

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112423\
 Data File : VN080264.D
 Acq On : 24 Nov 2023 16:17
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Nov 27 04:08:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

11/27/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	7.818	128	39422	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	219685	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	201658	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	110501	33.392	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.300%#
60) 4-Bromofluorobenzene	12.853	95	106500	33.025	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	110.100%
63) Toluene-d8	10.570	98	290564	30.410	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.367%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	63708	24.785	ug/l	96
3) Chloromethane	2.359	50	44978	13.890	ug/l	98
4) Vinyl Chloride	2.512	62	51754	19.126	ug/l	99
5) Bromomethane	2.959	94	32555	21.974	ug/l	98
6) Chloroethane	3.124	64	32675	20.790	ug/l	97
7) Trichlorofluoromethane	3.500	101	109782	27.033	ug/l	98
8) Diethyl Ether	3.959	74	30279	20.770	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.377	101	48047	20.942	ug/l #	40
10) 1,1-Dichloroethene	4.341	96	46457	22.889	ug/l	92
11) Methyl Iodide	4.583	142	56393m	21.006	ug/l	
12) Methyl Acetate	5.030	43	82126	15.607	ug/l #	89
13) Acrolein	4.183	56	41603	93.576	ug/l	97
14) Acrylonitrile	5.718	53	106307	85.055	ug/l	99
15) Acetone	4.436	58	29955m	70.979	ug/l	
16) Carbon Disulfide	4.712	76	125405	18.094	ug/l	98
17) Allyl chloride	5.024	41	54648	15.408	ug/l	91
18) Methylene Chloride	5.283	84	51916	19.074	ug/l	94
19) trans-1,2-Dichloroethene	5.794	96	49920	19.842	ug/l	96
20) Diisopropyl ether	6.677	45	127080	15.333	ug/l #	94
21) 1,1-Dichloroethane	6.571	63	92457	18.689	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	56717	19.427	ug/l	92
23) tert-Butyl Alcohol	5.524	59	38535	114.225	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	164288	21.983	ug/l #	80
25) Chloroform	7.971	83	106939	20.941	ug/l	96
26) Cyclohexane	8.259	56	65893	16.931	ug/l #	84
29) 1,1-Dichloropropene	8.371	75	74838	19.849	ug/l	89
30) 2-Butanone	7.482	43	127411	70.759	ug/l #	88
31) 2,2-Dichloropropane	7.494	77	88024	21.600	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	106430	24.727	ug/l	95
33) Carbon Tetrachloride	8.359	117	102351	27.054	ug/l	97
34) Benzene	8.612	78	210911	18.831	ug/l	96
35) Methacrylonitrile	7.788	41	28828	15.270	ug/l	90
36) 1,2-Dichloroethane	8.671	62	86066	21.233	ug/l	99
37) Trichloroethene	9.353	130	56200	20.865	ug/l	94
38) Methylcyclohexane	9.606	83	68086	19.232	ug/l	95
39) 1,2-Dichloropropane	9.623	63	49713	16.769	ug/l	95
40) Dibromomethane	9.712	93	39629	20.681	ug/l	92
41) Bromodichloromethane	9.888	83	84447	21.278	ug/l	100
42) Vinyl Acetate	6.606	43	409359m	91.526	ug/l	

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Manual Integrations
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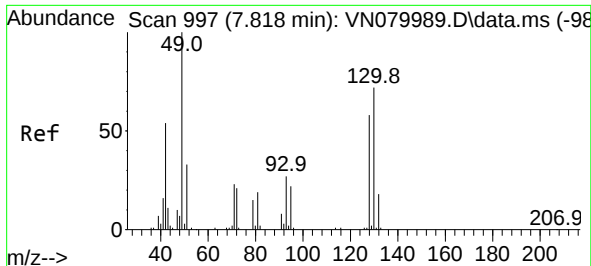
Reviewed By :John
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Quant Time: Nov 27 04:08:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
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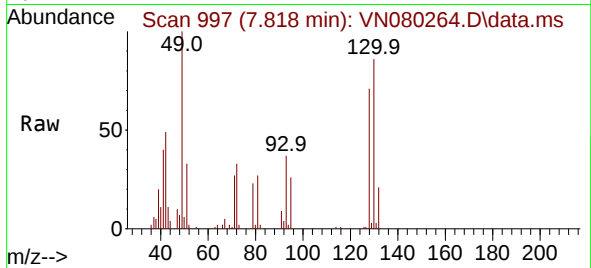
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	54137	16.005	ug/l	99
44) Isopropyl Acetate	8.694	43	90264	16.377	ug/l #	88
45) 1,4-Dioxane	9.700	88	17380	409.181	ug/l	94
46) Methyl methacrylate	9.682	41	41167	15.538	ug/l	85
47) n-amyl Acetate	12.494	43	69913	15.792	ug/l	93
48) t-1,3-Dichloropropene	10.841	75	84173	20.767	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	88876	19.835	ug/l	89
50) 1,1,2-Trichloroethane	11.018	97	50706	19.398	ug/l	94
51) Ethyl methacrylate	10.876	69	72756	19.365	ug/l	85
52) 1,3-Dichloropropane	11.165	76	91198	19.515	ug/l	100
53) Dibromochloromethane	11.365	129	65766	23.518	ug/l	97
54) 1,2-Dibromoethane	11.476	107	53969	20.561	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	128640	74.444	ug/l #	94
56) Bromoform	12.582	173	44929	24.519	ug/l #	95
58) 4-Methyl-2-Pentanone	10.447	43	268354	79.654	ug/l #	87
59) 2-Hexanone	11.200	43	196746	76.662	ug/l #	89
61) Tetrachloroethene	11.106	164	57131	24.165	ug/l	92
62) Toluene	10.635	91	238340	20.435	ug/l	98
64) Chlorobenzene	11.894	112	141692	20.357	ug/l	93
65) 1,1,1,2-Tetrachloroethane	11.959	131	59090	23.144	ug/l	94
66) Ethyl Benzene	11.964	91	251990	20.560	ug/l	100
67) m/p-Xylenes	12.070	106	191936	42.064	ug/l	88
68) o-Xylene	12.400	106	92063	21.050	ug/l	94
69) Styrene	12.412	104	157267	21.722	ug/l	97
70) Isopropylbenzene	12.700	105	242048	22.187	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	69529	18.712	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	69587m	20.156	ug/l	
73) Bromobenzene	12.982	156	59397	22.146	ug/l	95
74) n-propylbenzene	13.041	91	266625	20.430	ug/l	97
75) 2-Chlorotoluene	13.129	91	178557	21.525	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	214693	23.793	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	22246	19.678	ug/l	92
78) 4-Chlorotoluene	13.223	91	178265	21.637	ug/l	97
79) tert-butylbenzene	13.441	119	166677	23.587	ug/l	98
80) 1,2,4-Trimethylbenzene	13.488	105	206749	23.367	ug/l	96
81) sec-Butylbenzene	13.617	105	226106	22.667	ug/l	99
82) p-Isopropyltoluene	13.735	119	190342	23.496	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	107748	22.047	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	102262	21.319	ug/l	97
85) n-Butylbenzene	14.058	91	144571	21.337	ug/l	96
86) Hexachloroethane	14.341	117	35571	22.580	ug/l	77
87) 1,2-Dichlorobenzene	14.106	146	107550	23.035	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	16218	23.867	ug/l	96
89) 1,2,4-Trichlorobenzene	15.847	180	53082	24.541	ug/l	99
90) Hexachlorobutadiene	15.505	225	30975	29.057	ug/l	98
91) Naphthalene	15.647	128	148575	21.404	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	53082	24.541	ug/l	99

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



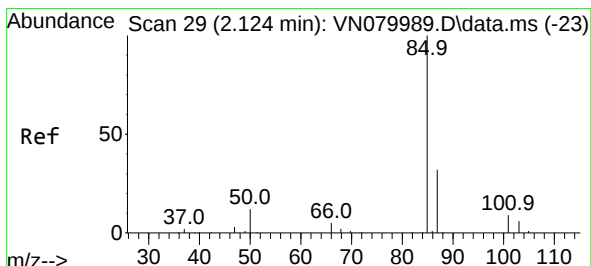
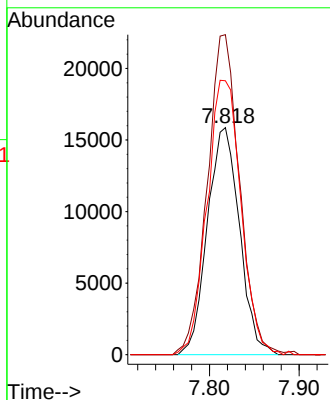
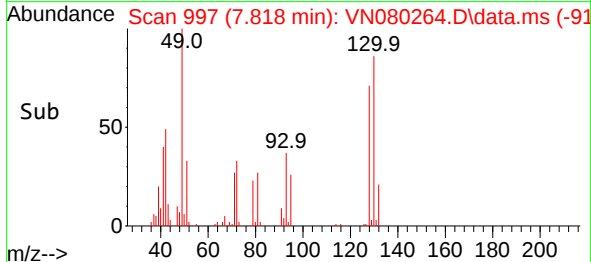
Tgt Ion:128 Resp: 3942
Ion Ratio Lower Upper
128 100
49 141.5 0.0 468.5
130 127.8 0.0 320.7

Manual Integrations
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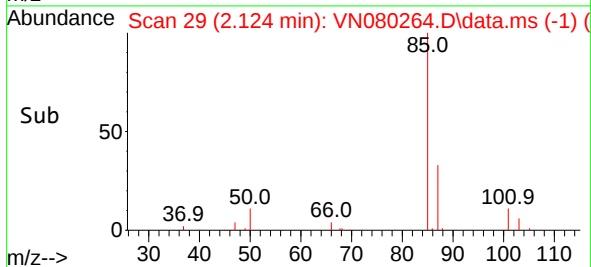
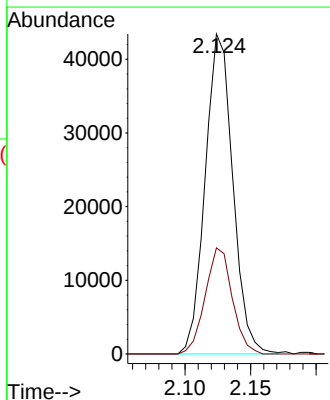
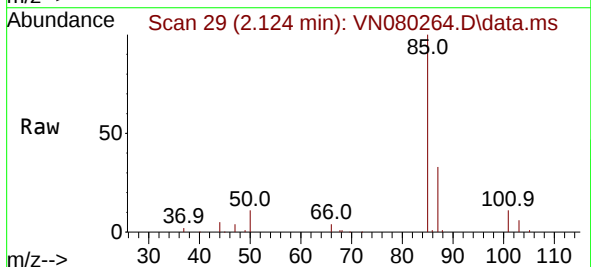
11/27/2023
Supervised By :Mahesh
Dadoda

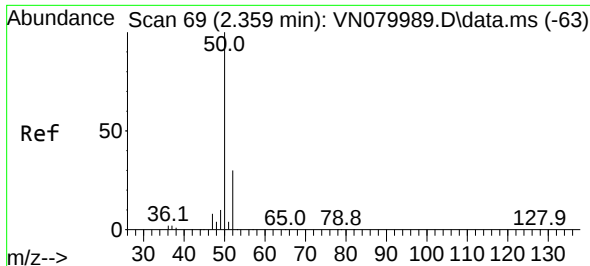
11/27/2023



#2
Dichlorodifluoromethane
Concen: 24.785 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

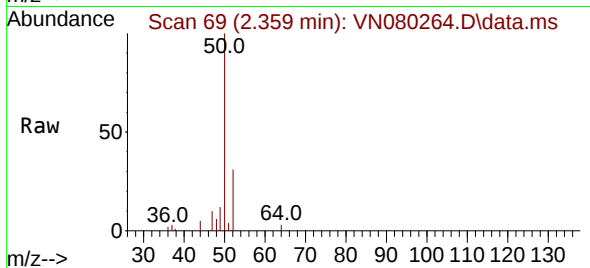
Tgt Ion: 85 Resp: 63708
Ion Ratio Lower Upper
85 100
87 33.1 15.6 46.7





#3
Chloromethane
Concen: 13.890 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



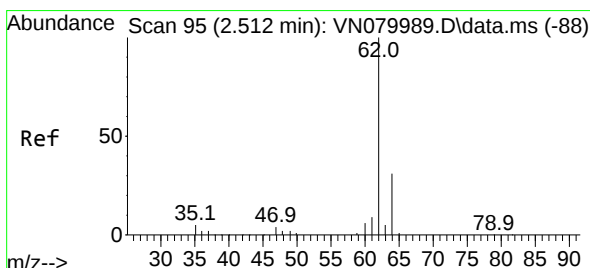
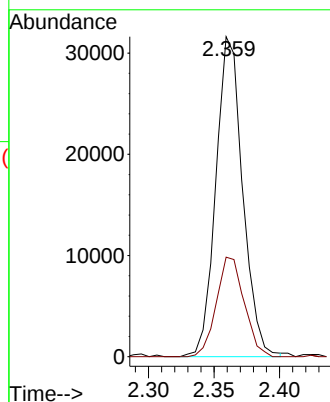
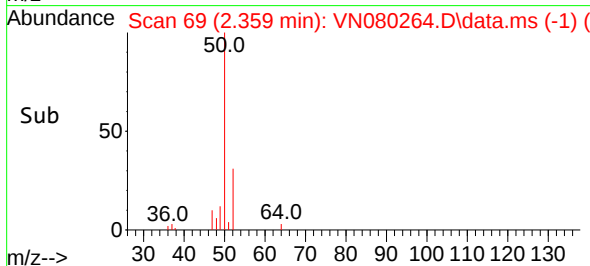
Tgt Ion: 50 Resp: 44978
Ion Ratio Lower Upper
50 100
52 31.1 25.6 38.4

Manual Integrations
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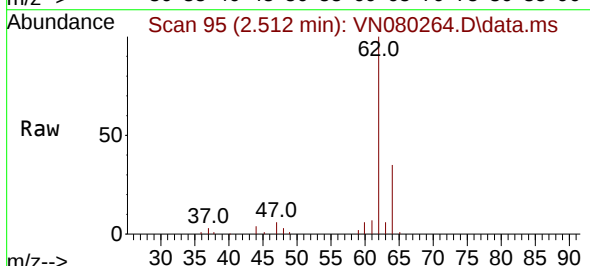
Reviewed By :John
Carlone

11/27/2023
Supervised By :Mahesh
Dadoda

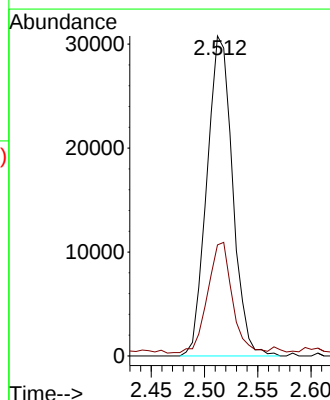
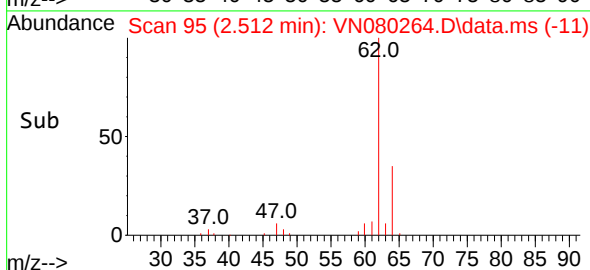
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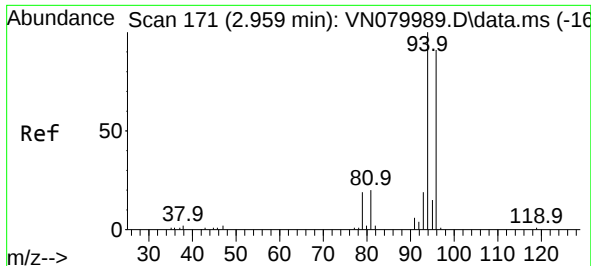


#4
Vinyl Chloride
Concen: 19.126 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17



Tgt Ion: 62 Resp: 51754
Ion Ratio Lower Upper
62 100
64 33.7 26.4 39.6





#5
Bromomethane
Concen: 21.974 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

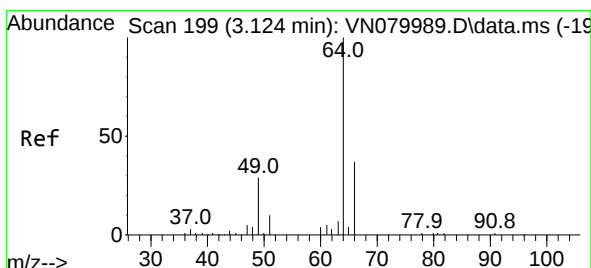
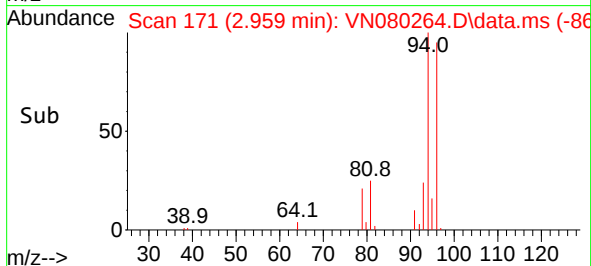
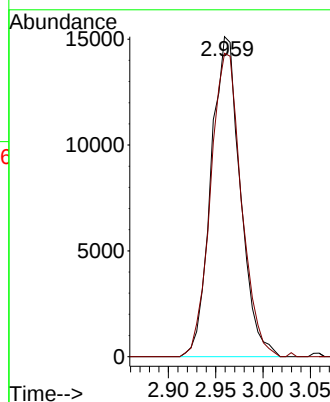
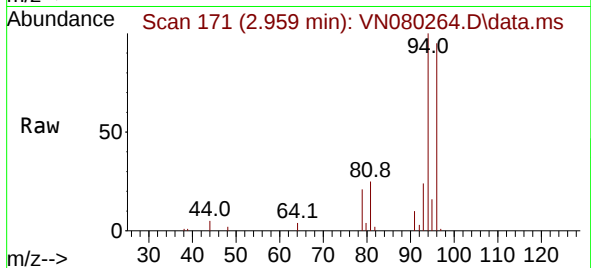
Tgt Ion: 94 Resp: 3255
Ion Ratio Lower Upper
94 100
96 94.8 77.8 116.6

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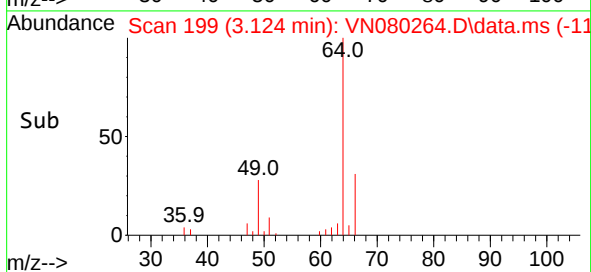
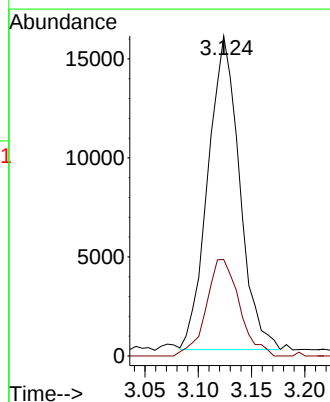
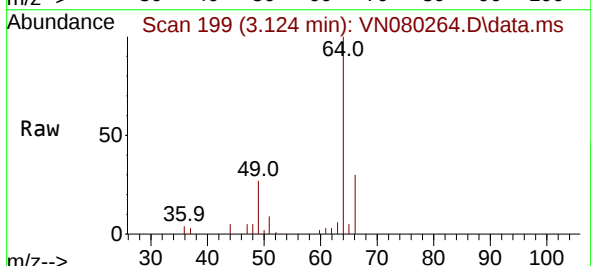
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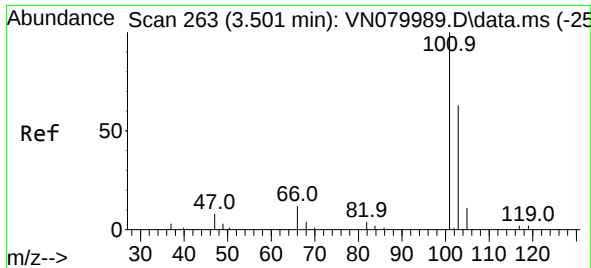
11/27/2023



#6
Chloroethane
Concen: 20.790 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

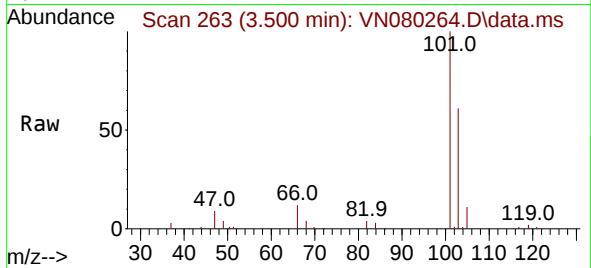
Tgt Ion: 64 Resp: 32675
Ion Ratio Lower Upper
64 100
66 30.8 23.3 34.9





#7
Trichlorofluoromethane
Concen: 27.033 ug/l
RT: 3.500 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

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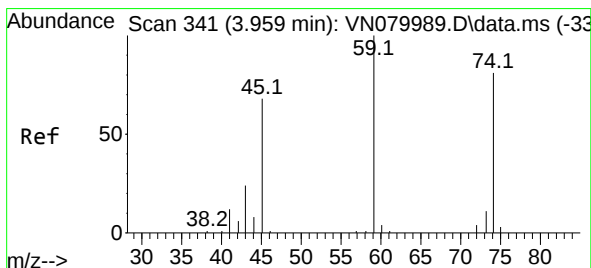
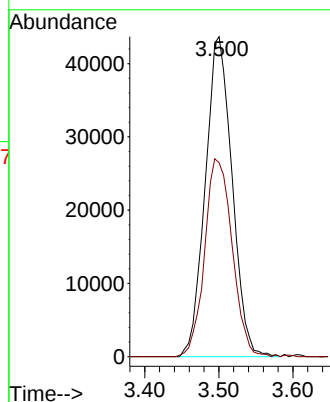
Tgt Ion:101 Resp: 10978
Ion Ratio Lower Upper
101 100
103 60.6 49.9 74.9

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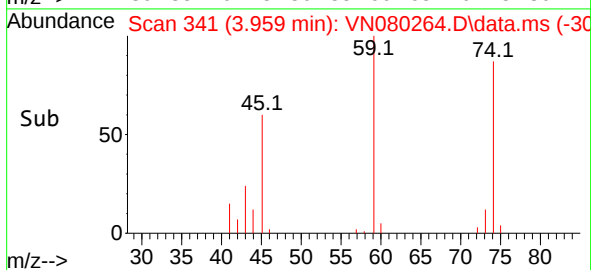
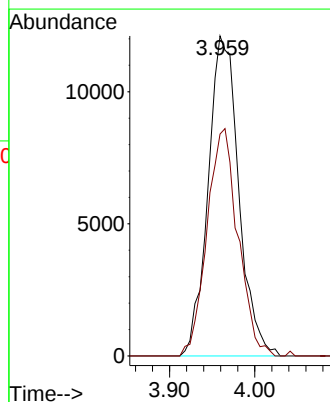
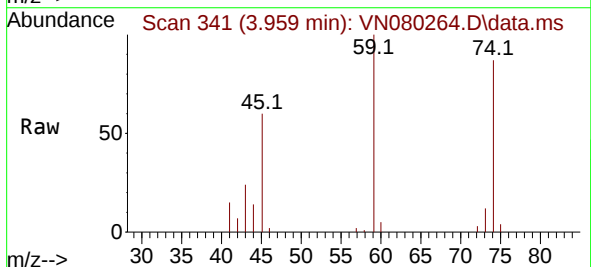
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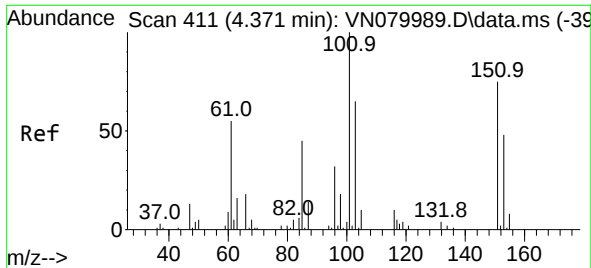
11/27/2023



#8
Diethyl Ether
Concen: 20.770 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Tgt Ion: 74 Resp: 30279
Ion Ratio Lower Upper
74 100
45 71.9 19.0 171.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.942 ug/l
RT: 4.377 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

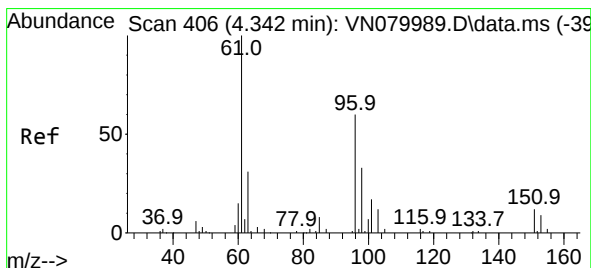
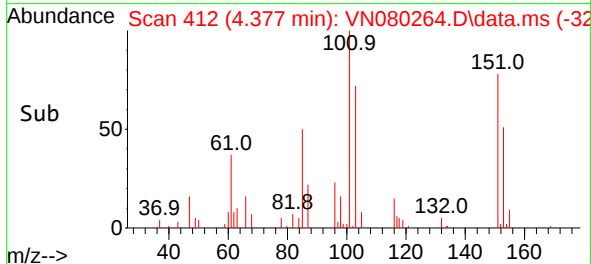
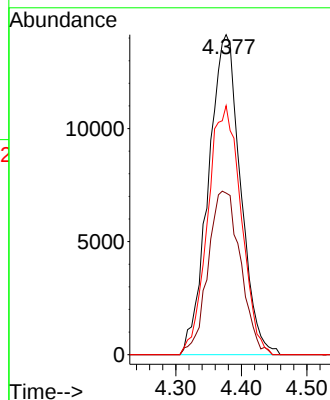
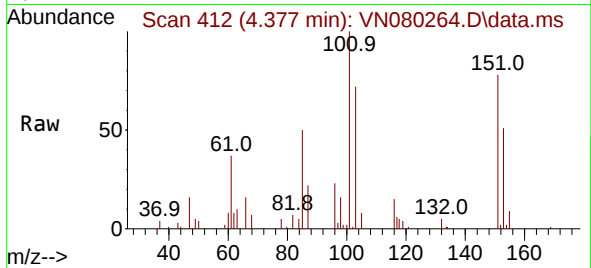
Tgt Ion:101 Resp: 4804
Ion Ratio Lower Upper
101 100
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151 0.0 0.0 138.4

Manual Integrations
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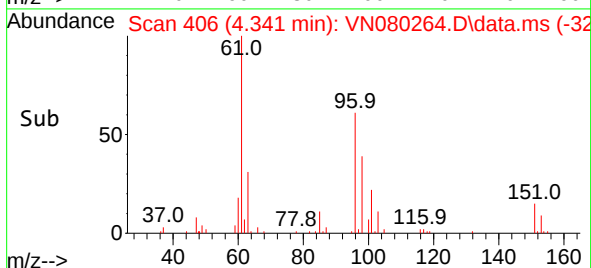
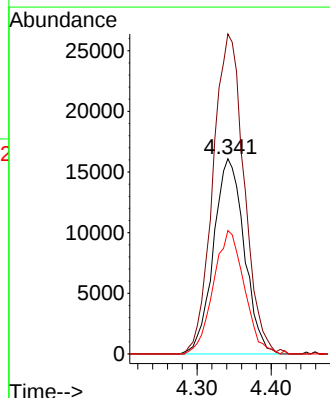
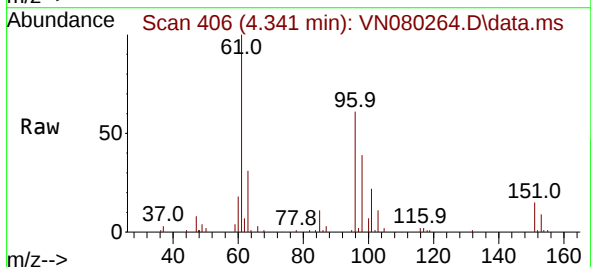
11/27/2023
Supervised By :Mahesh
Dadoda

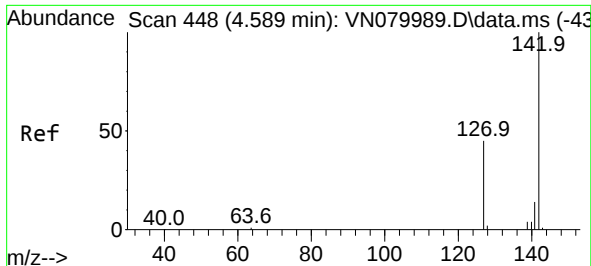
11/27/2023



#10
1,1-Dichloroethene
Concen: 22.889 ug/l
RT: 4.341 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

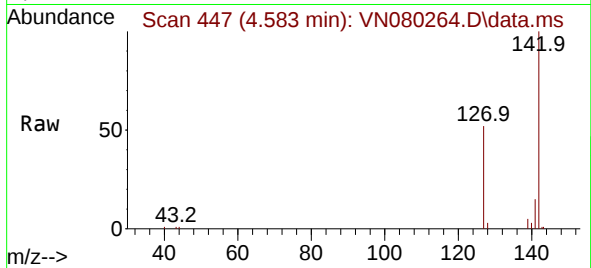
Tgt Ion: 96 Resp: 46457
Ion Ratio Lower Upper
96 100
61 163.9 141.3 211.9
98 63.2 53.2 79.8





#11
Methyl Iodide
Concen: 21.006 ug/l m
RT: 4.583 min Scan# 448
Delta R.T. -0.011 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



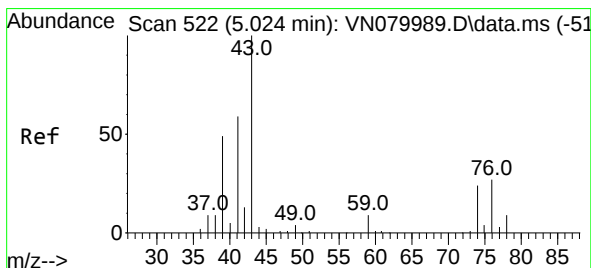
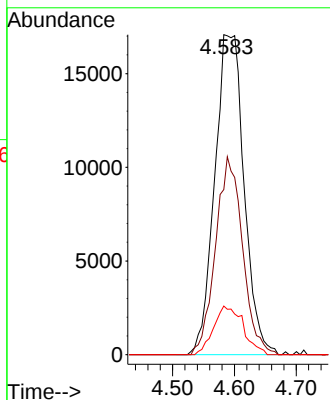
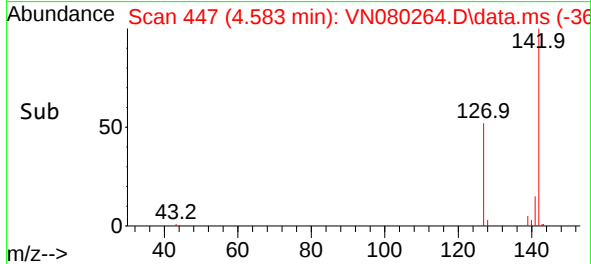
Tgt Ion:142 Resp: 5639
Ion Ratio Lower Upper
142 100
127 51.6 24.6 73.8
141 15.2 7.7 23.1

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Reviewed By :John
Carlone

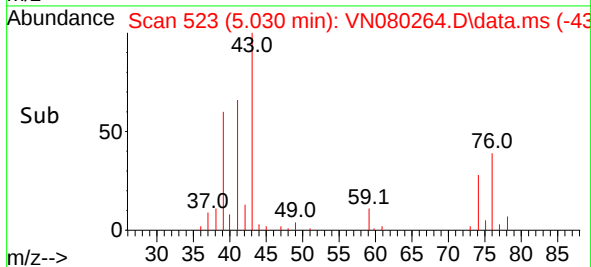
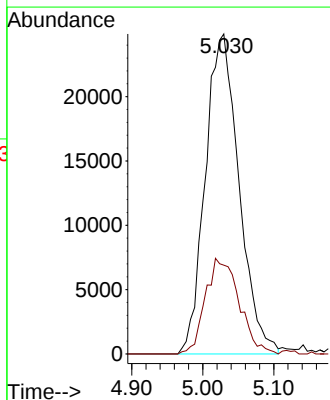
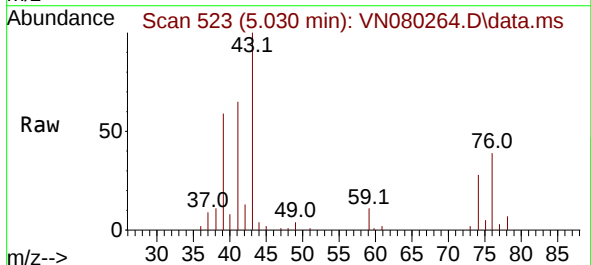
11/27/2023
Supervised By :Mahesh
Dadoda

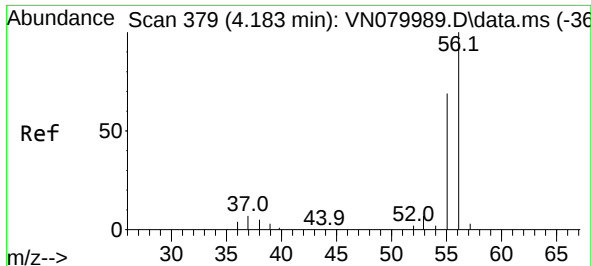
11/27/2023



#12
Methyl Acetate
Concen: 15.607 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Tgt Ion: 43 Resp: 82126
Ion Ratio Lower Upper
43 100
74 28.0 18.1 27.1#





#13
Acrolein
Concen: 93.576 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

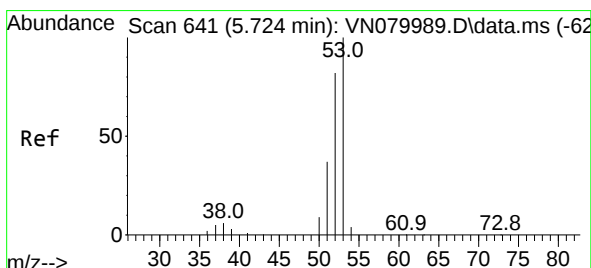
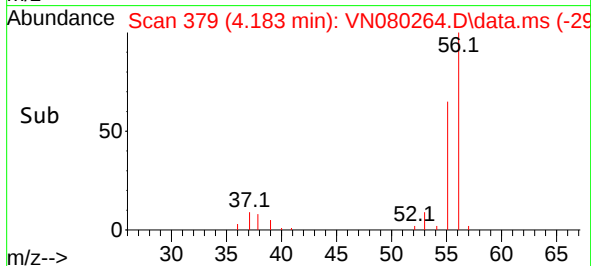
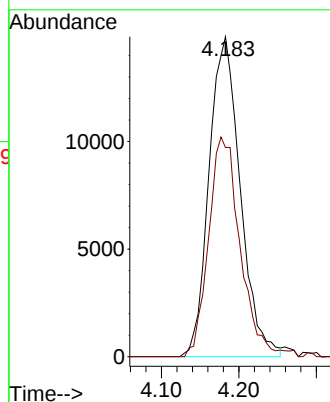
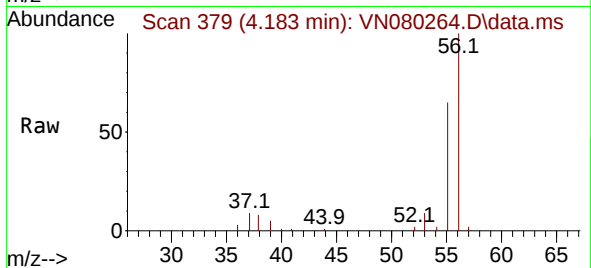
Tgt Ion: 56 Resp: 4160
Ion Ratio Lower Upper
56 100
55 68.6 57.1 85.7

Manual Integrations
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Reviewed By :John
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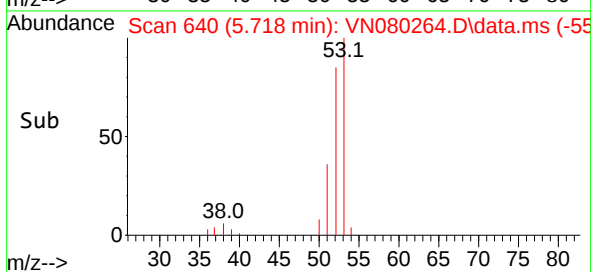
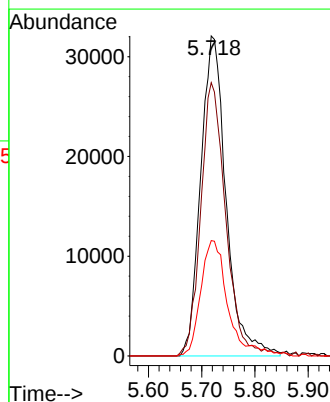
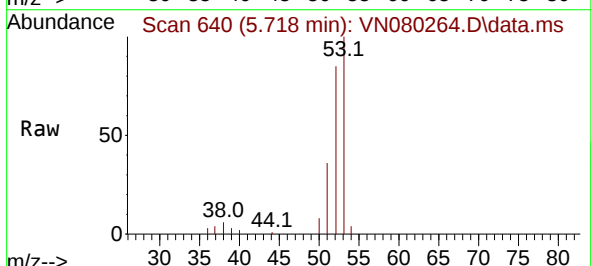
11/27/2023
Supervised By :Mahesh
Dadoda

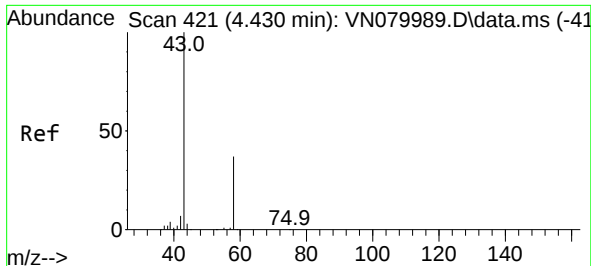
11/27/2023



#14
Acrylonitrile
Concen: 85.055 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Tgt Ion: 53 Resp: 106307
Ion Ratio Lower Upper
53 100
52 82.8 41.6 124.9
51 36.0 17.8 53.3





#15

Acetone

Concen: 70.979 ug/l m

RT: 4.436 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

Tgt Ion: 58 Resp: 2995

Ion Ratio Lower Upper

58 100

43 299.5 225.2 337.8

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Manual Integrations

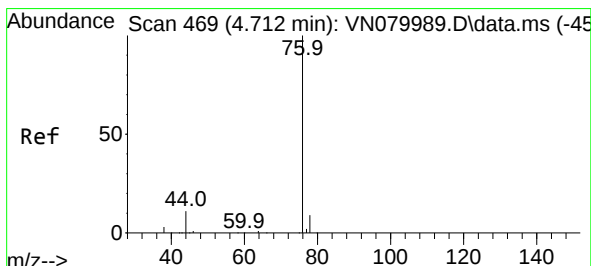
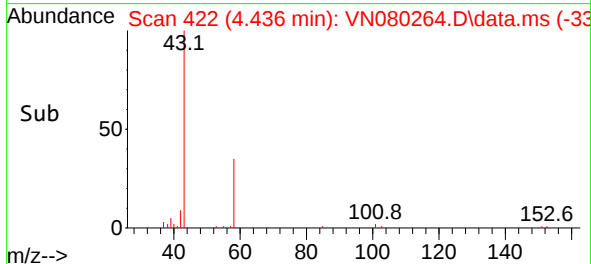
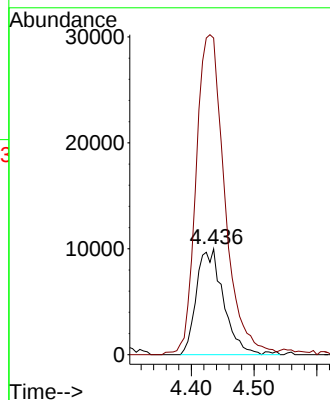
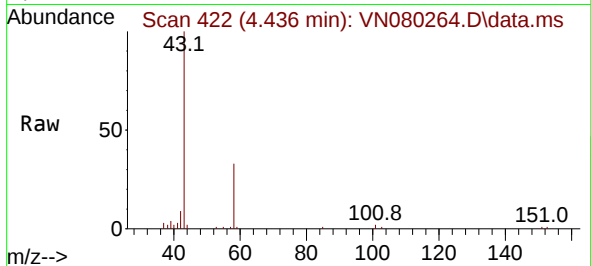
APPROVED

Reviewed By :John
Carlone

11/27/2023

Supervised By :Mahesh
Dadoda

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#16

Carbon Disulfide

Concen: 18.094 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.006 min

Lab File: VN080264.D

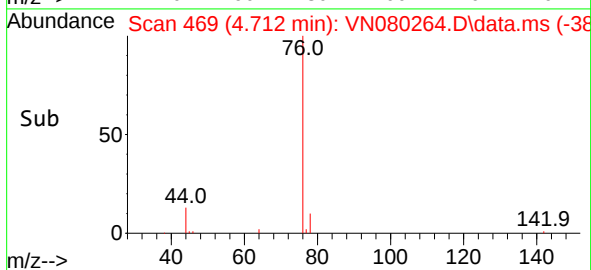
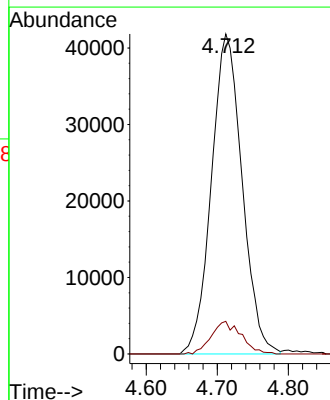
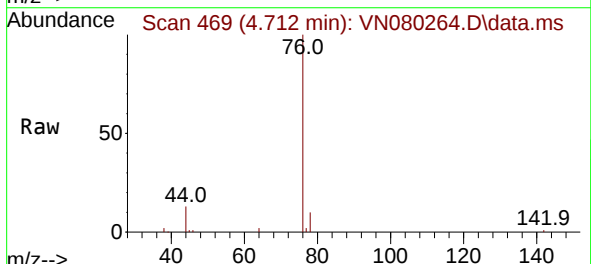
Acq: 24 Nov 2023 16:17

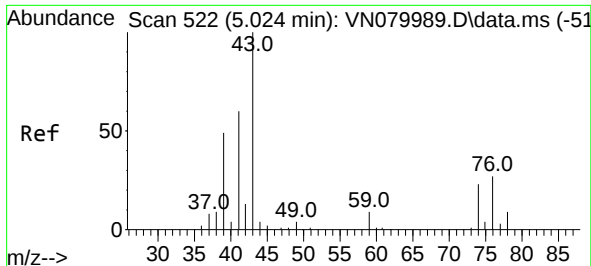
Tgt Ion: 76 Resp: 125405

Ion Ratio Lower Upper

76 100

78 10.2 7.5 11.3





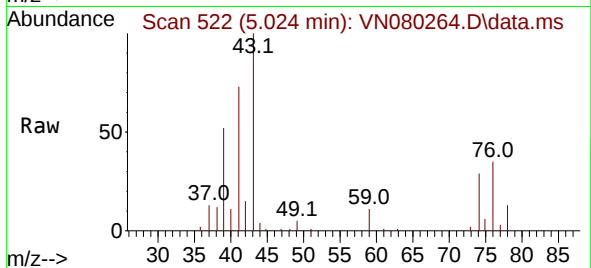
#17
 Allyl chloride
 Concen: 15.408 ug/l
 RT: 5.024 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN080264.D
 Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



Tgt Ion: 41 Resp: 54648
 Ion Ratio Lower Upper
 41 100
 39 71.8 38.4 115.2
 76 47.8 19.5 58.5

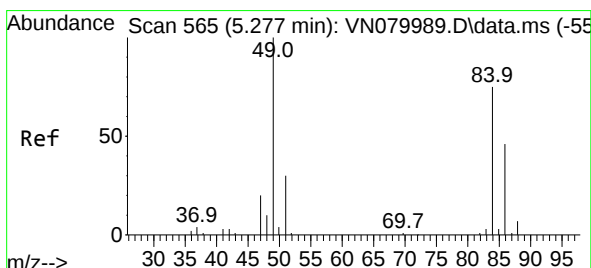
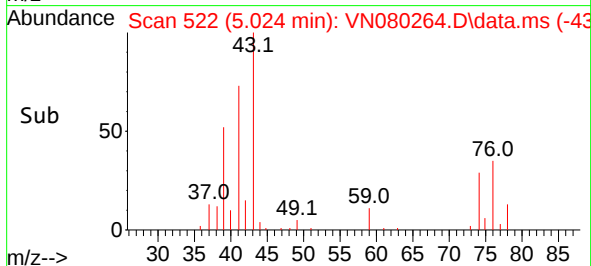
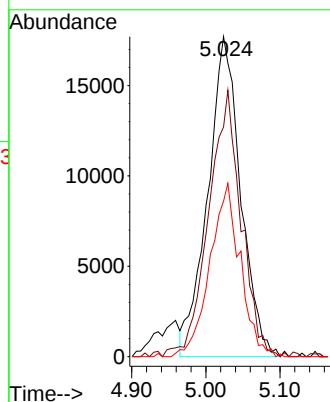
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Reviewed By :John
 Carlone

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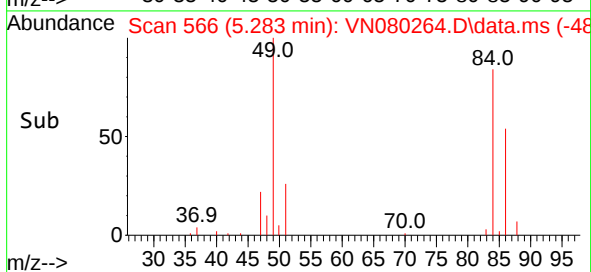
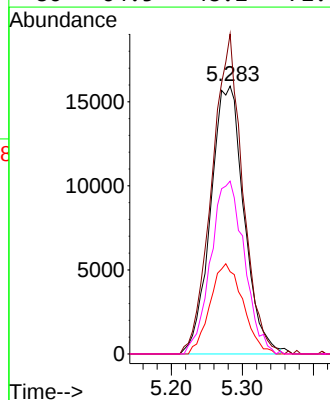
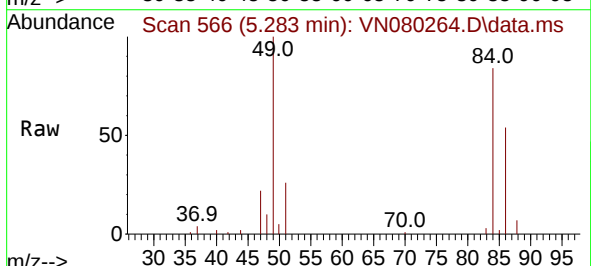
Supervised By :Mahesh
 Dadoda

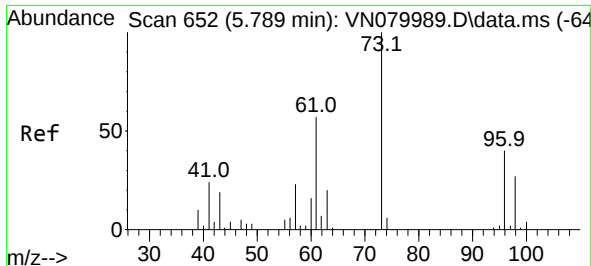
11/27/2023



#18
 Methylene Chloride
 Concen: 19.074 ug/l
 RT: 5.283 min Scan# 566
 Delta R.T. -0.000 min
 Lab File: VN080264.D
 Acq: 24 Nov 2023 16:17

Tgt Ion: 84 Resp: 51916
 Ion Ratio Lower Upper
 84 100
 49 119.5 100.9 151.3
 51 30.7 29.4 44.2
 86 64.5 48.2 72.4





#19

trans-1,2-Dichloroethene

Concen: 19.842 ug/l

RT: 5.794 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 96 Resp: 49920
 Ion Ratio Lower Upper
 96 100
 61 137.4 113.4 170.0
 98 59.4 50.4 75.6

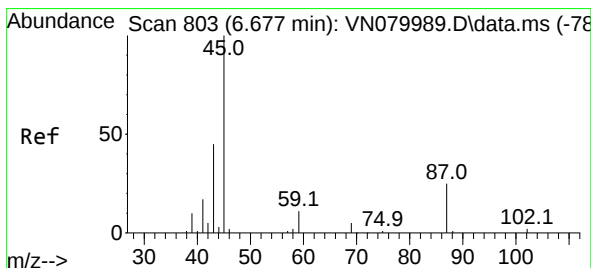
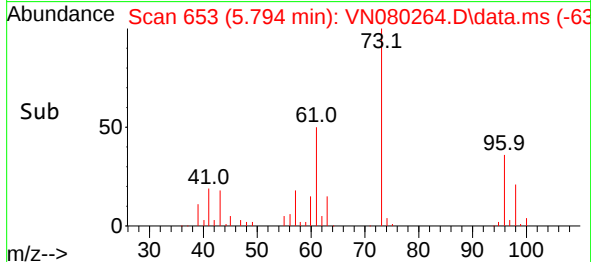
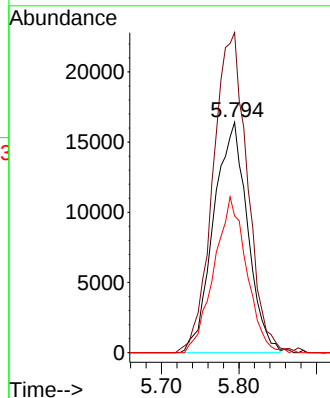
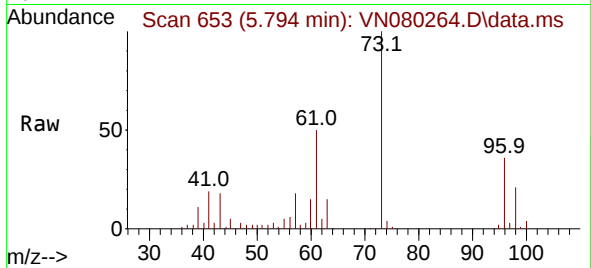
Manual Integrations
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Reviewed By :John
 Carlone

11/27/2023

Supervised By :Mahesh
 Dadoda

11/27/2023



#20

Diisopropyl ether

Concen: 15.333 ug/l

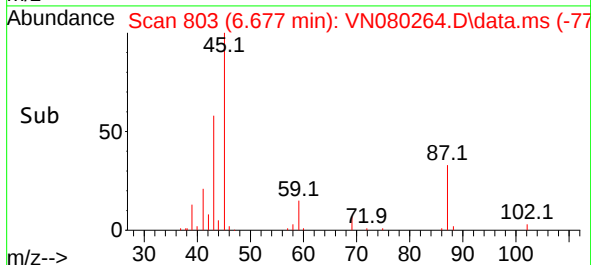
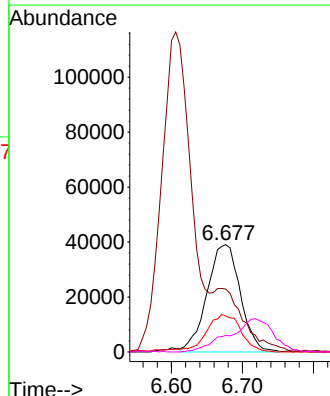
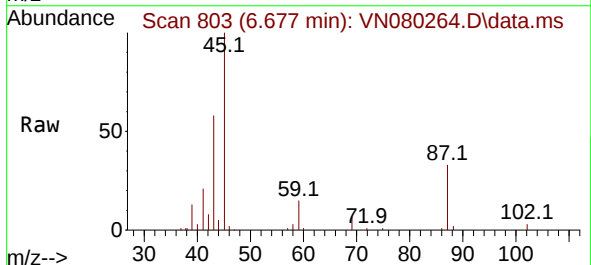
RT: 6.677 min Scan# 803

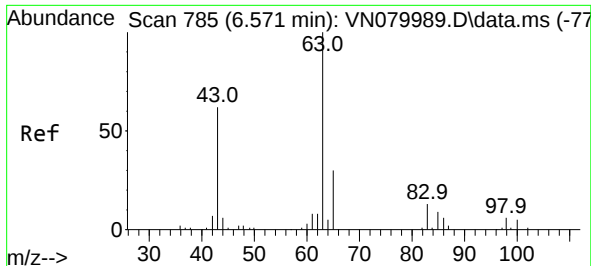
Delta R.T. -0.006 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

Tgt Ion: 45 Resp: 127080
 Ion Ratio Lower Upper
 45 100
 43 54.4 42.1 63.1
 87 33.5 20.5 30.7#
 59 15.5 10.9 16.3





#21

1,1-Dichloroethane

Concen: 18.689 ug/l

RT: 6.571 min Scan# 785

Delta R.T. -0.006 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:	63	Resp:	9245
Ion Ratio	Lower	Upper	
63	100		
98	6.1	2.8	8.4
100	4.5	1.9	5.7

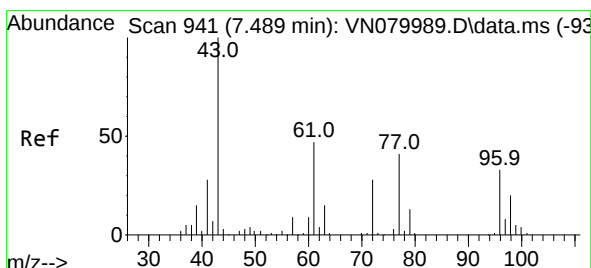
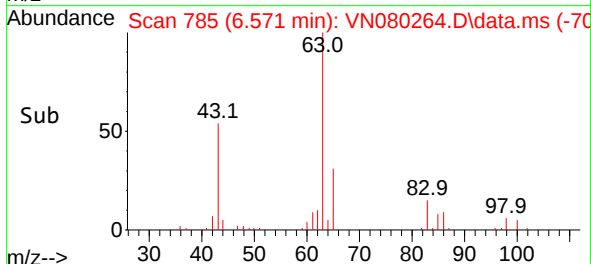
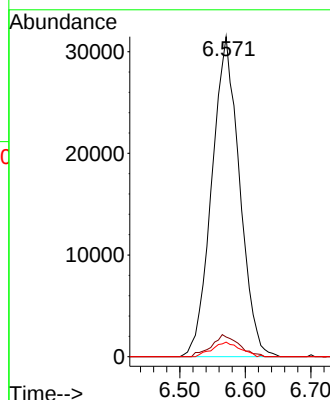
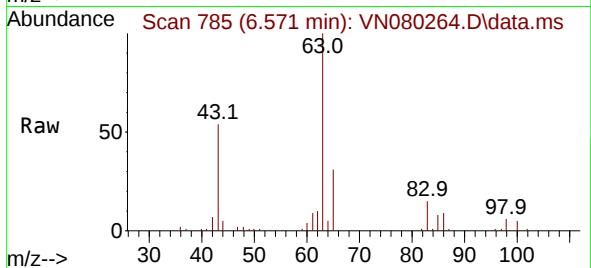
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Reviewed By :John
Carlone

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Supervised By :Mahesh
Dadoda

11/27/2023



#22

cis-1,2-Dichloroethene

Concen: 19.427 ug/l

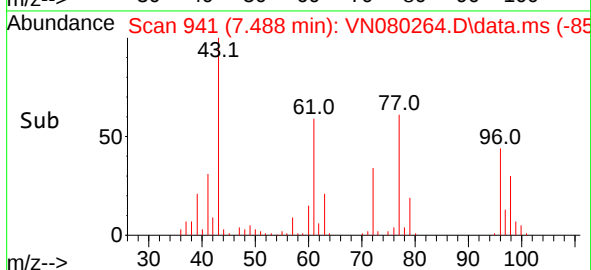
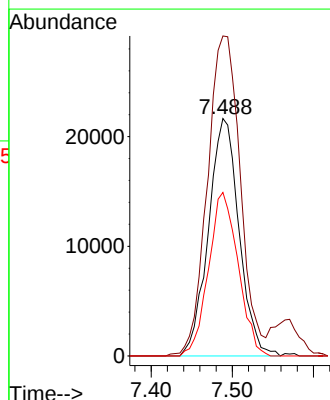
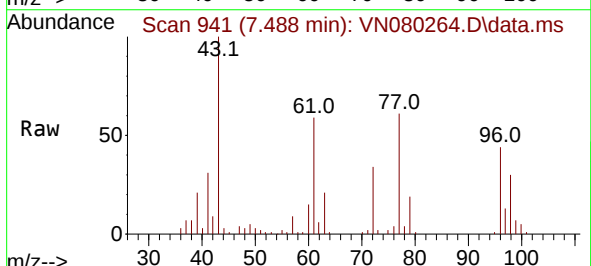
RT: 7.488 min Scan# 941

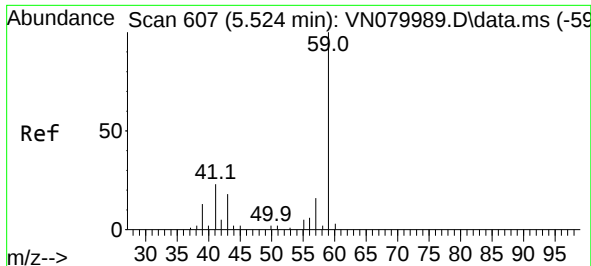
Delta R.T. -0.006 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

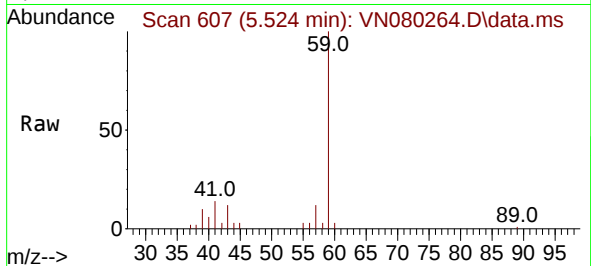
Tgt Ion:	96	Resp:	56717
Ion Ratio	Lower	Upper	
96	100		
61	142.3	124.6	186.8
98	66.6	54.2	81.4





#23
tert-Butyl Alcohol
Concen: 114.225 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



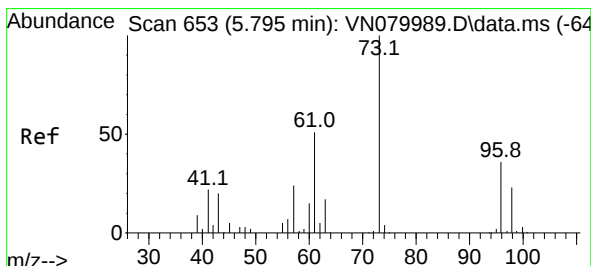
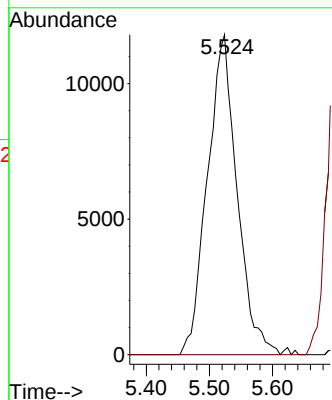
Tgt Ion: 59 Resp: 3853
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
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Reviewed By :John
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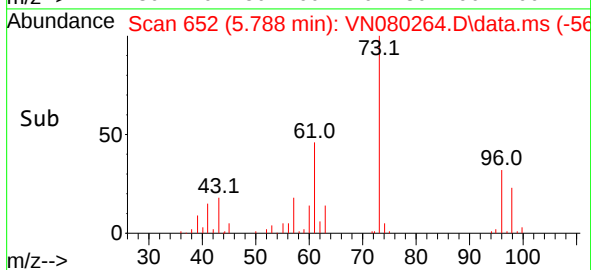
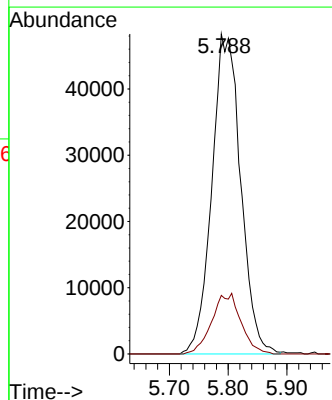
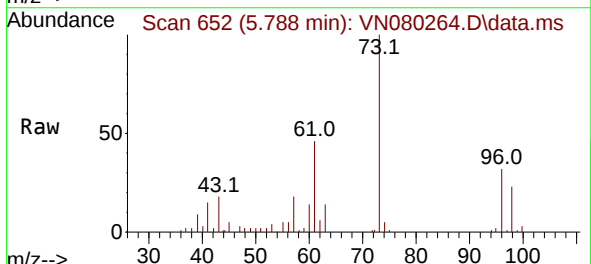
11/27/2023
Supervised By :Mahesh
Dadoda

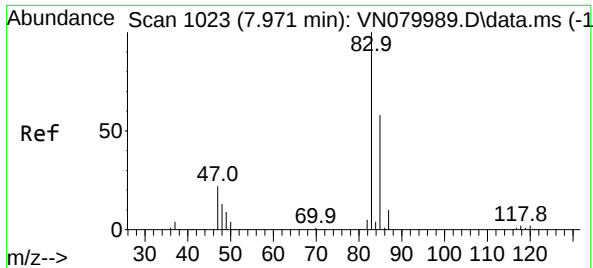
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#24
Methyl tert-Butyl Ether
Concen: 21.983 ug/l
RT: 5.788 min Scan# 652
Delta R.T. -0.012 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Tgt Ion: 73 Resp: 164288
Ion Ratio Lower Upper
73 100
43 11.4 16.6 24.8#





#25
Chloroform
Concen: 20.941 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

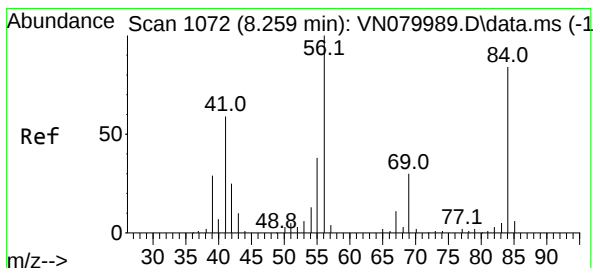
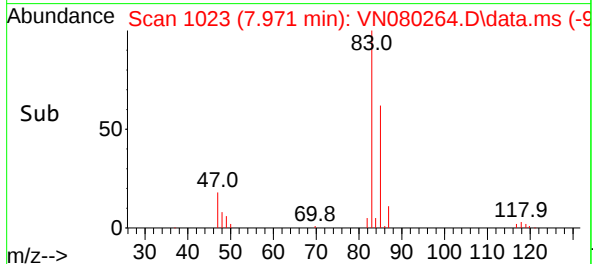
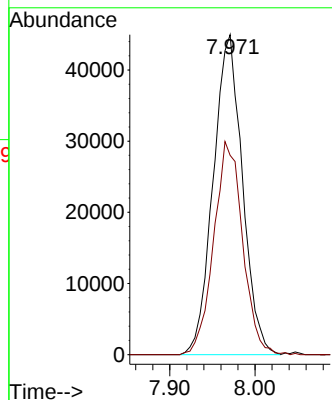
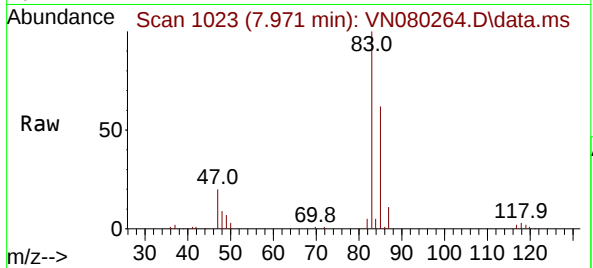
Tgt Ion: 83 Resp: 106939
Ion Ratio Lower Upper
83 100
85 62.3 47.4 71.2

Manual Integrations
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Reviewed By :John
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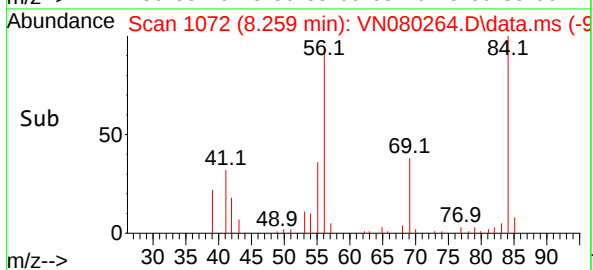
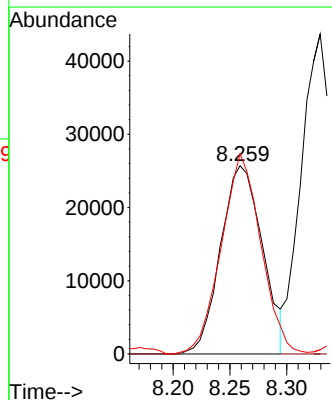
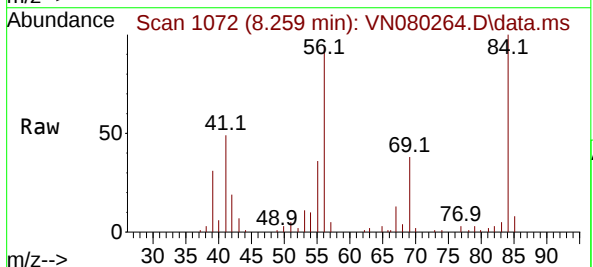
11/27/2023
Supervised By :Mahesh
Dadoda

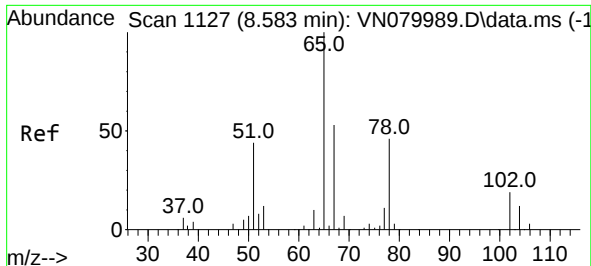
11/27/2023



#26
Cyclohexane
Concen: 16.931 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Tgt Ion: 56 Resp: 65893
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 100.7 69.0 103.4





#27

1,2-Dichloroethane-d4

Concen: 33.392 ug/l

RT: 8.576 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 65 Resp: 11050

Ion Ratio Lower Upper

65 100

67 48.4 42.1 63.1

Manual Integrations

APPROVED

Reviewed By :John

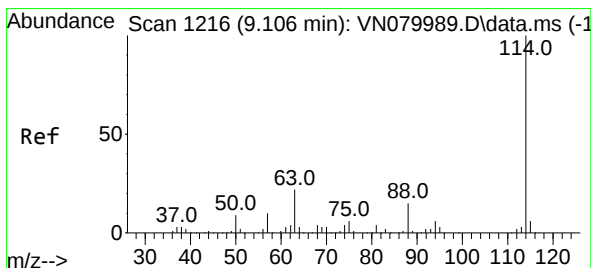
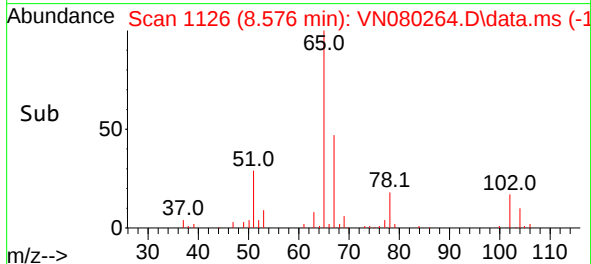
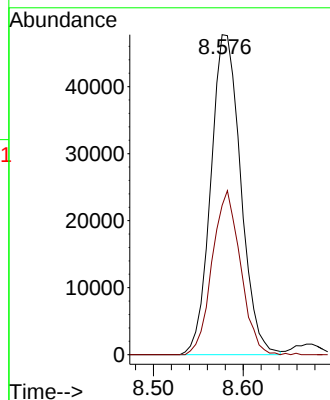
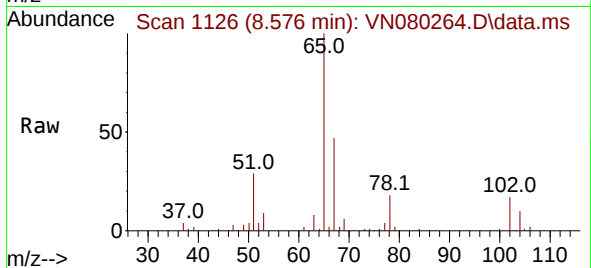
Carlone

11/27/2023

Supervised By :Mahesh

Dadoda

11/27/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

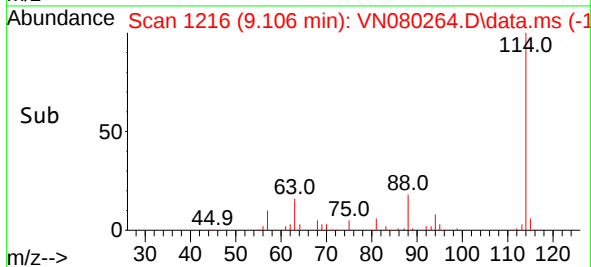
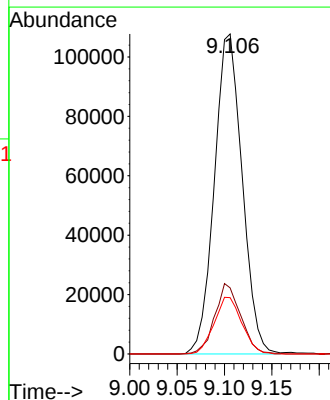
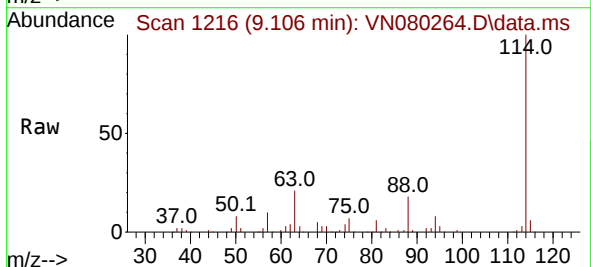
Tgt Ion:114 Resp: 219685

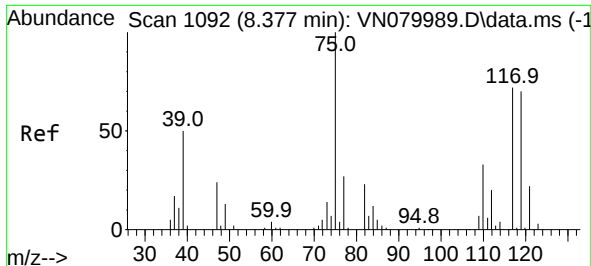
Ion Ratio Lower Upper

114 100

63 20.5 18.1 27.1

88 17.7 12.2 18.2





#29
1,1-Dichloropropene
Concen: 19.849 ug/l
RT: 8.371 min Scan# 1092
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 74838
Ion Ratio Lower Upper
75 100
110 20.9 0.0 66.8
77 30.6 0.0 61.2

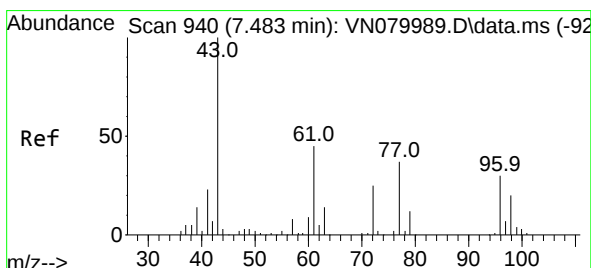
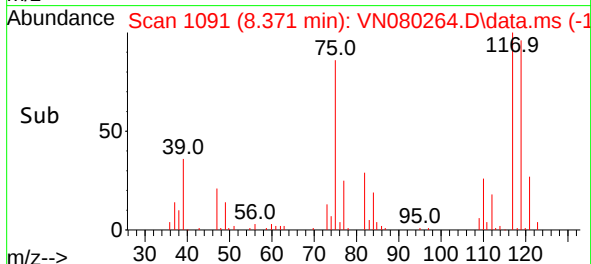
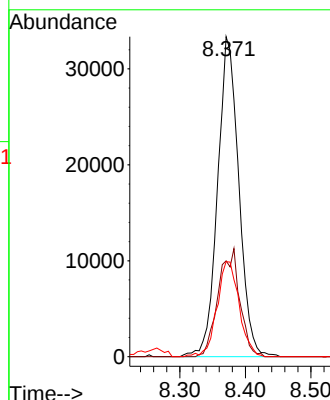
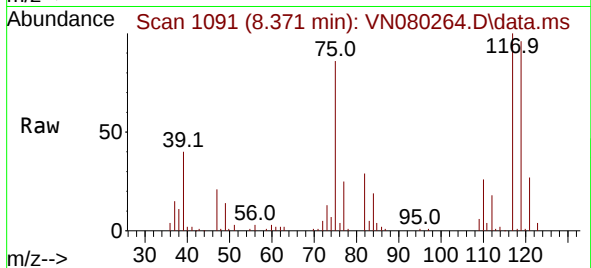
Manual Integrations
APPROVED

Reviewed By :John
Carlone

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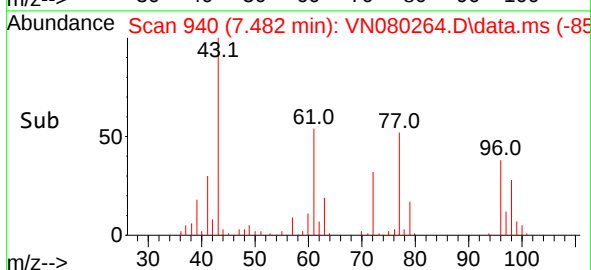
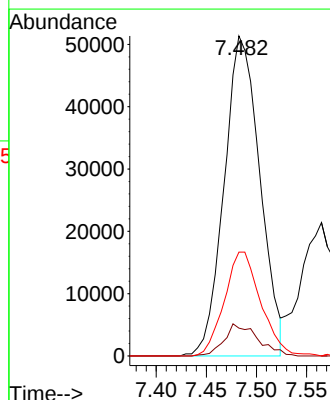
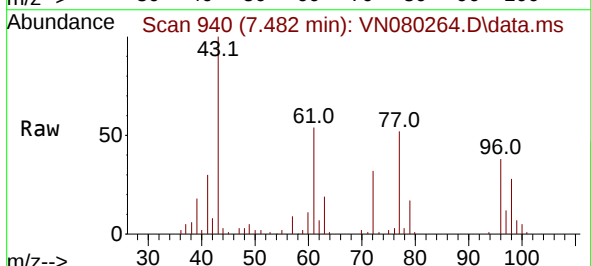
Supervised By :Mahesh
Dadoda

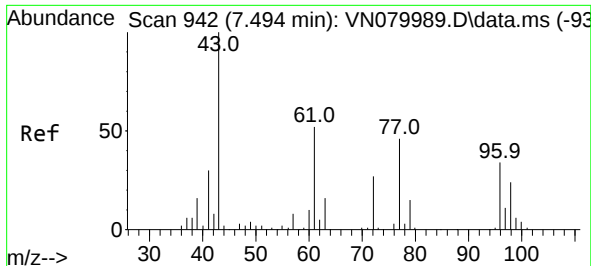
11/27/2023



#30
2-Butanone
Concen: 70.759 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

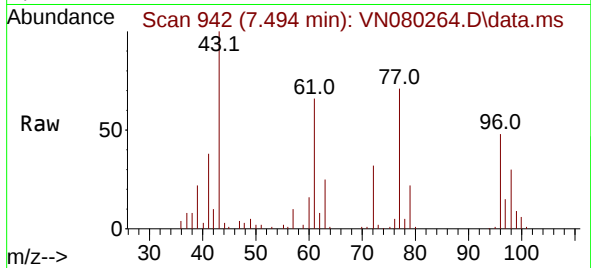
Tgt Ion: 43 Resp: 127411
Ion Ratio Lower Upper
43 100
57 5.8 6.4 9.6#
72 33.1 20.7 31.1#





#31
2,2-Dichloropropane
Concen: 21.600 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



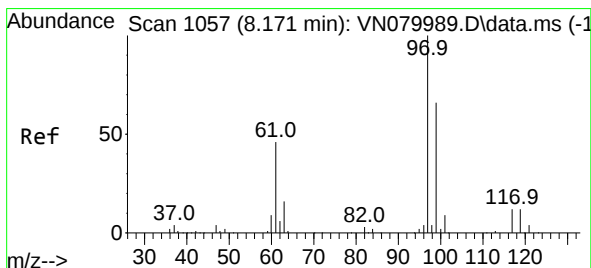
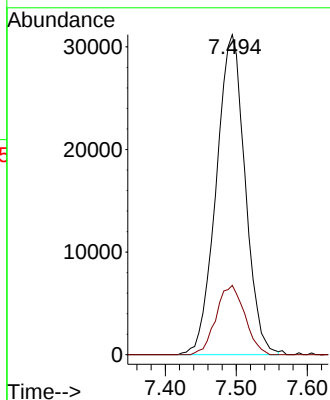
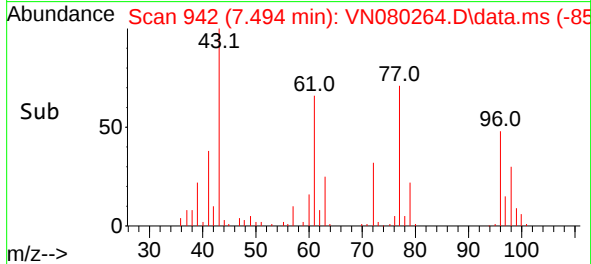
Tgt Ion: 77 Resp: 88024
Ion Ratio Lower Upper
77 100
97 21.5 17.9 26.9

Manual Integrations
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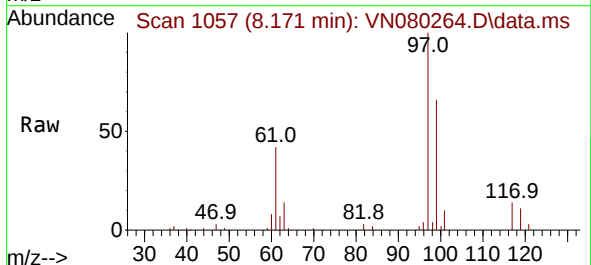
Reviewed By :John
Carlone

11/27/2023
Supervised By :Mahesh
Dadoda

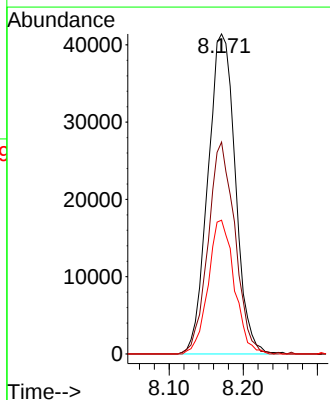
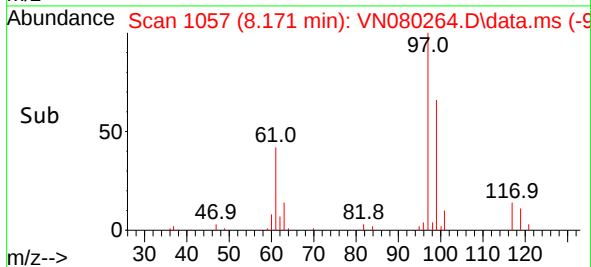
11/27/2023

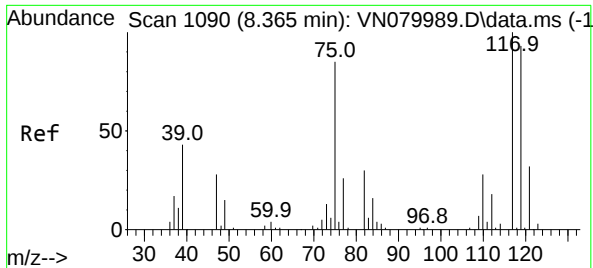


#32
1,1,1-Trichloroethane
Concen: 24.727 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17



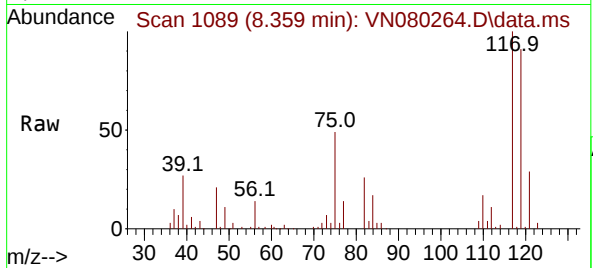
Tgt Ion: 97 Resp: 106430
Ion Ratio Lower Upper
97 100
99 64.6 51.9 77.9
61 39.9 37.6 56.4





#33
Carbon Tetrachloride
Concen: 27.054 ug/l
RT: 8.359 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



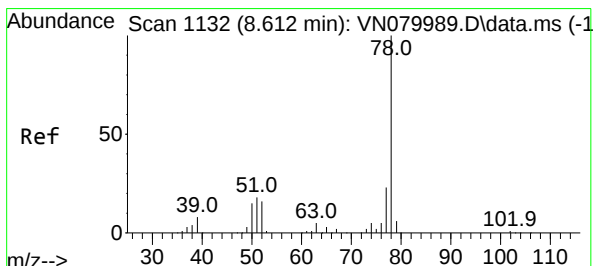
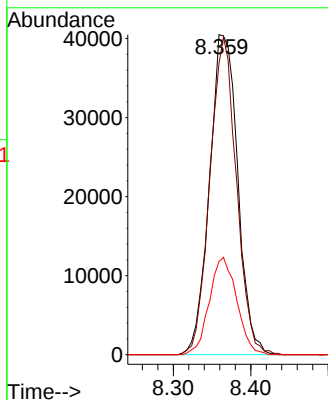
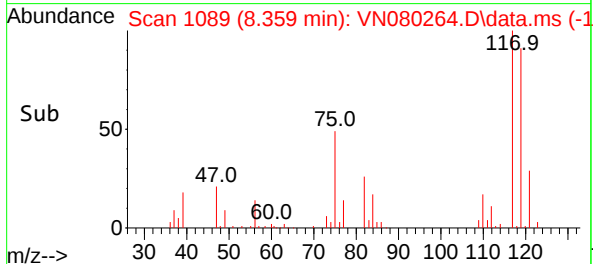
Tgt Ion:117 Resp: 10235
Ion Ratio Lower Upper
117 100
119 91.0 75.0 112.6
121 29.1 24.3 36.5

Manual Integrations
APPROVED

Reviewed By :John
Carlone

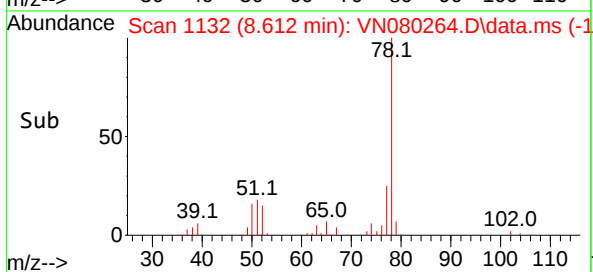
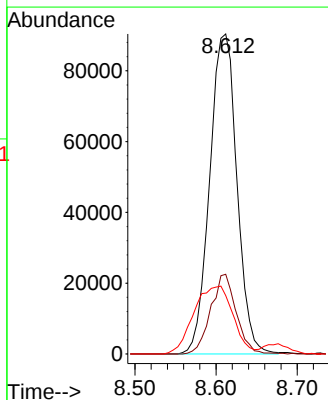
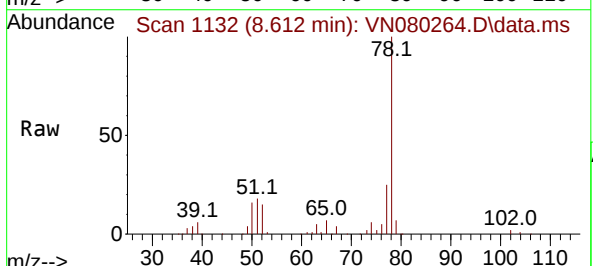
11/27/2023
Supervised By :Mahesh
Dadoda

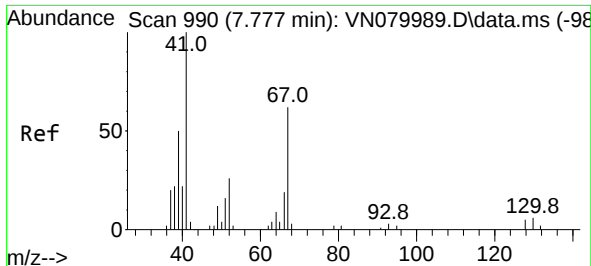
11/27/2023



#34
Benzene
Concen: 18.831 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Tgt Ion: 78 Resp: 210911
Ion Ratio Lower Upper
78 100
77 24.9 19.7 29.5
51 16.0 15.8 23.6





#35
Methacrylonitrile
Concen: 15.270 ug/l
RT: 7.788 min Scan# 990
Delta R.T. 0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 41 Resp: 28828
Ion Ratio Lower Upper
41 100
39 49.6 26.3 78.8
67 82.2 37.5 112.3
52 42.8 14.4 43.4

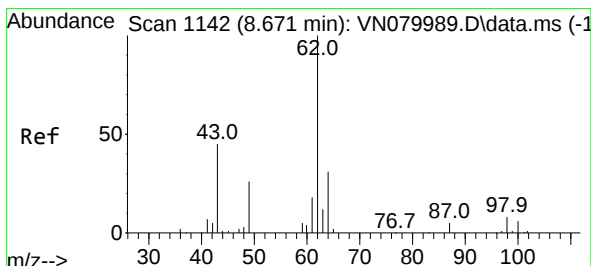
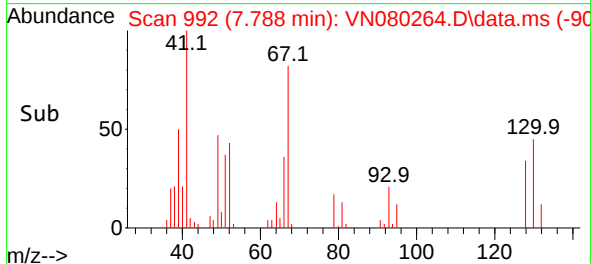
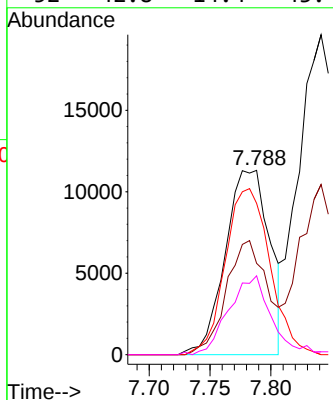
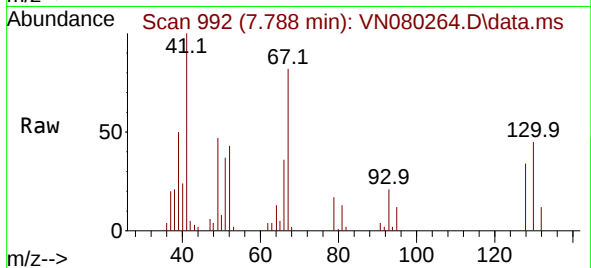
Manual Integrations
APPROVED

Reviewed By :John
Carlone

11/27/2023

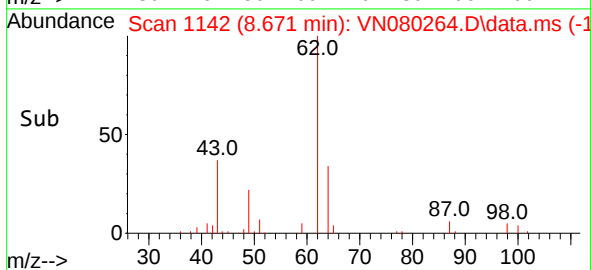
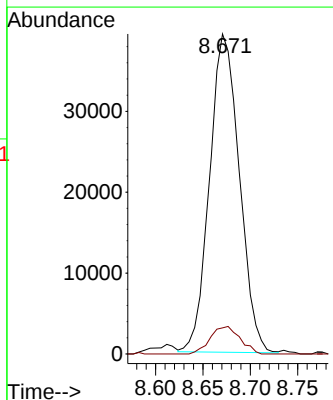
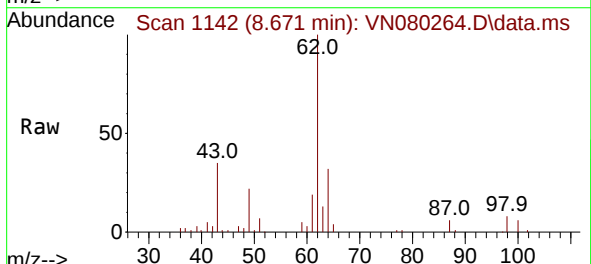
Supervised By :Mahesh
Dadoda

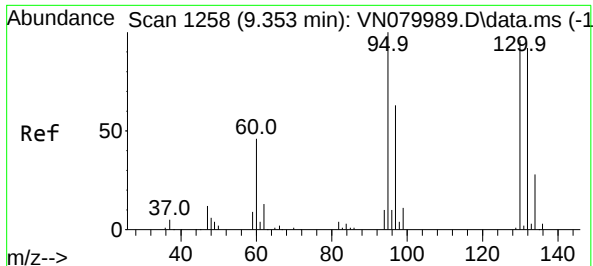
11/27/2023



#36
1,2-Dichloroethane
Concen: 21.233 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Tgt Ion: 62 Resp: 86066
Ion Ratio Lower Upper
62 100
98 8.7 7.2 10.8





#37

Trichloroethene

Concen: 20.865 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.006 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:130 Resp: 56200

Ion Ratio Lower Upper

130 100

95 107.6 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :John

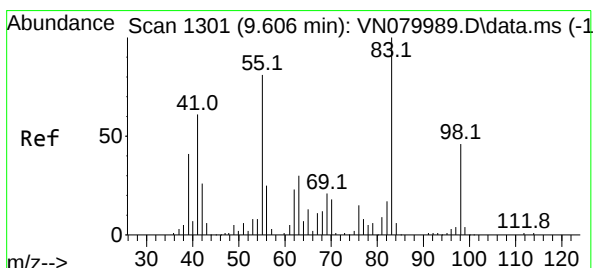
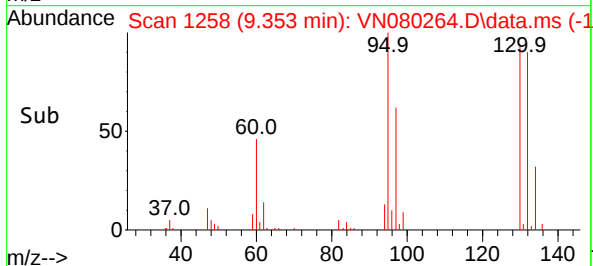
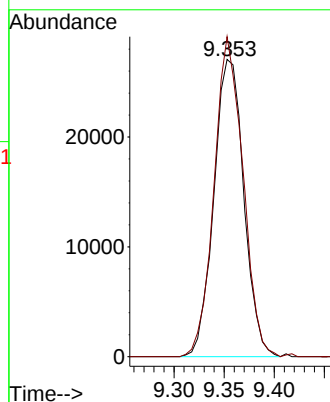
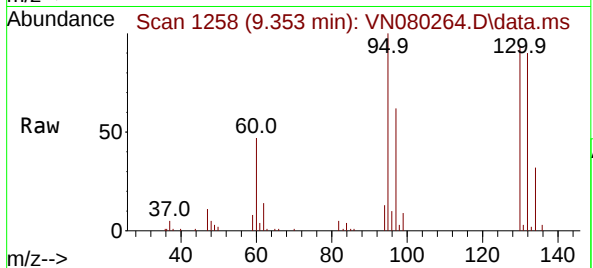
Carlone

11/27/2023

Supervised By :Mahesh

Dadoda

11/27/2023



#38

Methylcyclohexane

Concen: 19.232 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

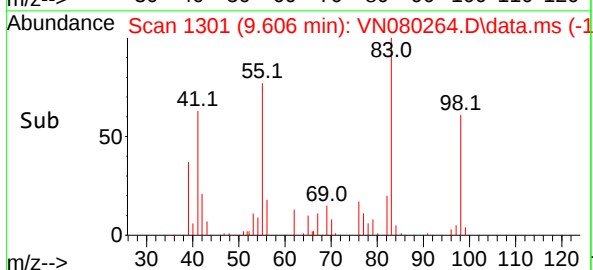
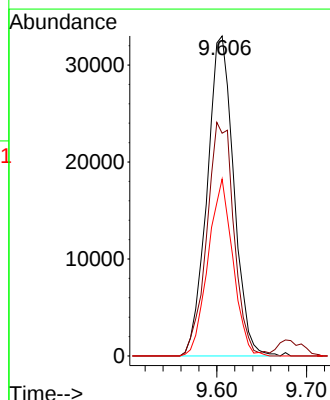
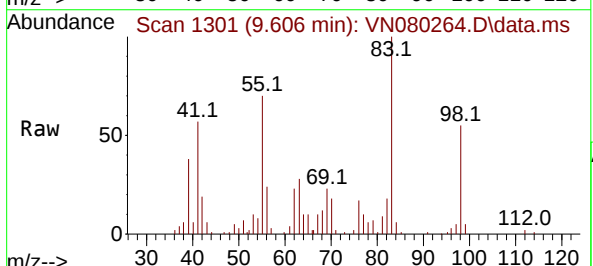
Tgt Ion: 83 Resp: 68086

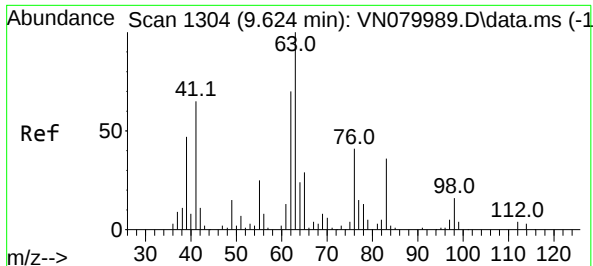
Ion Ratio Lower Upper

83 100

55 74.0 39.7 119.1

98 51.5 24.4 73.2





#39

1,2-Dichloropropane

Concen: 16.769 ug/l

RT: 9.623 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDC020EC

Tgt Ion: 63 Resp: 4971

Ion Ratio Lower Upper

63 100

65 28.9 25.3 37.9

Manual Integrations

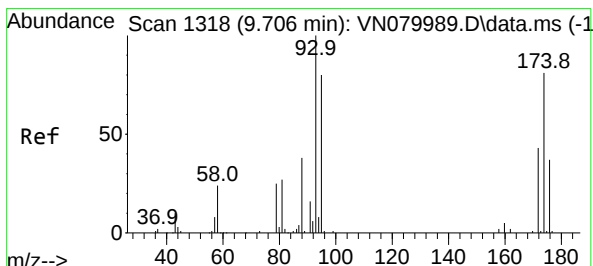
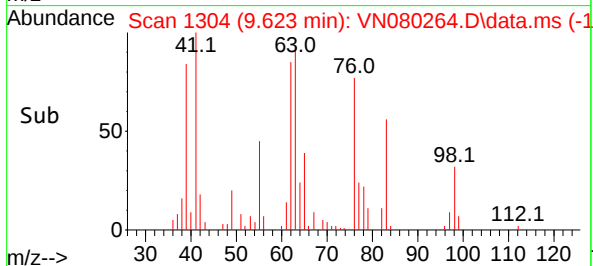
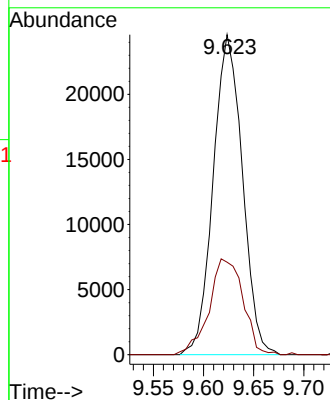
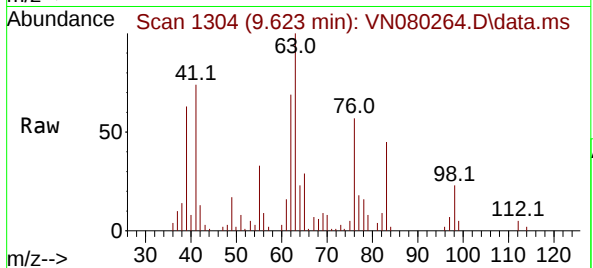
APPROVED

Reviewed By :John
Carlone

11/27/2023

Supervised By :Mahesh
Dadoda

11/27/2023



#40

Dibromomethane

Concen: 20.681 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

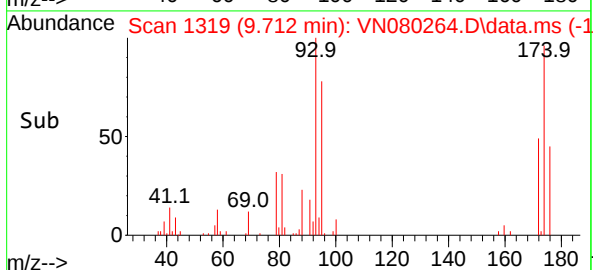
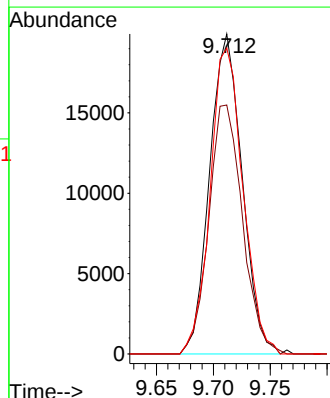
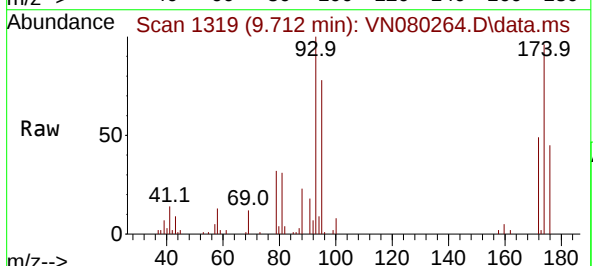
Tgt Ion: 93 Resp: 39629

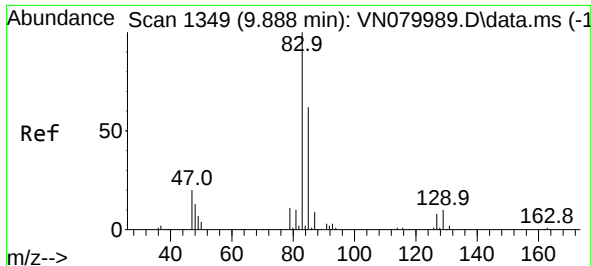
Ion Ratio Lower Upper

93 100

95 80.6 0.0 166.6

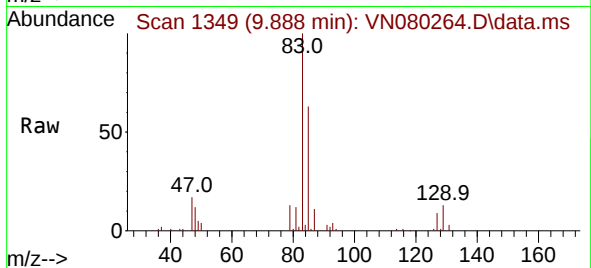
174 96.6 0.0 171.0





#41
Bromodichloromethane
Concen: 21.278 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



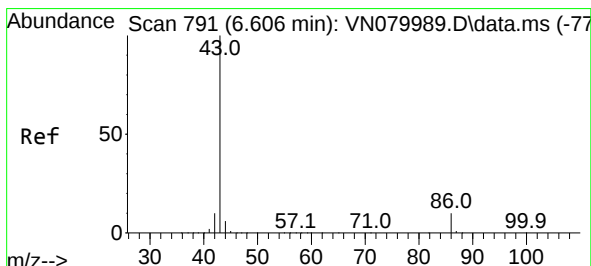
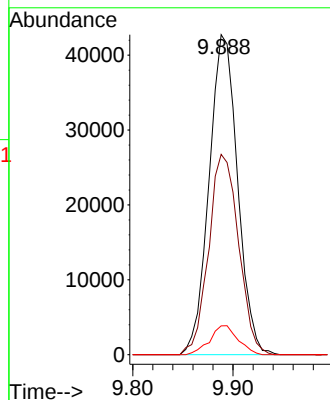
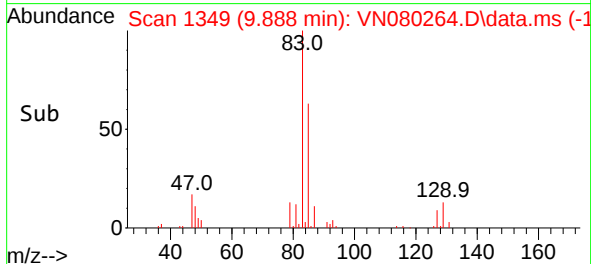
Tgt Ion: 83 Resp: 8444
Ion Ratio Lower Upper
83 100
85 62.6 50.3 75.5
127 9.0 6.8 10.2

Manual Integrations
APPROVED

Reviewed By :John
Carlone

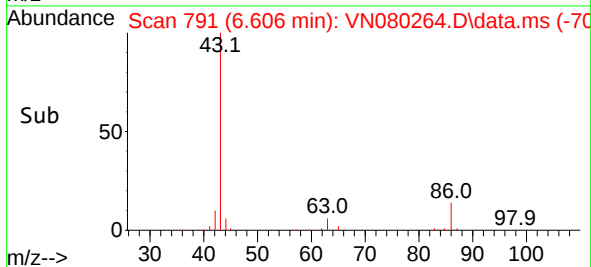
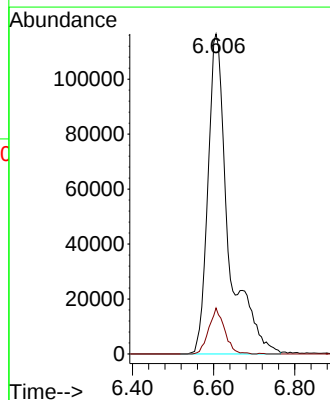
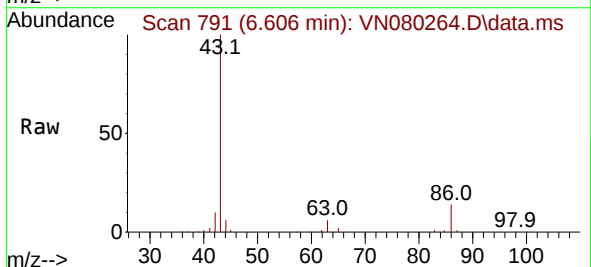
11/27/2023
Supervised By :Mahesh
Dadoda

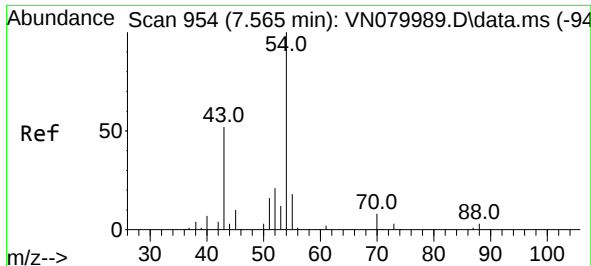
11/27/2023



#42
Vinyl Acetate
Concen: 91.526 ug/l m
RT: 6.606 min Scan# 791
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Tgt Ion: 43 Resp: 409359
Ion Ratio Lower Upper
43 100
86 10.9 8.2 12.2





#43

Ethyl Acetate

Concen: 16.005 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 5413

Ion Ratio Lower Upper

43 100

45 14.4 11.8 17.8

Manual Integrations

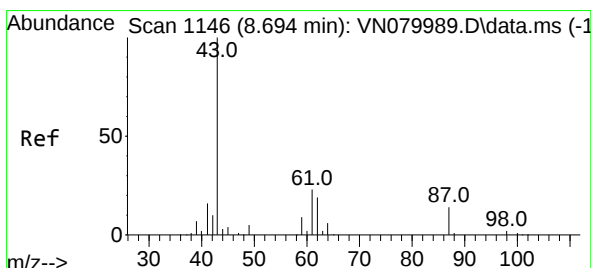
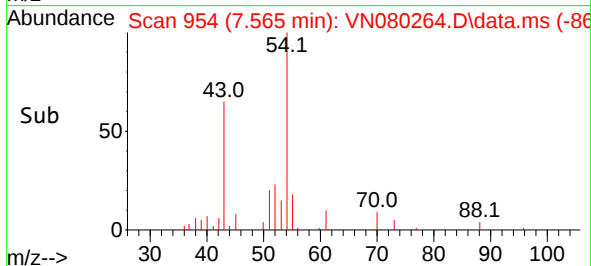
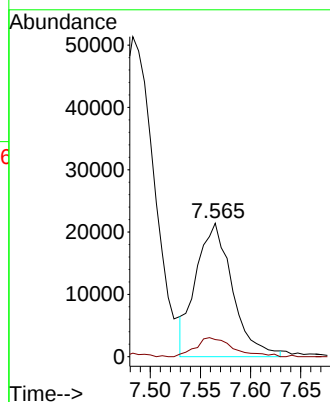
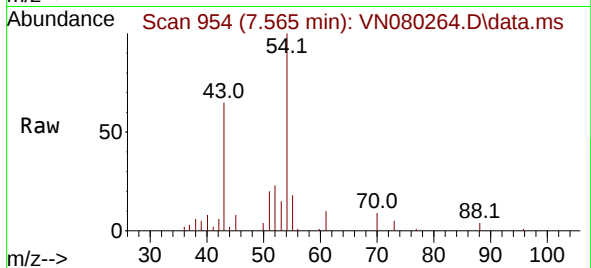
APPROVED

Reviewed By :John
Carlone

11/27/2023

Supervised By :Mahesh
Dadoda

11/27/2023



#44

Isopropyl Acetate

Concen: 16.377 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN080264.D

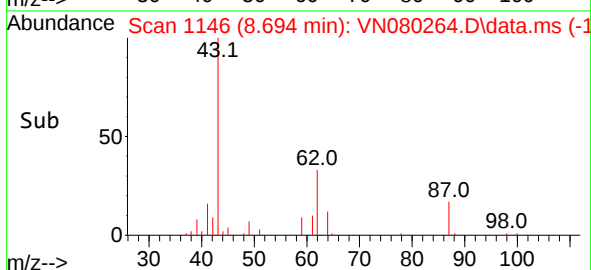
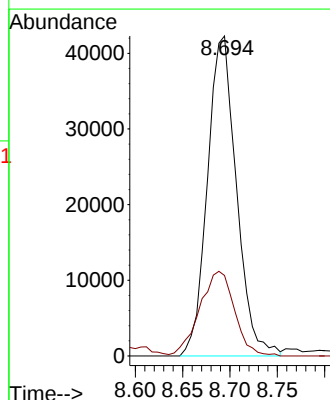
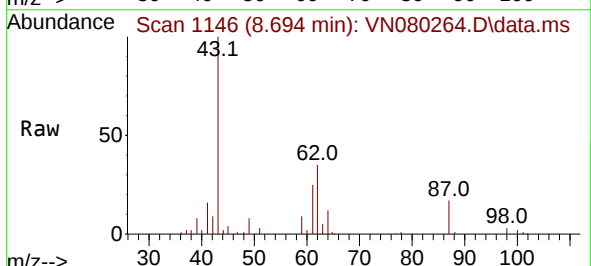
Acq: 24 Nov 2023 16:17

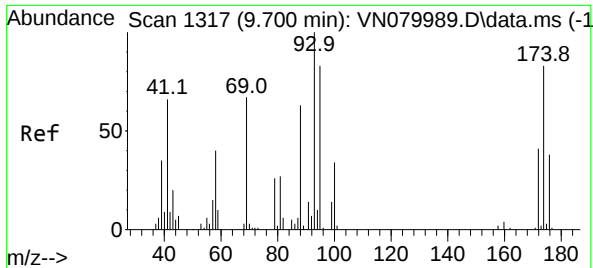
Tgt Ion: 43 Resp: 90264

Ion Ratio Lower Upper

43 100

61 31.7 20.3 30.5#





#45

1,4-Dioxane

Concen: 409.181 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. -0.006 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 88 Resp: 17380

Ion Ratio Lower Upper

88 100

43 34.5 28.7 43.1

58 64.6 56.9 85.3

Manual Integrations

APPROVED

Reviewed By :John

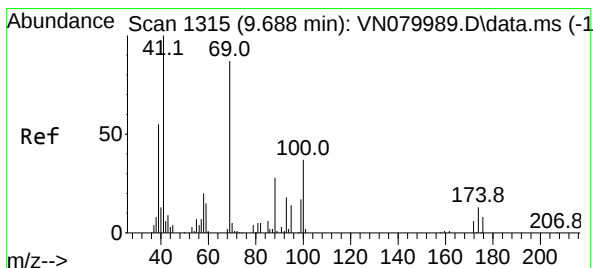
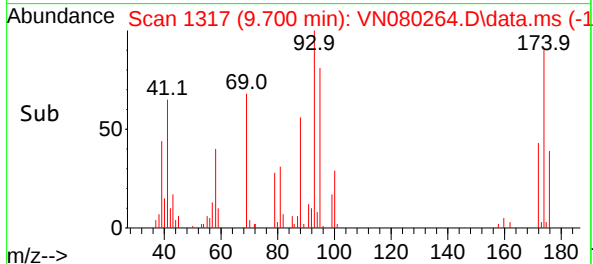
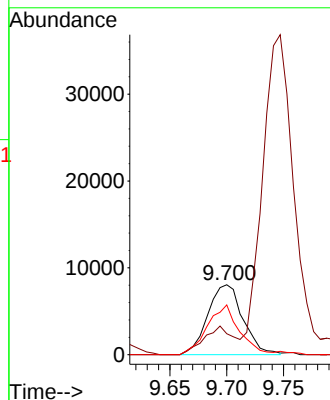
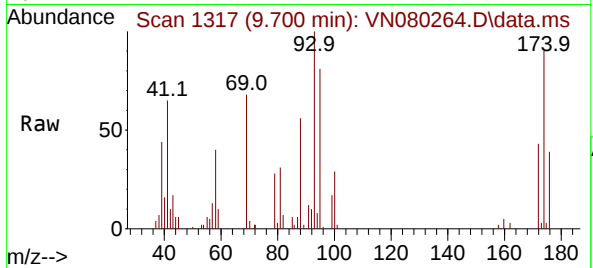
Carlone

11/27/2023

Supervised By :Mahesh

Dadoda

11/27/2023



#46

Methyl methacrylate

Concen: 15.538 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.006 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

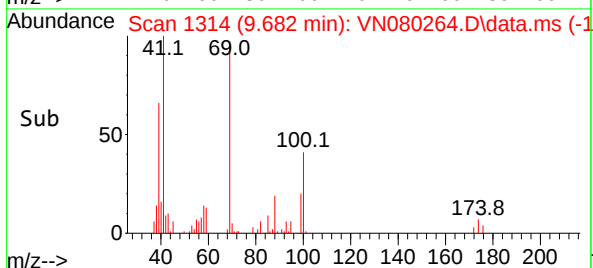
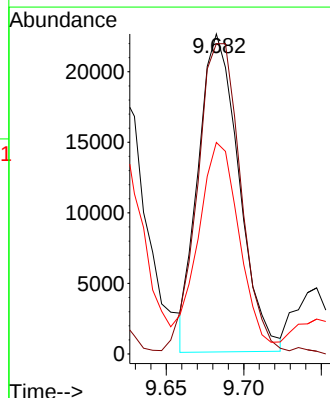
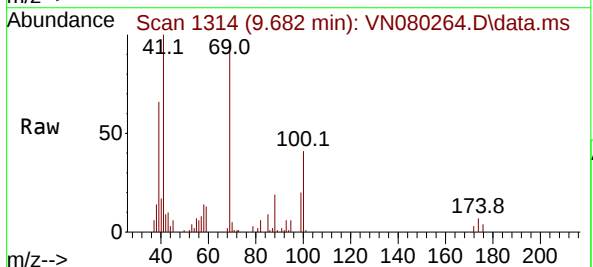
Tgt Ion: 41 Resp: 41167

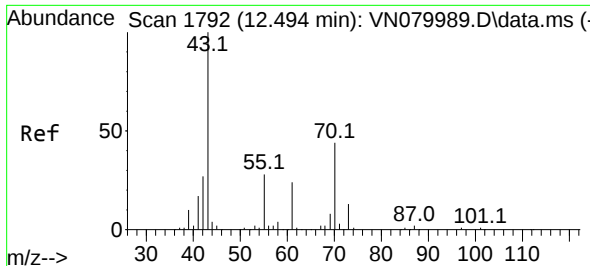
Ion Ratio Lower Upper

41 100

69 100.0 40.0 119.9

39 65.5 31.1 93.3





#47

n-amyl acetate

Concen: 15.792 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.006 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 6991

Ion Ratio Lower Upper

43 100

55 29.7 20.7 31.1

Manual Integrations

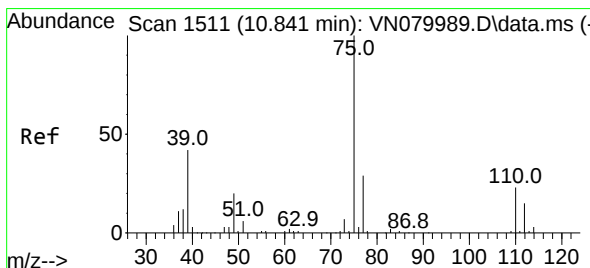
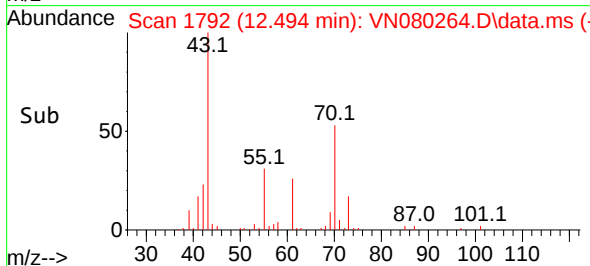
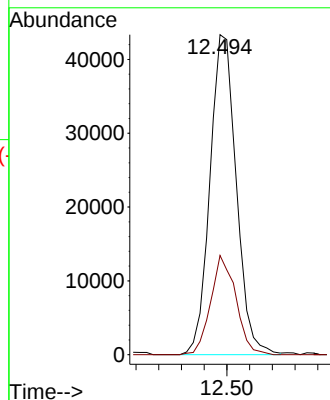
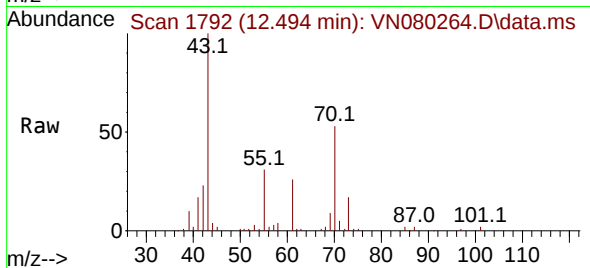
APPROVED

Reviewed By :John
Carlone

11/27/2023

Supervised By :Mahesh
Dadoda

11/27/2023



#48

t-1,3-Dichloropropene

Concen: 20.767 ug/l

RT: 10.841 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VN080264.D

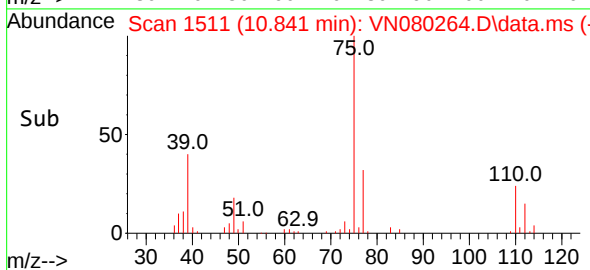
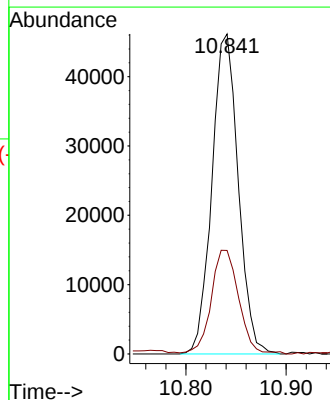
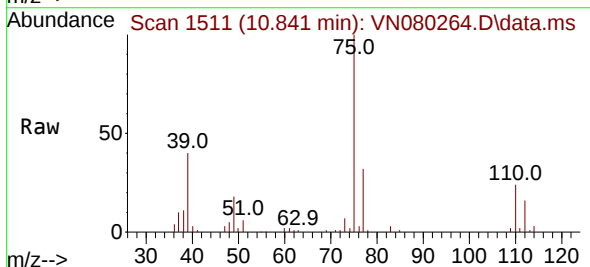
Acq: 24 Nov 2023 16:17

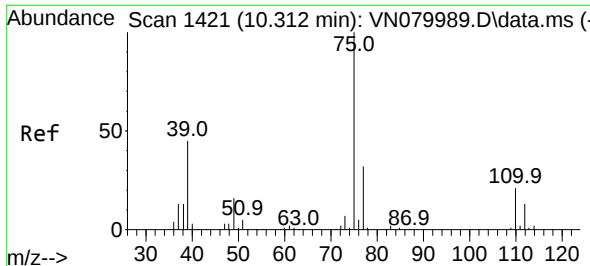
Tgt Ion: 75 Resp: 84173

Ion Ratio Lower Upper

75 100

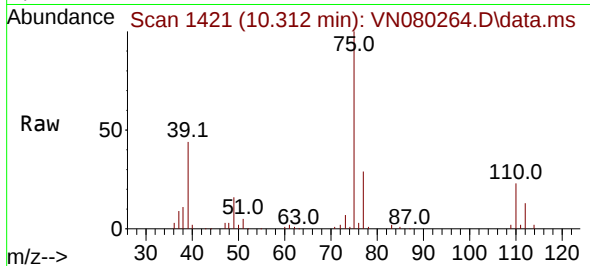
77 32.0 25.6 38.4





#49
 cis-1,3-Dichloropropene
 Concen: 19.835 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.006 min
 Lab File: VN080264.D
 Acq: 24 Nov 2023 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



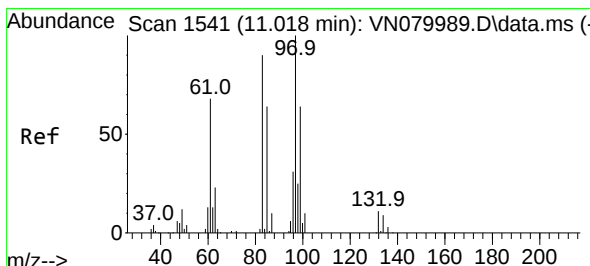
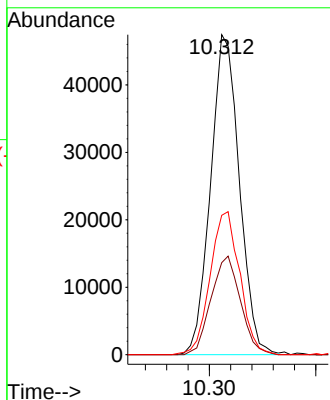
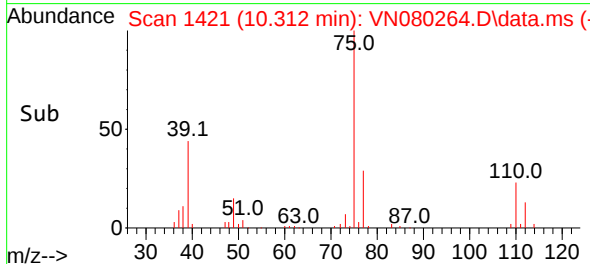
Tgt Ion: 75 Resp: 88870
 Ion Ratio Lower Upper
 75 100
 77 28.7 25.8 38.6
 39 43.6 42.4 63.6

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

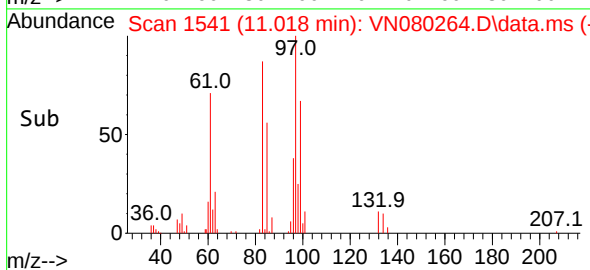
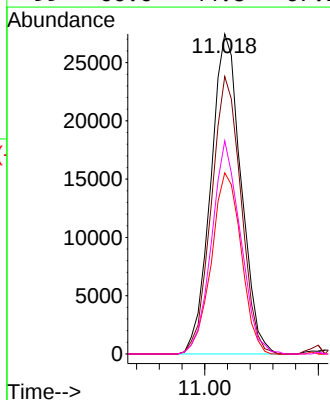
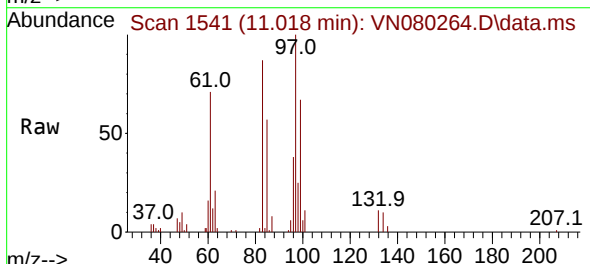
11/27/2023
 Supervised By :Mahesh
 Dadoda

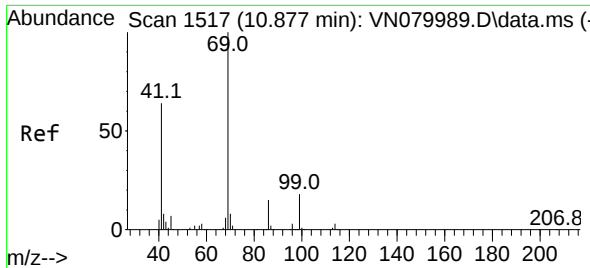
11/27/2023



#50
 1,1,2-Trichloroethane
 Concen: 19.398 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. -0.001 min
 Lab File: VN080264.D
 Acq: 24 Nov 2023 16:17

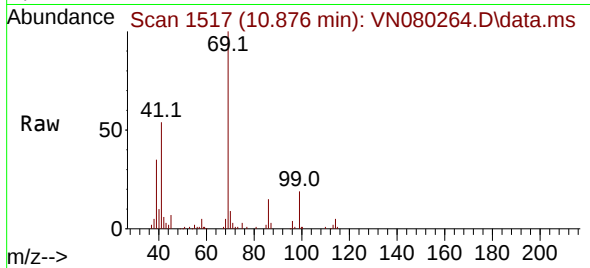
Tgt Ion: 97 Resp: 50706
 Ion Ratio Lower Upper
 97 100
 83 86.7 68.2 102.4
 85 56.6 42.9 64.3
 99 66.6 44.8 67.2





#51
Ethyl methacrylate
Concen: 19.365 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



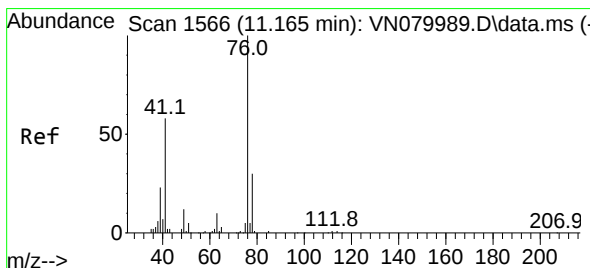
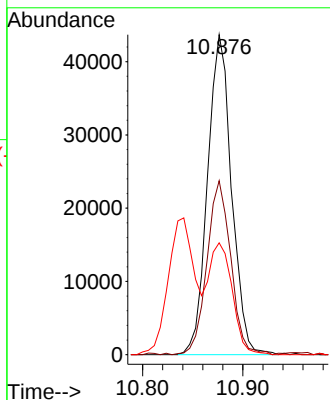
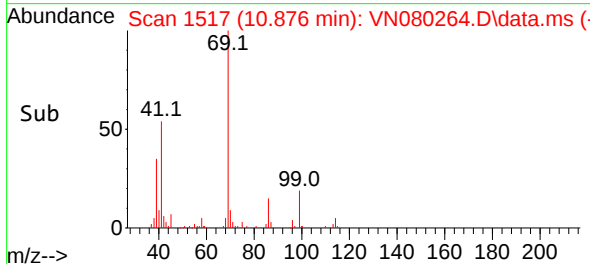
Tgt Ion: 69 Resp: 72750
Ion Ratio Lower Upper
69 100
41 54.0 33.8 101.3
39 35.0 21.3 63.9

Manual Integrations
APPROVED

Reviewed By :John
Carlone

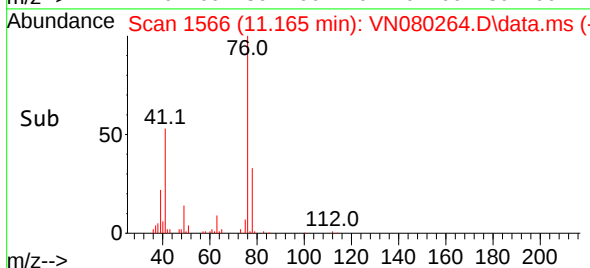
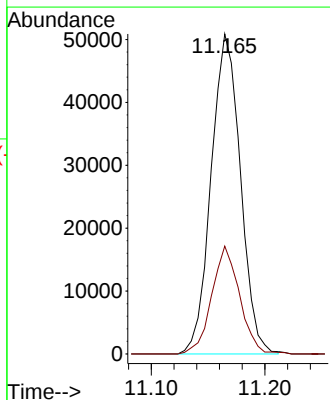
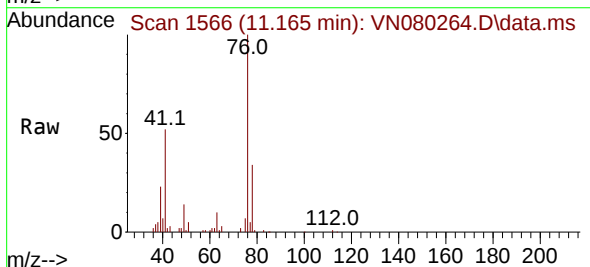
11/27/2023
Supervised By :Mahesh
Dadoda

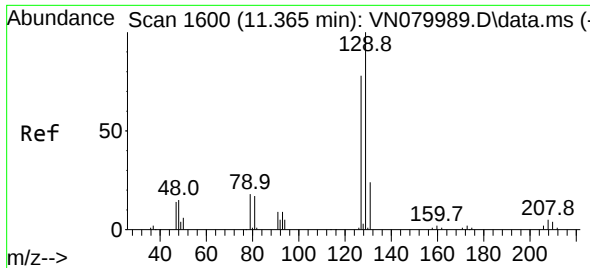
11/27/2023



#52
1,3-Dichloropropane
Concen: 19.515 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

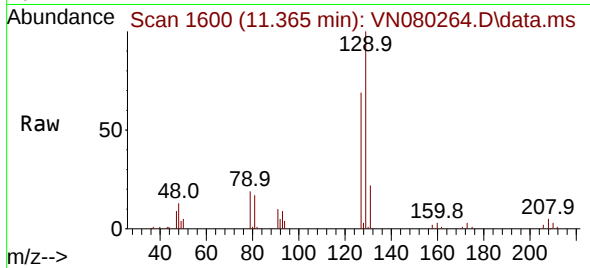
Tgt Ion: 76 Resp: 91198
Ion Ratio Lower Upper
76 100
78 31.9 0.0 64.0





#53
Dibromochloromethane
Concen: 23.518 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



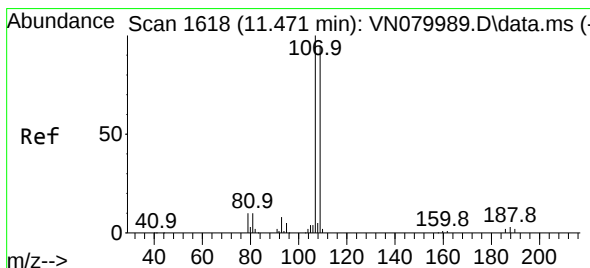
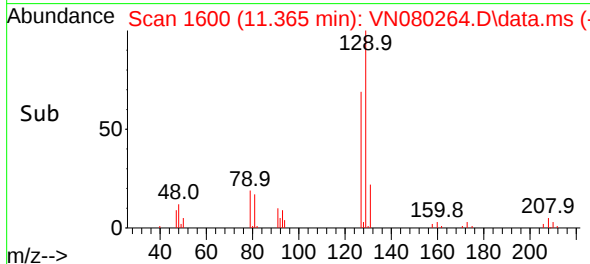
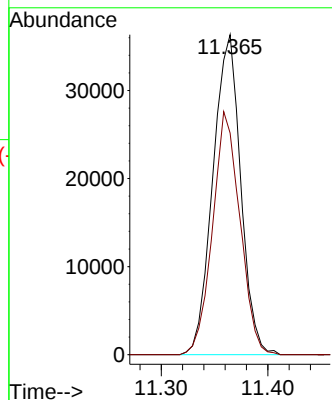
Tgt Ion:129 Resp: 65760
Ion Ratio Lower Upper
129 100
127 75.0 38.8 116.3

Manual Integrations
APPROVED

Reviewed By :John
Carlone

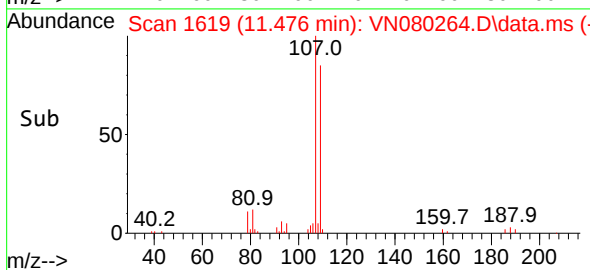
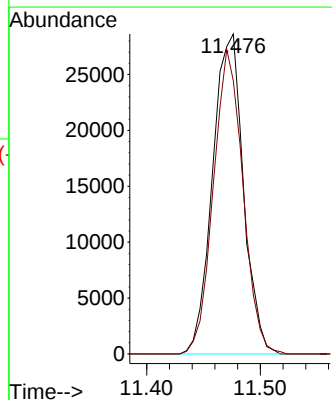
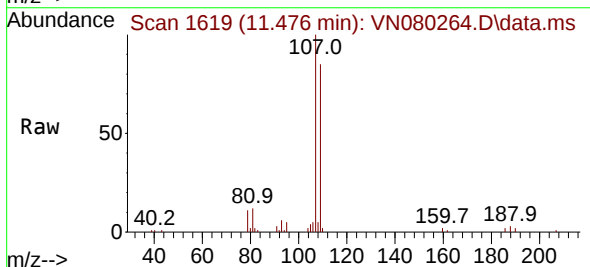
11/27/2023
Supervised By :Mahesh
Dadoda

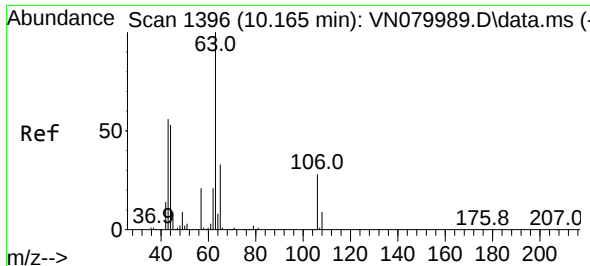
11/27/2023



#54
1,2-Dibromoethane
Concen: 20.561 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

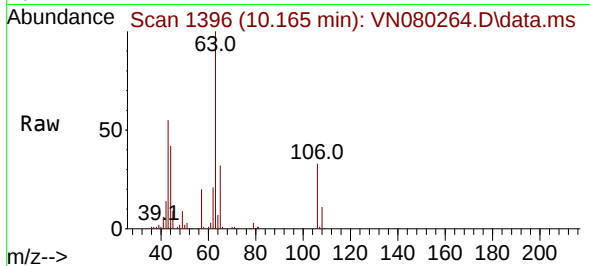
Tgt Ion:107 Resp: 53969
Ion Ratio Lower Upper
107 100
109 90.9 73.2 109.8





#55
2-Chloroethyl vinyl ether
Concen: 74.444 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



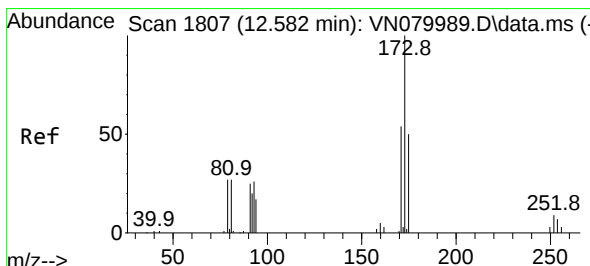
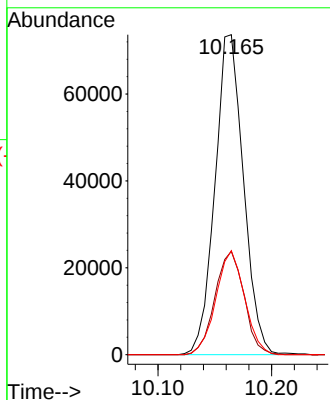
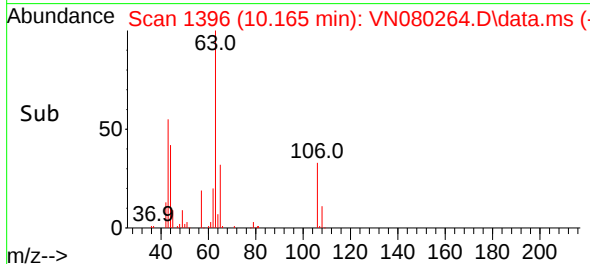
Tgt Ion: 63 Resp: 128640
Ion Ratio Lower Upper
63 100
65 32.9 25.9 38.9
106 32.6 20.6 30.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

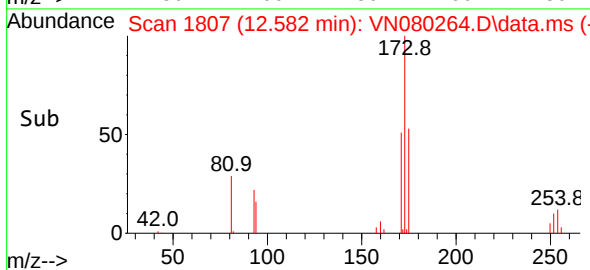
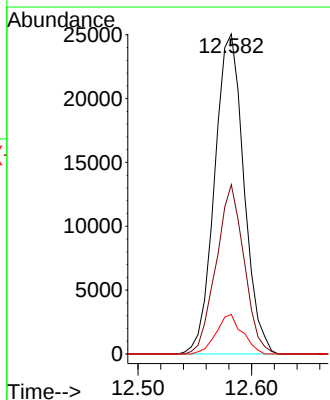
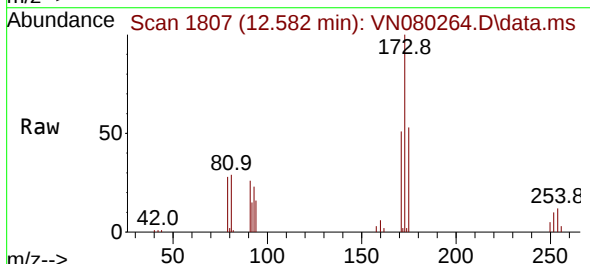
11/27/2023
Supervised By :Mahesh
Dadoda

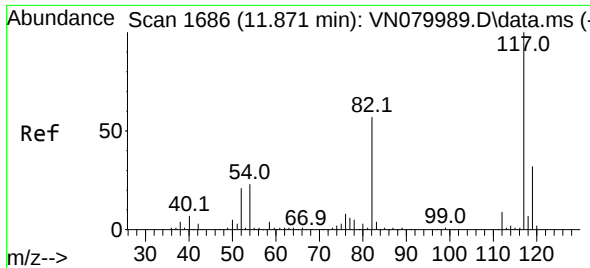
11/27/2023



#56
Bromoform
Concen: 24.519 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

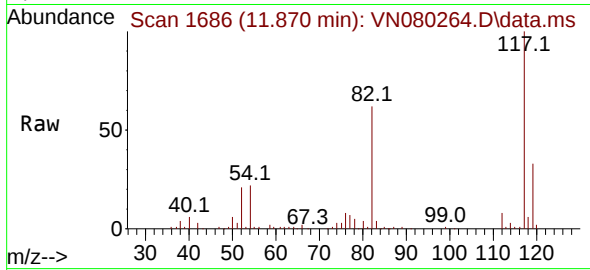
Tgt Ion:173 Resp: 44929
Ion Ratio Lower Upper
173 100
175 50.4 37.9 56.9
254 11.1 7.3 10.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



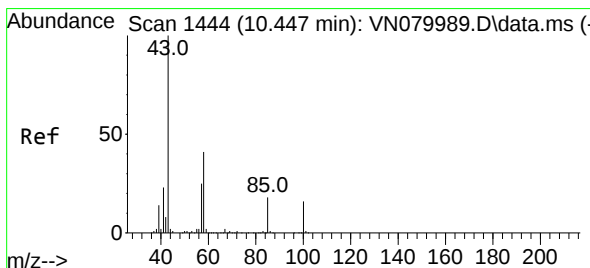
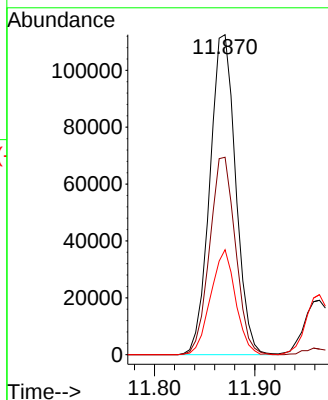
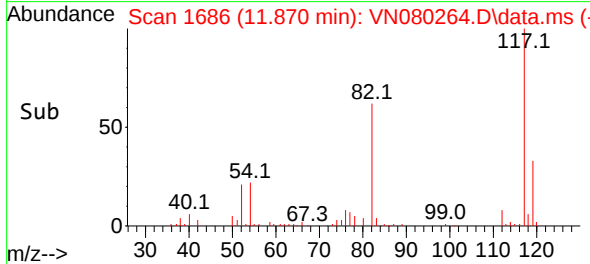
Tgt Ion:117 Resp: 201658
Ion Ratio Lower Upper
117 100
82 61.7 46.2 69.2
119 31.6 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

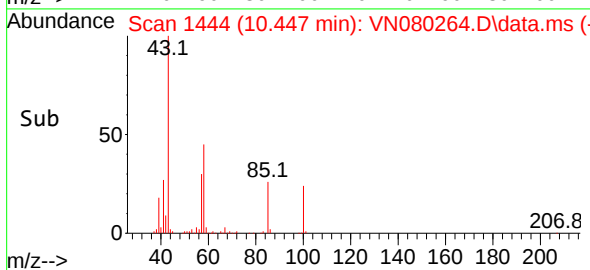
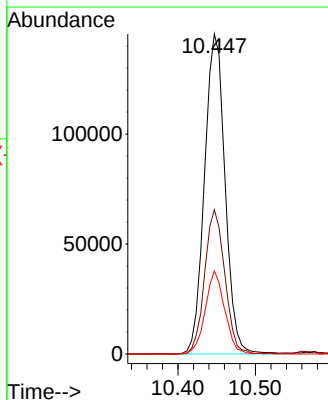
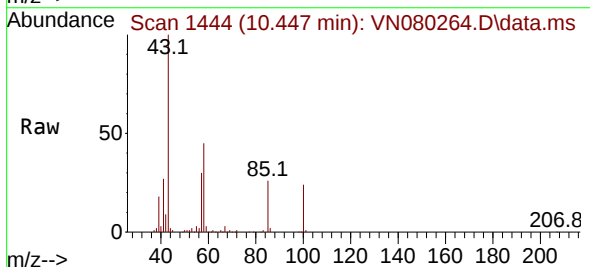
11/27/2023
Supervised By :Mahesh
Dadoda

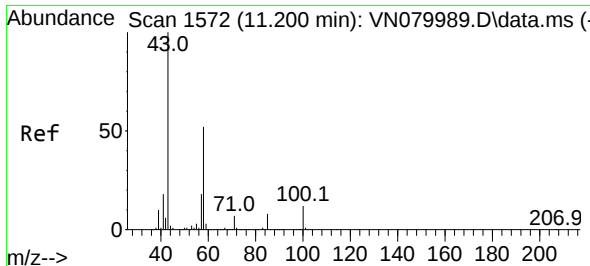
11/27/2023



#58
4-Methyl-2-Pentanone
Concen: 79.654 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

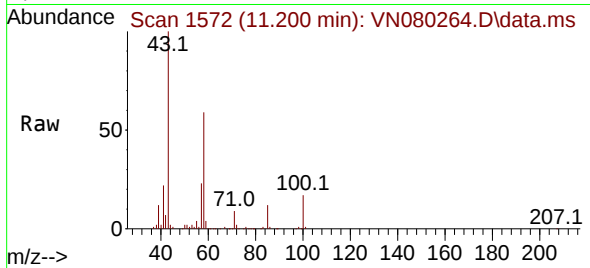
Tgt Ion: 43 Resp: 268354
Ion Ratio Lower Upper
43 100
58 44.1 30.4 45.6
85 24.5 13.2 19.8#





#59
2-Hexanone
Concen: 76.662 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



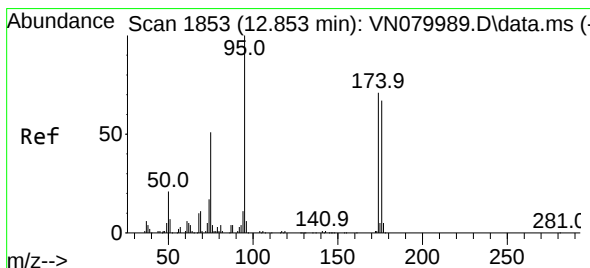
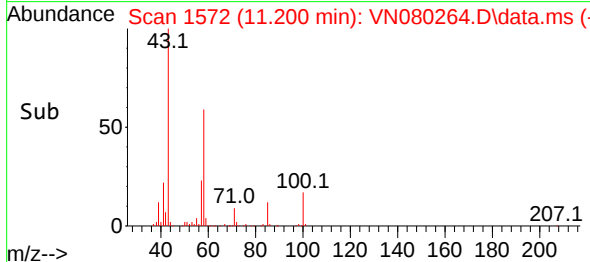
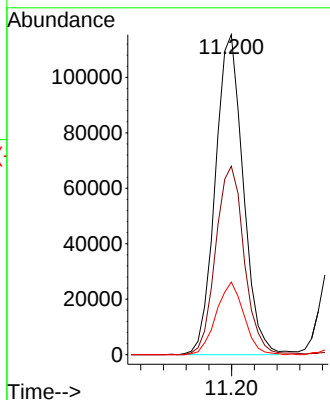
Tgt Ion: 43 Resp: 196740
Ion Ratio Lower Upper
43 100
58 60.3 42.3 63.5
57 22.5 13.9 20.9

Manual Integrations
APPROVED

Reviewed By :John
Carlone

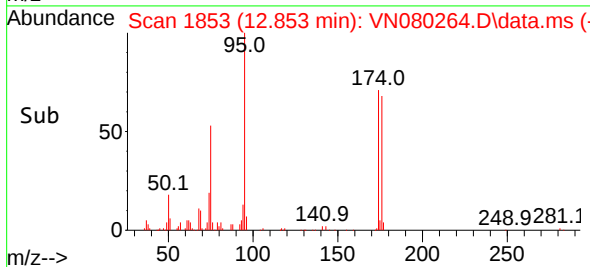
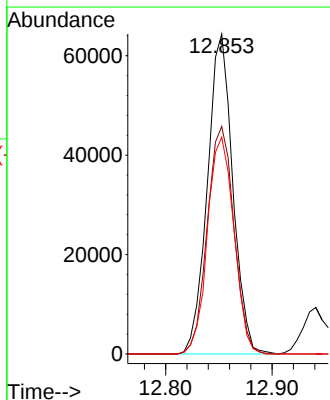
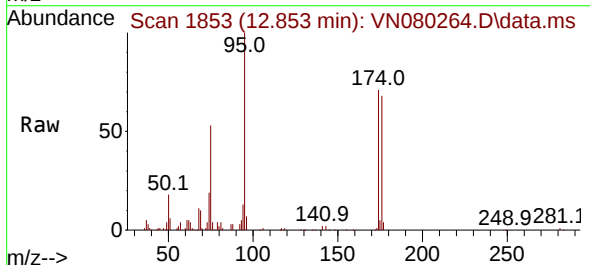
11/27/2023
Supervised By :Mahesh
Dadoda

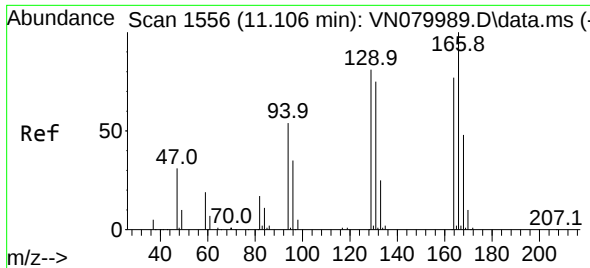
11/27/2023



#60
4-Bromofluorobenzene
Concen: 33.025 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

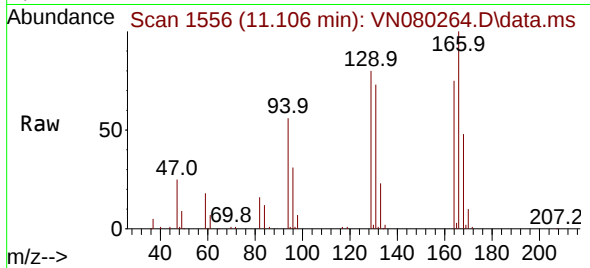
Tgt Ion: 95 Resp: 106500
Ion Ratio Lower Upper
95 100
174 74.8 60.5 90.7
176 70.7 57.2 85.8





#61
Tetrachloroethene
Concen: 24.165 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



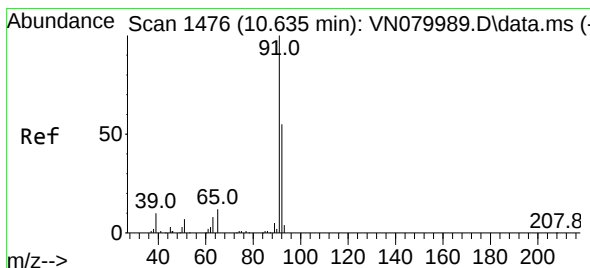
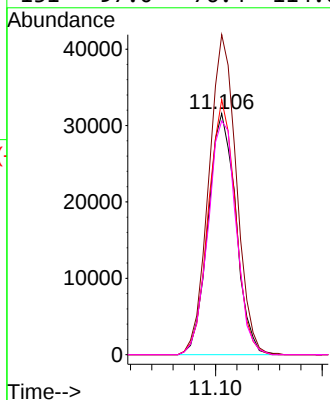
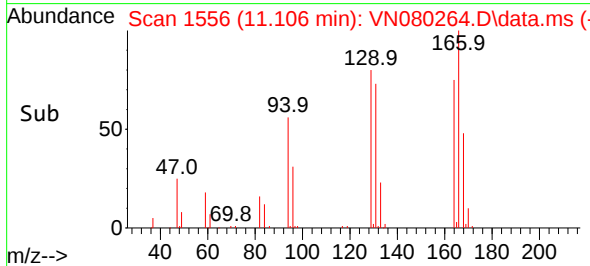
Tgt Ion:164 Resp: 5713
Ion Ratio Lower Upper
164 100
166 132.8 98.2 147.4
129 105.8 75.0 112.4
131 97.0 76.4 114.6

Manual Integrations
APPROVED

Reviewed By :John
Carlone

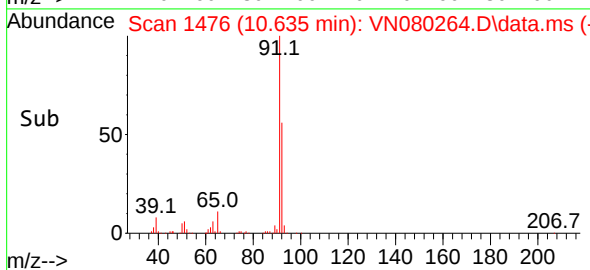
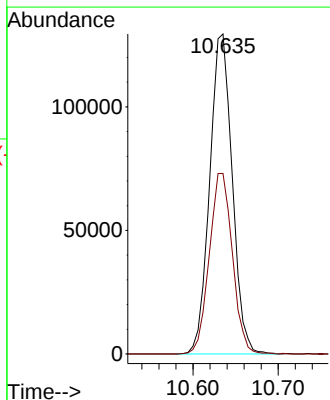
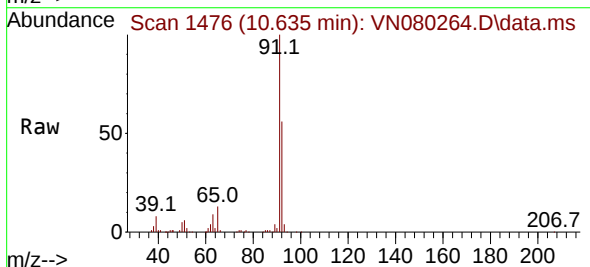
11/27/2023
Supervised By :Mahesh
Dadoda

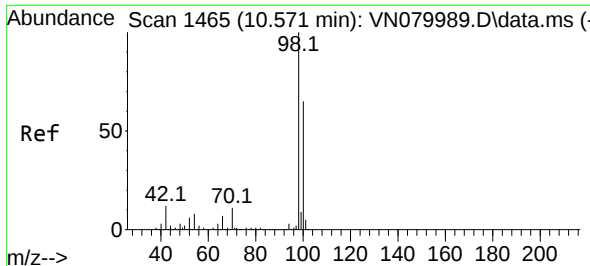
11/27/2023



#62
Toluene
Concen: 20.435 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

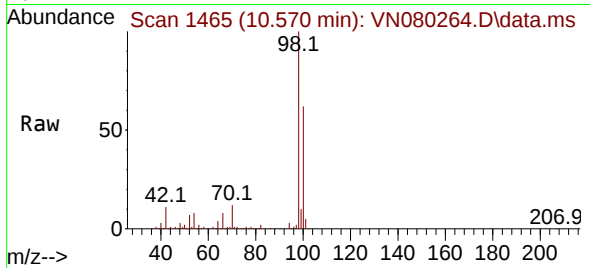
Tgt Ion: 91 Resp: 238340
Ion Ratio Lower Upper
91 100
92 57.8 45.3 67.9





#63
Toluene-d8
Concen: 30.410 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



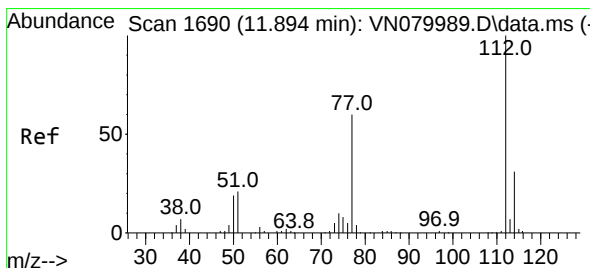
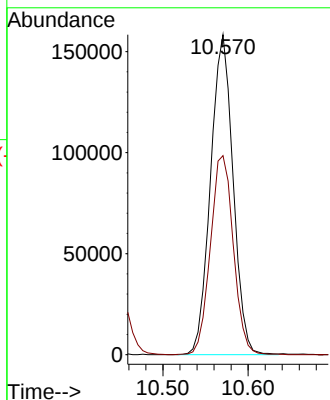
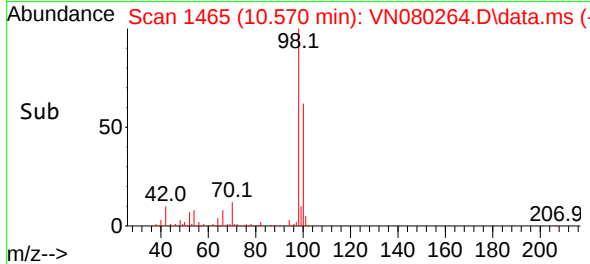
Tgt Ion: 98 Resp: 290564
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

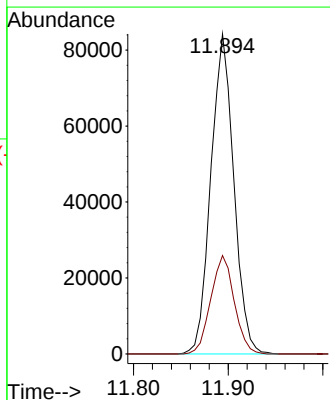
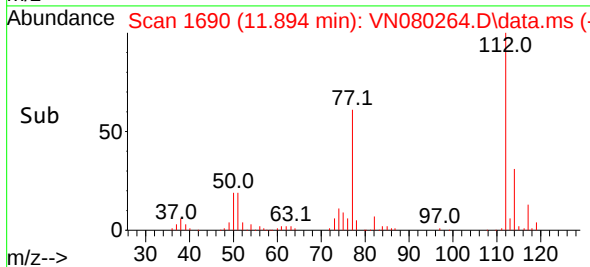
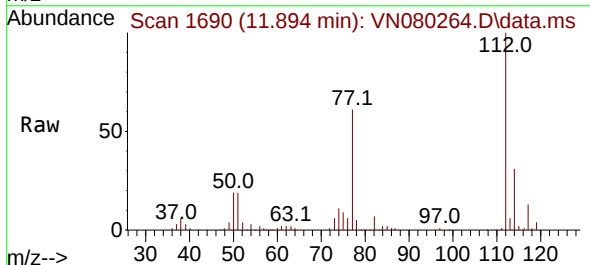
11/27/2023
Supervised By :Mahesh
Dadoda

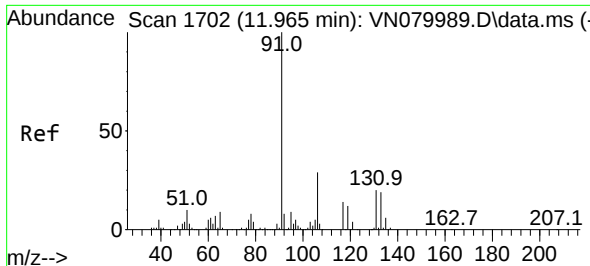
11/27/2023



#64
Chlorobenzene
Concen: 20.357 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

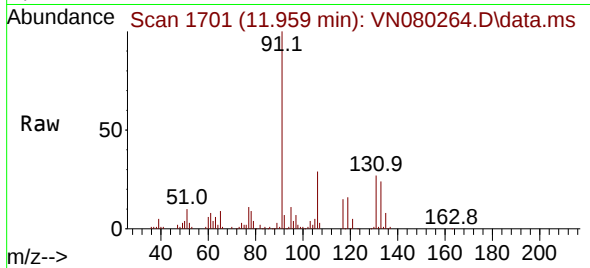
Tgt Ion:112 Resp: 141692
Ion Ratio Lower Upper
112 100
114 30.8 28.1 42.1





#65
1,1,1,2-Tetrachloroethane
Concen: 23.144 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



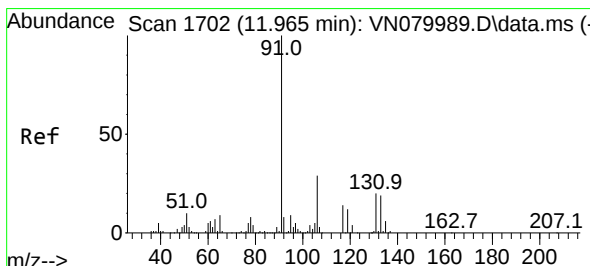
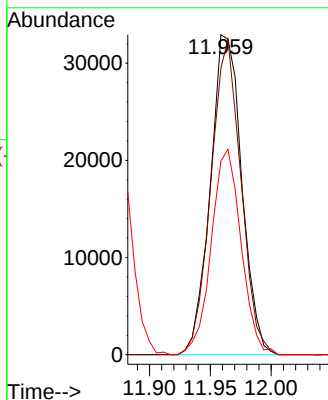
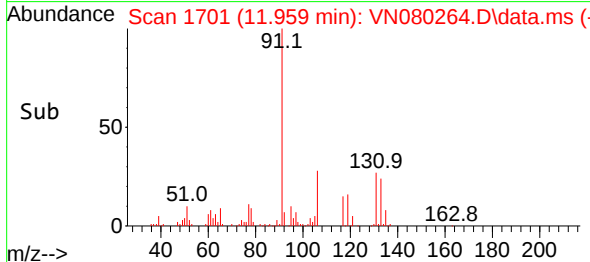
Tgt Ion:131 Resp: 59090
Ion Ratio Lower Upper
131 100
133 94.0 0.0 196.0
119 61.0 0.0 135.6

Manual Integrations
APPROVED

Reviewed By :John
Carlone

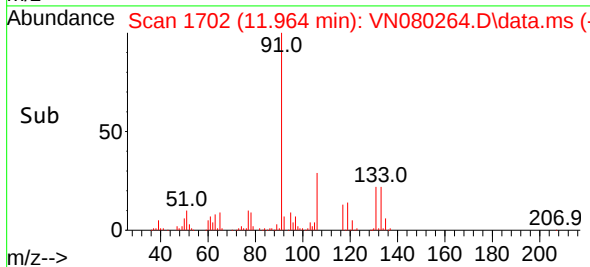
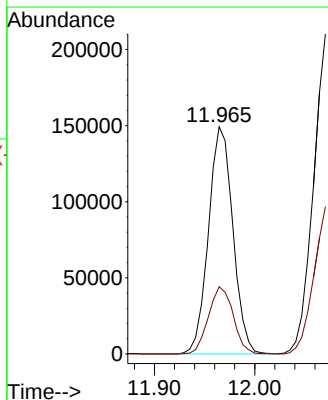
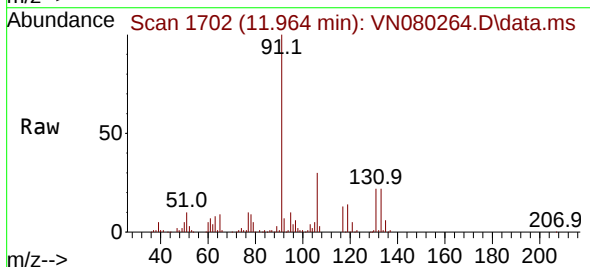
11/27/2023
Supervised By :Mahesh
Dadoda

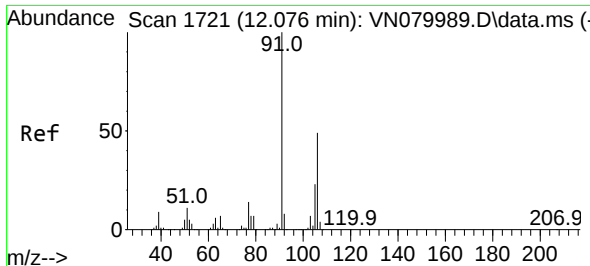
11/27/2023



#66
Ethyl Benzene
Concen: 20.560 ug/l
RT: 11.964 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

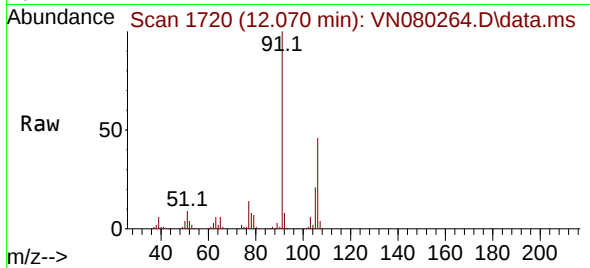
Tgt Ion: 91 Resp: 251990
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.8





#67
m/p-Xylenes
Concen: 42.064 ug/l
RT: 12.070 min Scan# 1721
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



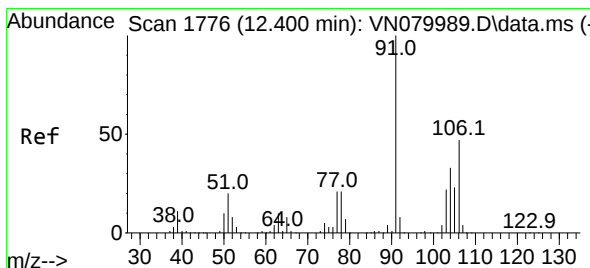
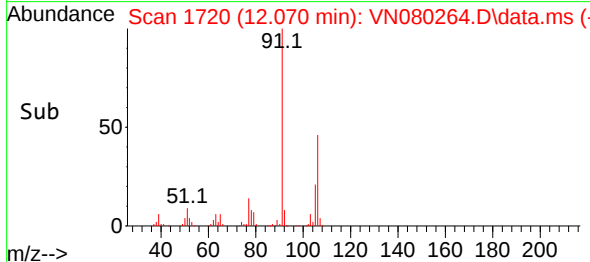
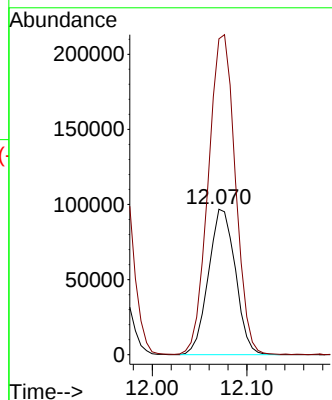
Tgt Ion:106 Resp: 191930
Ion Ratio Lower Upper
106 100
91 220.5 161.8 242.6

Manual Integrations
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Reviewed By :John
Carlone

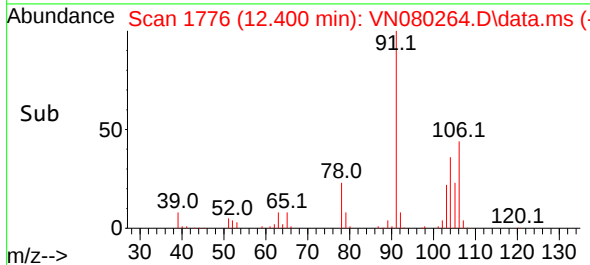
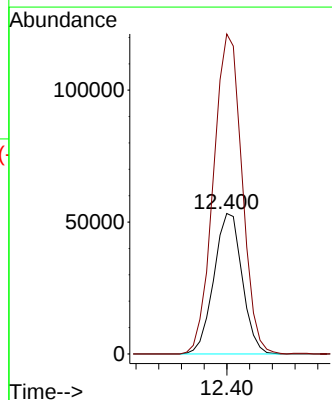
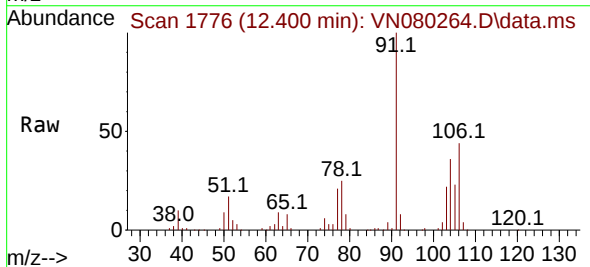
11/27/2023
Supervised By :Mahesh
Dadoda

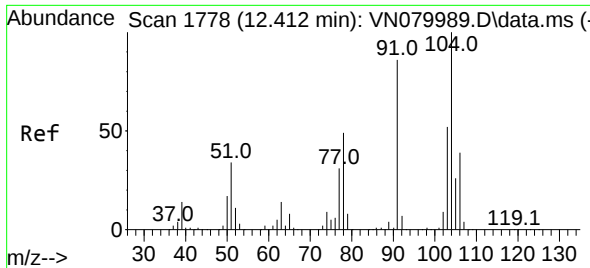
11/27/2023



#68
o-Xylene
Concen: 21.050 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Tgt Ion:106 Resp: 92063
Ion Ratio Lower Upper
106 100
91 230.2 109.9 329.7





#69
Styrene
Concen: 21.722 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.005 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

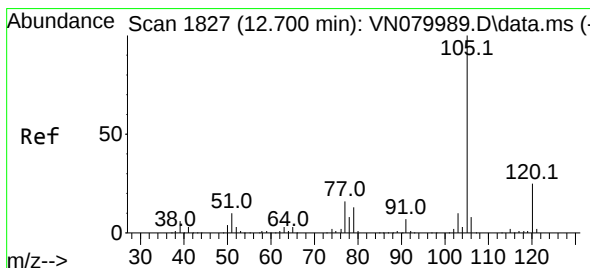
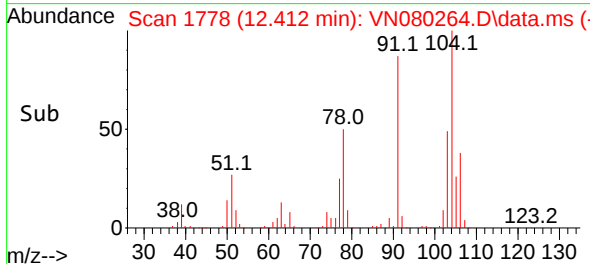
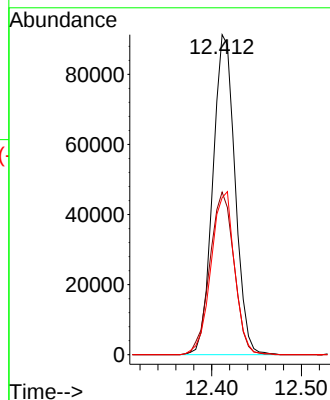
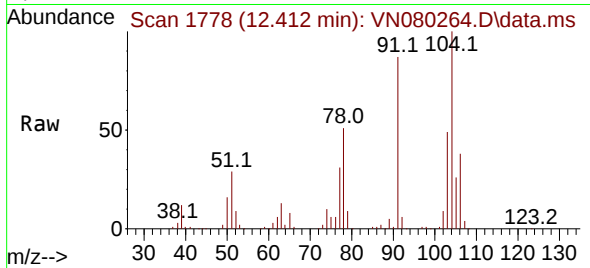
Tgt Ion:104 Resp: 15726
Ion Ratio Lower Upper
104 100
78 55.4 41.2 61.8
103 53.9 43.1 64.7

Manual Integrations
APPROVED

Reviewed By :John
Carlone

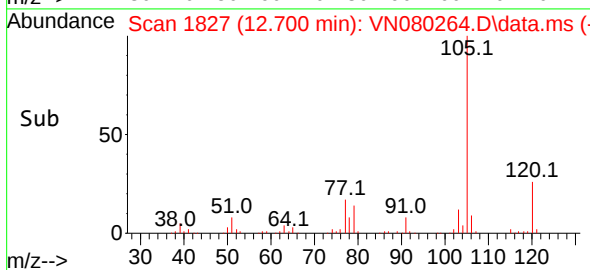
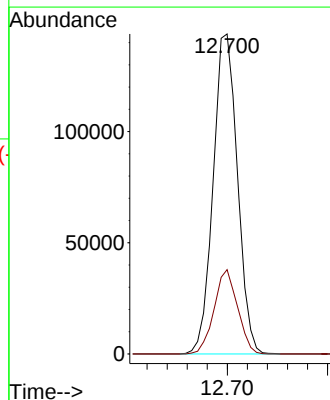
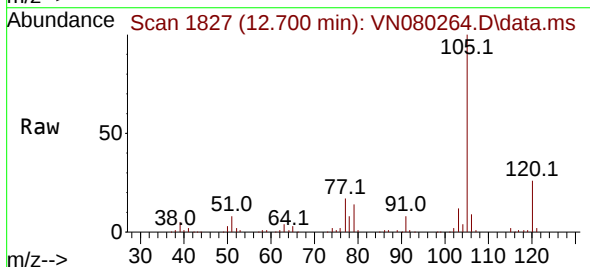
11/27/2023
Supervised By :Mahesh
Dadoda

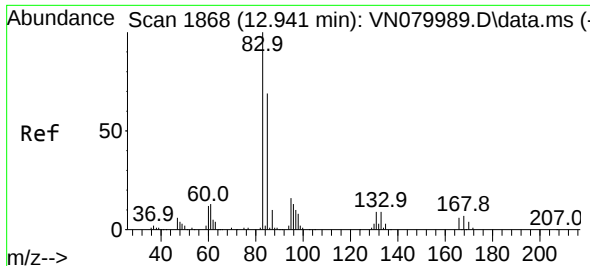
11/27/2023



#70
Isopropylbenzene
Concen: 22.187 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

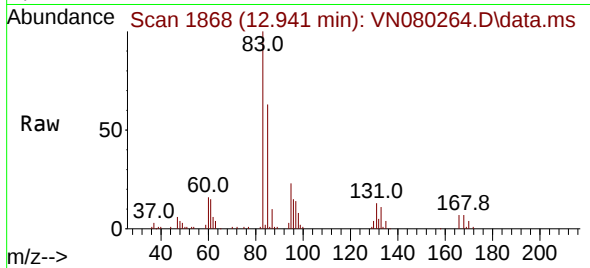
Tgt Ion:105 Resp: 242048
Ion Ratio Lower Upper
105 100
120 25.4 18.1 33.5





#71
1,1,2,2-Tetrachloroethane
Concen: 18.712 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



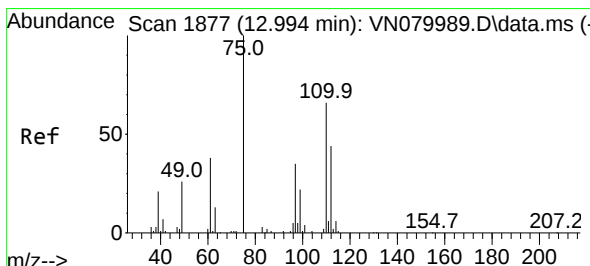
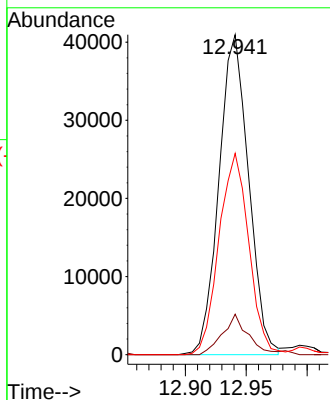
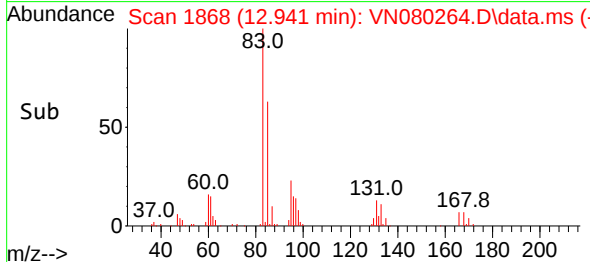
Tgt Ion: 83 Resp: 69529
Ion Ratio Lower Upper
83 100
131 10.9 4.5 13.4
85 63.2 32.1 96.3

Manual Integrations
APPROVED

Reviewed By :John
Carlone

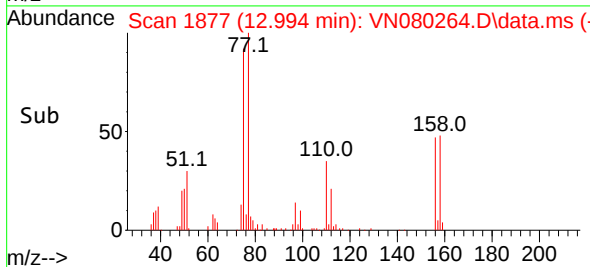
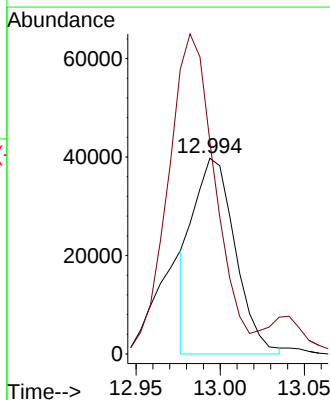
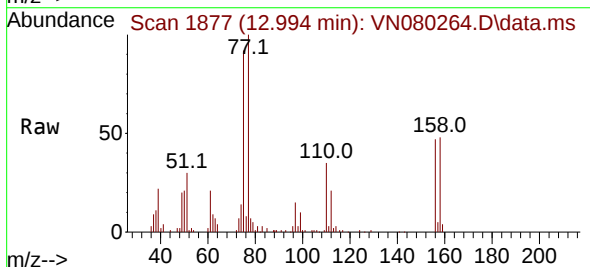
11/27/2023
Supervised By :Mahesh
Dadoda

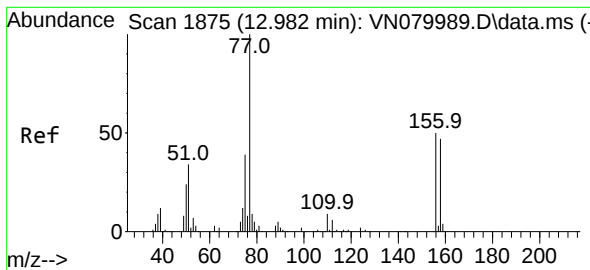
11/27/2023



#72
1,2,3-Trichloropropane
Concen: 20.156 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Tgt Ion: 75 Resp: 69587
Ion Ratio Lower Upper
75 100
77 182.1 0.0 338.2





#73

Bromobenzene

Concen: 22.146 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:	156	Resp:	5939
Ion Ratio	Lower	Upper	
156	100		
77	213.4	0.0	448.2
158	98.1	0.0	194.8

Manual Integrations

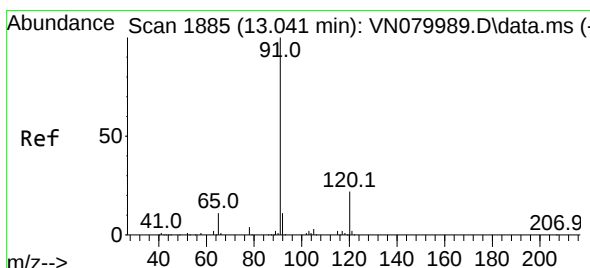
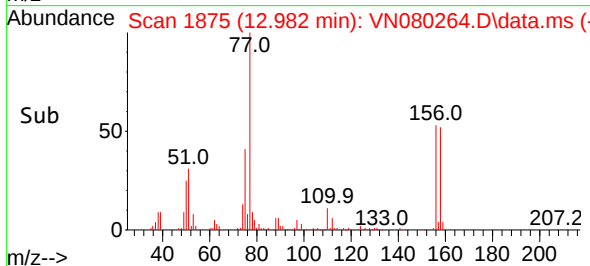
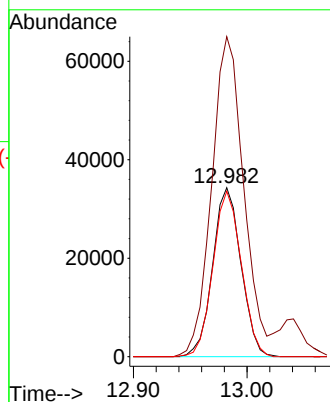
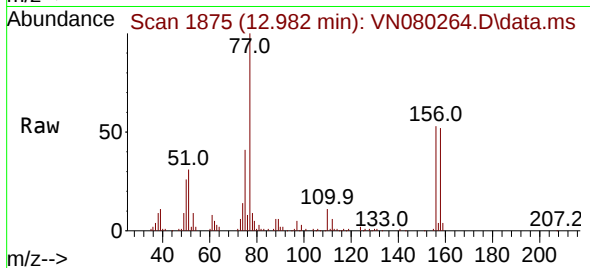
APPROVED

Reviewed By :John
Carlone

11/27/2023

Supervised By :Mahesh
Dadoda

11/27/2023



#74

n-propylbenzene

Concen: 20.430 ug/l

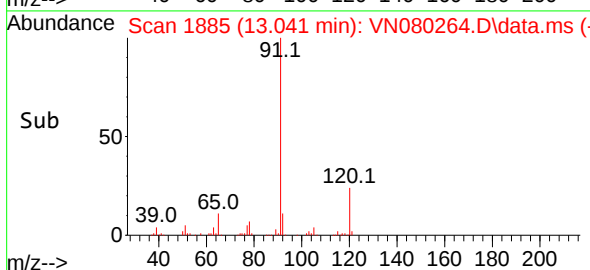
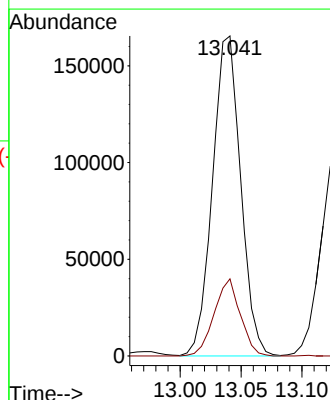
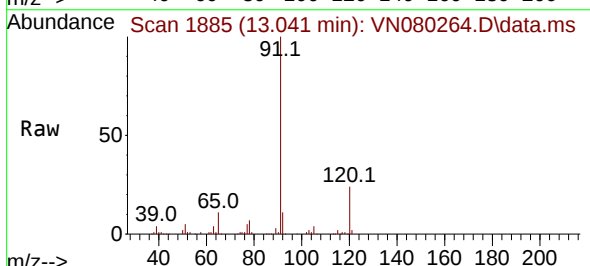
RT: 13.041 min Scan# 1885

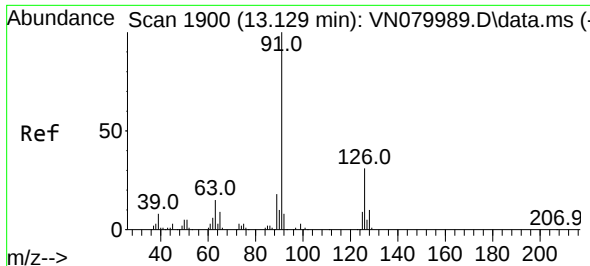
Delta R.T. -0.000 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

Tgt Ion:	91	Resp:	266625
Ion Ratio	Lower	Upper	
91	100		
120	22.3	0.0	42.0





#75
2-Chlorotoluene
Concen: 21.525 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

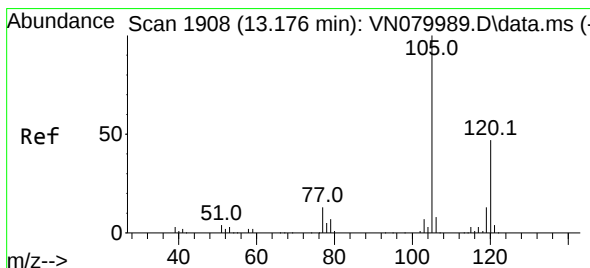
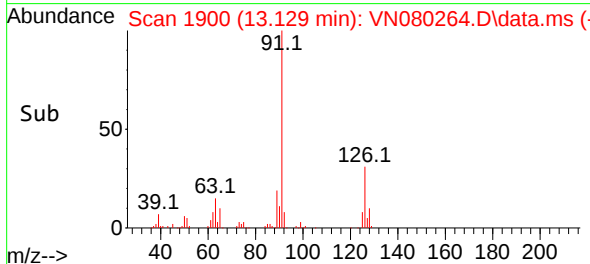
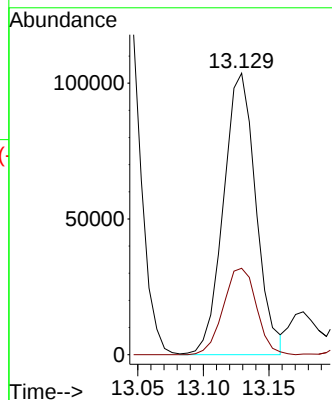
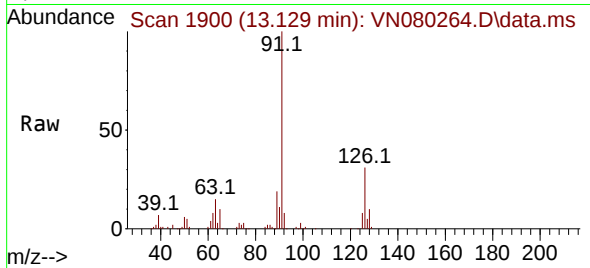
Tgt Ion: 91 Resp: 17855
Ion Ratio Lower Upper
91 100
126 31.3 0.0 64.6

Manual Integrations
APPROVED

Reviewed By :John
Carlone

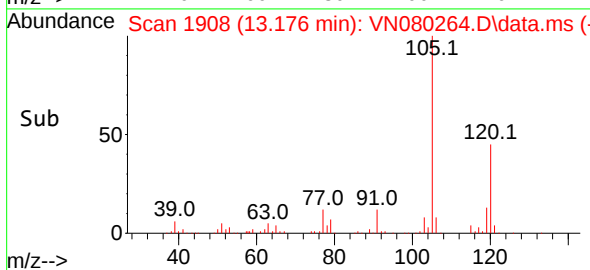
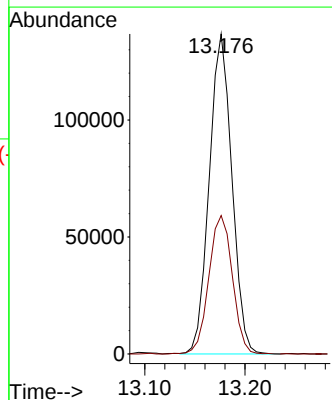
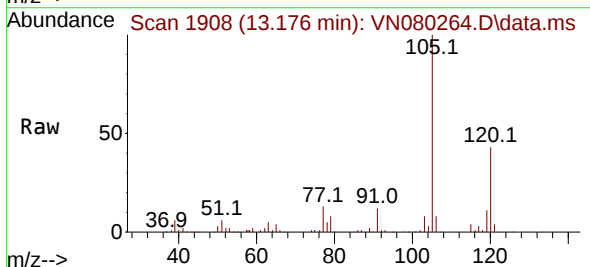
11/27/2023
Supervised By :Mahesh
Dadoda

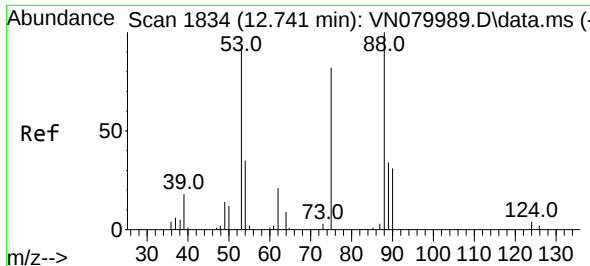
11/27/2023



#76
1,3,5-Trimethylbenzene
Concen: 23.793 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

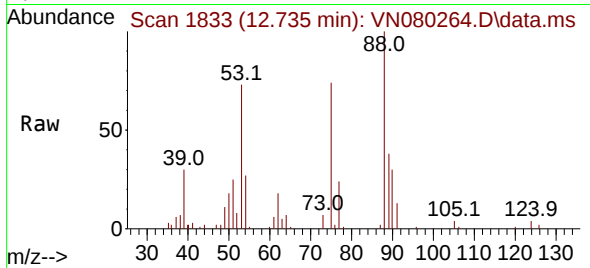
Tgt Ion:105 Resp: 214693
Ion Ratio Lower Upper
105 100
120 44.9 0.0 93.2





#77
t-1,4-Dichloro-2-butene
Concen: 19.678 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



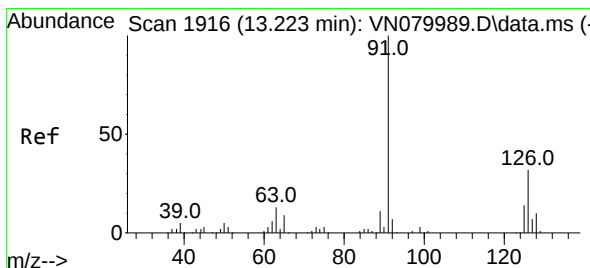
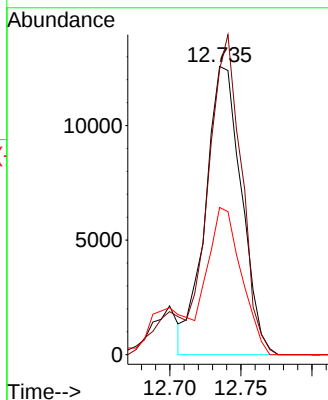
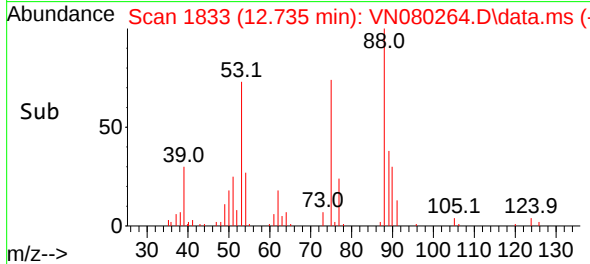
Tgt Ion: 75 Resp: 22240
Ion Ratio Lower Upper
75 100
53 99.0 53.0 159.1
89 51.1 22.6 67.7

Manual Integrations
APPROVED

Reviewed By :John
Carlone

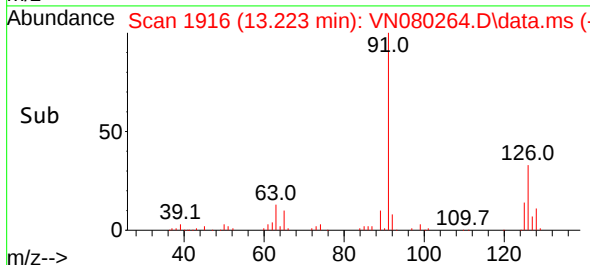
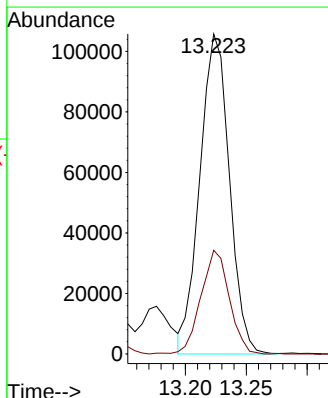
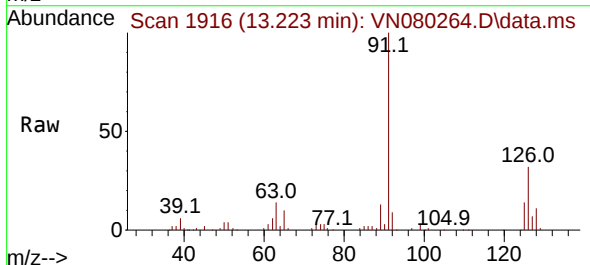
11/27/2023
Supervised By :Mahesh
Dadoda

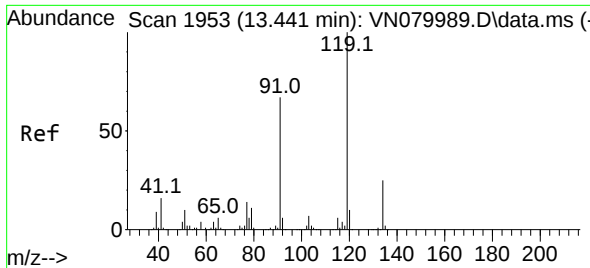
11/27/2023



#78
4-Chlorotoluene
Concen: 21.637 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

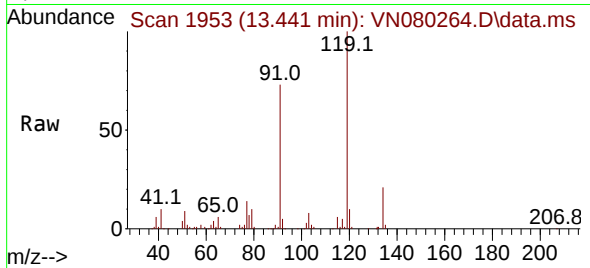
Tgt Ion: 91 Resp: 178265
Ion Ratio Lower Upper
91 100
126 30.9 0.0 65.4





#79
tert-butylbenzene
Concen: 23.587 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



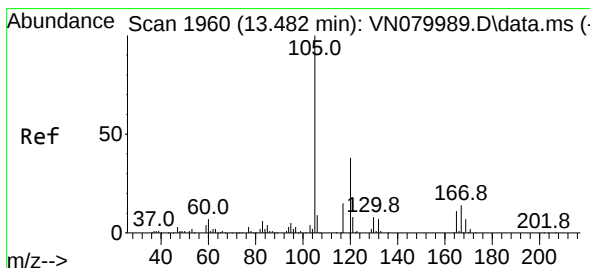
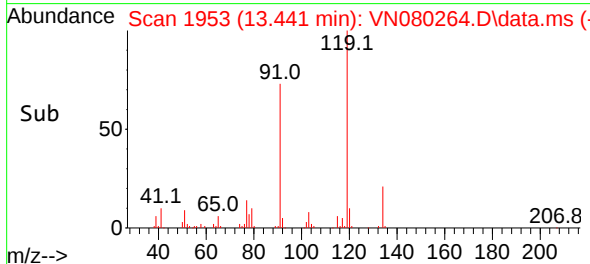
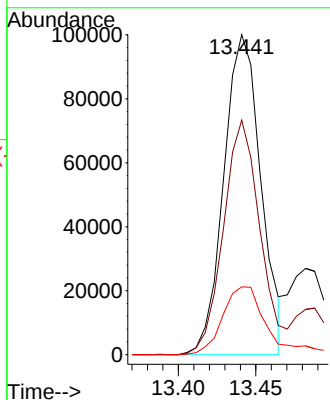
Tgt Ion:119 Resp: 166672
Ion Ratio Lower Upper
119 100
91 72.8 0.0 140.6
134 25.3 0.0 49.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

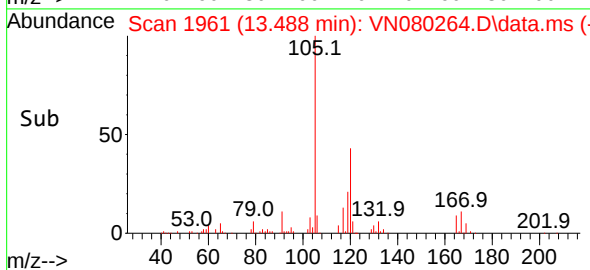
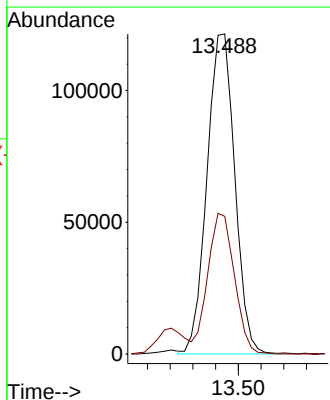
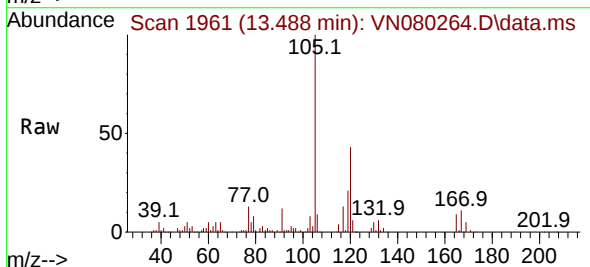
11/27/2023
Supervised By :Mahesh
Dadoda

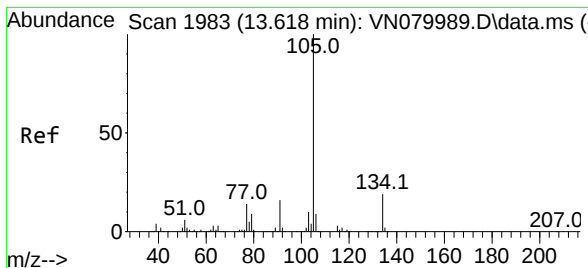
11/27/2023



#80
1,2,4-Trimethylbenzene
Concen: 23.367 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

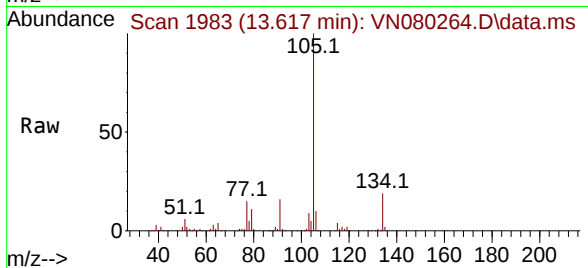
Tgt Ion:105 Resp: 206749
Ion Ratio Lower Upper
105 100
120 42.0 0.0 88.6





#81
 sec-Butylbenzene
 Concen: 22.667 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN080264.D
 Acq: 24 Nov 2023 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



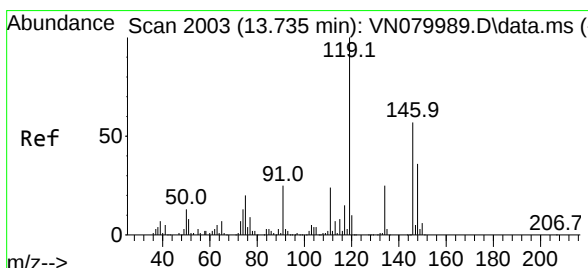
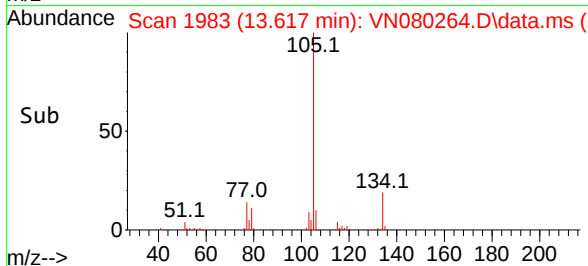
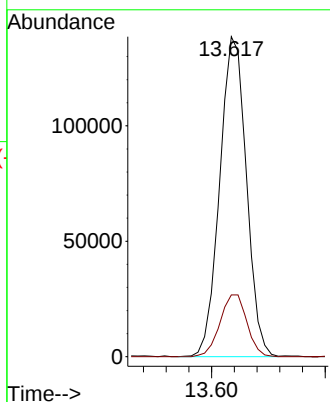
Tgt Ion:105 Resp: 226100
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 38.2

Manual Integrations
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Reviewed By :John
 Carlone

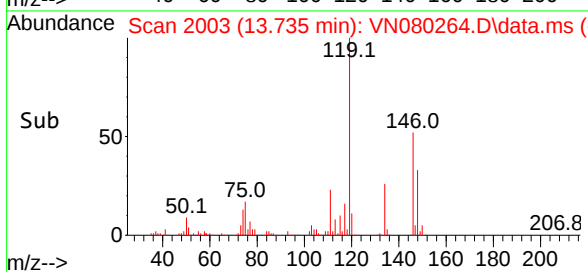
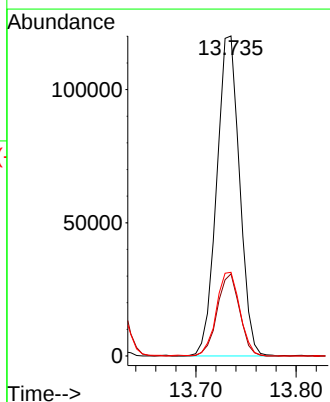
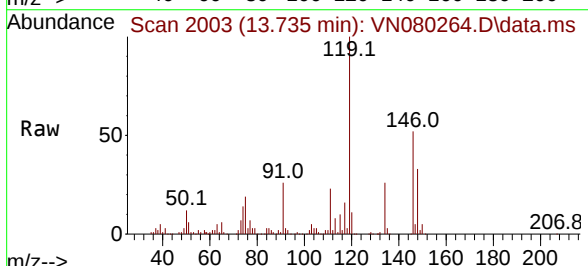
11/27/2023
 Supervised By :Mahesh
 Dadoda

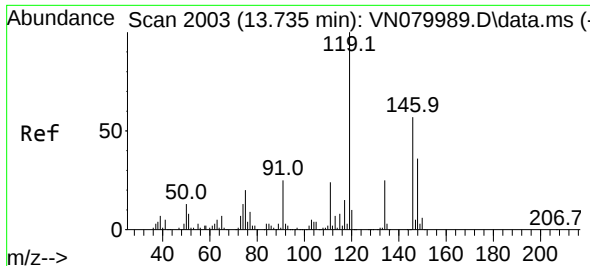
11/27/2023



#82
 p-Isopropyltoluene
 Concen: 23.496 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.000 min
 Lab File: VN080264.D
 Acq: 24 Nov 2023 16:17

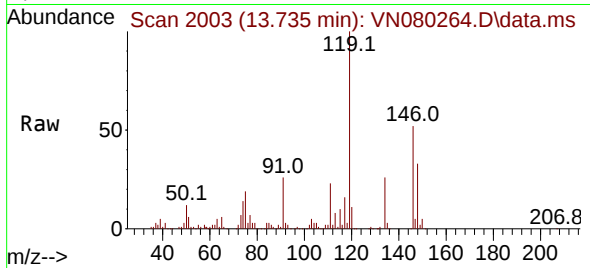
Tgt Ion:119 Resp: 190342
 Ion Ratio Lower Upper
 119 100
 134 25.0 0.0 52.2
 91 26.9 0.0 50.0





#83
1,3-Dichlorobenzene
Concen: 22.047 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



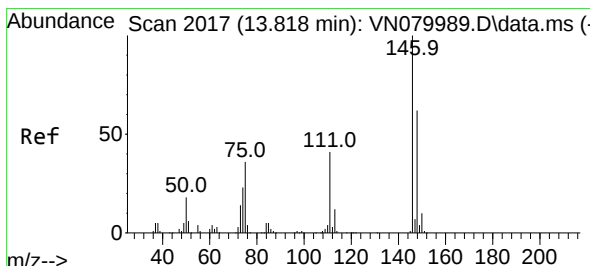
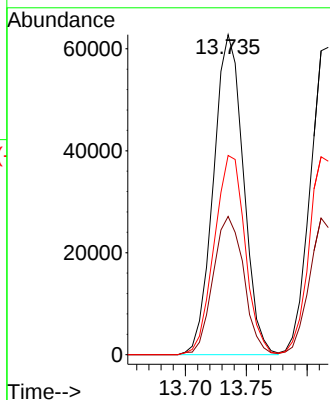
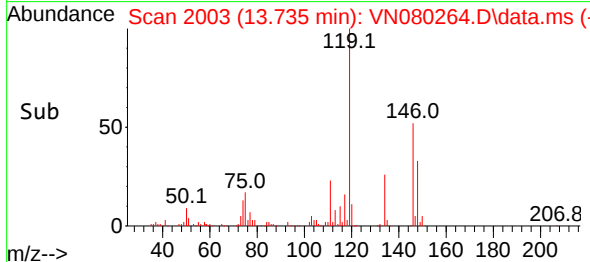
Tgt Ion:146 Resp: 107748
Ion Ratio Lower Upper
146 100
111 44.2 21.0 63.0
148 64.1 32.4 97.0

Manual Integrations
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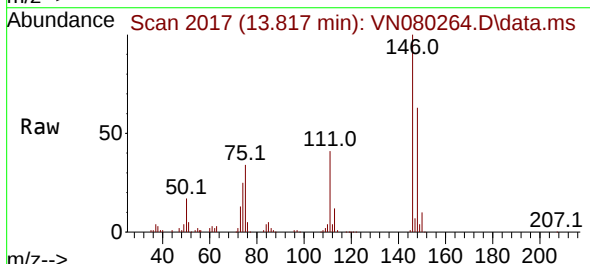
Reviewed By :John
Carlone

11/27/2023
Supervised By :Mahesh
Dadoda

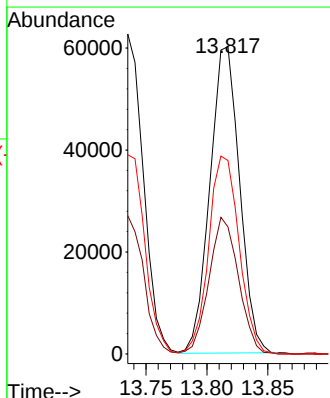
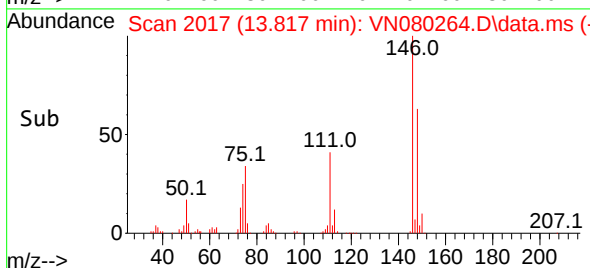
11/27/2023

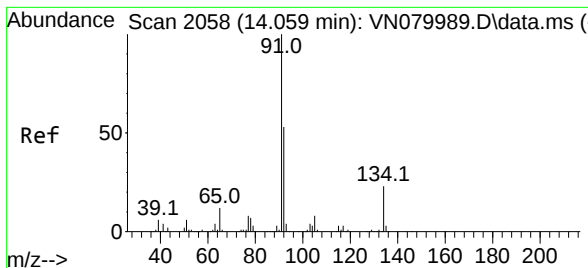


#84
1,4-Dichlorobenzene
Concen: 21.319 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17



Tgt Ion:146 Resp: 102262
Ion Ratio Lower Upper
146 100
111 44.3 19.9 59.7
148 66.1 32.6 97.7





#85
n-Butylbenzene
Concen: 21.337 ug/l
RT: 14.058 min Scan# 2058
Delta R.T. -0.001 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

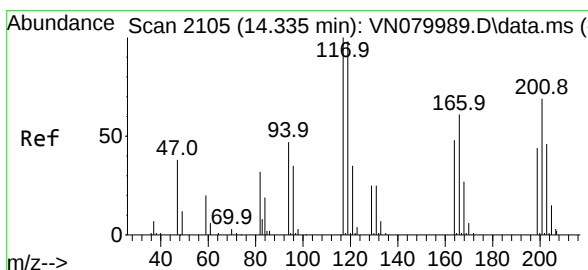
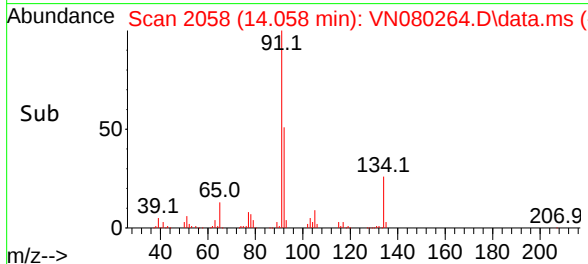
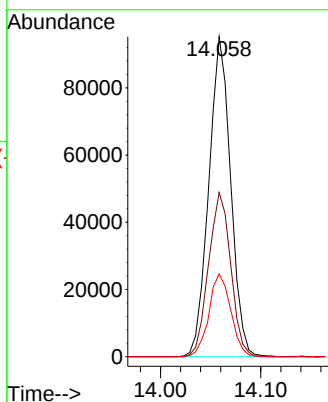
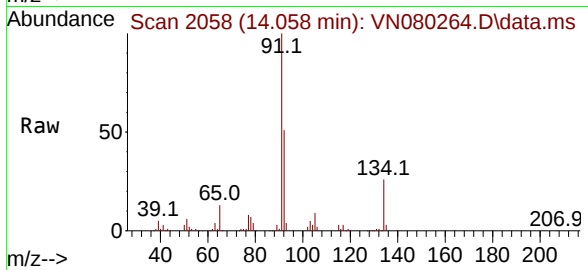
Tgt Ion: 91 Resp: 14457
Ion Ratio Lower Upper
91 100
92 51.9 0.0 99.6
134 25.9 0.0 46.2

Manual Integrations
APPROVED

Reviewed By :John
Carlone

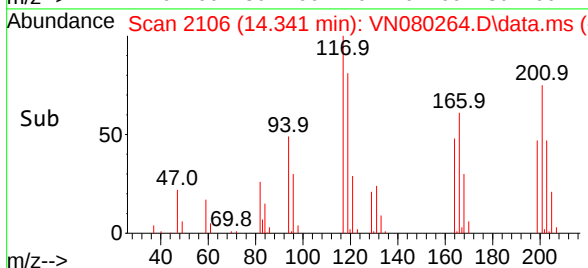
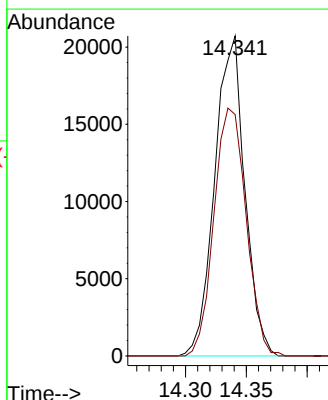
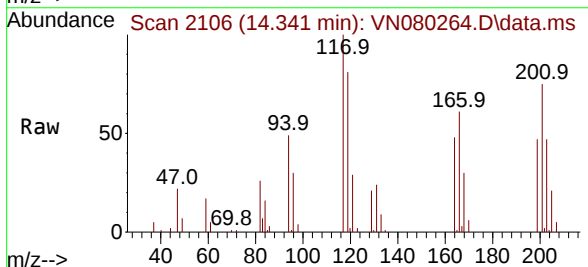
11/27/2023
Supervised By :Mahesh
Dadoda

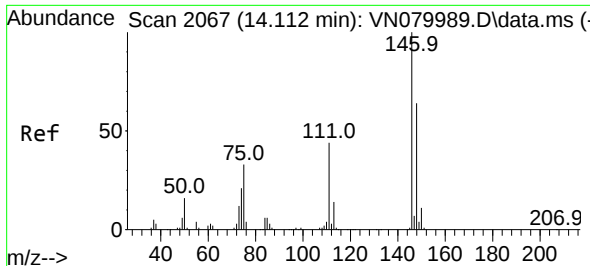
11/27/2023



#86
Hexachloroethane
Concen: 22.580 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Tgt Ion:117 Resp: 35571
Ion Ratio Lower Upper
117 100
201 82.9 32.5 97.5





#87

1,2-Dichlorobenzene

Concen: 23.035 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.005 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:146 Resp: 107550

Ion Ratio Lower Upper

146 100

111 45.4 22.0 66.0

148 61.0 31.1 93.5

Manual Integrations

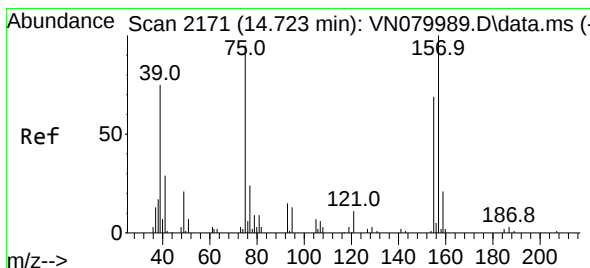
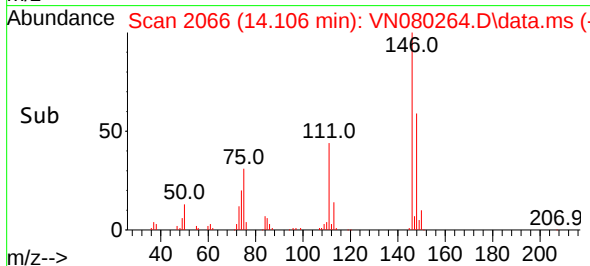
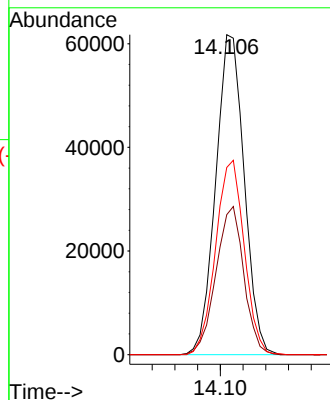
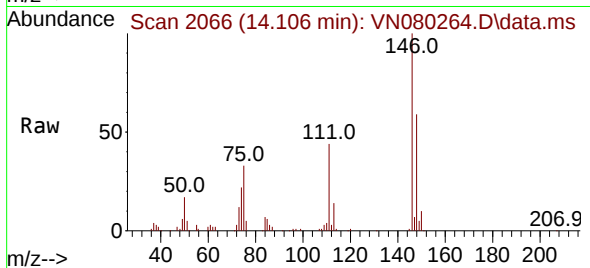
APPROVED

Reviewed By :John
Carlone

11/27/2023

Supervised By :Mahesh
Dadoda

11/27/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 23.867 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN080264.D

Acq: 24 Nov 2023 16:17

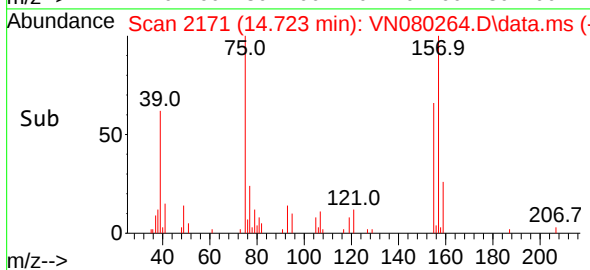
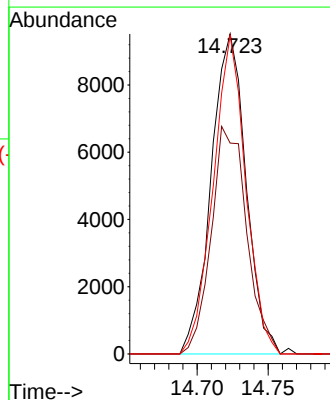
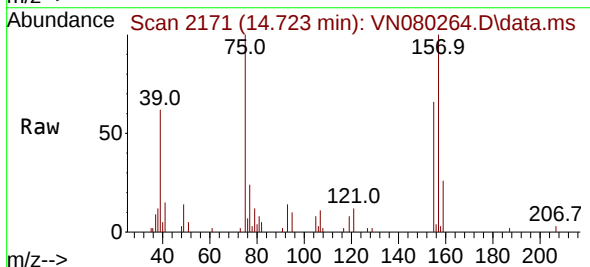
Tgt Ion: 75 Resp: 16218

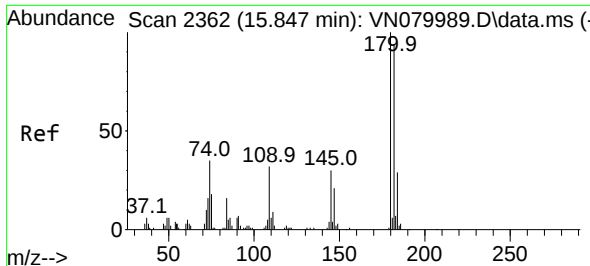
Ion Ratio Lower Upper

75 100

155 72.2 60.7 91.1

157 92.9 76.8 115.2





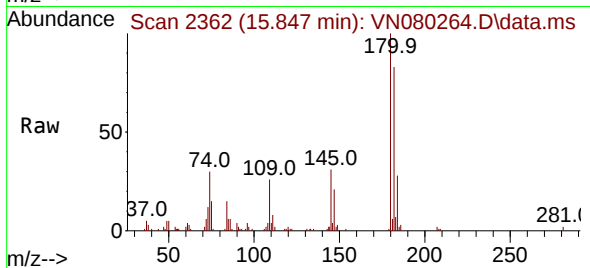
#89
1,2,4-Trichlorobenzene
Concen: 24.541 ug/l
RT: 15.847 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



Tgt Ion:180 Resp: 5308
Ion Ratio Lower Upper
180 100
182 93.5 74.2 111.4
145 33.6 25.4 38.2

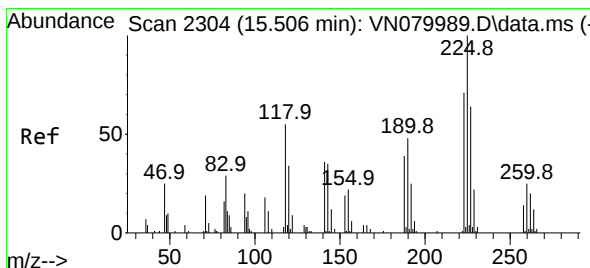
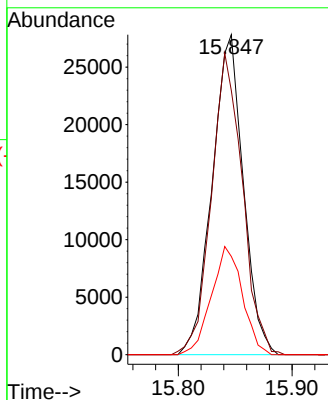
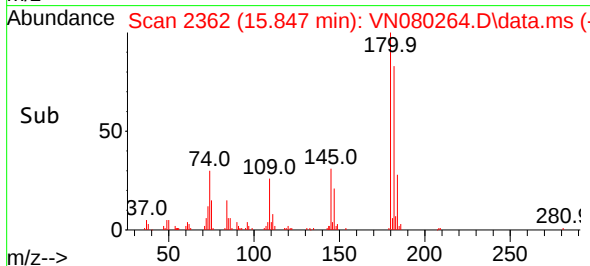
Manual Integrations
APPROVED

Reviewed By :John
Carlone

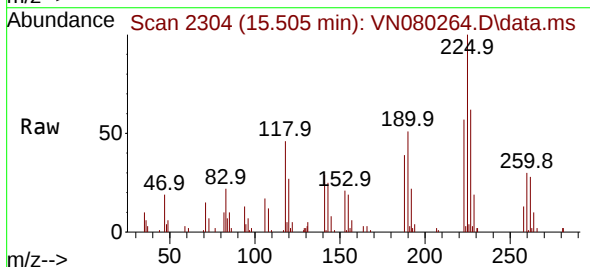
11/27/2023

Supervised By :Mahesh
Dadoda

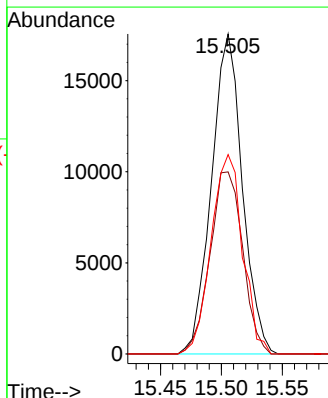
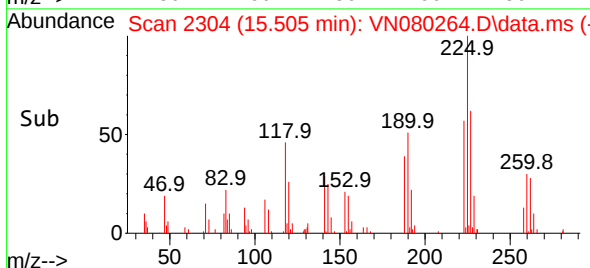
11/27/2023

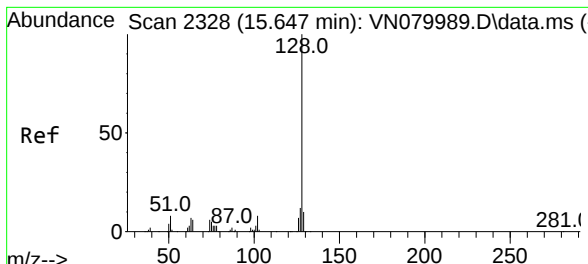


#90
Hexachlorobutadiene
Concen: 29.057 ug/l
RT: 15.505 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17



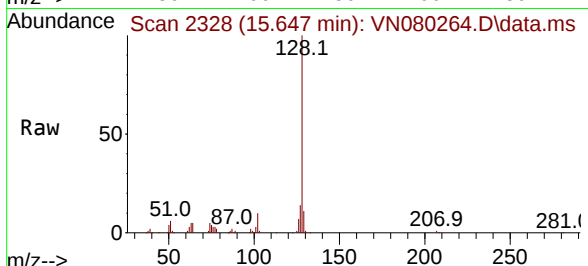
Tgt Ion:225 Resp: 30975
Ion Ratio Lower Upper
225 100
223 60.4 0.0 126.0
227 63.5 0.0 127.0





#91
Naphthalene
Concen: 21.404 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



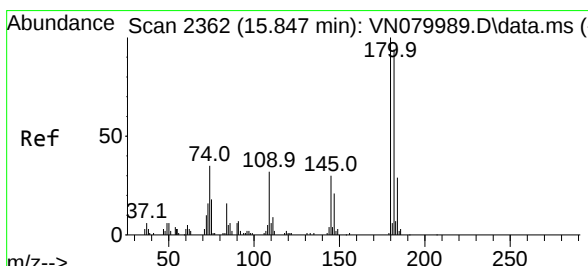
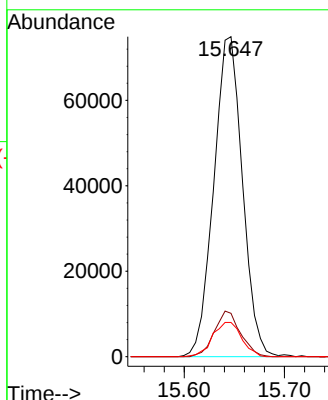
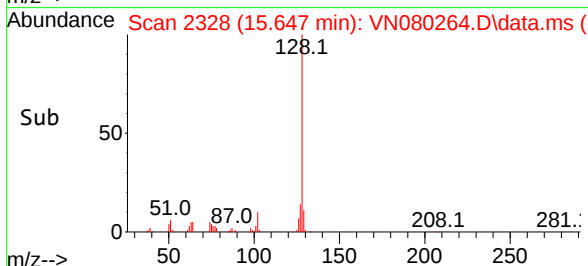
Tgt Ion:128 Resp: 14857
Ion Ratio Lower Upper
128 100
127 12.9 10.9 16.3
129 10.9 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

11/27/2023
Supervised By :Mahesh
Dadoda

11/27/2023



#92
1,2,3-Trichlorobenzene
Concen: 24.541 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN080264.D
Acq: 24 Nov 2023 16:17

Tgt Ion:180 Resp: 53082
Ion Ratio Lower Upper
180 100
182 93.5 0.0 185.6
145 33.6 0.0 63.6

