

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
 Data File : VN078910.D
 Acq On : 16 Aug 2023 18:07
 Operator : JC\MD
 Sample : VN0816MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/17/2023
 Supervised By : Mahesh Dadoda 08/17/2023

Quant Time: Aug 17 01:19:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	147050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	282928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	252117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	128738	56.261	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.520%			
35) Dibromofluoromethane	8.177	113	98168	51.545	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.080%			
50) Toluene-d8	10.571	98	364705	51.573	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.140%			
62) 4-Bromofluorobenzene	12.853	95	118051	51.072	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	37082	18.174	ug/l	100
3) Chloromethane	2.365	50	54639	19.180	ug/l	96
4) Vinyl Chloride	2.512	62	52654	21.075	ug/l	93
5) Bromomethane	2.942	94	30269	21.102	ug/l	93
6) Chloroethane	3.118	64	38008	21.762	ug/l	96
7) Trichlorofluoromethane	3.495	101	60229	19.793	ug/l	95
8) Diethyl Ether	3.971	74	23106	20.029	ug/l #	55
9) 1,1,2-Trichlorotrifluo...	4.365	101	31497	19.435	ug/l	98
10) Methyl Iodide	4.589	142	33536	18.495	ug/l	94
11) Tert butyl alcohol	5.542	59	42119	109.694	ug/l	98
12) 1,1-Dichloroethene	4.348	96	30620	19.396	ug/l	84
13) Acrolein	4.189	56	35782	159.713	ug/l	93
14) Allyl chloride	5.024	41	63376	20.170	ug/l #	88
15) Acrylonitrile	5.730	53	113881	109.481	ug/l	99
16) Acetone	4.436	43	99206	105.074	ug/l	93
17) Carbon Disulfide	4.706	76	81720	18.493	ug/l	100
18) Methyl Acetate	5.036	43	90039	22.574	ug/l #	82
19) Methyl tert-butyl Ether	5.800	73	119271	20.973	ug/l #	89
20) Methylene Chloride	5.289	84	42235	20.991	ug/l #	80
21) trans-1,2-Dichloroethene	5.789	96	35385	19.988	ug/l #	83
22) Diisopropyl ether	6.677	45	141698	21.317	ug/l #	87
23) Vinyl Acetate	6.612	43	446944	102.119	ug/l #	84
24) 1,1-Dichloroethane	6.571	63	76644	21.106	ug/l	96
25) 2-Butanone	7.494	43	160762	106.202	ug/l #	78
26) 2,2-Dichloropropane	7.494	77	46932	15.989	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	43041	20.003	ug/l	88
28) Bromochloromethane	7.812	49	43951	22.816	ug/l #	71
29) Tetrahydrofuran	7.847	42	109464	109.252	ug/l #	69
30) Chloroform	7.971	83	76977	21.218	ug/l	90
31) Cyclohexane	8.259	56	57861	18.618	ug/l #	84
32) 1,1,1-Trichloroethane	8.171	97	64803	20.949	ug/l	94
36) 1,1-Dichloropropene	8.377	75	50797	17.731	ug/l	95
37) Ethyl Acetate	7.571	43	66968	20.892	ug/l #	89
38) Carbon Tetrachloride	8.371	117	54184	18.876	ug/l	96
39) Methylcyclohexane	9.606	83	45129	17.128	ug/l #	87
40) Benzene	8.612	78	164951	19.479	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	33964	19.455	ug/l #	84
42) 1,2-Dichloroethane	8.677	62	64807	20.485	ug/l	96
43) Isopropyl Acetate	8.694	43	157389	27.780	ug/l #	76
44) Trichloroethene	9.359	130	37506	18.641	ug/l	96
45) 1,2-Dichloropropane	9.624	63	45428	20.150	ug/l	93
46) Dibromomethane	9.712	93	30769	19.897	ug/l	97
47) Bromodichloromethane	9.894	83	61894	20.269	ug/l	96
48) Methyl methacrylate	9.688	41	49375	19.232	ug/l #	77
49) 1,4-Dioxane	9.706	88	18541	423.995	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	341319	101.576	ug/l #	86
52) Toluene	10.635	92	100168	19.267	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	61262	18.708	ug/l	89
54) cis-1,3-Dichloropropene	10.318	75	66790	18.727	ug/l #	86
55) 1,1,2-Trichloroethane	11.018	97	42324	20.303	ug/l	92
56) Ethyl methacrylate	10.877	69	62147	19.232	ug/l #	70
57) 1,3-Dichloropropane	11.165	76	73968	19.838	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	156881	101.137	ug/l	90
59) 2-Hexanone	11.200	43	252765	103.855	ug/l	81
60) Dibromochloromethane	11.365	129	43156	19.673	ug/l	100
61) 1,2-Dibromoethane	11.477	107	41335	19.512	ug/l	97
64) Tetrachloroethene	11.112	164	30145	19.066	ug/l	89
65) Chlorobenzene	11.894	112	104814	19.531	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	40119	19.781	ug/l	97
67) Ethyl Benzene	11.971	91	181547	18.602	ug/l	100
68) m/p-Xylenes	12.076	106	137233	37.610	ug/l	98
69) o-Xylene	12.406	106	65792	18.536	ug/l	92
70) Styrene	12.418	104	110167	18.614	ug/l	98
71) Bromoform	12.582	173	29219	19.817	ug/l #	98
73) Isopropylbenzene	12.700	105	160132	18.396	ug/l	100
74) N-amyl acetate	12.500	43	85526	19.465	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.941	83	67251	21.397	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	51722m	20.562	ug/l	
77) Bromobenzene	12.982	156	39392	18.826	ug/l	87
78) n-propylbenzene	13.041	91	189613	18.785	ug/l	97
79) 2-Chlorotoluene	13.129	91	119693	19.116	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	132280	19.176	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	20483	20.801	ug/l #	84
82) 4-Chlorotoluene	13.223	91	115836	18.907	ug/l	98
83) tert-Butylbenzene	13.441	119	112088	19.339	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	132317	19.371	ug/l	100
85) sec-Butylbenzene	13.623	105	146639	18.384	ug/l	98
86) p-Isopropyltoluene	13.735	119	115767	18.166	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	67527	18.755	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	67108	18.622	ug/l	99
89) n-Butylbenzene	14.059	91	90764	17.307	ug/l	96
90) Hexachloroethane	14.335	117	24766	19.387	ug/l	85
91) 1,2-Dichlorobenzene	14.112	146	68653	19.174	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	11174	18.791	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	19844	15.634	ug/l	94
94) Hexachlorobutadiene	15.512	225	12681	17.226	ug/l	97
95) Naphthalene	15.647	128	62806	14.957	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	23207	16.693	ug/l	99

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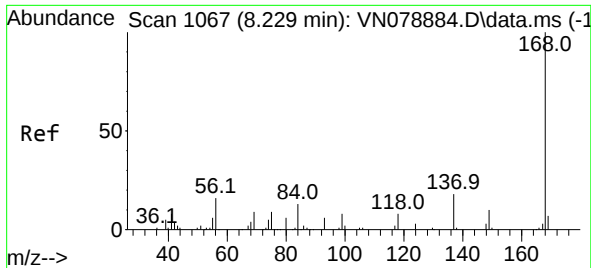
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

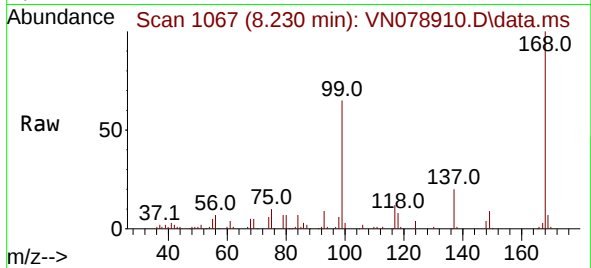
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
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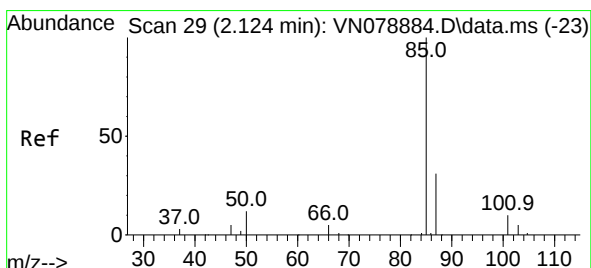
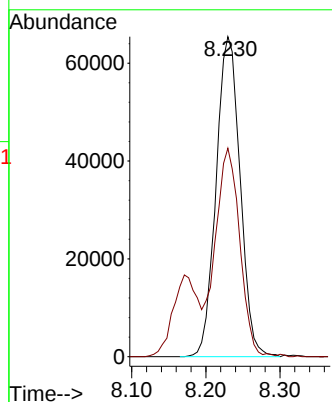
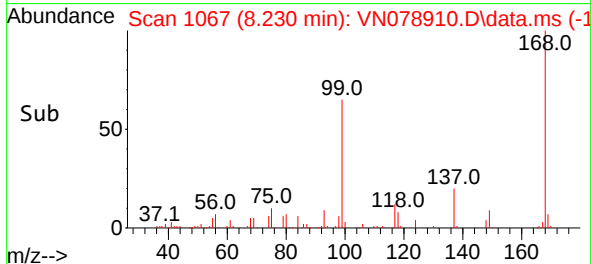
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Tgt Ion:168 Resp: 147050
Ion Ratio Lower Upper
168 100
99 64.4 53.0 79.6

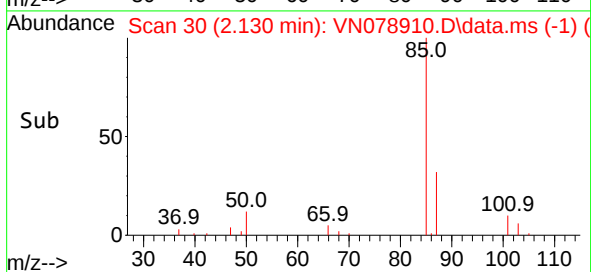
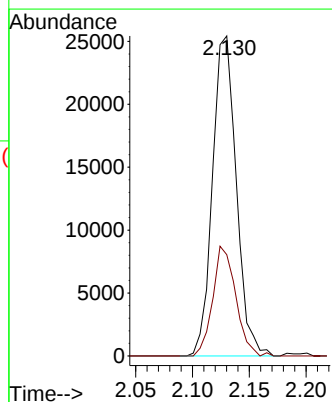
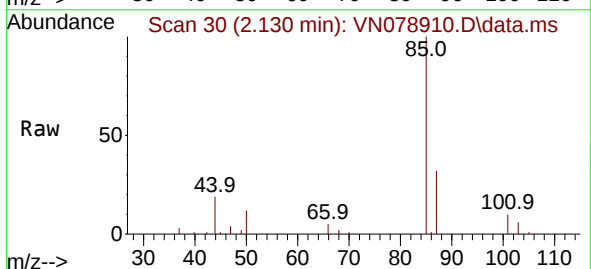
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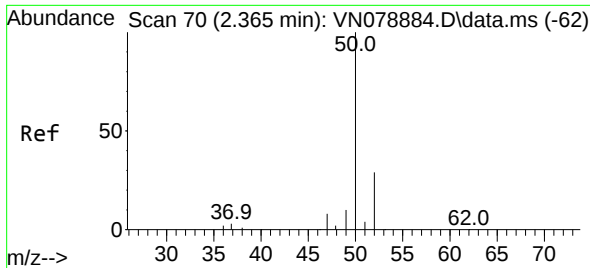
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#2
Dichlorodifluoromethane
Concen: 18.174 ug/l
RT: 2.130 min Scan# 30
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Tgt Ion: 85 Resp: 37082
Ion Ratio Lower Upper
85 100
87 31.6 15.8 47.4





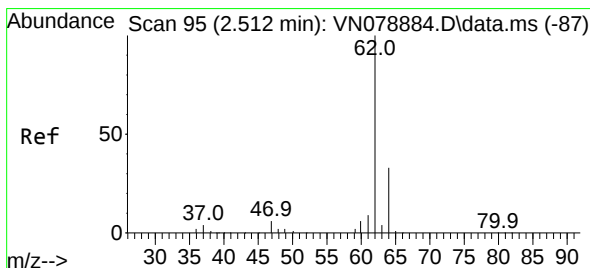
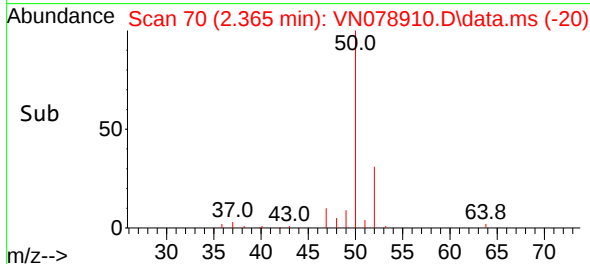
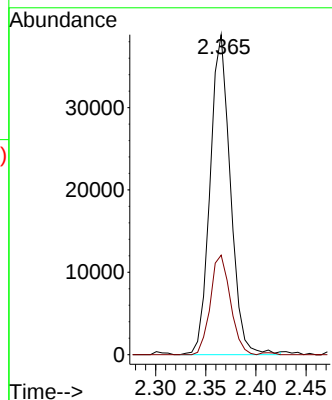
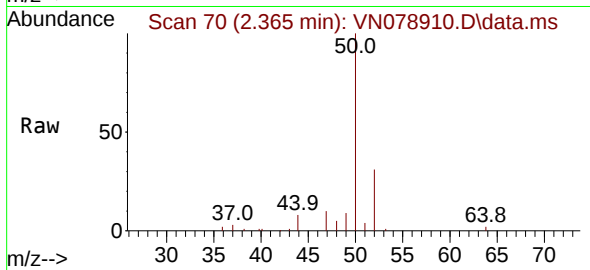
#3
Chloromethane
Concen: 19.180 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Instrument :
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Tgt Ion: 50 Resp: 54639
Ion Ratio Lower Upper
50 100
52 31.1 26.5 39.7

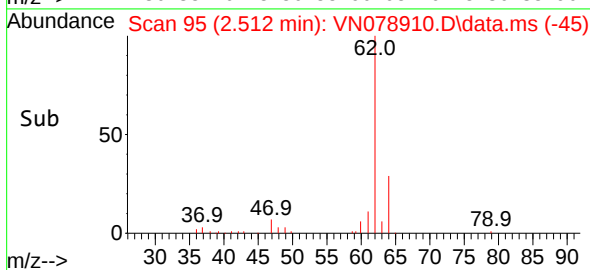
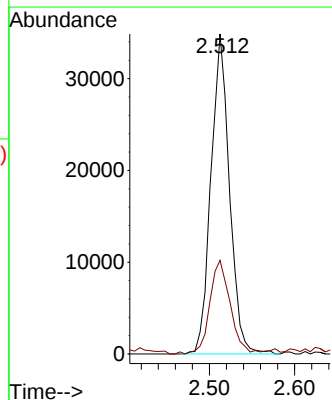
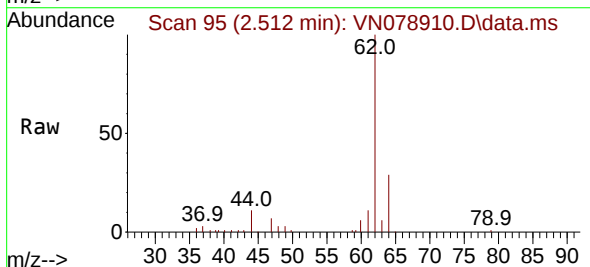
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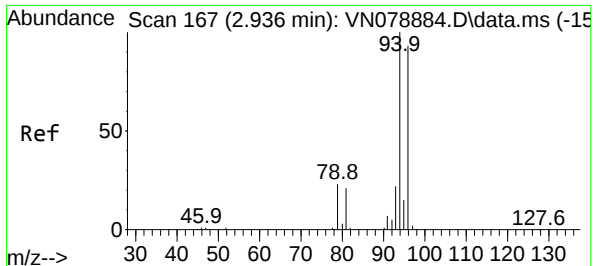
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#4
Vinyl Chloride
Concen: 21.075 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Tgt Ion: 62 Resp: 52654
Ion Ratio Lower Upper
62 100
64 28.7 26.2 39.2





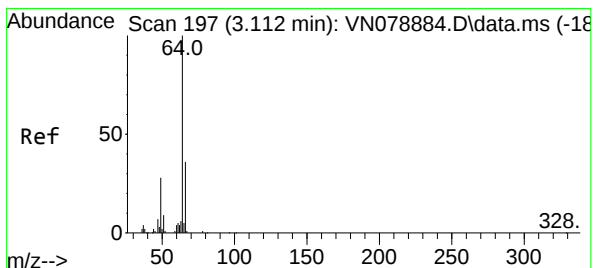
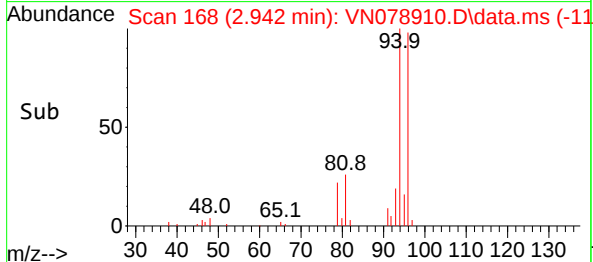
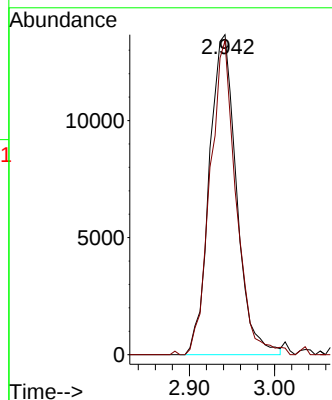
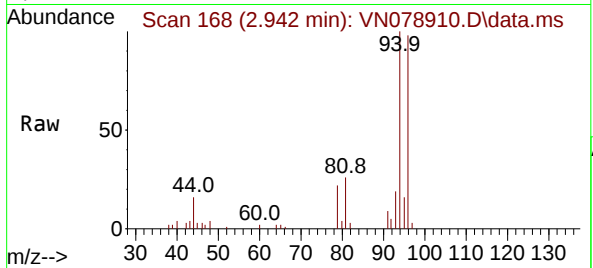
#5
Bromomethane
Concen: 21.102 ug/l
RT: 2.942 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Instrument :
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Tgt Ion: 94 Resp: 30269
Ion Ratio Lower Upper
94 100
96 98.0 73.1 109.7

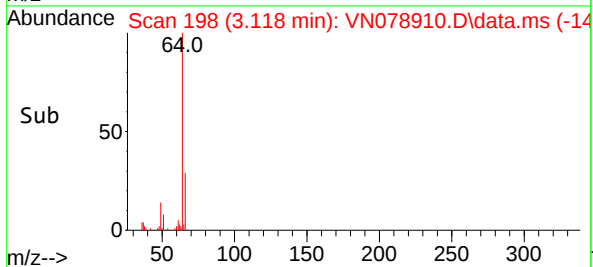
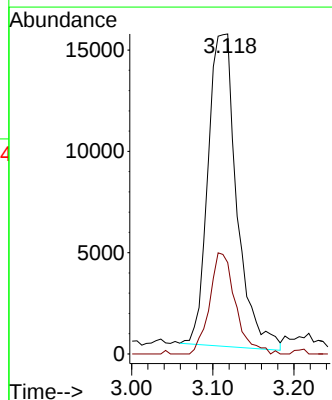
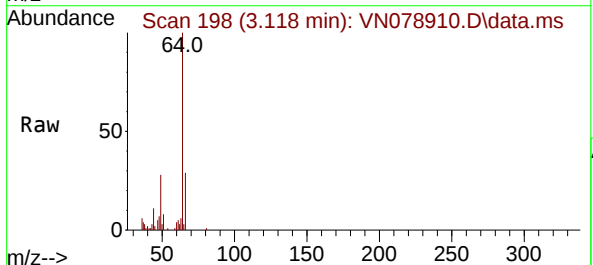
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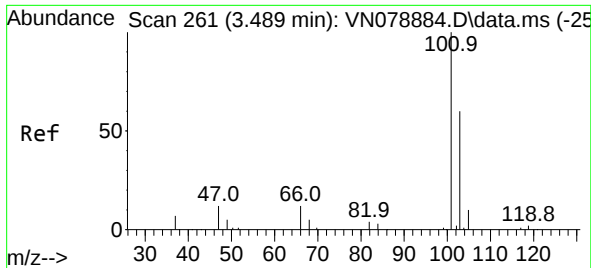
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#6
Chloroethane
Concen: 21.762 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

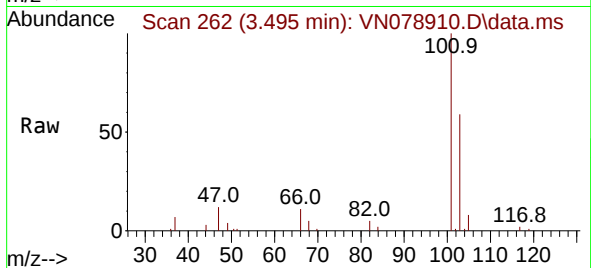
Tgt Ion: 64 Resp: 38008
Ion Ratio Lower Upper
64 100
66 29.5 25.4 38.2





#7
Trichlorofluoromethane
Concen: 19.793 ug/l
RT: 3.495 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

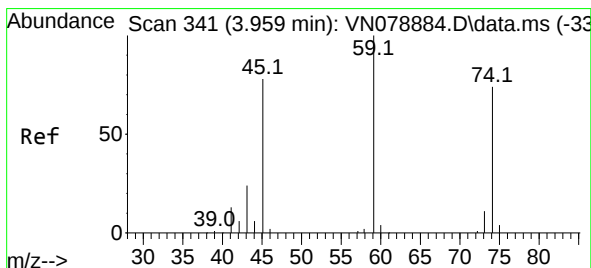
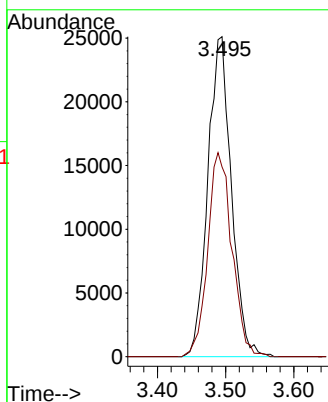
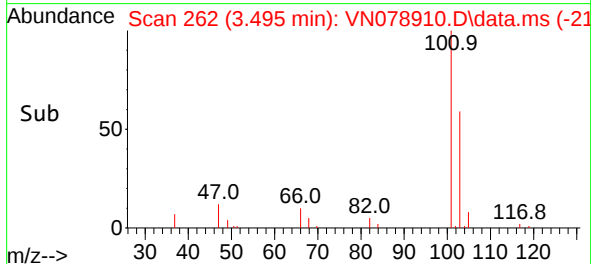
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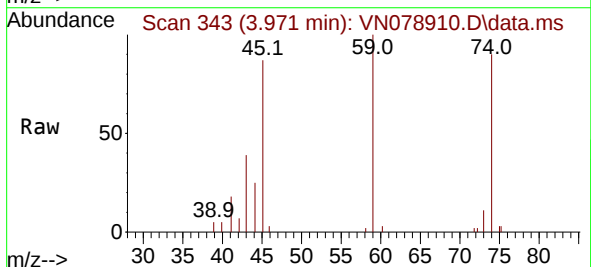
Tgt Ion:101 Resp: 60229
Ion Ratio Lower Upper
101 100
103 59.3 50.7 76.1

Manual Integrations
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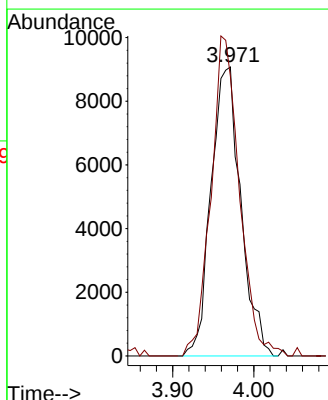
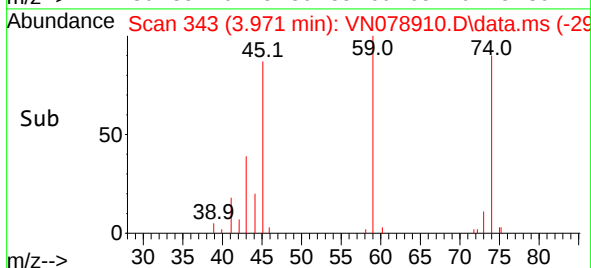
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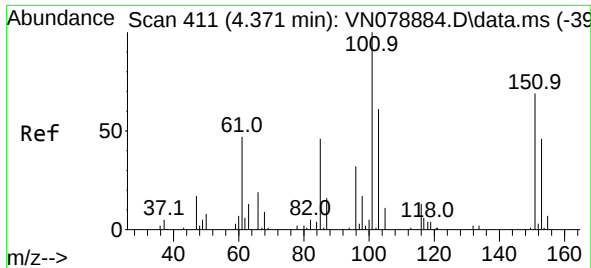


#8
Diethyl Ether
Concen: 20.029 ug/l
RT: 3.971 min Scan# 343
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07



Tgt Ion: 74 Resp: 23106
Ion Ratio Lower Upper
74 100
45 105.7 34.4 103.3#





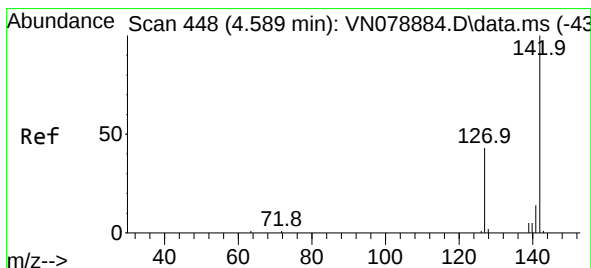
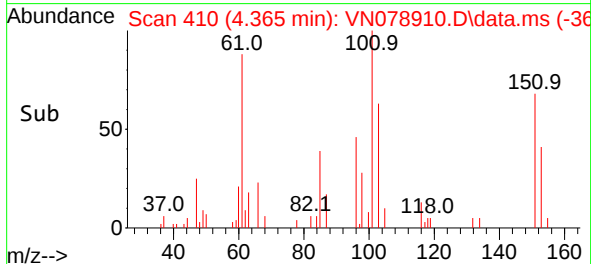
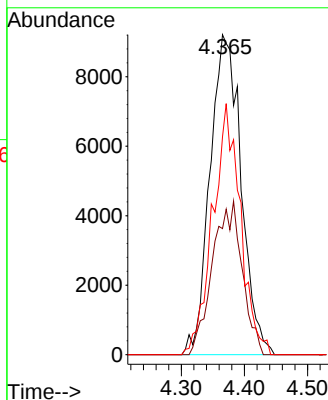
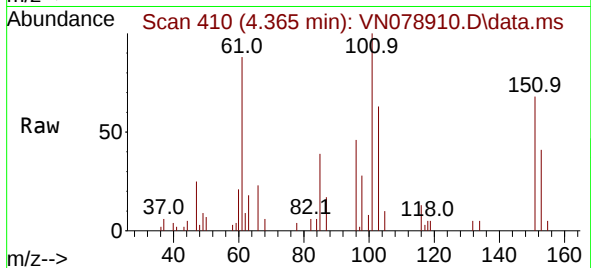
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.435 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.012 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tgt Ion:101 Resp: 3149
Ion Ratio Lower Upper
101 100
85 45.7 36.6 55.0
151 70.0 57.6 86.4

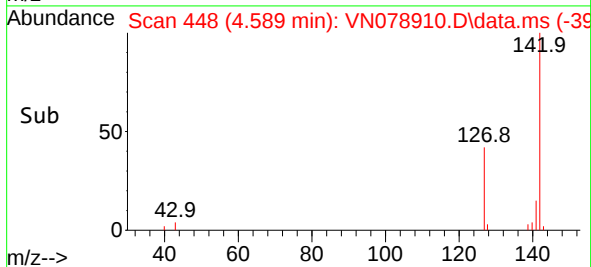
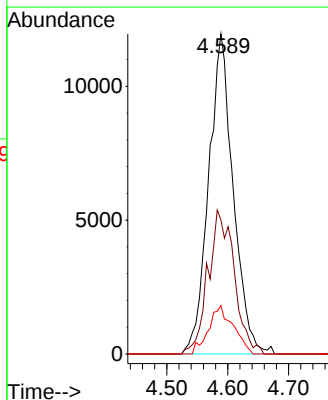
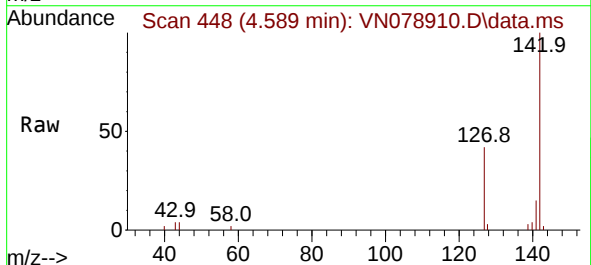
Manual Integrations
APPROVED

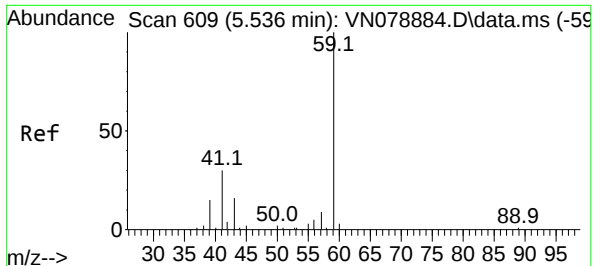
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#10
Methyl Iodide
Concen: 18.495 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.011 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

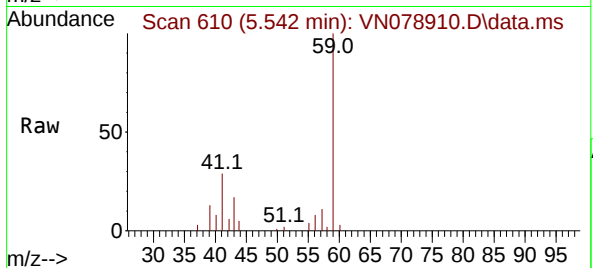
Tgt Ion:142 Resp: 33536
Ion Ratio Lower Upper
142 100
127 41.8 37.6 56.4
141 15.1 11.4 17.0





#11
Tert butyl alcohol
Concen: 109.694 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

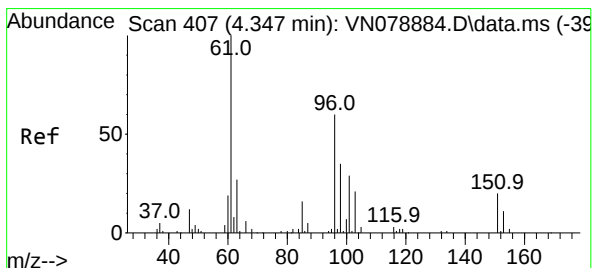
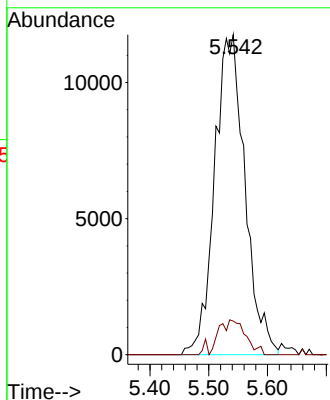
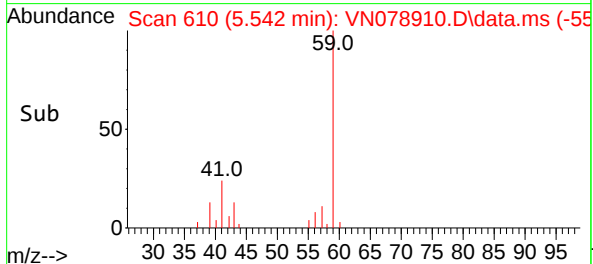
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion: 59 Resp: 42119
Ion Ratio Lower Upper
59 100
57 9.5 8.2 12.4

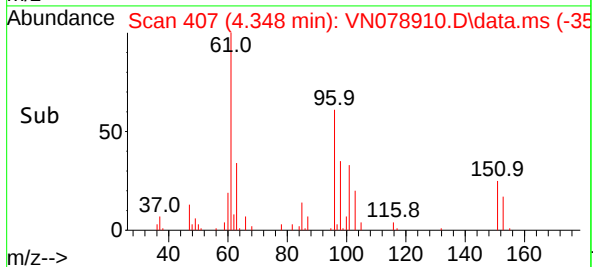
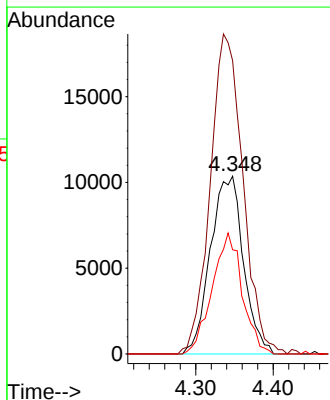
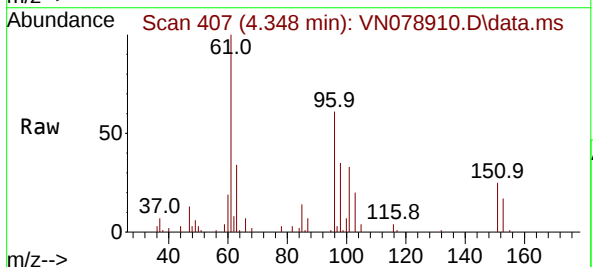
Manual Integrations
APPROVED

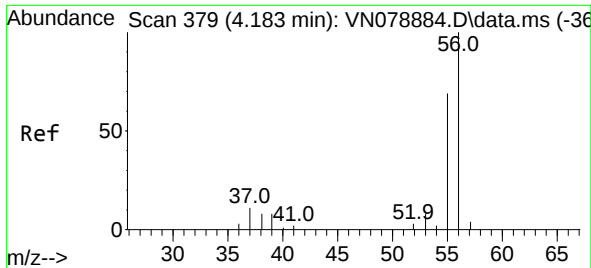
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#12
1,1-Dichloroethene
Concen: 19.396 ug/l
RT: 4.348 min Scan# 407
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Tgt Ion: 96 Resp: 30620
Ion Ratio Lower Upper
96 100
61 165.2 112.7 169.1
98 58.6 51.2 76.8





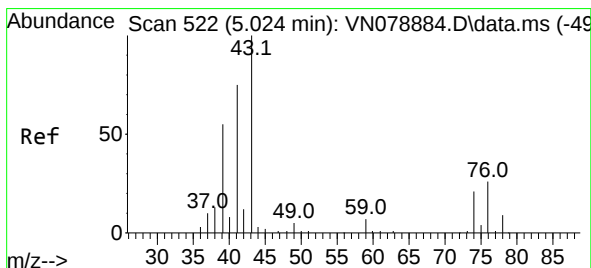
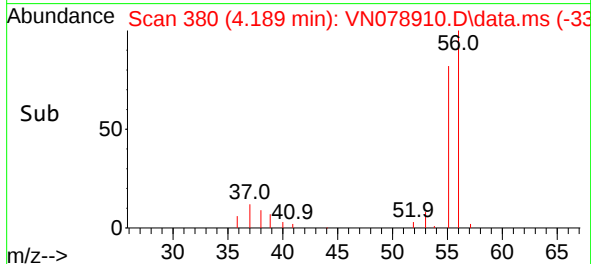
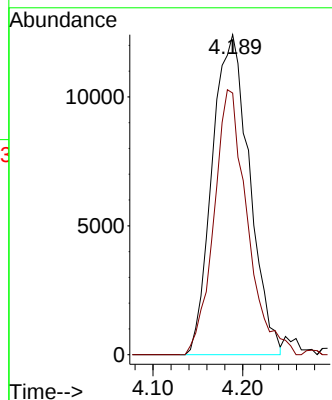
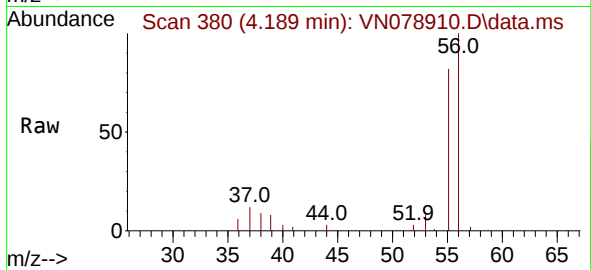
#13
Acrolein
Concen: 159.713 ug/l
RT: 4.189 min Scan# 379
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tgt Ion: 56 Resp: 3578
Ion Ratio Lower Upper
56 100
55 74.1 54.5 81.7

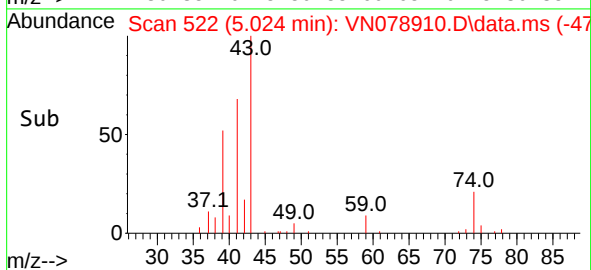
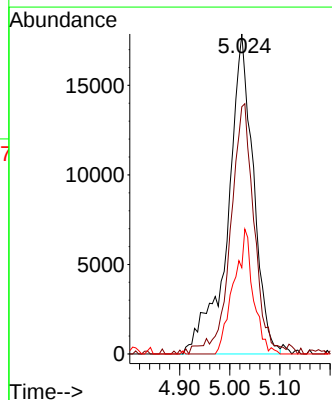
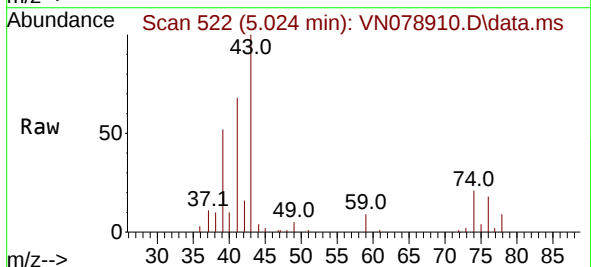
Manual Integrations
APPROVED

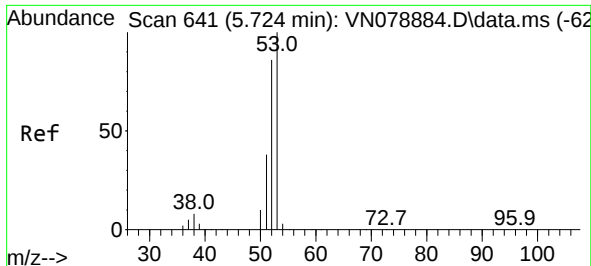
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#14
Allyl chloride
Concen: 20.170 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

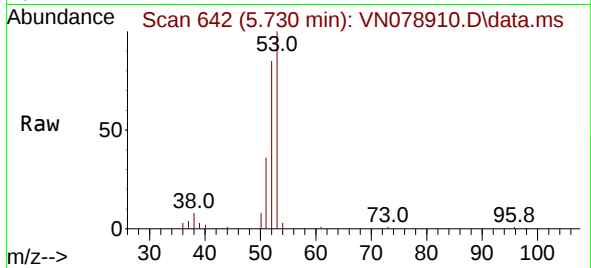
Tgt Ion: 41 Resp: 63376
Ion Ratio Lower Upper
41 100
39 72.0 58.8 88.2
76 29.9 39.1 58.7#





#15
Acrylonitrile
Concen: 109.481 ug/l
RT: 5.730 min Scan# 641
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

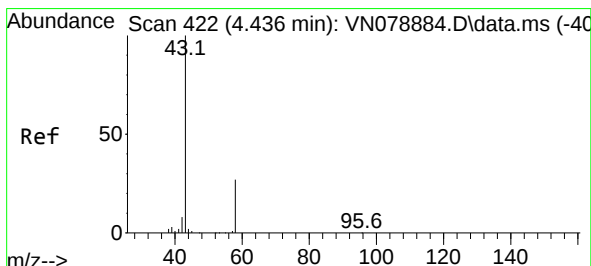
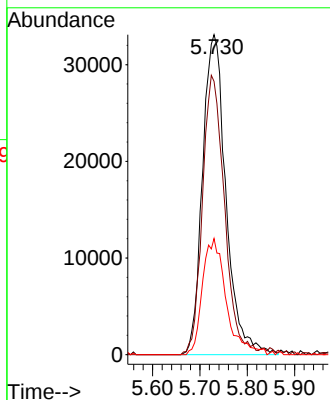
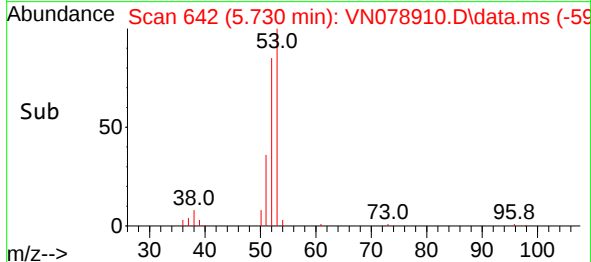
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion: 53 Resp: 11388
Ion Ratio Lower Upper
53 100
52 82.1 65.3 97.9
51 36.7 28.9 43.3

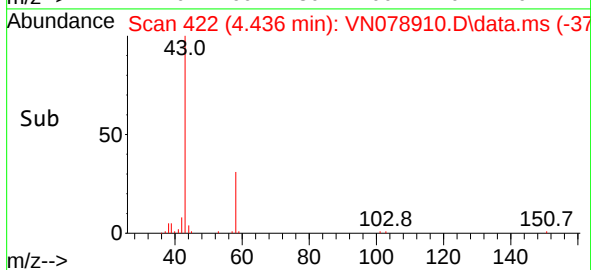
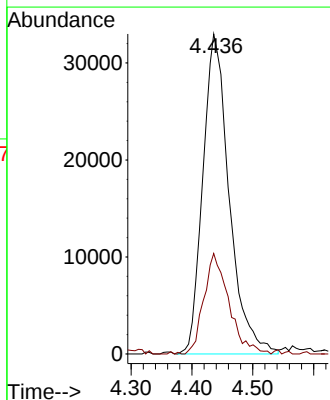
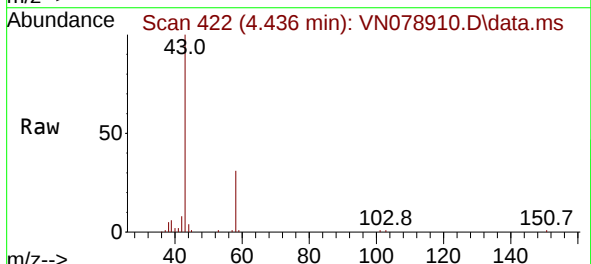
Manual Integrations
APPROVED

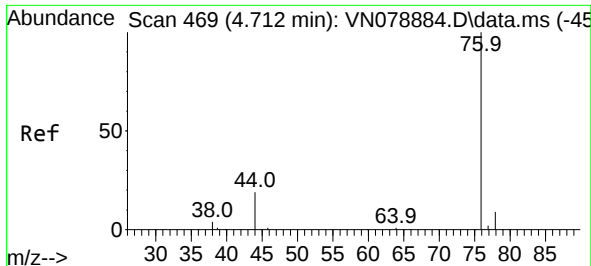
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#16
Acetone
Concen: 105.074 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

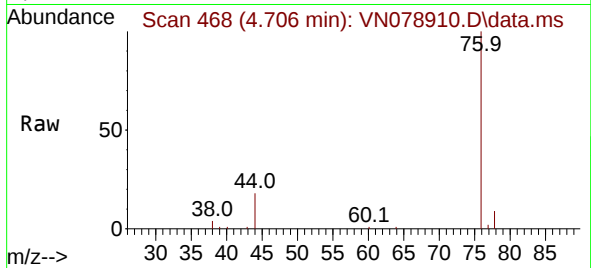
Tgt Ion: 43 Resp: 99206
Ion Ratio Lower Upper
43 100
58 30.9 28.0 42.0





#17
Carbon Disulfide
Concen: 18.493 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.018 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

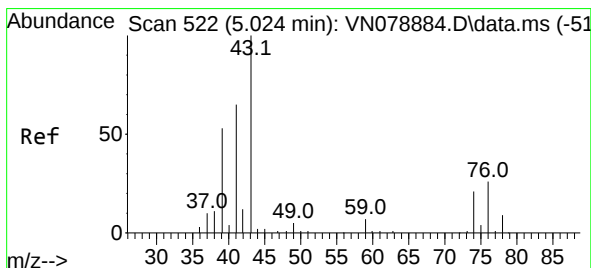
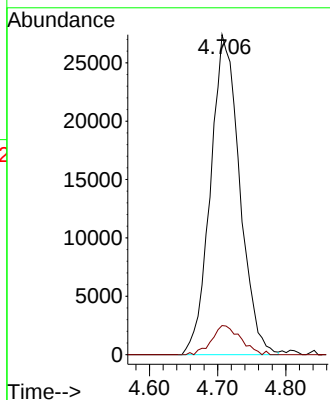
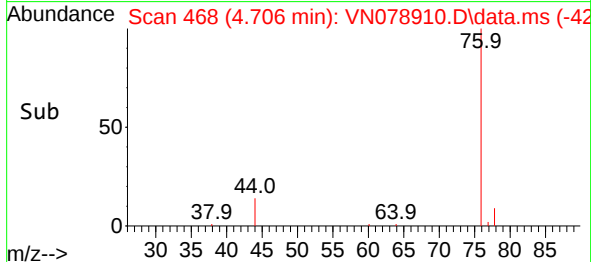
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion: 76 Resp: 81720
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

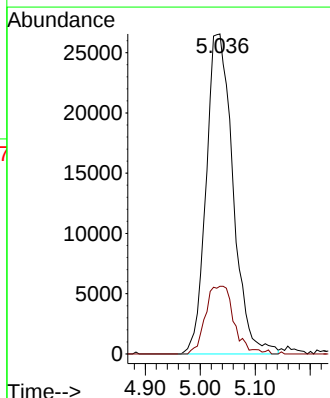
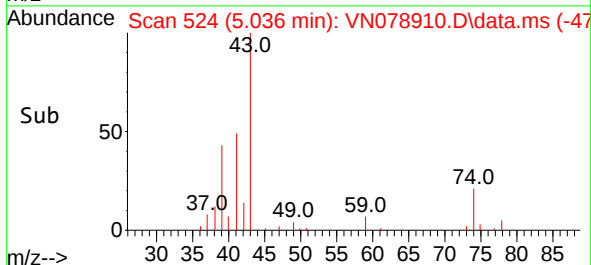
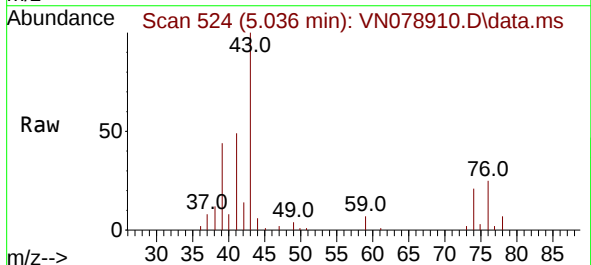
Manual Integrations
APPROVED

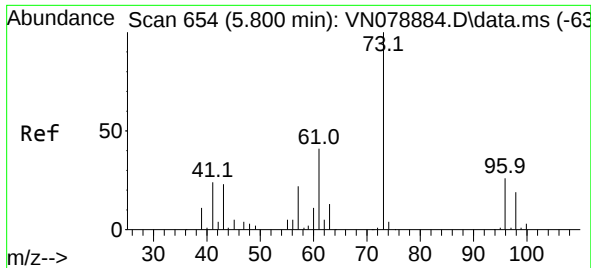
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#18
Methyl Acetate
Concen: 22.574 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Tgt Ion: 43 Resp: 90039
Ion Ratio Lower Upper
43 100
74 22.5 26.2 39.4#





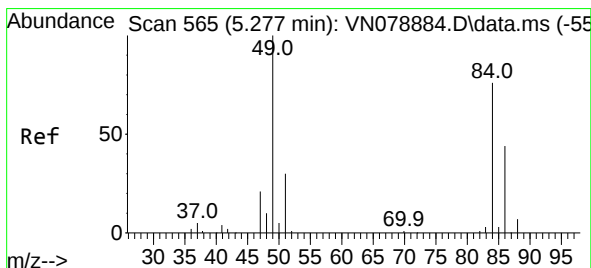
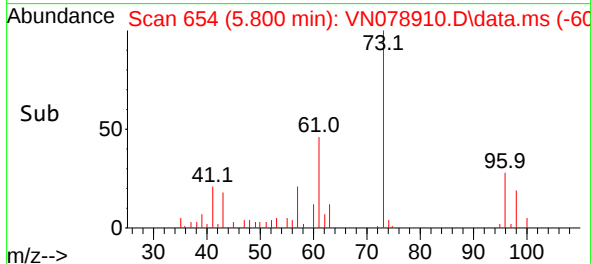
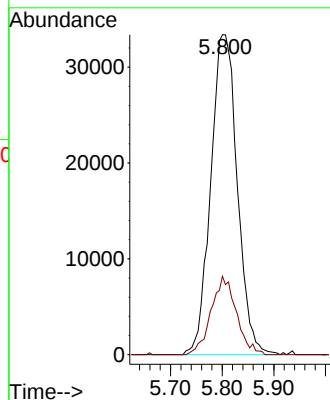
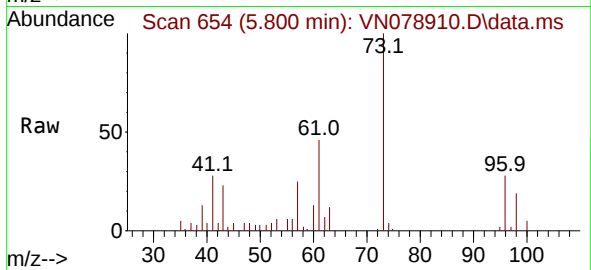
#19
Methyl tert-butyl Ether
Concen: 20.973 ug/l
RT: 5.800 min Scan# 611
Delta R.T. -0.018 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tgt Ion: 73 Resp: 11927
Ion Ratio Lower Upper
73 100
57 24.5 15.6 23.4

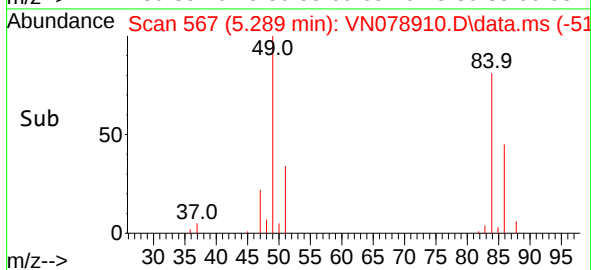
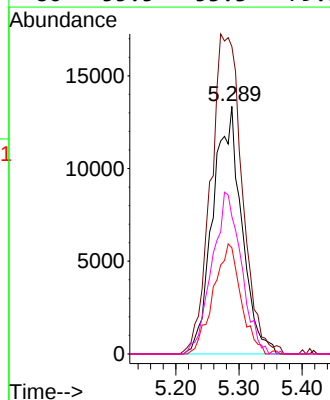
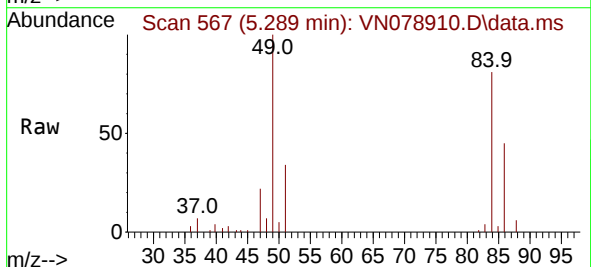
Manual Integrations
APPROVED

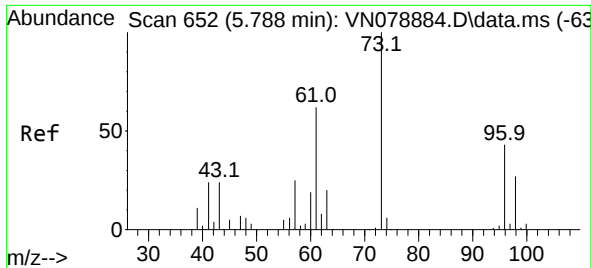
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#20
Methylene Chloride
Concen: 20.991 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

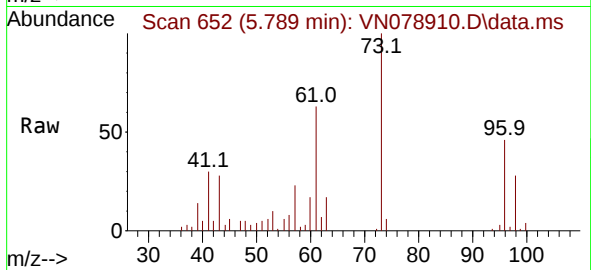
Tgt Ion: 84 Resp: 42235
Ion Ratio Lower Upper
84 100
49 124.1 79.7 119.5#
51 42.8 25.2 37.8#
86 55.5 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 19.988 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

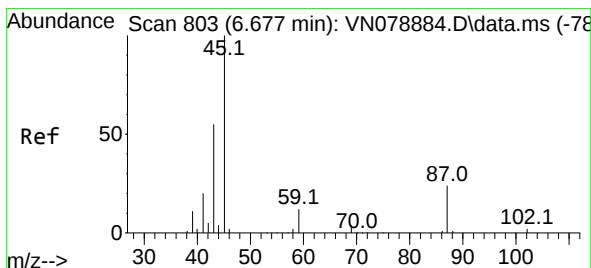
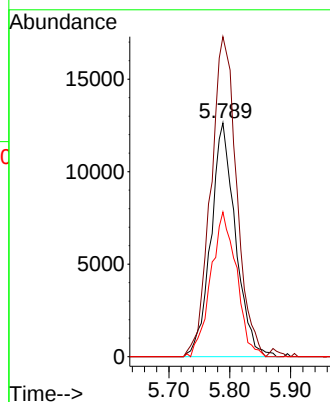
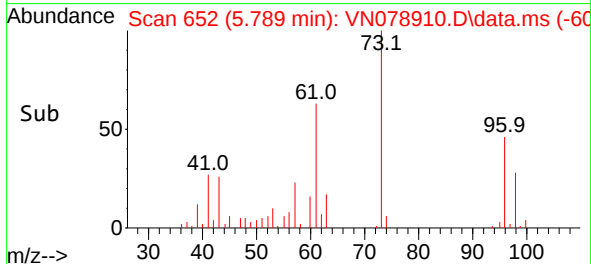
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion: 96 Resp: 3538
Ion Ratio Lower Upper
96 100
61 136.9 90.1 135.1
98 61.9 46.4 69.6

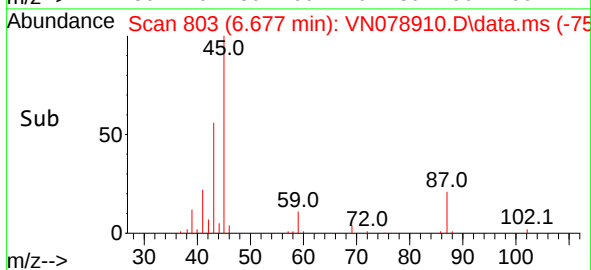
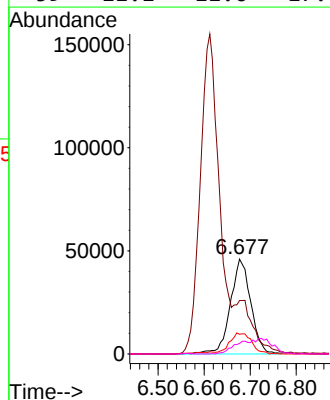
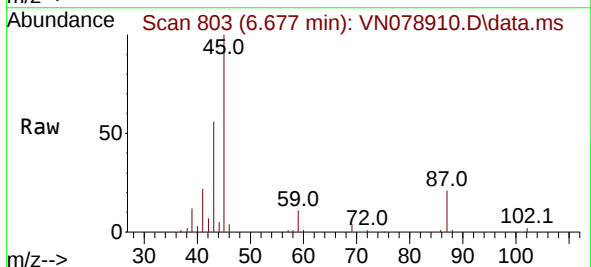
Manual Integrations
APPROVED

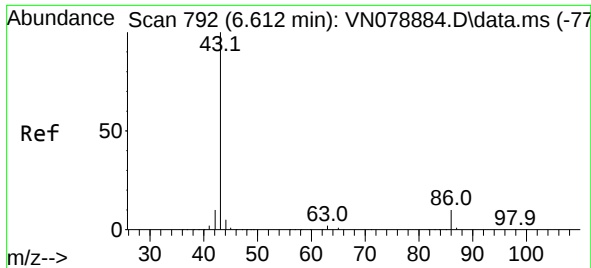
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#22
Diisopropyl ether
Concen: 21.317 ug/l
RT: 6.677 min Scan# 803
Delta R.T. -0.012 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

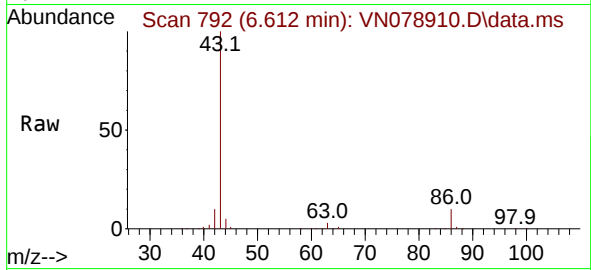
Tgt Ion: 45 Resp: 141698
Ion Ratio Lower Upper
45 100
43 55.8 45.5 68.3
87 20.7 31.8 47.8#
59 11.1 11.6 17.4#





#23
 Vinyl Acetate
 Concen: 102.119 ug/l
 RT: 6.612 min Scan# 792
 Delta R.T. 0.000 min
 Lab File: VN078910.D
 Acq: 16 Aug 2023 18:07

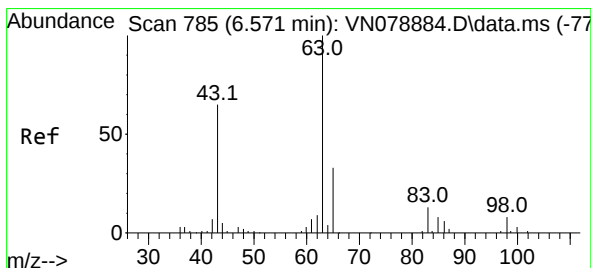
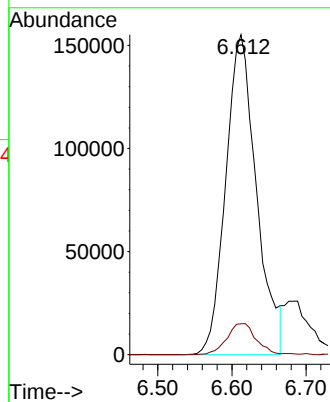
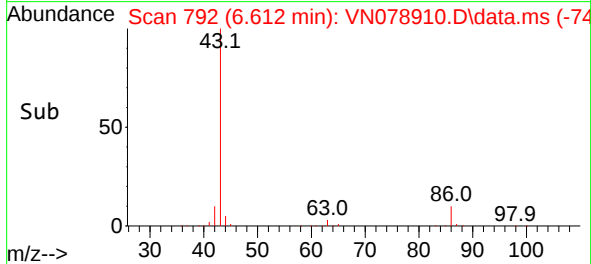
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01



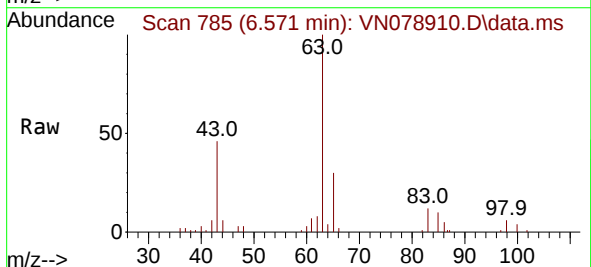
Tgt Ion: 43 Resp: 446944
 Ion Ratio Lower Upper
 43 100
 86 9.6 13.0 19.6

Manual Integrations
 APPROVED

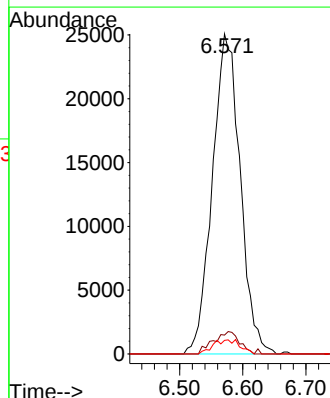
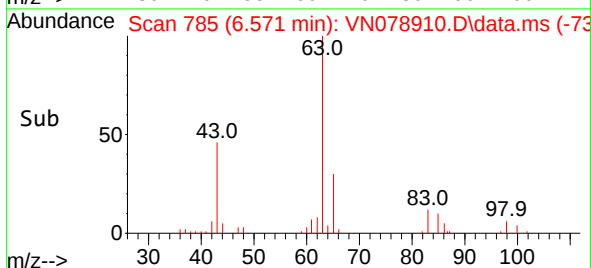
Reviewed By :John Carlone 08/17/2023
 Supervised By :Mahesh Dadoda 08/17/2023

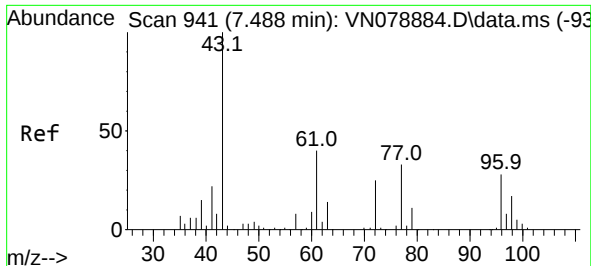


#24
 1,1-Dichloroethane
 Concen: 21.106 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. -0.006 min
 Lab File: VN078910.D
 Acq: 16 Aug 2023 18:07



Tgt Ion: 63 Resp: 76644
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.9 11.7
 100 4.2 2.5 7.4





#25

2-Butanone

Concen: 106.202 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tgt Ion: 43 Resp: 160762

Ion Ratio Lower Upper

43 100

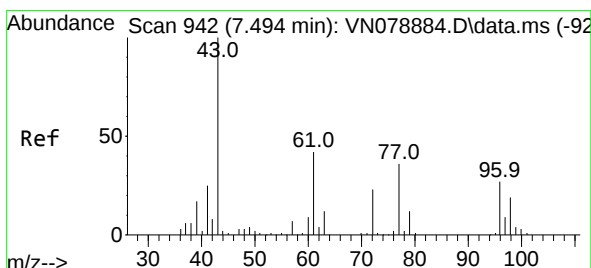
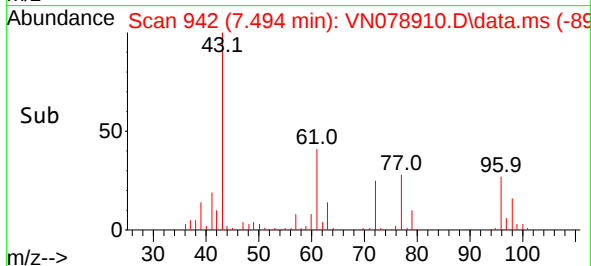
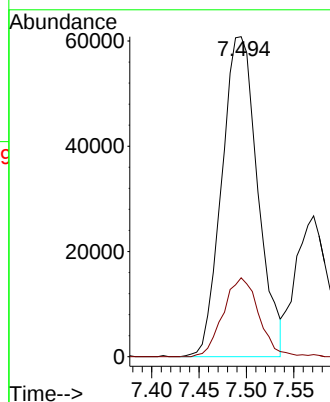
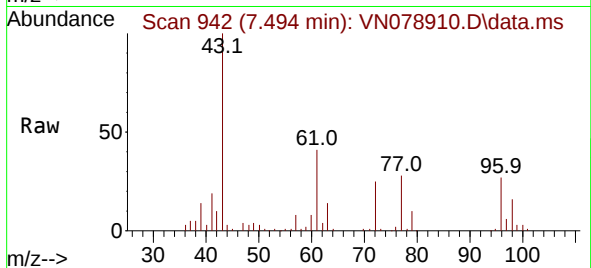
72 24.6 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2023

Supervised By :Mahesh Dadoda 08/17/2023



#26

2,2-Dichloropropane

Concen: 15.989 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.006 min

Lab File: VN078910.D

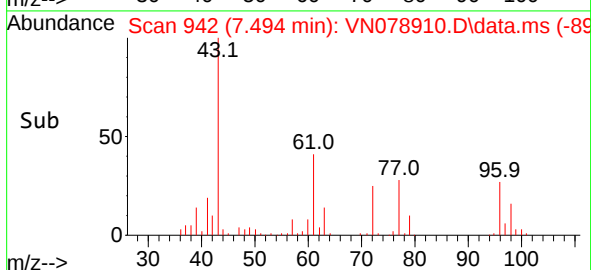
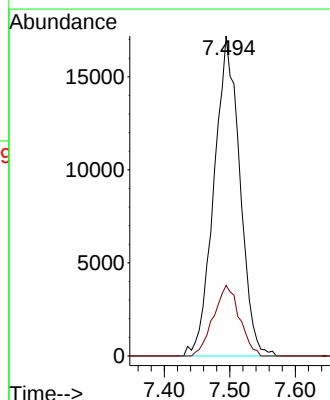
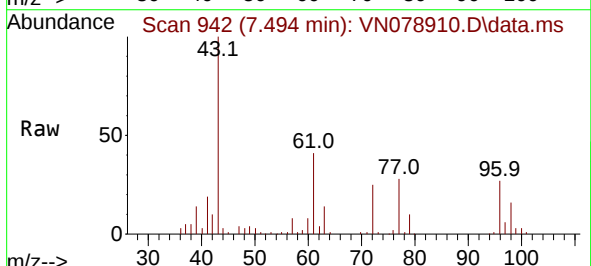
Acq: 16 Aug 2023 18:07

Tgt Ion: 77 Resp: 46932

Ion Ratio Lower Upper

77 100

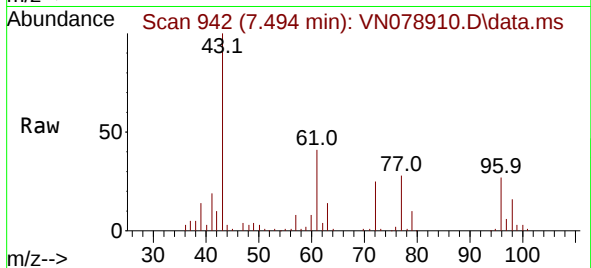
97 22.3 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 20.003 ug/l
 RT: 7.494 min Scan# 941
 Delta R.T. -0.006 min
 Lab File: VN078910.D
 Acq: 16 Aug 2023 18:07

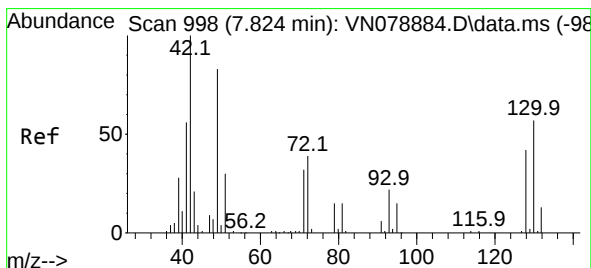
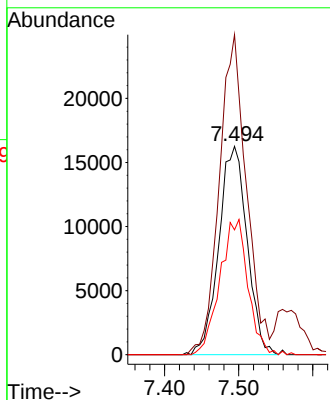
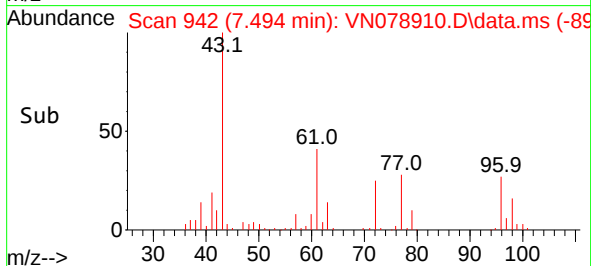
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01



Tgt Ion: 96 Resp: 4304
 Ion Ratio Lower Upper
 96 100
 61 147.5 0.0 255.2
 98 64.7 0.0 128.8

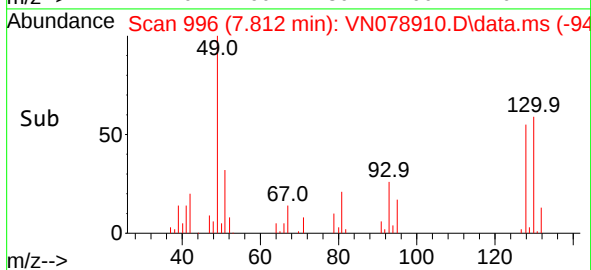
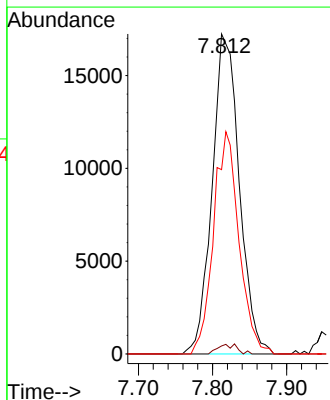
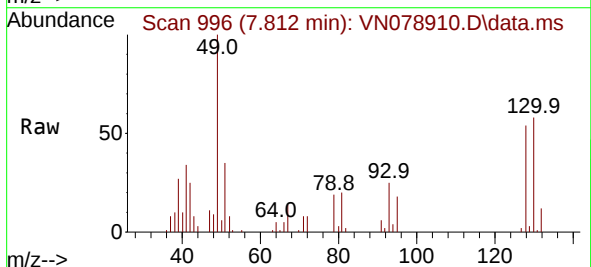
Manual Integrations
 APPROVED

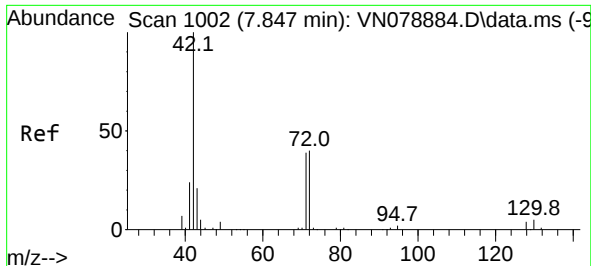
Reviewed By :John Carlone 08/17/2023
 Supervised By :Mahesh Dadoda 08/17/2023



#28
 Bromochloromethane
 Concen: 22.816 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. -0.012 min
 Lab File: VN078910.D
 Acq: 16 Aug 2023 18:07

Tgt Ion: 49 Resp: 43951
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.8
 130 65.1 75.3 112.9#





#29

Tetrahydrofuran

Concen: 109.252 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VN078910.D

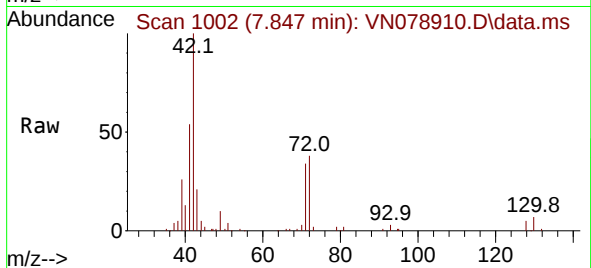
Acq: 16 Aug 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01



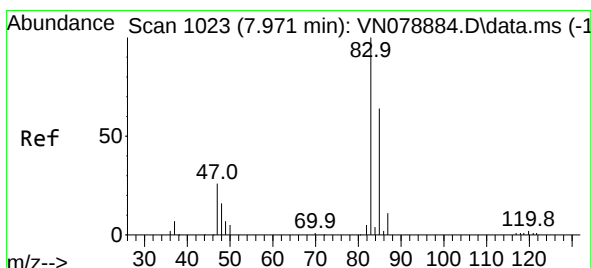
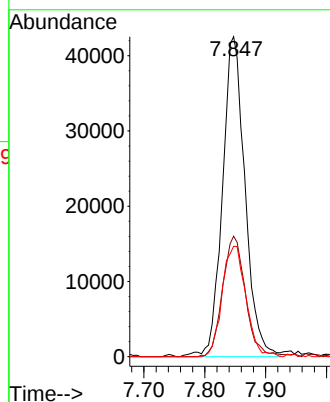
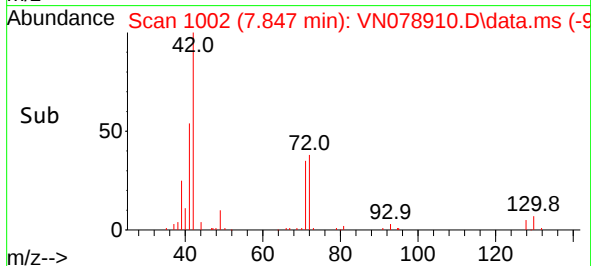
Tgt Ion:	42	Resp:	10946
Ion Ratio	Lower	Upper	
42	100		
72	38.4	49.8	74.6
71	36.4	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2023

Supervised By :Mahesh Dadoda 08/17/2023



#30

Chloroform

Concen: 21.218 ug/l

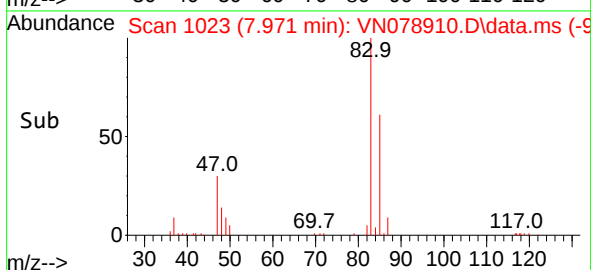
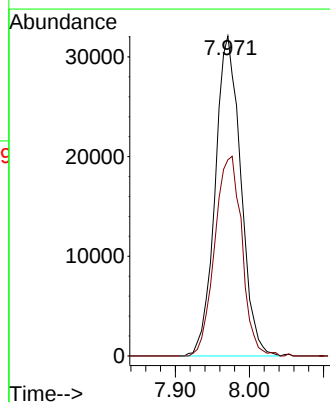
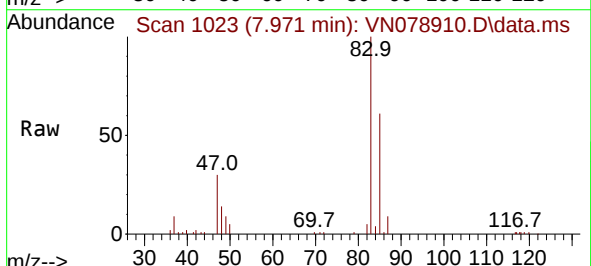
RT: 7.971 min Scan# 1023

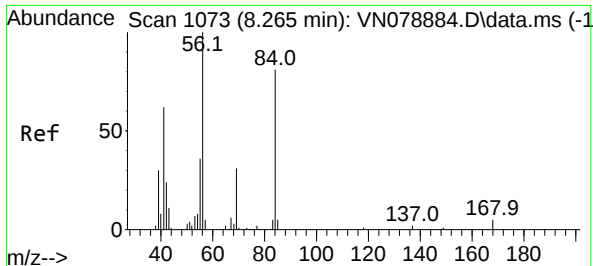
Delta R.T. -0.006 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

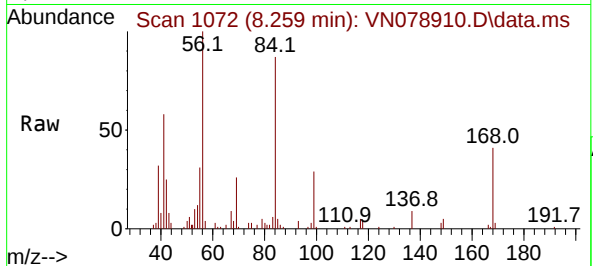
Tgt Ion:	83	Resp:	76977
Ion Ratio	Lower	Upper	
83	100		
85	61.3	55.4	83.0





#31
Cyclohexane
Concen: 18.618 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

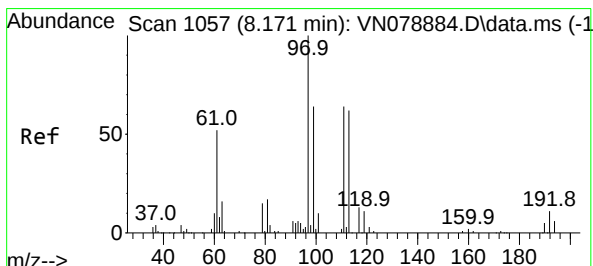
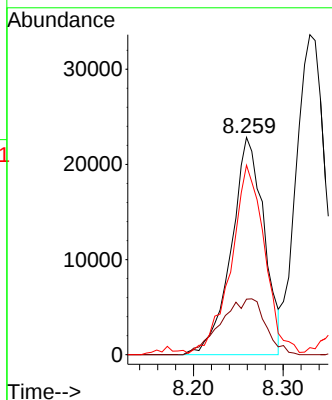
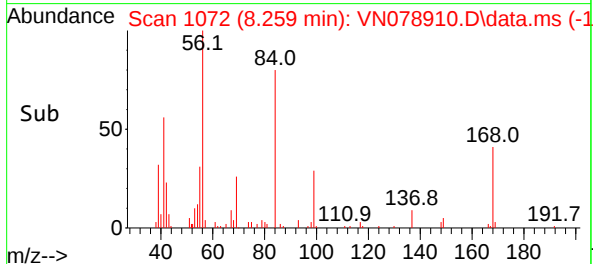
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion: 56 Resp: 5786
Ion Ratio Lower Upper
56 100
69 25.6 26.8 40.2
84 85.5 81.8 122.6

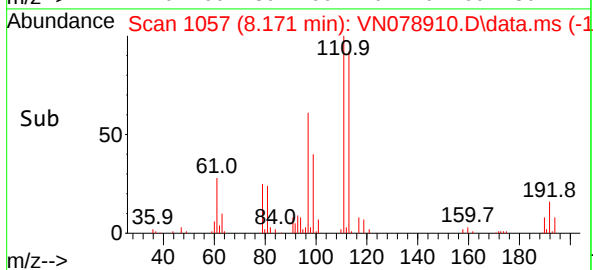
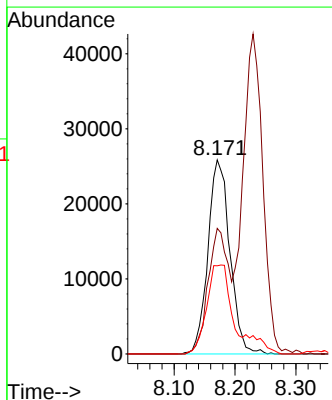
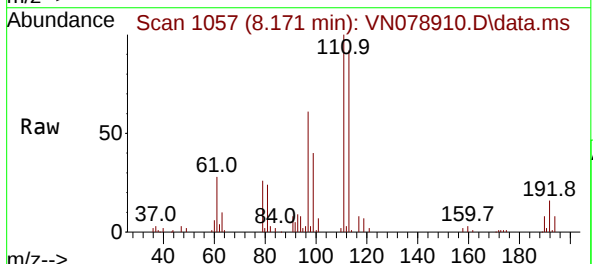
Manual Integrations
APPROVED

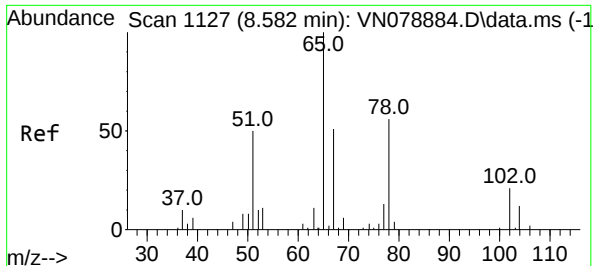
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#32
1,1,1-Trichloroethane
Concen: 20.949 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Tgt Ion: 97 Resp: 64803
Ion Ratio Lower Upper
97 100
99 60.1 50.3 75.5
61 49.9 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 56.261 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tgt Ion: 65 Resp: 128738

Ion Ratio Lower Upper

65 100

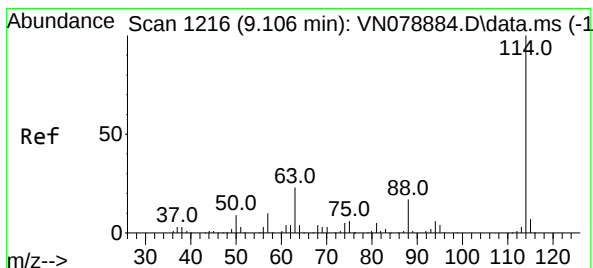
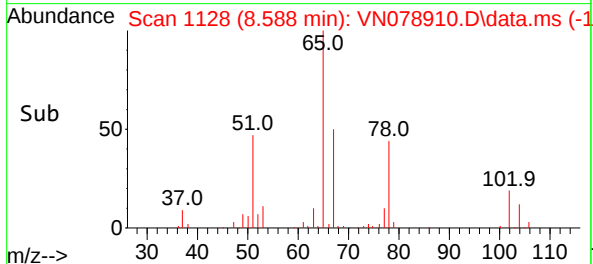
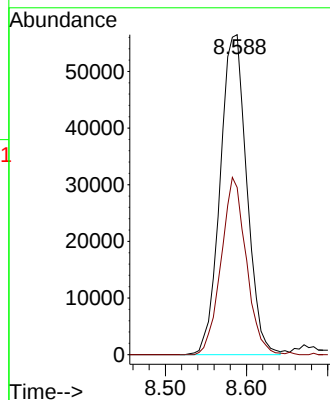
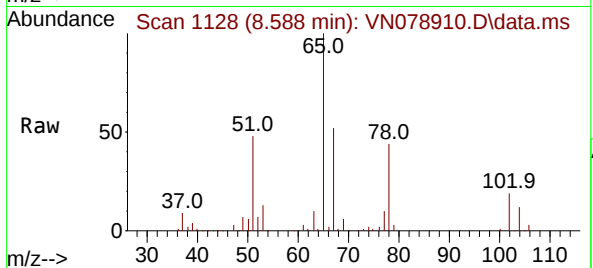
67 52.2 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2023

Supervised By :Mahesh Dadoda 08/17/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

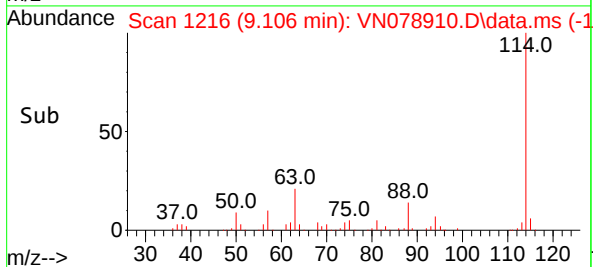
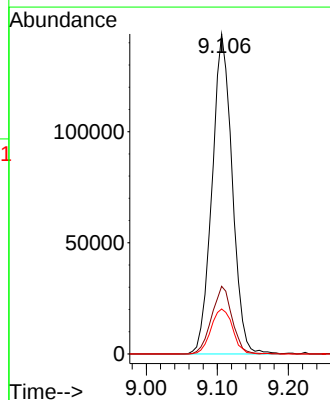
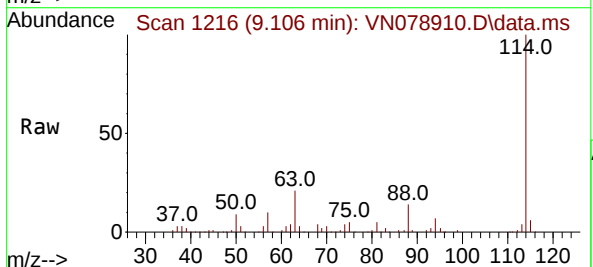
Tgt Ion:114 Resp: 282928

Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 14.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.545 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

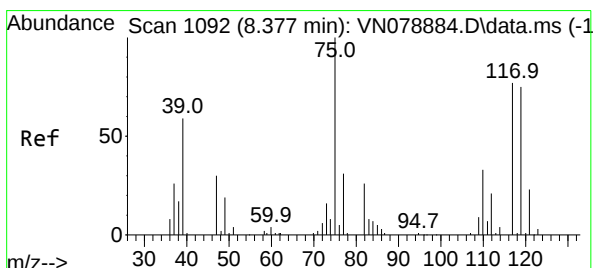
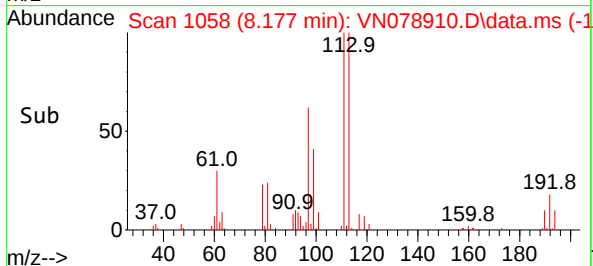
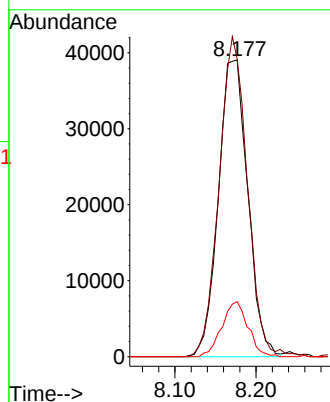
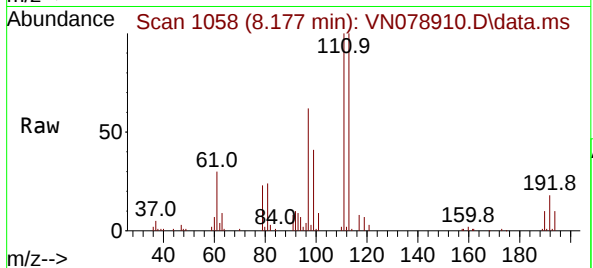
Tgt Ion:	113	Resp:	9816
Ion Ratio	Lower	Upper	
113	100		
111	103.9	82.6	123.8
192	16.6	12.7	19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2023

Supervised By :Mahesh Dadoda 08/17/2023



#36

1,1-Dichloropropene

Concen: 17.731 ug/l

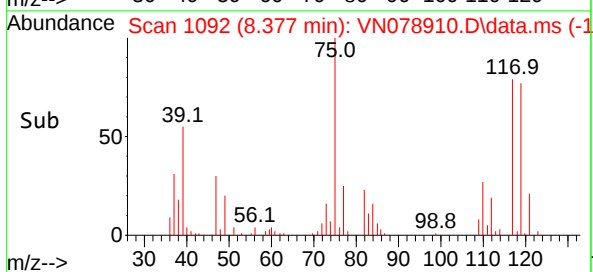
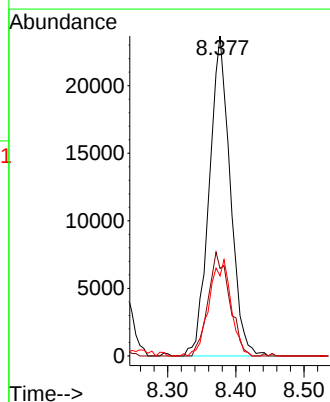
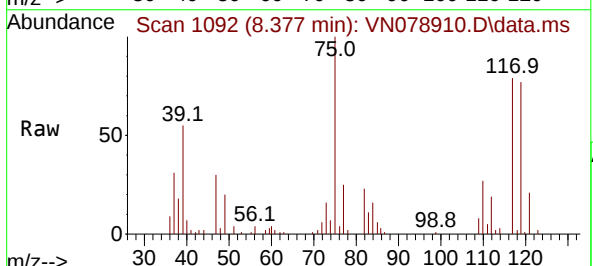
RT: 8.377 min Scan# 1092

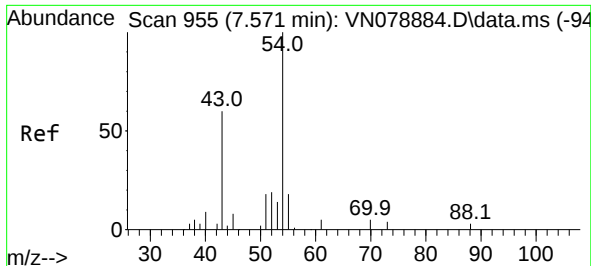
Delta R.T. -0.000 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

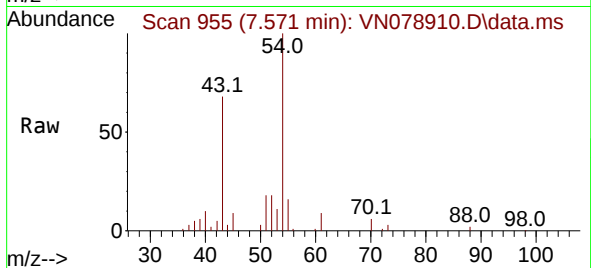
Tgt Ion:	75	Resp:	50797
Ion Ratio	Lower	Upper	
75	100		
110	33.1	19.1	57.3
77	31.3	25.0	37.4





#37
Ethyl Acetate
Concen: 20.892 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

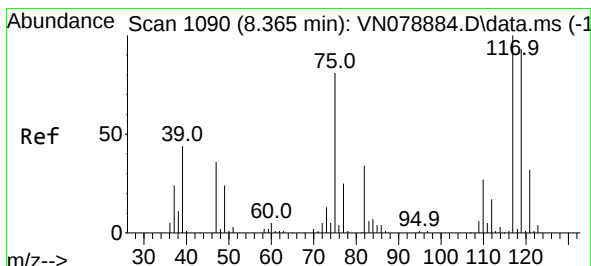
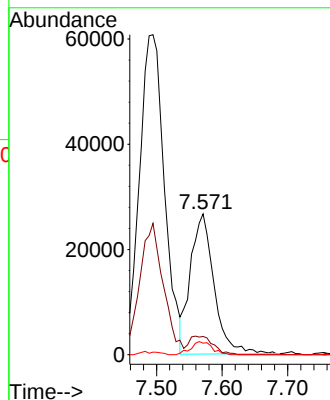
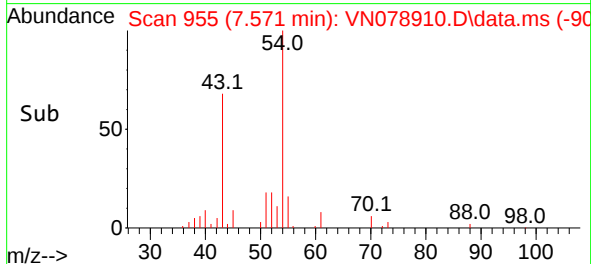
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion: 43 Resp: 6696
Ion Ratio Lower Upper
43 100
61 13.3 13.2 19.8
70 8.3 11.3 16.9

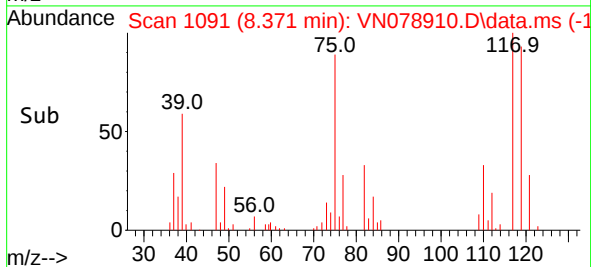
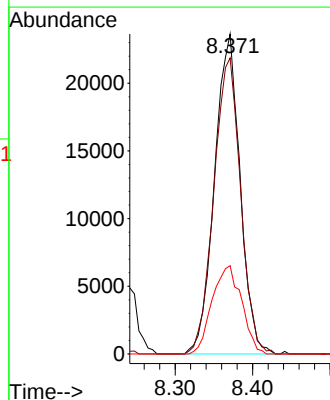
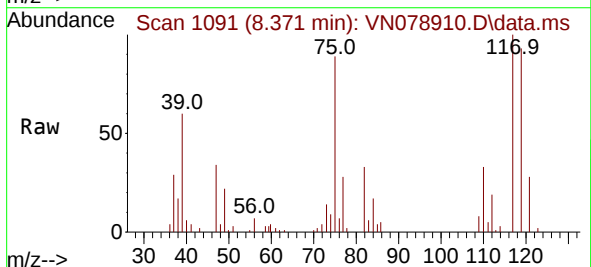
Manual Integrations
APPROVED

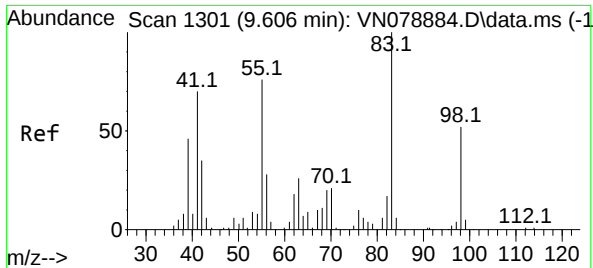
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#38
Carbon Tetrachloride
Concen: 18.876 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Tgt Ion:117 Resp: 54184
Ion Ratio Lower Upper
117 100
119 92.5 77.3 115.9
121 27.6 23.3 34.9





#39

Methylcyclohexane

Concen: 17.128 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tgt Ion: 83 Resp: 45129

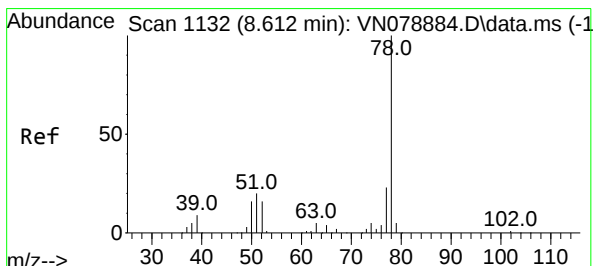
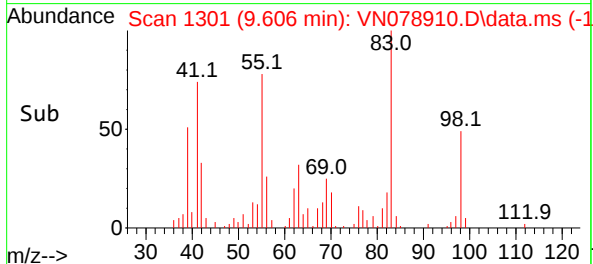
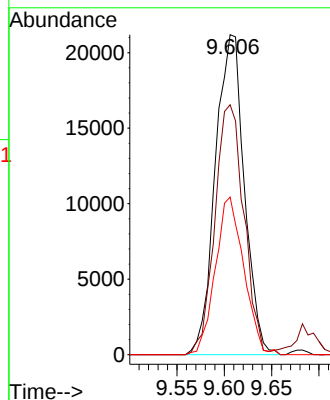
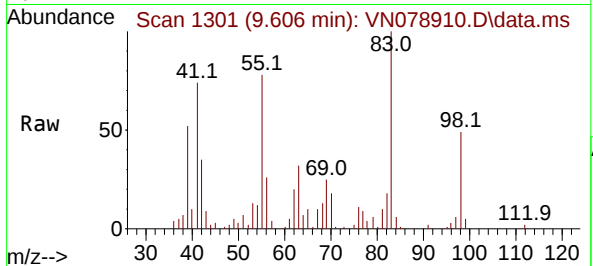
Ion	Ratio	Lower	Upper
83	100		
55	78.1	49.1	73.7
98	49.2	40.6	61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2023

Supervised By :Mahesh Dadoda 08/17/2023



#40

Benzene

Concen: 19.479 ug/l

RT: 8.612 min Scan# 1132

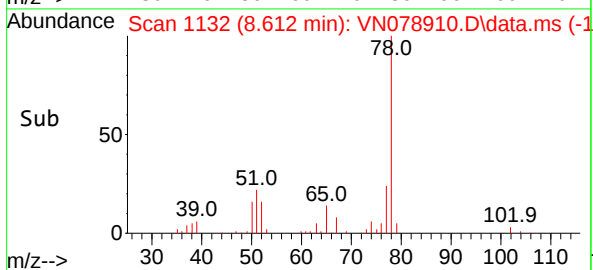
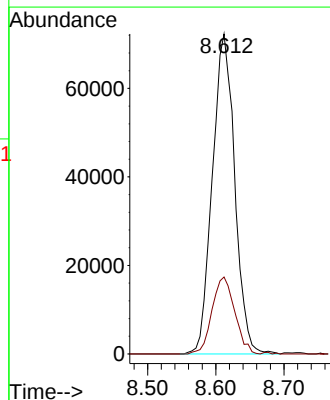
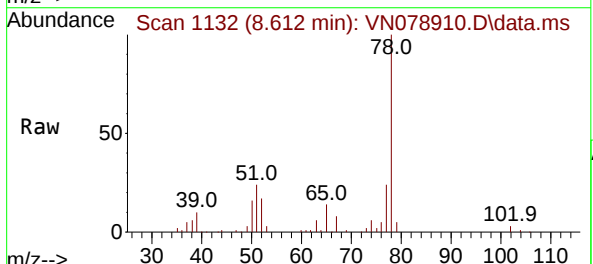
Delta R.T. -0.000 min

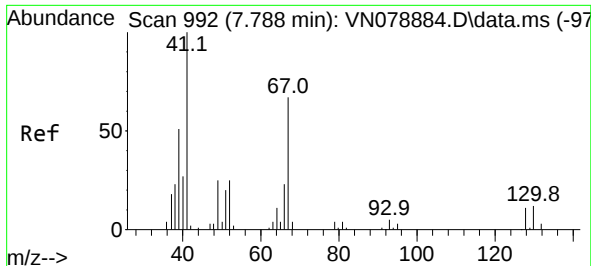
Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

Tgt Ion: 78 Resp: 164951

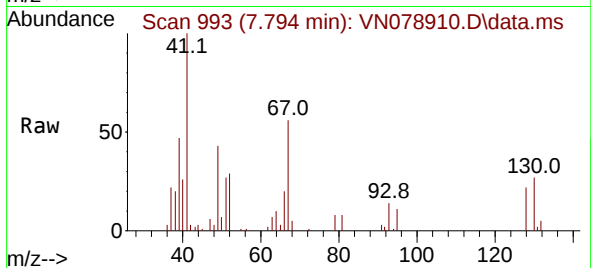
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





#41
Methacrylonitrile
Concen: 19.455 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

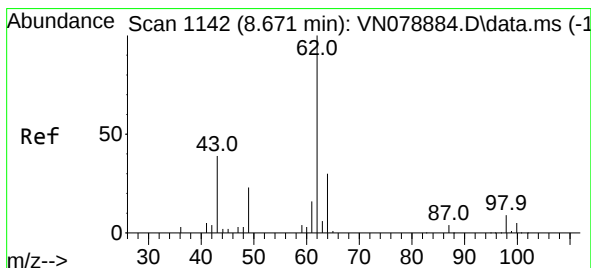
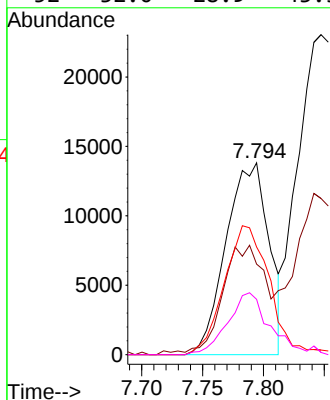
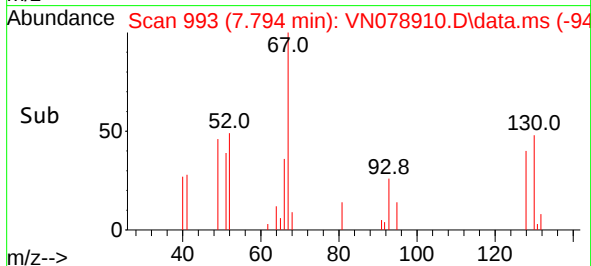
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion:	41	Resp:	3396
Ion Ratio	100	Lower	Upper
39	56.3	42.6	64.0
67	70.6	77.5	116.3
52	32.0	28.9	43.3

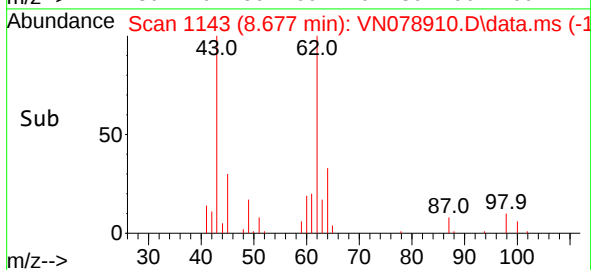
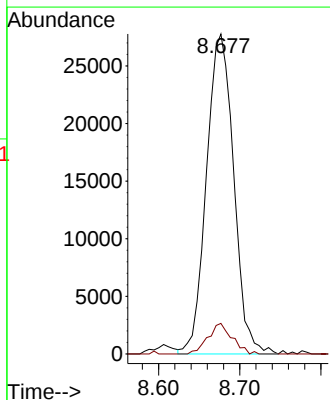
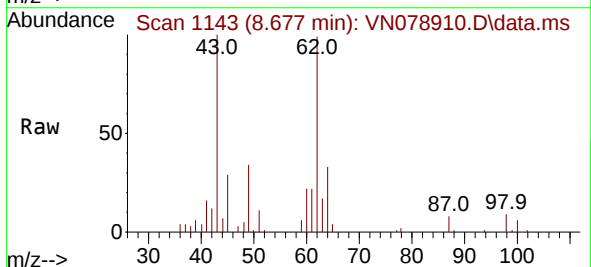
Manual Integrations
APPROVED

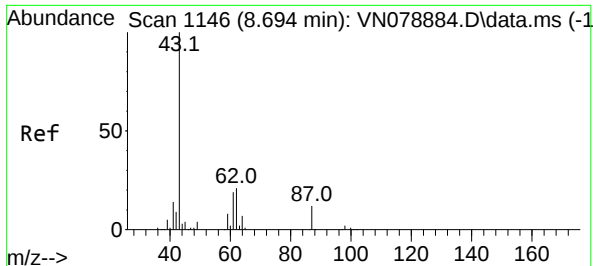
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#42
1,2-Dichloroethane
Concen: 20.485 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

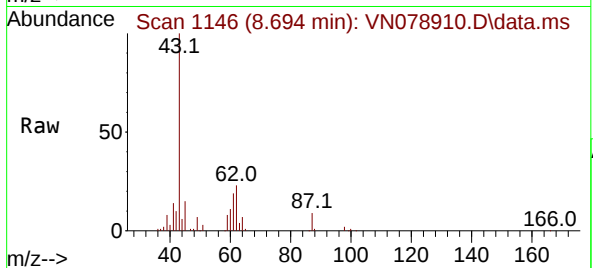
Tgt Ion:	62	Resp:	64807
Ion Ratio	100	Lower	Upper
98	8.5	0.0	19.8





#43
Isopropyl Acetate
Concen: 27.780 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

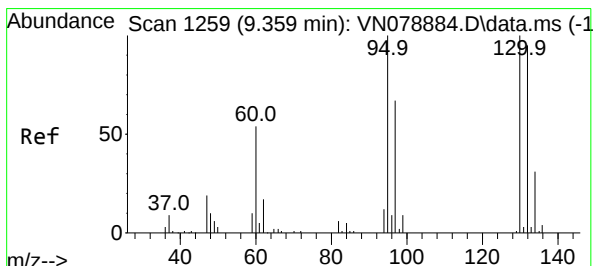
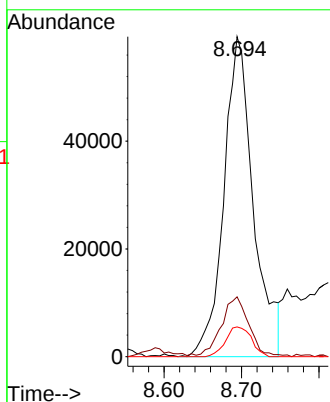
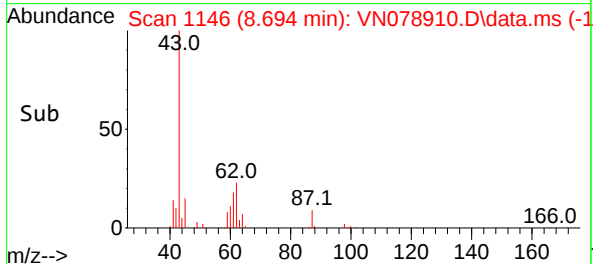
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion: 43 Resp: 157389
Ion Ratio Lower Upper
43 100
61 17.5 24.7 37.1
87 8.1 14.6 21.8

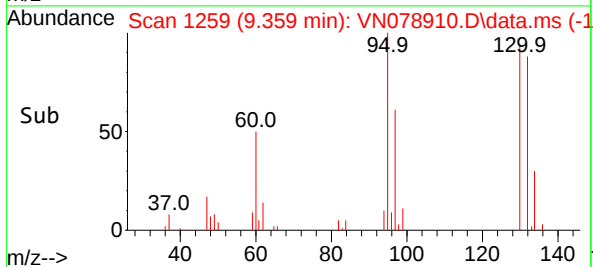
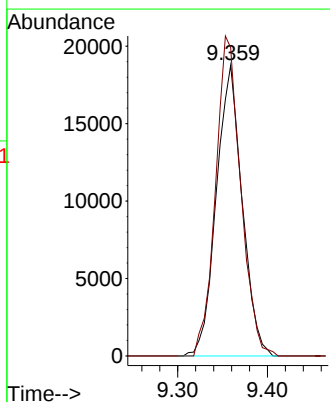
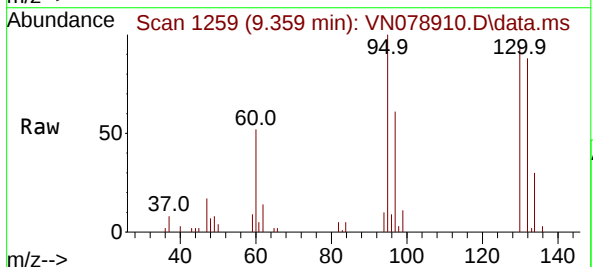
Manual Integrations
APPROVED

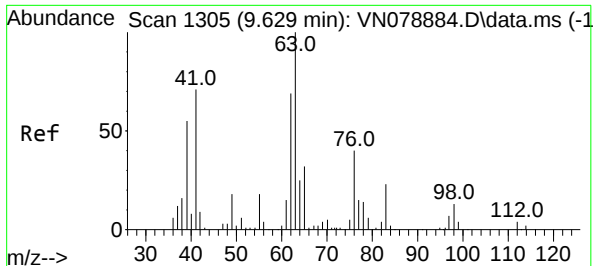
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#44
Trichloroethene
Concen: 18.641 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Tgt Ion:130 Resp: 37506
Ion Ratio Lower Upper
130 100
95 106.0 0.0 204.6





#45

1,2-Dichloropropane

Concen: 20.150 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tgt Ion: 63 Resp: 45428

Ion Ratio Lower Upper

63 100

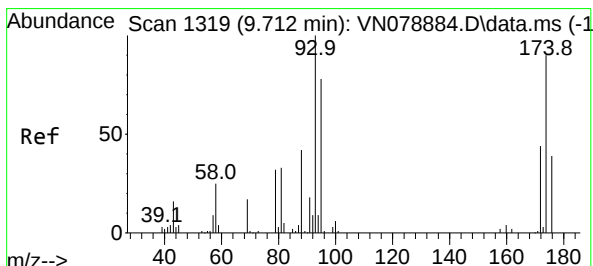
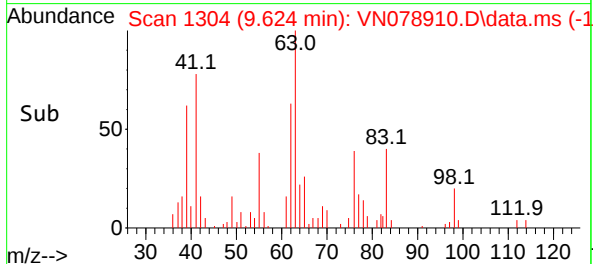
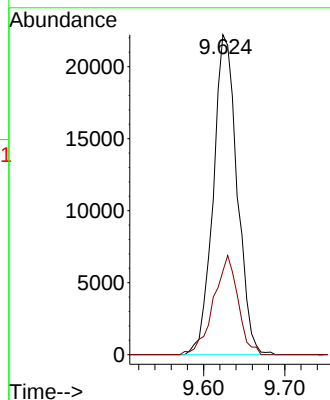
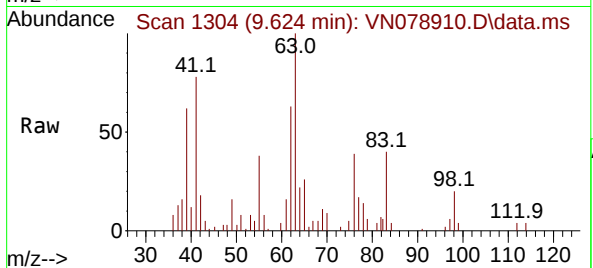
65 26.2 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2023

Supervised By :Mahesh Dadoda 08/17/2023



#46

Dibromomethane

Concen: 19.897 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

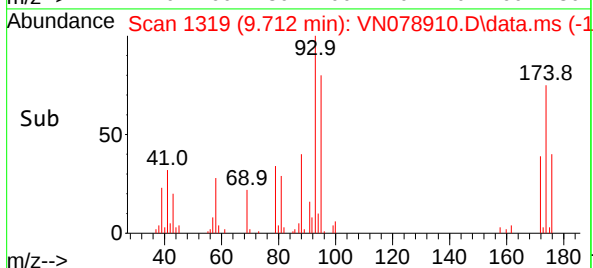
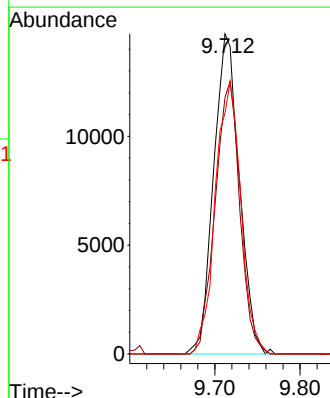
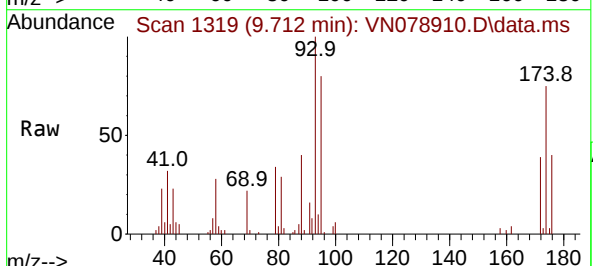
Tgt Ion: 93 Resp: 30769

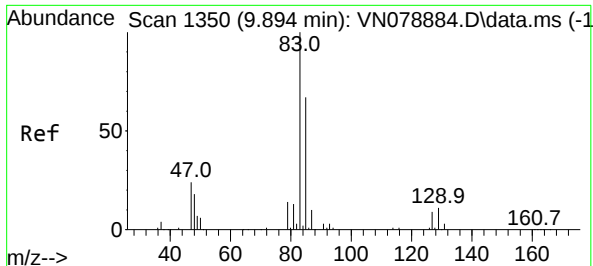
Ion Ratio Lower Upper

93 100

95 82.1 63.8 95.8

174 84.5 65.6 98.4





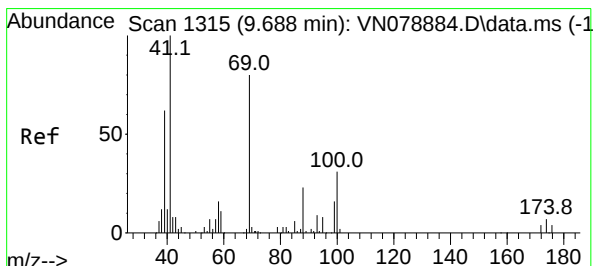
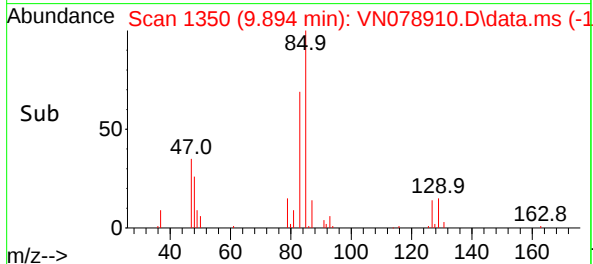
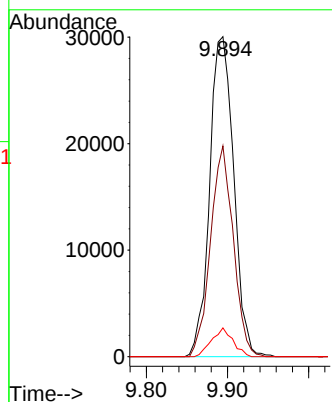
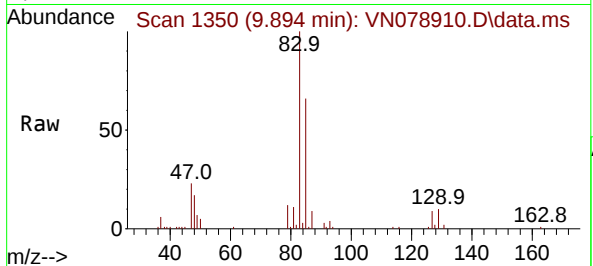
#47
Bromodichloromethane
Concen: 20.269 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tgt Ion: 83 Resp: 61894
Ion Ratio Lower Upper
83 100
85 65.9 49.6 74.4
127 9.0 7.0 10.6

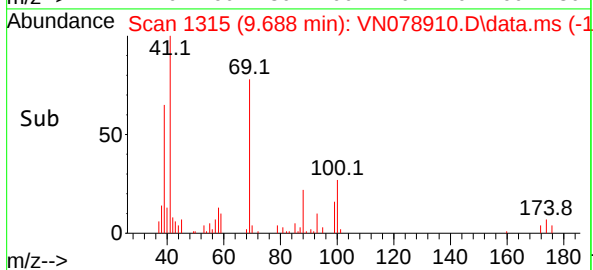
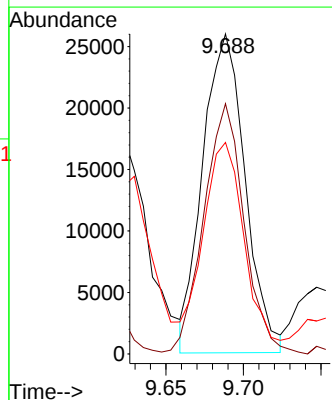
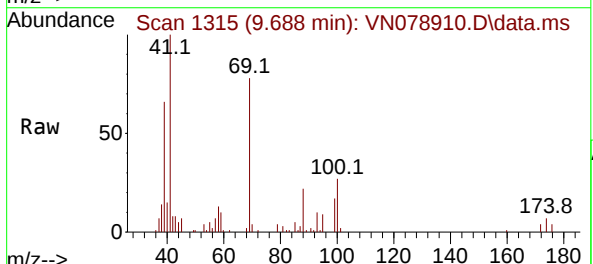
Manual Integrations
APPROVED

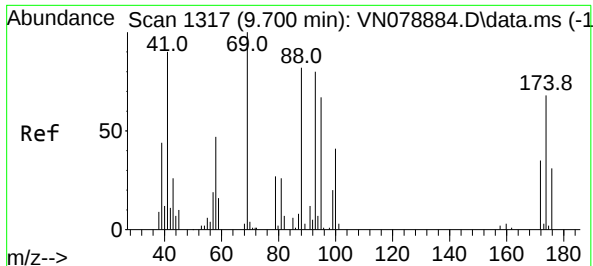
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#48
Methyl methacrylate
Concen: 19.232 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Tgt Ion: 41 Resp: 49375
Ion Ratio Lower Upper
41 100
69 74.9 90.4 135.6#
39 66.4 54.6 81.8





#49

1,4-Dioxane

Concen: 423.995 ug/l

RT: 9.706 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tgt Ion: 88 Resp: 1854

Ion Ratio Lower Upper

88 100

43 24.1 17.0 25.6

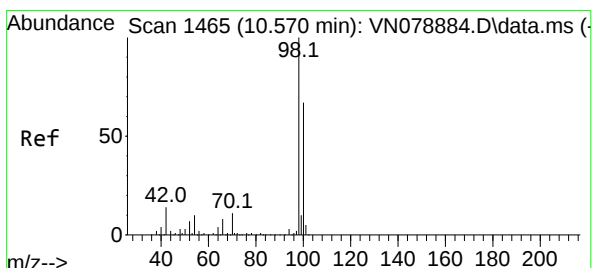
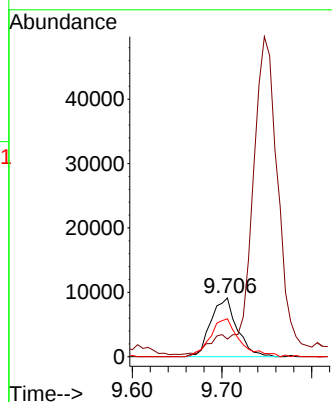
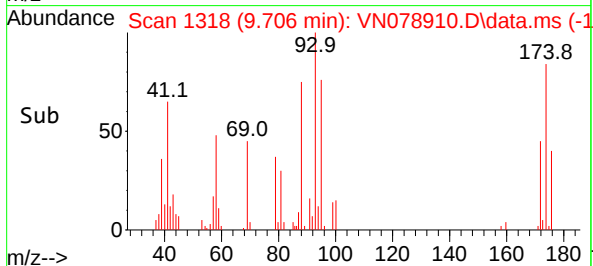
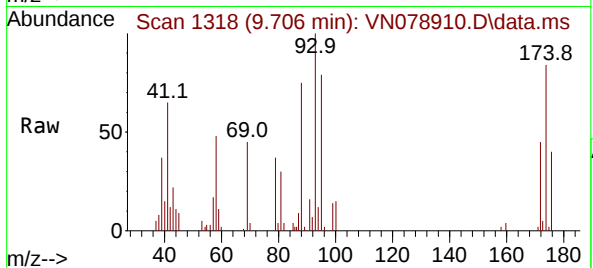
58 72.1 47.0 70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2023

Supervised By :Mahesh Dadoda 08/17/2023



#50

Toluene-d8

Concen: 51.573 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078910.D

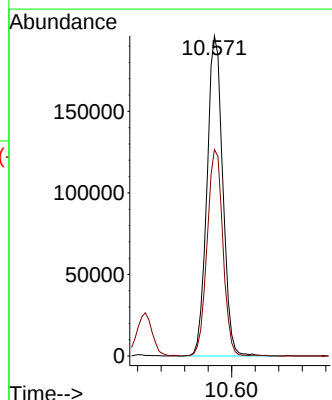
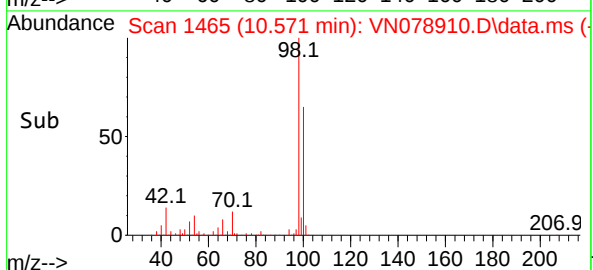
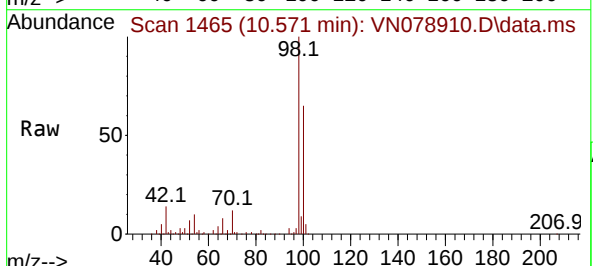
Acq: 16 Aug 2023 18:07

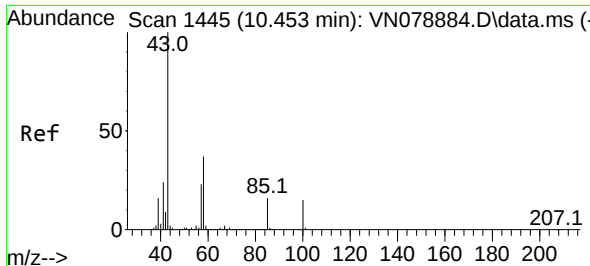
Tgt Ion: 98 Resp: 364705

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0





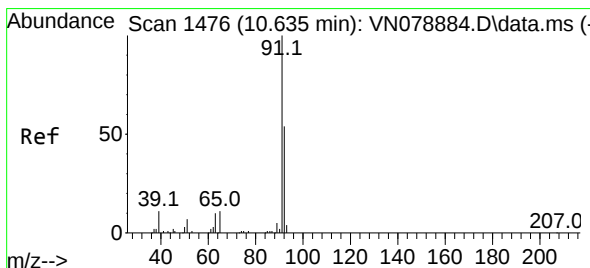
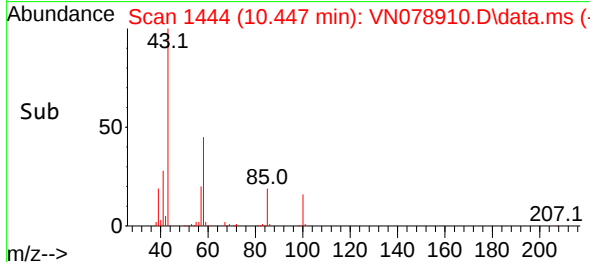
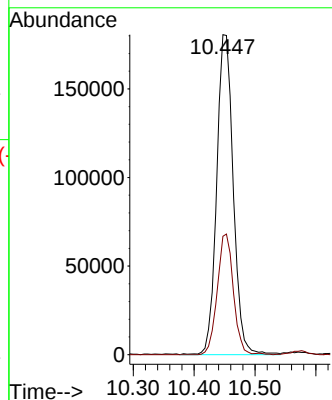
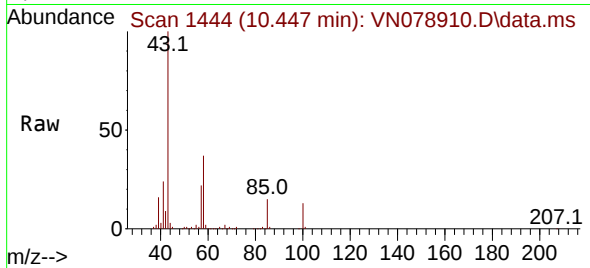
#51
4-Methyl-2-Pentanone
Concen: 101.576 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tgt Ion: 43 Resp: 341319
Ion Ratio Lower Upper
43 100
58 36.5 36.6 54.8

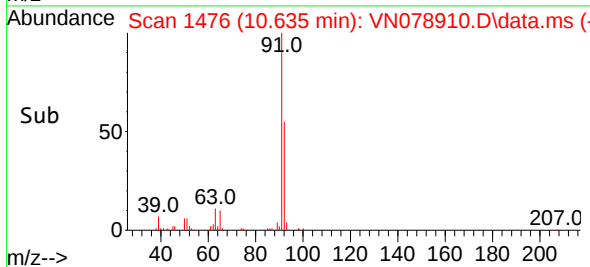
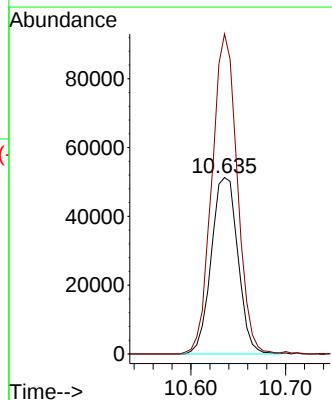
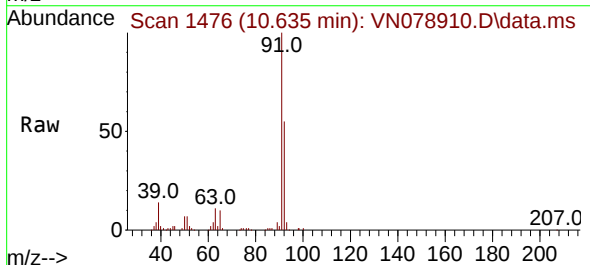
Manual Integrations
APPROVED

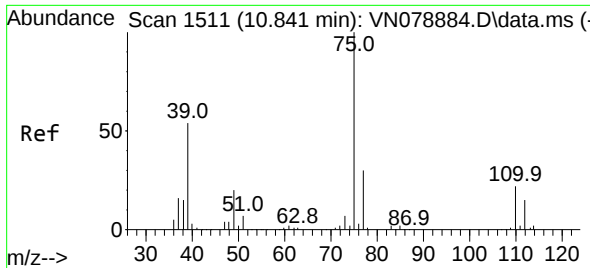
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#52
Toluene
Concen: 19.267 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

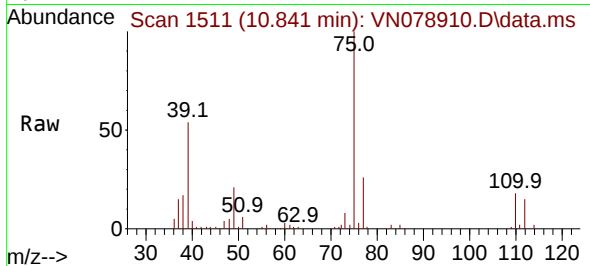
Tgt Ion: 92 Resp: 100168
Ion Ratio Lower Upper
92 100
91 173.0 137.4 206.0





#53
t-1,3-Dichloropropene
Concen: 18.708 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

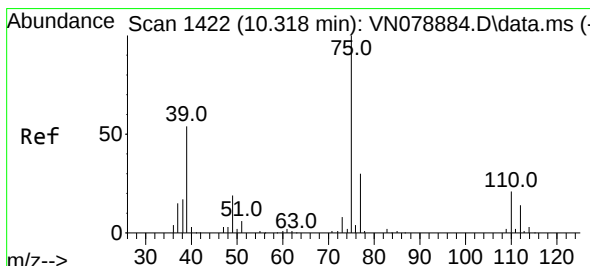
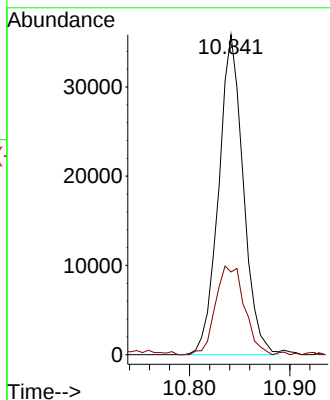
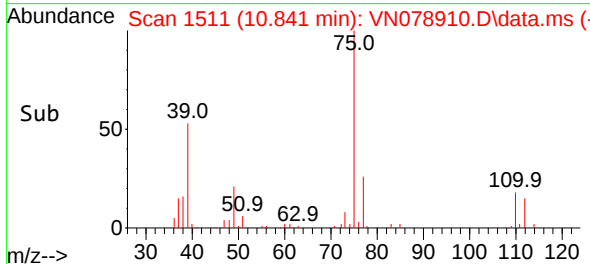
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion: 75 Resp: 61262
Ion Ratio Lower Upper
75 100
77 25.8 25.4 38.0

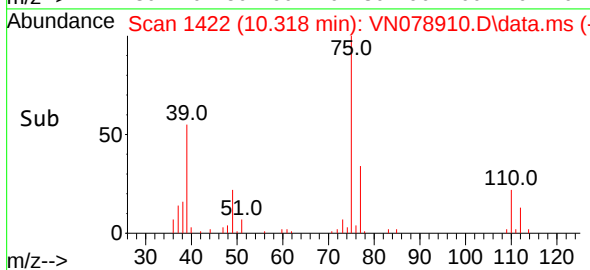
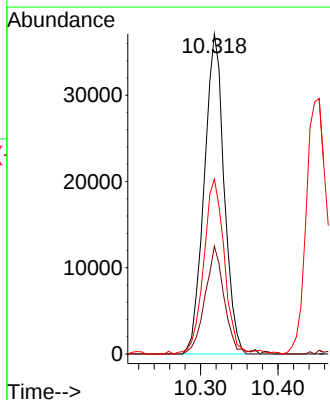
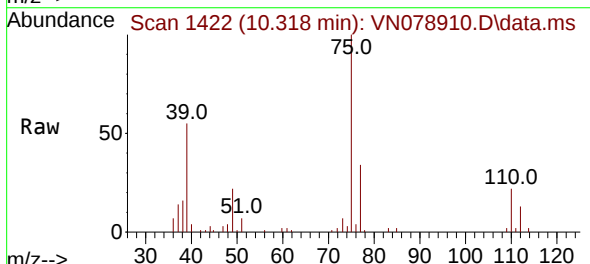
Manual Integrations
APPROVED

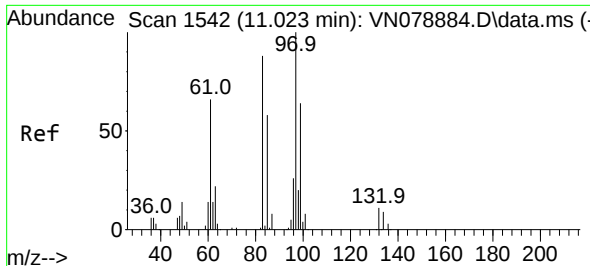
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#54
cis-1,3-Dichloropropene
Concen: 18.727 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

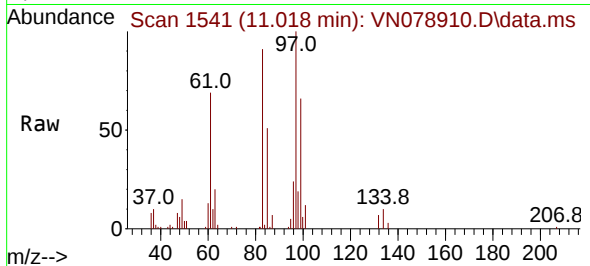
Tgt Ion: 75 Resp: 66790
Ion Ratio Lower Upper
75 100
77 33.7 26.1 39.1
39 54.2 31.6 47.4#





#55
1,1,2-Trichloroethane
Concen: 20.303 ug/l
RT: 11.018 min Scan# 1542
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

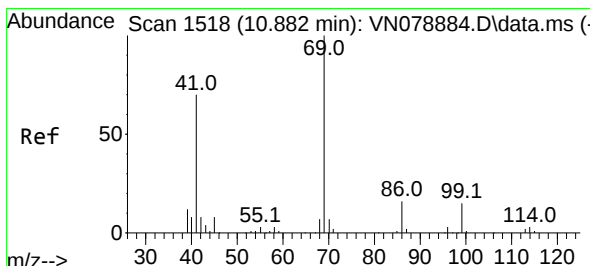
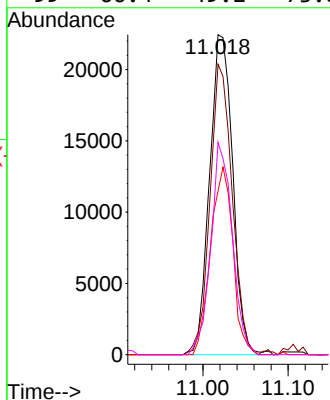
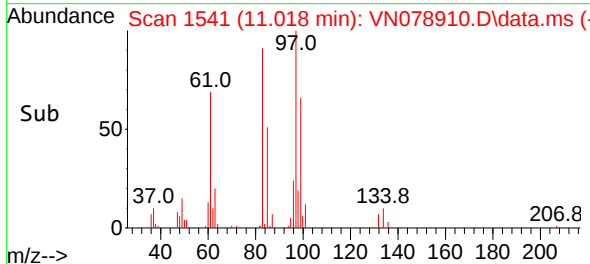
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.7	65.1	97.7
85	51.2	43.4	65.2
99	66.4	49.2	73.8

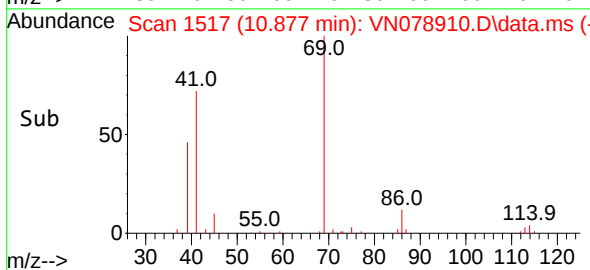
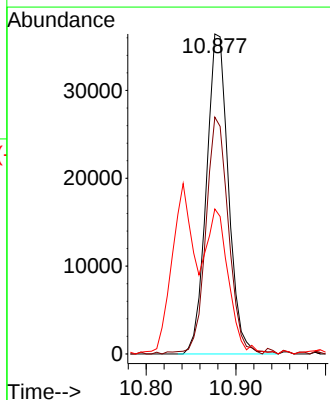
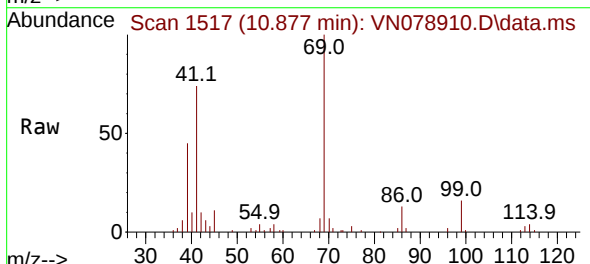
Manual Integrations
APPROVED

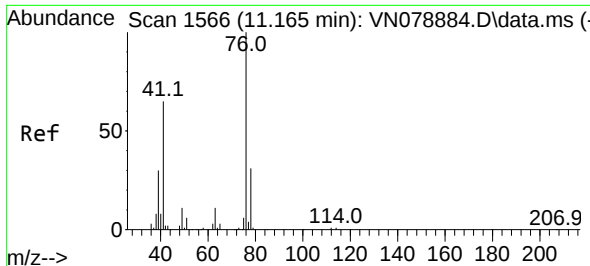
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#56
Ethyl methacrylate
Concen: 19.232 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.8	39.6	59.4#
39	47.0	28.6	43.0#





#57

1,3-Dichloropropane

Concen: 19.838 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.000 min

Lab File: VN078910.D

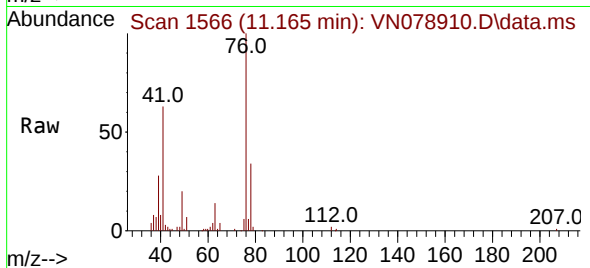
Acq: 16 Aug 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01



Tgt Ion: 76 Resp: 7396

Ion Ratio Lower Upper

76 100

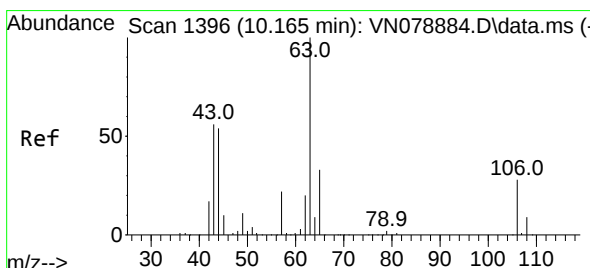
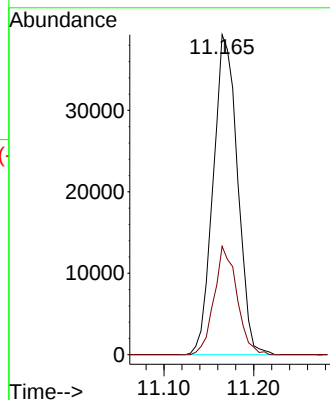
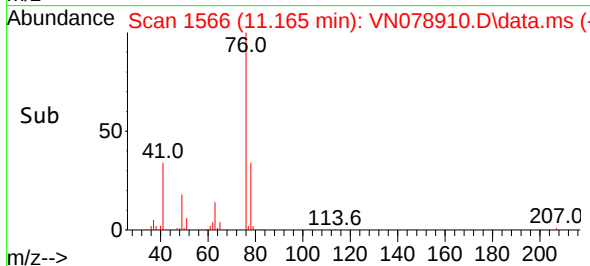
78 31.8 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2023

Supervised By :Mahesh Dadoda 08/17/2023



#58

2-Chloroethyl Vinyl ether

Concen: 101.137 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN078910.D

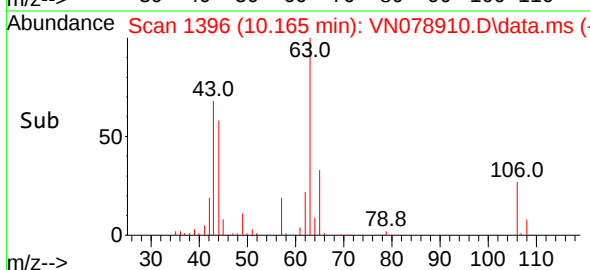
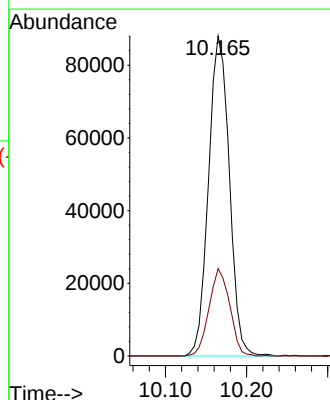
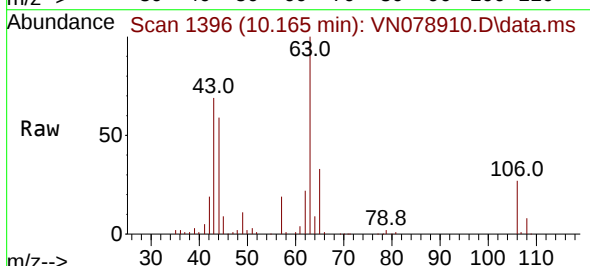
Acq: 16 Aug 2023 18:07

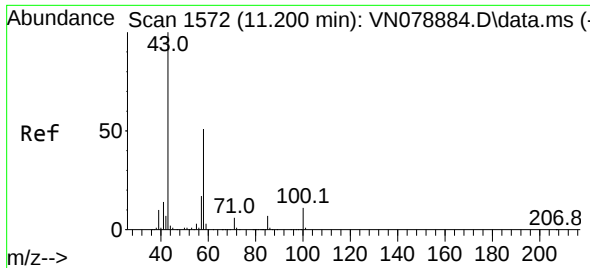
Tgt Ion: 63 Resp: 156881

Ion Ratio Lower Upper

63 100

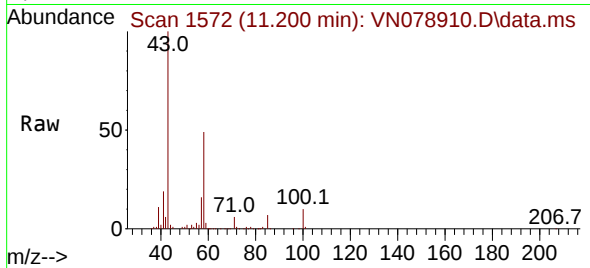
106 27.1 26.2 39.4





#59
2-Hexanone
Concen: 103.855 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

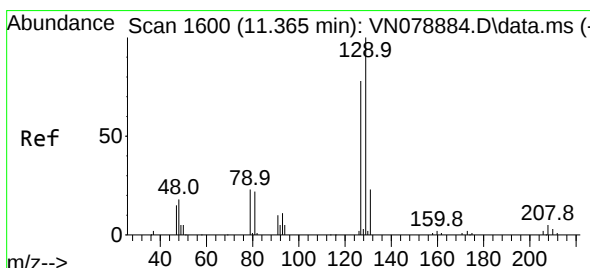
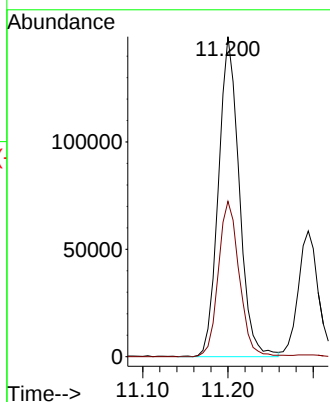
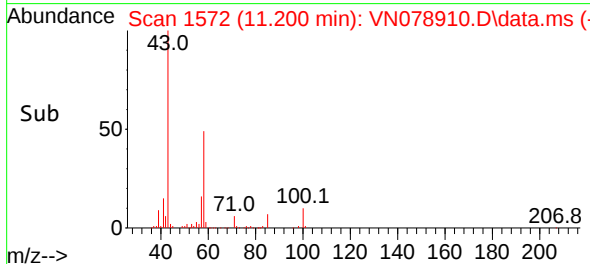
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion: 43 Resp: 25276
Ion Ratio Lower Upper
43 100
58 48.9 31.7 95.1

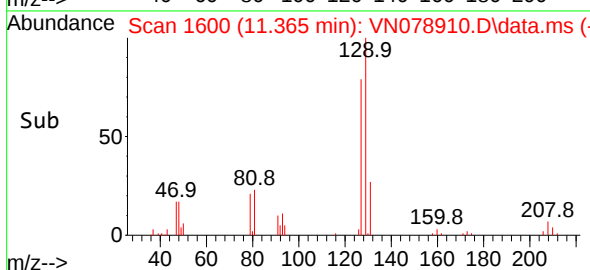
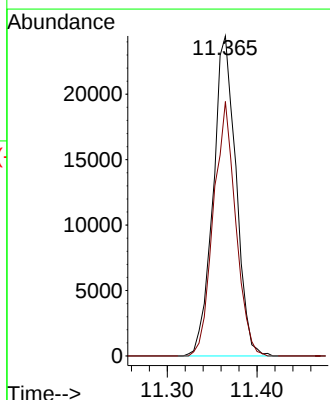
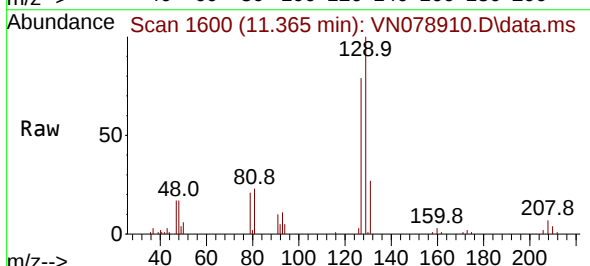
Manual Integrations
APPROVED

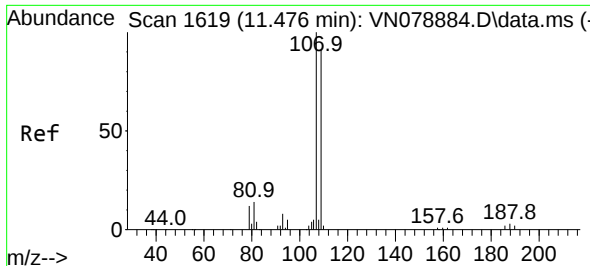
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#60
Dibromochloromethane
Concen: 19.673 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Tgt Ion:129 Resp: 43156
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0





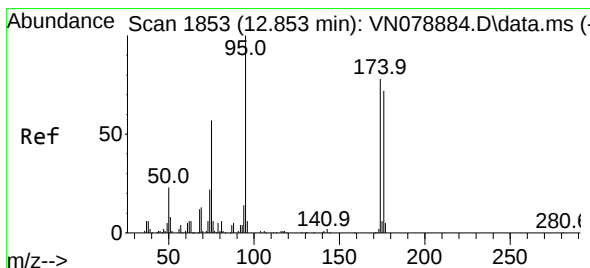
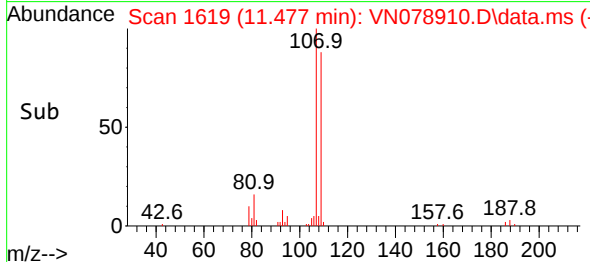
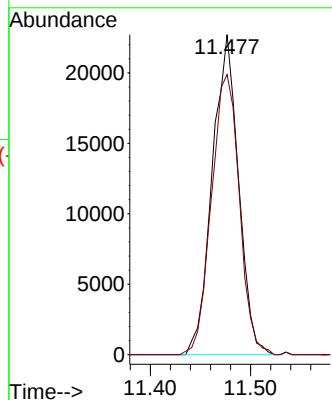
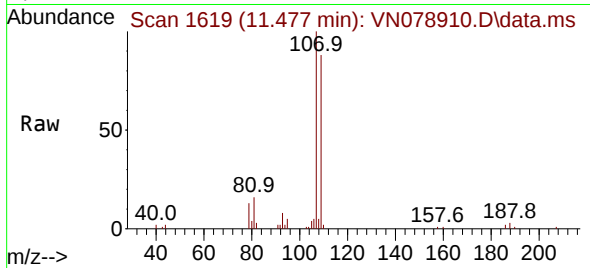
#61
1,2-Dibromoethane
Concen: 19.512 ug/l
RT: 11.477 min Scan# 1619
Delta R.T. 0.001 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tgt Ion:107 Resp: 4133
Ion Ratio Lower Upper
107 100
109 92.9 76.6 114.8

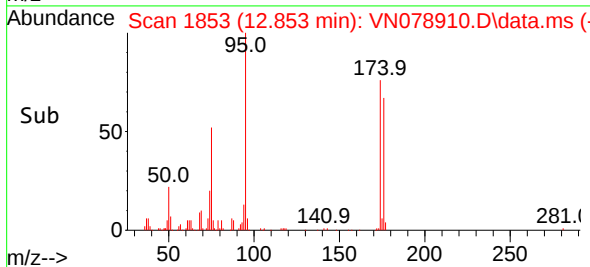
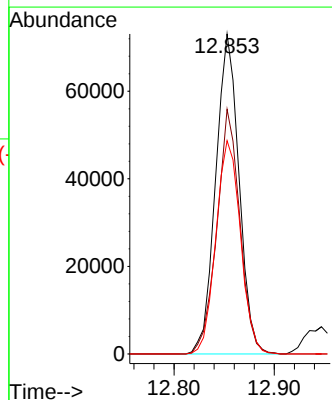
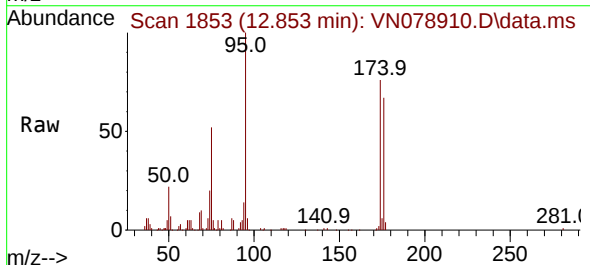
Manual Integrations
APPROVED

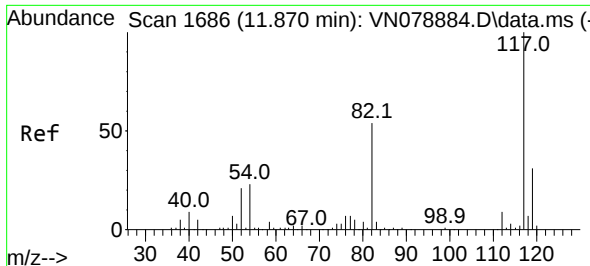
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#62
4-Bromofluorobenzene
Concen: 51.072 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

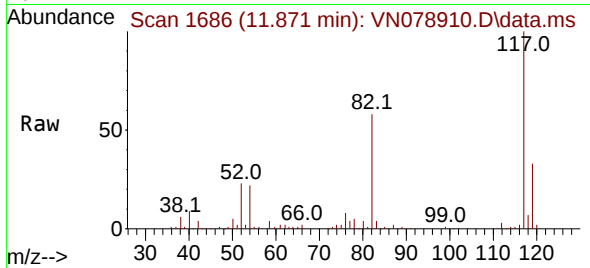
Tgt Ion: 95 Resp: 118051
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 70.4 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

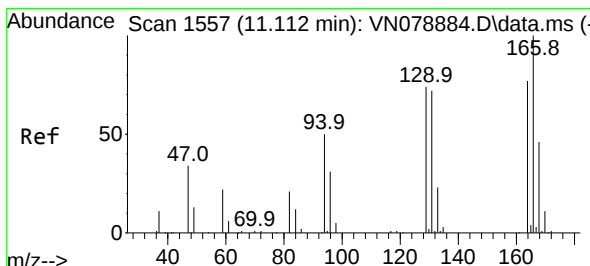
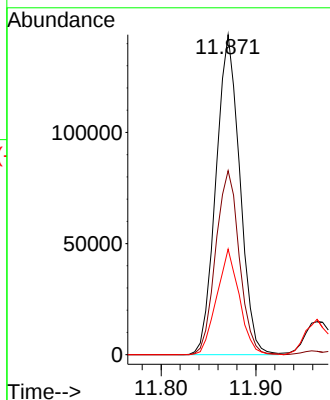
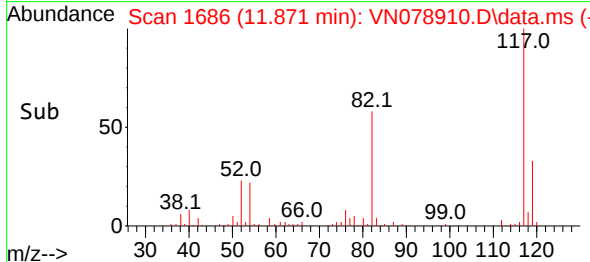
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion:117 Resp: 25211
Ion Ratio Lower Upper
117 100
82 57.5 44.0 66.0
119 33.0 25.6 38.4

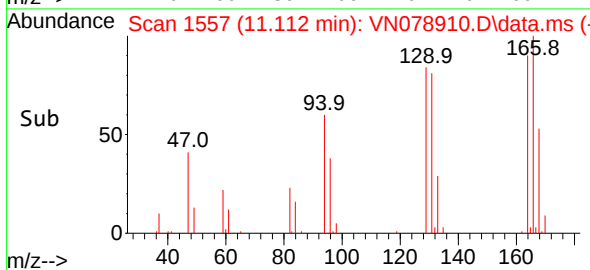
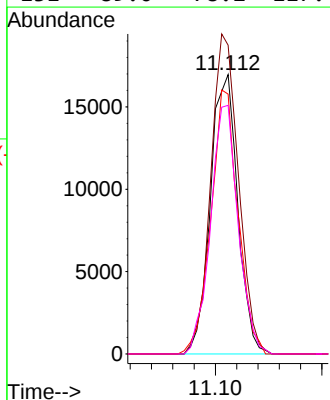
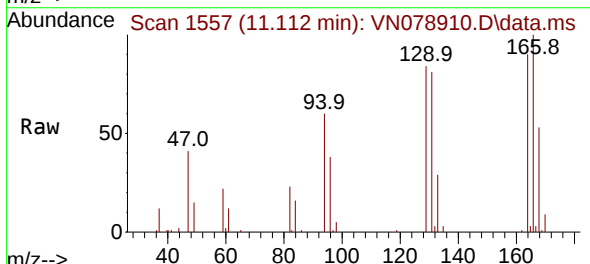
Manual Integrations
APPROVED

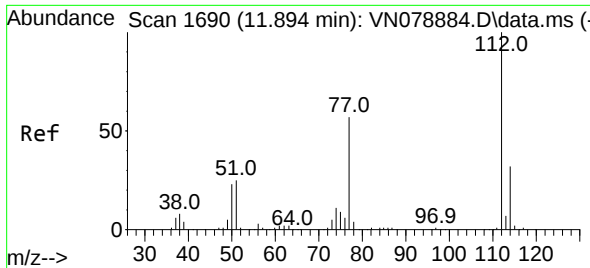
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#64
Tetrachloroethene
Concen: 19.066 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

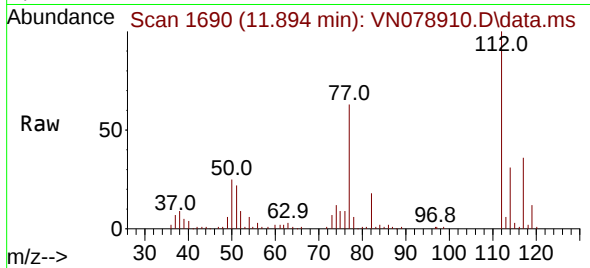
Tgt Ion:164 Resp: 30145
Ion Ratio Lower Upper
164 100
166 110.5 101.4 152.0
129 93.0 82.4 123.6
131 89.0 78.2 117.4





#65
Chlorobenzene
Concen: 19.531 ug/l
RT: 11.894 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

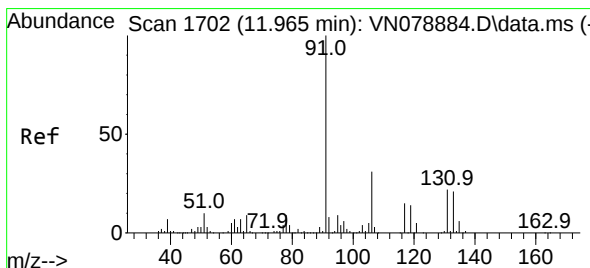
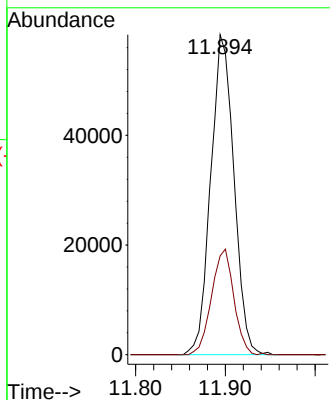
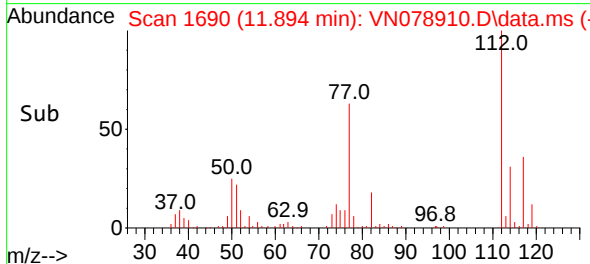
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion:112 Resp: 104814
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.4

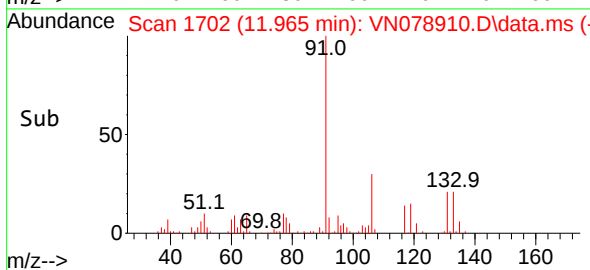
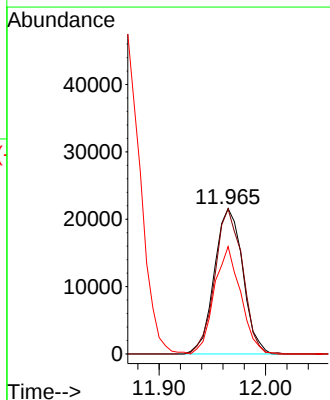
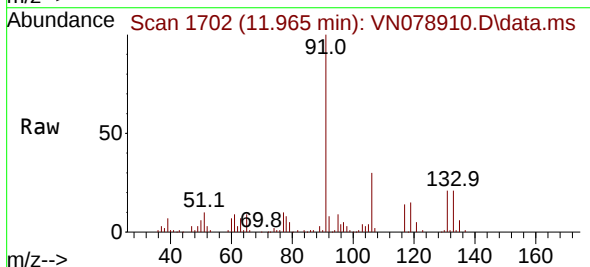
Manual Integrations
APPROVED

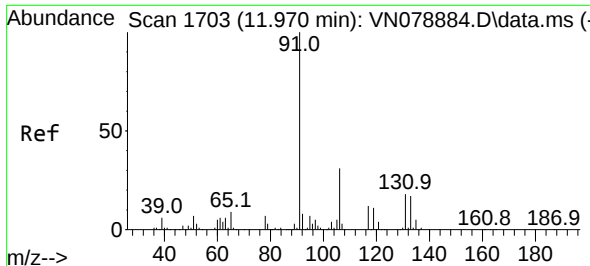
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 19.781 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

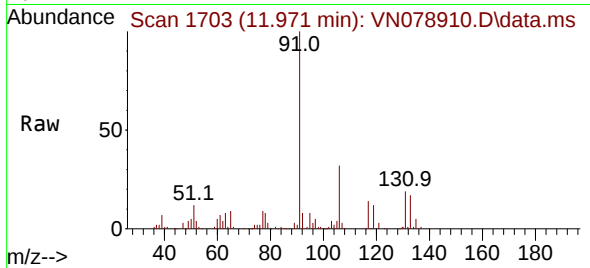
Tgt Ion:131 Resp: 40119
Ion Ratio Lower Upper
131 100
133 96.9 46.4 139.1
119 68.7 34.1 102.2





#67
Ethyl Benzene
Concen: 18.602 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

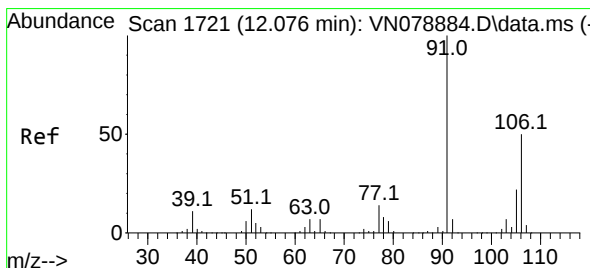
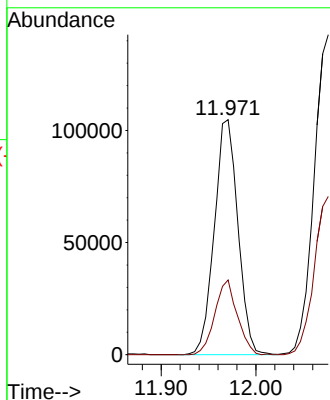
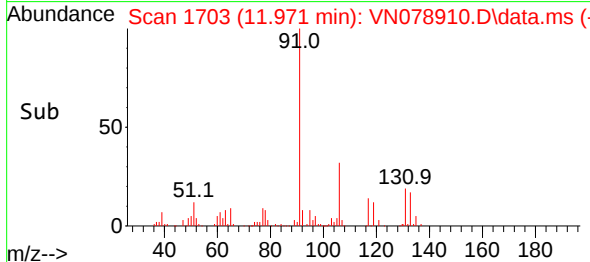
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



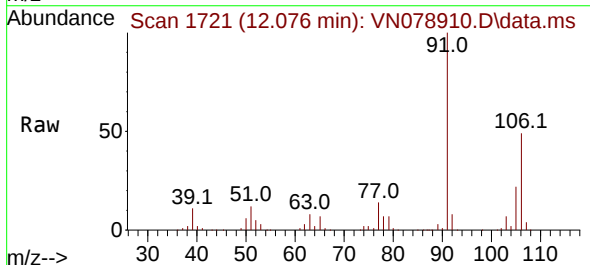
Tgt Ion: 91 Resp: 18154
Ion Ratio Lower Upper
91 100
106 31.8 25.6 38.4

Manual Integrations
APPROVED

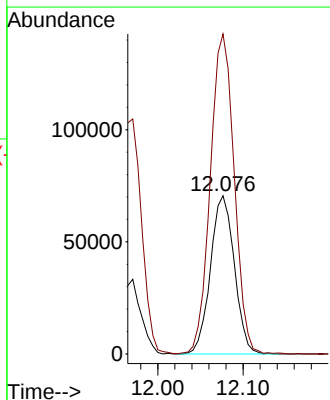
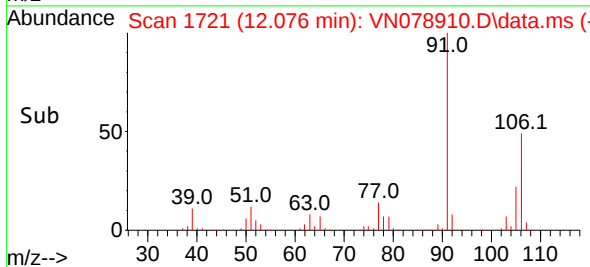
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023

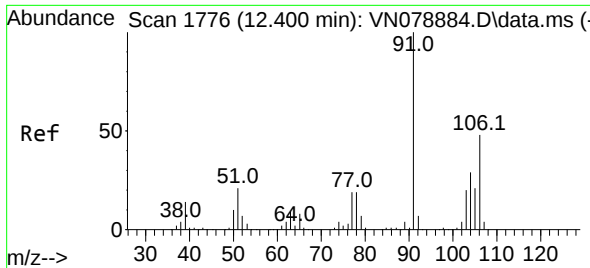


#68
m/p-Xylenes
Concen: 37.610 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07



Tgt Ion:106 Resp: 137233
Ion Ratio Lower Upper
106 100
91 202.7 159.6 239.4





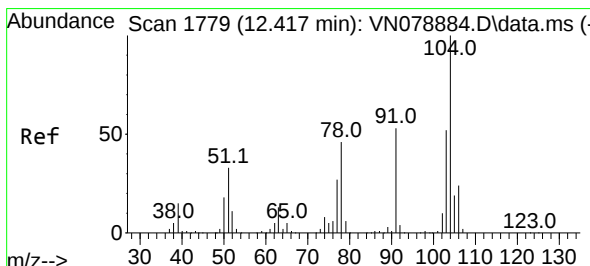
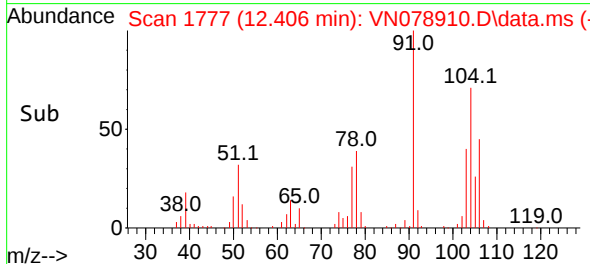
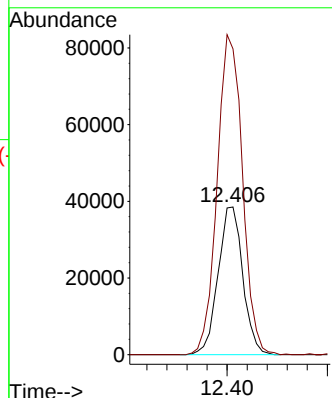
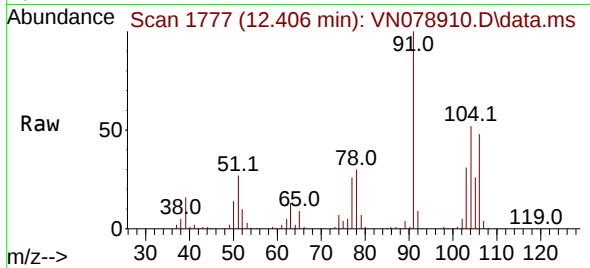
#69
o-Xylene
Concen: 18.536 ug/l
RT: 12.406 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tgt Ion:106 Resp: 65792
Ion Ratio Lower Upper
106 100
91 222.4 105.2 315.5

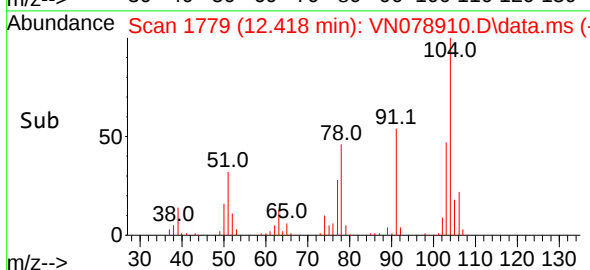
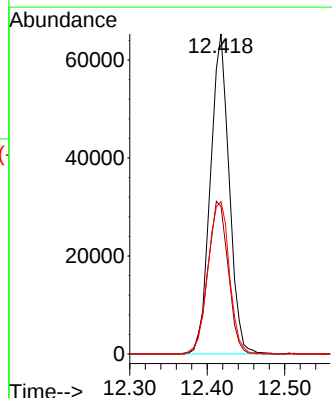
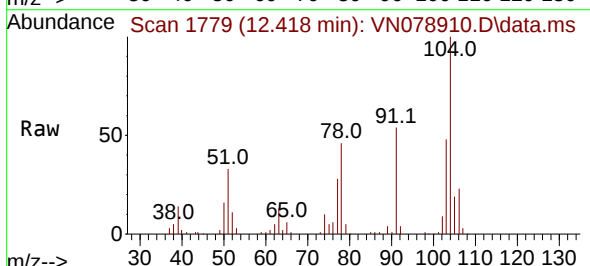
Manual Integrations
APPROVED

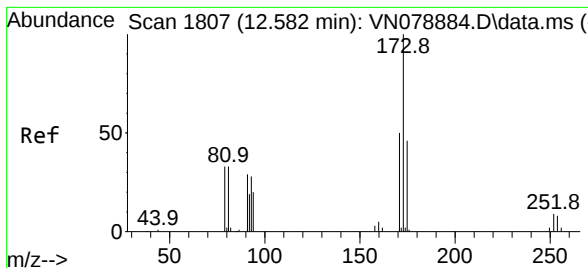
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#70
Styrene
Concen: 18.614 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

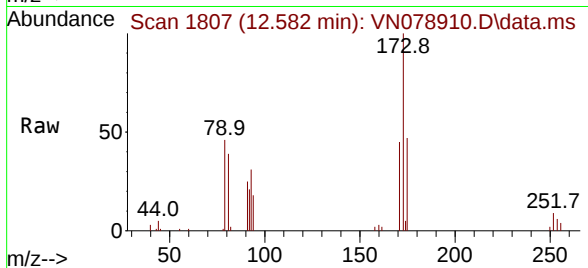
Tgt Ion:104 Resp: 110167
Ion Ratio Lower Upper
104 100
78 51.7 39.5 59.3
103 54.1 43.2 64.8





#71
Bromoform
Concen: 19.817 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

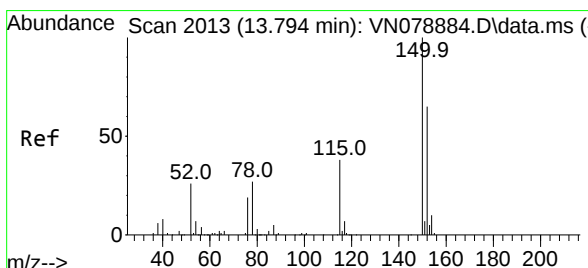
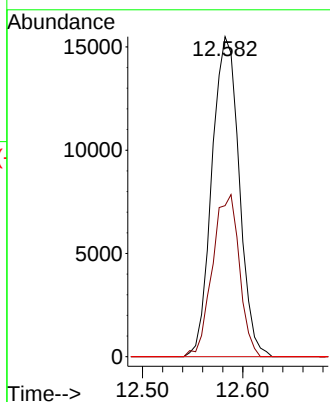
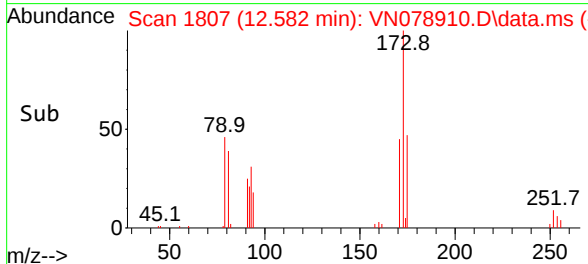
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



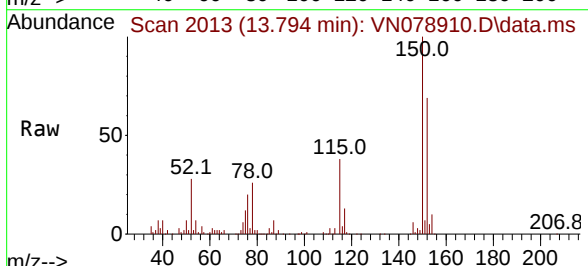
Tgt Ion:173 Resp: 29219
Ion Ratio Lower Upper
173 100
175 50.0 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

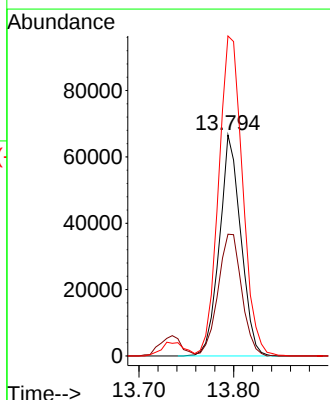
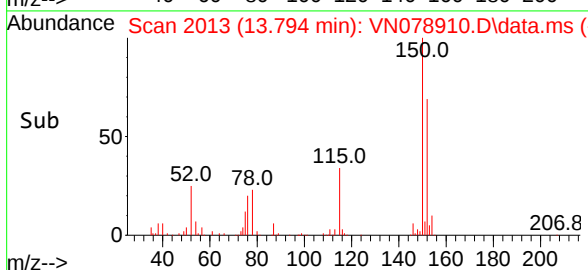
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023

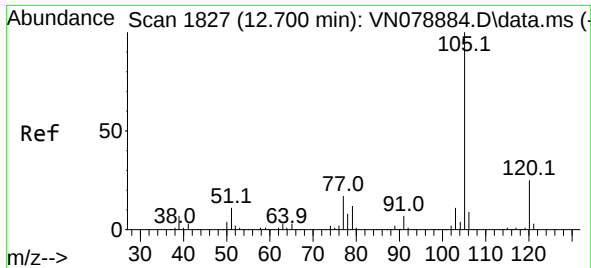


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07



Tgt Ion:152 Resp: 104397
Ion Ratio Lower Upper
152 100
115 61.2 32.3 96.8
150 162.4 0.0 355.8





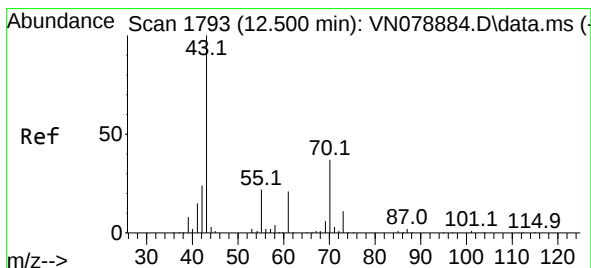
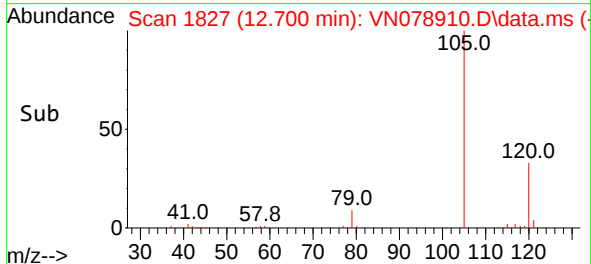
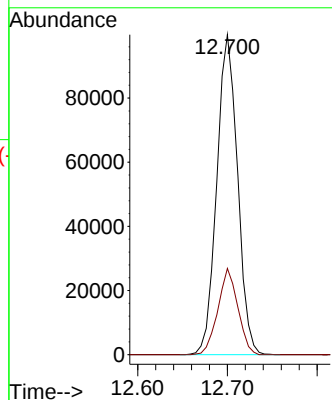
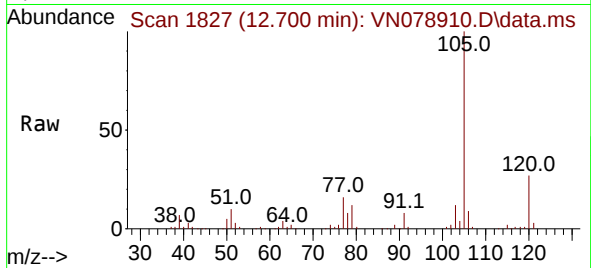
#73
Isopropylbenzene
Concen: 18.396 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tgt Ion:105 Resp: 16013
Ion Ratio Lower Upper
105 100
120 25.9 13.1 39.1

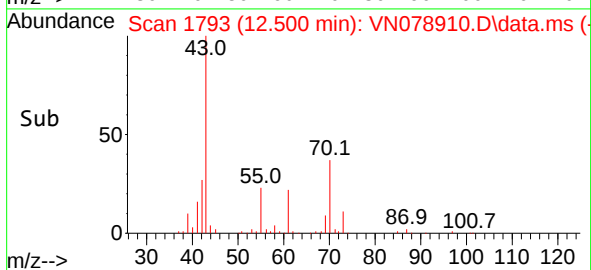
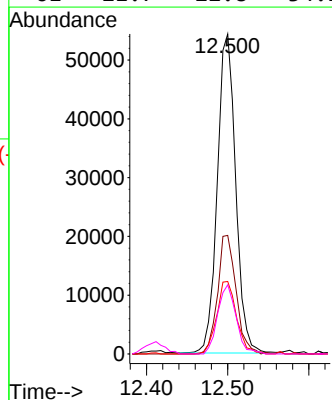
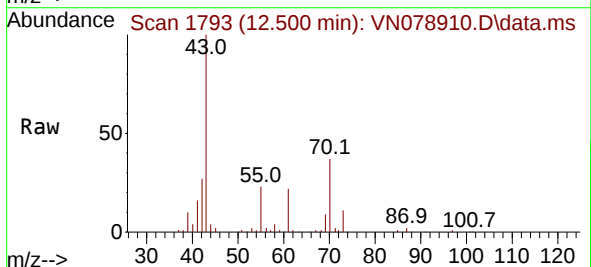
Manual Integrations
APPROVED

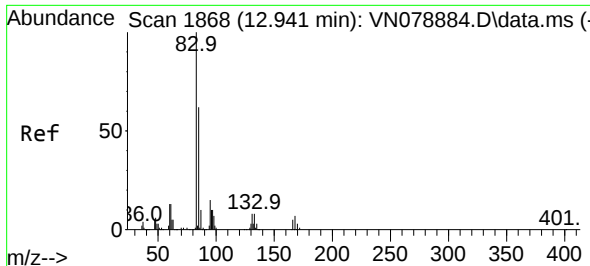
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#74
N-ethyl acetate
Concen: 19.465 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

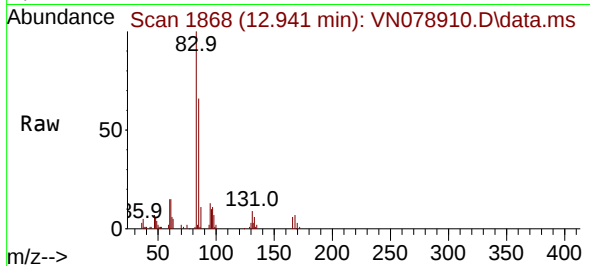
Tgt Ion: 43 Resp: 85526
Ion Ratio Lower Upper
43 100
70 37.5 43.4 65.2#
55 24.6 21.4 32.0
61 21.7 22.8 34.2#





#75
1,1,2,2-Tetrachloroethane
Concen: 21.397 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

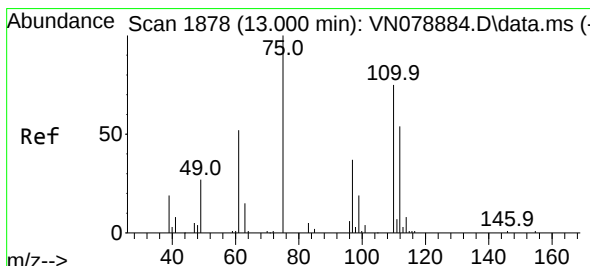
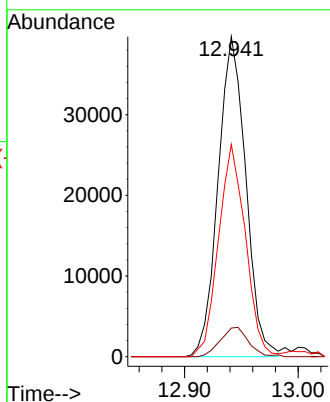
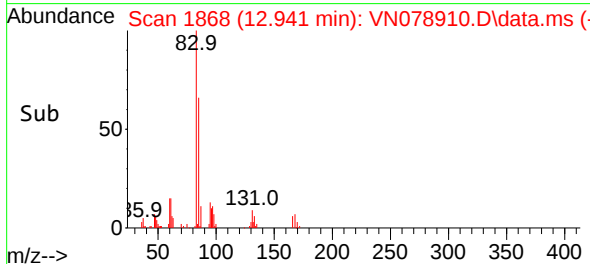
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



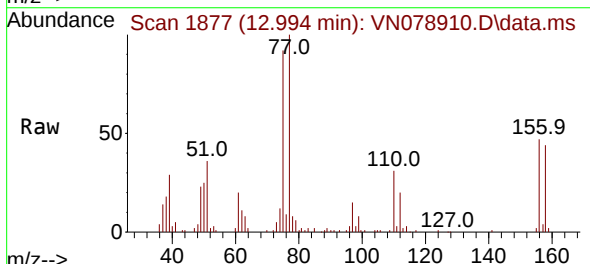
Tgt Ion: 83 Resp: 6725
Ion Ratio Lower Upper
83 100
131 9.3 5.0 15.0
85 64.5 31.9 95.7

Manual Integrations
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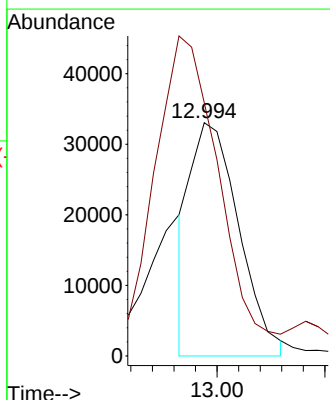
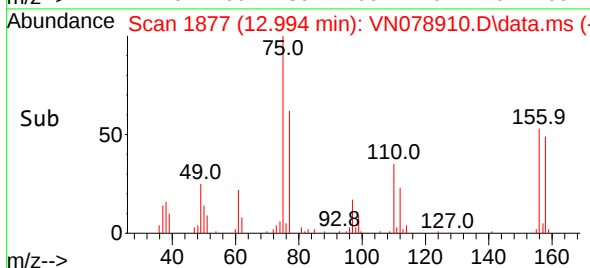
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023

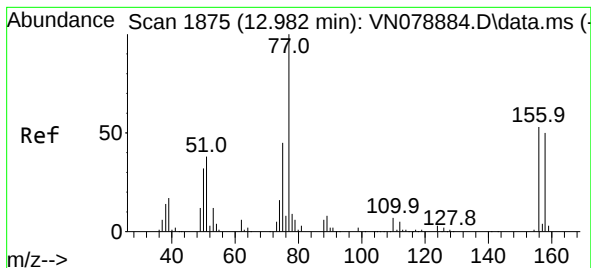


#76
1,2,3-Trichloropropane
Concen: 20.562 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07



Tgt Ion: 75 Resp: 51722
Ion Ratio Lower Upper
75 100
77 185.8 84.5 253.5





#77

Bromobenzene

Concen: 18.826 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

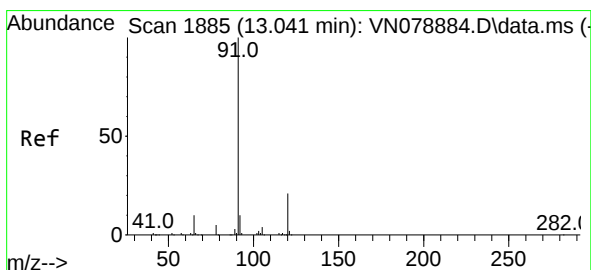
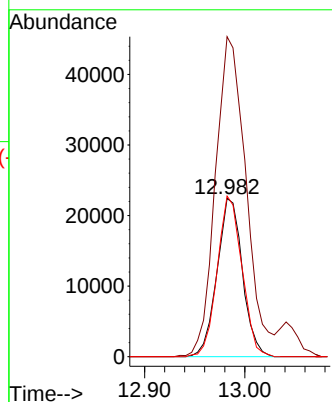
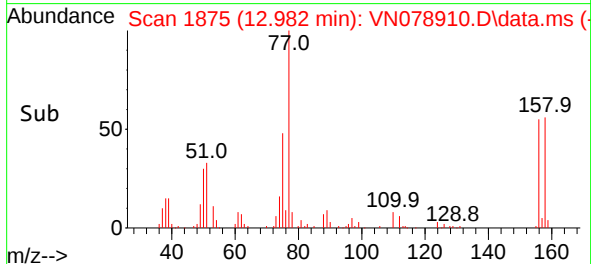
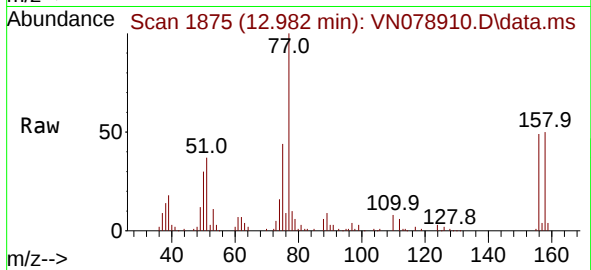
Tgt Ion:156 Resp: 39392
 Ion Ratio Lower Upper
 156 100
 77 244.0 107.7 323.3
 158 99.1 48.4 145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2023

Supervised By :Mahesh Dadoda 08/17/2023



#78

n-propylbenzene

Concen: 18.785 ug/l

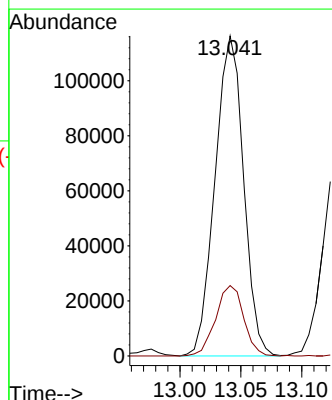
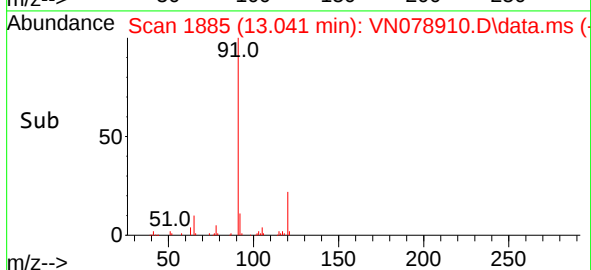
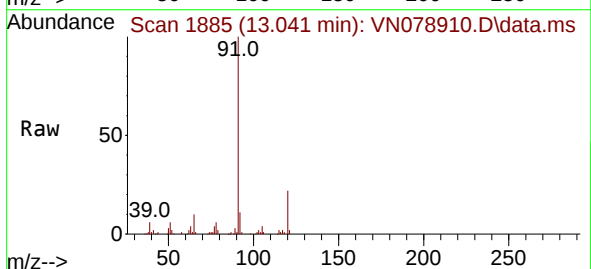
RT: 13.041 min Scan# 1885

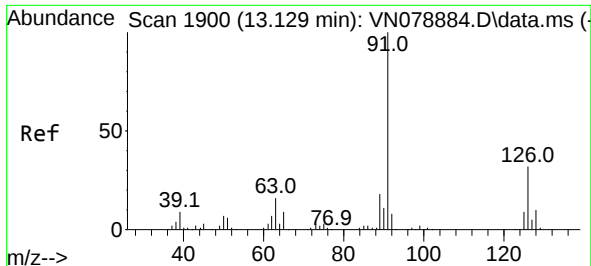
Delta R.T. 0.000 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

Tgt Ion: 91 Resp: 189613
 Ion Ratio Lower Upper
 91 100
 120 21.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 19.116 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tgt Ion: 91 Resp: 11969

Ion Ratio Lower Upper

91 100

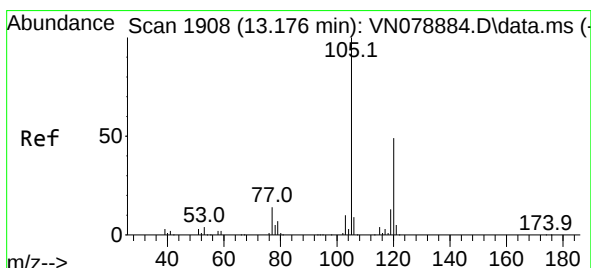
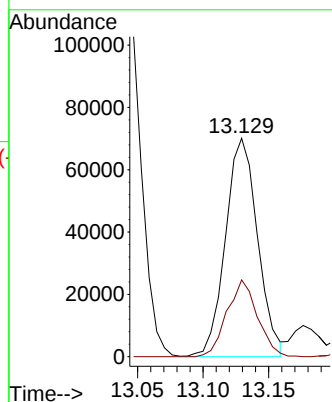
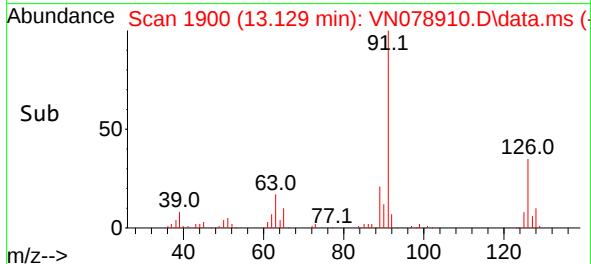
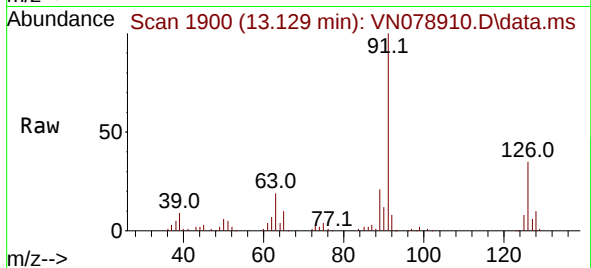
126 33.3 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2023

Supervised By :Mahesh Dadoda 08/17/2023



#80

1,3,5-Trimethylbenzene

Concen: 19.176 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN078910.D

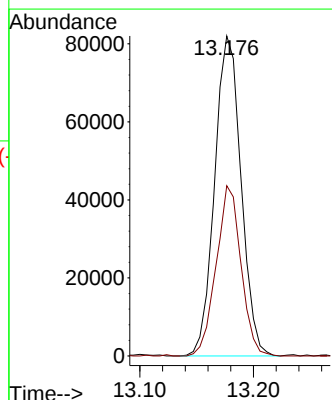
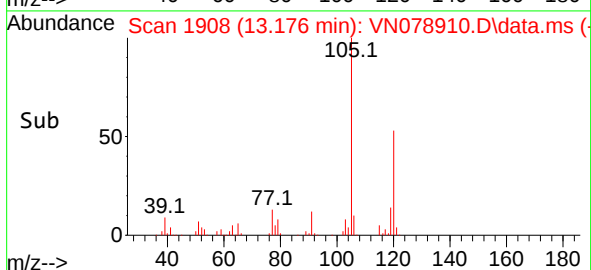
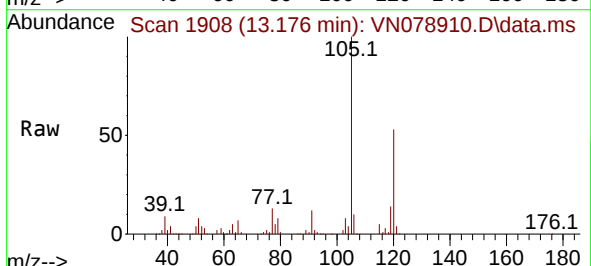
Acq: 16 Aug 2023 18:07

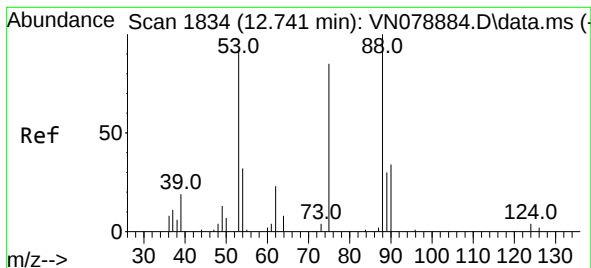
Tgt Ion:105 Resp: 132280

Ion Ratio Lower Upper

105 100

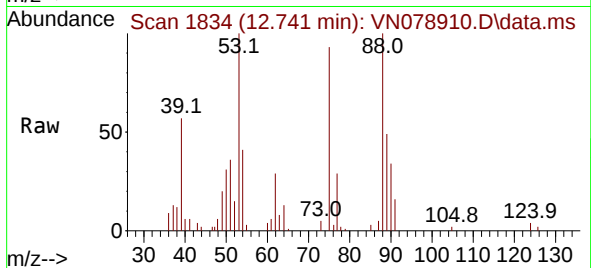
120 50.0 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 20.801 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

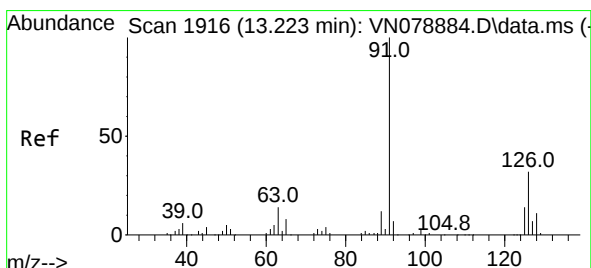
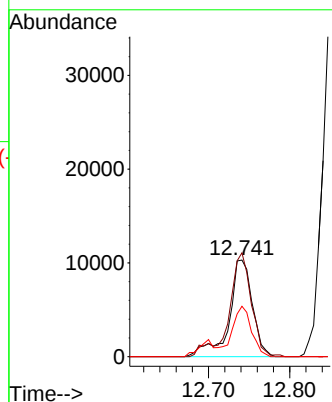
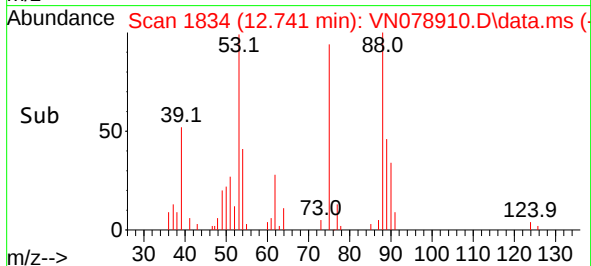
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



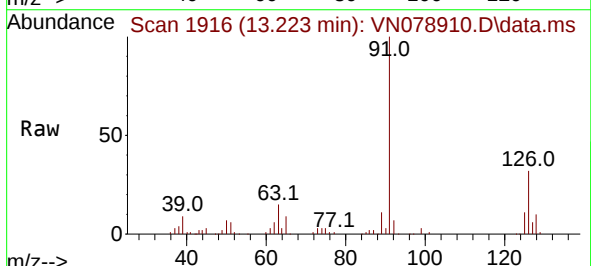
Tgt Ion: 75 Resp: 2048
Ion Ratio Lower Upper
75 100
53 103.7 67.4 101.2
89 43.1 38.8 58.2

Manual Integrations
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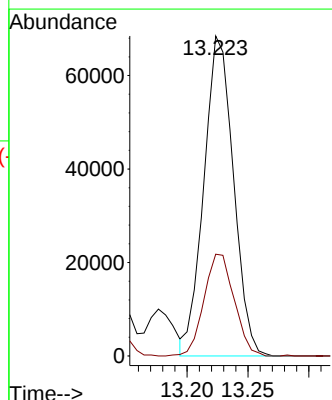
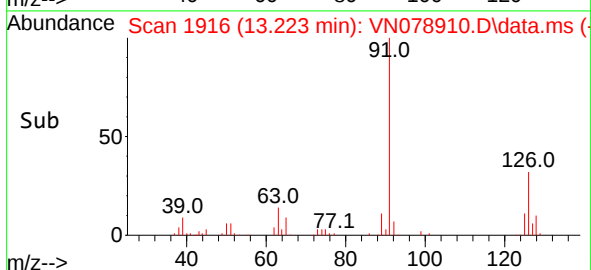
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023

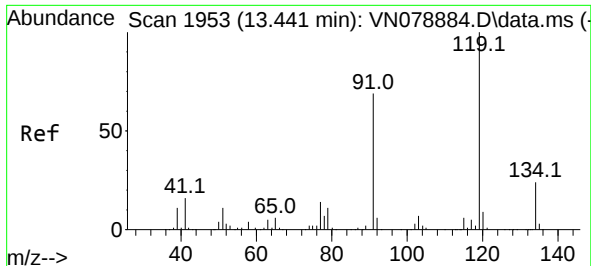


#82
4-Chlorotoluene
Concen: 18.907 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07



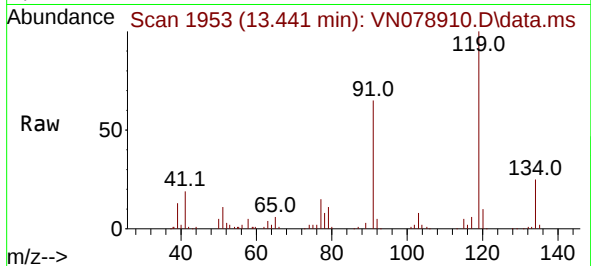
Tgt Ion: 91 Resp: 115836
Ion Ratio Lower Upper
91 100
126 32.4 16.7 50.0





#83
tert-Butylbenzene
Concen: 19.339 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

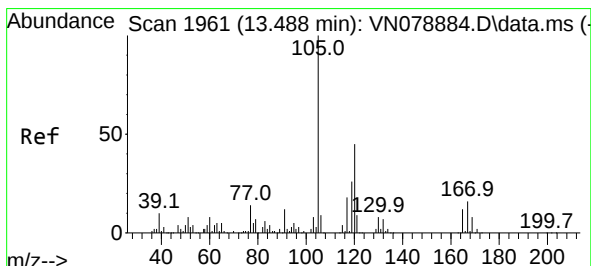
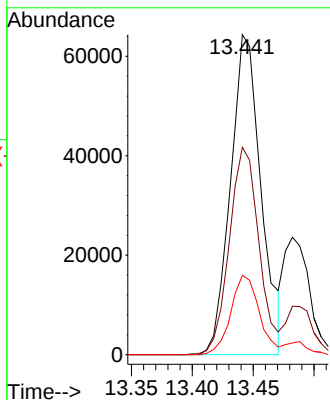
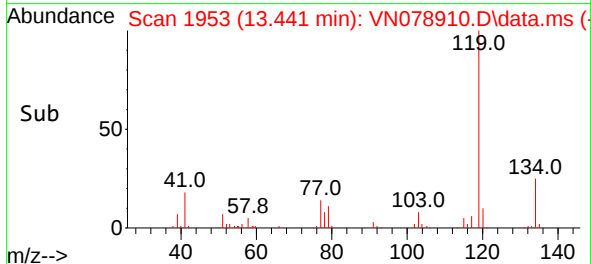
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion:119 Resp: 112088
Ion Ratio Lower Upper
119 100
91 63.1 33.9 101.7
134 23.1 13.2 39.6

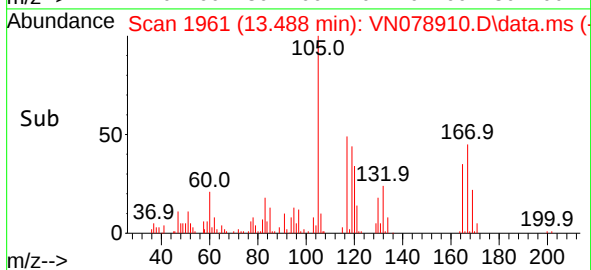
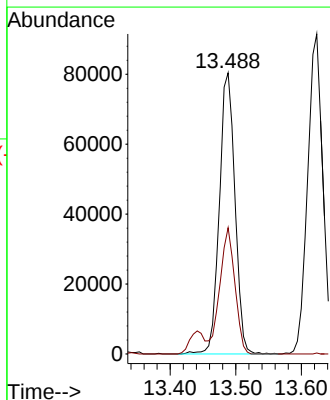
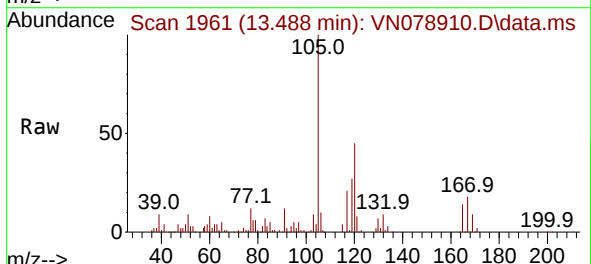
Manual Integrations
APPROVED

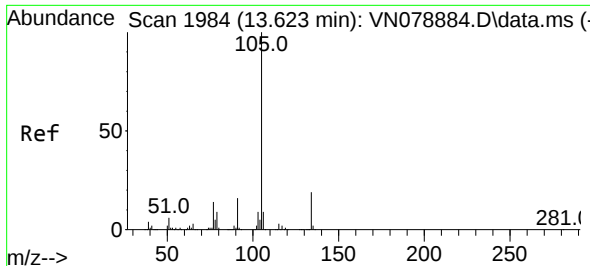
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#84
1,2,4-Trimethylbenzene
Concen: 19.371 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

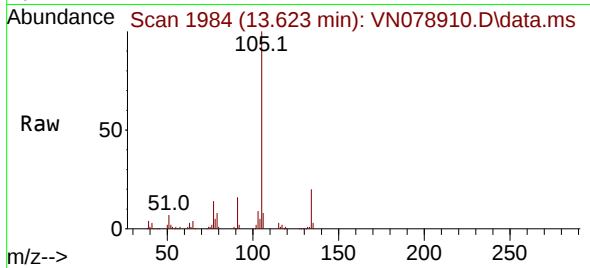
Tgt Ion:105 Resp: 132317
Ion Ratio Lower Upper
105 100
120 44.1 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 18.384 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN078910.D
 Acq: 16 Aug 2023 18:07

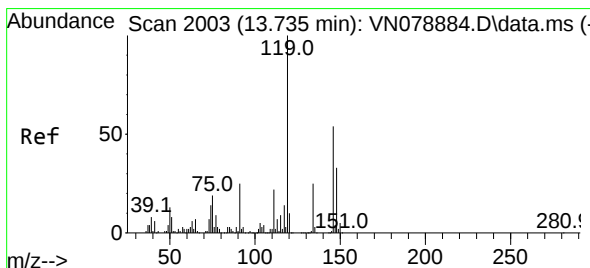
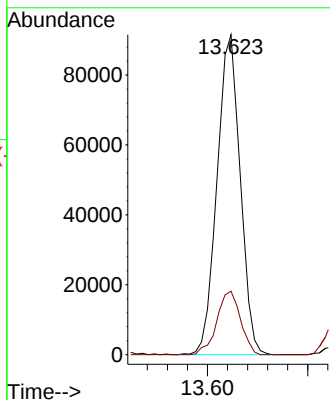
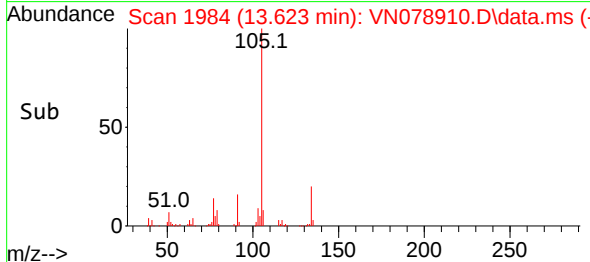
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01



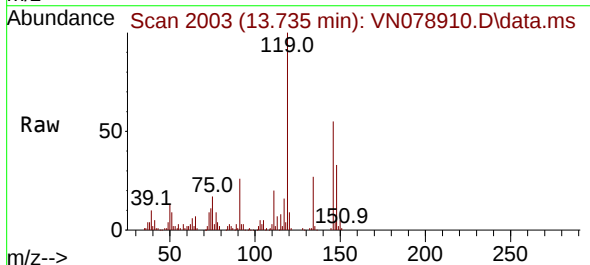
Tgt Ion:105 Resp: 146639
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.8 29.3

Manual Integrations
 APPROVED

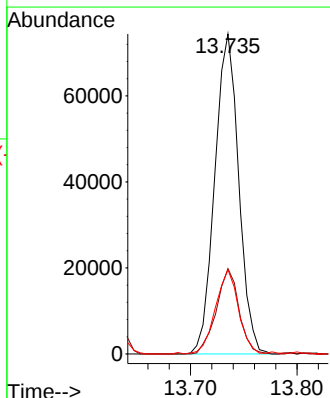
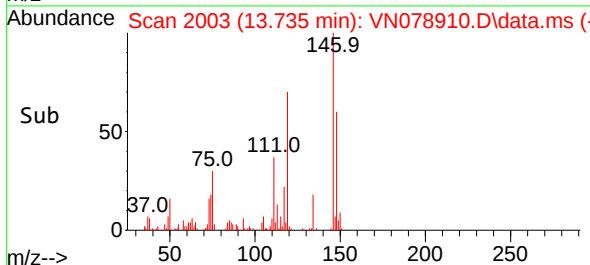
Reviewed By :John Carlone 08/17/2023
 Supervised By :Mahesh Dadoda 08/17/2023

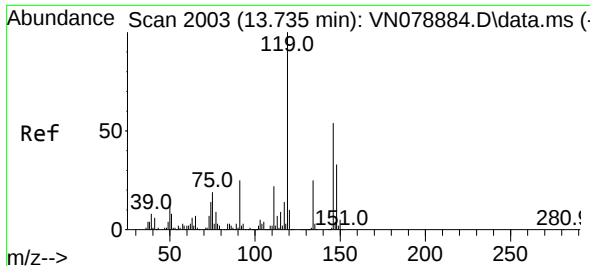


#86
 p-Isopropyltoluene
 Concen: 18.166 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078910.D
 Acq: 16 Aug 2023 18:07



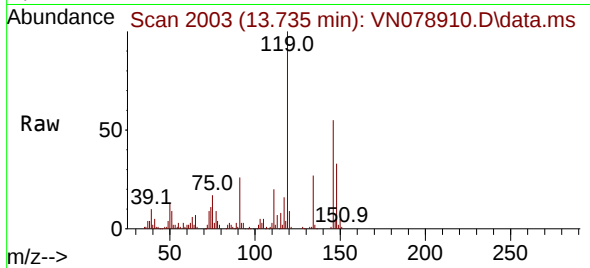
Tgt Ion:119 Resp: 115767
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.6 37.8
 91 25.5 12.4 37.2





#87
 1,3-Dichlorobenzene
 Concen: 18.755 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.006 min
 Lab File: VN078910.D
 Acq: 16 Aug 2023 18:07

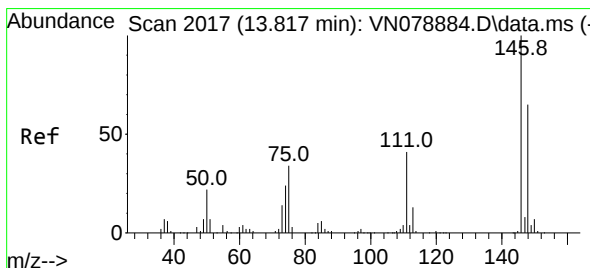
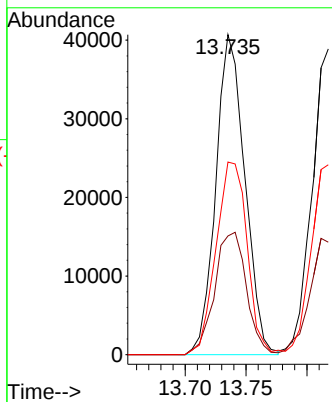
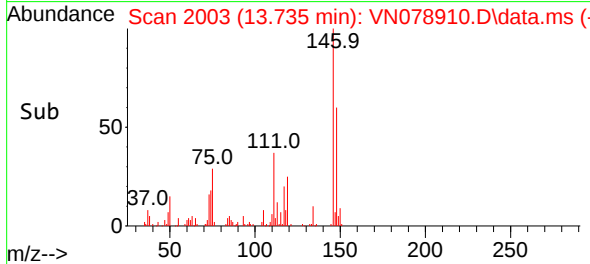
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01



Tgt Ion:146 Resp: 6752
 Ion Ratio Lower Upper
 146 100
 111 41.9 22.1 66.3
 148 64.7 32.0 96.0

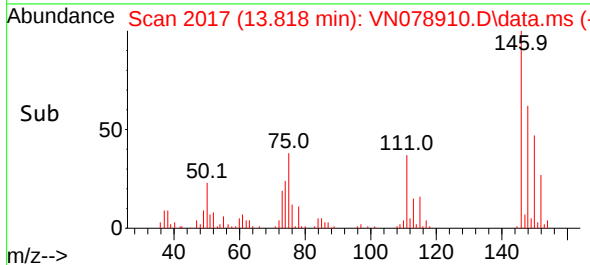
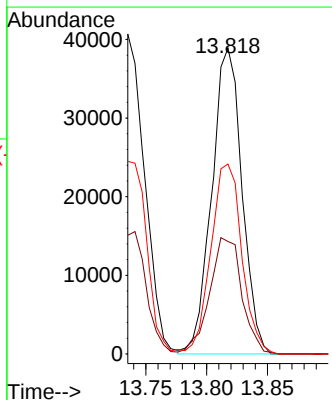
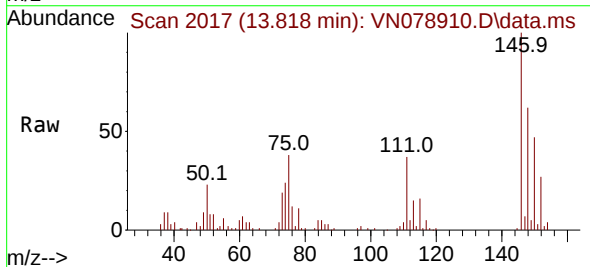
Manual Integrations
 APPROVED

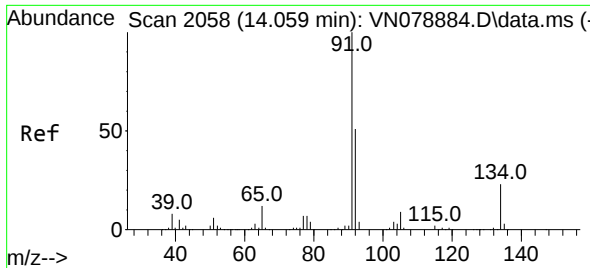
Reviewed By :John Carlone 08/17/2023
 Supervised By :Mahesh Dadoda 08/17/2023



#88
 1,4-Dichlorobenzene
 Concen: 18.622 ug/l
 RT: 13.818 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: VN078910.D
 Acq: 16 Aug 2023 18:07

Tgt Ion:146 Resp: 67108
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.6 61.8
 148 63.4 31.6 94.8





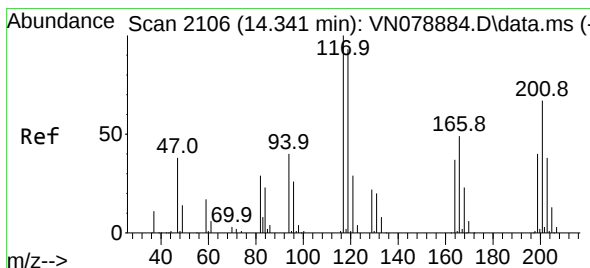
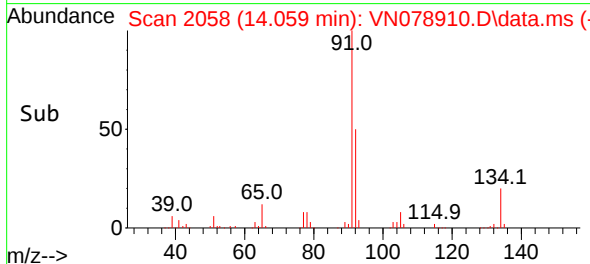
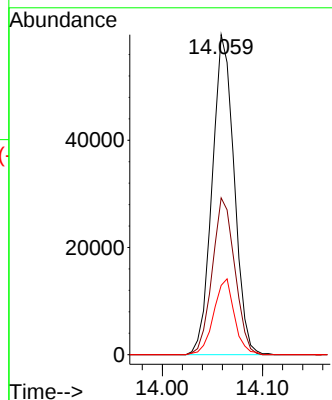
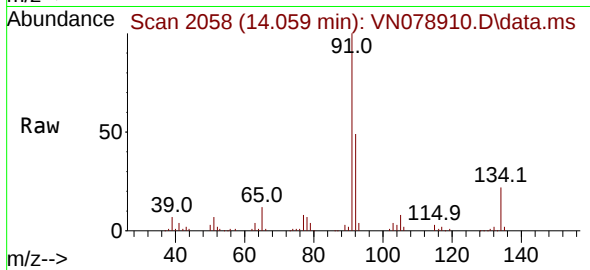
#89
n-Butylbenzene
Concen: 17.307 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tgt Ion: 91 Resp: 90764
Ion Ratio Lower Upper
91 100
92 50.3 26.4 79.0
134 22.4 12.6 37.6

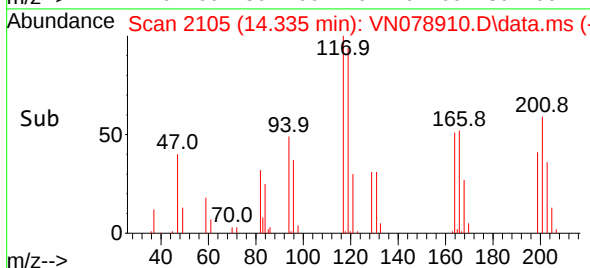
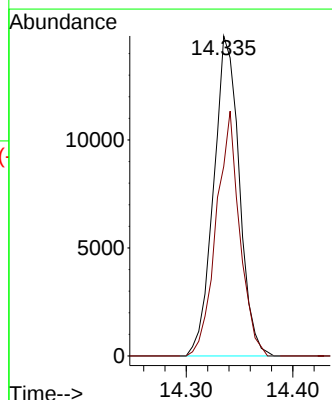
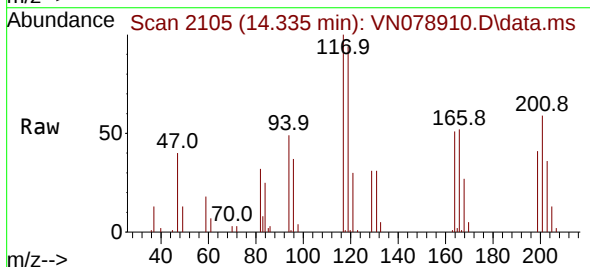
Manual Integrations
APPROVED

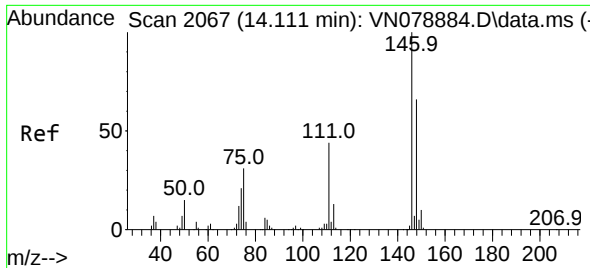
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#90
Hexachloroethane
Concen: 19.387 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

Tgt Ion:117 Resp: 24766
Ion Ratio Lower Upper
117 100
201 69.9 29.3 88.0





#91

1,2-Dichlorobenzene

Concen: 19.174 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. -0.000 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

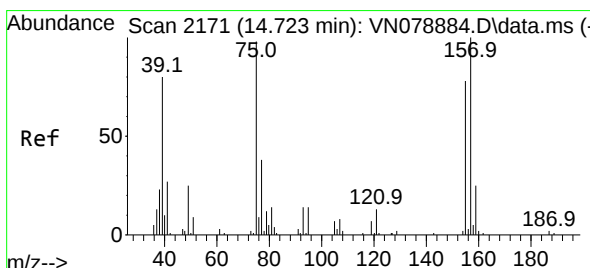
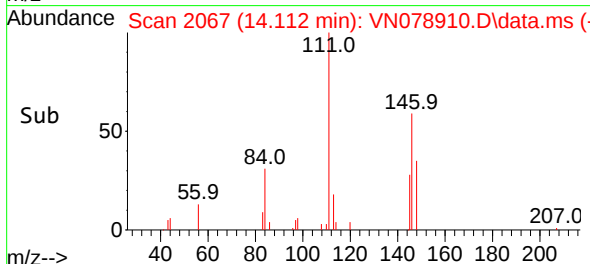
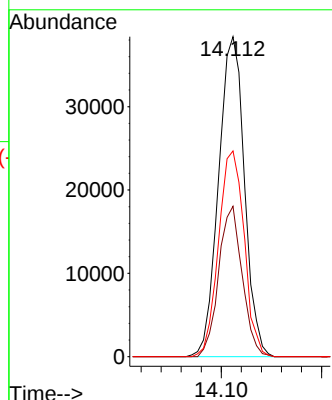
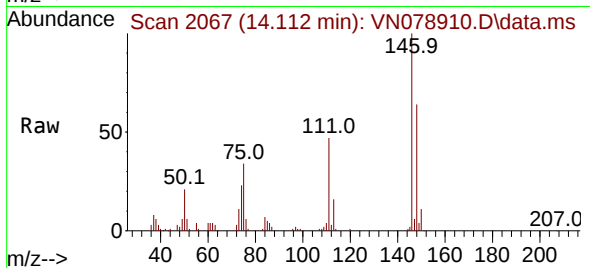
Tgt Ion:	146	Resp:	6865
Ion Ratio	Lower	Upper	
146	100		
111	42.8	22.0	66.0
148	63.6	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2023

Supervised By :Mahesh Dadoda 08/17/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.791 ug/l

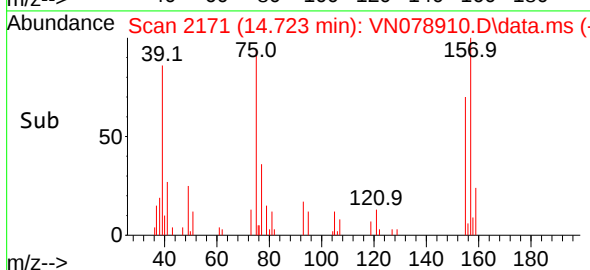
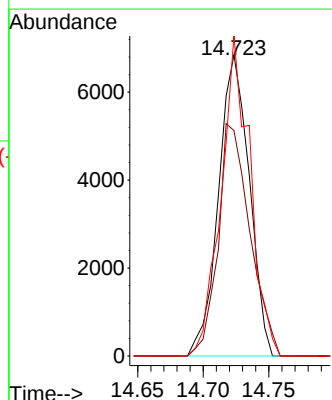
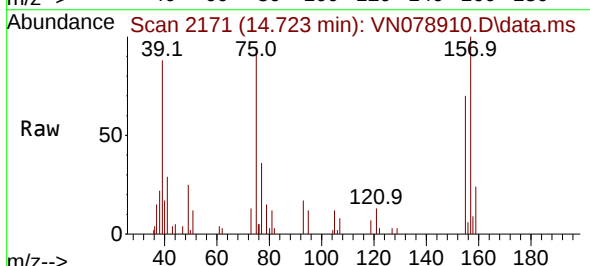
RT: 14.723 min Scan# 2171

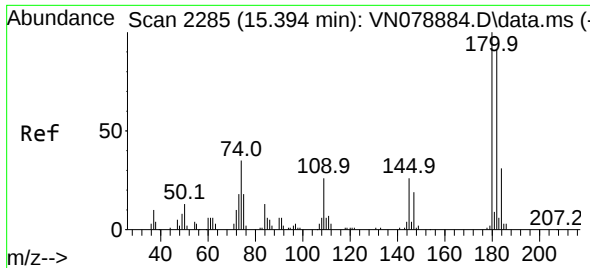
Delta R.T. 0.000 min

Lab File: VN078910.D

Acq: 16 Aug 2023 18:07

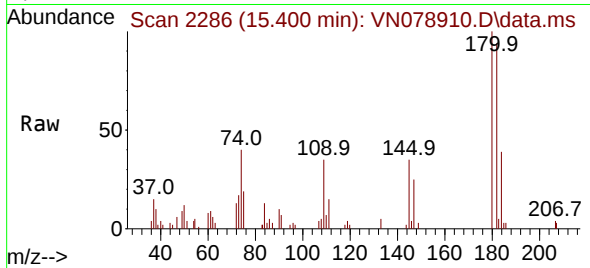
Tgt Ion:	75	Resp:	11174
Ion Ratio	Lower	Upper	
75	100		
155	79.9	39.1	117.2
157	99.7	50.3	150.9





#93
1,2,4-Trichlorobenzene
Concen: 15.634 ug/l
RT: 15.400 min Scan# 210
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

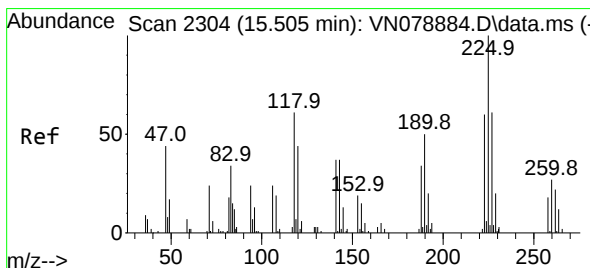
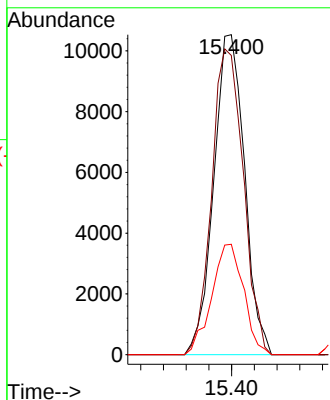
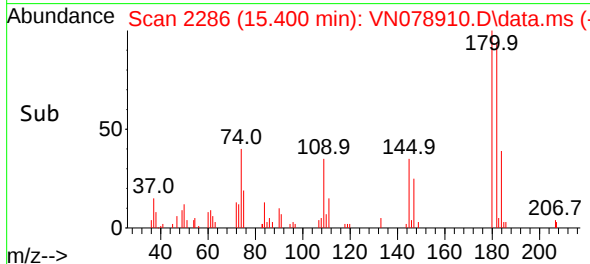
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



Tgt Ion:180 Resp: 19844
Ion Ratio Lower Upper
180 100
182 98.1 46.1 138.2
145 35.7 16.6 49.8

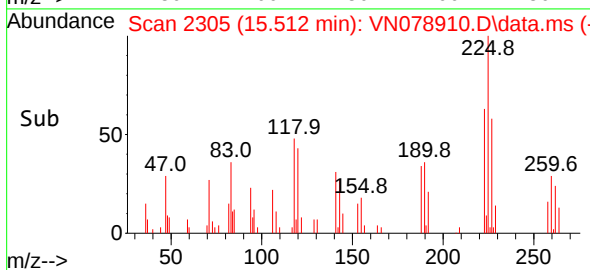
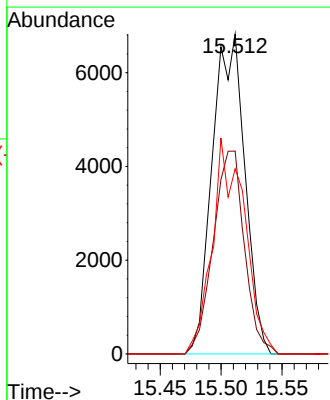
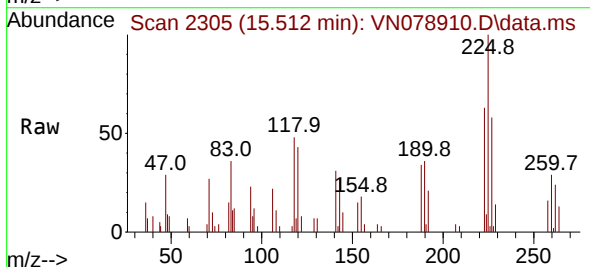
Manual Integrations
APPROVED

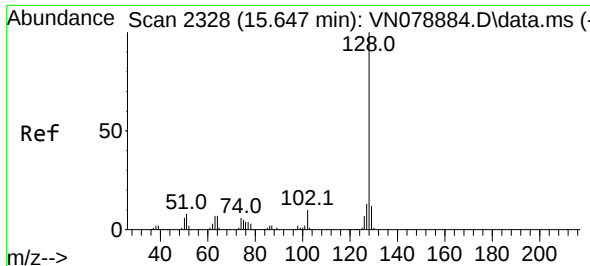
Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#94
Hexachlorobutadiene
Concen: 17.226 ug/l
RT: 15.512 min Scan# 2305
Delta R.T. 0.006 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

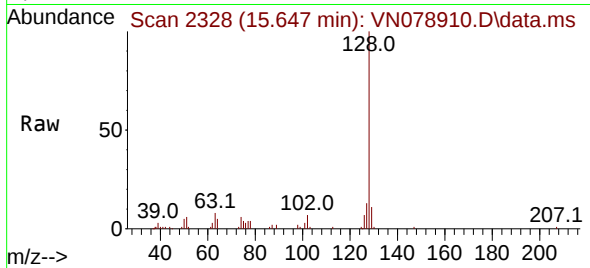
Tgt Ion:225 Resp: 12681
Ion Ratio Lower Upper
225 100
223 61.0 31.3 93.8
227 66.6 31.9 95.9





#95
Naphthalene
Concen: 14.957 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07

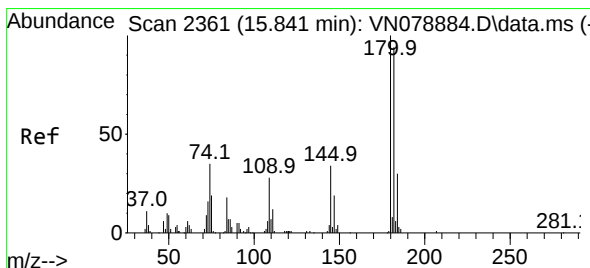
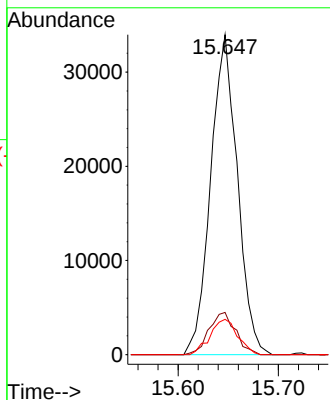
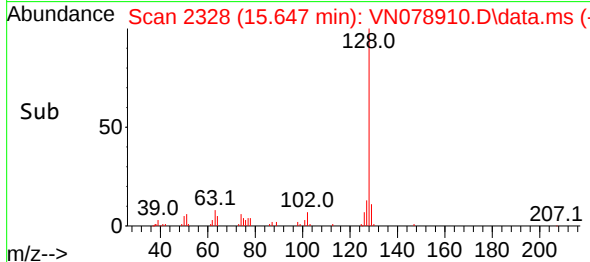
Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01



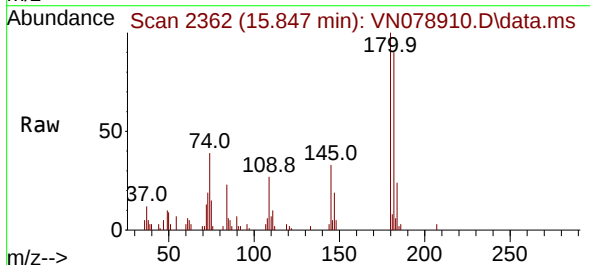
Tgt Ion:128 Resp: 62800
Ion Ratio Lower Upper
128 100
127 13.2 10.0 15.0
129 11.4 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/17/2023
Supervised By :Mahesh Dadoda 08/17/2023



#96
1,2,3-Trichlorobenzene
Concen: 16.693 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN078910.D
Acq: 16 Aug 2023 18:07



Tgt Ion:180 Resp: 23207
Ion Ratio Lower Upper
180 100
182 93.7 46.2 138.6
145 35.7 17.5 52.6

