

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091923\
 Data File : VN079297.D
 Acq On : 19 Sep 2023 11:00
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/19/2023
 Supervised By : Mahesh Dadoda 09/20/2023

Quant Time: Sep 19 15:40:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	38831	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	202403	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	188071	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	102147	35.013	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 116.700%#			
60) 4-Bromofluorobenzene	12.853	95	86023	31.043	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.467%			
63) Toluene-d8	10.571	98	278603	31.698	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 105.667%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	42906	19.812	ug/l	99
3) Chloromethane	2.365	50	51816	23.861	ug/l #	83
4) Vinyl Chloride	2.518	62	57384	26.709	ug/l	95
5) Bromomethane	2.953	94	31662	24.011	ug/l	93
6) Chloroethane	3.124	64	41626	31.635	ug/l #	87
7) Trichlorofluoromethane	3.500	101	79550	31.100	ug/l	98
8) Diethyl Ether	3.965	74	26077	27.805	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.377	101	43790	31.066	ug/l	94
10) 1,1-Dichloroethene	4.342	96	40784	29.861	ug/l	94
11) Methyl Iodide	4.589	142	43970	25.557	ug/l	98
12) Methyl Acetate	5.036	43	88437	27.785	ug/l	99
13) Acrolein	4.183	56	40996	141.419	ug/l	99
14) Acrylonitrile	5.724	53	118202	126.580	ug/l	99
15) Acetone	4.430	58	39004	160.116	ug/l	89
16) Carbon Disulfide	4.712	76	111936	27.736	ug/l	97
17) Allyl chloride	5.030	41	58302	26.565	ug/l	91
18) Methylene Chloride	5.277	84	51067	27.877	ug/l	94
19) trans-1,2-Dichloroethene	5.794	96	45357	26.543	ug/l	99
20) Diisopropyl ether	6.677	45	155887	23.793	ug/l	95
21) 1,1-Dichloroethane	6.577	63	94582	24.642	ug/l	100
22) cis-1,2-Dichloroethene	7.494	96	54175	20.272	ug/l	93
23) tert-Butyl Alcohol	5.530	59	36848m	102.575	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	135791	25.191	ug/l	94
25) Chloroform	7.971	83	100920	21.804	ug/l	99
26) Cyclohexane	8.259	56	67171	19.299	ug/l #	98
29) 1,1-Dichloropropene	8.371	75	69240	21.337	ug/l	97
30) 2-Butanone	7.488	43	162188	99.365	ug/l	97
31) 2,2-Dichloropropane	7.494	77	74657	23.064	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	84466	22.093	ug/l	96
33) Carbon Tetrachloride	8.371	117	73097	22.257	ug/l	94
34) Benzene	8.612	78	210062	20.374	ug/l	99
35) Methacrylonitrile	7.783	41	34491	19.625	ug/l	93
36) 1,2-Dichloroethane	8.671	62	79840	23.480	ug/l	95
37) Trichloroethene	9.353	130	49527	20.323	ug/l	99
38) Methylcyclohexane	9.606	83	60939	18.784	ug/l	96
39) 1,2-Dichloropropane	9.624	63	54840	20.620	ug/l #	88
40) Dibromomethane	9.712	93	38025	21.680	ug/l	94
41) Bromodichloromethane	9.894	83	79692	22.793	ug/l	92
42) Vinyl Acetate	6.612	43	435918	112.455	ug/l	97

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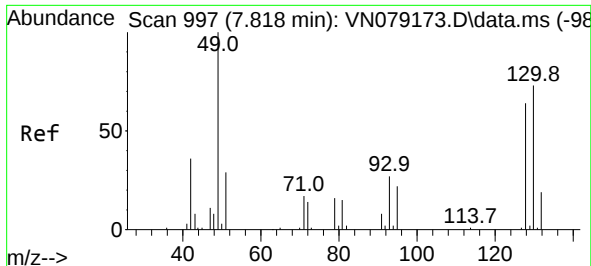
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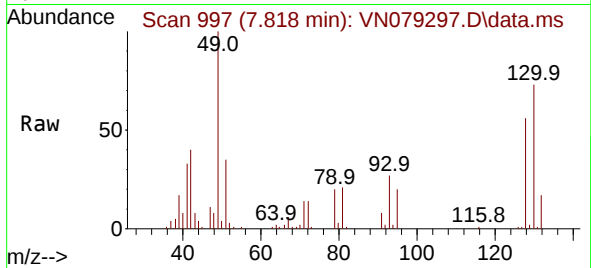
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	69591	22.449	ug/l	97
44) Isopropyl Acetate	8.694	43	102321	18.349	ug/l	99
45) 1,4-Dioxane	9.694	88	18484	332.997	ug/l #	59
46) Methyl methacrylate	9.688	41	48869	19.615	ug/l	90
47) n-amyl Acetate	12.500	43	77441	19.746	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	73805	19.512	ug/l	91
49) cis-1,3-Dichloropropene	10.318	75	83710	21.217	ug/l	90
50) 1,1,2-Trichloroethane	11.018	97	52280	21.248	ug/l	94
51) Ethyl methacrylate	10.876	69	67735m	17.825	ug/l	
52) 1,3-Dichloropropane	11.165	76	90071	21.442	ug/l	98
53) Dibromochloromethane	11.365	129	52644	20.400	ug/l	97
54) 1,2-Dibromoethane	11.471	107	49616	19.858	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	114101	84.506	ug/l	98
56) Bromoform	12.582	173	35378	19.674	ug/l	97
58) 4-Methyl-2-Pentanone	10.447	43	334902	97.039	ug/l	94
59) 2-Hexanone	11.200	43	236144	97.429	ug/l	94
61) Tetrachloroethene	11.106	164	43843	21.424	ug/l	94
62) Toluene	10.635	91	224404	20.493	ug/l	100
64) Chlorobenzene	11.894	112	129783	20.316	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.965	131	51300	20.975	ug/l	99
66) Ethyl Benzene	11.970	91	228772	20.749	ug/l	97
67) m/p-Xylenes	12.076	106	176129	42.455	ug/l	98
68) o-Xylene	12.406	106	81674	20.414	ug/l	95
69) Styrene	12.418	104	132776	20.806	ug/l	97
70) Isopropylbenzene	12.700	105	213687	21.012	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	74938	19.698	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	61189m	19.116	ug/l	
73) Bromobenzene	12.982	156	51620	20.320	ug/l	99
74) n-propylbenzene	13.041	91	254743	21.985	ug/l	98
75) 2-Chlorotoluene	13.129	91	157185	21.156	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	182528	21.707	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	19360	17.178	ug/l	82
78) 4-Chlorotoluene	13.223	91	148561	21.176	ug/l	97
79) tert-butylbenzene	13.441	119	141880	20.556	ug/l	93
80) 1,2,4-Trimethylbenzene	13.488	105	178049	22.172	ug/l	99
81) sec-Butylbenzene	13.623	105	204654	21.671	ug/l	99
82) p-Isopropyltoluene	13.735	119	163947	21.978	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	84972	21.062	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	78702	20.800	ug/l	100
85) n-Butylbenzene	14.059	91	122572	21.574	ug/l	95
86) Hexachloroethane	14.335	117	34126	23.106	ug/l	92
87) 1,2-Dichlorobenzene	14.112	146	82432	20.704	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	11491	17.870	ug/l	89
89) 1,2,4-Trichlorobenzene	15.847	180	26115m	15.328	ug/l	
90) Hexachlorobutadiene	15.506	225	20598	19.904	ug/l	97
91) Naphthalene	15.641	128	53151	11.938	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	26118	15.330	ug/l	92

(#) = 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. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

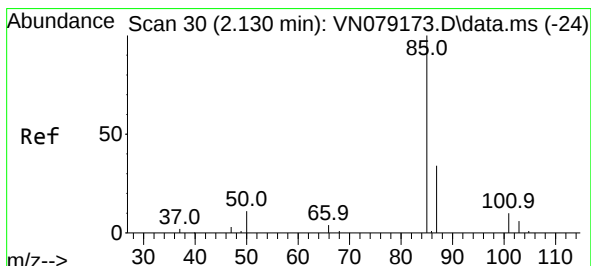
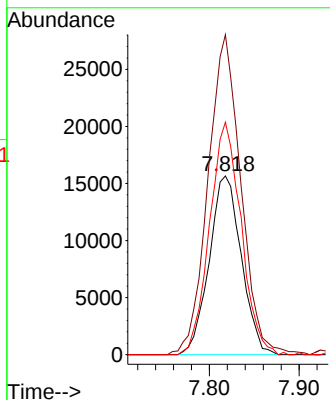
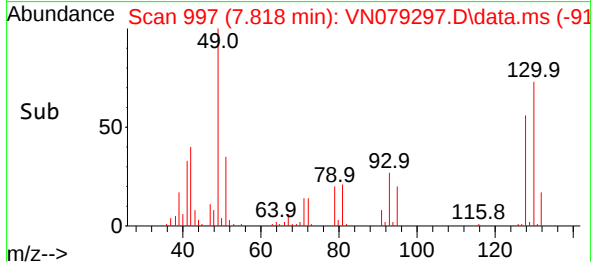
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 3883
Ion Ratio Lower Upper
128 100
49 183.5 0.0 414.3
130 128.2 0.0 311.0

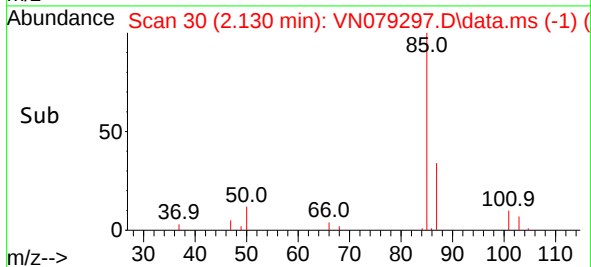
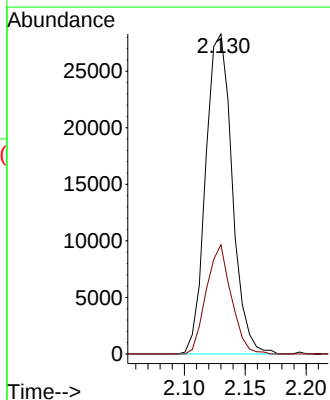
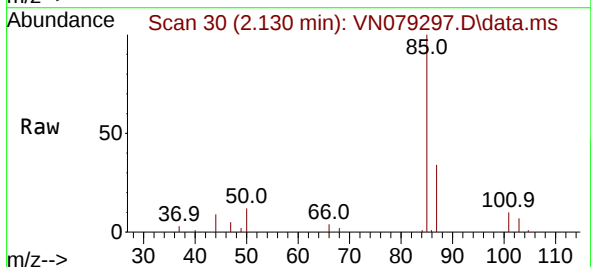
Manual Integrations
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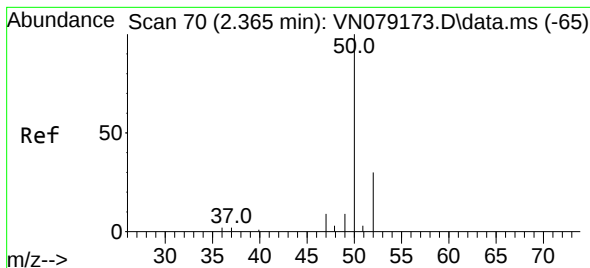
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#2
Dichlorodifluoromethane
Concen: 19.812 ug/l
RT: 2.130 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Tgt Ion: 85 Resp: 42906
Ion Ratio Lower Upper
85 100
87 34.1 17.3 51.7





#3

Chloromethane

Concen: 23.861 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 50 Resp: 51810

Ion Ratio Lower Upper

50 100

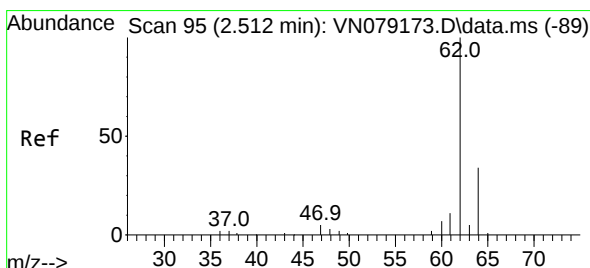
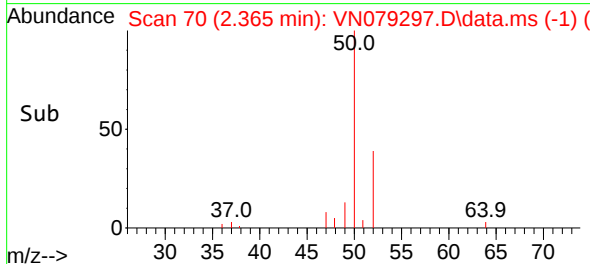
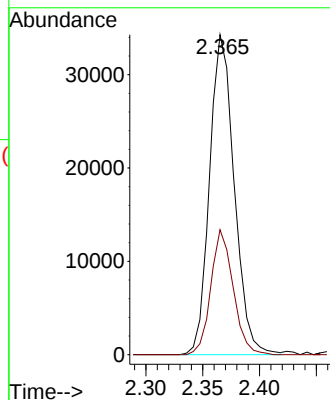
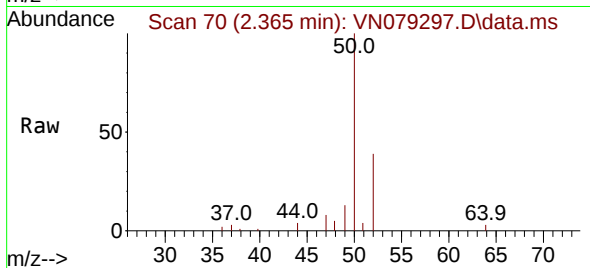
52 39.1 24.0 36.0

Manual Integrations

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Supervised By :Mahesh Dadoda 09/20/2023



#4

Vinyl Chloride

Concen: 26.709 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.006 min

Lab File: VN079297.D

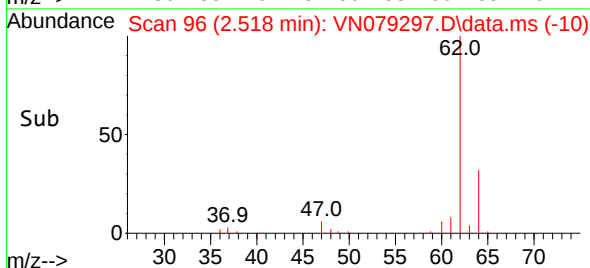
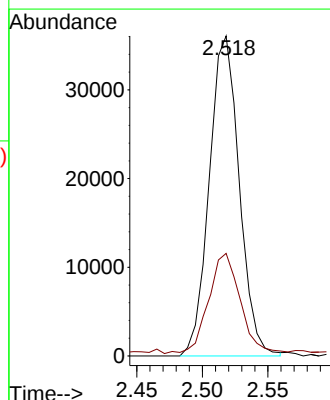
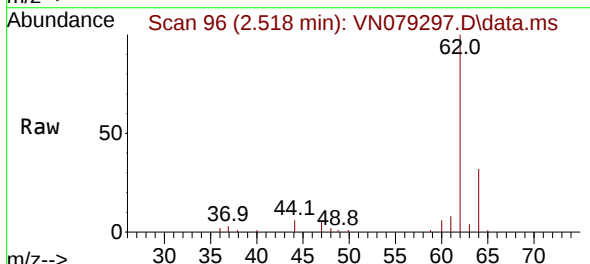
Acq: 19 Sep 2023 11:00

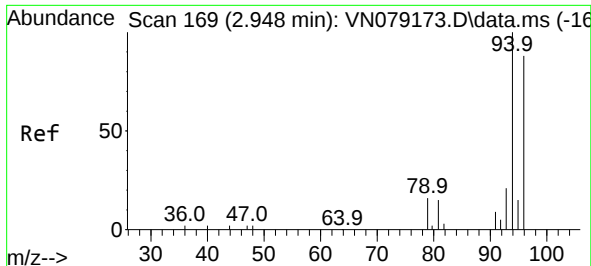
Tgt Ion: 62 Resp: 57384

Ion Ratio Lower Upper

62 100

64 30.9 27.1 40.7





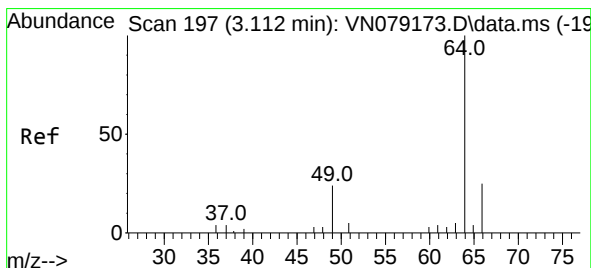
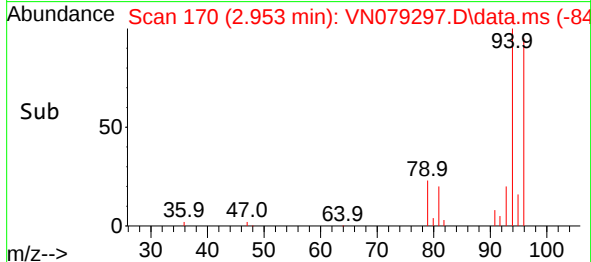
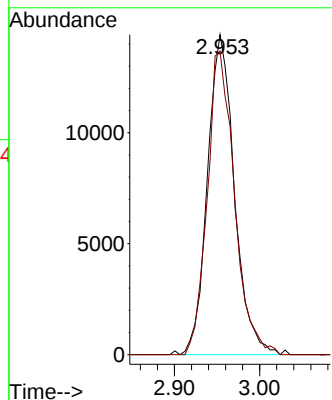
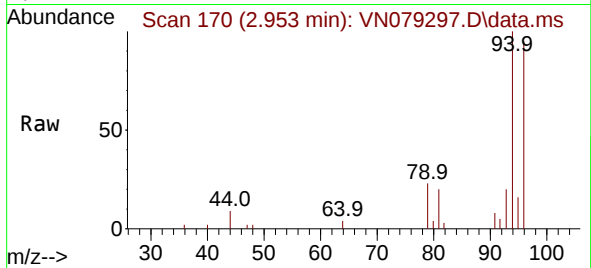
#5
Bromomethane
Concen: 24.011 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 94 Resp: 31662
Ion Ratio Lower Upper
94 100
96 94.9 70.6 105.8

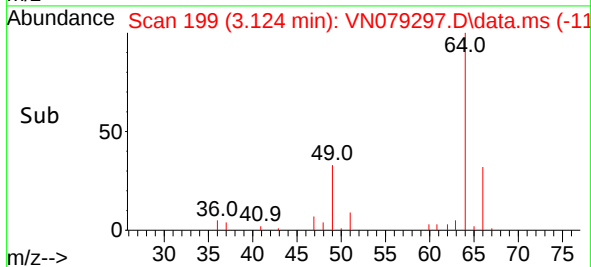
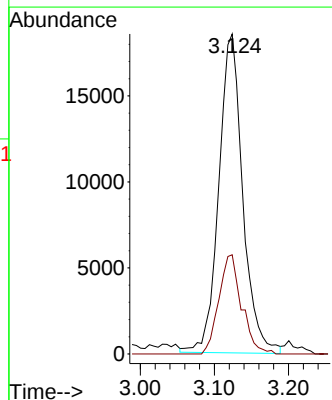
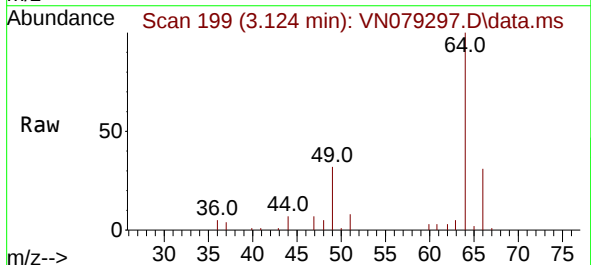
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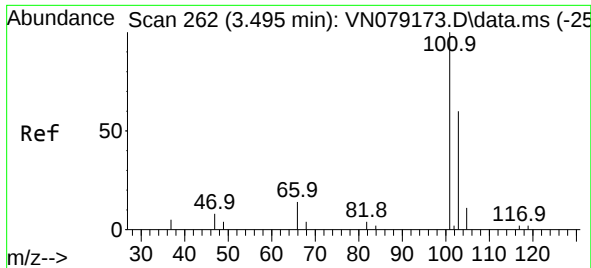
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#6
Chloroethane
Concen: 31.635 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.012 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

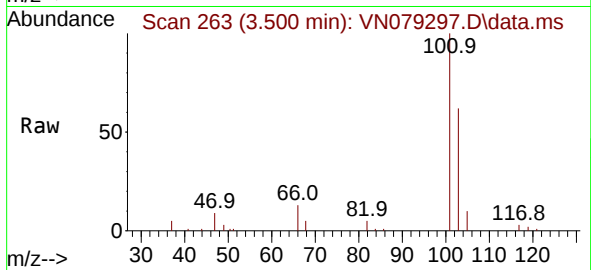
Tgt Ion: 64 Resp: 41626
Ion Ratio Lower Upper
64 100
66 31.5 20.1 30.1#





#7
 Trichlorofluoromethane
 Concen: 31.100 ug/l
 RT: 3.500 min Scan# 20
 Delta R.T. 0.005 min
 Lab File: VN079297.D
 Acq: 19 Sep 2023 11:00

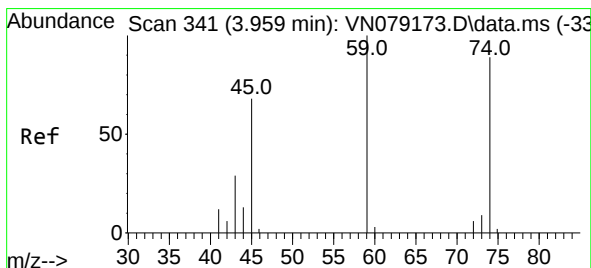
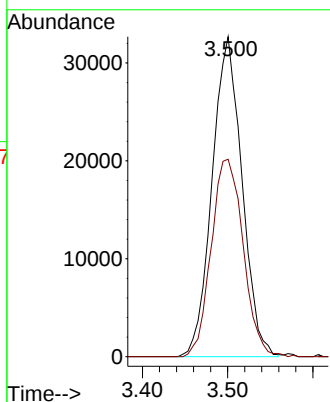
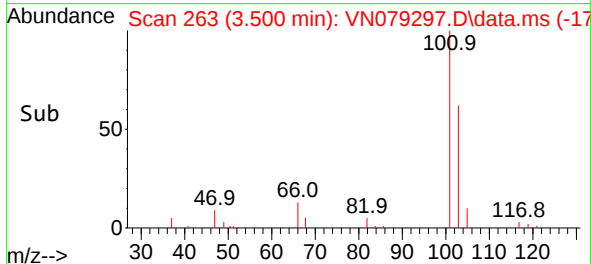
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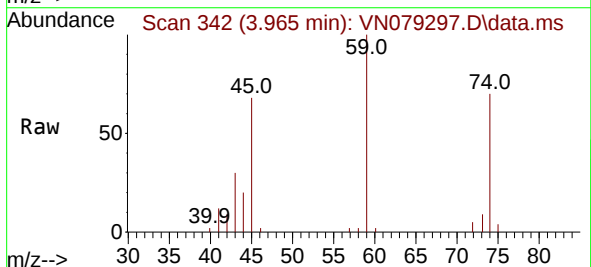
Tgt Ion:101 Resp: 79550
 Ion Ratio Lower Upper
 101 100
 103 61.7 48.2 72.4

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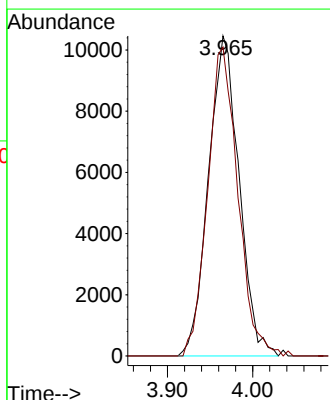
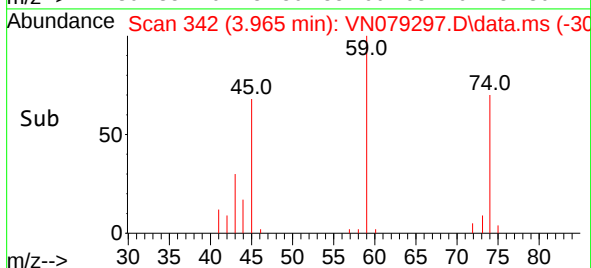
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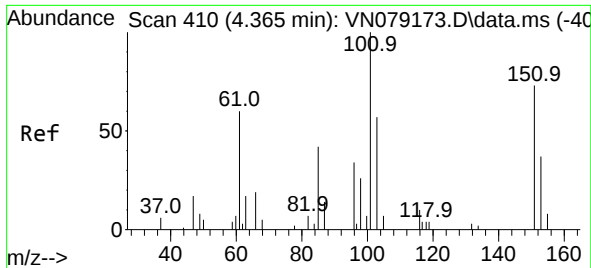


#8
 Diethyl Ether
 Concen: 27.805 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.006 min
 Lab File: VN079297.D
 Acq: 19 Sep 2023 11:00



Tgt Ion: 74 Resp: 26077
 Ion Ratio Lower Upper
 74 100
 45 95.1 17.6 158.0





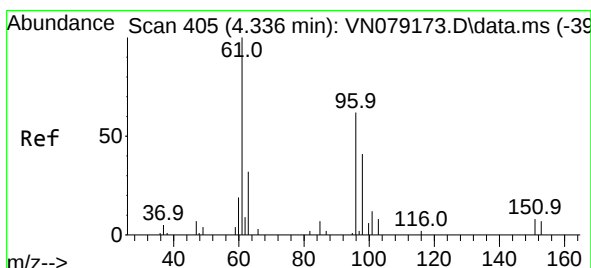
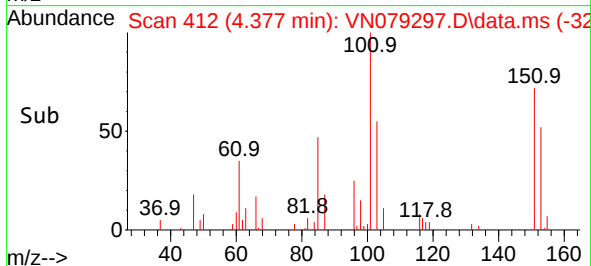
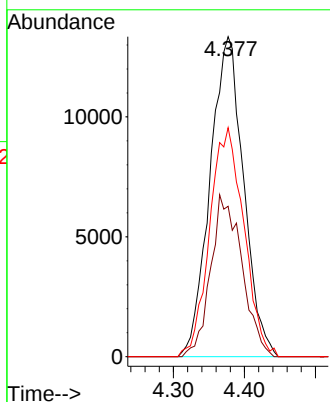
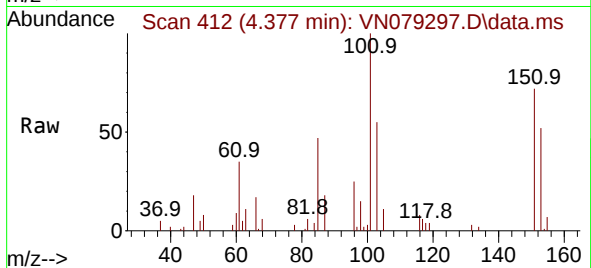
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1,1,2-Trichlorotrifluoroethane
Concen: 31.066 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 43790
Ion Ratio Lower Upper
101 100
85 47.0 0.0 85.6
151 72.9 0.0 155.8

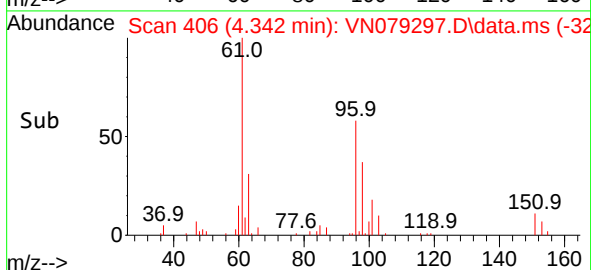
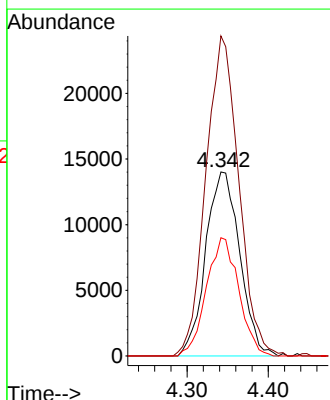
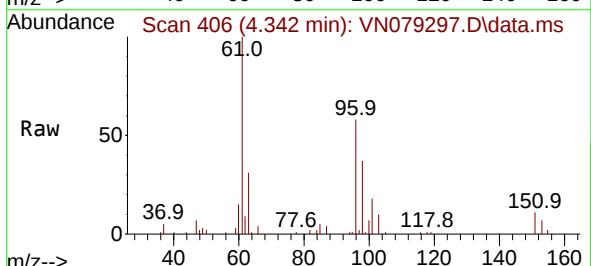
Manual Integrations
APPROVED

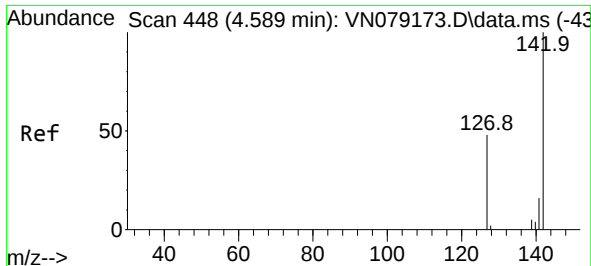
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#10
1,1-Dichloroethene
Concen: 29.861 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

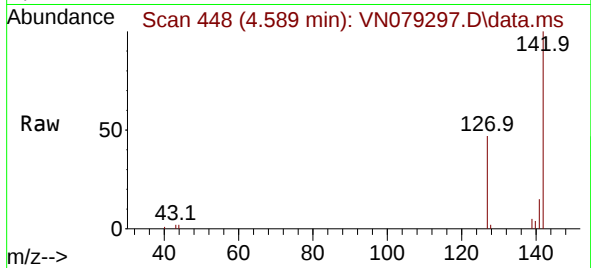
Tgt Ion: 96 Resp: 40784
Ion Ratio Lower Upper
96 100
61 172.4 130.2 195.2
98 64.3 52.3 78.5





#11
Methyl Iodide
Concen: 25.557 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

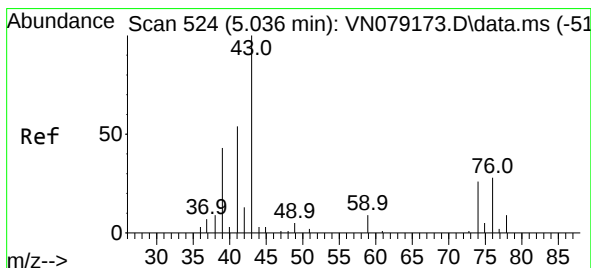
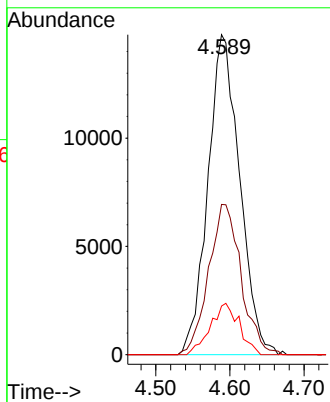
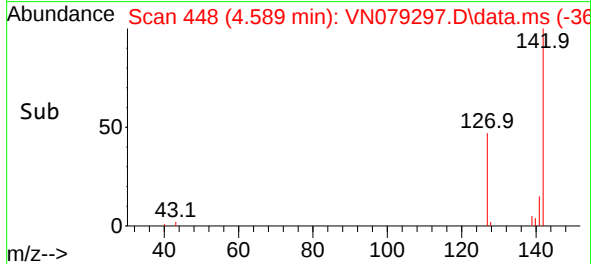
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 43970
Ion Ratio Lower Upper
142 100
127 46.4 23.8 71.4
141 15.2 8.2 24.6

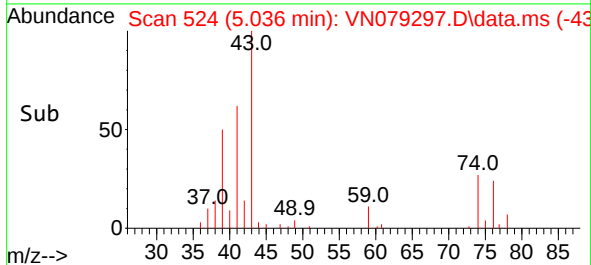
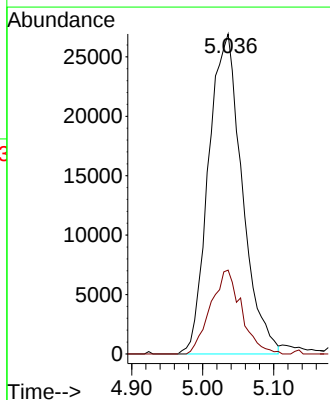
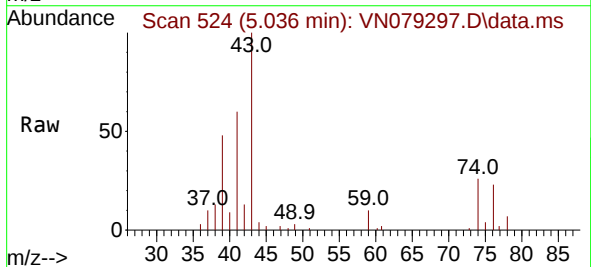
Manual Integrations
APPROVED

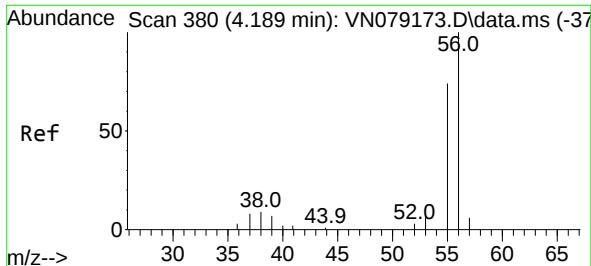
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#12
Methyl Acetate
Concen: 27.785 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

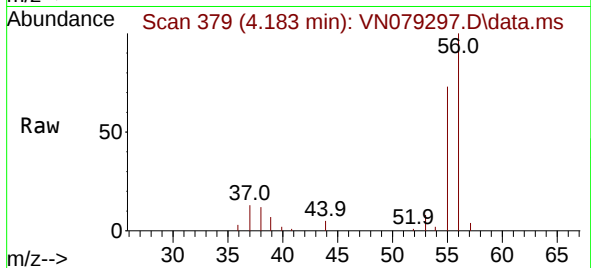
Tgt Ion: 43 Resp: 88437
Ion Ratio Lower Upper
43 100
74 26.1 20.4 30.6





#13
Acrolein
Concen: 141.419 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

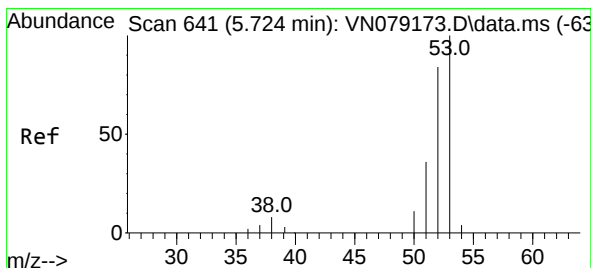
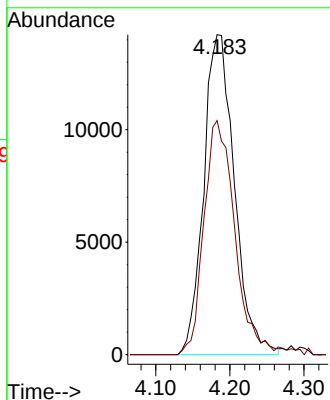
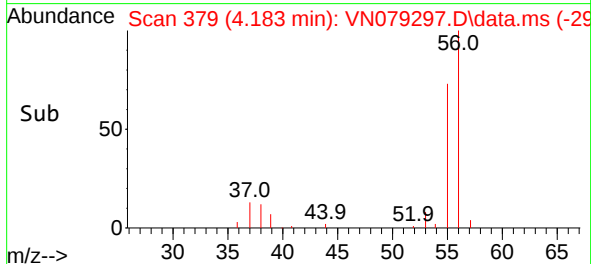
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



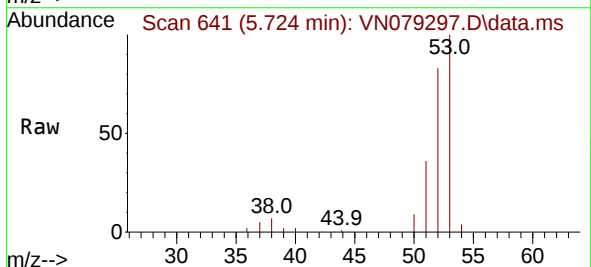
Tgt Ion: 56 Resp: 40990
Ion Ratio Lower Upper
56 100
55 72.8 57.7 86.5

Manual Integrations
APPROVED

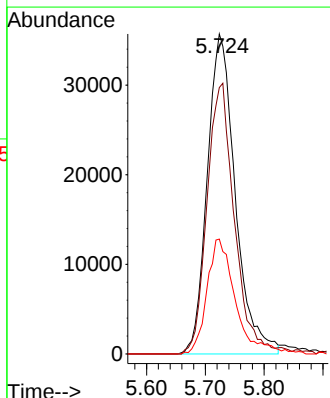
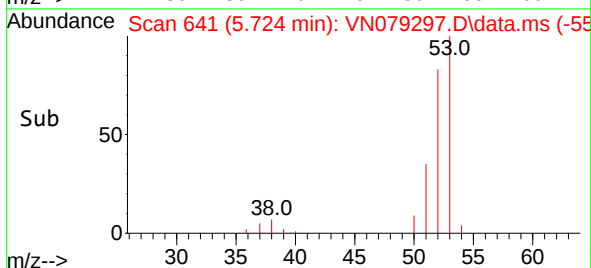
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023

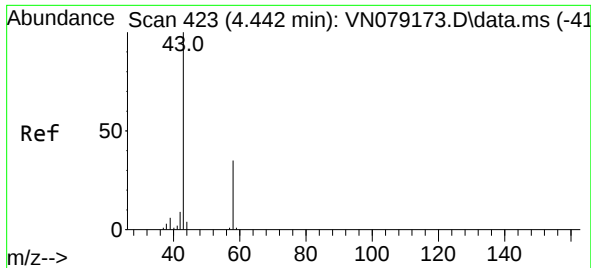


#14
Acrylonitrile
Concen: 126.580 ug/l
RT: 5.724 min Scan# 641
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00



Tgt Ion: 53 Resp: 118202
Ion Ratio Lower Upper
53 100
52 82.1 41.4 124.4
51 36.1 17.3 51.9





#15

Acetone

Concen: 160.116 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.012 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 39004

Ion Ratio Lower Upper

58 100

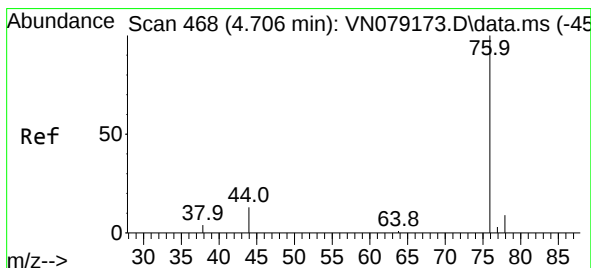
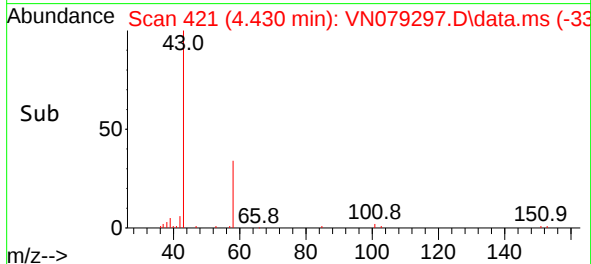
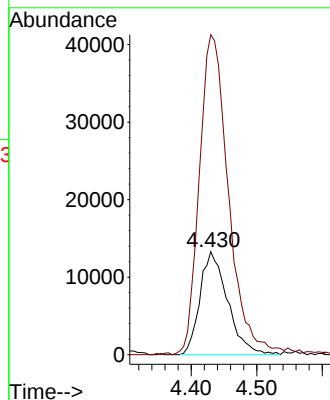
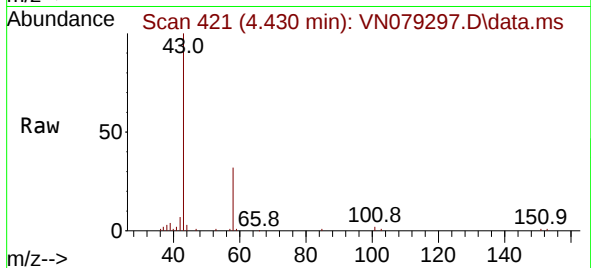
43 306.8 228.3 342.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2023

Supervised By :Mahesh Dadoda 09/20/2023



#16

Carbon Disulfide

Concen: 27.736 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.006 min

Lab File: VN079297.D

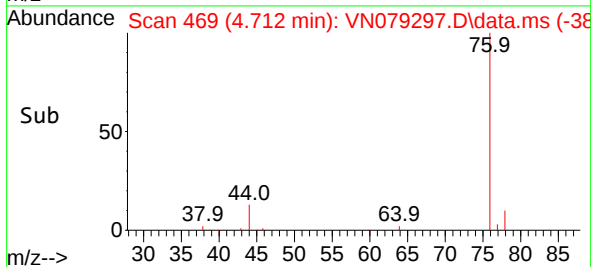
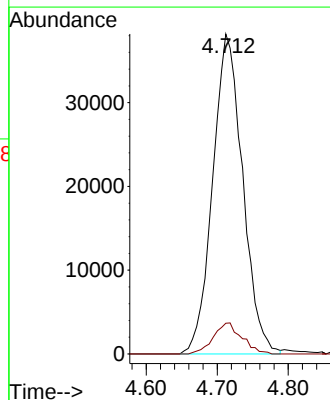
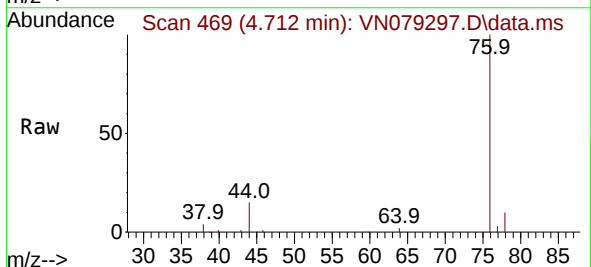
Acq: 19 Sep 2023 11:00

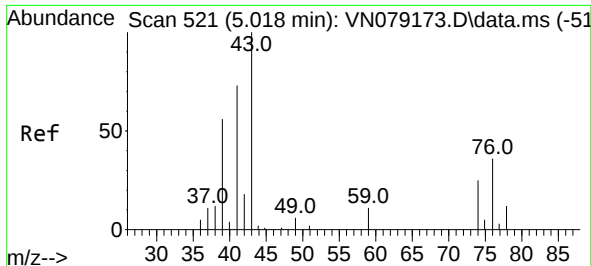
Tgt Ion: 76 Resp: 111936

Ion Ratio Lower Upper

76 100

78 9.6 6.9 10.3





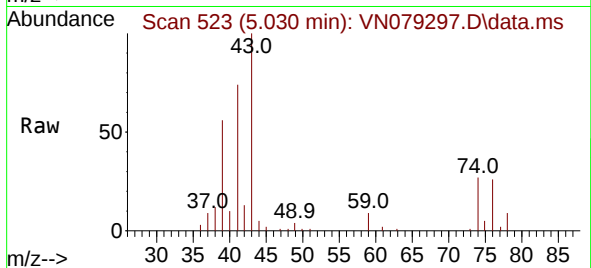
#17
 Allyl chloride
 Concen: 26.565 ug/l
 RT: 5.030 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VN079297.D
 Acq: 19 Sep 2023 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



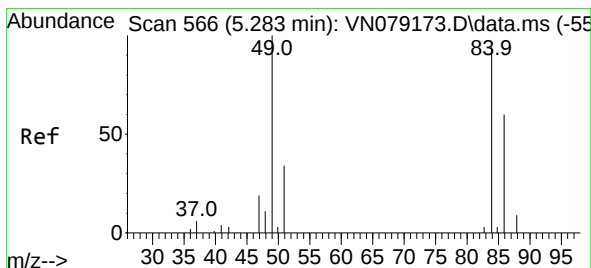
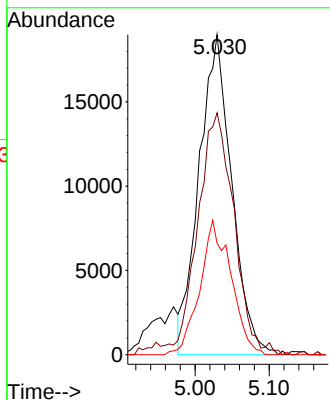
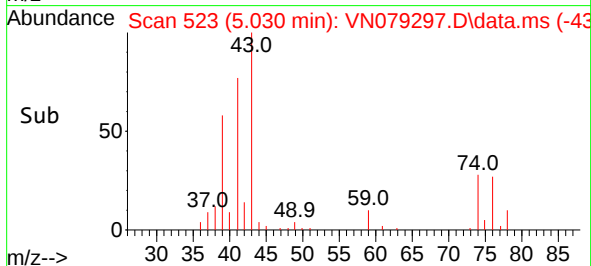
Tgt Ion: 41 Resp: 5830
 Ion Ratio Lower Upper
 41 100
 39 74.1 38.3 114.8
 76 34.8 23.7 71.1

Manual Integrations

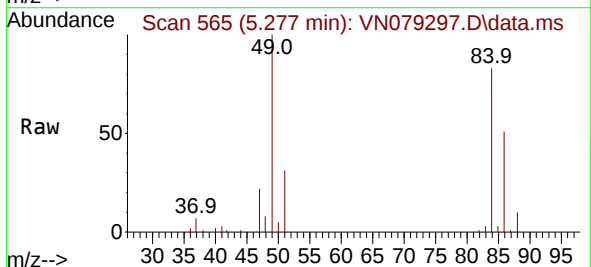
APPROVED

Reviewed By :John Carlone 09/19/2023

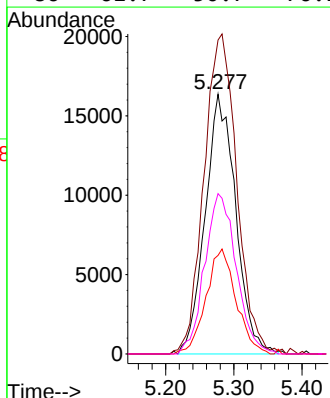
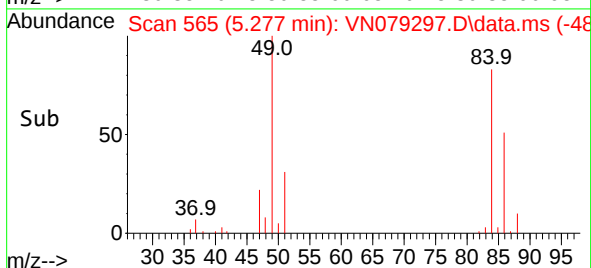
Supervised By :Mahesh Dadoda 09/20/2023

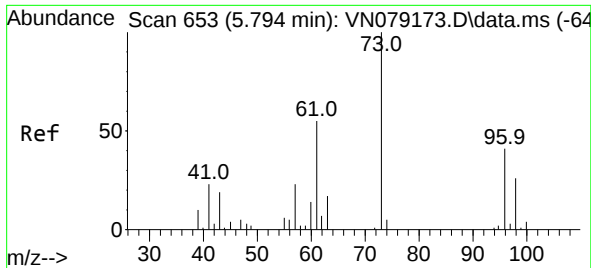


#18
 Methylene Chloride
 Concen: 27.877 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. -0.006 min
 Lab File: VN079297.D
 Acq: 19 Sep 2023 11:00



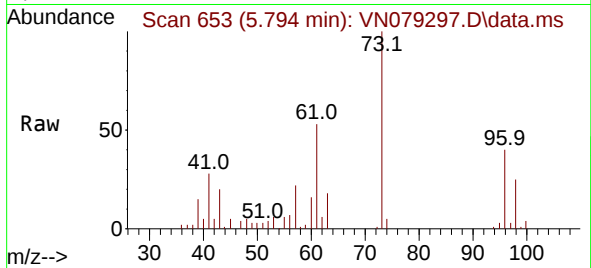
Tgt Ion: 84 Resp: 51067
 Ion Ratio Lower Upper
 84 100
 49 119.6 86.9 130.3
 51 36.9 28.6 43.0
 86 61.7 50.7 76.1





#19
trans-1,2-Dichloroethene
Concen: 26.543 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

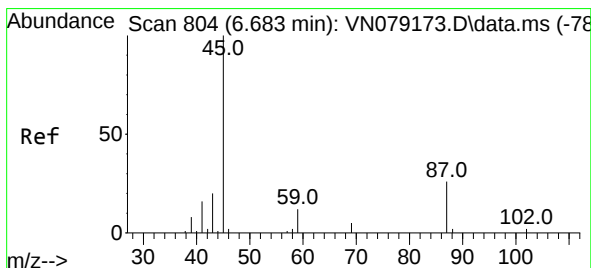
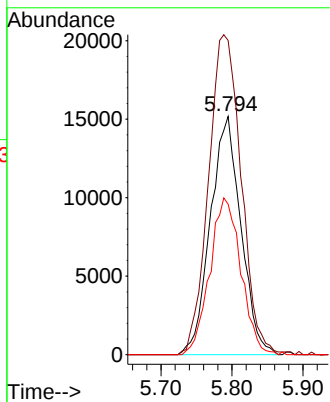
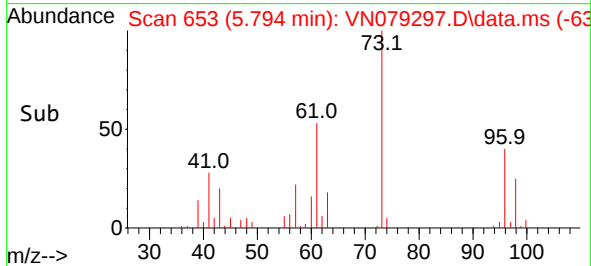
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 4535
Ion Ratio Lower Upper
96 100
61 131.9 106.6 159.8
98 63.2 51.0 76.4

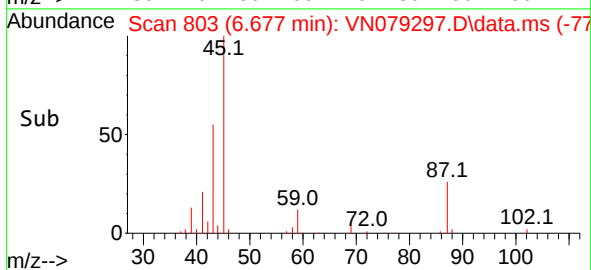
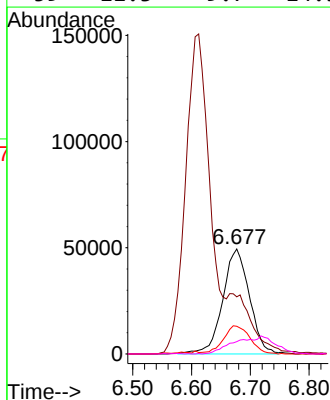
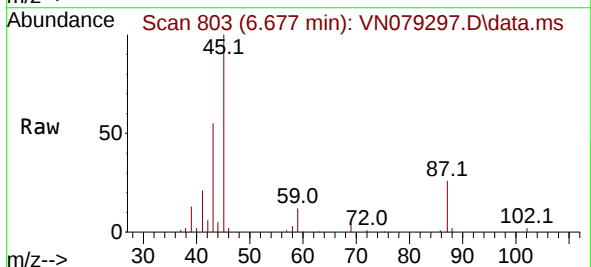
Manual Integrations
APPROVED

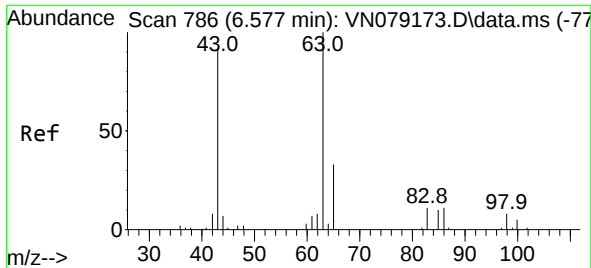
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#20
Diisopropyl ether
Concen: 23.793 ug/l
RT: 6.677 min Scan# 803
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Tgt Ion: 45 Resp: 155887
Ion Ratio Lower Upper
45 100
43 49.5 34.9 52.3
87 26.4 21.5 32.3
59 11.3 9.7 14.5





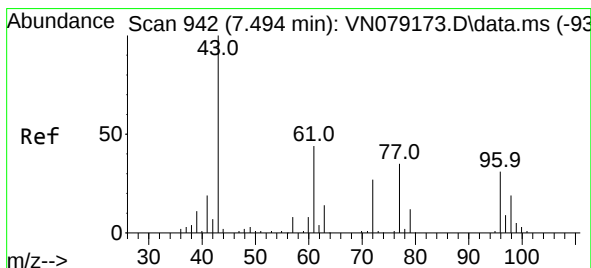
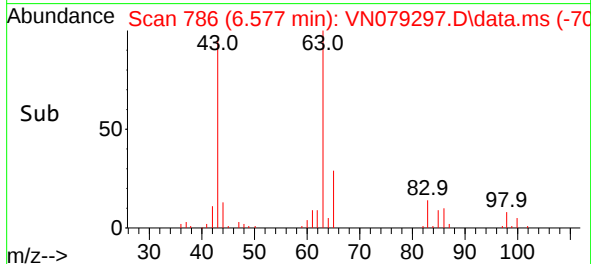
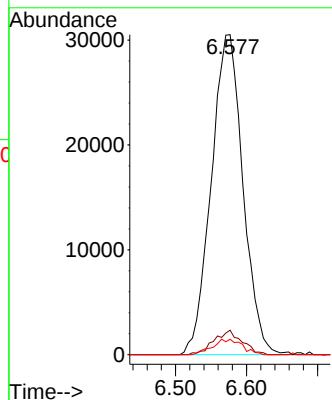
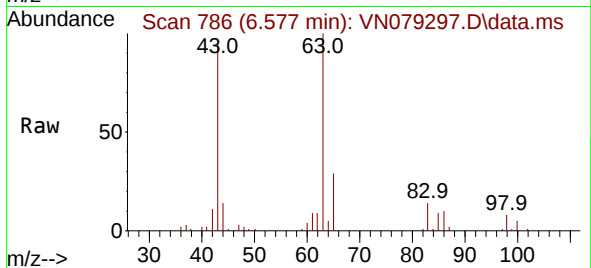
#21
1,1-Dichloroethane
Concen: 24.642 ug/l
RT: 6.577 min Scan# 786
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 94582
Ion Ratio Lower Upper
63 100
98 7.7 3.9 11.5
100 4.8 2.5 7.5

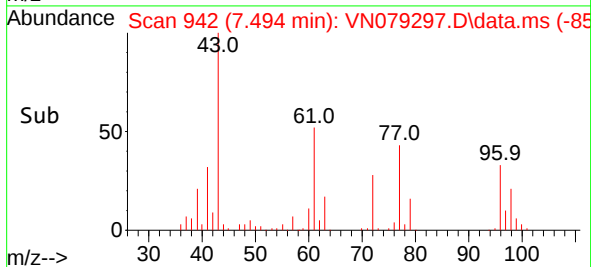
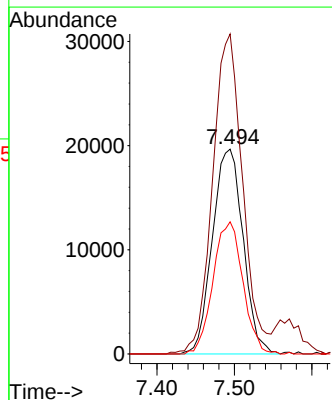
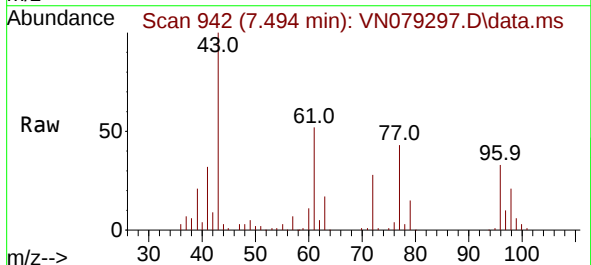
Manual Integrations
APPROVED

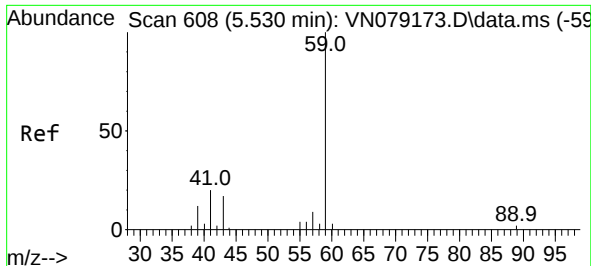
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#22
cis-1,2-Dichloroethene
Concen: 20.272 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Tgt Ion: 96 Resp: 54175
Ion Ratio Lower Upper
96 100
61 152.9 113.0 169.6
98 62.5 50.2 75.4





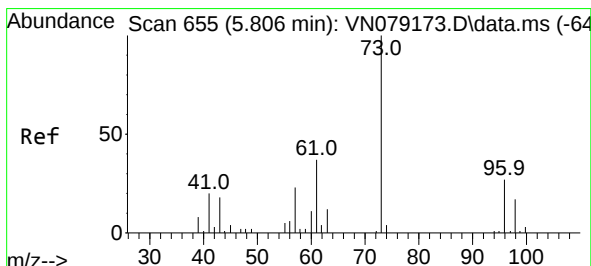
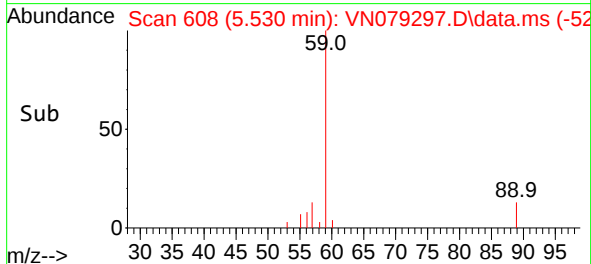
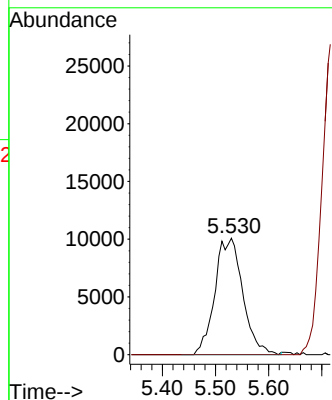
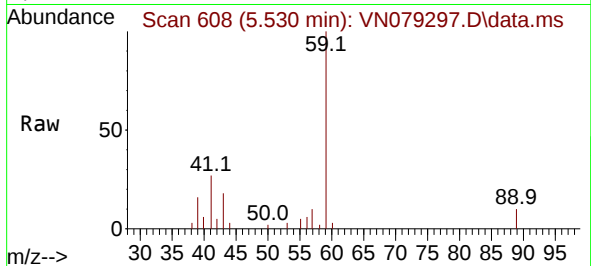
#23
tert-Butyl Alcohol
Concen: 102.575 ug/l m
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 3684
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

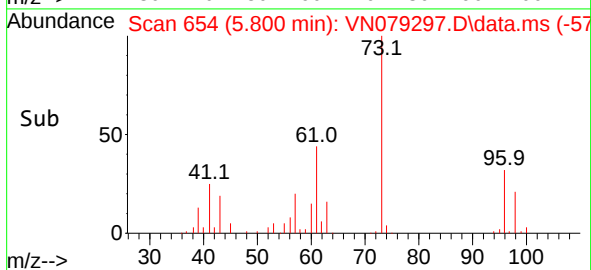
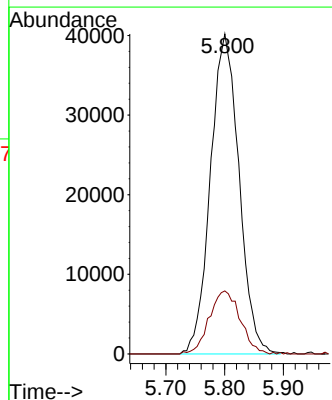
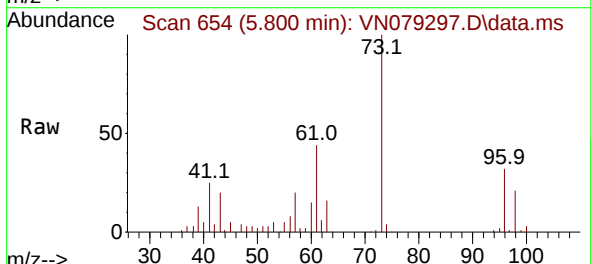
Manual Integrations
APPROVED

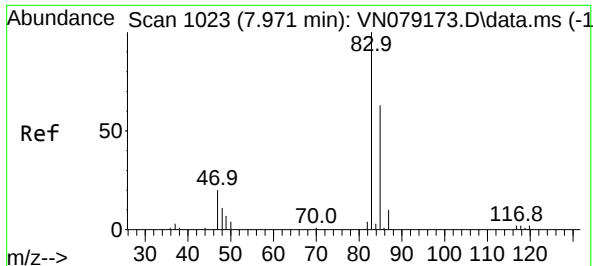
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#24
Methyl tert-Butyl Ether
Concen: 25.191 ug/l
RT: 5.800 min Scan# 654
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Tgt Ion: 73 Resp: 135791
Ion Ratio Lower Upper
73 100
43 21.2 14.7 22.1





#25

Chloroform

Concen: 21.804 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 100920

Ion Ratio Lower Upper

83 100

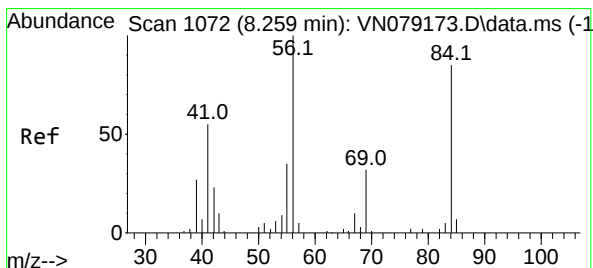
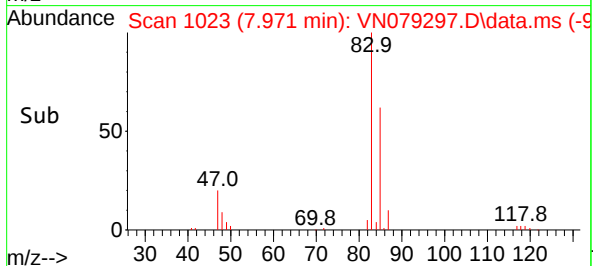
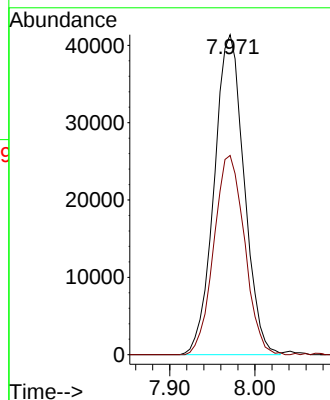
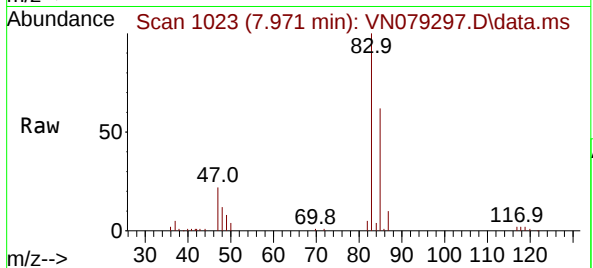
85 62.3 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2023

Supervised By :Mahesh Dadoda 09/20/2023



#26

Cyclohexane

Concen: 19.299 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. -0.000 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

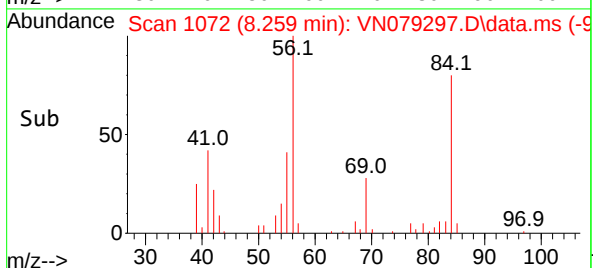
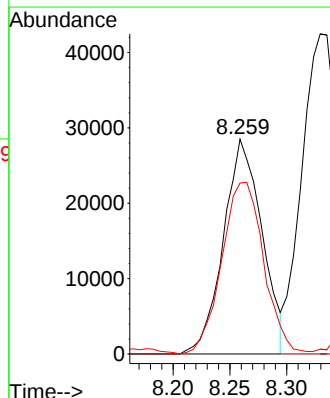
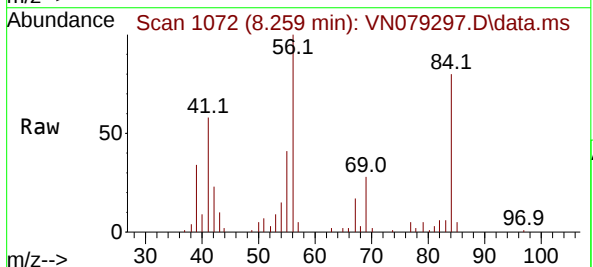
Tgt Ion: 56 Resp: 67171

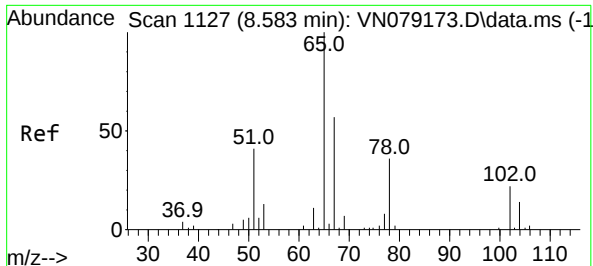
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 87.1 71.1 106.7





#27
1,2-Dichloroethane-d4
Concen: 35.013 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

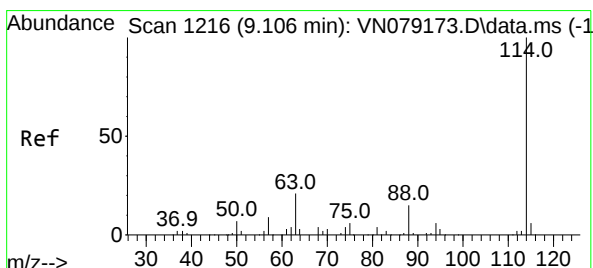
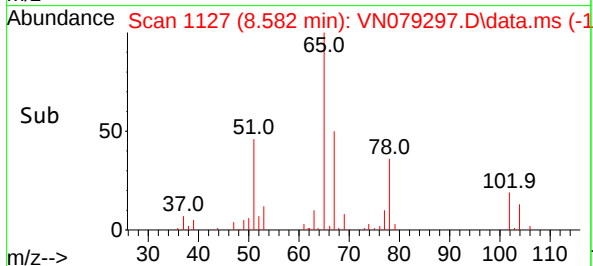
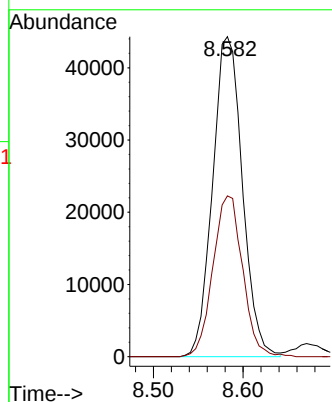
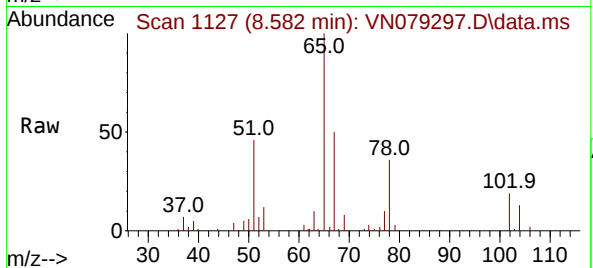
Tgt Ion: 65 Resp: 10214
Ion Ratio Lower Upper
65 100
67 50.1 44.4 66.6

Manual Integrations

APPROVED

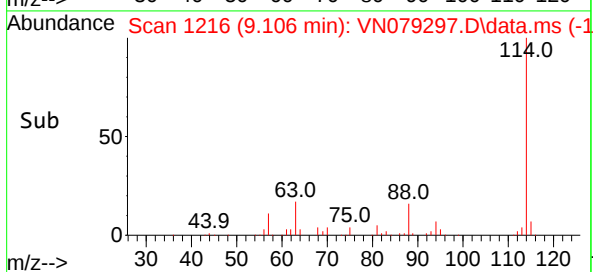
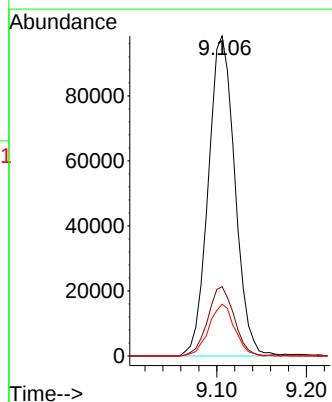
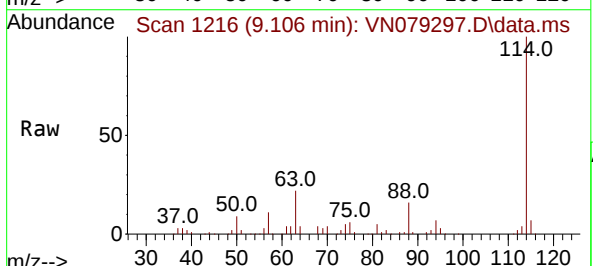
Reviewed By :John Carlone 09/19/2023

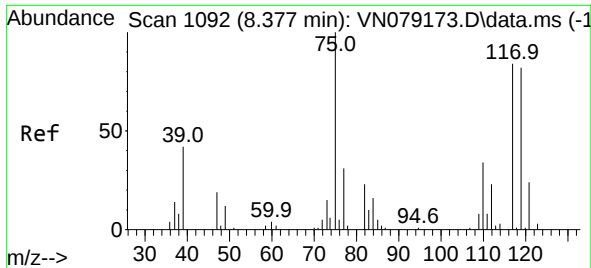
Supervised By :Mahesh Dadoda 09/20/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Tgt Ion:114 Resp: 202403
Ion Ratio Lower Upper
114 100
63 21.5 17.0 25.4
88 15.7 12.8 19.2





#29

1,1-Dichloropropene

Concen: 21.337 ug/l

RT: 8.371 min Scan# 1092

Delta R.T. -0.006 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 69240

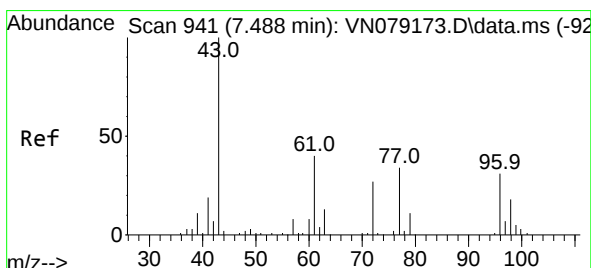
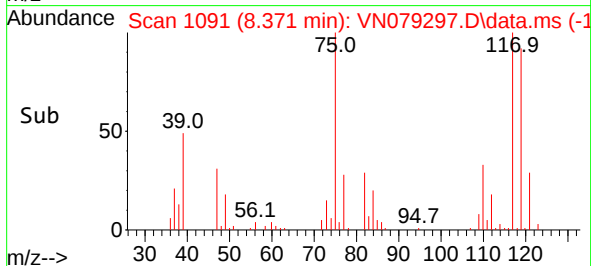
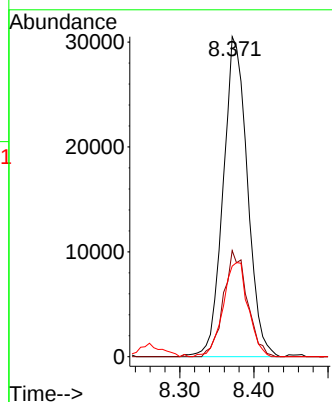
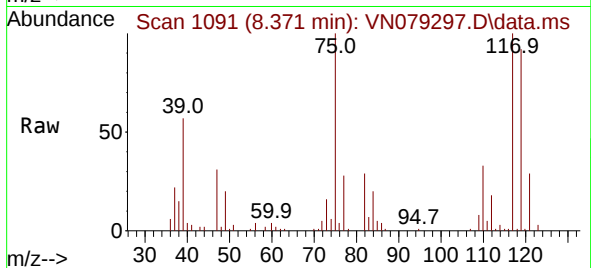
Ion	Ratio	Lower	Upper
75	100		
110	32.5	0.0	68.4
77	30.2	0.0	63.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2023

Supervised By :Mahesh Dadoda 09/20/2023



#30

2-Butanone

Concen: 99.365 ug/l

RT: 7.488 min Scan# 941

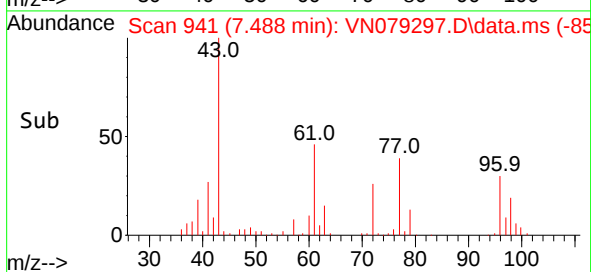
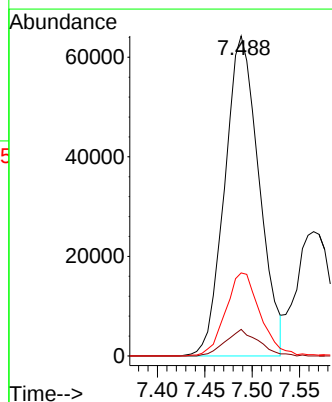
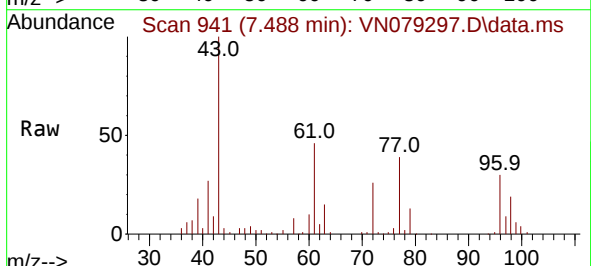
Delta R.T. 0.000 min

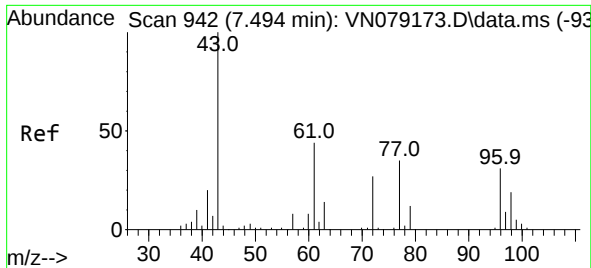
Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Tgt Ion: 43 Resp: 162188

Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.8	10.2
72	26.0	22.4	33.6





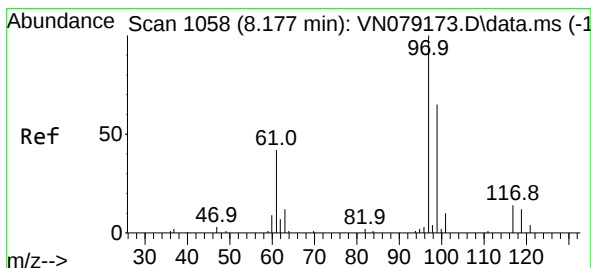
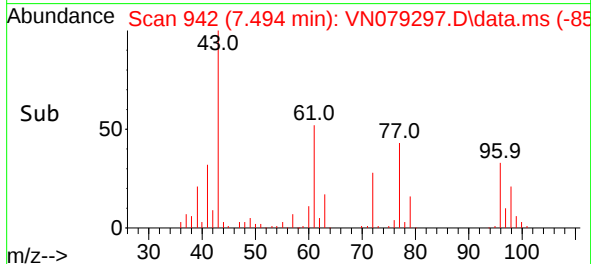
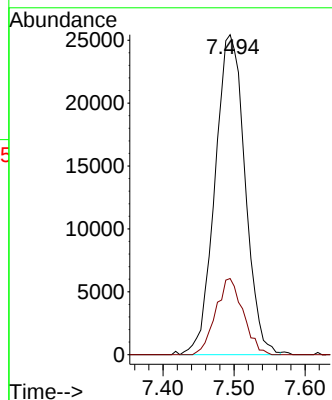
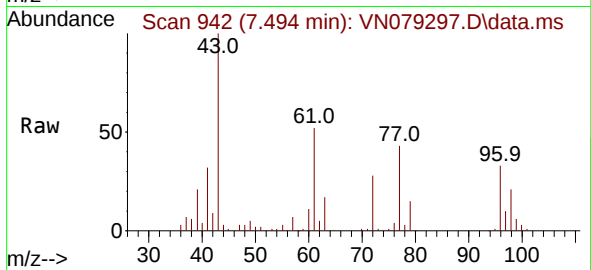
#31
2,2-Dichloropropane
Concen: 23.064 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 7465
Ion Ratio Lower Upper
77 100
97 21.8 17.8 26.8

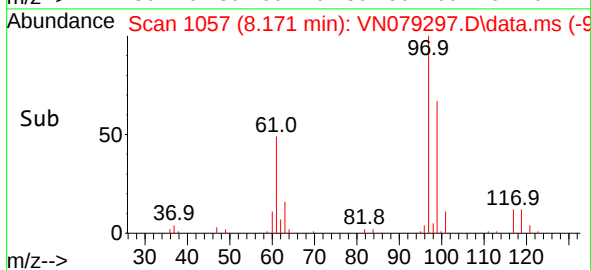
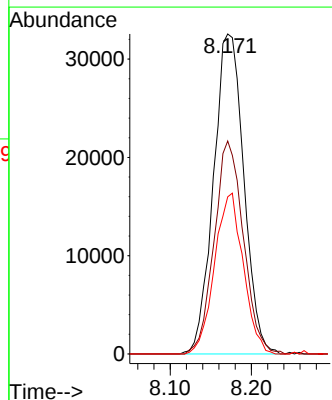
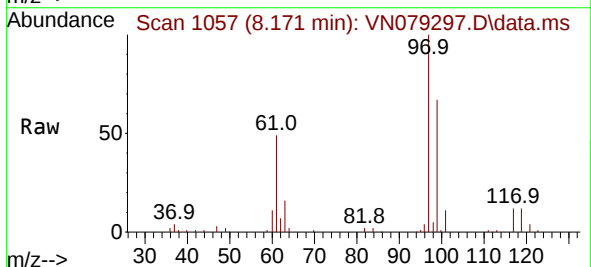
Manual Integrations
APPROVED

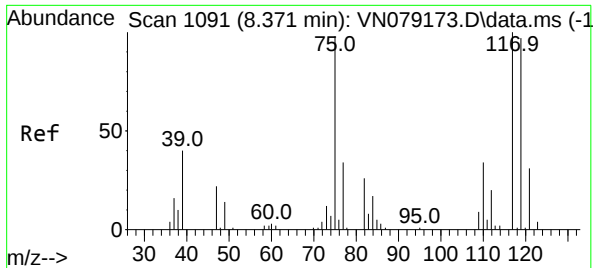
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#32
1,1,1-Trichloroethane
Concen: 22.093 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

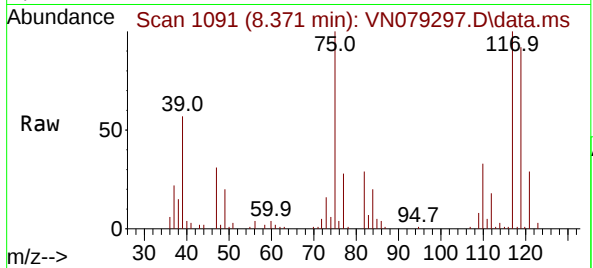
Tgt Ion: 97 Resp: 84466
Ion Ratio Lower Upper
97 100
99 64.0 52.0 78.0
61 47.6 33.4 50.0





#33
Carbon Tetrachloride
Concen: 22.257 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

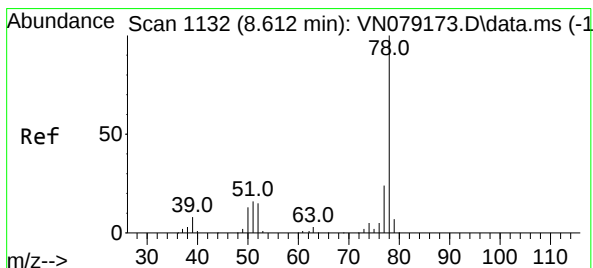
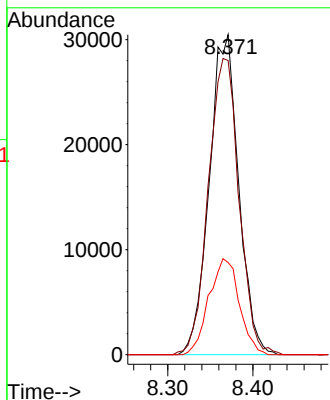
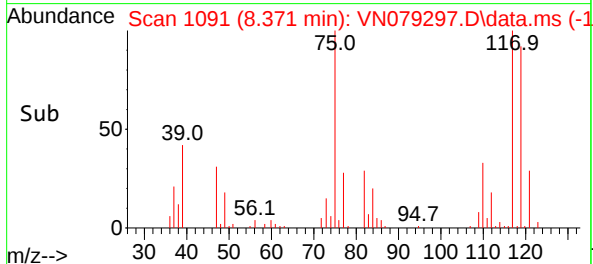
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 7309
Ion Ratio Lower Upper
117 100
119 91.3 77.9 116.9
121 28.8 25.1 37.7

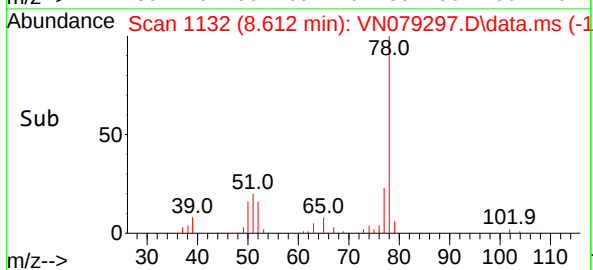
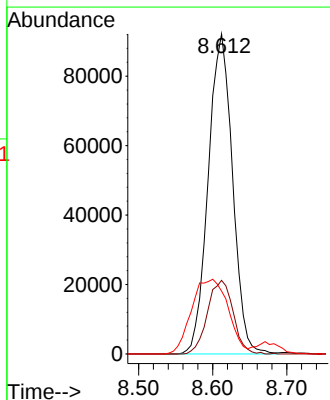
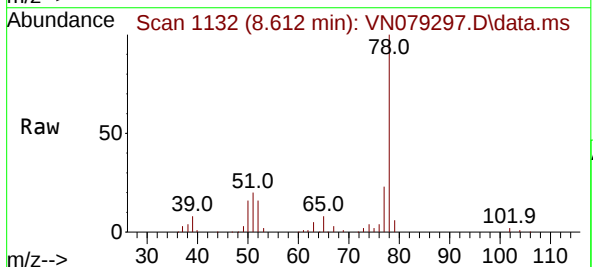
Manual Integrations
APPROVED

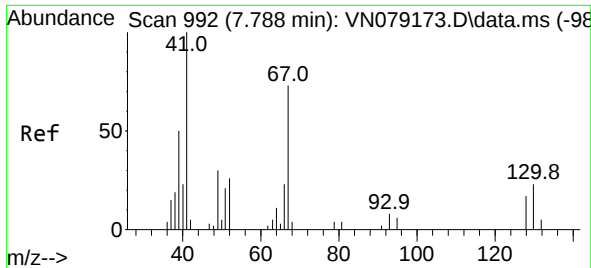
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#34
Benzene
Concen: 20.374 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

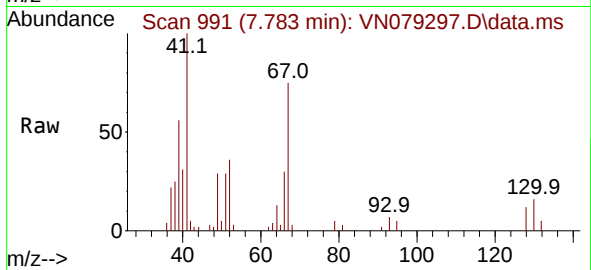
Tgt Ion: 78 Resp: 210062
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3
51 17.2 13.1 19.7





#35
Methacrylonitrile
Concen: 19.625 ug/l
RT: 7.783 min Scan# 991
Delta R.T. -0.005 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

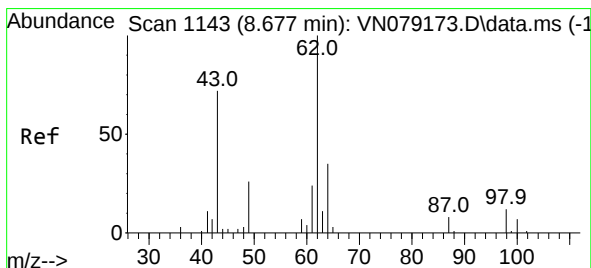
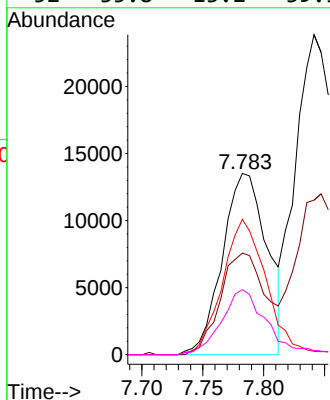
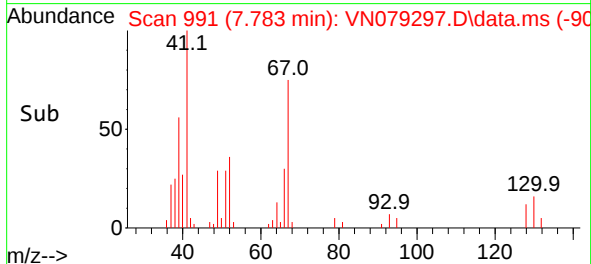
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 41 Resp: 3449
Ion Ratio Lower Upper
41 100
39 56.1 24.9 74.6
67 74.7 36.7 110.1
52 35.8 13.2 39.5

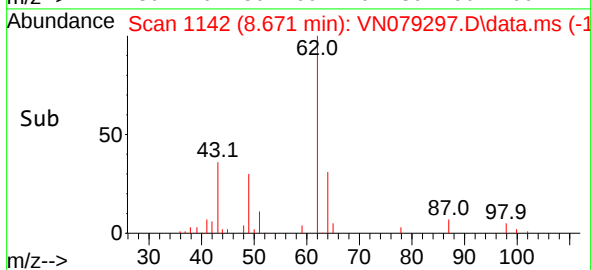
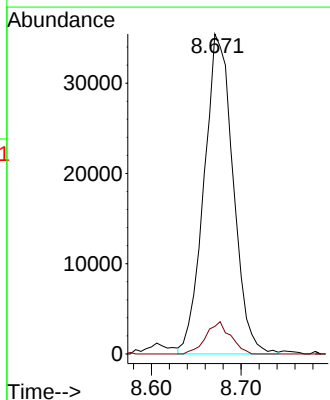
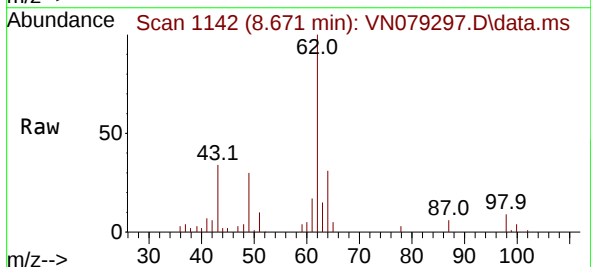
Manual Integrations
APPROVED

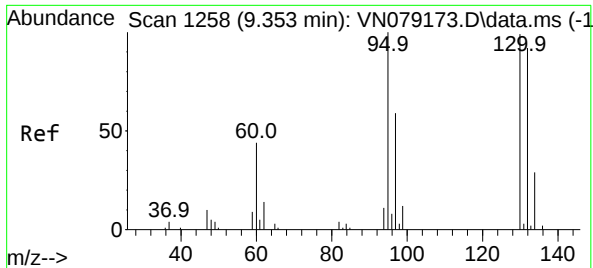
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#36
1,2-Dichloroethane
Concen: 23.480 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Tgt Ion: 62 Resp: 79840
Ion Ratio Lower Upper
62 100
98 8.5 8.2 12.2





#37

Trichloroethene

Concen: 20.323 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 4952

Ion Ratio Lower Upper

130 100

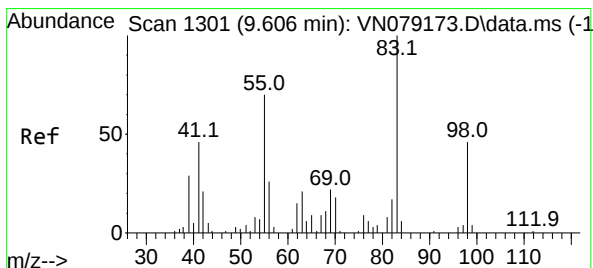
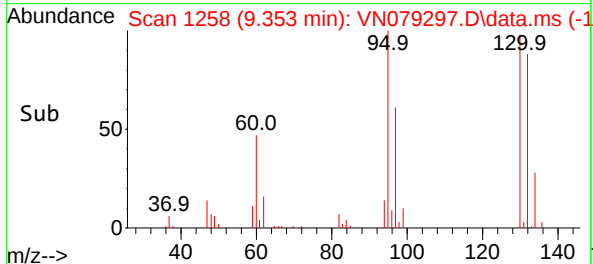
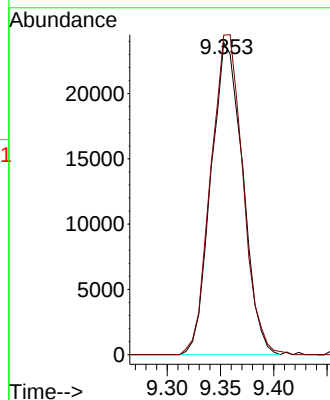
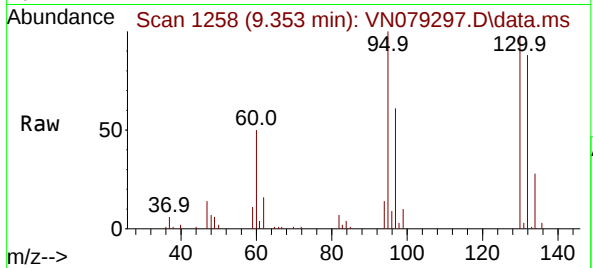
95 102.4 81.0 121.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2023

Supervised By :Mahesh Dadoda 09/20/2023



#38

Methylcyclohexane

Concen: 18.784 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

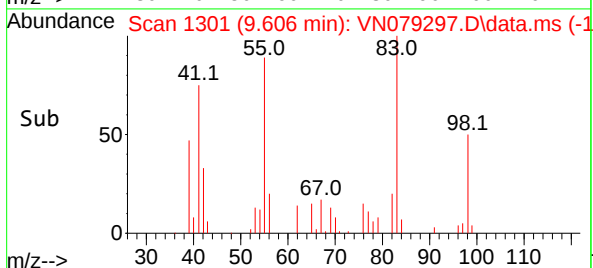
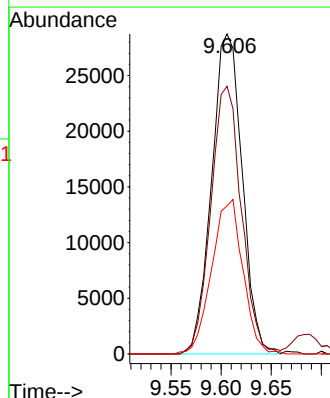
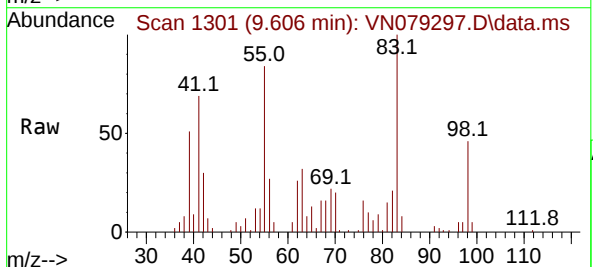
Tgt Ion: 83 Resp: 60939

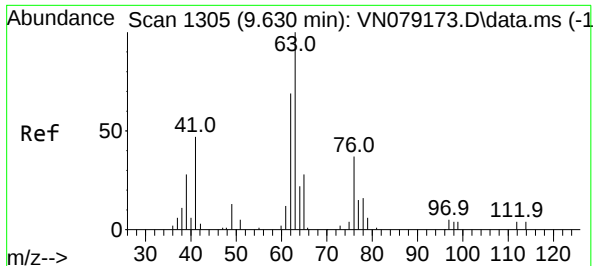
Ion Ratio Lower Upper

83 100

55 83.7 39.1 117.2

98 49.0 24.1 72.4





#39

1,2-Dichloropropane

Concen: 20.620 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. -0.006 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 54840

Ion Ratio Lower Upper

63 100

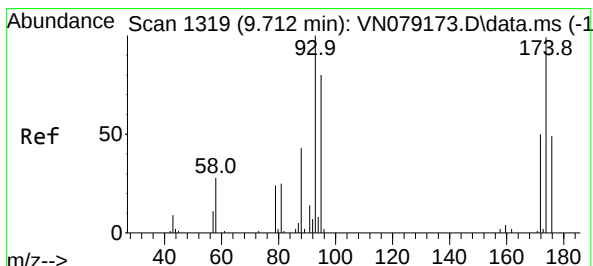
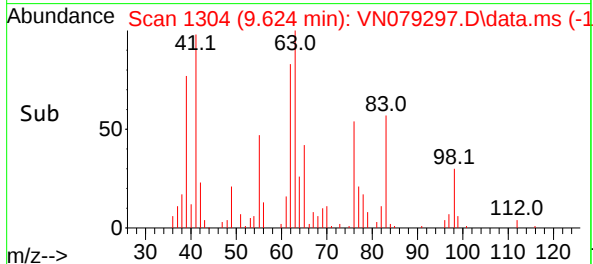
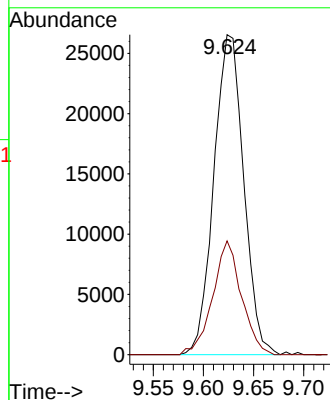
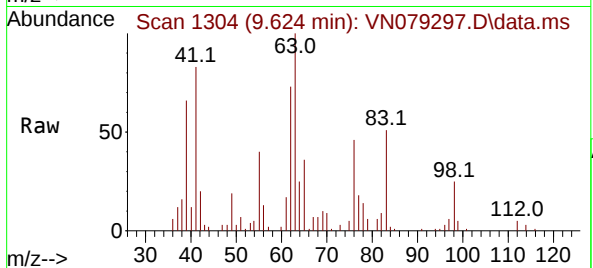
65 35.6 23.4 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2023

Supervised By :Mahesh Dadoda 09/20/2023



#40

Dibromomethane

Concen: 21.680 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

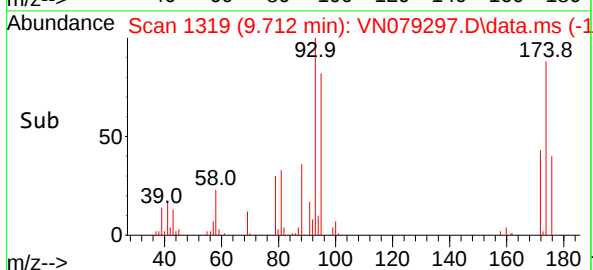
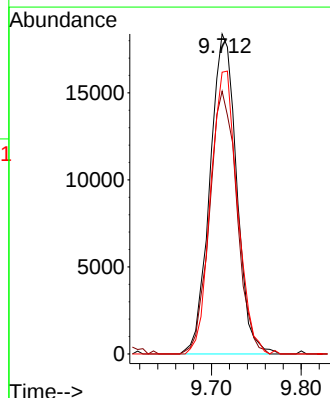
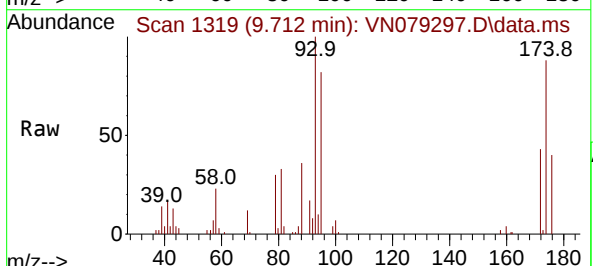
Tgt Ion: 93 Resp: 38025

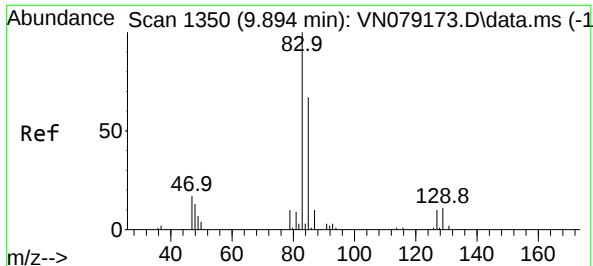
Ion Ratio Lower Upper

93 100

95 83.8 0.0 172.4

174 88.3 0.0 192.4





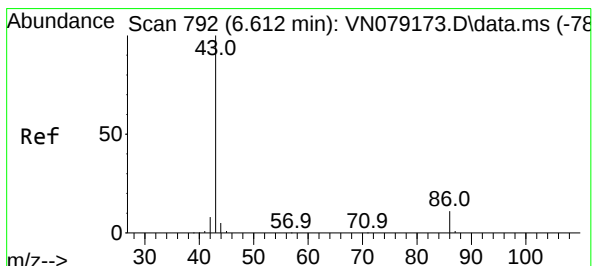
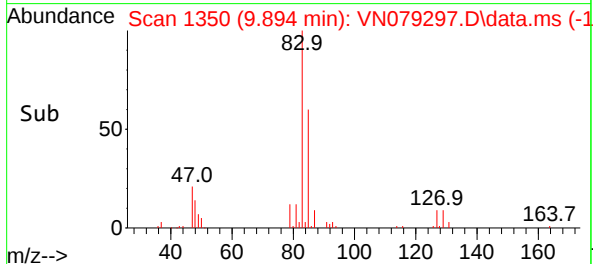
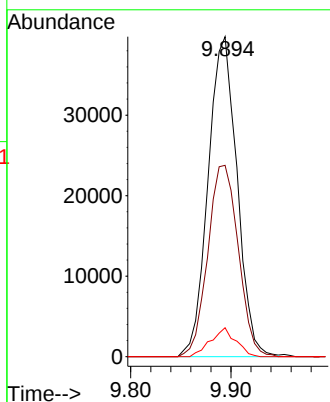
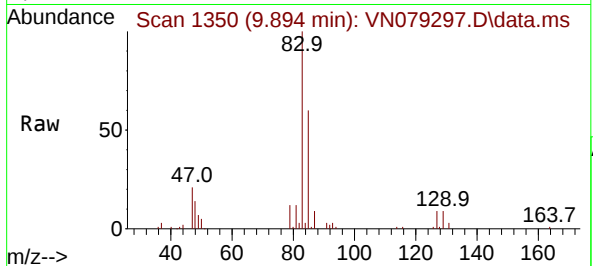
#41
Bromodichloromethane
Concen: 22.793 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 79692
Ion Ratio Lower Upper
83 100
85 59.8 53.4 80.2
127 9.0 8.3 12.5

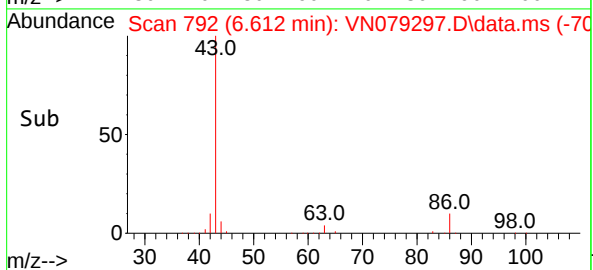
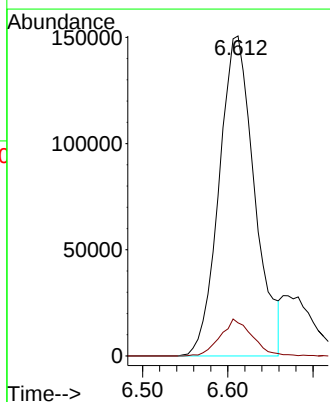
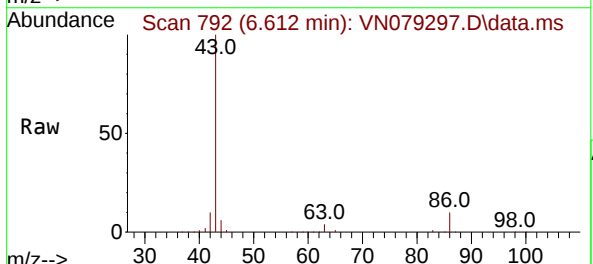
Manual Integrations
APPROVED

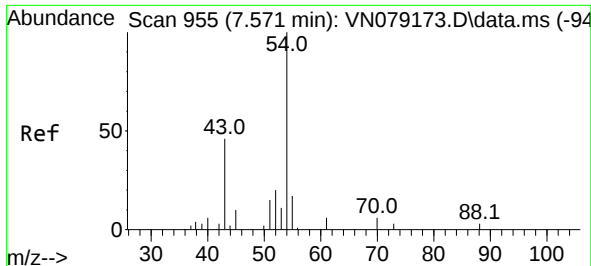
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#42
Vinyl Acetate
Concen: 112.455 ug/l
RT: 6.612 min Scan# 792
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Tgt Ion: 43 Resp: 435918
Ion Ratio Lower Upper
43 100
86 10.4 9.2 13.8





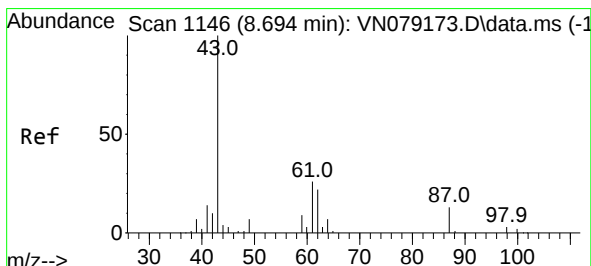
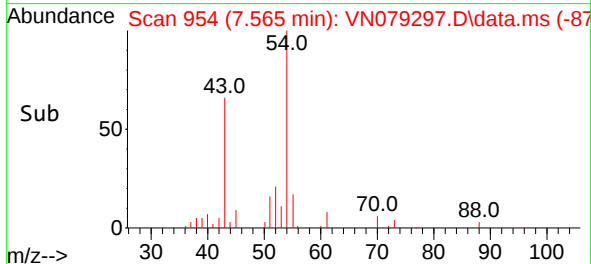
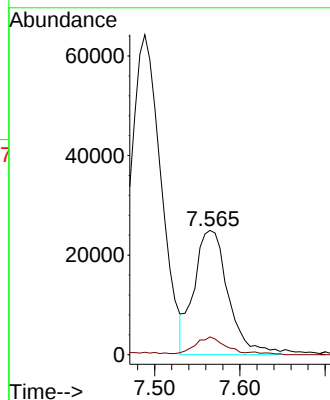
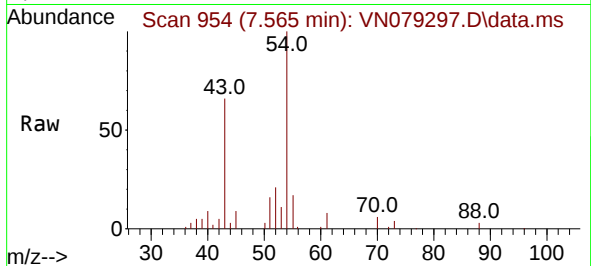
#43
Ethyl Acetate
Concen: 22.449 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 6959
Ion Ratio Lower Upper
43 100
45 12.5 11.1 16.7

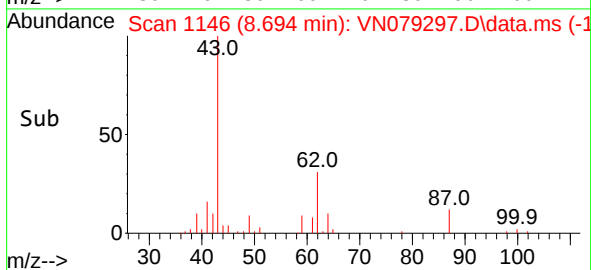
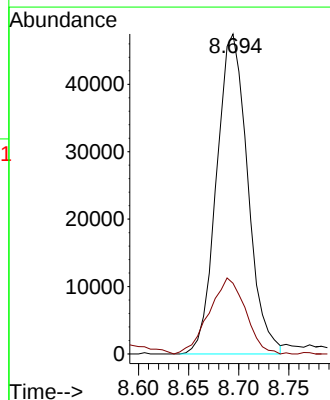
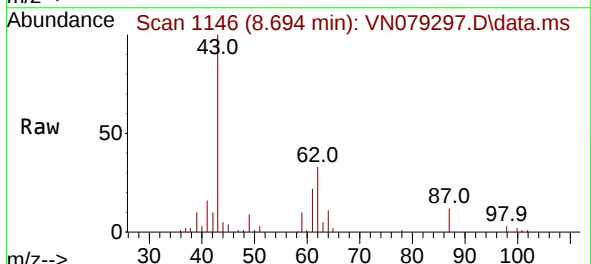
Manual Integrations
APPROVED

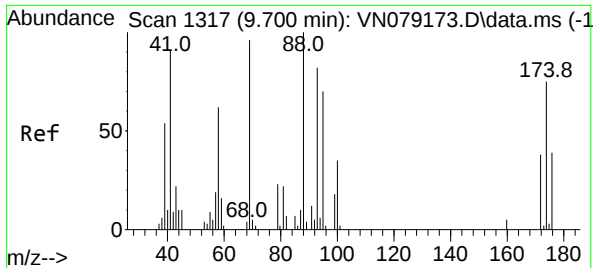
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#44
Isopropyl Acetate
Concen: 18.349 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Tgt Ion: 43 Resp: 102321
Ion Ratio Lower Upper
43 100
61 27.6 22.6 33.8





#45

1,4-Dioxane

Concen: 332.997 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 88 Resp: 18484

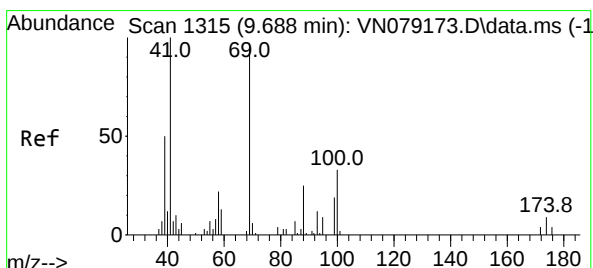
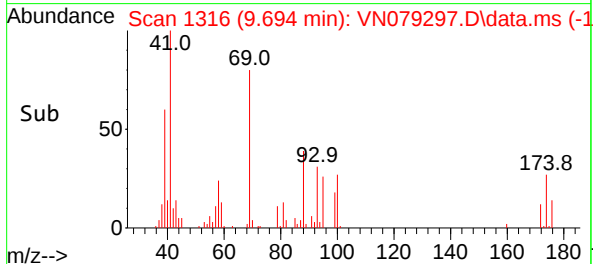
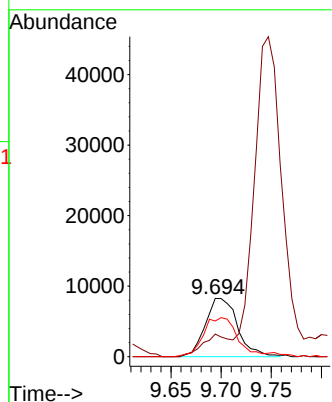
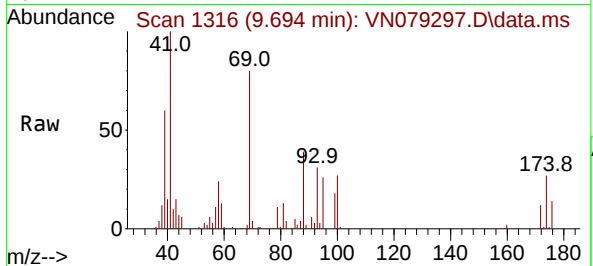
Ion	Ratio	Lower	Upper
88	100		
43	33.1	19.9	29.9
58	30.8	58.0	87.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2023

Supervised By :Mahesh Dadoda 09/20/2023



#46

Methyl methacrylate

Concen: 19.615 ug/l

RT: 9.688 min Scan# 1315

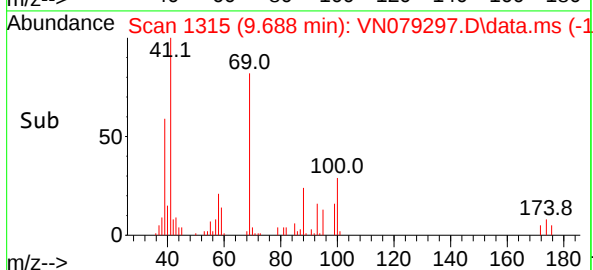
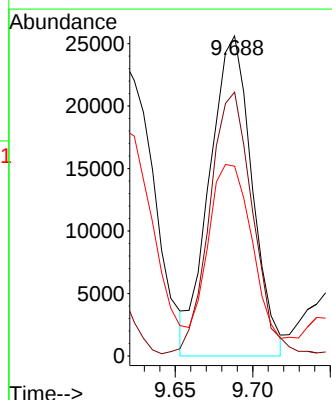
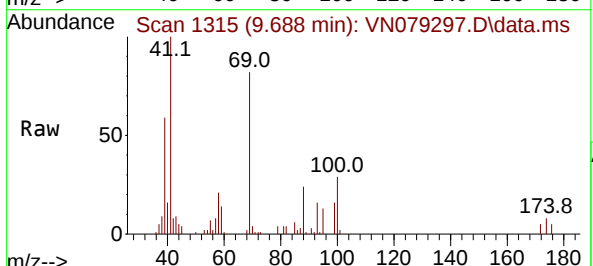
Delta R.T. 0.000 min

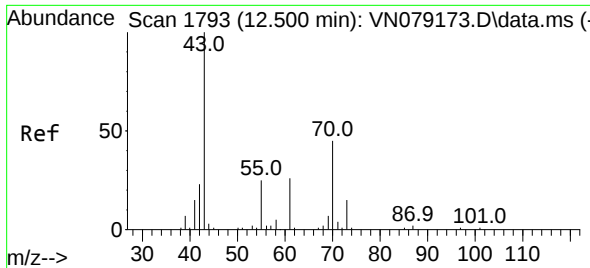
Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Tgt Ion: 41 Resp: 48869

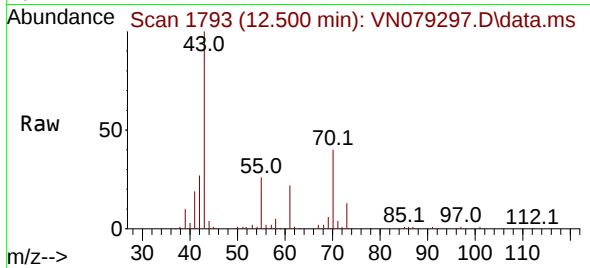
Ion	Ratio	Lower	Upper
41	100		
69	85.8	48.1	144.3
39	57.5	25.8	77.3





#47
n-amyl acetate
Concen: 19.746 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

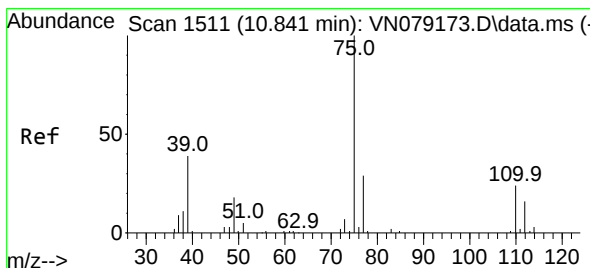
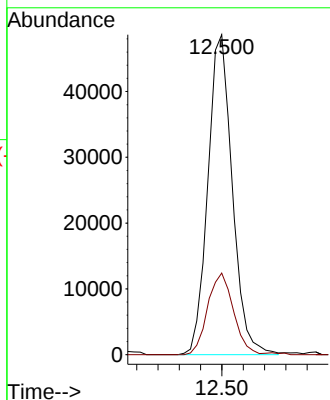
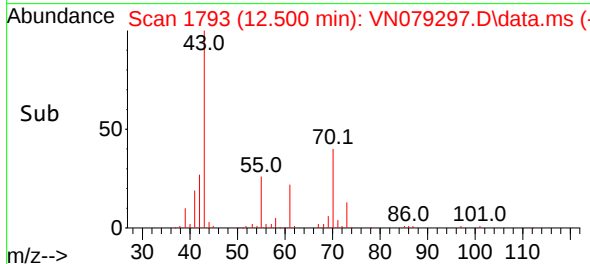
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 7744
Ion Ratio Lower Upper
43 100
55 26.8 20.5 30.7

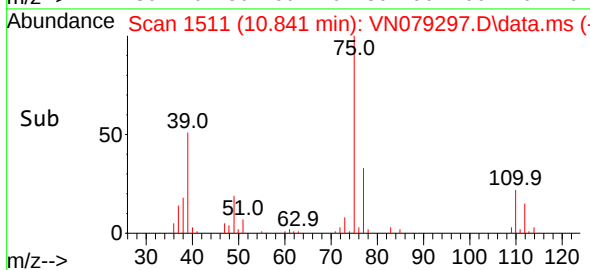
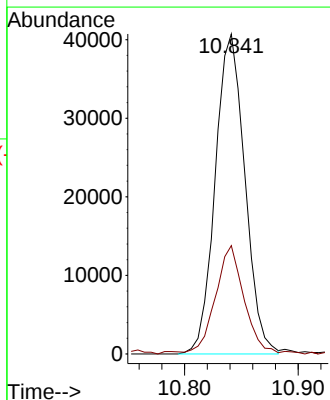
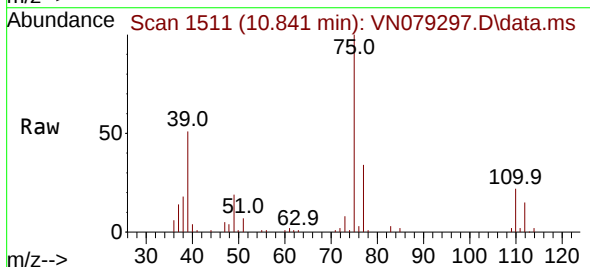
Manual Integrations
APPROVED

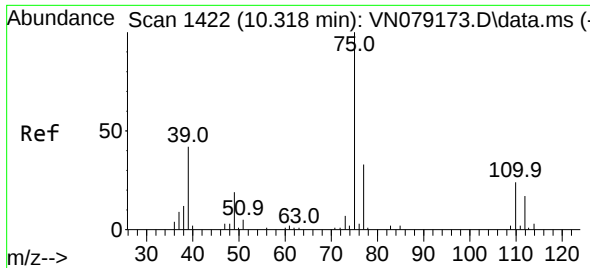
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#48
t-1,3-Dichloropropene
Concen: 19.512 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

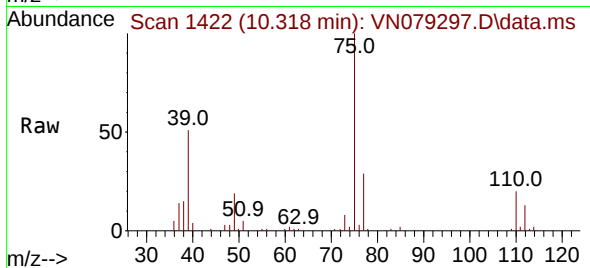
Tgt Ion: 75 Resp: 73805
Ion Ratio Lower Upper
75 100
77 33.4 22.9 34.3





#49
cis-1,3-Dichloropropene
Concen: 21.217 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

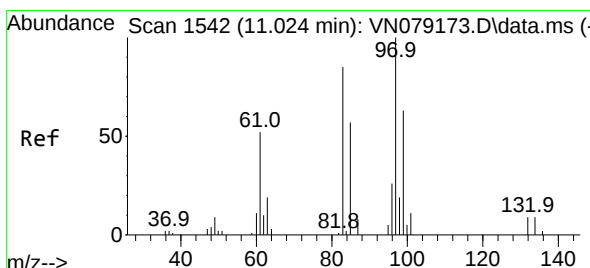
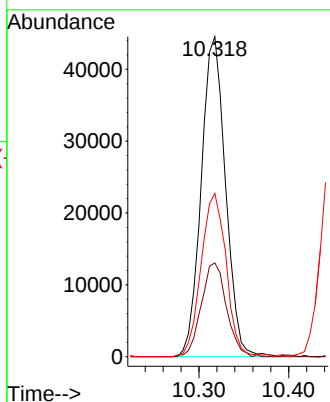
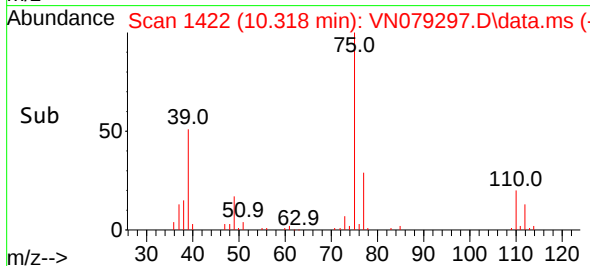
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 83710
Ion Ratio Lower Upper
75 100
77 29.3 26.2 39.2
39 50.5 33.8 50.8

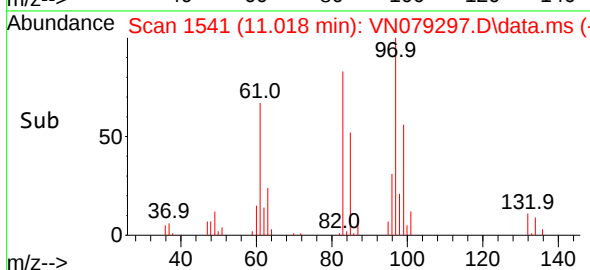
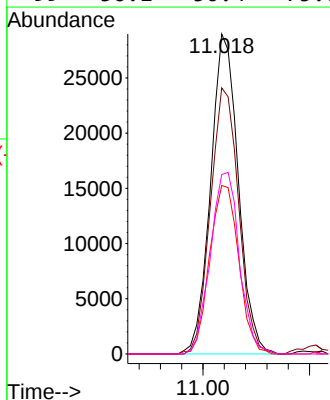
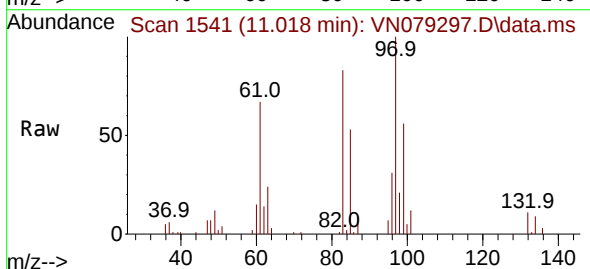
Manual Integrations
APPROVED

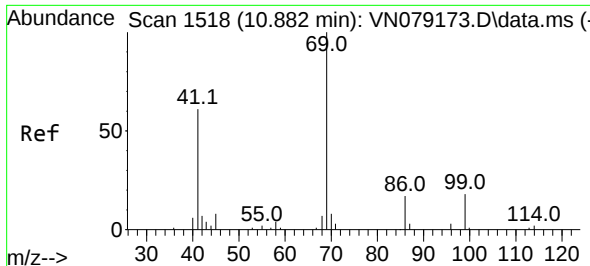
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#50
1,1,2-Trichloroethane
Concen: 21.248 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

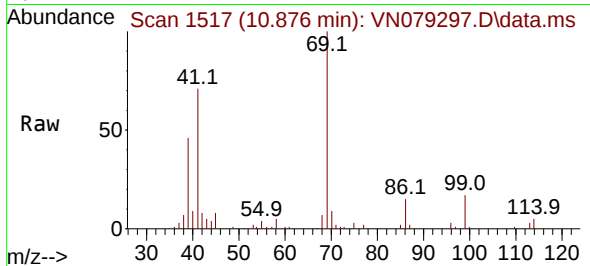
Tgt Ion: 97 Resp: 52280
Ion Ratio Lower Upper
97 100
83 83.2 68.9 103.3
85 52.6 45.3 67.9
99 56.1 50.4 75.6





#51
Ethyl methacrylate
Concen: 17.825 ug/l m
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

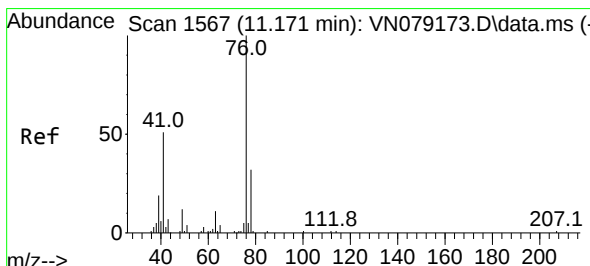
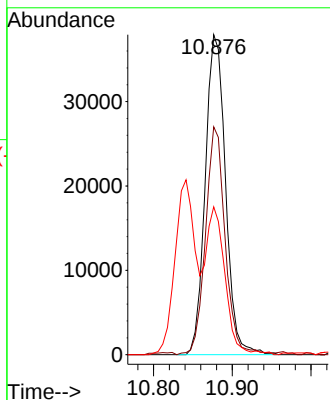
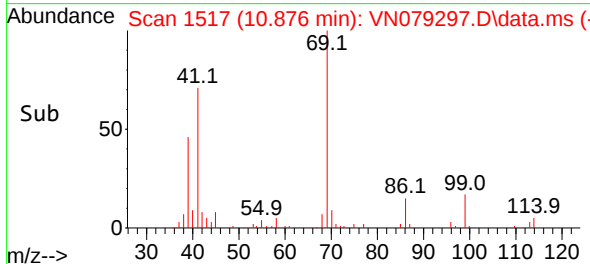
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 67735
Ion Ratio Lower Upper
69 100
41 71.2 30.3 90.9
39 46.2 13.4 40.1

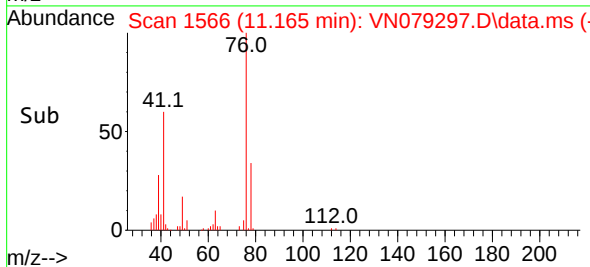
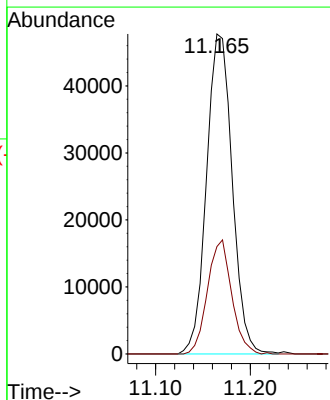
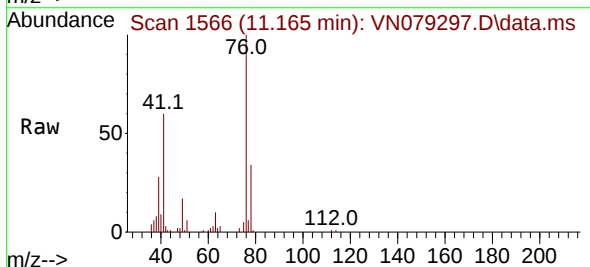
Manual Integrations
APPROVED

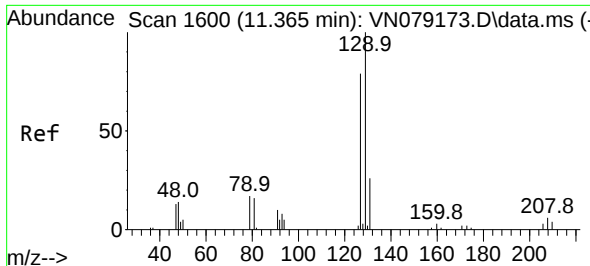
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#52
1,3-Dichloropropane
Concen: 21.442 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

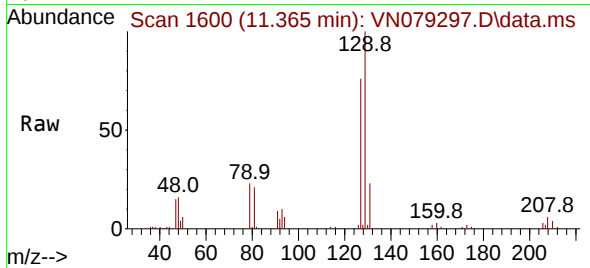
Tgt Ion: 76 Resp: 90071
Ion Ratio Lower Upper
76 100
78 33.3 0.0 64.2





#53
Dibromochloromethane
Concen: 20.400 ug/l
RT: 11.365 min Scan# 11365
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

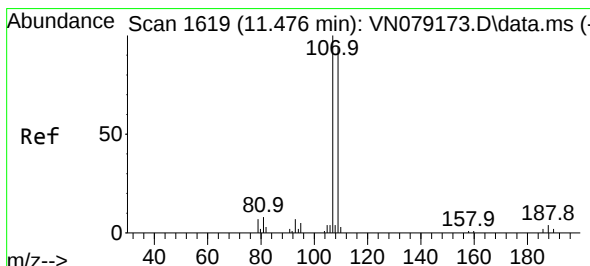
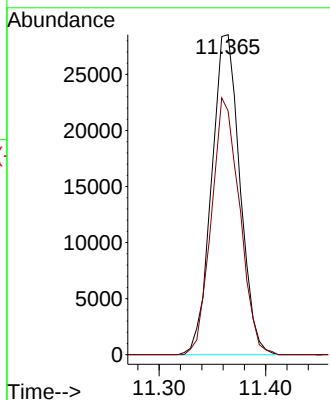
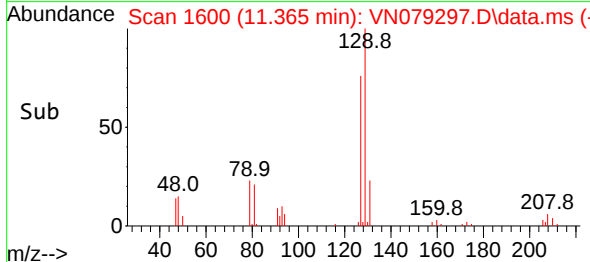
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



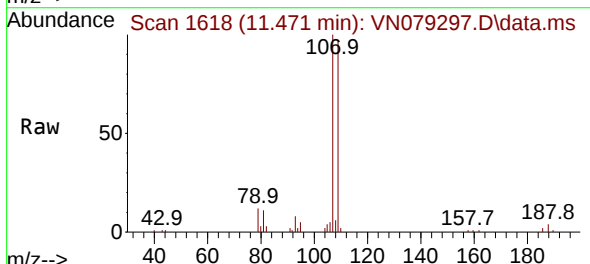
Tgt Ion:129 Resp: 52644
Ion Ratio Lower Upper
129 100
127 80.1 38.7 116.1

Manual Integrations
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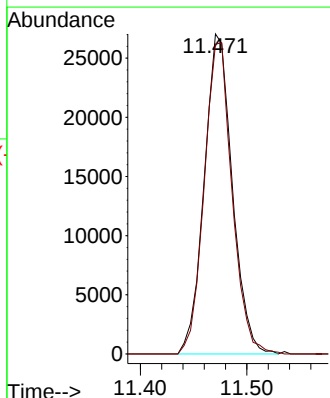
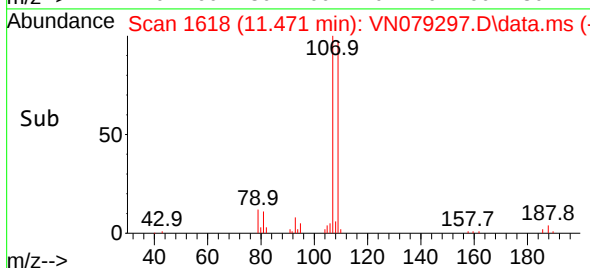
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023

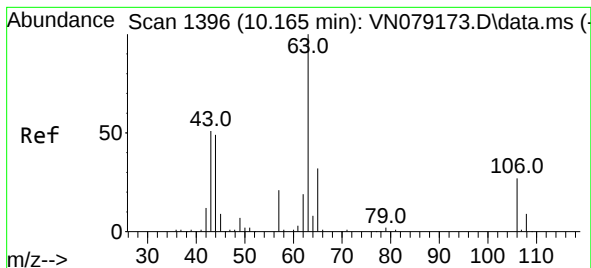


#54
1,2-Dibromoethane
Concen: 19.858 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. -0.005 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00



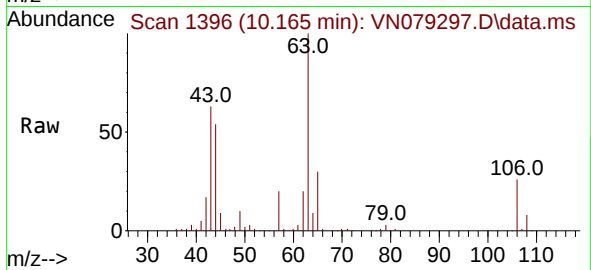
Tgt Ion:107 Resp: 49616
Ion Ratio Lower Upper
107 100
109 96.3 76.4 114.6





#55
2-Chloroethyl vinyl ether
Concen: 84.506 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

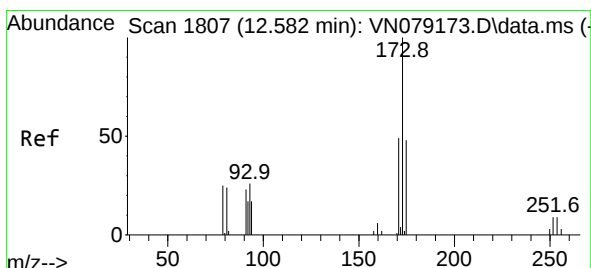
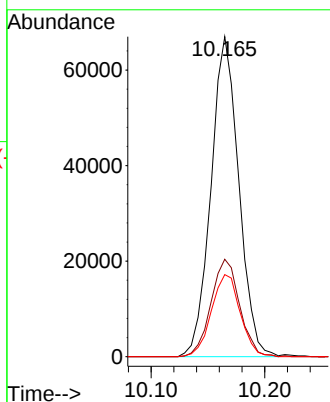
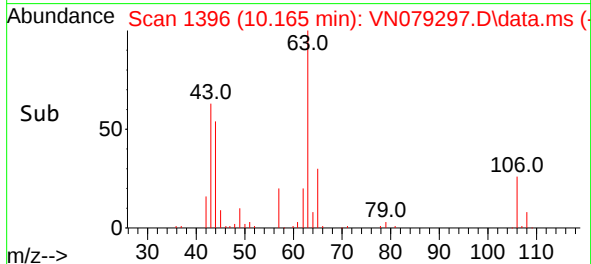
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 11410
Ion Ratio Lower Upper
63 100
65 31.2 25.7 38.5
106 26.6 21.9 32.9

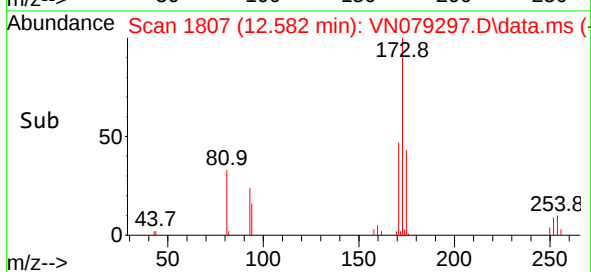
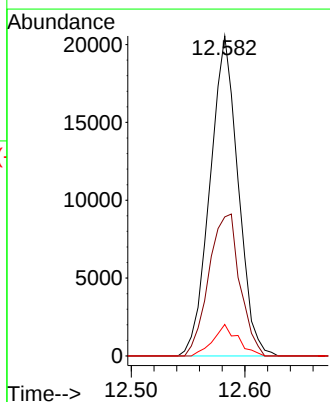
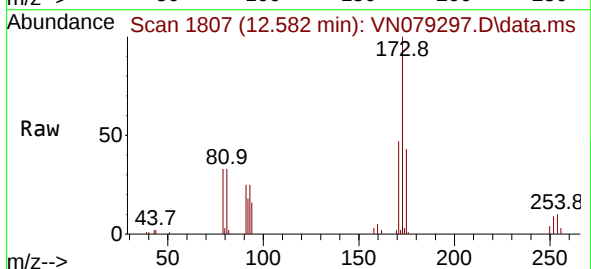
Manual Integrations
APPROVED

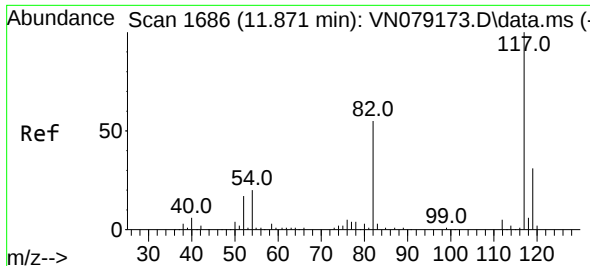
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#56
Bromoform
Concen: 19.674 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

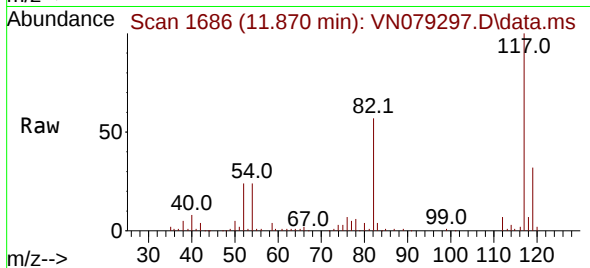
Tgt Ion:173 Resp: 35378
Ion Ratio Lower Upper
173 100
175 48.9 37.6 56.4
254 8.7 7.8 11.8





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 118807
Delta R.T. -0.001 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

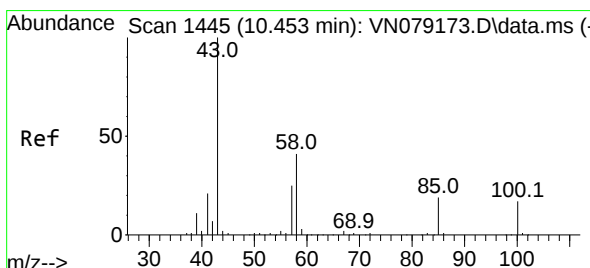
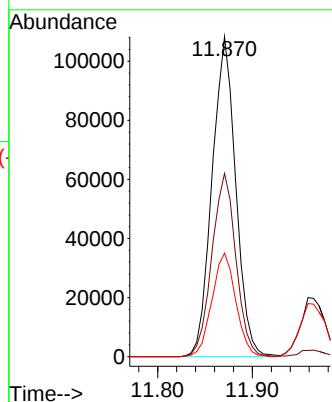
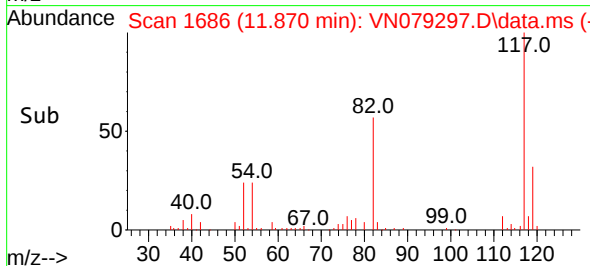
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



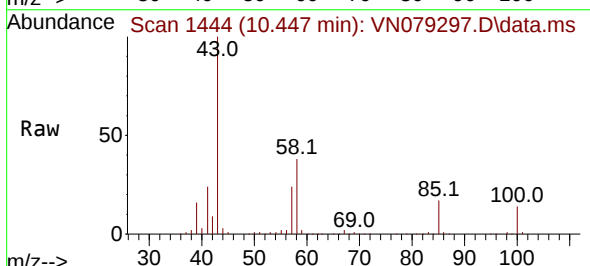
Tgt Ion:117 Resp: 18807
Ion Ratio Lower Upper
117 100
82 58.2 44.7 67.1
119 32.6 24.9 37.3

Manual Integrations
APPROVED

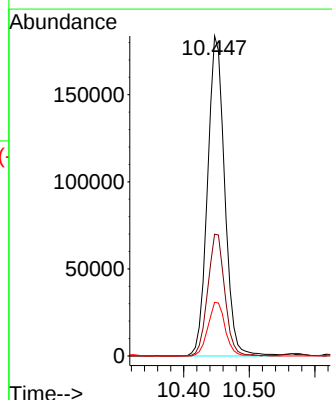
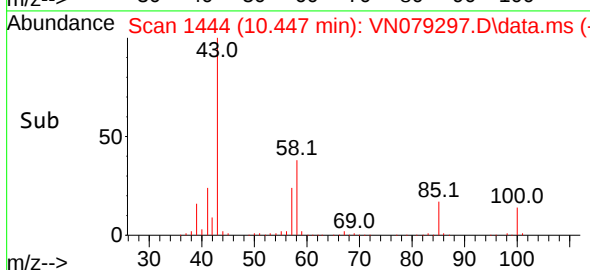
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023

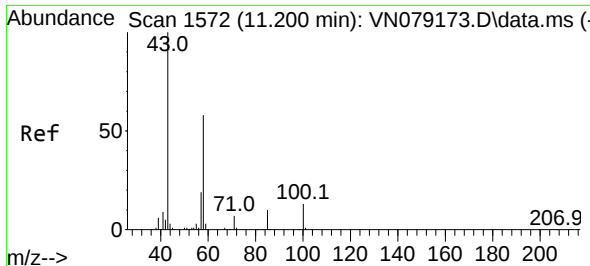


#58
4-Methyl-2-Pentanone
Concen: 97.039 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00



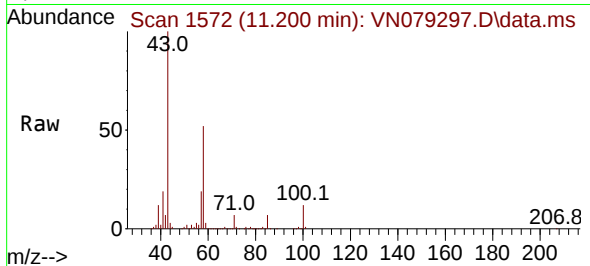
Tgt Ion: 43 Resp: 334902
Ion Ratio Lower Upper
43 100
58 37.6 33.6 50.4
85 16.7 15.0 22.4





#59
2-Hexanone
Concen: 97.429 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

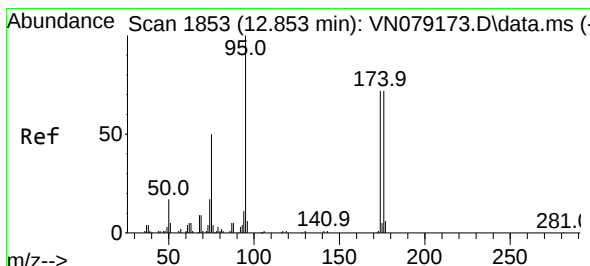
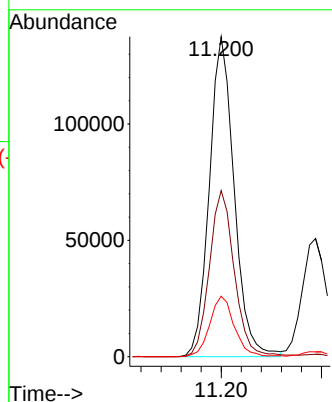
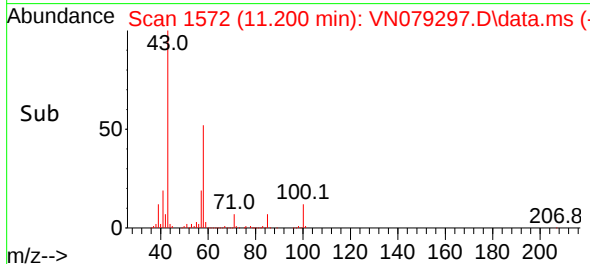
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 236144
Ion Ratio Lower Upper
43 100
58 52.2 46.4 69.6
57 18.6 15.3 22.9

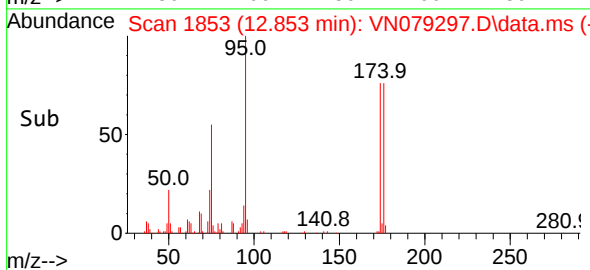
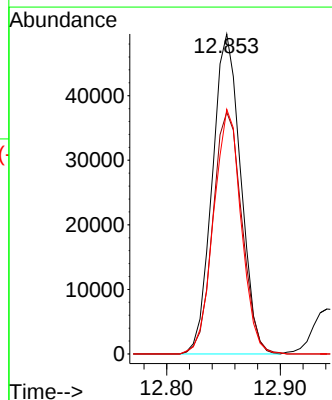
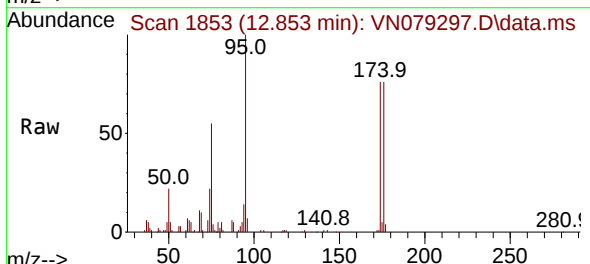
Manual Integrations
APPROVED

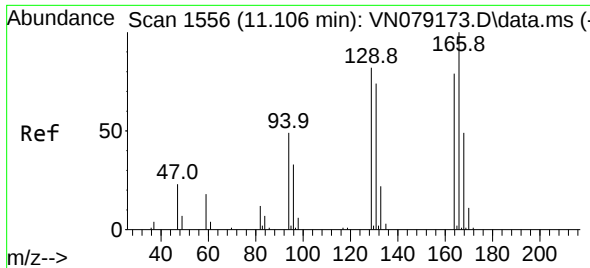
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#60
4-Bromofluorobenzene
Concen: 31.043 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

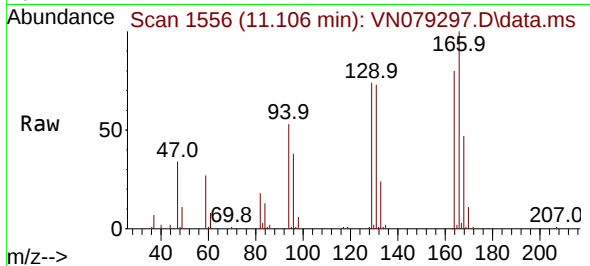
Tgt Ion: 95 Resp: 86023
Ion Ratio Lower Upper
95 100
174 77.4 59.5 89.3
176 74.5 59.1 88.7





#61
Tetrachloroethene
Concen: 21.424 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

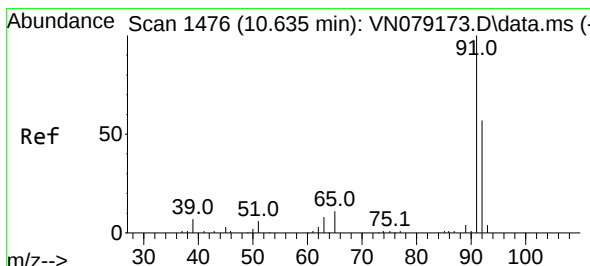
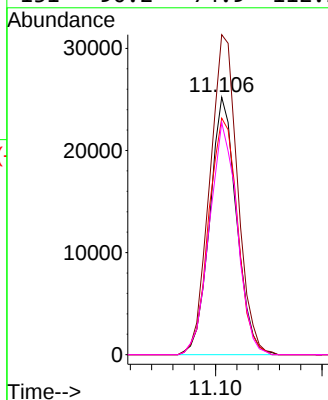
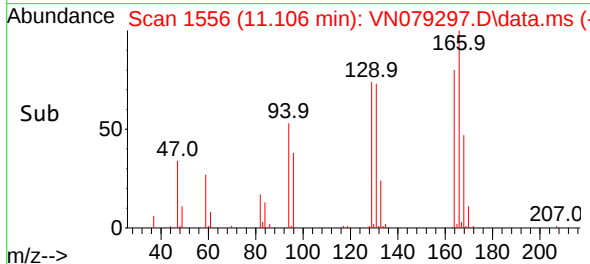
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



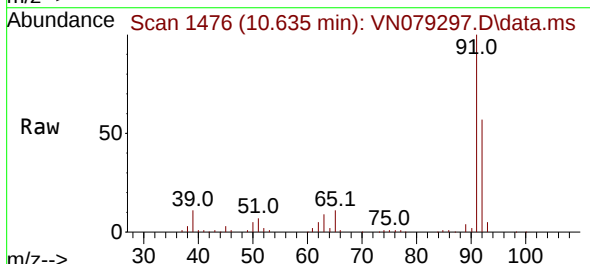
Tgt Ion:164 Resp: 4384
Ion Ratio Lower Upper
164 100
166 124.3 101.9 152.9
129 91.9 83.4 125.0
131 90.2 74.9 112.3

Manual Integrations
APPROVED

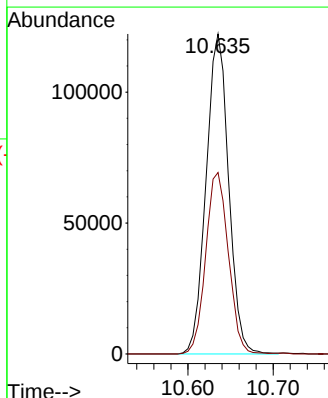
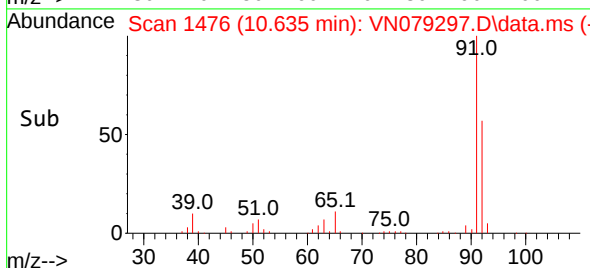
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023

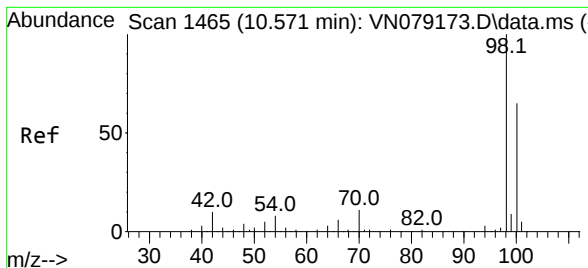


#62
Toluene
Concen: 20.493 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00



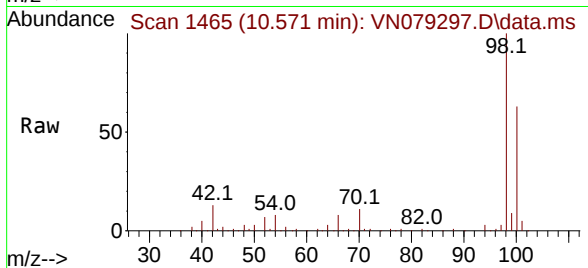
Tgt Ion: 91 Resp: 224404
Ion Ratio Lower Upper
91 100
92 57.0 45.7 68.5





#63
Toluene-d8
Concen: 31.698 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

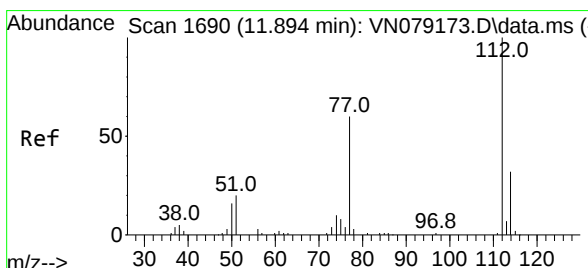
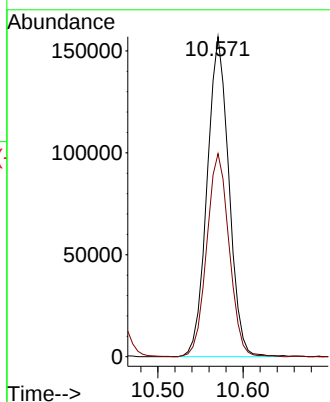
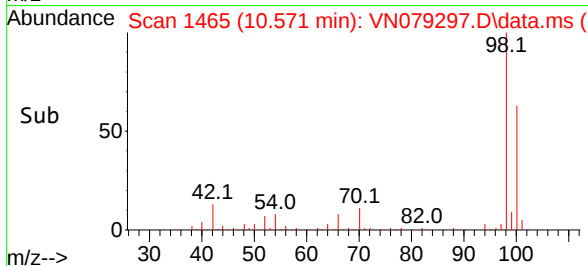
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



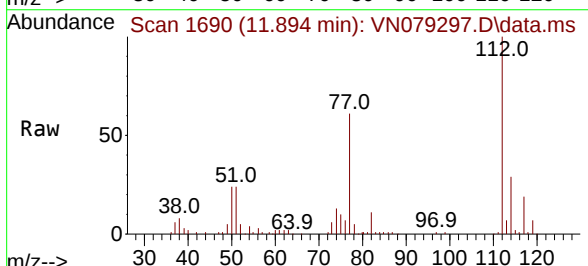
Tgt Ion: 98 Resp: 278603
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7

Manual Integrations
APPROVED

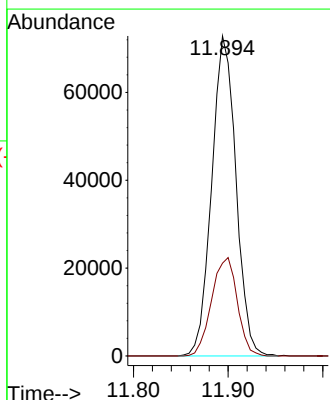
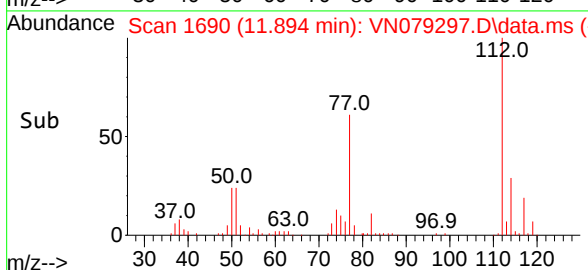
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023

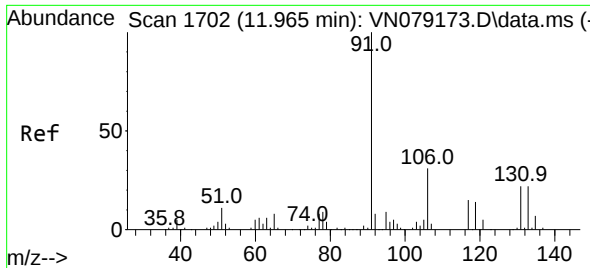


#64
Chlorobenzene
Concen: 20.316 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00



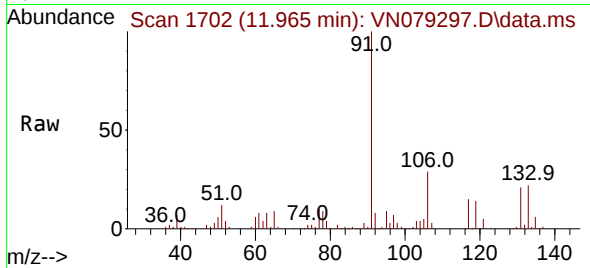
Tgt Ion:112 Resp: 129783
Ion Ratio Lower Upper
112 100
114 29.0 25.6 38.4





#65
1,1,1,2-Tetrachloroethane
Concen: 20.975 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

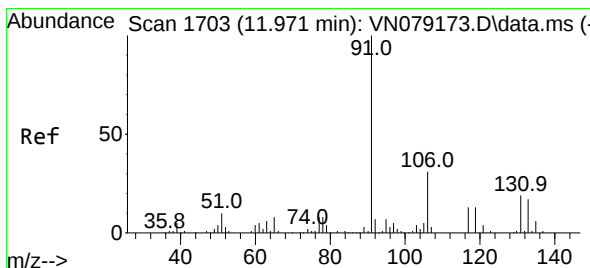
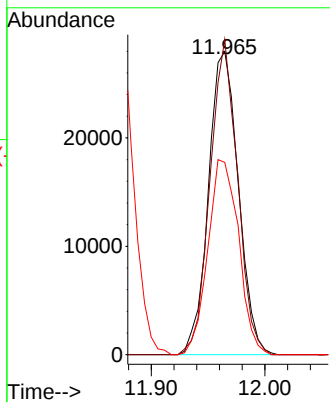
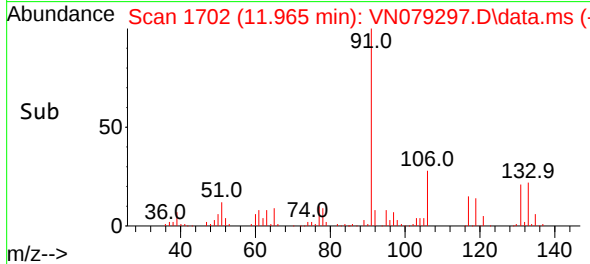
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



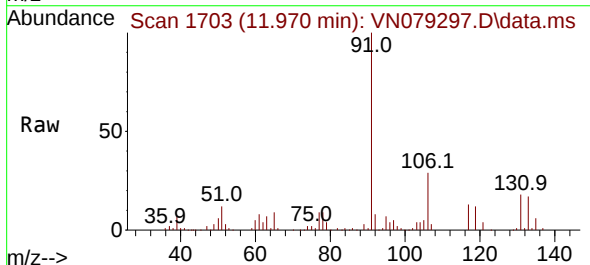
Tgt Ion:131 Resp: 51300
Ion Ratio Lower Upper
131 100
133 95.5 0.0 193.0
119 66.1 0.0 131.2

Manual Integrations
APPROVED

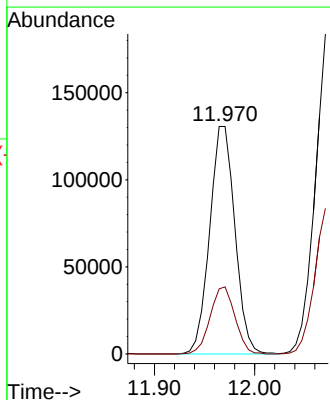
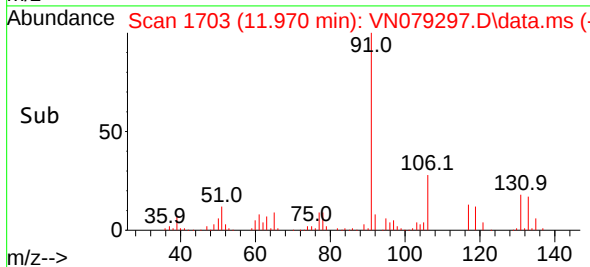
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023

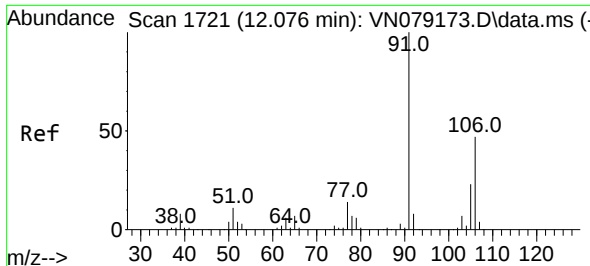


#66
Ethyl Benzene
Concen: 20.749 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00



Tgt Ion: 91 Resp: 228772
Ion Ratio Lower Upper
91 100
106 29.4 25.0 37.6





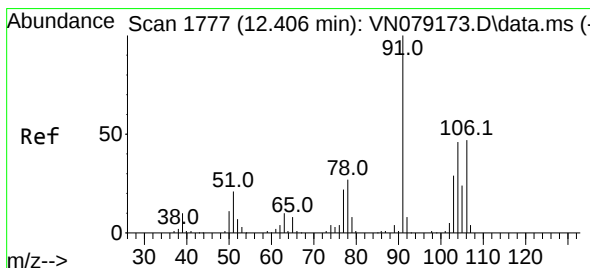
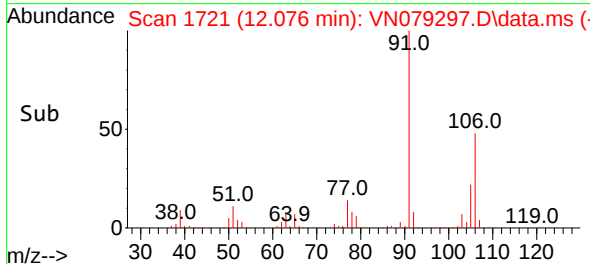
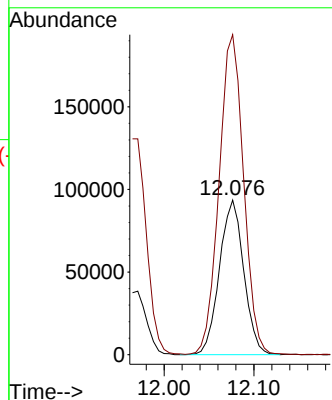
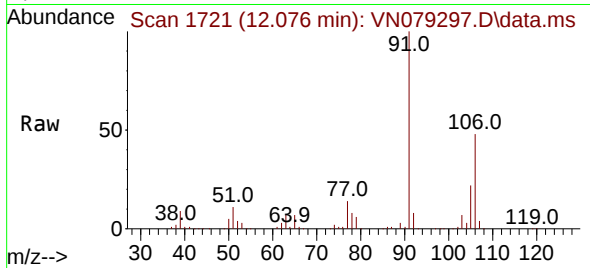
#67
m/p-Xylenes
Concen: 42.455 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 176129
Ion Ratio Lower Upper
106 100
91 209.1 165.2 247.8

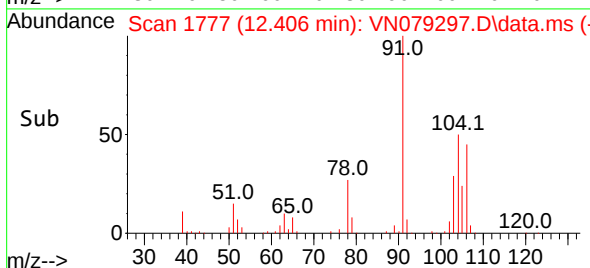
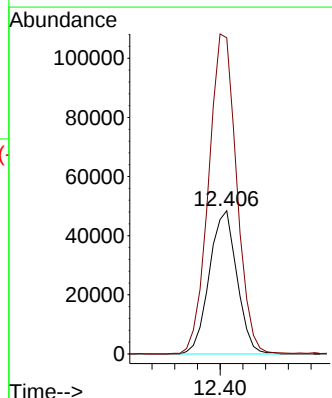
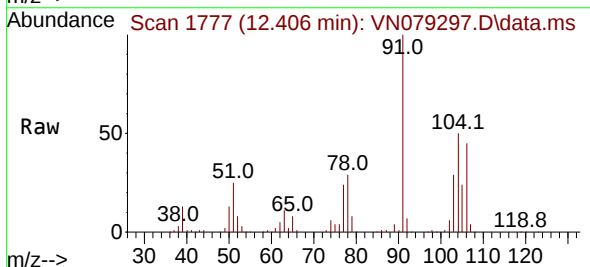
Manual Integrations
APPROVED

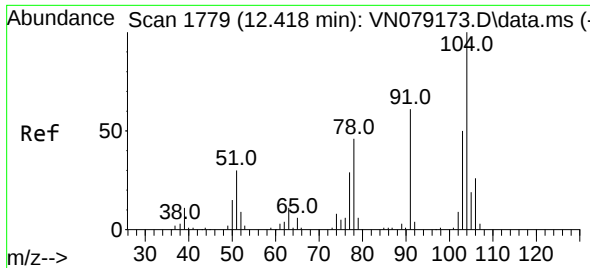
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#68
o-Xylene
Concen: 20.414 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Tgt Ion:106 Resp: 81674
Ion Ratio Lower Upper
106 100
91 227.3 109.7 329.1





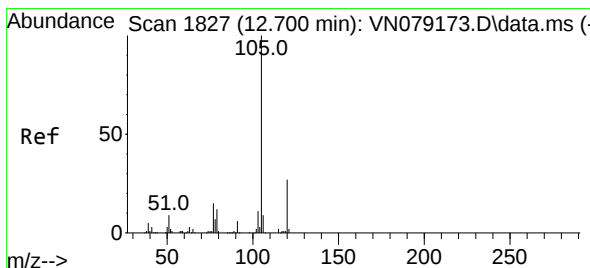
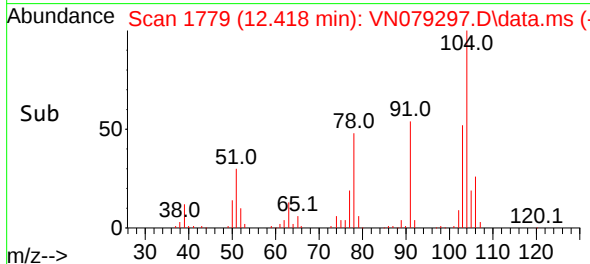
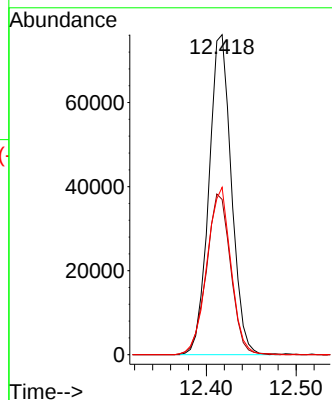
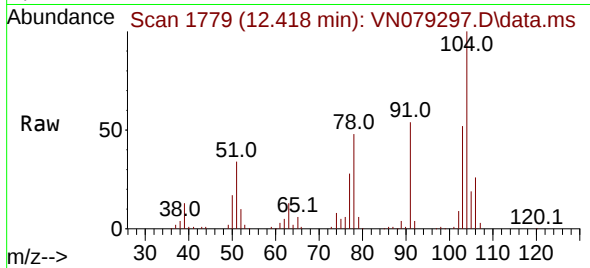
#69
Styrene
Concen: 20.806 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 132770
Ion Ratio Lower Upper
104 100
78 53.9 40.5 60.7
103 55.6 43.3 64.9

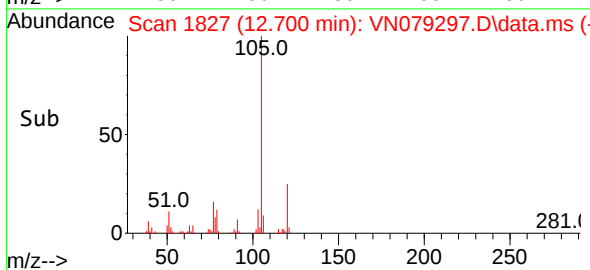
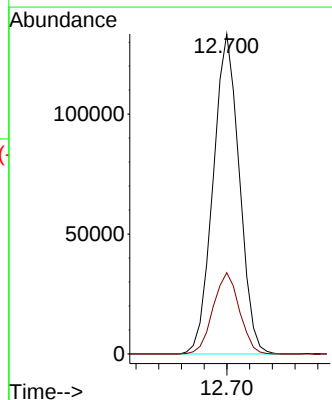
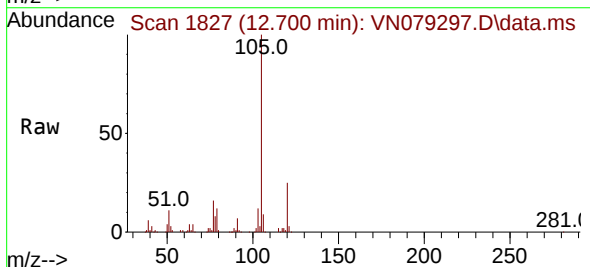
Manual Integrations
APPROVED

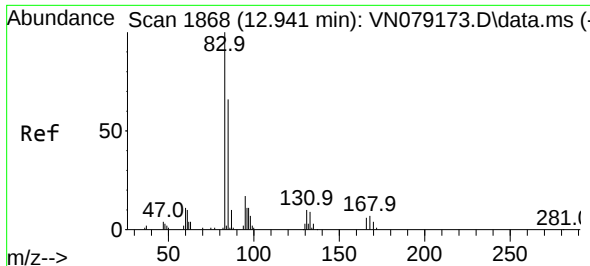
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#70
Isopropylbenzene
Concen: 21.012 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

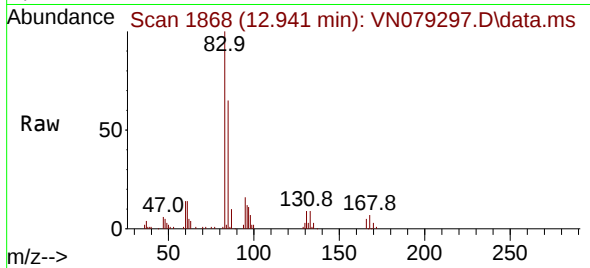
Tgt Ion:105 Resp: 213687
Ion Ratio Lower Upper
105 100
120 25.4 18.5 34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 19.698 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

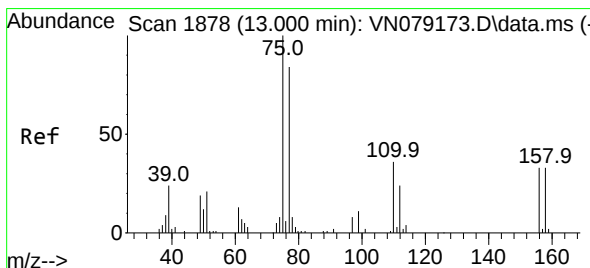
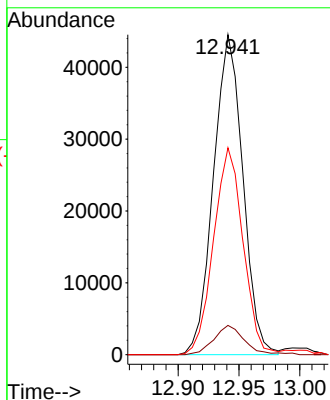
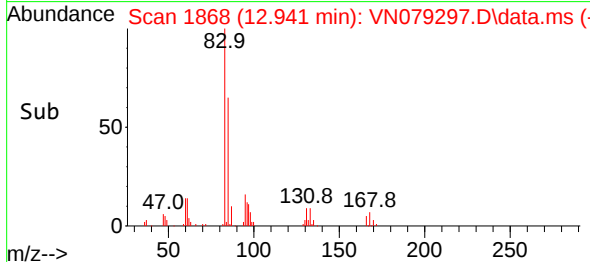
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



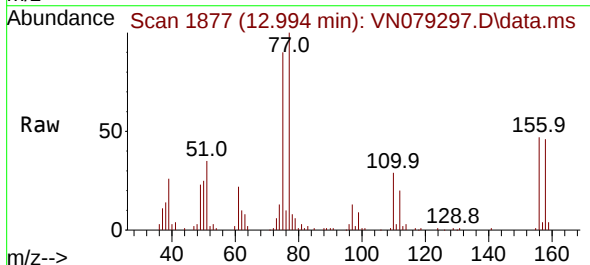
Tgt Ion: 83 Resp: 74938
Ion Ratio Lower Upper
83 100
131 9.3 4.9 14.6
85 64.7 33.1 99.3

Manual Integrations
APPROVED

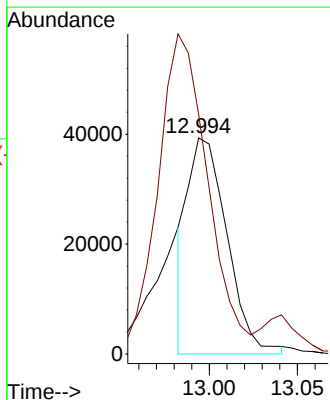
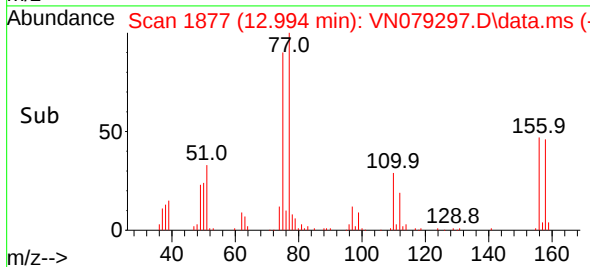
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023

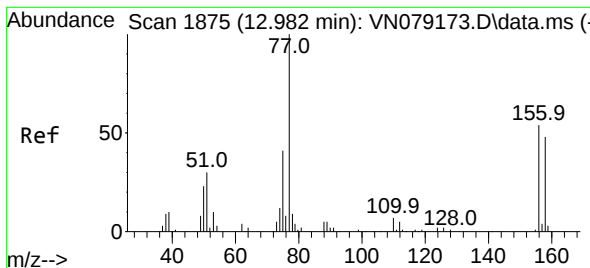


#72
1,2,3-Trichloropropane
Concen: 19.116 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00



Tgt Ion: 75 Resp: 61189
Ion Ratio Lower Upper
75 100
77 188.0 0.0 252.2





#73

Bromobenzene

Concen: 20.320 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

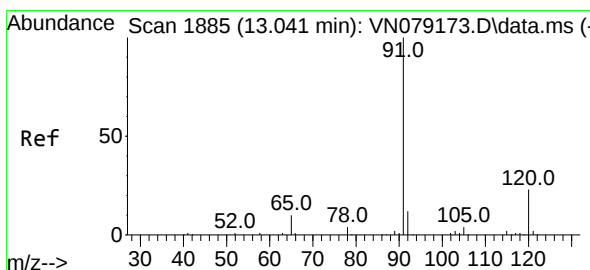
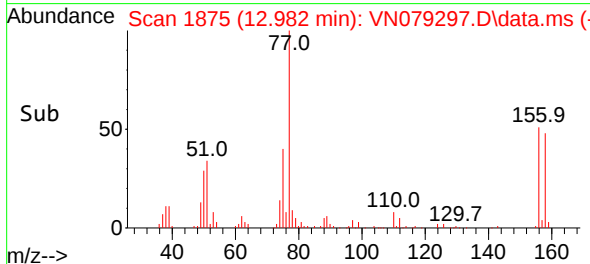
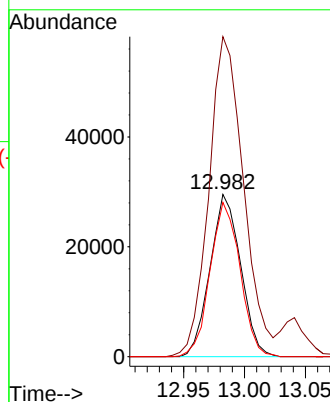
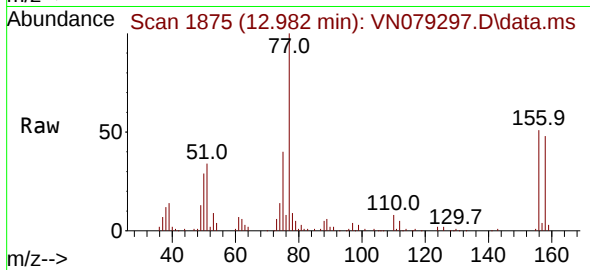
Tgt Ion:	156	Resp:	51620
Ion Ratio	Lower	Upper	
156	100		
77	222.9	0.0	446.6
158	93.1	0.0	188.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2023

Supervised By :Mahesh Dadoda 09/20/2023



#74

n-propylbenzene

Concen: 21.985 ug/l

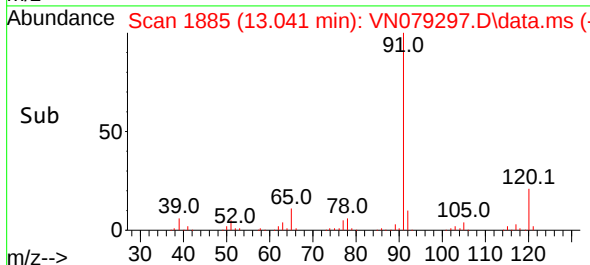
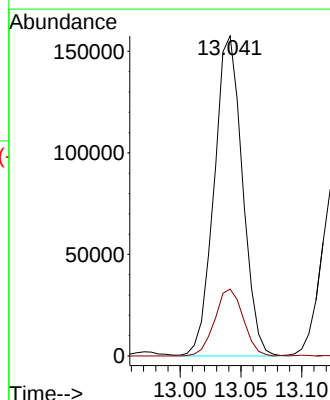
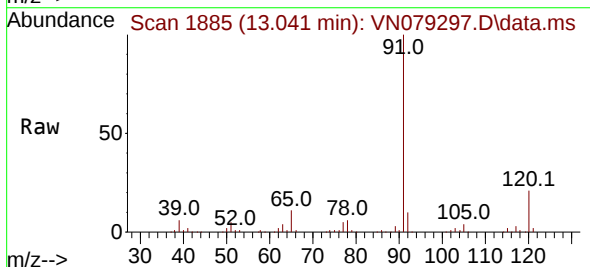
RT: 13.041 min Scan# 1885

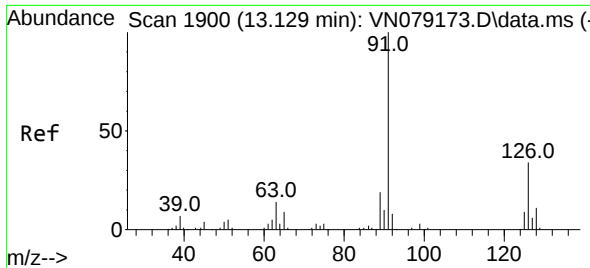
Delta R.T. 0.000 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Tgt Ion:	91	Resp:	254743
Ion Ratio	Lower	Upper	
91	100		
120	21.0	0.0	44.0





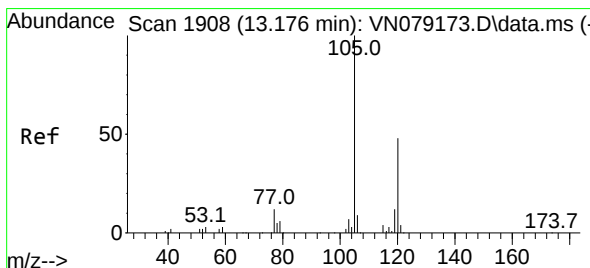
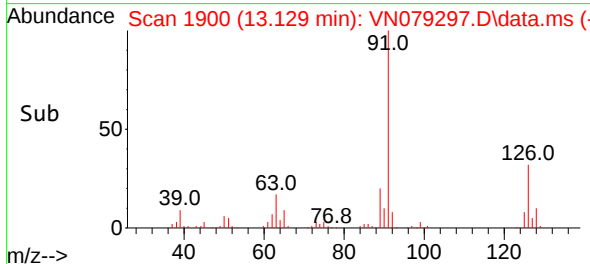
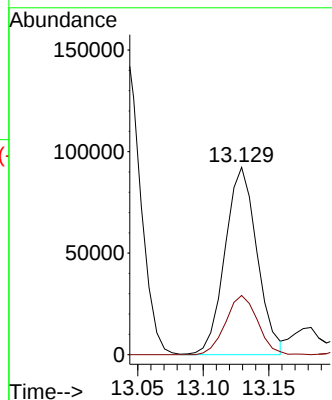
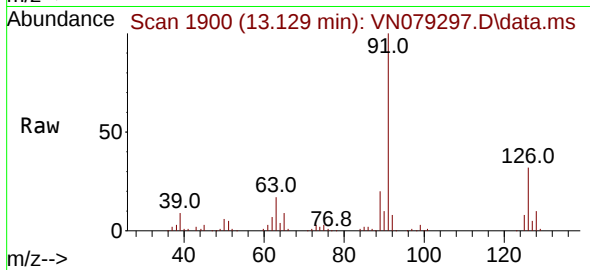
#75
2-Chlorotoluene
Concen: 21.156 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 15718
Ion Ratio Lower Upper
91 100
126 31.4 0.0 65.4

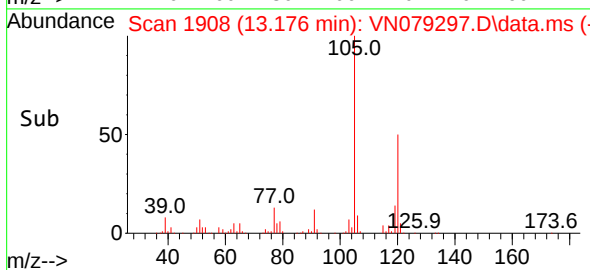
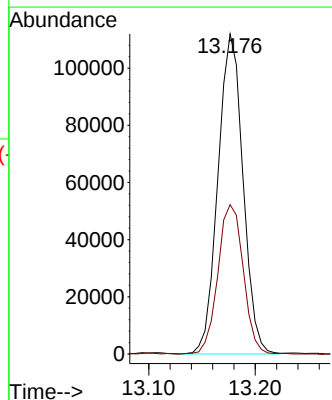
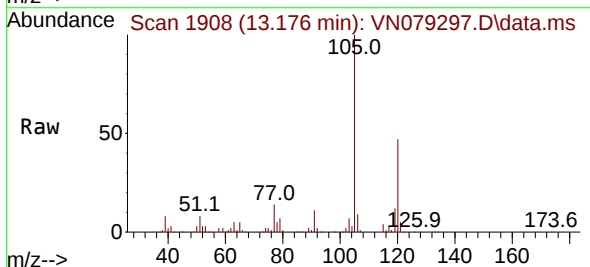
Manual Integrations
APPROVED

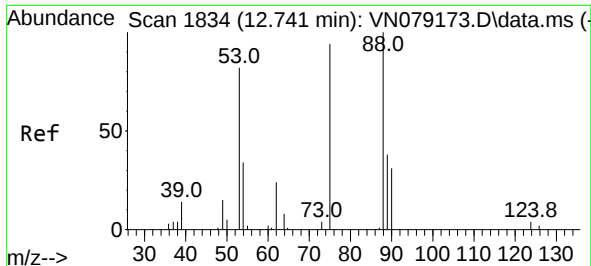
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#76
1,3,5-Trimethylbenzene
Concen: 21.707 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

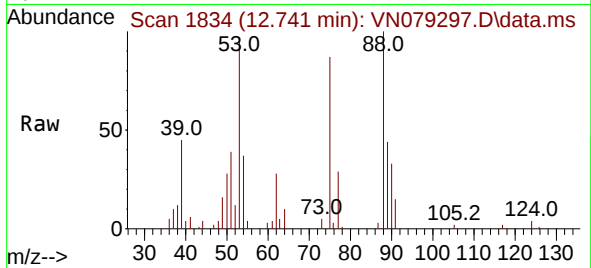
Tgt Ion:105 Resp: 182528
Ion Ratio Lower Upper
105 100
120 47.2 0.0 95.6





#77
t-1,4-Dichloro-2-butene
Concen: 17.178 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

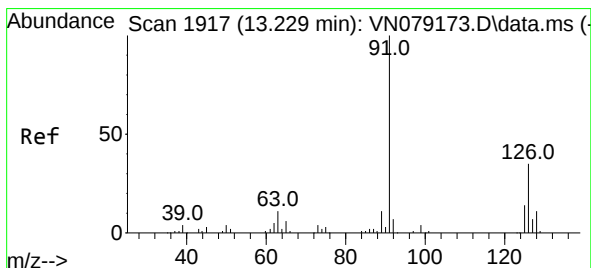
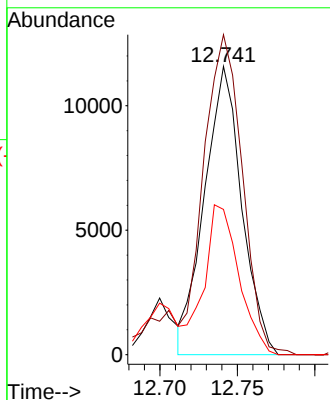
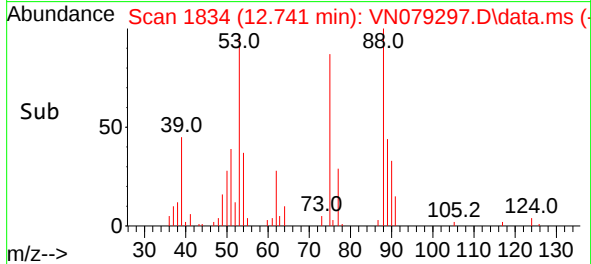
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 19360
Ion Ratio Lower Upper
75 100
53 109.2 44.1 132.4
89 50.4 22.4 67.3

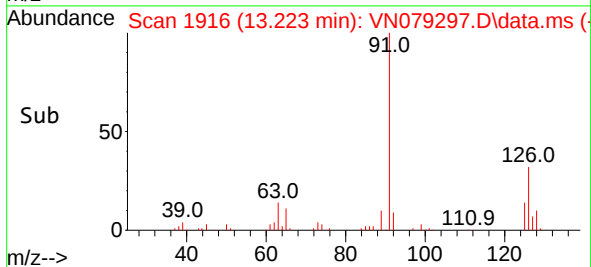
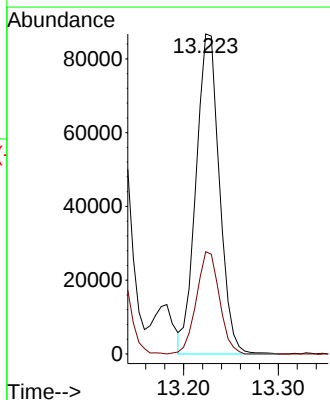
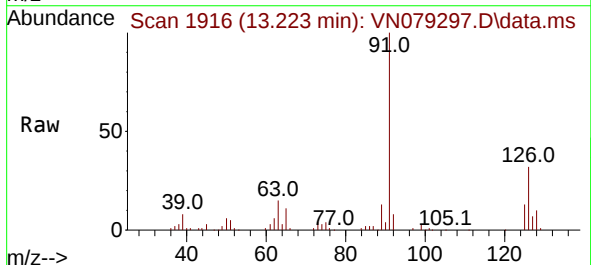
Manual Integrations
APPROVED

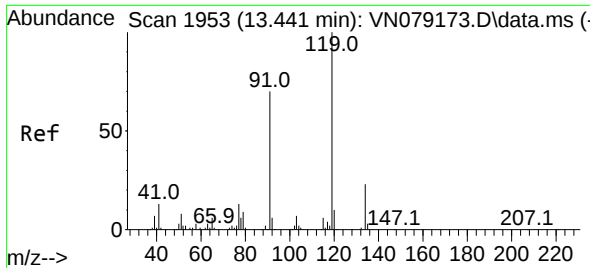
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#78
4-Chlorotoluene
Concen: 21.176 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

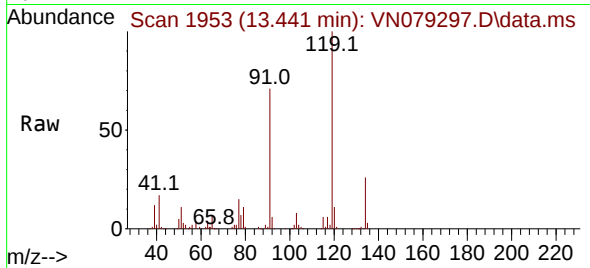
Tgt Ion: 91 Resp: 148561
Ion Ratio Lower Upper
91 100
126 31.4 0.0 66.6





#79
tert-butylbenzene
Concen: 20.556 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

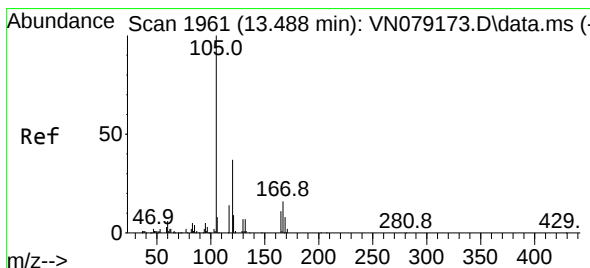
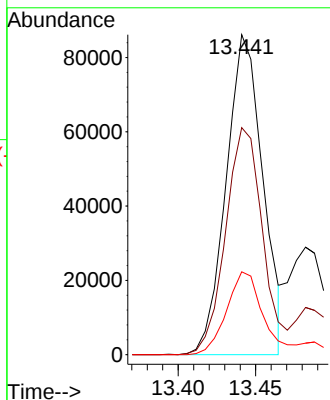
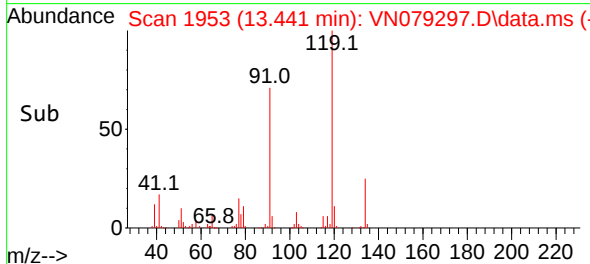
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



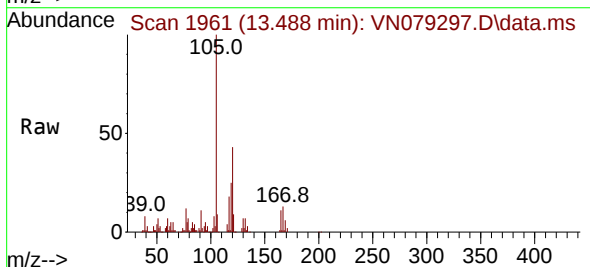
Tgt Ion:119 Resp: 141880
Ion Ratio Lower Upper
119 100
91 71.9 0.0 130.8
134 25.9 0.0 48.8

Manual Integrations
APPROVED

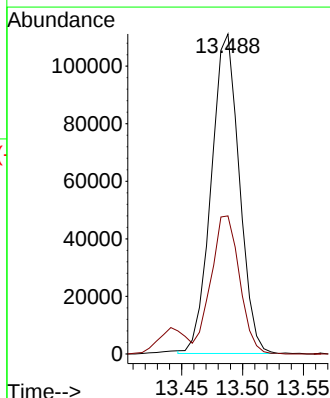
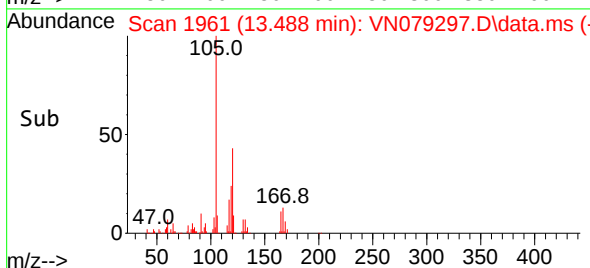
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023

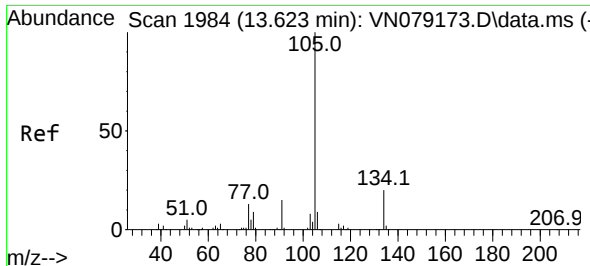


#80
1,2,4-Trimethylbenzene
Concen: 22.172 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00



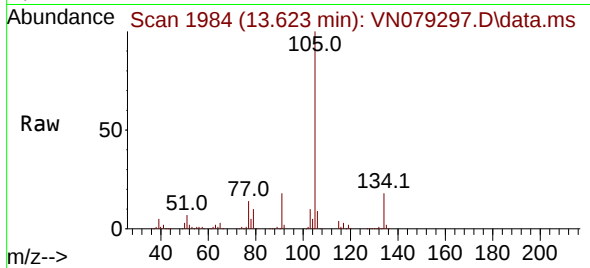
Tgt Ion:105 Resp: 178049
Ion Ratio Lower Upper
105 100
120 44.0 0.0 90.0





#81
 sec-Butylbenzene
 Concen: 21.671 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN079297.D
 Acq: 19 Sep 2023 11:00

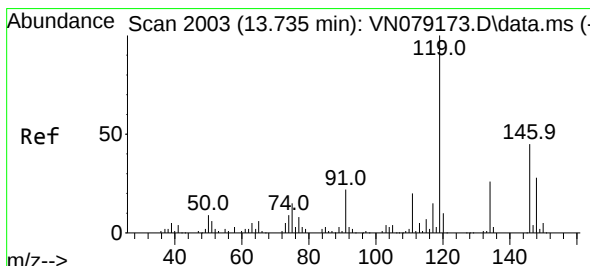
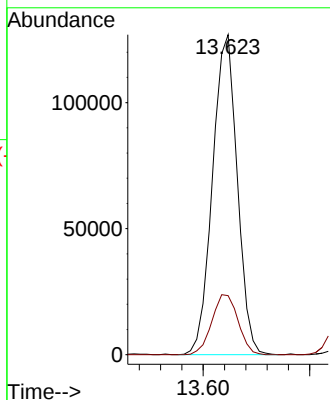
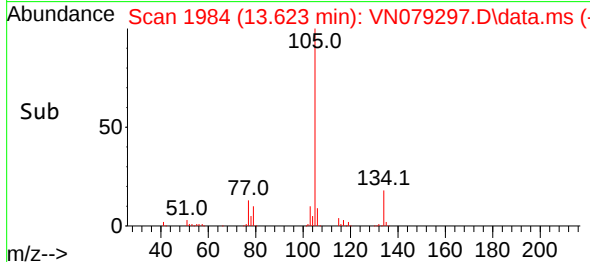
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



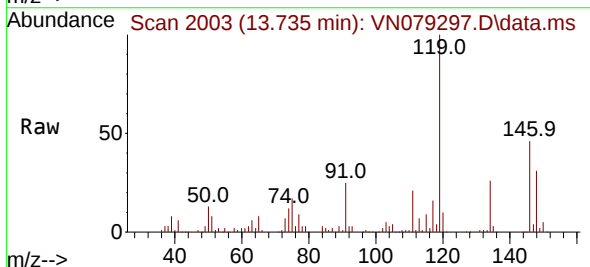
Tgt Ion:105 Resp: 204654
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 38.6

Manual Integrations
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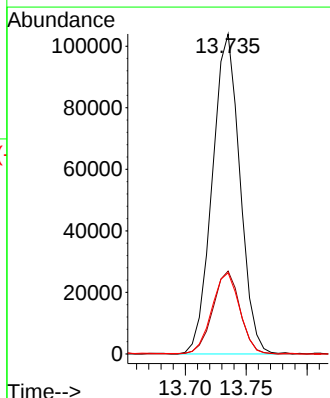
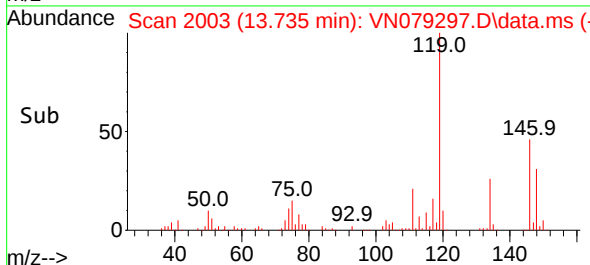
Reviewed By :John Carlone 09/19/2023
 Supervised By :Mahesh Dadoda 09/20/2023

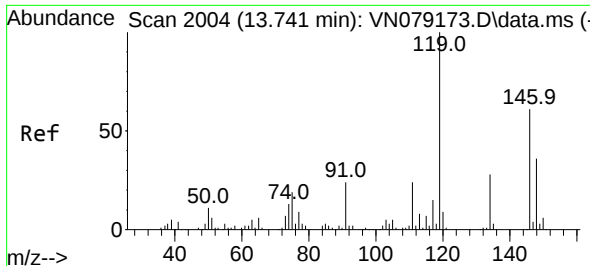


#82
 p-Isopropyltoluene
 Concen: 21.978 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN079297.D
 Acq: 19 Sep 2023 11:00



Tgt Ion:119 Resp: 163947
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 53.8
 91 25.6 0.0 48.0





#83

1,3-Dichlorobenzene

Concen: 21.062 ug/l

RT: 13.735 min Scan# 2004

Delta R.T. -0.006 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:146 Resp: 84972

Ion Ratio Lower Upper

146 100

111 42.5 20.5 61.5

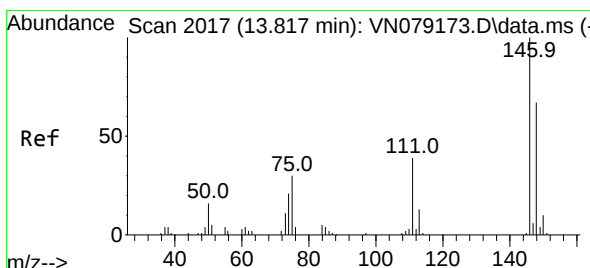
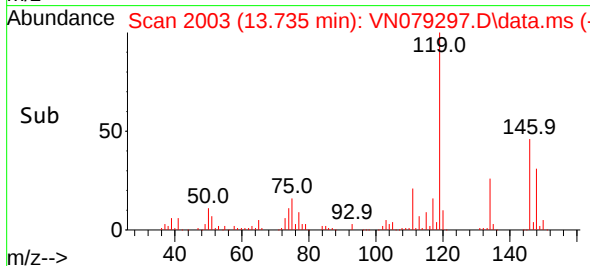
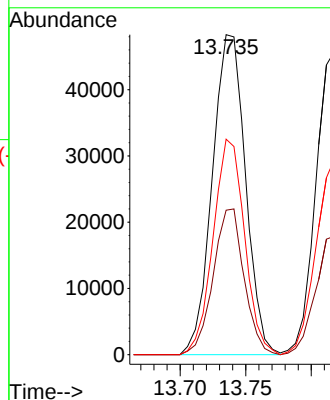
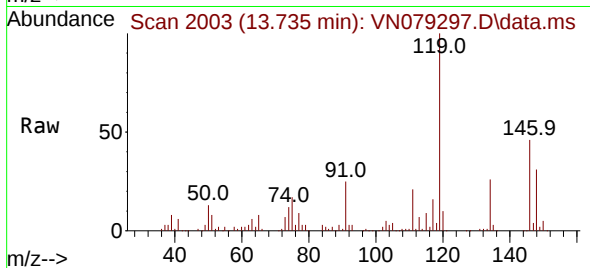
148 63.8 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2023

Supervised By :Mahesh Dadoda 09/20/2023



#84

1,4-Dichlorobenzene

Concen: 20.800 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

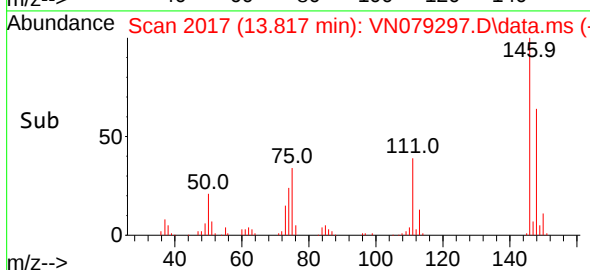
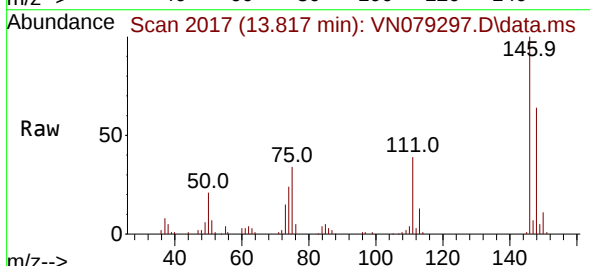
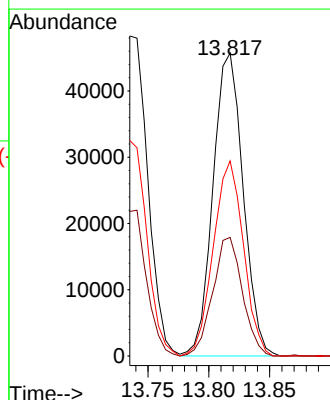
Tgt Ion:146 Resp: 78702

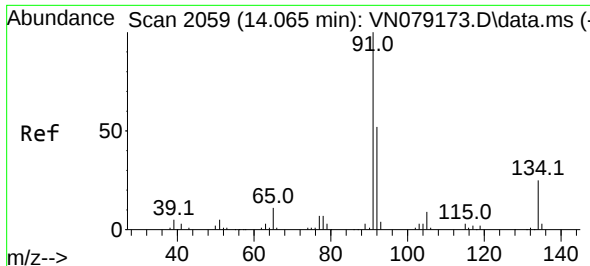
Ion Ratio Lower Upper

146 100

111 38.5 19.5 58.5

148 64.4 32.1 96.5





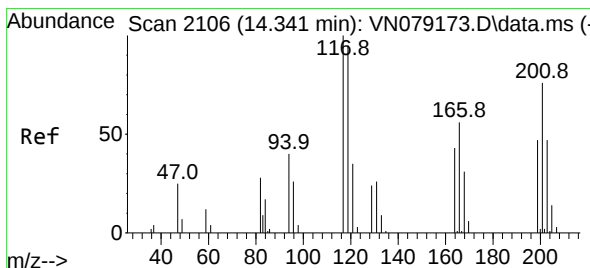
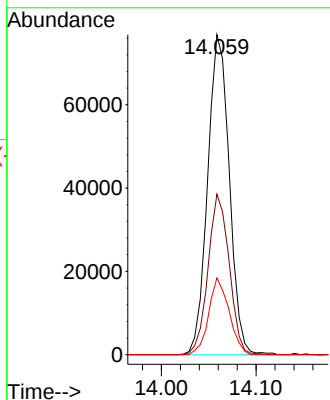
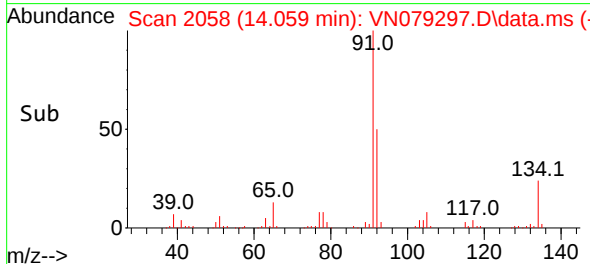
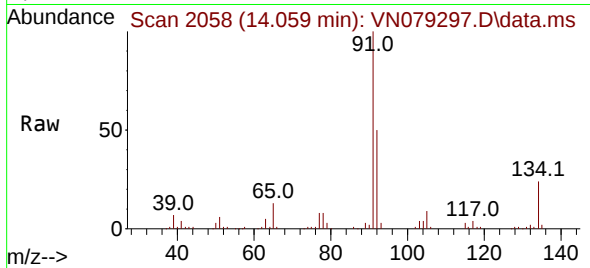
#85
n-Butylbenzene
Concen: 21.574 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 122572
Ion Ratio Lower Upper
91 100
92 48.9 0.0 105.0
134 22.5 0.0 49.6

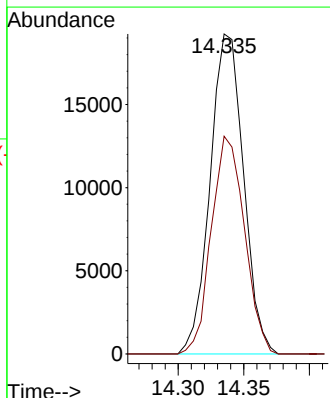
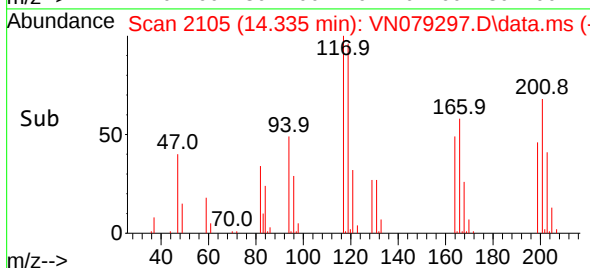
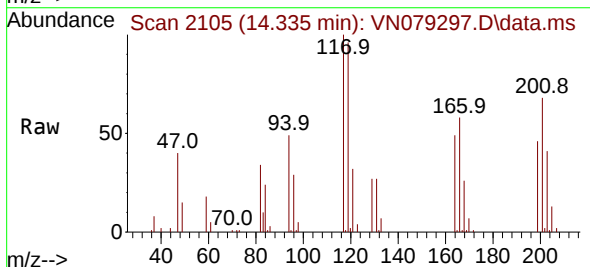
Manual Integrations
APPROVED

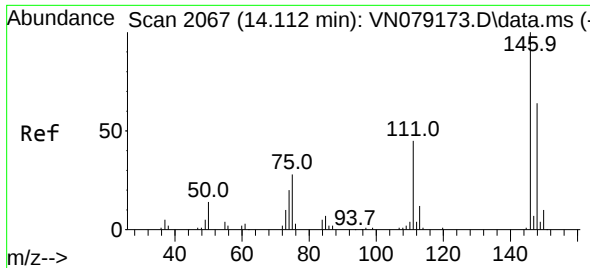
Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#86
Hexachloroethane
Concen: 23.106 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Tgt Ion:117 Resp: 34126
Ion Ratio Lower Upper
117 100
201 67.4 37.2 111.6





#87

1,2-Dichlorobenzene

Concen: 20.704 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. -0.000 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:146 Resp: 8243

Ion Ratio Lower Upper

146 100

111 43.3 21.5 64.5

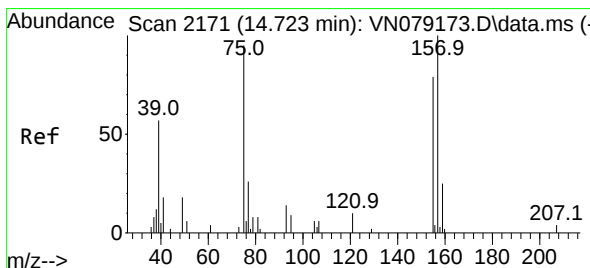
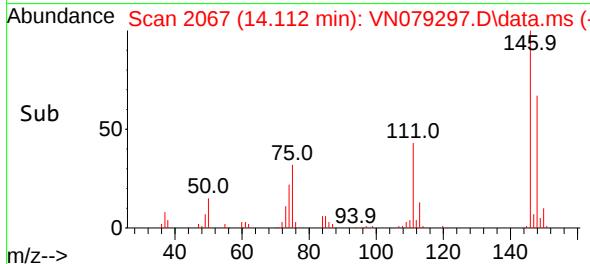
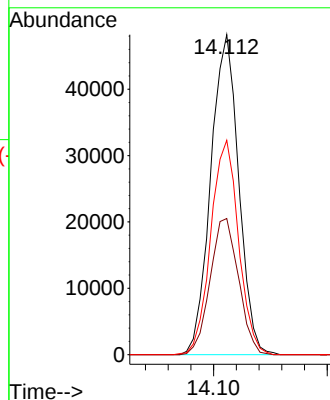
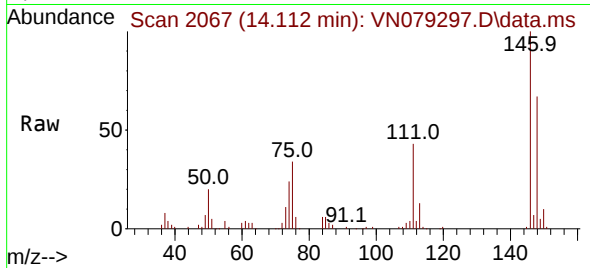
148 66.6 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2023

Supervised By :Mahesh Dadoda 09/20/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.870 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

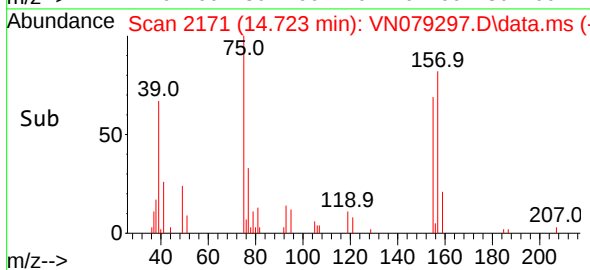
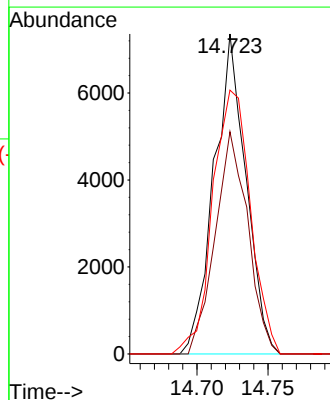
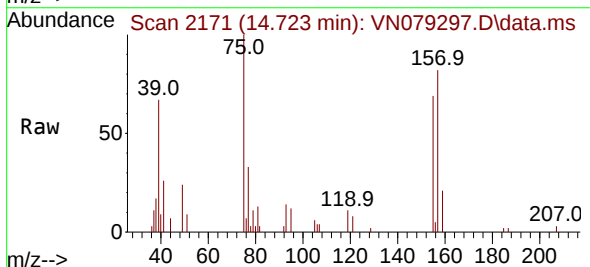
Tgt Ion: 75 Resp: 11491

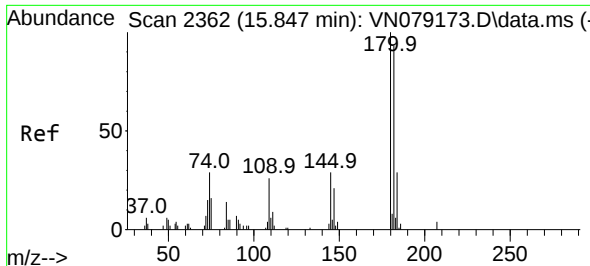
Ion Ratio Lower Upper

75 100

155 71.0 68.1 102.1

157 97.5 83.9 125.9





#89

1,2,4-Trichlorobenzene

Concen: 15.328 ug/l m

RT: 15.847 min Scan# 2362

Delta R.T. -0.000 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

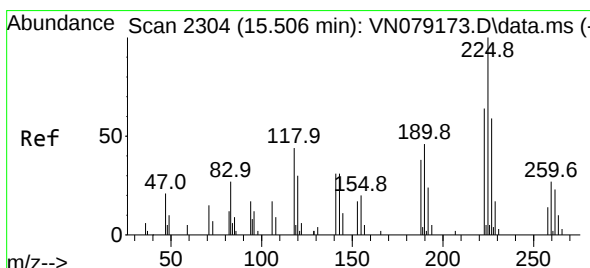
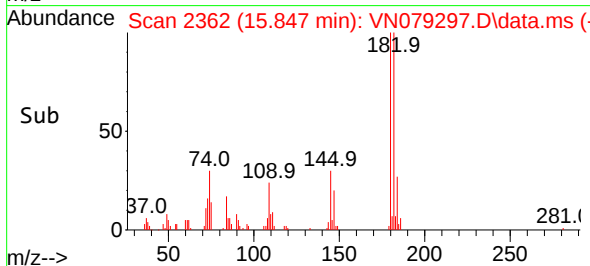
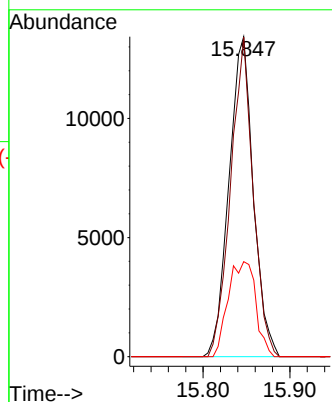
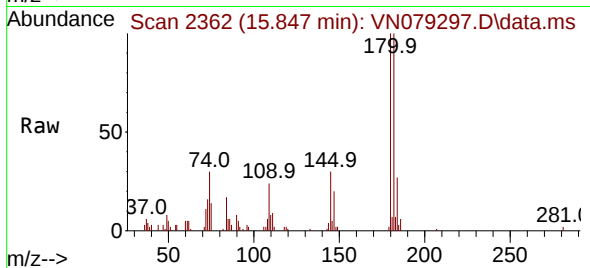
Tgt Ion:180	Resp:	2611
Ion Ratio	Lower	Upper
180	100	
182	82.6	74.5 111.7
145	27.0	26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/19/2023

Supervised By :Mahesh Dadoda 09/20/2023



#90

Hexachlorobutadiene

Concen: 19.904 ug/l

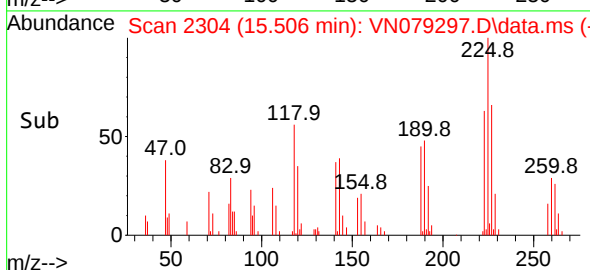
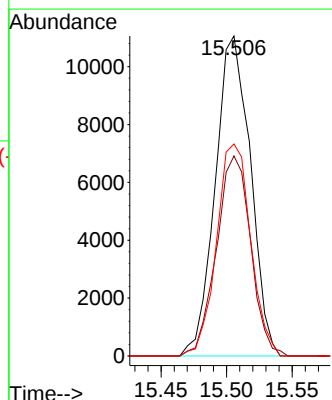
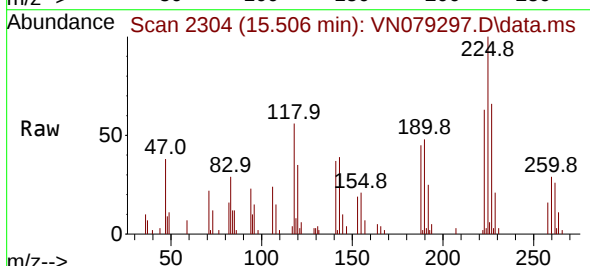
RT: 15.506 min Scan# 2304

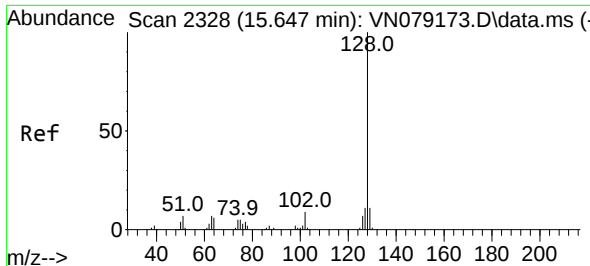
Delta R.T. -0.000 min

Lab File: VN079297.D

Acq: 19 Sep 2023 11:00

Tgt Ion:225	Resp:	20598
Ion Ratio	Lower	Upper
225	100	
223	60.9	0.0 125.6
227	64.4	0.0 124.0





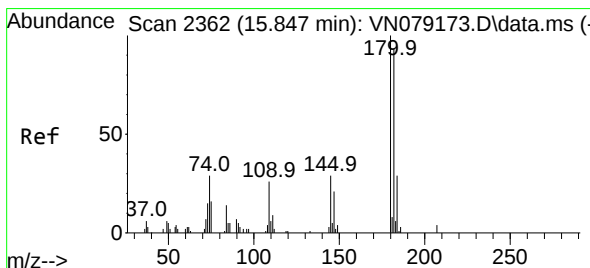
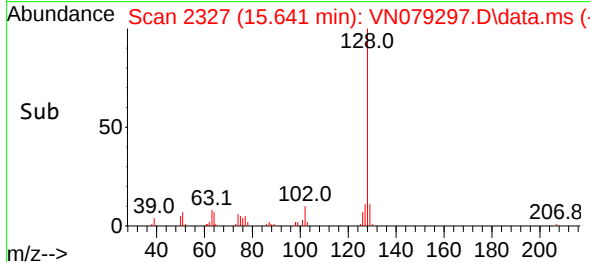
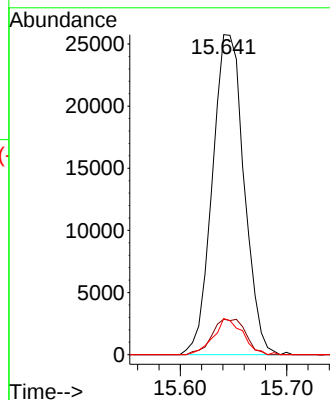
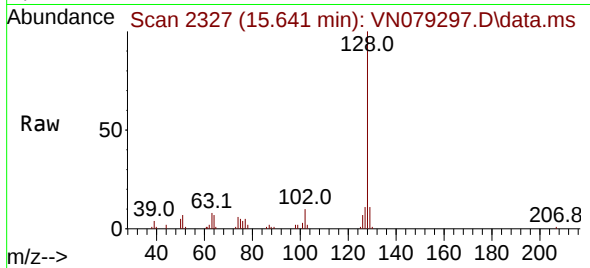
#91
Naphthalene
Concen: 11.938 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 5315
Ion Ratio Lower Upper
128 100
127 11.8 10.1 15.1
129 10.4 8.5 12.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/19/2023
Supervised By :Mahesh Dadoda 09/20/2023



#92
1,2,3-Trichlorobenzene
Concen: 15.330 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN079297.D
Acq: 19 Sep 2023 11:00

Tgt Ion:180 Resp: 26118
Ion Ratio Lower Upper
180 100
182 92.2 0.0 186.2
145 15.9 0.0 65.4

