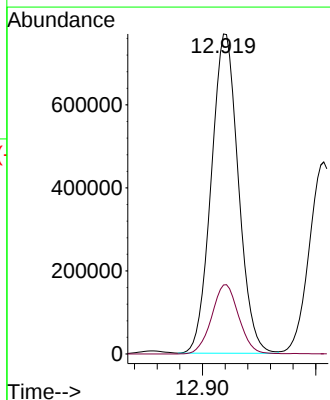
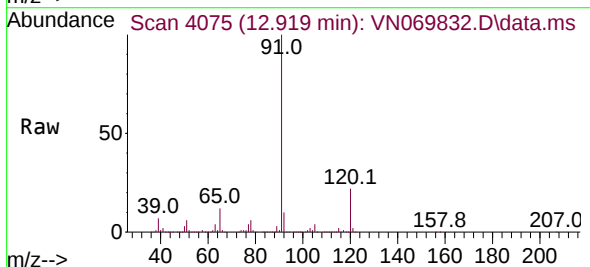
Manual Integrations
APPROVED

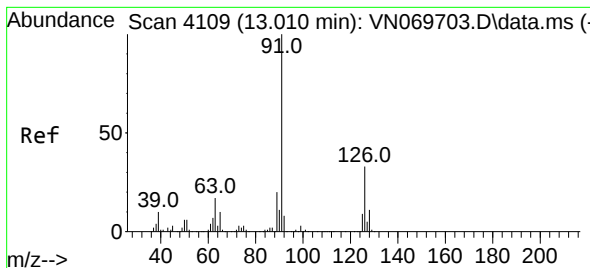
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#78
n-propylbenzene
Concen: 20.529 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Tgt Ion: 91 Resp: 1277628
Ion Ratio Lower Upper
91 100
120 21.7 11.9 35.9





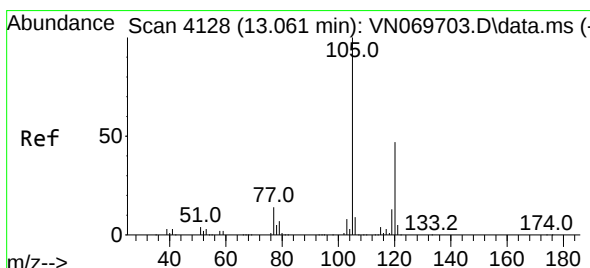
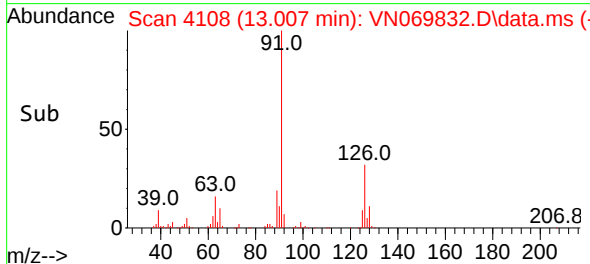
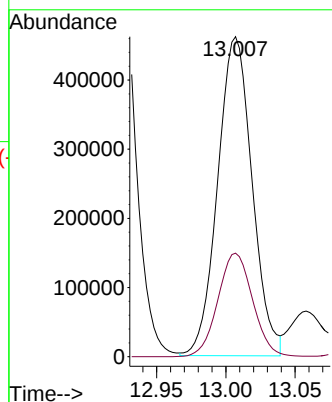
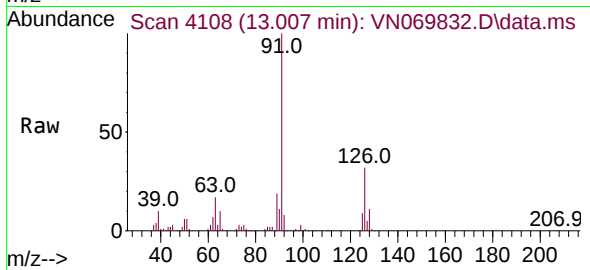
#79
2-Chlorotoluene
Concen: 20.295 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion: 91 Resp: 79808
Ion Ratio Lower Upper
91 100
126 32.8 18.3 54.8

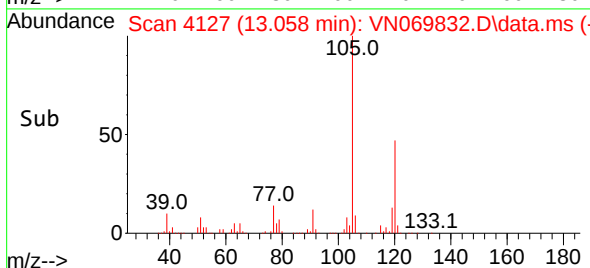
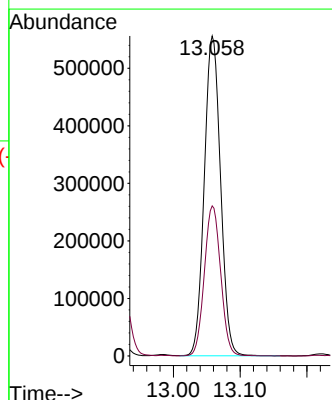
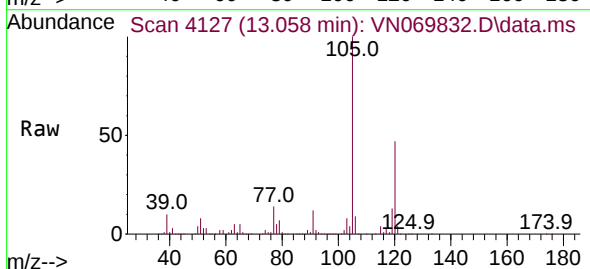
Manual Integrations
APPROVED

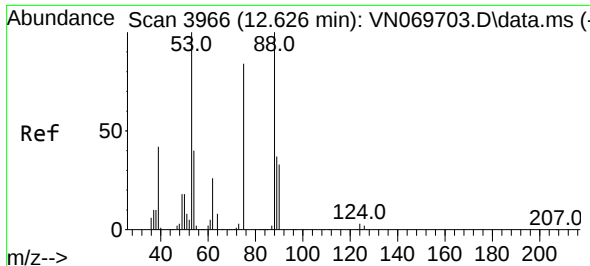
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#80
1,3,5-Trimethylbenzene
Concen: 20.916 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

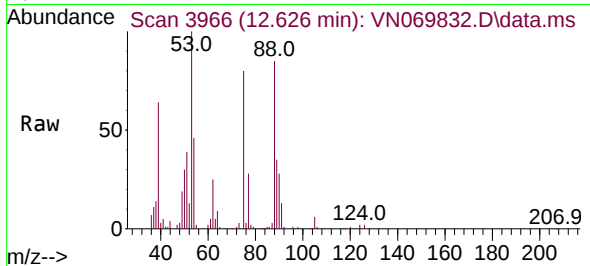
Tgt Ion:105 Resp: 941538
Ion Ratio Lower Upper
105 100
120 46.9 24.6 73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 17.878 ug/l
RT: 12.626 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

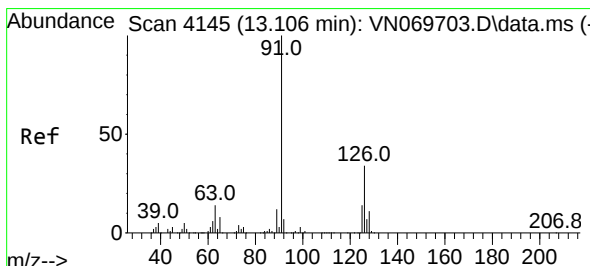
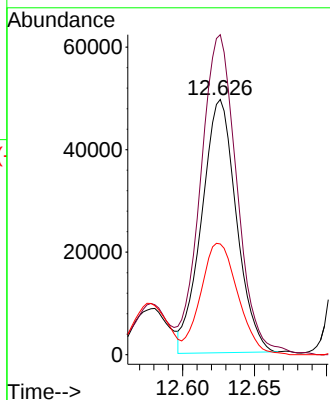
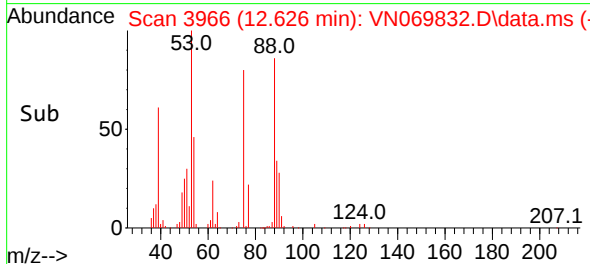
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



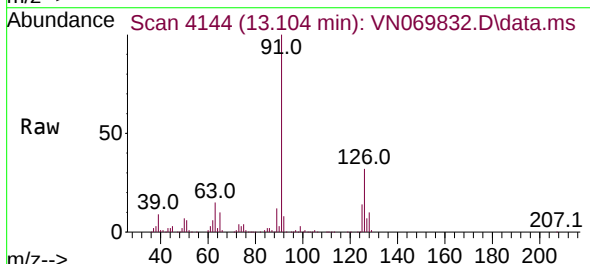
Tgt Ion: 75 Resp: 82830
Ion Ratio Lower Upper
75 100
53 133.3 90.5 135.7
89 47.0 38.2 57.4

Manual Integrations
APPROVED

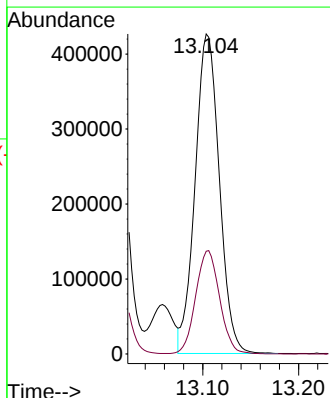
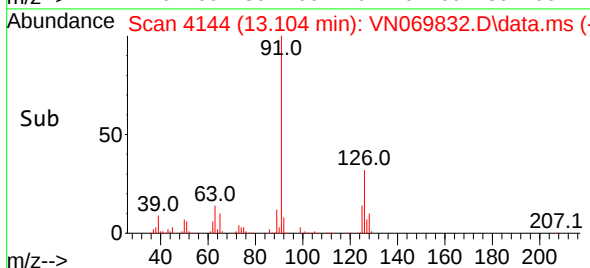
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

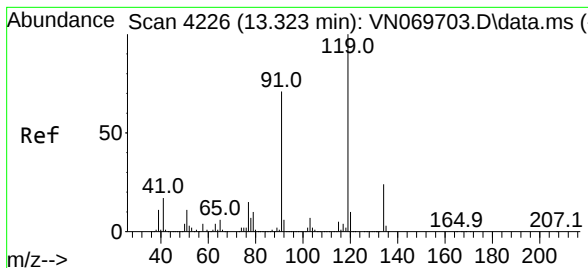


#82
4-Chlorotoluene
Concen: 20.256 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



Tgt Ion: 91 Resp: 749128
Ion Ratio Lower Upper
91 100
126 31.9 18.2 54.6





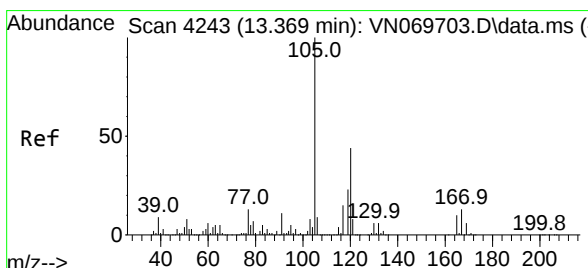
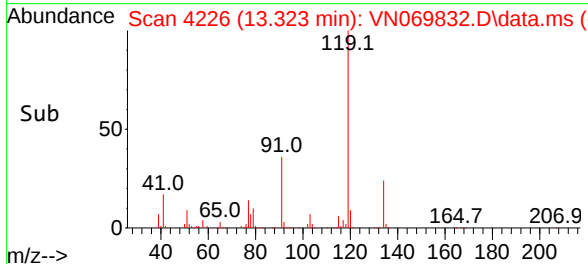
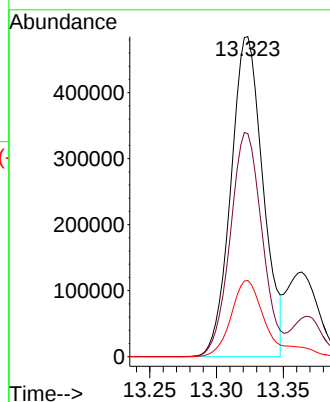
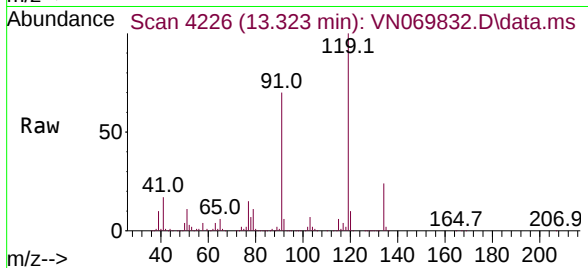
#83
tert-Butylbenzene
Concen: 20.397 ug/l
RT: 13.323 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion:119 Resp: 81300
Ion Ratio Lower Upper
119 100
91 69.7 31.5 94.5
134 26.3 12.4 37.4

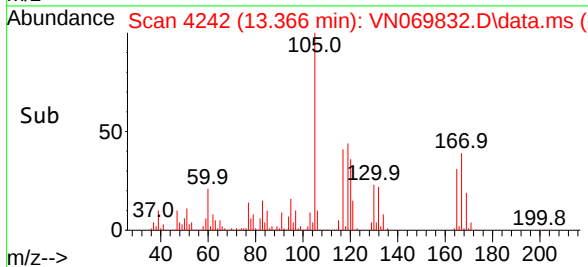
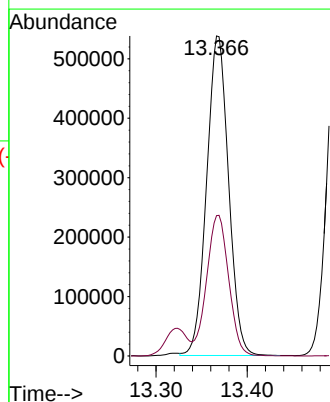
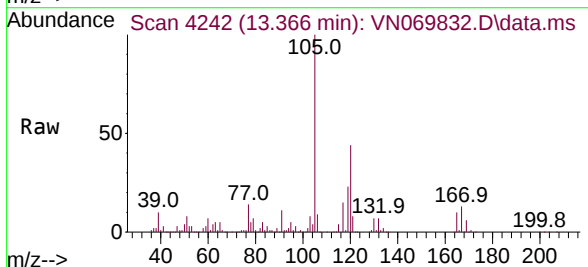
Manual Integrations
APPROVED

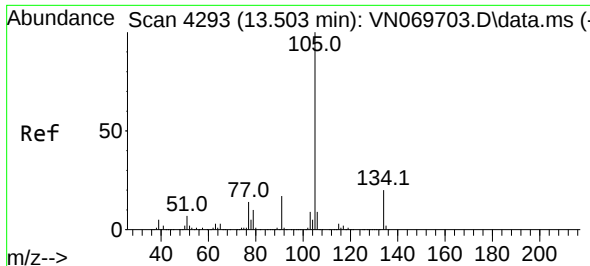
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#84
1,2,4-Trimethylbenzene
Concen: 20.948 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Tgt Ion:105 Resp: 898038
Ion Ratio Lower Upper
105 100
120 44.3 22.8 68.4





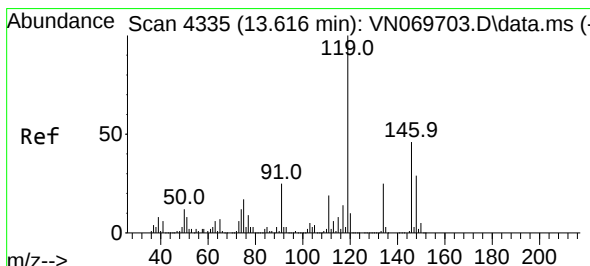
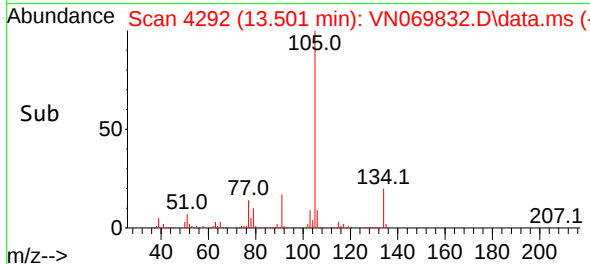
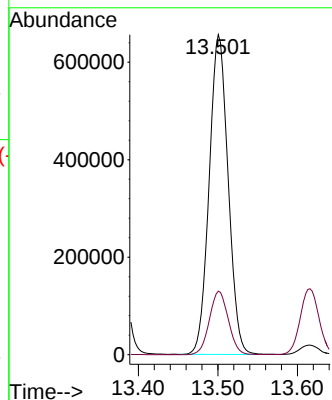
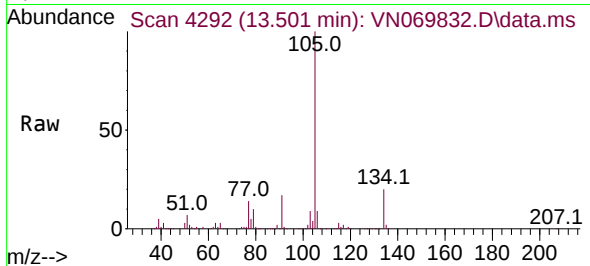
#85
 sec-Butylbenzene
 Concen: 20.096 ug/l
 RT: 13.501 min Scan# 4292
 Delta R.T. -0.003 min
 Lab File: VN069832.D
 Acq: 7 Dec 2021 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Tgt Ion:105 Resp: 1086520
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.4 31.1

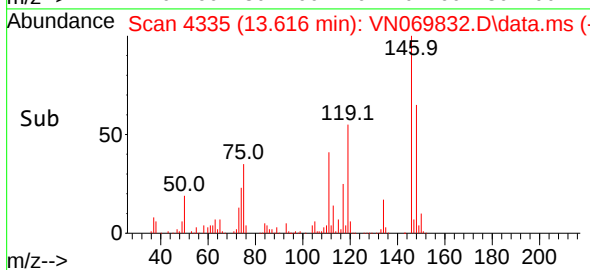
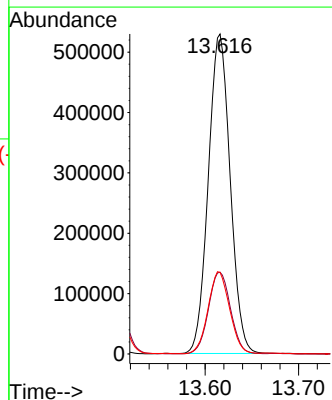
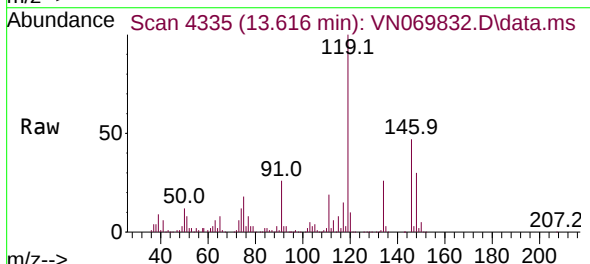
Manual Integrations
 APPROVED

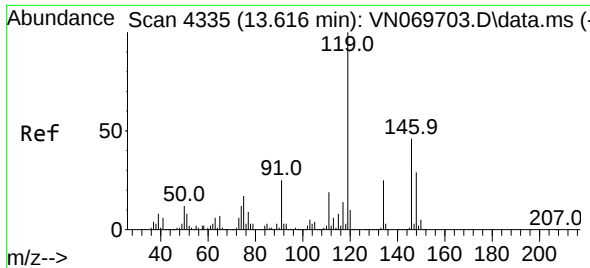
Reviewed By :John Carlone 12/08/2021
 Supervised By :Amit Patel 12/14/2021



#86
 p-Isopropyltoluene
 Concen: 20.398 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN069832.D
 Acq: 7 Dec 2021 23:53

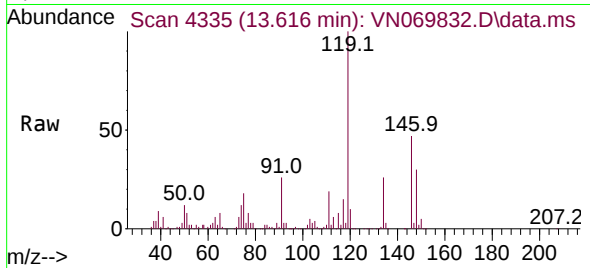
Tgt Ion:119 Resp: 862038
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.6 40.7
 91 25.3 11.4 34.1





#87
1,3-Dichlorobenzene
Concen: 19.989 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

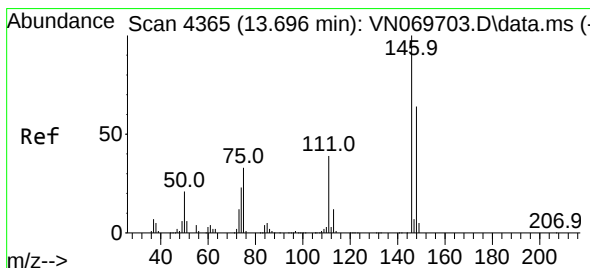
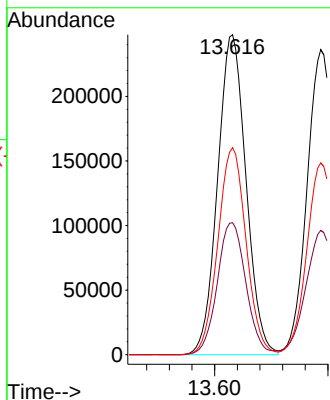
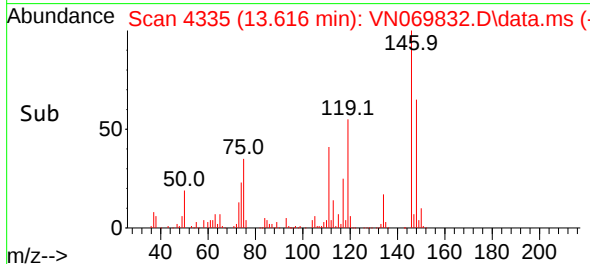
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



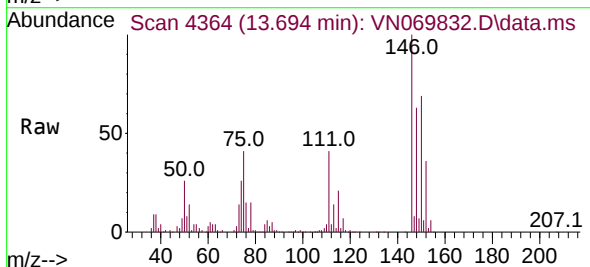
Tgt Ion:146 Resp: 431380
Ion Ratio Lower Upper
146 100
111 41.7 18.6 55.6
148 64.4 31.6 95.0

Manual Integrations
APPROVED

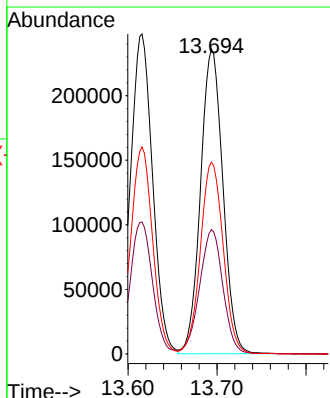
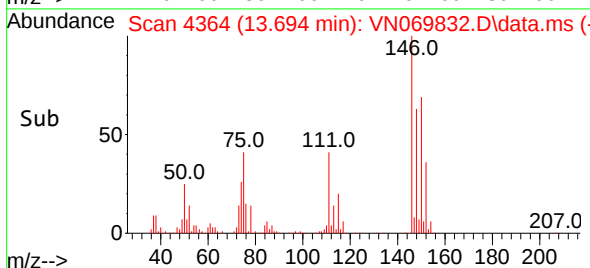
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

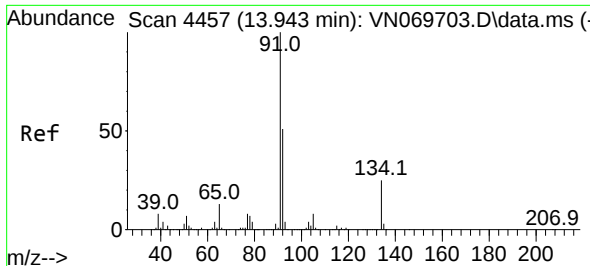


#88
1,4-Dichlorobenzene
Concen: 19.473 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



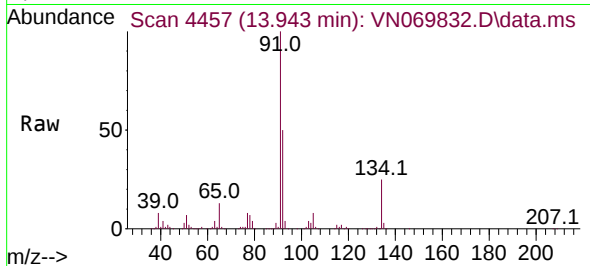
Tgt Ion:146 Resp: 412992
Ion Ratio Lower Upper
146 100
111 42.2 18.3 54.8
148 63.9 31.8 95.4





#89
n-Butylbenzene
Concen: 19.069 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

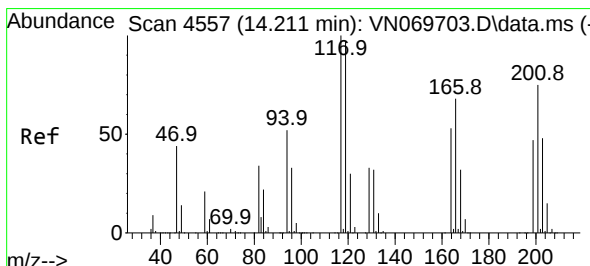
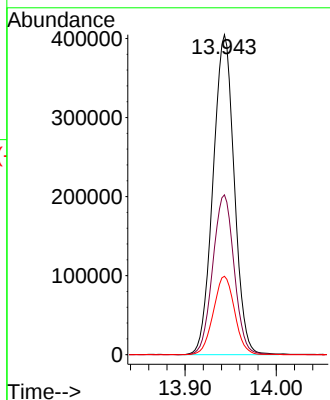
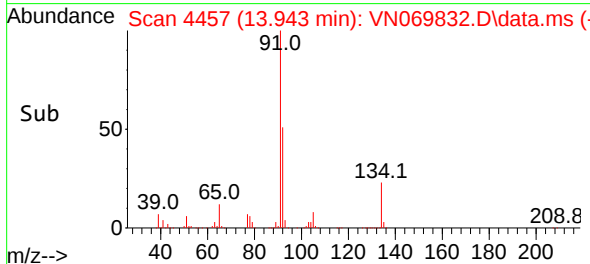
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



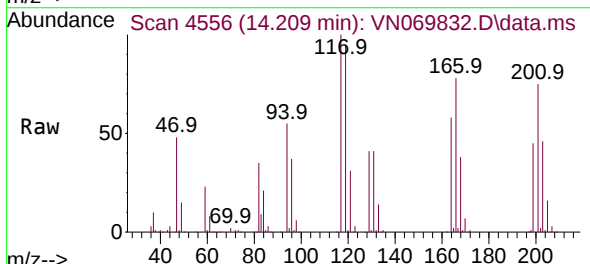
Tgt Ion: 91 Resp: 653730
Ion Ratio Lower Upper
91 100
92 50.6 25.4 76.0
134 24.7 13.6 40.8

Manual Integrations
APPROVED

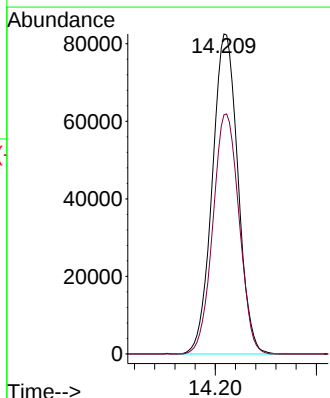
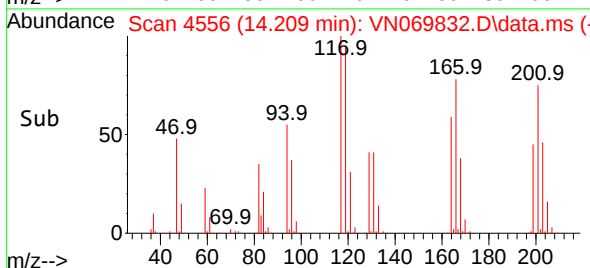
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

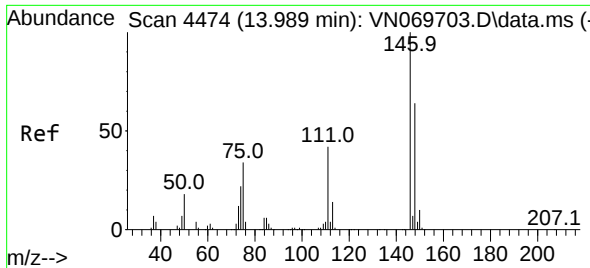


#90
Hexachloroethane
Concen: 19.565 ug/l
RT: 14.209 min Scan# 4556
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



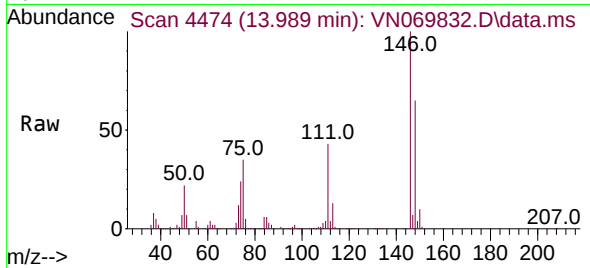
Tgt Ion:117 Resp: 145170
Ion Ratio Lower Upper
117 100
201 76.6 43.9 131.6





#91
1,2-Dichlorobenzene
Concen: 20.185 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

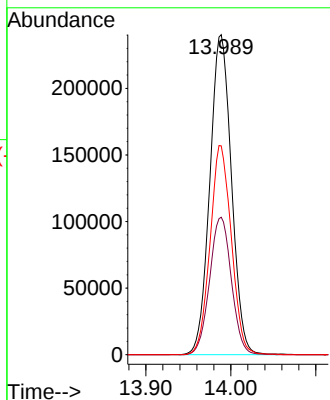
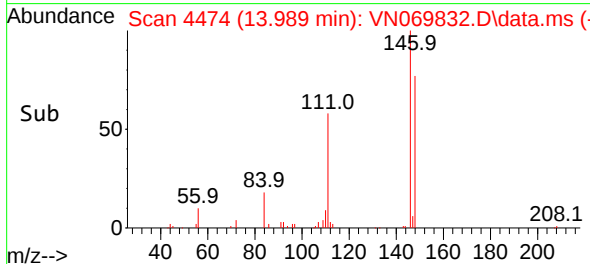
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



Tgt Ion:146 Resp: 42445
Ion Ratio Lower Upper
146 100
111 43.2 19.1 57.3
148 64.4 32.1 96.3

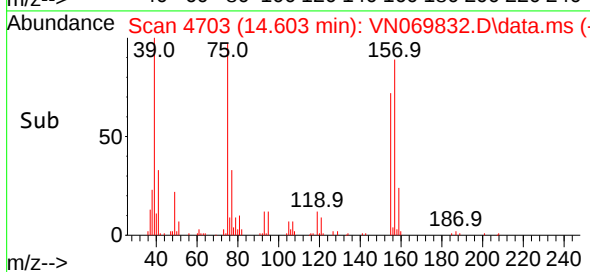
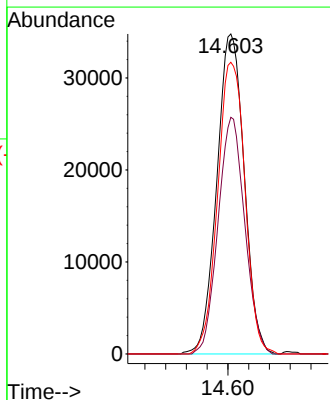
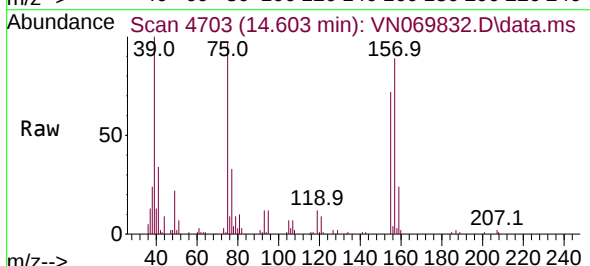
Manual Integrations
APPROVED

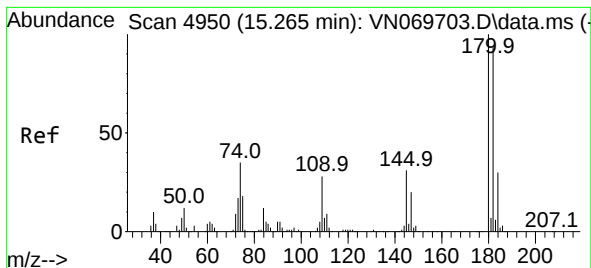
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.235 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

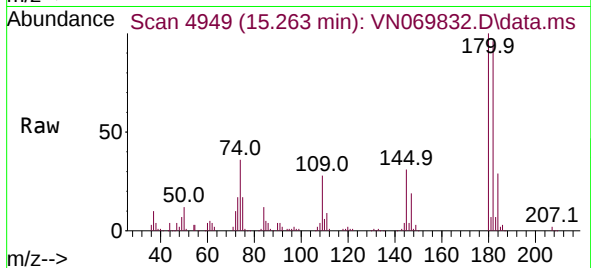
Tgt Ion: 75 Resp: 63727
Ion Ratio Lower Upper
75 100
155 72.0 46.9 140.7
157 91.1 60.6 181.7





#93
1,2,4-Trichlorobenzene
Concen: 18.555 ug/l
RT: 15.263 min Scan# 4950
Delta R.T. -0.002 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

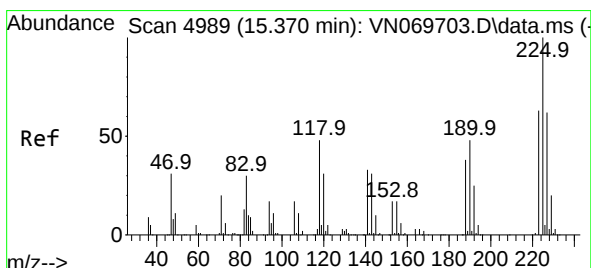
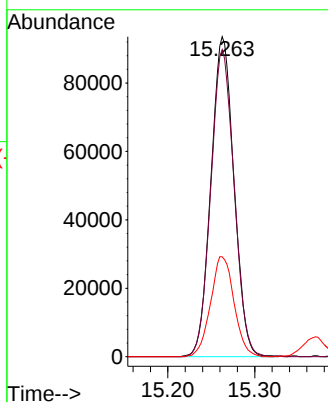
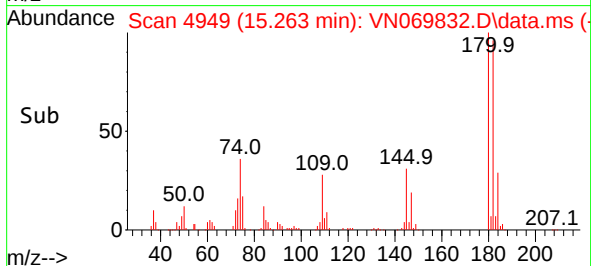
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02



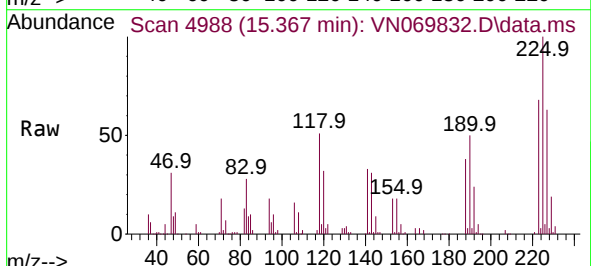
Tgt Ion:180 Resp: 171560
Ion Ratio Lower Upper
180 100
182 97.2 48.3 144.9
145 32.0 14.5 43.5

Manual Integrations
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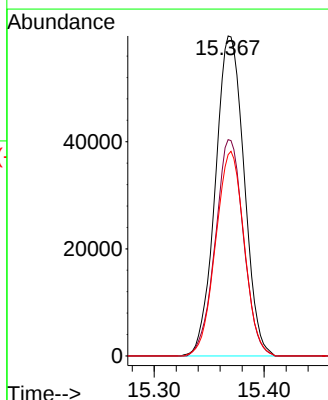
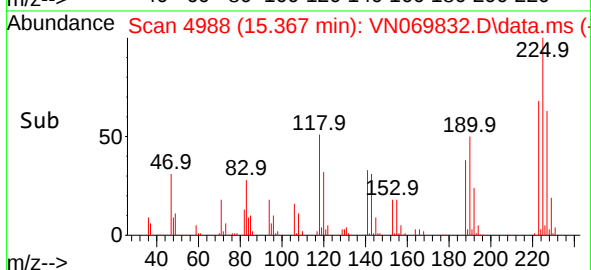
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

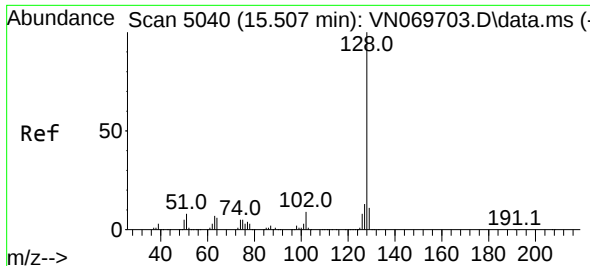


#94
Hexachlorobutadiene
Concen: 19.493 ug/l
RT: 15.367 min Scan# 4988
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53



Tgt Ion:225 Resp: 108630
Ion Ratio Lower Upper
225 100
223 66.2 31.9 95.7
227 63.4 32.1 96.3





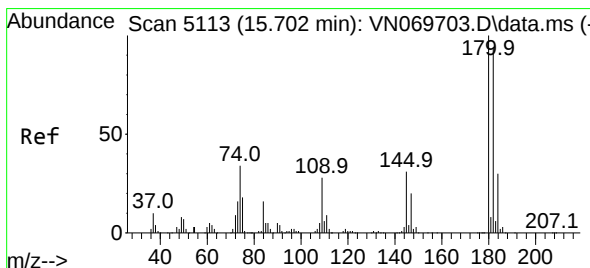
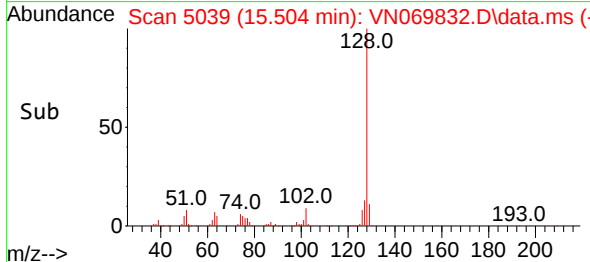
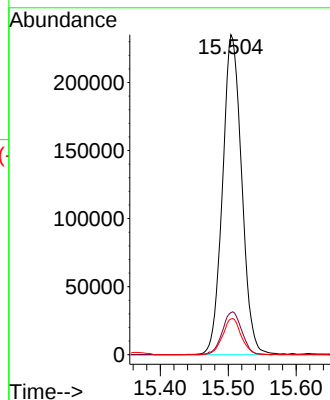
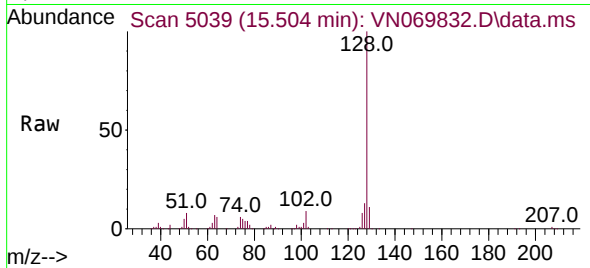
#95
Naphthalene
Concen: 17.764 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tgt Ion:128 Resp: 459920
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 11.0 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#96
1,2,3-Trichlorobenzene
Concen: 18.634 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069832.D
Acq: 7 Dec 2021 23:53

Tgt Ion:180 Resp: 171148
Ion Ratio Lower Upper
180 100
182 96.7 47.4 142.2
145 33.5 15.0 45.1

