

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092223\
 Data File : VN079327.D
 Acq On : 22 Sep 2023 09:13
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/25/2023
 Supervised By : Mahesh Dadoda 09/25/2023

Quant Time: Sep 23 00:37:31 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	7.812	128	36554	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	188242	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	172777	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	89549	32.607	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 108.700%		
60) 4-Bromofluorobenzene	12.853	95	75488	29.652	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 98.833%		
63) Toluene-d8	10.571	98	255872	31.689	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 105.633%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	43052	21.117	ug/l	94
3) Chloromethane	2.365	50	54719	26.767	ug/l	92
4) Vinyl Chloride	2.518	62	62262	30.784	ug/l	93
5) Bromomethane	2.959	94	32630	26.286	ug/l	90
6) Chloroethane	3.124	64	44014	35.534	ug/l #	90
7) Trichlorofluoromethane	3.500	101	74947	31.126	ug/l	99
8) Diethyl Ether	3.959	74	24589	27.851	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.377	101	41747	31.461	ug/l	96
10) 1,1-Dichloroethene	4.342	96	37839	29.430	ug/l	100
11) Methyl Iodide	4.589	142	42009	25.939	ug/l	93
12) Methyl Acetate	5.030	43	88713	29.607	ug/l	100
13) Acrolein	4.183	56	39513	144.793	ug/l	98
14) Acrylonitrile	5.724	53	117297	133.436	ug/l	99
15) Acetone	4.436	58	46953	204.755	ug/l	78
16) Carbon Disulfide	4.718	76	107148	28.203	ug/l	98
17) Allyl chloride	5.024	41	58613	28.371	ug/l	91
18) Methylene Chloride	5.283	84	49667	28.801	ug/l	88
19) trans-1,2-Dichloroethene	5.794	96	44451	27.633	ug/l	96
20) Diisopropyl ether	6.683	45	149262	24.201	ug/l #	91
21) 1,1-Dichloroethane	6.577	63	88348	24.451	ug/l	97
22) cis-1,2-Dichloroethene	7.494	96	49930	19.847	ug/l	90
23) tert-Butyl Alcohol	5.530	59	35413	104.721	ug/l #	100
24) Methyl tert-Butyl Ether	5.806	73	130951	25.807	ug/l	94
25) Chloroform	7.971	83	93793	21.527	ug/l	98
26) Cyclohexane	8.259	56	63748	19.456	ug/l #	98
29) 1,1-Dichloropropene	8.377	75	65125	21.578	ug/l	96
30) 2-Butanone	7.494	43	173368	114.205	ug/l	96
31) 2,2-Dichloropropane	7.500	77	71155	23.636	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	78226	22.000	ug/l	94
33) Carbon Tetrachloride	8.371	117	68100	22.296	ug/l	93
34) Benzene	8.612	78	197640	20.611	ug/l #	95
35) Methacrylonitrile	7.788	41	33835	20.700	ug/l	92
36) 1,2-Dichloroethane	8.677	62	73129	23.124	ug/l	96
37) Trichloroethene	9.359	130	44437	19.606	ug/l	96
38) Methylcyclohexane	9.606	83	59599	19.753	ug/l	96
39) 1,2-Dichloropropane	9.629	63	53251	21.529	ug/l	99
40) Dibromomethane	9.718	93	35306	21.644	ug/l	92
41) Bromodichloromethane	9.888	83	72508	22.299	ug/l #	91
42) Vinyl Acetate	6.612	43	434712	120.580	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	62696	21.746	ug/l	99
44) Isopropyl Acetate	8.694	43	104961	20.238	ug/l	94
45) 1,4-Dioxane	9.700	88	17861	345.980	ug/l	97
46) Methyl methacrylate	9.688	41	46297	19.981	ug/l	90
47) n-amyl Acetate	12.500	43	76266	20.910	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	69964	19.888	ug/l	99
49) cis-1,3-Dichloropropene	10.318	75	78307	21.340	ug/l	93
50) 1,1,2-Trichloroethane	11.018	97	47324	20.680	ug/l	95
51) Ethyl methacrylate	10.876	69	62504m	17.686	ug/l	
52) 1,3-Dichloropropane	11.171	76	85116	21.787	ug/l	98
53) Dibromochloromethane	11.365	129	50516	21.047	ug/l	99
54) 1,2-Dibromoethane	11.476	107	46253	19.905	ug/l	100
55) 2-Chloroethyl vinyl ether	10.165	63	118169	94.102	ug/l	99
56) Bromoform	12.582	173	32159	19.229	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	330128	104.123	ug/l	94
59) 2-Hexanone	11.200	43	242123	108.738	ug/l	92
61) Tetrachloroethene	11.106	164	36873	19.613	ug/l	95
62) Toluene	10.635	91	213039	21.177	ug/l	100
64) Chlorobenzene	11.894	112	120357	20.508	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.965	131	46882	20.866	ug/l	99
66) Ethyl Benzene	11.970	91	212554	20.985	ug/l	98
67) m/p-Xylenes	12.076	106	164678	43.208	ug/l	99
68) o-Xylene	12.400	106	76544	20.825	ug/l	100
69) Styrene	12.417	104	124103	21.169	ug/l	97
70) Isopropylbenzene	12.700	105	201226	21.538	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	72888	20.855	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	55212m	18.775	ug/l	
73) Bromobenzene	12.988	156	45305	19.413	ug/l	97
74) n-propylbenzene	13.041	91	238377	22.393	ug/l	98
75) 2-Chlorotoluene	13.129	91	143967	21.092	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	170529	22.075	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	19507	18.841	ug/l	91
78) 4-Chlorotoluene	13.223	91	137019	21.259	ug/l	97
79) tert-butylbenzene	13.441	119	131328	20.711	ug/l	95
80) 1,2,4-Trimethylbenzene	13.488	105	163059	22.102	ug/l	98
81) sec-Butylbenzene	13.623	105	191826	22.111	ug/l	100
82) p-Isopropyltoluene	13.735	119	151177	22.060	ug/l	98
83) 1,3-Dichlorobenzene	13.741	146	80343	21.677	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	72233	20.780	ug/l	98
85) n-Butylbenzene	14.059	91	114697	21.975	ug/l	97
86) Hexachloroethane	14.335	117	32896	24.245	ug/l	89
87) 1,2-Dichlorobenzene	14.111	146	78889	21.568	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	10691	18.097	ug/l	92
89) 1,2,4-Trichlorobenzene	15.841	180	25131	16.056	ug/l	100
90) Hexachlorobutadiene	15.506	225	18233	19.178	ug/l	95
91) Naphthalene	15.647	128	49471	12.095	ug/l	97
92) 1,2,3-Trichlorobenzene	15.841	180	25131	16.056	ug/l	100

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

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Client Sample Id :

VSTDCCC020

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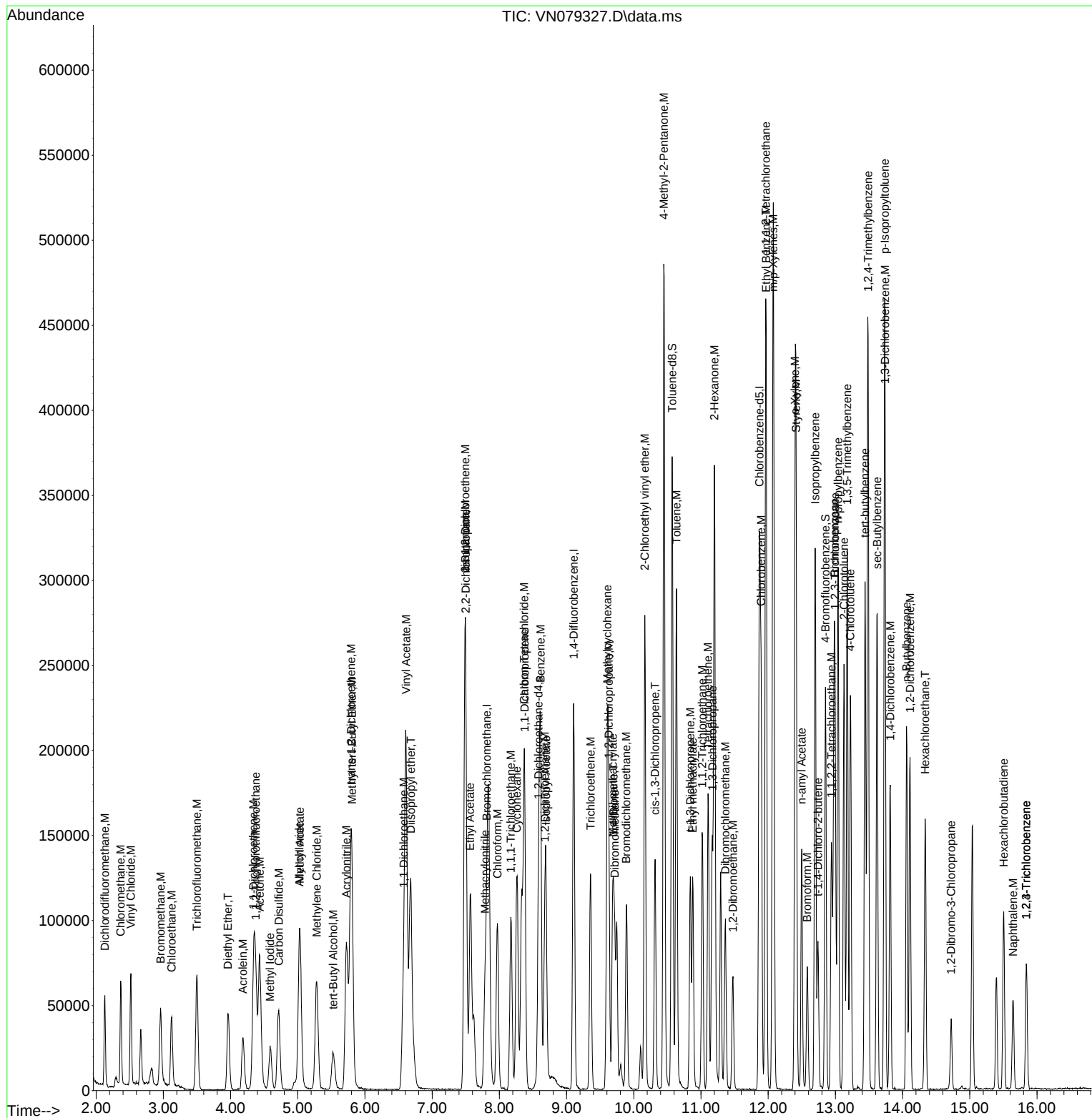
Quant Time: Sep 23 00:37:31 2023

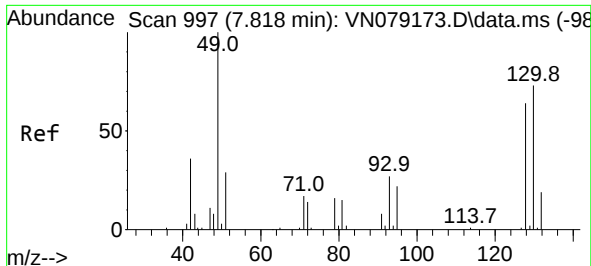
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri Sep 08 05:09:17 2023

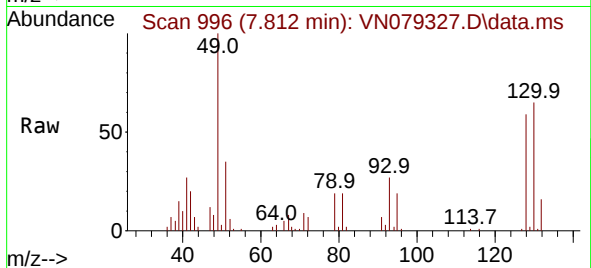
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

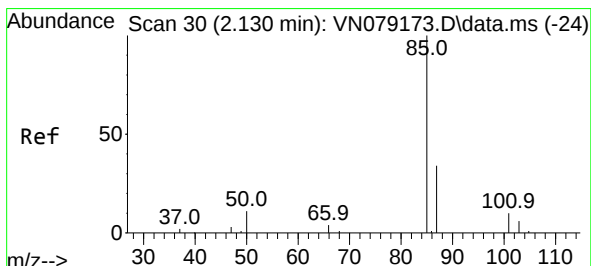
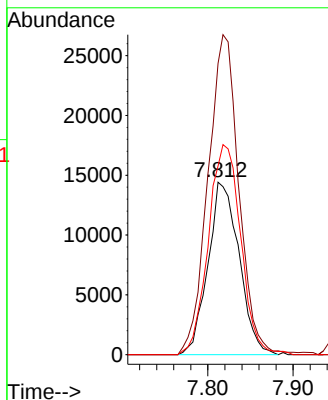
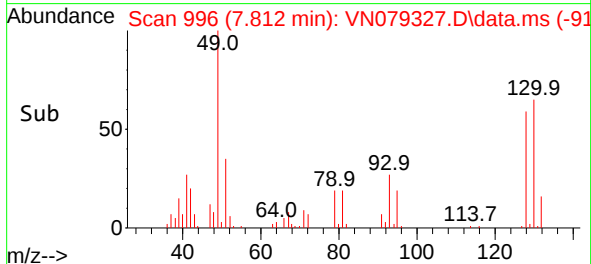
Instrument :
MSVOA_N
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VSTDCCC020



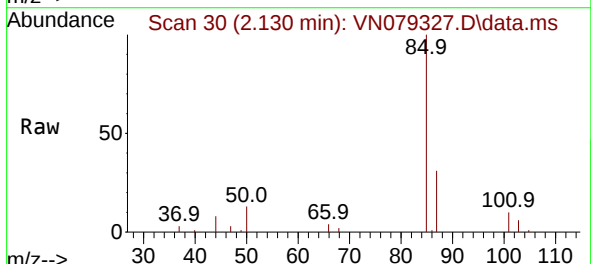
Tgt Ion:128 Resp: 36554
Ion Ratio Lower Upper
128 100
49 184.1 0.0 414.3
130 126.9 0.0 311.0

Manual Integrations
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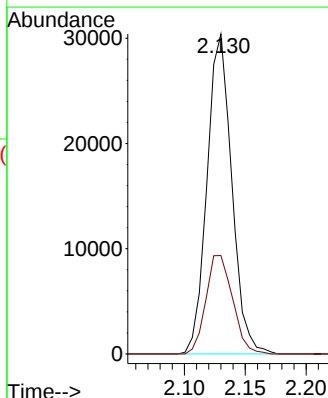
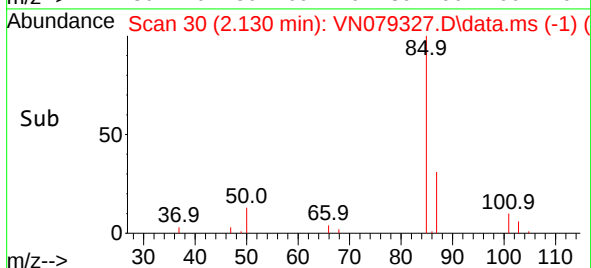
Reviewed By :John Carlone 09/25/2023
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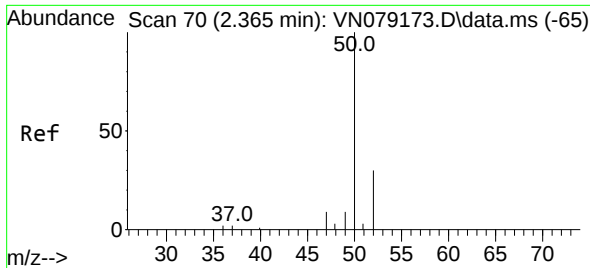


#2
Dichlorodifluoromethane
Concen: 21.117 ug/l
RT: 2.130 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13



Tgt Ion: 85 Resp: 43052
Ion Ratio Lower Upper
85 100
87 30.8 17.3 51.7





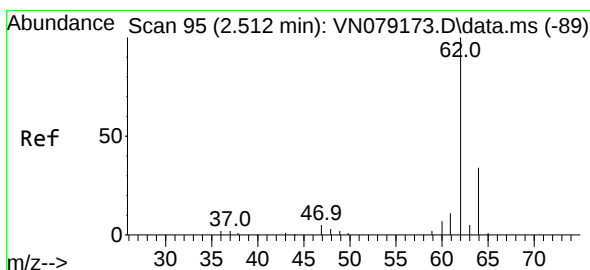
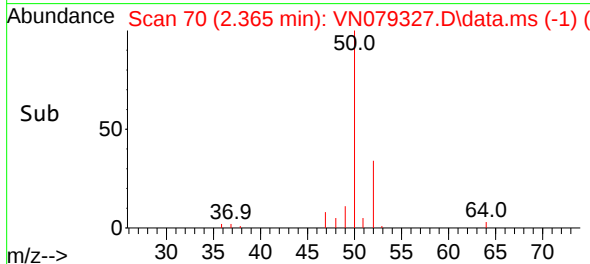
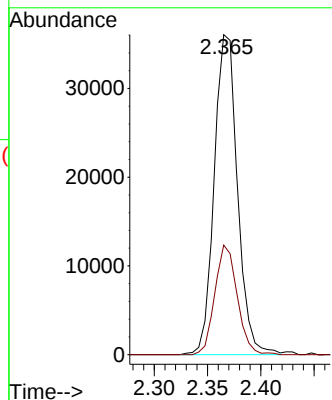
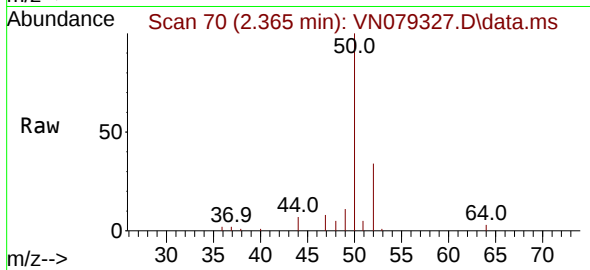
#3
Chloromethane
Concen: 26.767 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :
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VSTDCCC020

Tgt Ion: 50 Resp: 54719
Ion Ratio Lower Upper
50 100
52 34.3 24.0 36.0

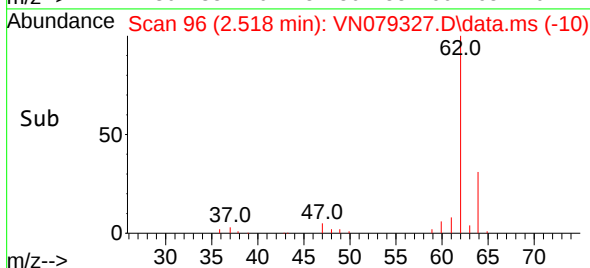
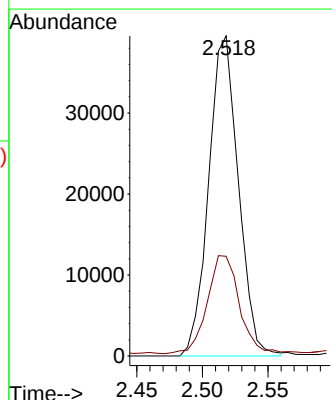
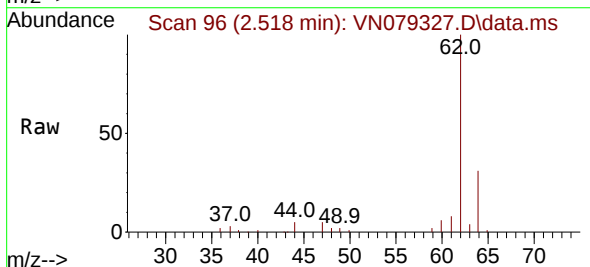
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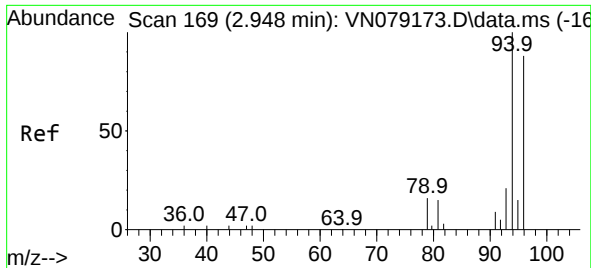
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#4
Vinyl Chloride
Concen: 30.784 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion: 62 Resp: 62262
Ion Ratio Lower Upper
62 100
64 29.9 27.1 40.7





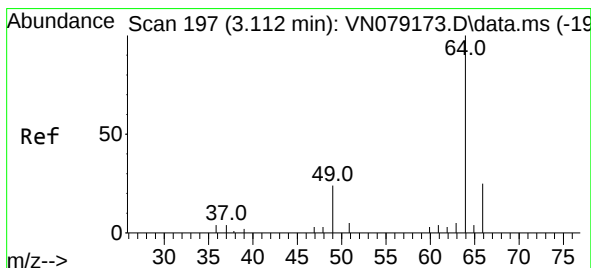
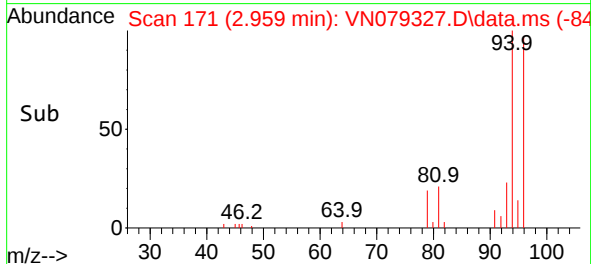
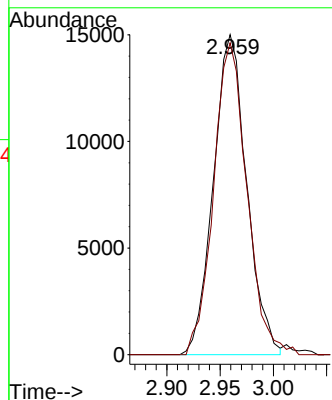
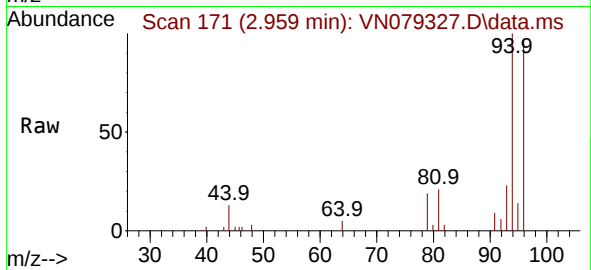
#5
Bromomethane
Concen: 26.286 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

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Tgt Ion: 94 Resp: 32630
Ion Ratio Lower Upper
94 100
96 97.4 70.6 105.8

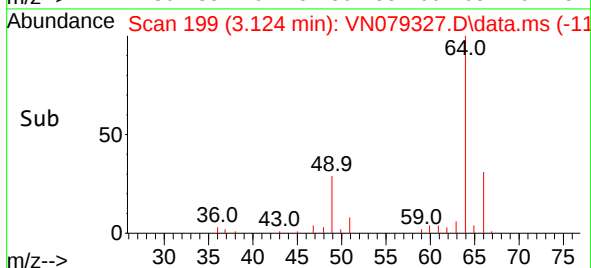
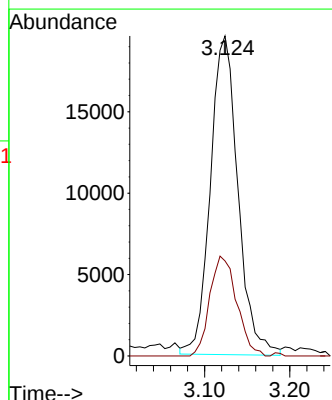
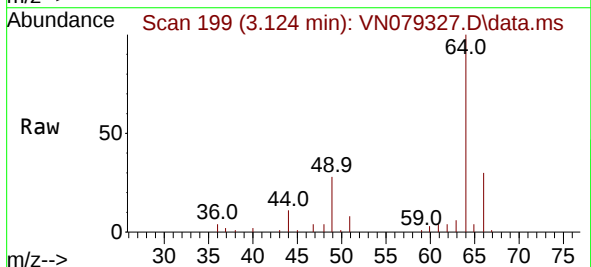
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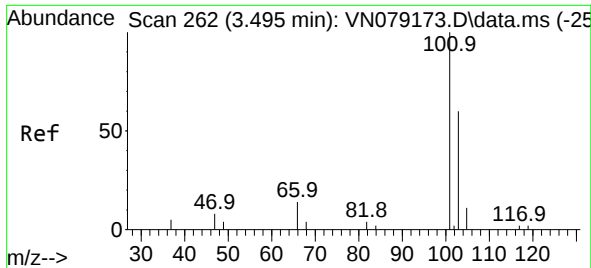
Reviewed By :John Carlone 09/25/2023
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#6
Chloroethane
Concen: 35.534 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.012 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

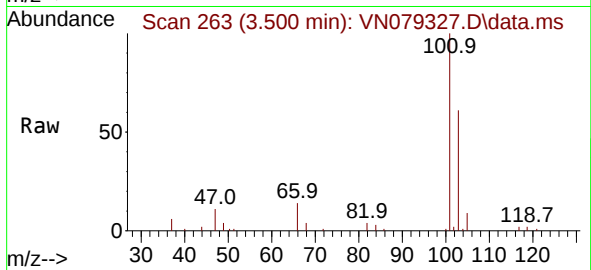
Tgt Ion: 64 Resp: 44014
Ion Ratio Lower Upper
64 100
66 30.3 20.1 30.1#





#7
 Trichlorofluoromethane
 Concen: 31.126 ug/l
 RT: 3.500 min Scan# 263
 Delta R.T. 0.005 min
 Lab File: VN079327.D
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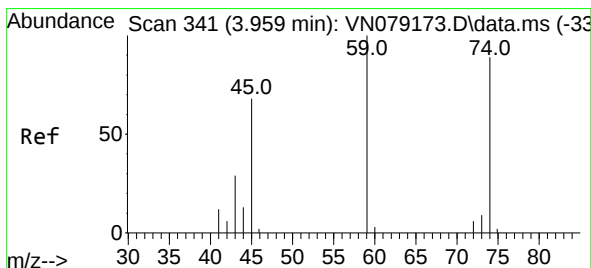
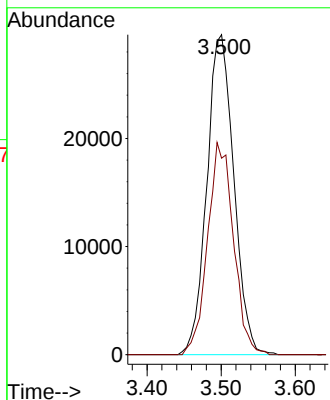
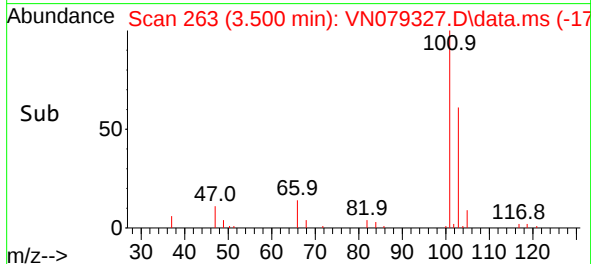
Instrument :
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Tgt Ion:101 Resp: 7494
 Ion Ratio Lower Upper
 101 100
 103 61.4 48.2 72.4

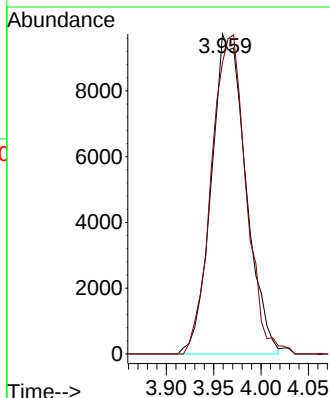
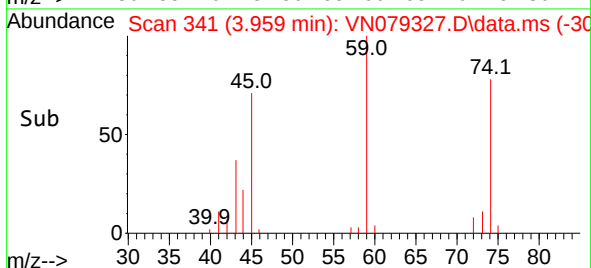
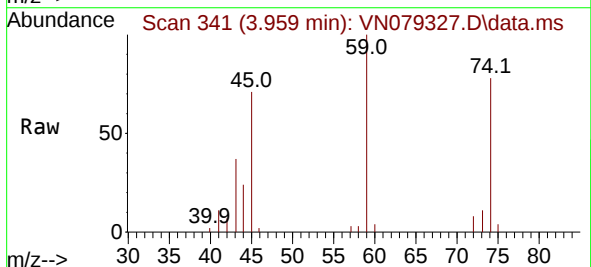
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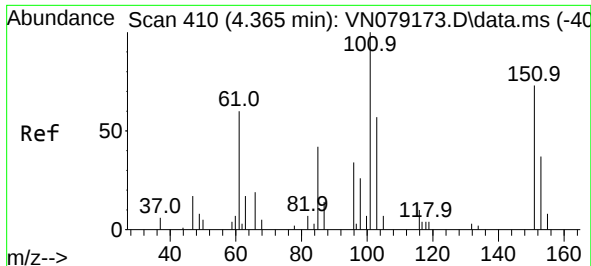
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#8
 Diethyl Ether
 Concen: 27.851 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VN079327.D
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Tgt Ion: 74 Resp: 24589
 Ion Ratio Lower Upper
 74 100
 45 100.1 17.6 158.0





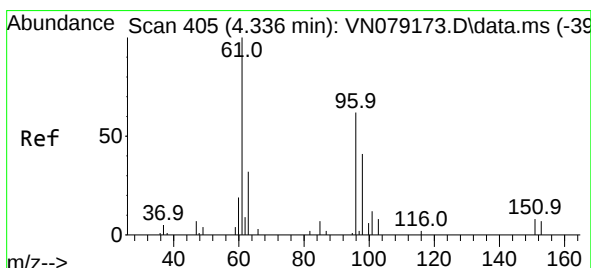
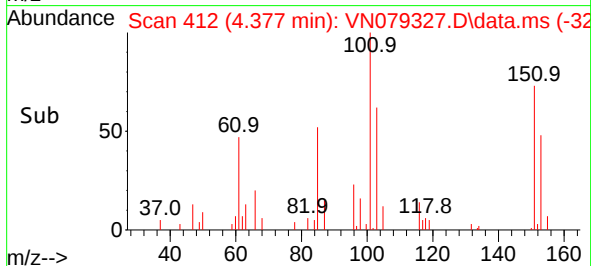
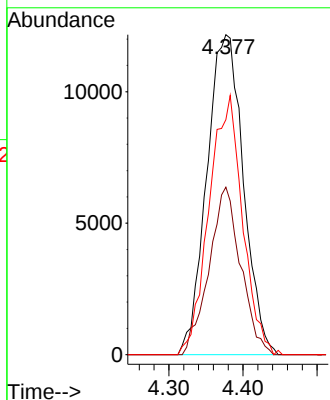
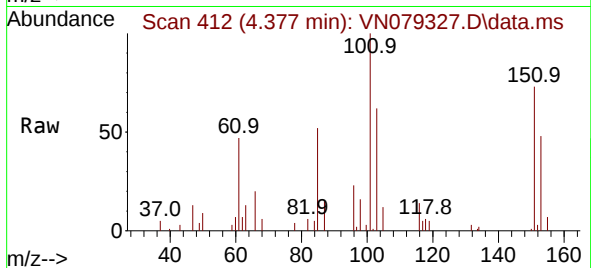
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1,1,2-Trichlorotrifluoroethane
Concen: 31.461 ug/l
RT: 4.377 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 4174
Ion Ratio Lower Upper
101 100
85 45.4 0.0 85.6
151 74.0 0.0 155.8

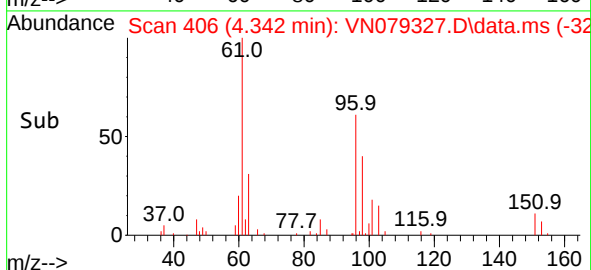
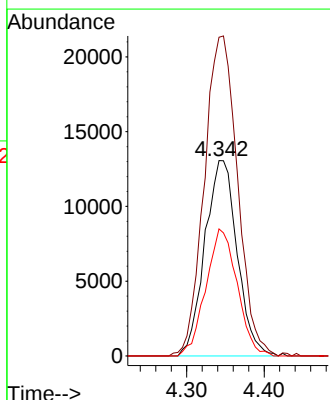
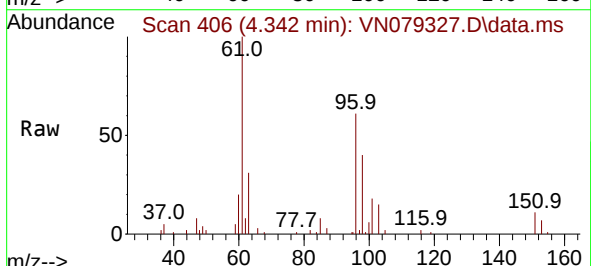
Manual Integrations
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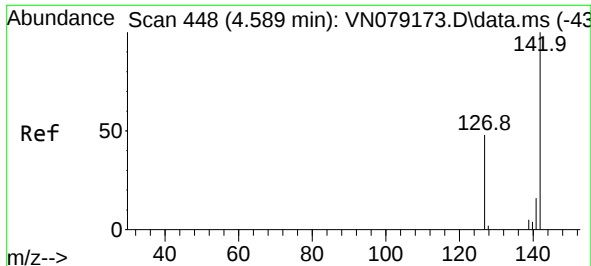
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#10
1,1-Dichloroethene
Concen: 29.430 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

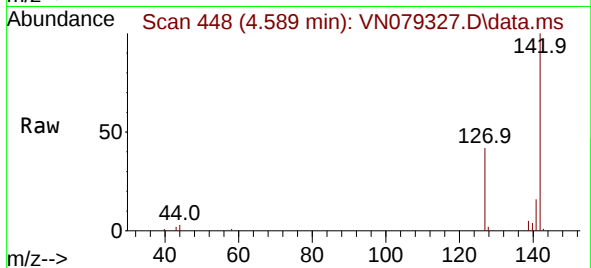
Tgt Ion: 96 Resp: 37839
Ion Ratio Lower Upper
96 100
61 163.1 130.2 195.2
98 65.0 52.3 78.5





#11
Methyl Iodide
Concen: 25.939 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

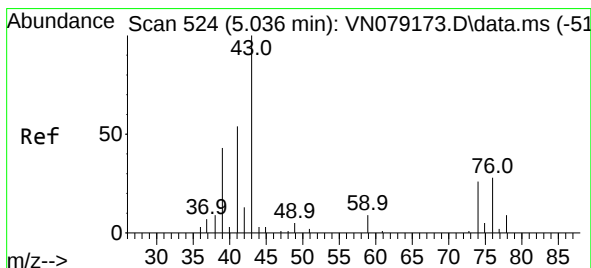
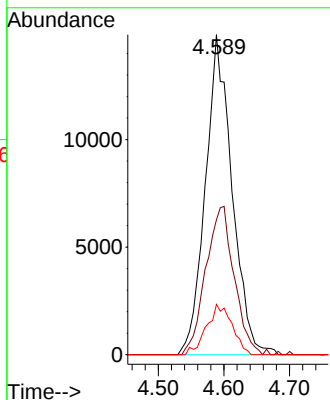
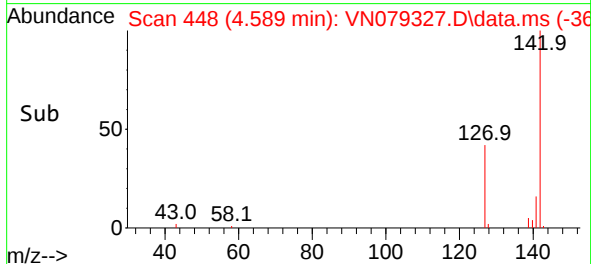
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 42009
Ion Ratio Lower Upper
142 100
127 41.6 23.8 71.4
141 15.7 8.2 24.6

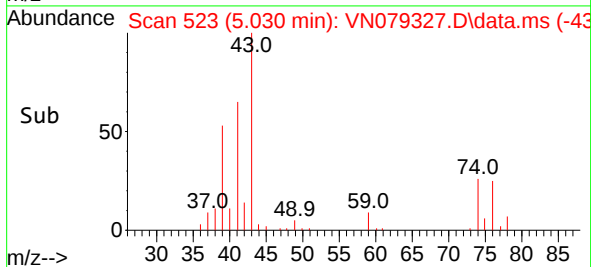
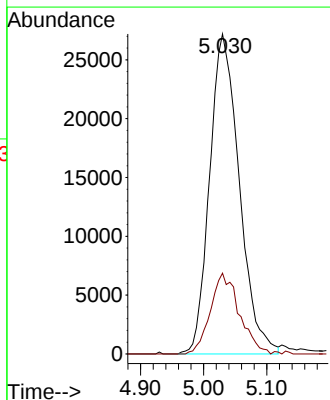
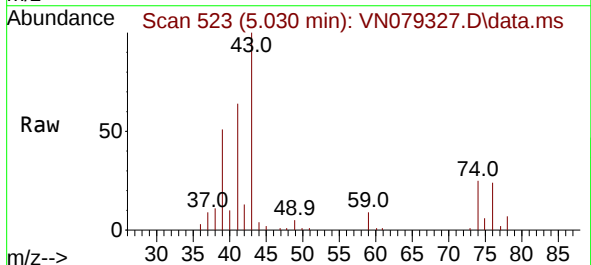
Manual Integrations
APPROVED

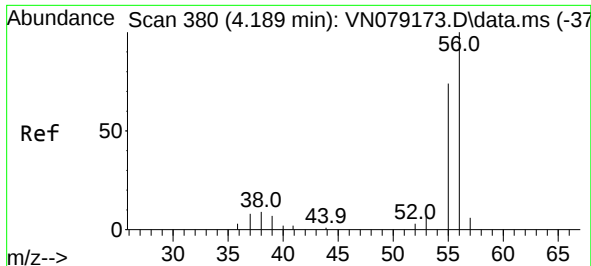
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#12
Methyl Acetate
Concen: 29.607 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion: 43 Resp: 88713
Ion Ratio Lower Upper
43 100
74 25.3 20.4 30.6





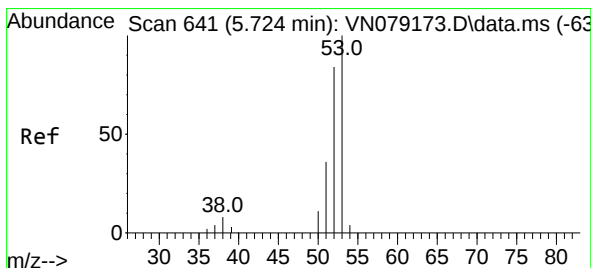
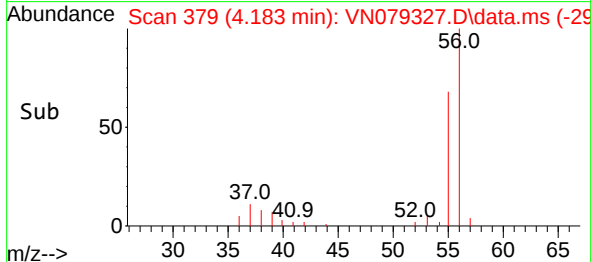
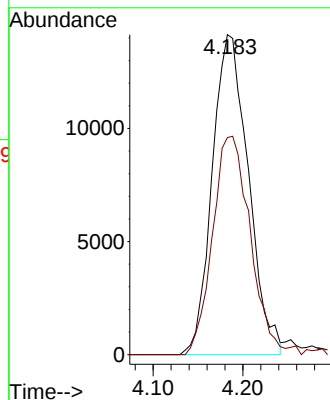
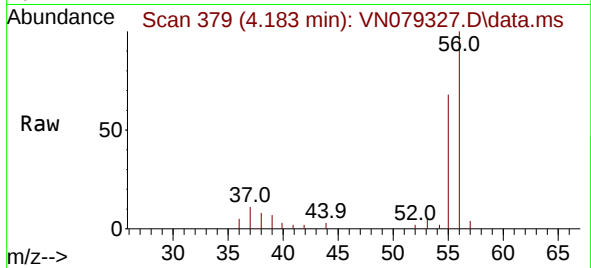
#13
Acrolein
Concen: 144.793 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 3951
Ion Ratio Lower Upper
56 100
55 70.8 57.7 86.5

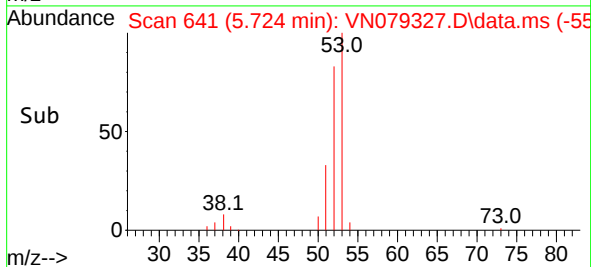
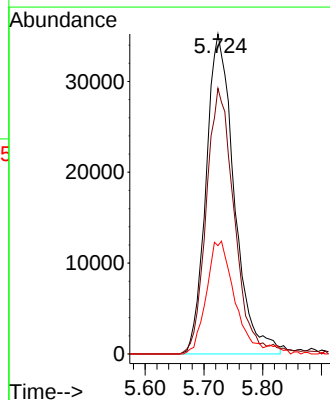
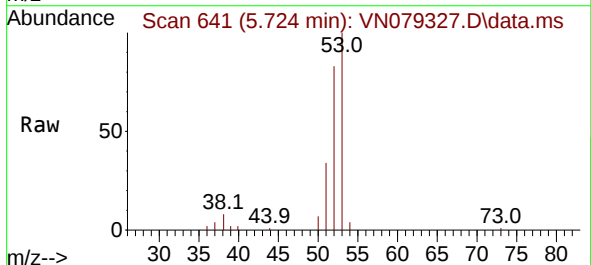
Manual Integrations
APPROVED

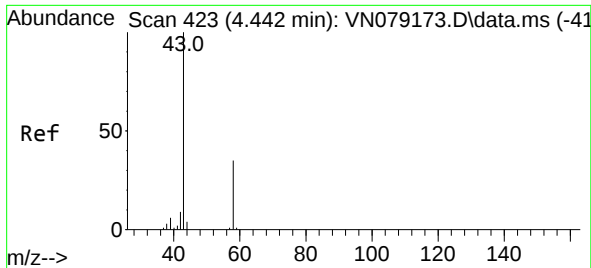
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#14
Acrylonitrile
Concen: 133.436 ug/l
RT: 5.724 min Scan# 641
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion: 53 Resp: 117297
Ion Ratio Lower Upper
53 100
52 81.2 41.4 124.4
51 34.5 17.3 51.9





#15

Acetone

Concen: 204.755 ug/l

RT: 4.436 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 4695

Ion Ratio Lower Upper

58 100

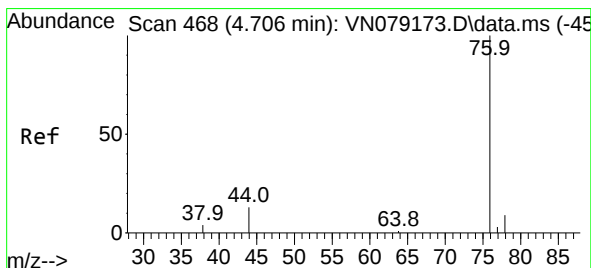
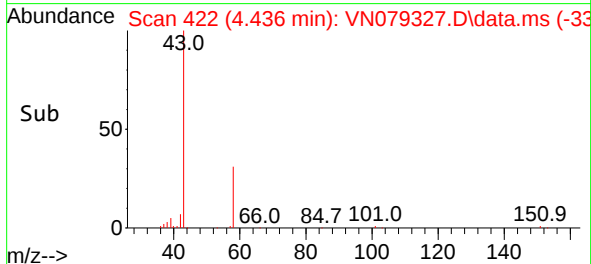
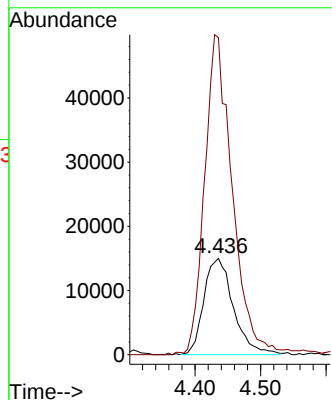
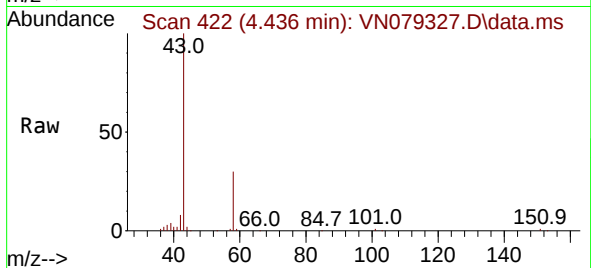
43 326.6 228.3 342.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/25/2023

Supervised By :Mahesh Dadoda 09/25/2023



#16

Carbon Disulfide

Concen: 28.203 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.012 min

Lab File: VN079327.D

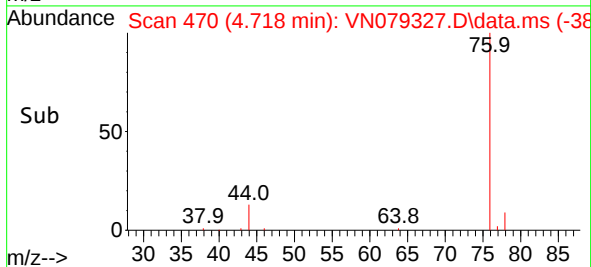
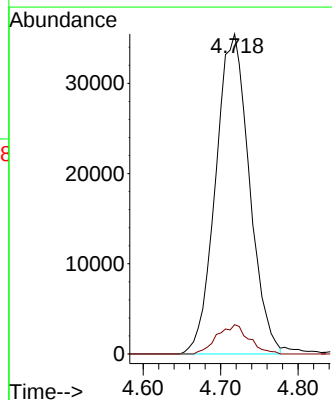
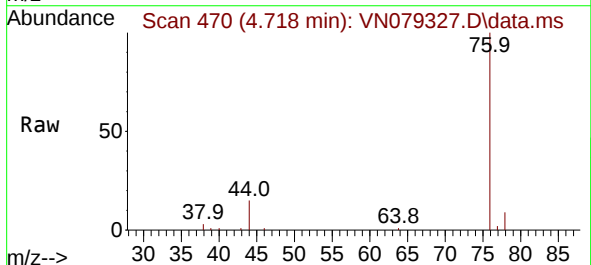
Acq: 22 Sep 2023 09:13

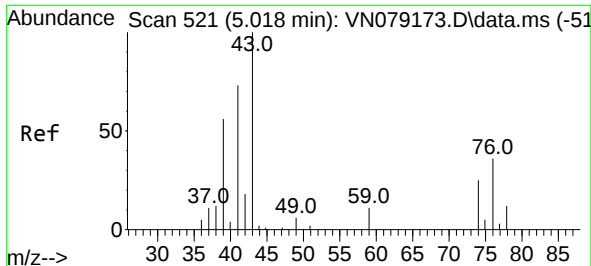
Tgt Ion: 76 Resp: 107148

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3





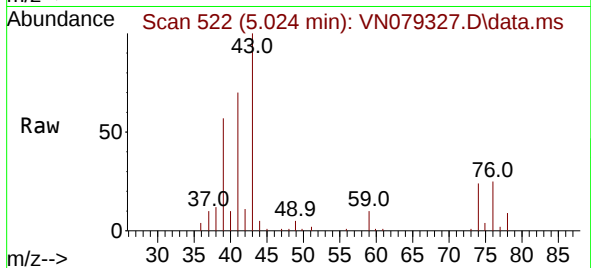
#17
 Allyl chloride
 Concen: 28.371 ug/l
 RT: 5.024 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN079327.D
 Acq: 22 Sep 2023 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



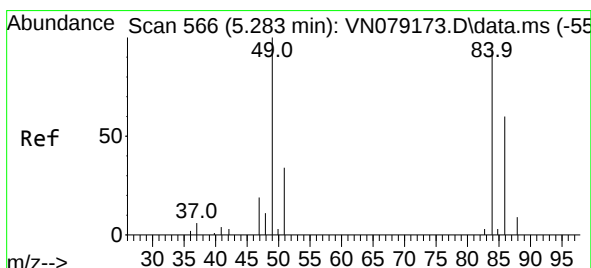
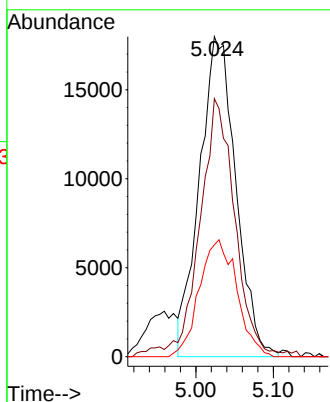
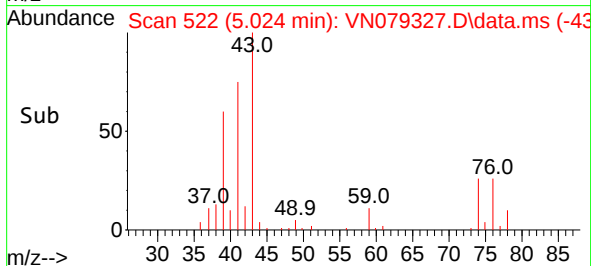
Tgt Ion: 41 Resp: 5861
 Ion Ratio Lower Upper
 41 100
 39 80.1 38.3 114.8
 76 35.4 23.7 71.1

Manual Integrations

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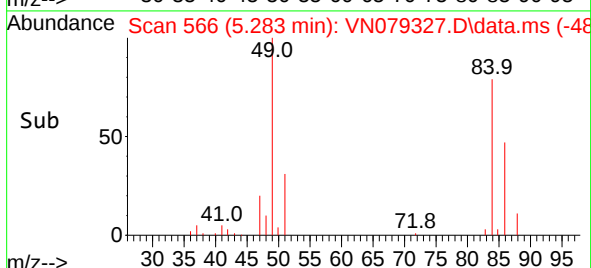
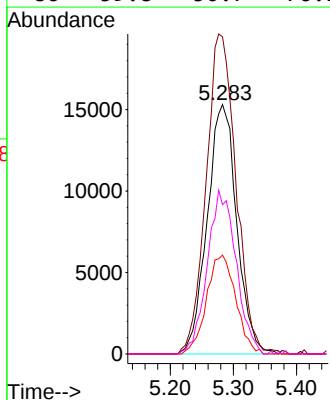
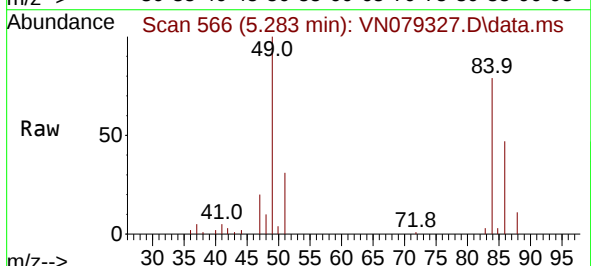
Reviewed By :John Carlone 09/25/2023

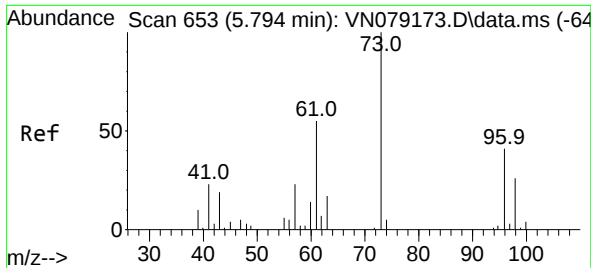
Supervised By :Mahesh Dadoda 09/25/2023



#18
 Methylene Chloride
 Concen: 28.801 ug/l
 RT: 5.283 min Scan# 566
 Delta R.T. -0.000 min
 Lab File: VN079327.D
 Acq: 22 Sep 2023 09:13

Tgt Ion: 84 Resp: 49667
 Ion Ratio Lower Upper
 84 100
 49 127.1 86.9 130.3
 51 39.6 28.6 43.0
 86 59.8 50.7 76.1





#19

trans-1,2-Dichloroethene

Concen: 27.633 ug/l

RT: 5.794 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 96 Resp: 4445

Ion Ratio Lower Upper

96 100

61 137.3 106.6 159.8

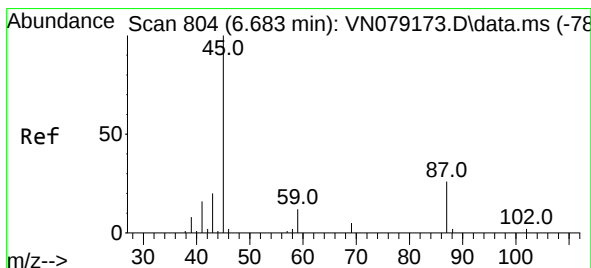
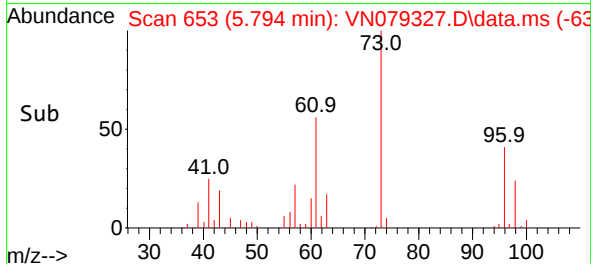
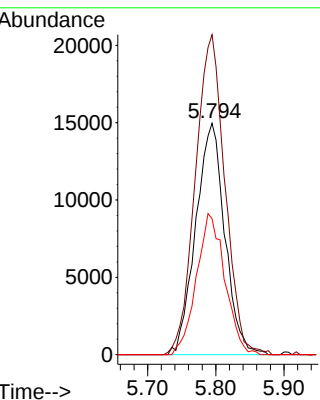
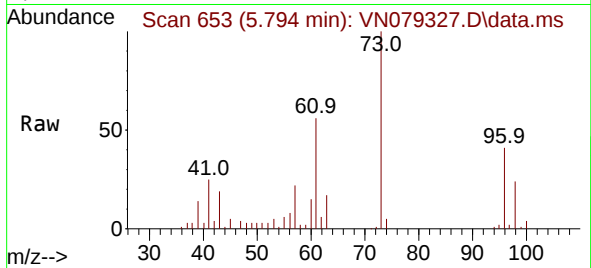
98 58.8 51.0 76.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/25/2023

Supervised By :Mahesh Dadoda 09/25/2023



#20

Diisopropyl ether

Concen: 24.201 ug/l

RT: 6.683 min Scan# 804

Delta R.T. -0.000 min

Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

Tgt Ion: 45 Resp: 149262

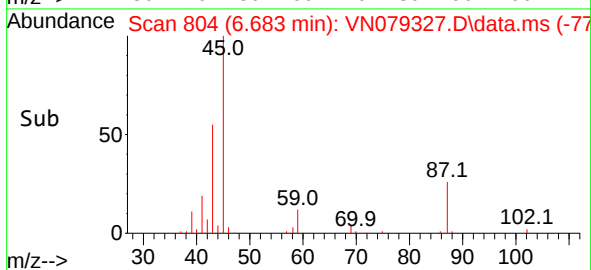
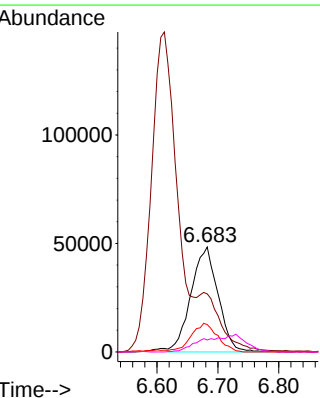
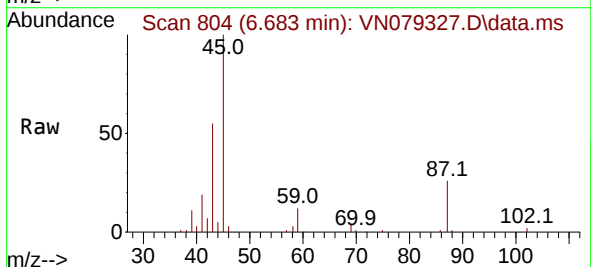
Ion Ratio Lower Upper

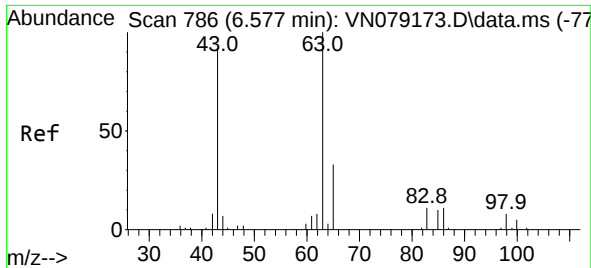
45 100

43 54.0 34.9 52.3#

87 26.1 21.5 32.3

59 11.2 9.7 14.5





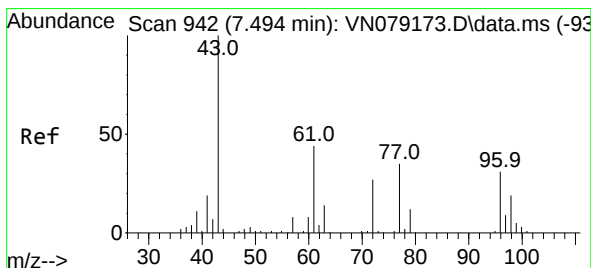
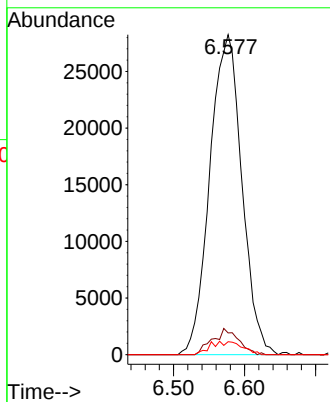
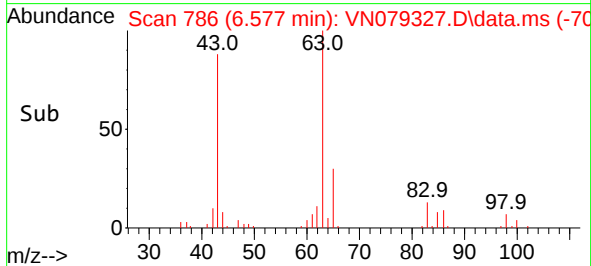
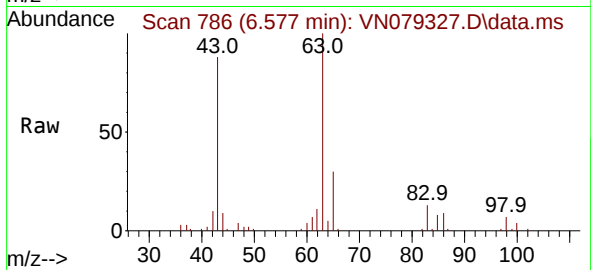
#21
1,1-Dichloroethane
Concen: 24.451 ug/l
RT: 6.577 min Scan# 786
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 88348
Ion Ratio Lower Upper
63 100
98 6.8 3.9 11.5
100 4.0 2.5 7.5

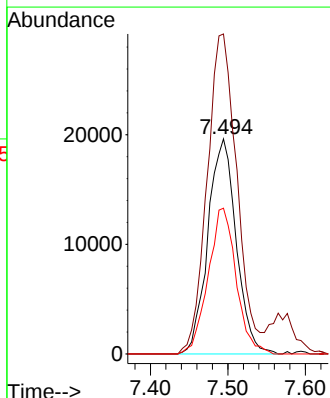
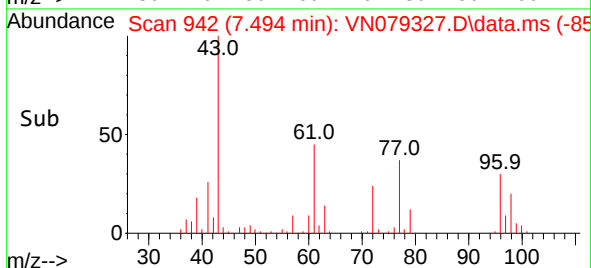
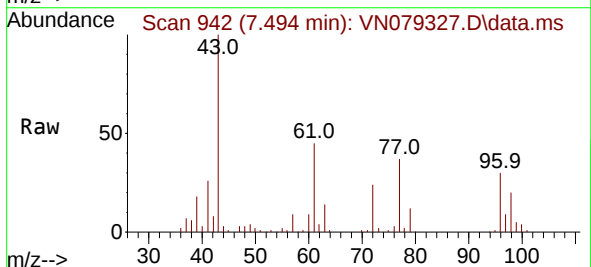
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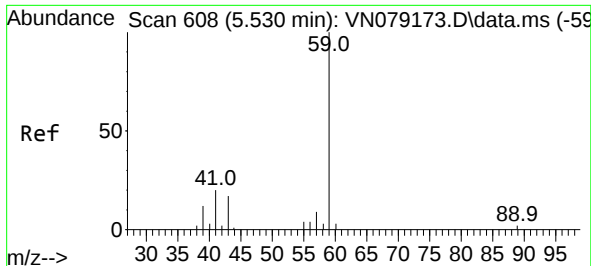
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#22
cis-1,2-Dichloroethene
Concen: 19.847 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion: 96 Resp: 49930
Ion Ratio Lower Upper
96 100
61 155.8 113.0 169.6
98 67.0 50.2 75.4





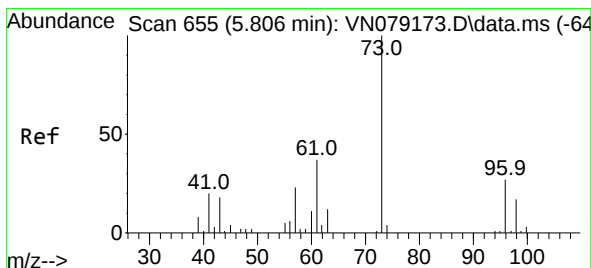
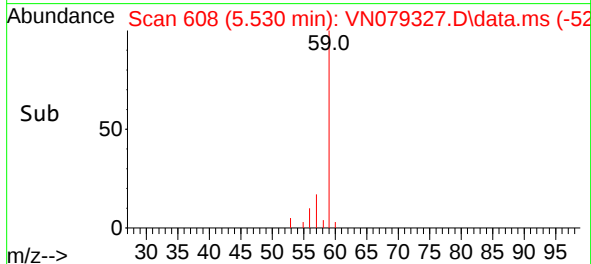
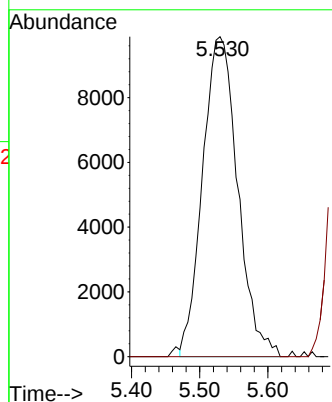
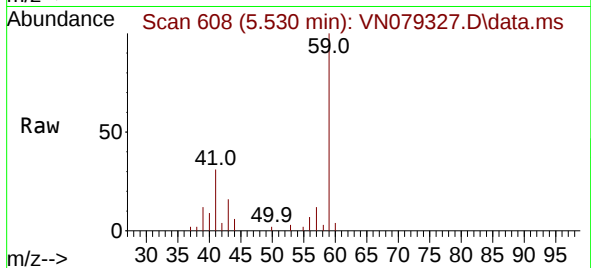
#23
tert-Butyl Alcohol
Concen: 104.721 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 3541
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

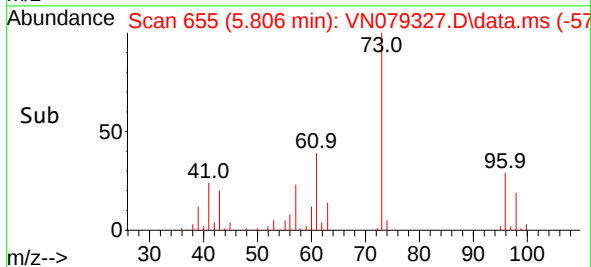
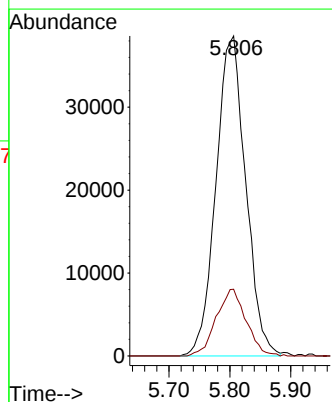
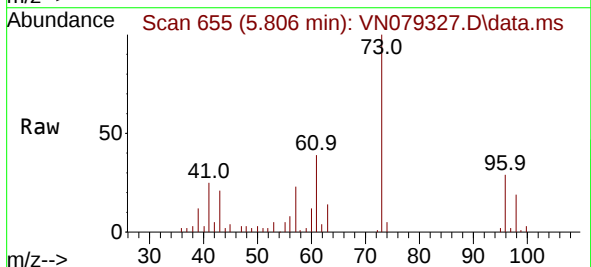
Manual Integrations
APPROVED

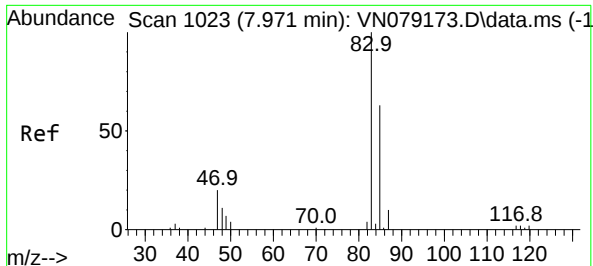
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#24
Methyl tert-Butyl Ether
Concen: 25.807 ug/l
RT: 5.806 min Scan# 655
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion: 73 Resp: 130951
Ion Ratio Lower Upper
73 100
43 20.9 14.7 22.1





#25

Chloroform

Concen: 21.527 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 9379

Ion Ratio Lower Upper

83 100

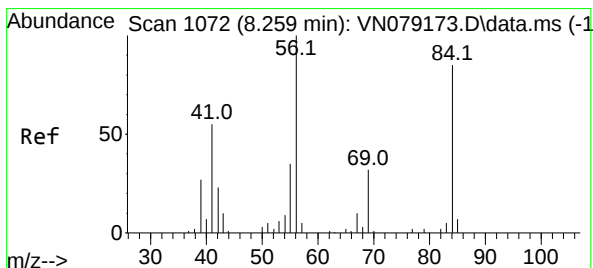
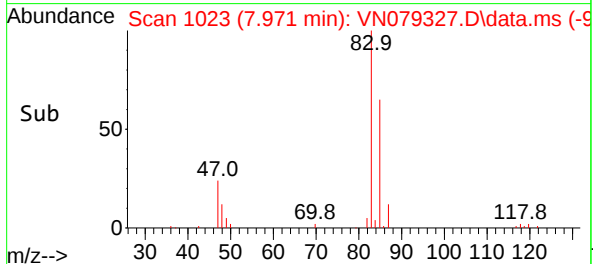
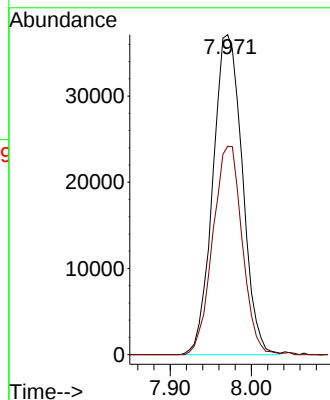
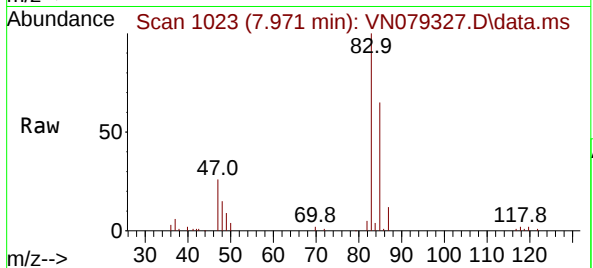
85 65.2 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/25/2023

Supervised By :Mahesh Dadoda 09/25/2023



#26

Cyclohexane

Concen: 19.456 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. -0.000 min

Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

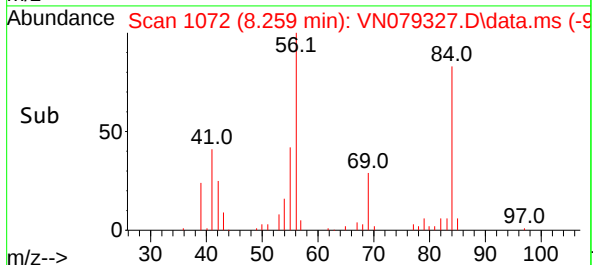
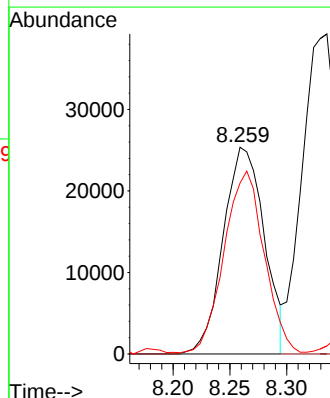
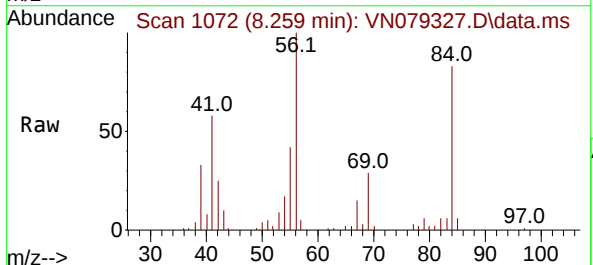
Tgt Ion: 56 Resp: 63748

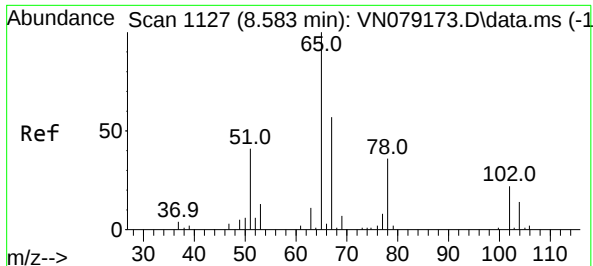
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 86.9 71.1 106.7





#27
1,2-Dichloroethane-d4
Concen: 32.607 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :

MSVOA_N

ClientSampleId :

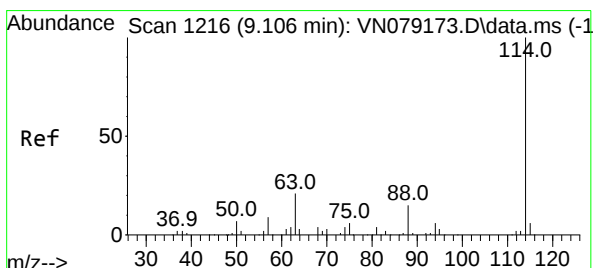
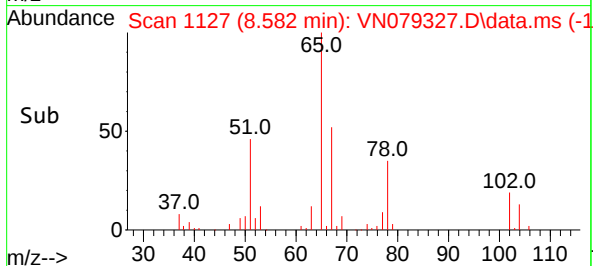
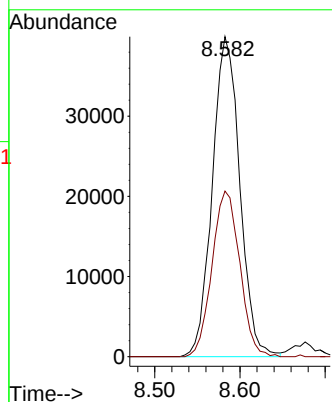
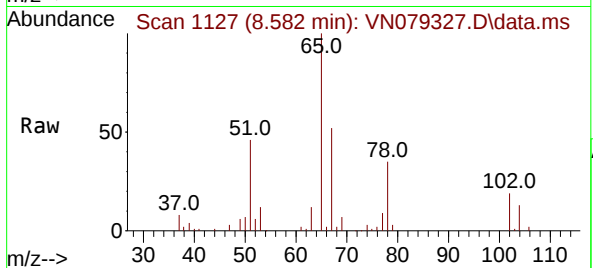
VSTDCCC020

Tgt Ion: 65 Resp: 89549
Ion Ratio Lower Upper
65 100
67 52.2 44.4 66.6

Manual Integrations

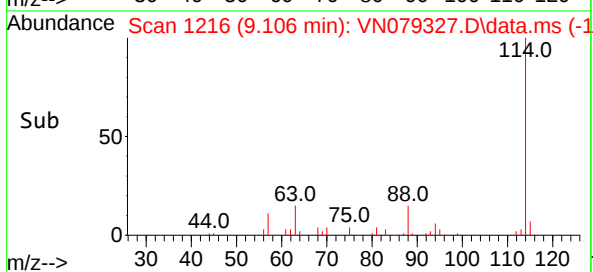
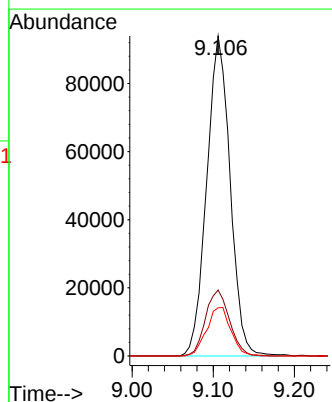
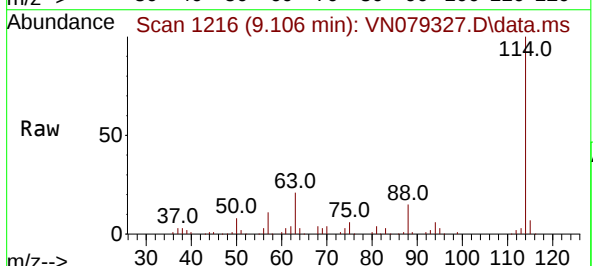
APPROVED

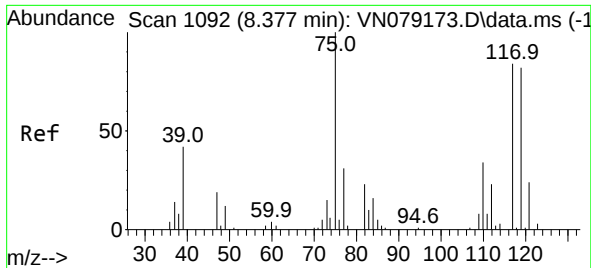
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion:114 Resp: 188242
Ion Ratio Lower Upper
114 100
63 21.1 17.0 25.4
88 15.6 12.8 19.2





#29
1,1-Dichloropropene
Concen: 21.578 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

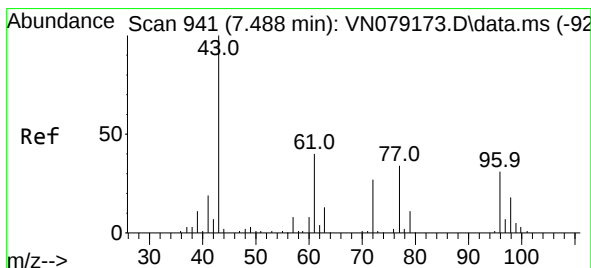
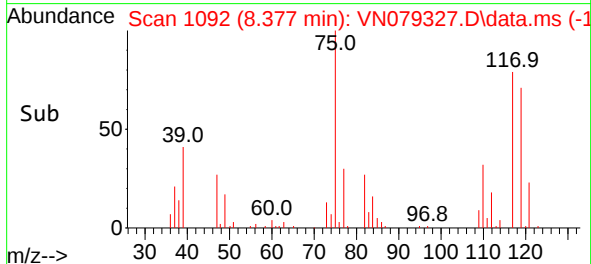
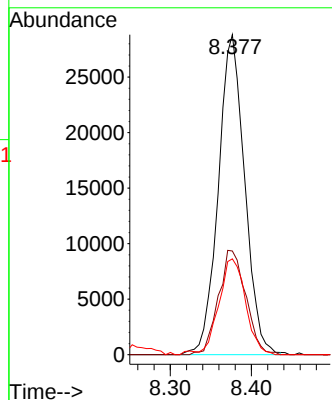
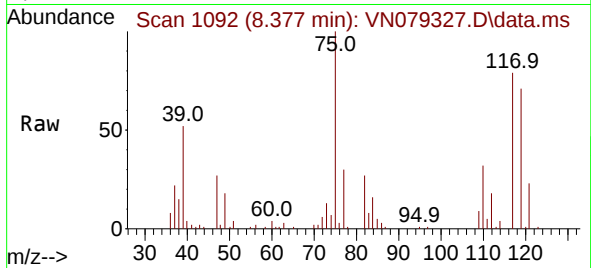
Tgt Ion: 75 Resp: 65125
Ion Ratio Lower Upper
75 100
110 31.7 0.0 68.4
77 29.9 0.0 63.2

Manual Integrations

APPROVED

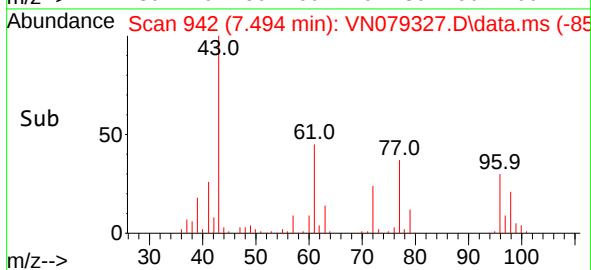
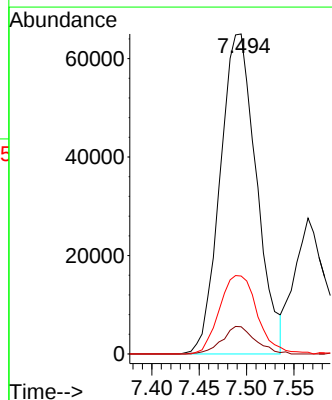
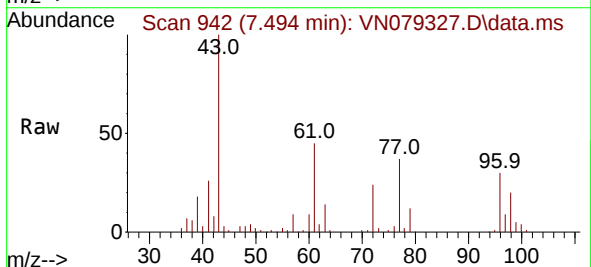
Reviewed By :John Carlone 09/25/2023

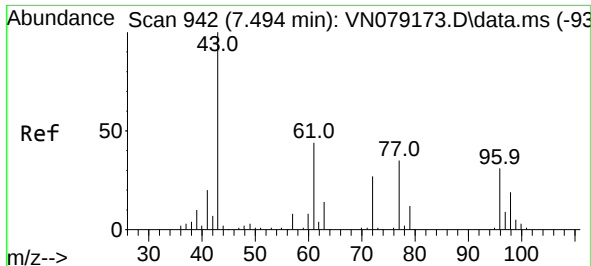
Supervised By :Mahesh Dadoda 09/25/2023



#30
2-Butanone
Concen: 114.205 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

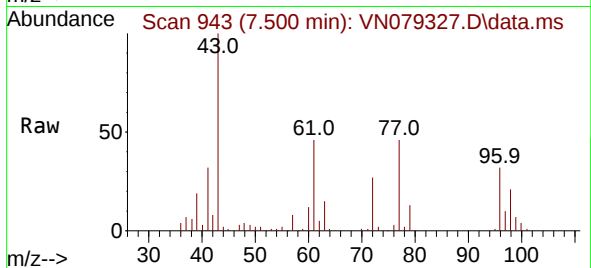
Tgt Ion: 43 Resp: 173368
Ion Ratio Lower Upper
43 100
57 7.8 6.8 10.2
72 25.5 22.4 33.6





#31
2,2-Dichloropropane
Concen: 23.636 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

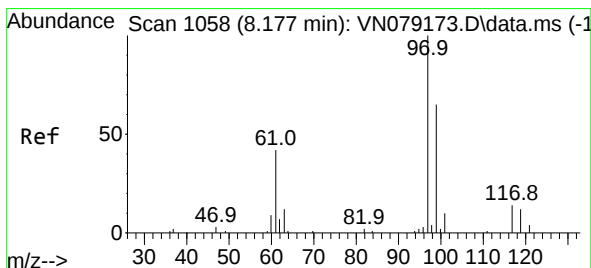
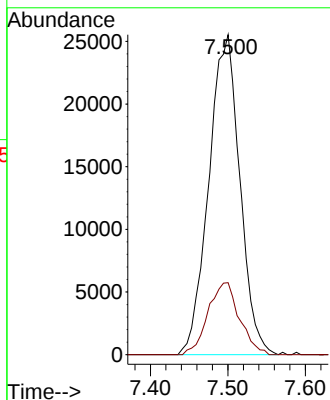
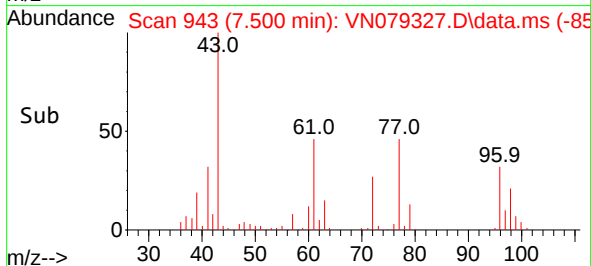
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



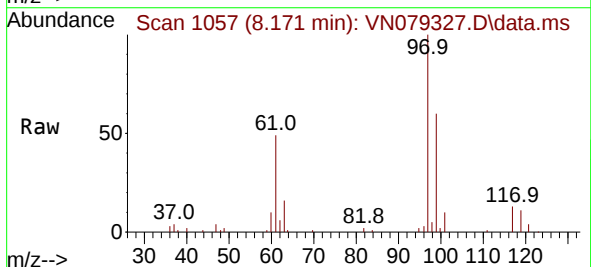
Tgt Ion: 77 Resp: 7115
Ion Ratio Lower Upper
77 100
97 22.8 17.8 26.8

Manual Integrations
APPROVED

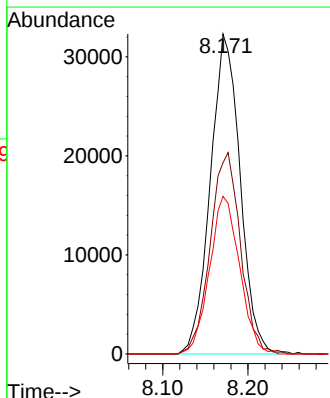
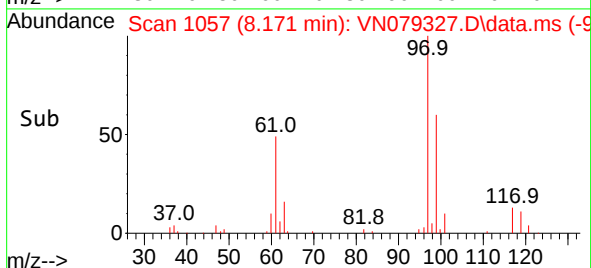
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023

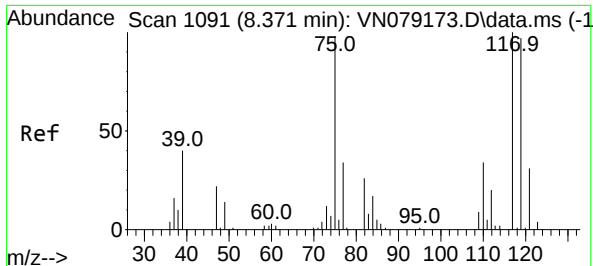


#32
1,1,1-Trichloroethane
Concen: 22.000 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13



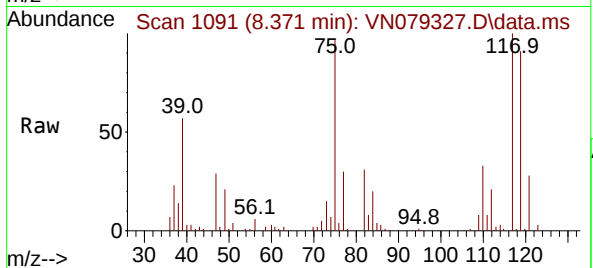
Tgt Ion: 97 Resp: 78226
Ion Ratio Lower Upper
97 100
99 64.2 52.0 78.0
61 49.9 33.4 50.0





#33
Carbon Tetrachloride
Concen: 22.296 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

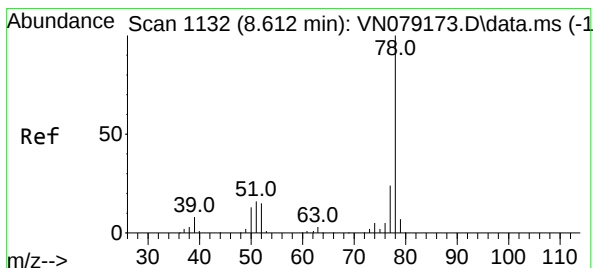
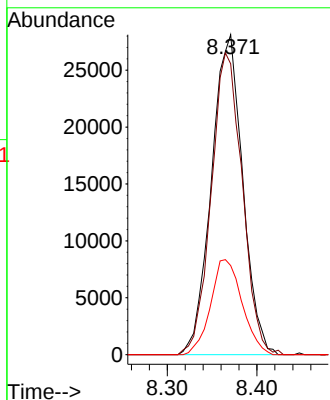
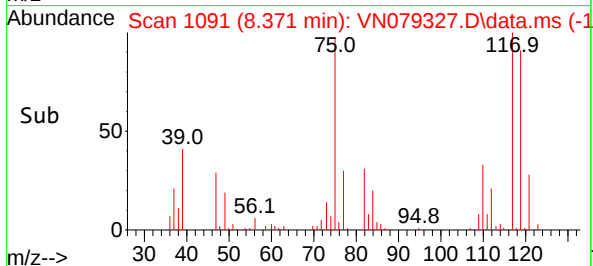
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 68100
Ion Ratio Lower Upper
117 100
119 90.9 77.9 116.9
121 27.9 25.1 37.7

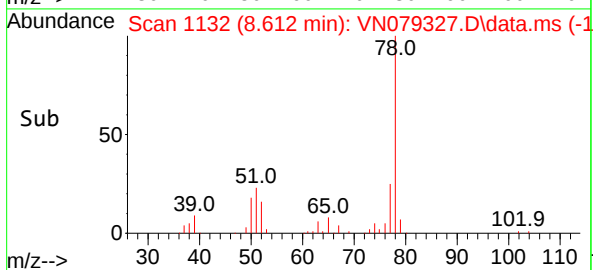
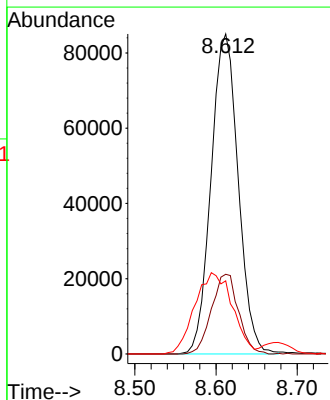
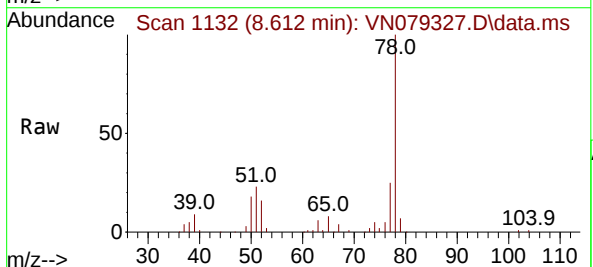
Manual Integrations
APPROVED

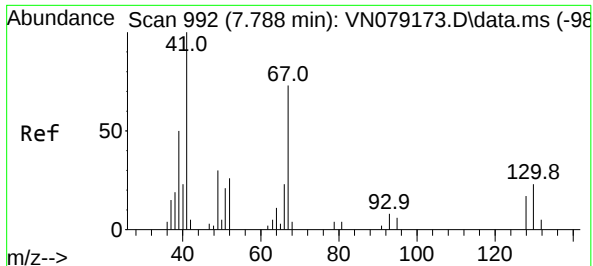
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#34
Benzene
Concen: 20.611 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion: 78 Resp: 197640
Ion Ratio Lower Upper
78 100
77 24.9 18.9 28.3
51 20.5 13.1 19.7#





#35
Methacrylonitrile
Concen: 20.700 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :

MSVOA_N

ClientSampleId :

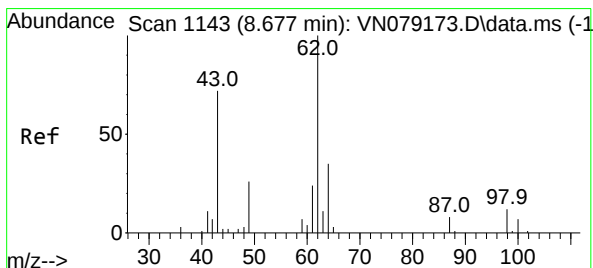
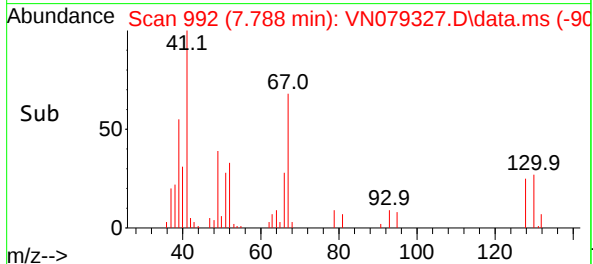
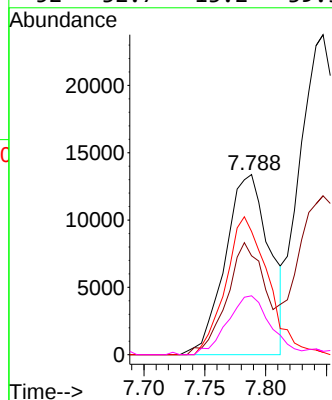
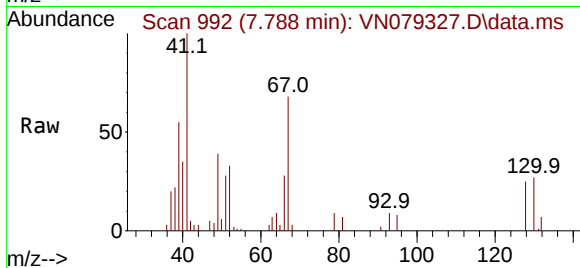
VSTDCCC020

Tgt Ion: 41 Resp: 3383
Ion Ratio Lower Upper
41 100
39 54.9 24.9 74.6
67 68.4 36.7 110.1
52 32.7 13.2 39.5

Manual Integrations

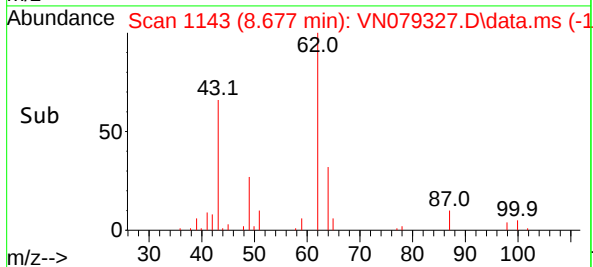
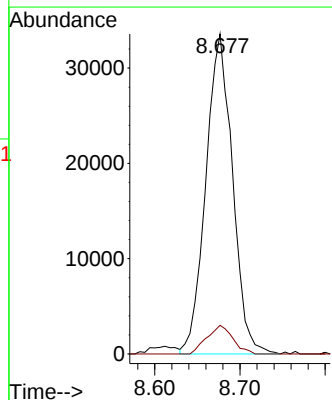
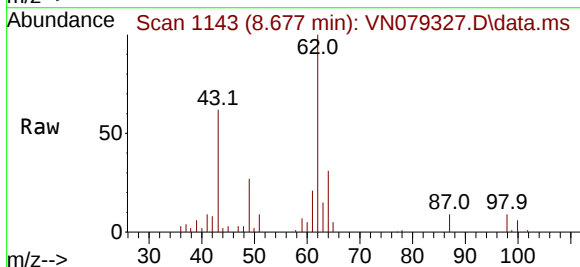
APPROVED

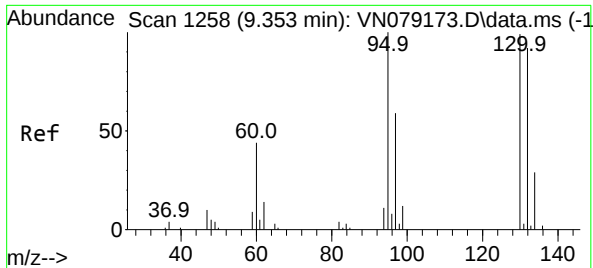
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#36
1,2-Dichloroethane
Concen: 23.124 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion: 62 Resp: 73129
Ion Ratio Lower Upper
62 100
98 8.7 8.2 12.2





#37

Trichloroethene

Concen: 19.606 ug/l

RT: 9.359 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 4443

Ion Ratio Lower Upper

130 100

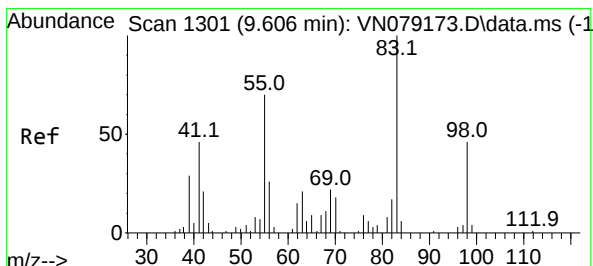
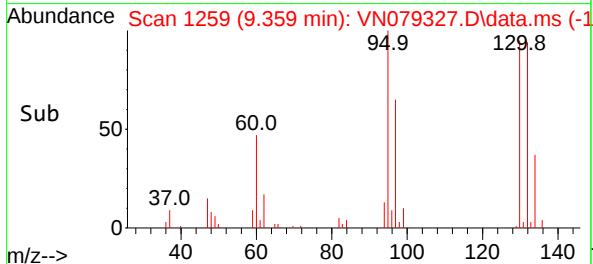
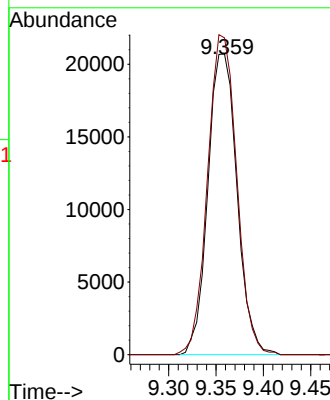
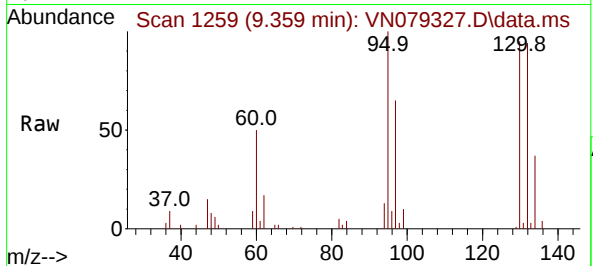
95 105.4 81.0 121.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/25/2023

Supervised By :Mahesh Dadoda 09/25/2023



#38

Methylcyclohexane

Concen: 19.753 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

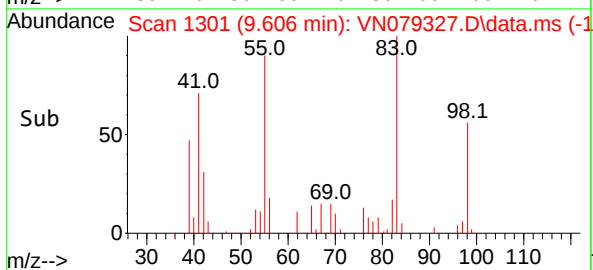
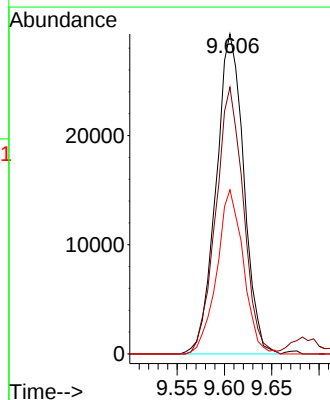
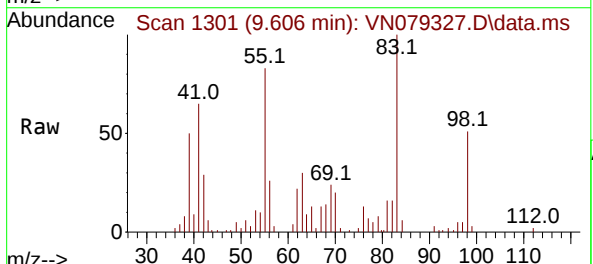
Tgt Ion: 83 Resp: 59599

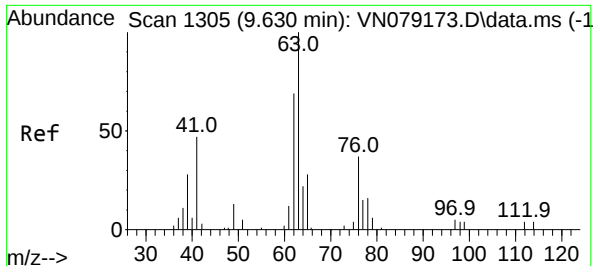
Ion Ratio Lower Upper

83 100

55 83.0 39.1 117.2

98 49.3 24.1 72.4





#39

1,2-Dichloropropane

Concen: 21.529 ug/l

RT: 9.629 min Scan# 11

Delta R.T. -0.001 min

Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 5325

Ion Ratio Lower Upper

63 100

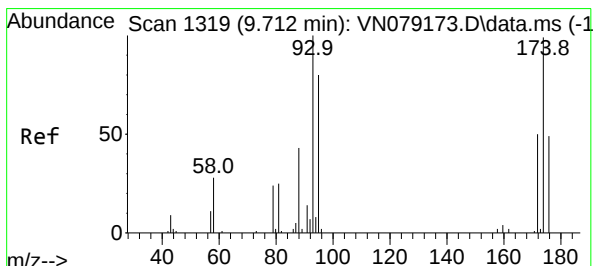
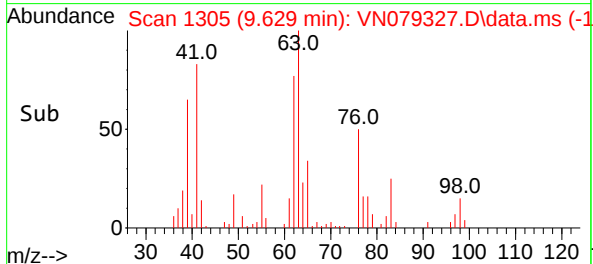
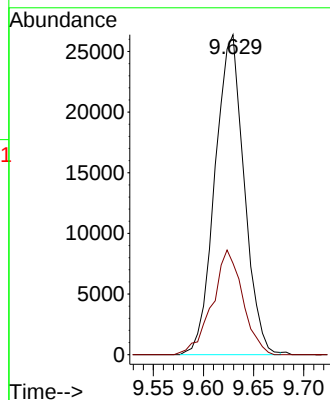
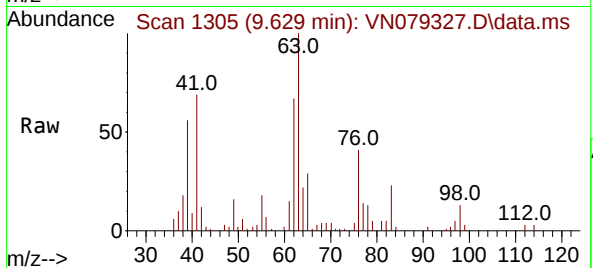
65 28.5 23.4 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/25/2023

Supervised By :Mahesh Dadoda 09/25/2023



#40

Dibromomethane

Concen: 21.644 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

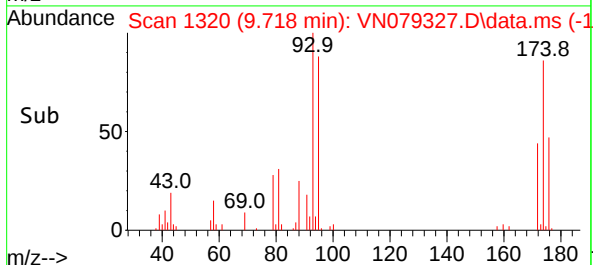
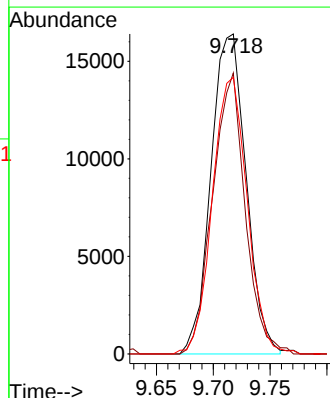
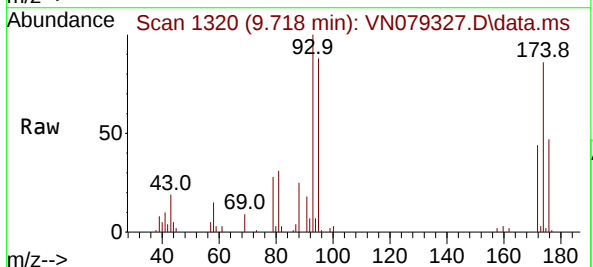
Tgt Ion: 93 Resp: 35306

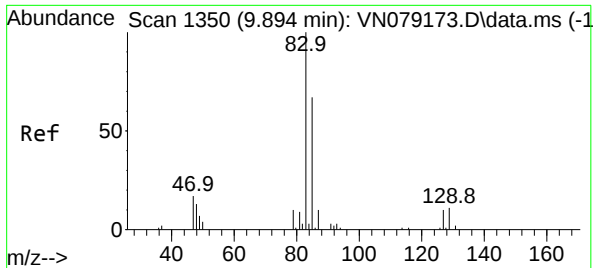
Ion Ratio Lower Upper

93 100

95 81.4 0.0 172.4

174 85.7 0.0 192.4





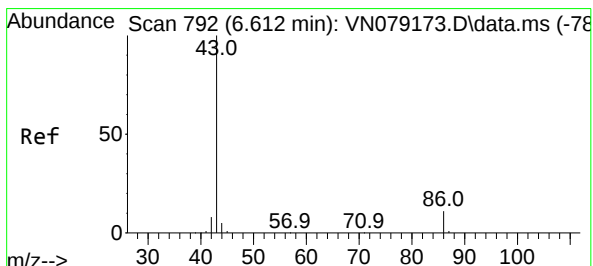
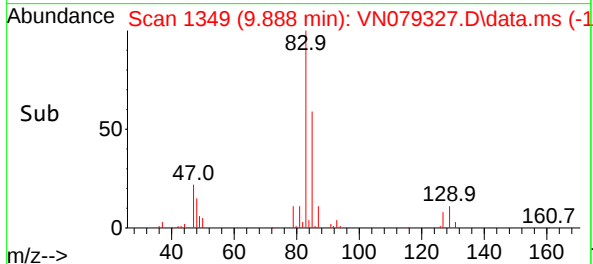
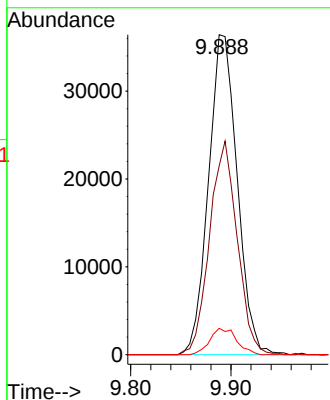
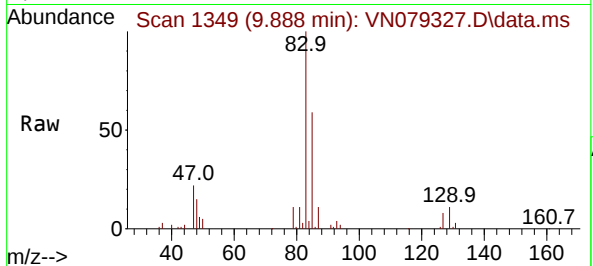
#41
Bromodichloromethane
Concen: 22.299 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 72508
Ion Ratio Lower Upper
83 100
85 58.9 53.4 80.2
127 8.2 8.3 12.5

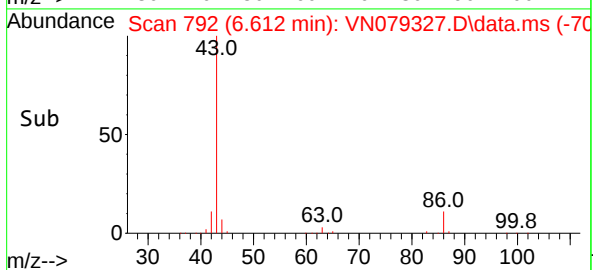
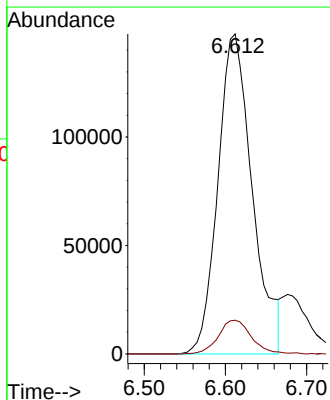
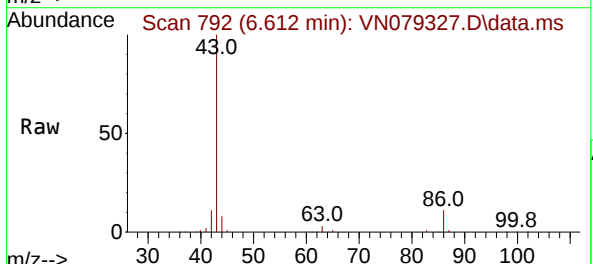
Manual Integrations
APPROVED

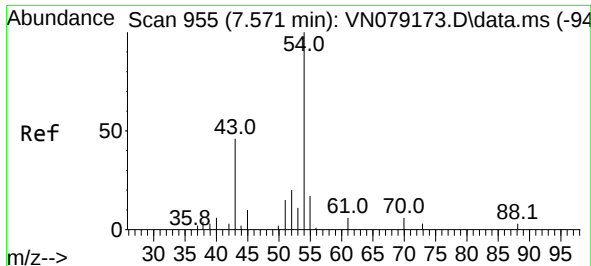
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#42
Vinyl Acetate
Concen: 120.580 ug/l
RT: 6.612 min Scan# 792
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

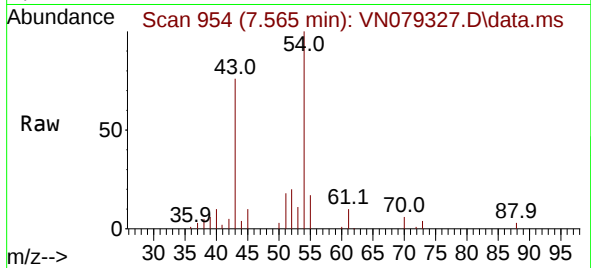
Tgt Ion: 43 Resp: 434712
Ion Ratio Lower Upper
43 100
86 10.1 9.2 13.8





#43
Ethyl Acetate
Concen: 21.746 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

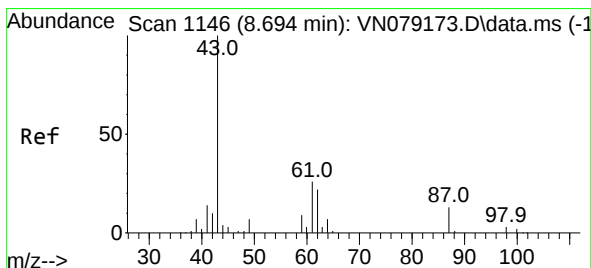
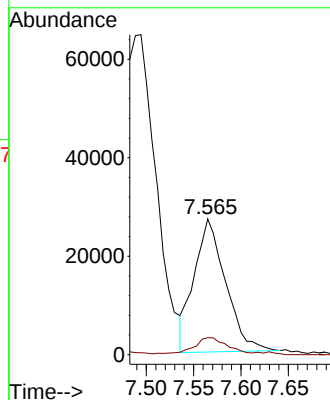
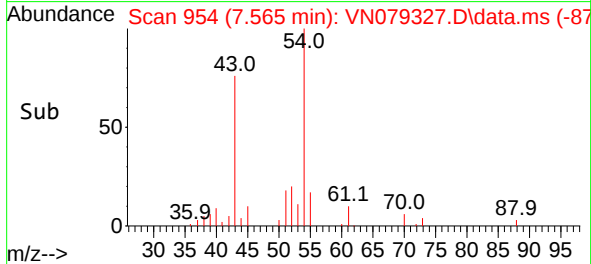
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 62690
Ion Ratio Lower Upper
43 100
45 14.1 11.1 16.7

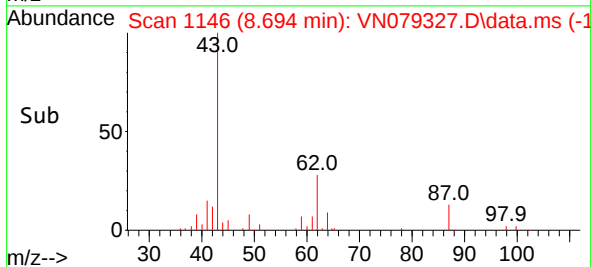
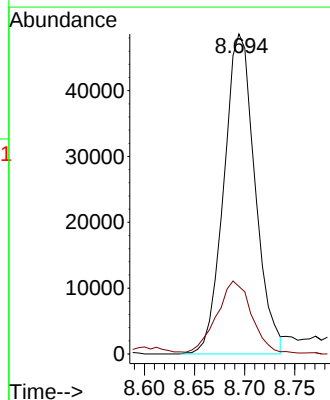
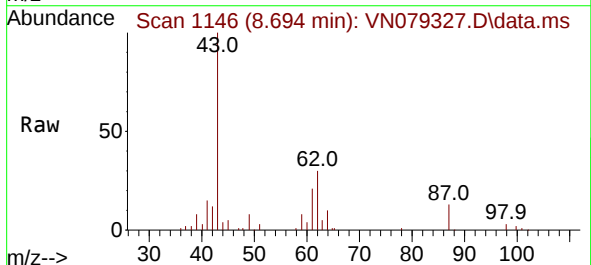
Manual Integrations
APPROVED

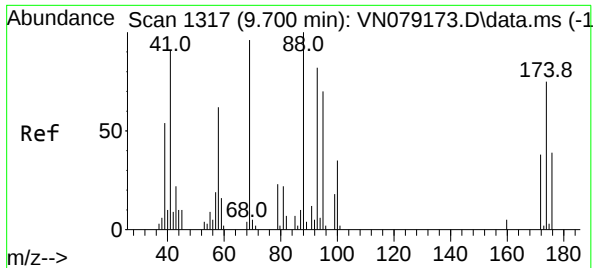
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#44
Isopropyl Acetate
Concen: 20.238 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

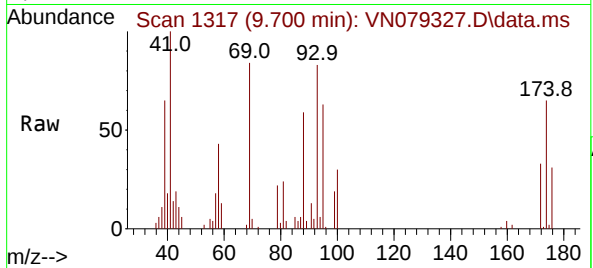
Tgt Ion: 43 Resp: 104961
Ion Ratio Lower Upper
43 100
61 25.3 22.6 33.8





#45
1,4-Dioxane
Concen: 345.980 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

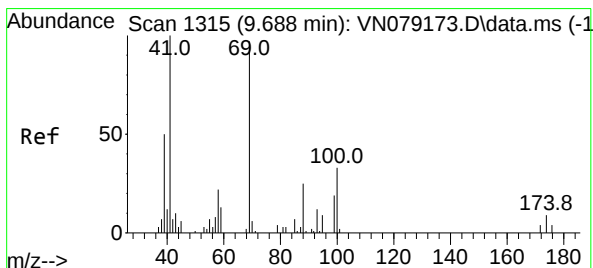
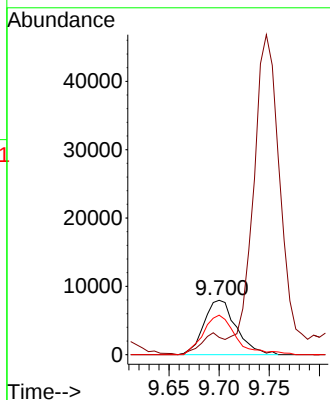
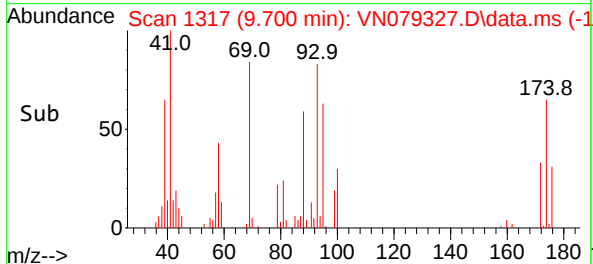
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



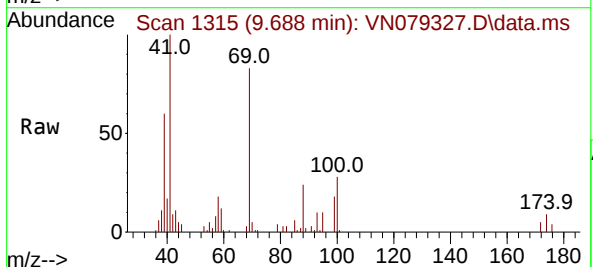
Tgt Ion: 88 Resp: 1786
Ion Ratio Lower Upper
88 100
43 27.6 19.9 29.9
58 70.8 58.0 87.0

Manual Integrations
APPROVED

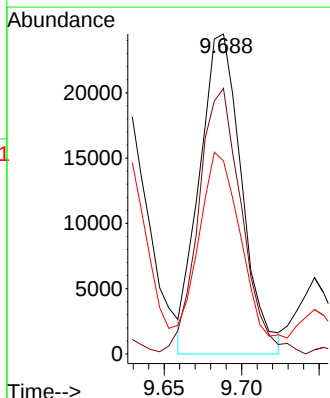
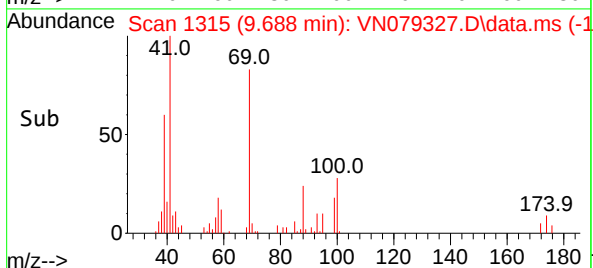
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023

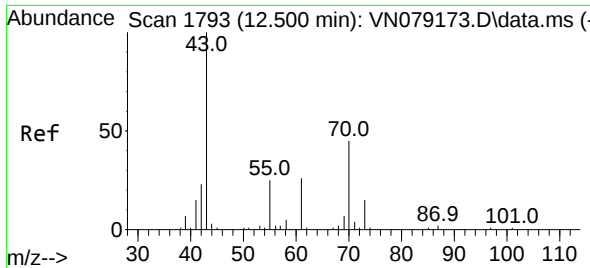


#46
Methyl methacrylate
Concen: 19.981 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13



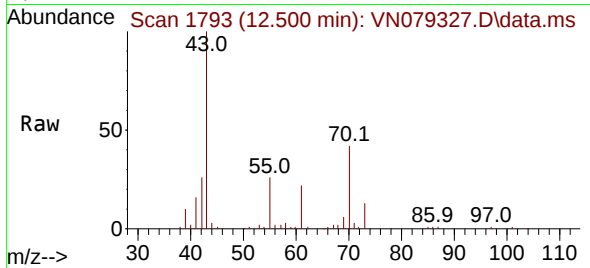
Tgt Ion: 41 Resp: 46297
Ion Ratio Lower Upper
41 100
69 85.8 48.1 144.3
39 58.2 25.8 77.3





#47
n-amy1 Acetate
Concen: 20.910 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

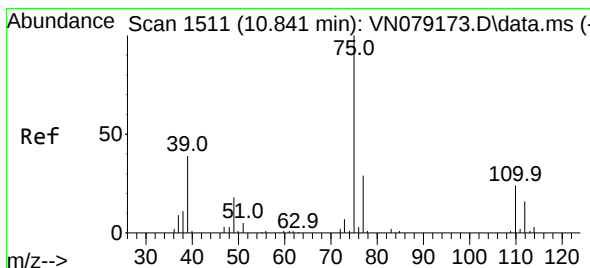
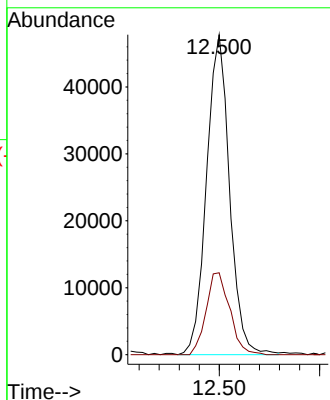
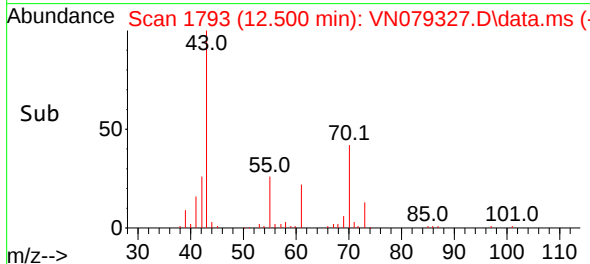
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



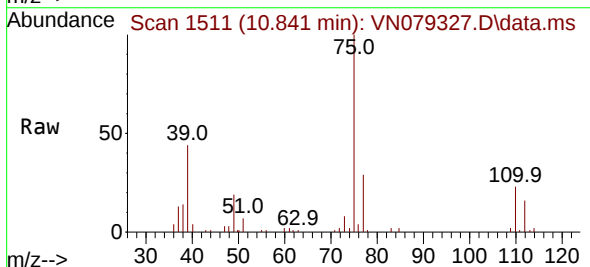
Tgt Ion: 43 Resp: 76260
Ion Ratio Lower Upper
43 100
55 26.3 20.5 30.7

Manual Integrations
APPROVED

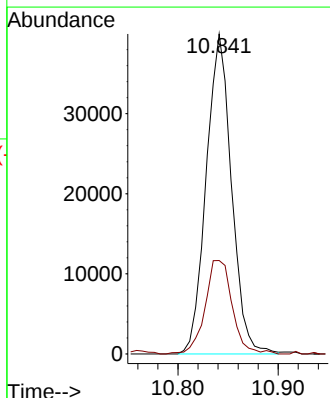
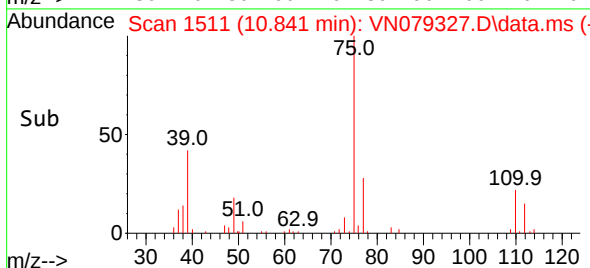
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023

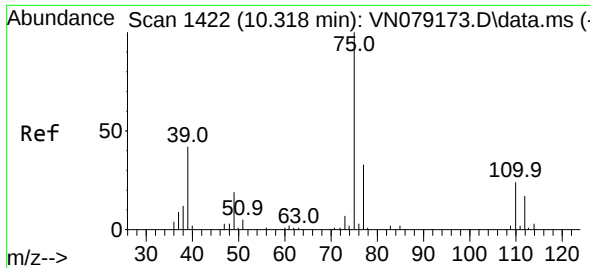


#48
t-1,3-Dichloropropene
Concen: 19.888 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13



Tgt Ion: 75 Resp: 69964
Ion Ratio Lower Upper
75 100
77 29.2 22.9 34.3





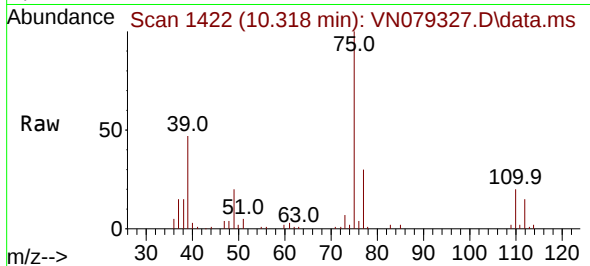
#49
cis-1,3-Dichloropropene
Concen: 21.340 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



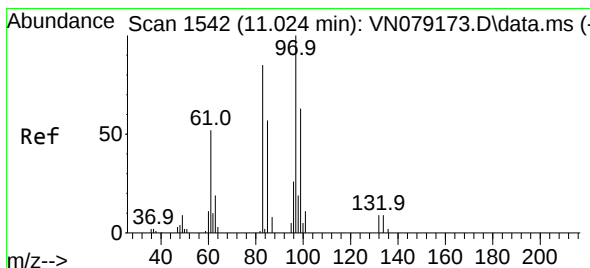
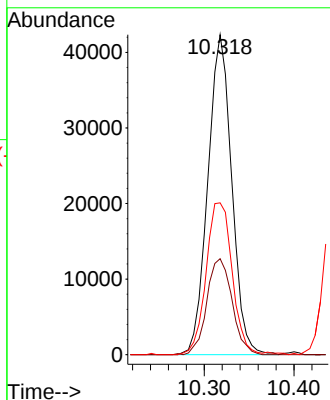
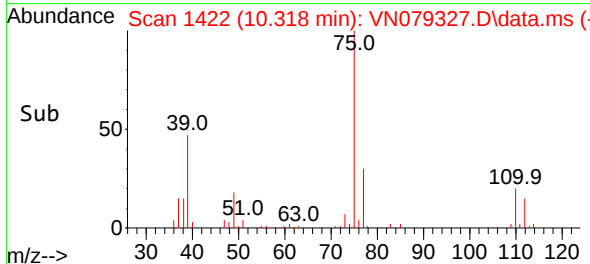
Tgt Ion: 75 Resp: 7830
Ion Ratio Lower Upper
75 100
77 30.0 26.2 39.2
39 47.5 33.8 50.8

Manual Integrations

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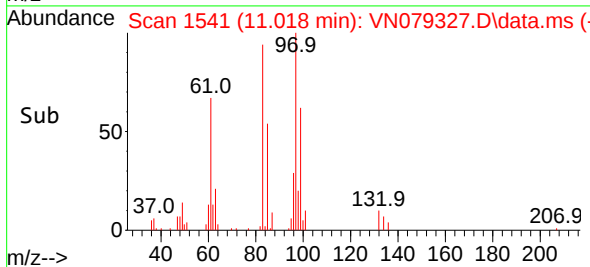
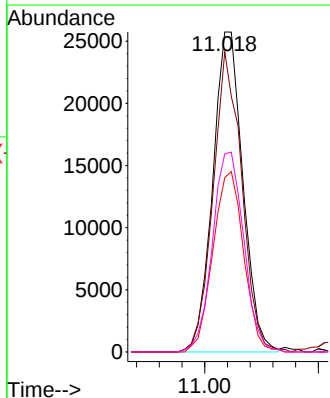
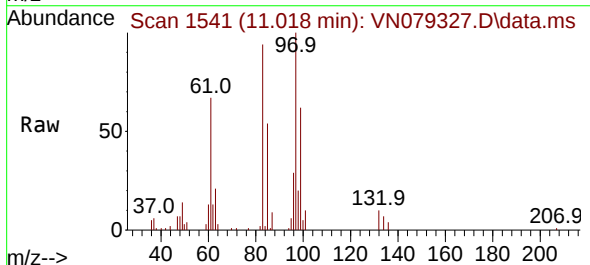
Reviewed By :John Carlone 09/25/2023

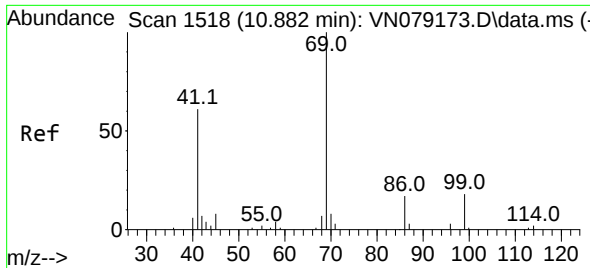
Supervised By :Mahesh Dadoda 09/25/2023



#50
1,1,2-Trichloroethane
Concen: 20.680 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion: 97 Resp: 47324
Ion Ratio Lower Upper
97 100
83 93.8 68.9 103.3
85 54.5 45.3 67.9
99 61.9 50.4 75.6





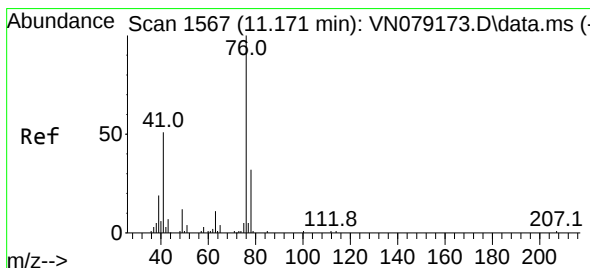
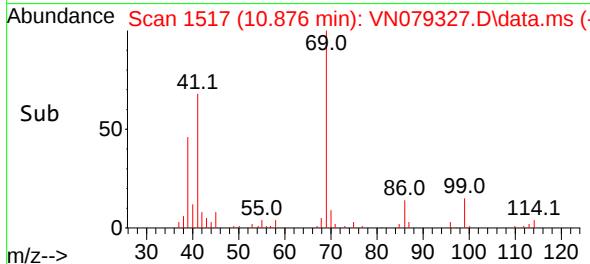
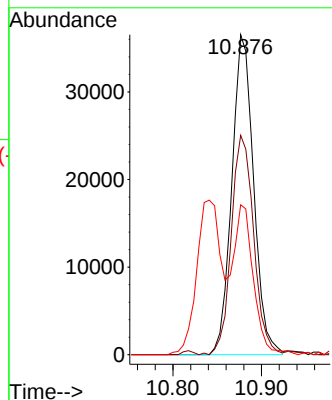
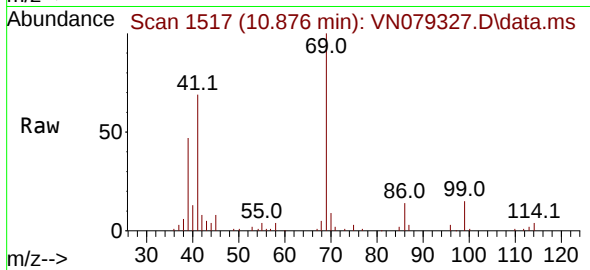
#51
Ethyl methacrylate
Concen: 17.686 ug/l m
RT: 10.876 min Scan# 1518
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 69 Resp: 62504
Ion Ratio Lower Upper
69 100
41 68.5 30.3 90.9
39 46.9 13.4 40.1

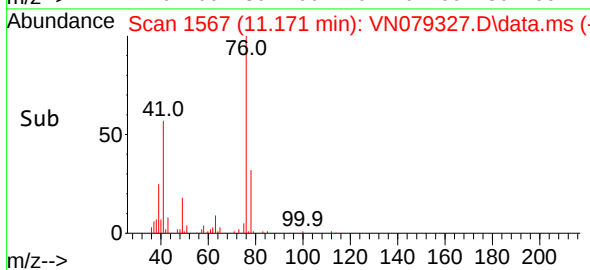
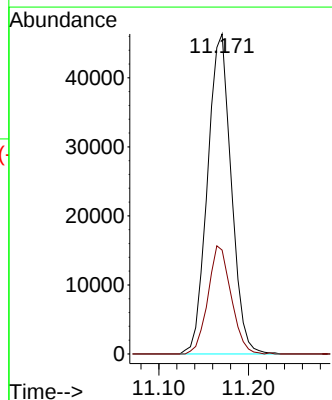
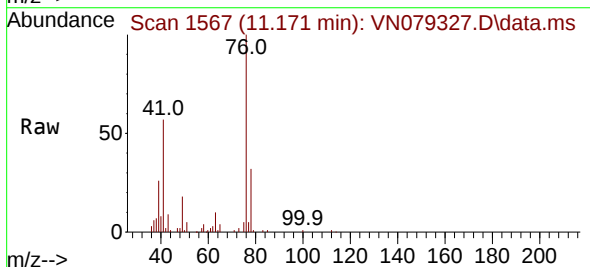
Manual Integrations
APPROVED

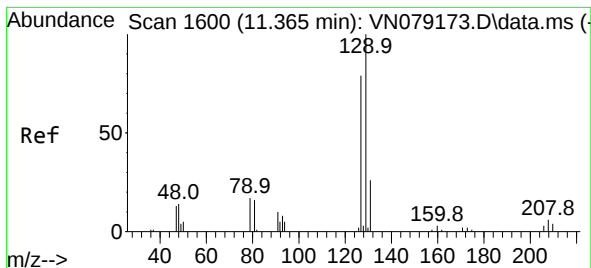
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#52
1,3-Dichloropropane
Concen: 21.787 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

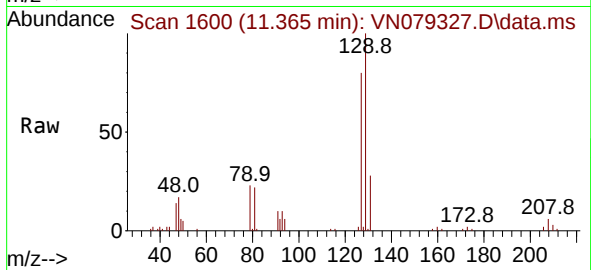
Tgt Ion: 76 Resp: 85116
Ion Ratio Lower Upper
76 100
78 33.0 0.0 64.2





#53
Dibromochloromethane
Concen: 21.047 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

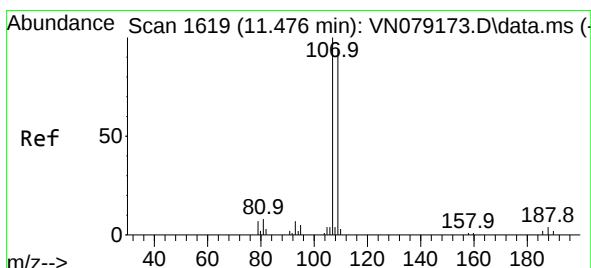
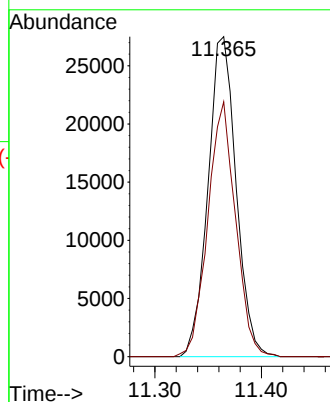
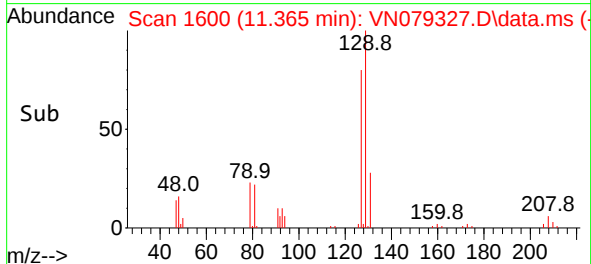
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



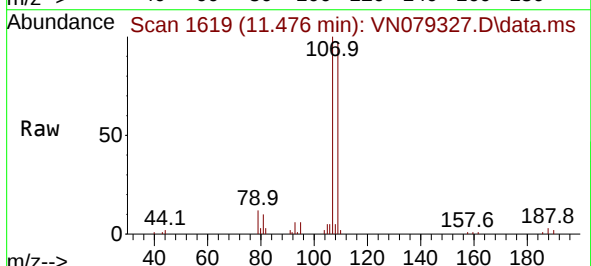
Tgt Ion:129 Resp: 50510
Ion Ratio Lower Upper
129 100
127 78.5 38.7 116.1

Manual Integrations
APPROVED

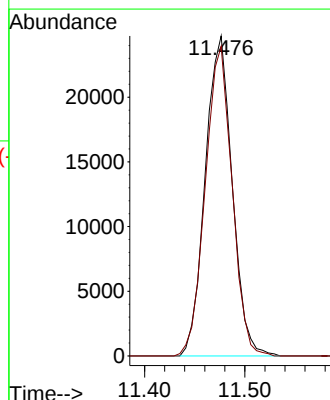
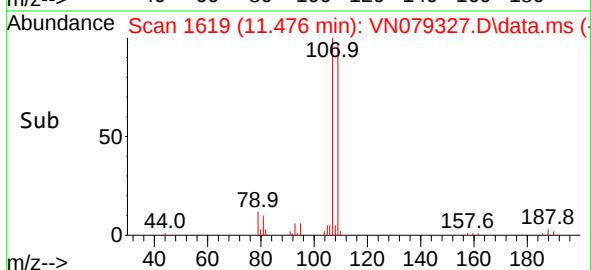
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023

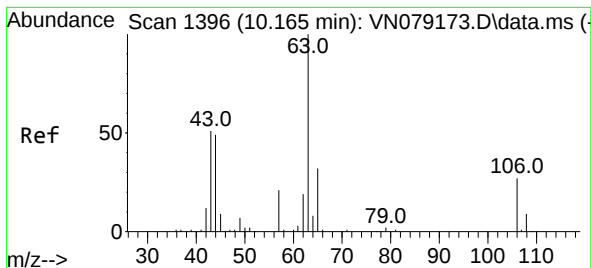


#54
1,2-Dibromoethane
Concen: 19.905 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13



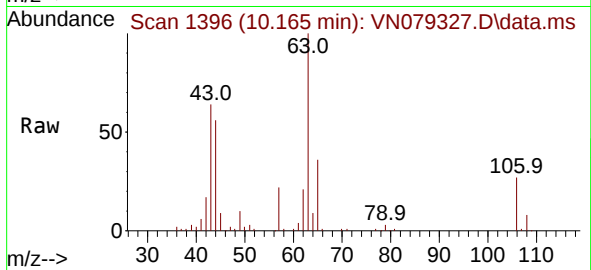
Tgt Ion:107 Resp: 46253
Ion Ratio Lower Upper
107 100
109 95.9 76.4 114.6





#55
2-Chloroethyl vinyl ether
Concen: 94.102 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

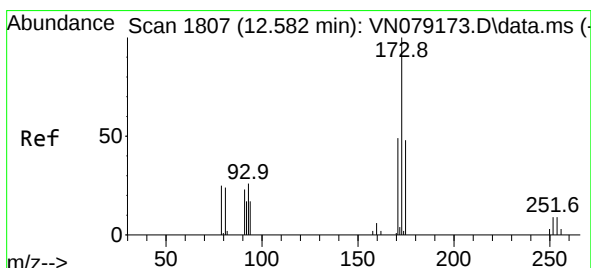
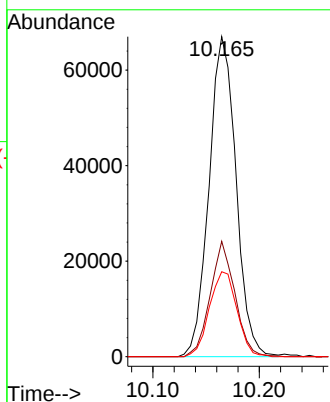
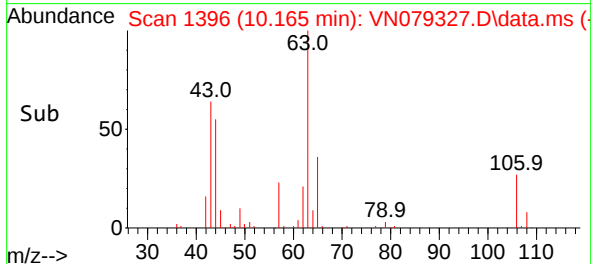
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 118169
Ion Ratio Lower Upper
63 100
65 32.9 25.7 38.5
106 27.1 21.9 32.9

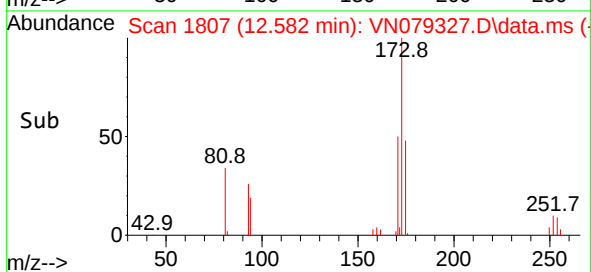
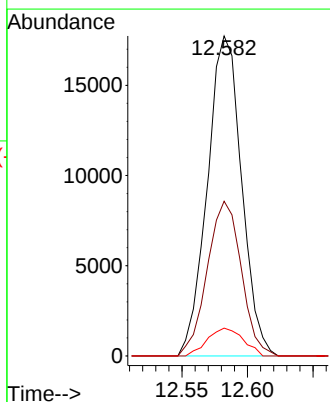
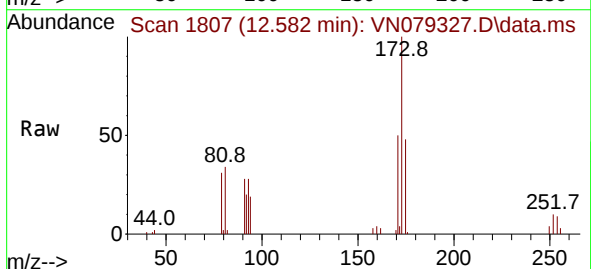
Manual Integrations
APPROVED

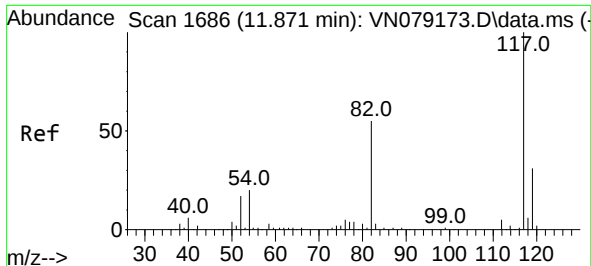
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#56
Bromoform
Concen: 19.229 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion:173 Resp: 32159
Ion Ratio Lower Upper
173 100
175 48.1 37.6 56.4
254 9.1 7.8 11.8





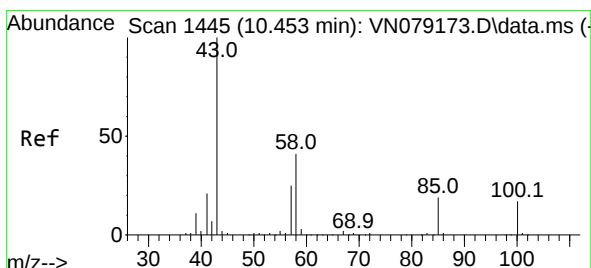
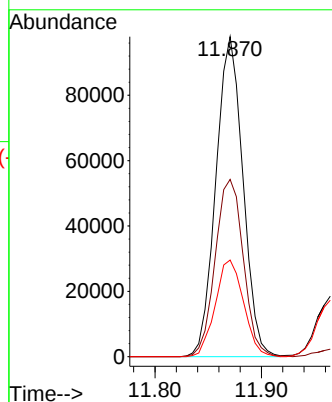
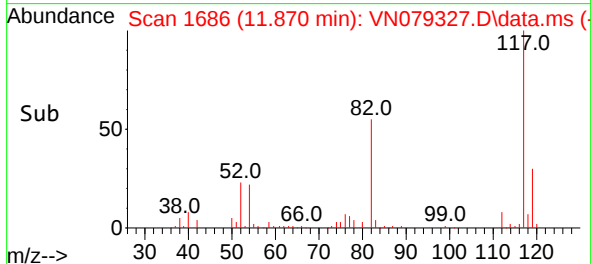
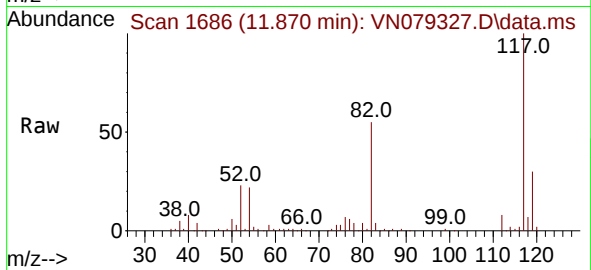
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 17277
Ion Ratio Lower Upper
117 100
82 57.5 44.7 67.1
119 31.6 24.9 37.3

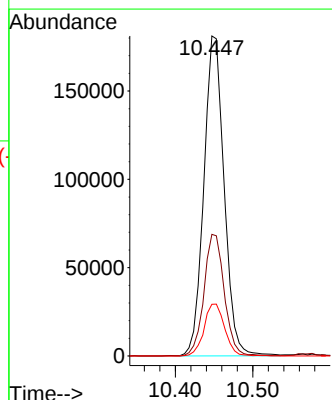
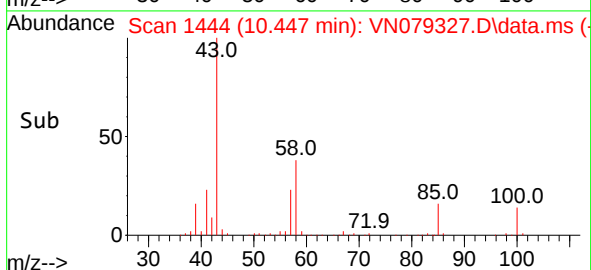
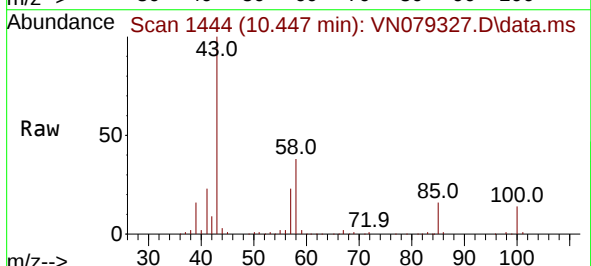
Manual Integrations
APPROVED

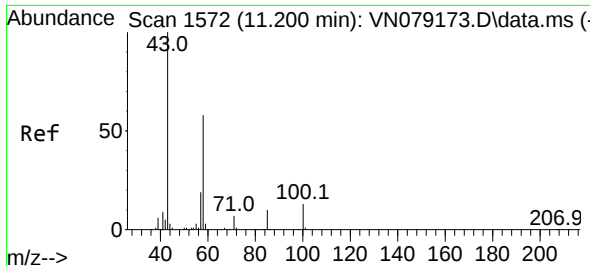
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#58
4-Methyl-2-Pentanone
Concen: 104.123 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

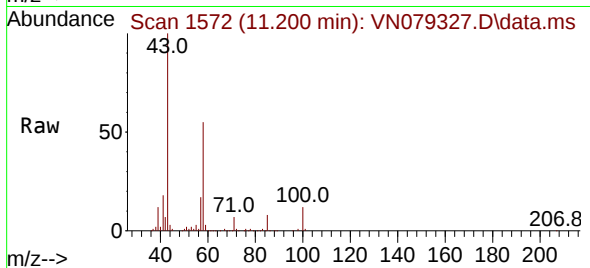
Tgt Ion: 43 Resp: 330128
Ion Ratio Lower Upper
43 100
58 38.1 33.6 50.4
85 16.5 15.0 22.4





#59
2-Hexanone
Concen: 108.738 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

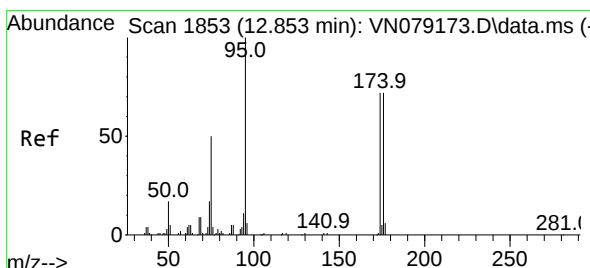
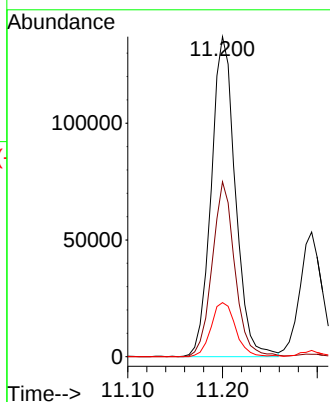
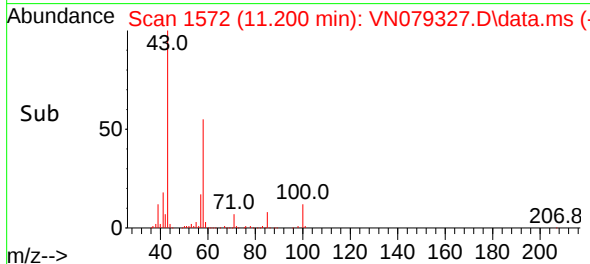
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 24212
Ion Ratio Lower Upper
43 100
58 51.2 46.4 69.6
57 17.2 15.3 22.9

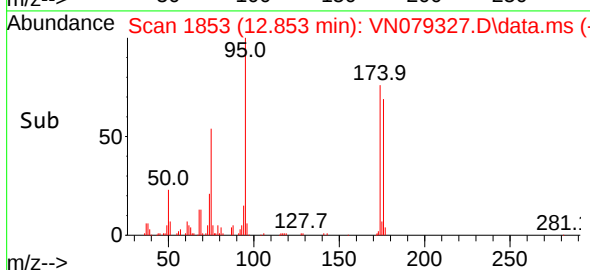
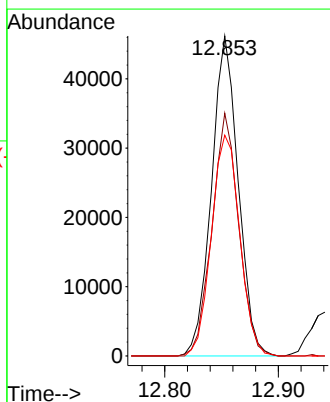
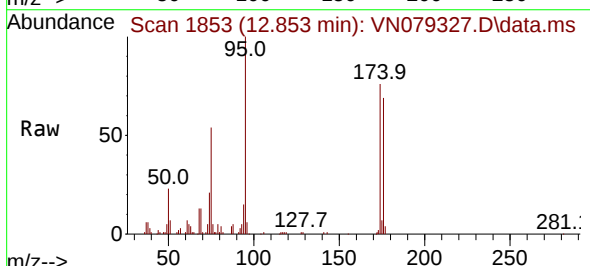
Manual Integrations
APPROVED

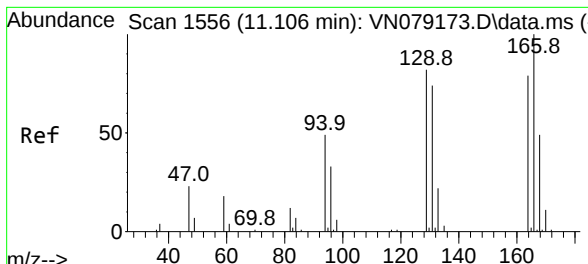
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#60
4-Bromofluorobenzene
Concen: 29.652 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

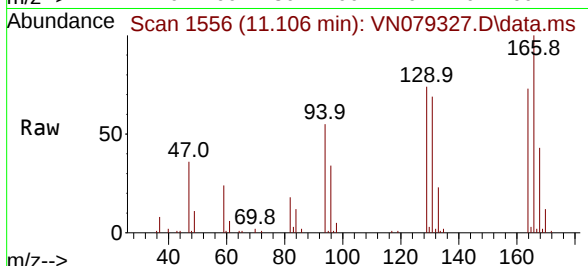
Tgt Ion: 95 Resp: 75488
Ion Ratio Lower Upper
95 100
174 75.7 59.5 89.3
176 73.2 59.1 88.7





#61
Tetrachloroethene
Concen: 19.613 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

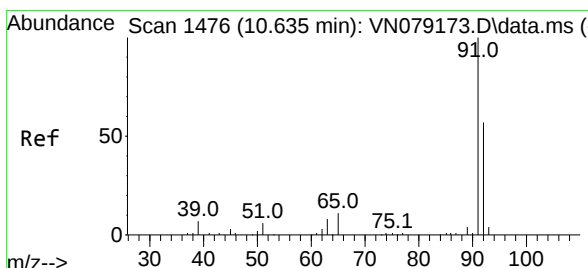
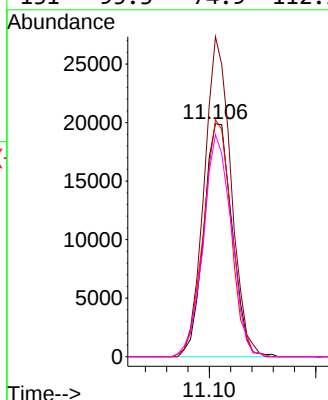
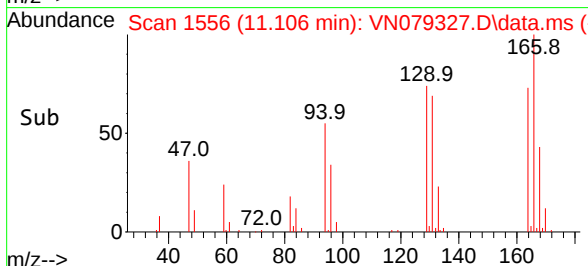
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



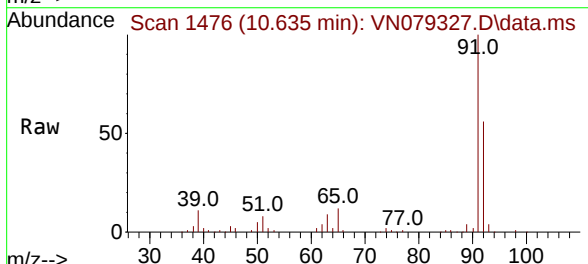
Tgt Ion:164 Resp: 3687
Ion Ratio Lower Upper
164 100
166 137.3 101.9 152.9
129 101.7 83.4 125.0
131 95.3 74.9 112.3

Manual Integrations
APPROVED

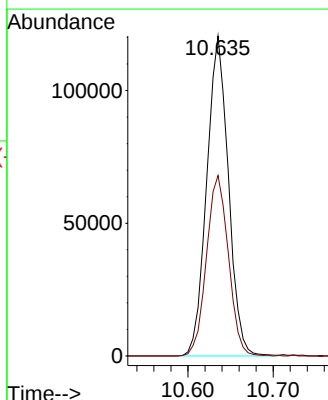
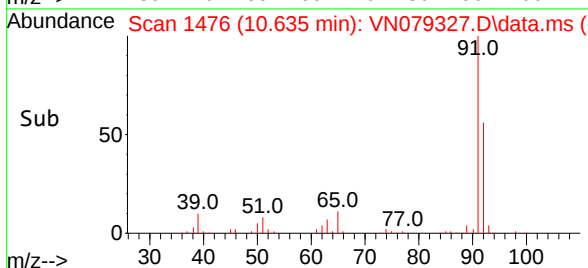
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023

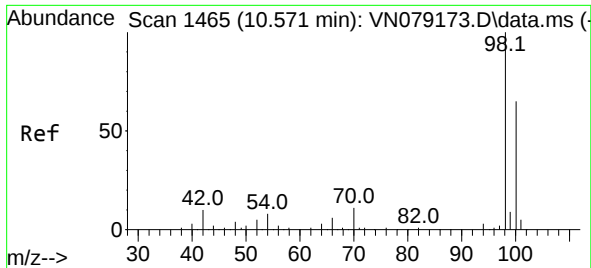


#62
Toluene
Concen: 21.177 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13



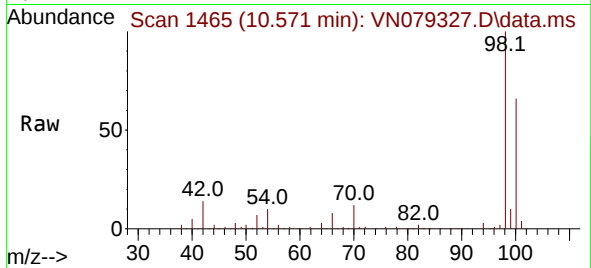
Tgt Ion: 91 Resp: 213039
Ion Ratio Lower Upper
91 100
92 57.0 45.7 68.5





#63
Toluene-d8
Concen: 31.689 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

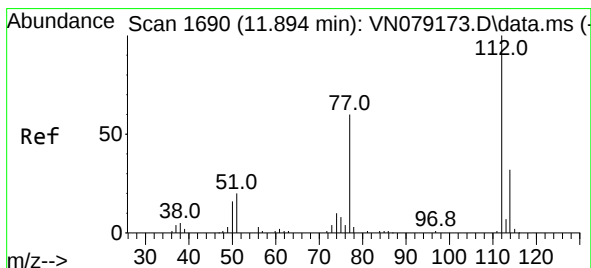
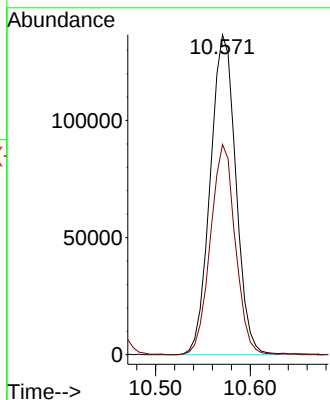
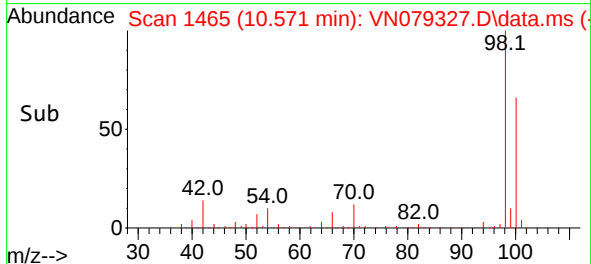
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



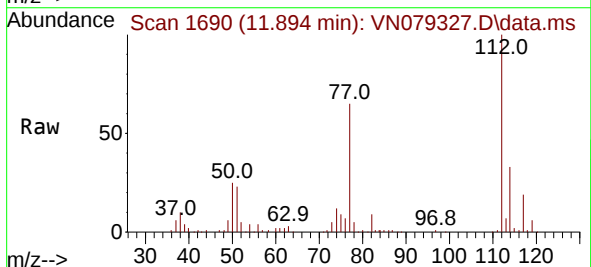
Tgt Ion: 98 Resp: 255872
Ion Ratio Lower Upper
98 100
100 64.0 52.5 78.7

Manual Integrations
APPROVED

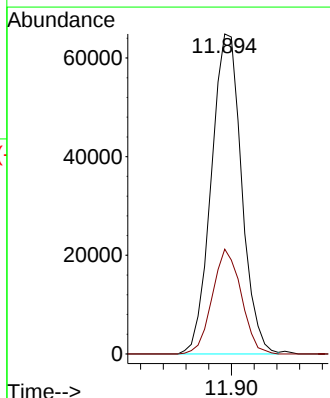
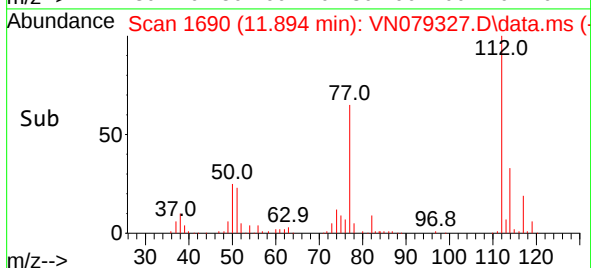
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023

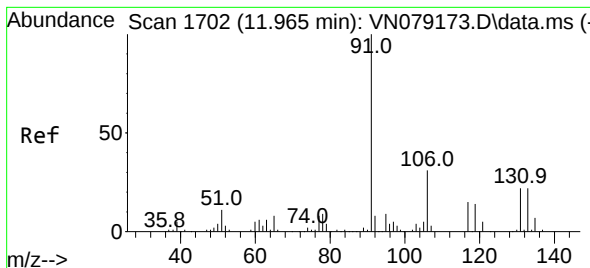


#64
Chlorobenzene
Concen: 20.508 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13



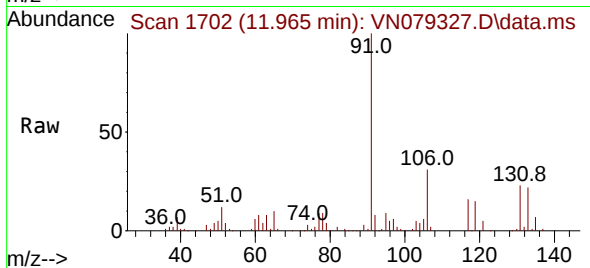
Tgt Ion:112 Resp: 120357
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4





#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.866 ug/l
 RT: 11.965 min Scan# 1702
 Delta R.T. -0.000 min
 Lab File: VN079327.D
 Acq: 22 Sep 2023 09:13

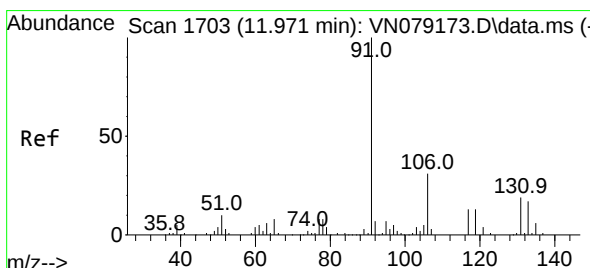
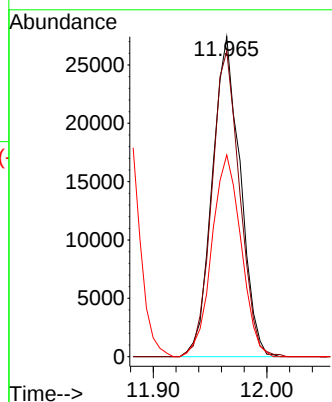
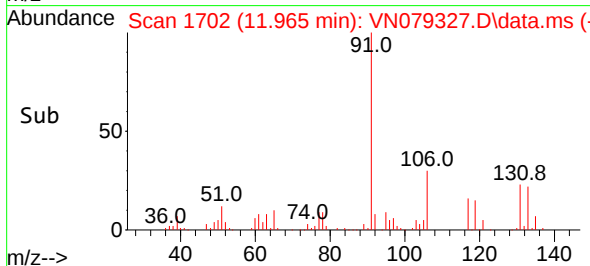
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion:131 Resp: 4688
 Ion Ratio Lower Upper
 131 100
 133 95.3 0.0 193.0
 119 66.0 0.0 131.2

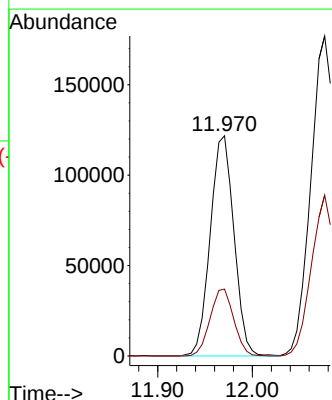
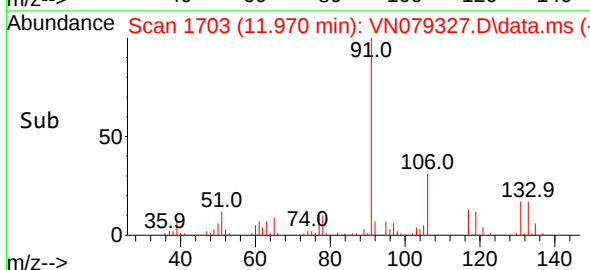
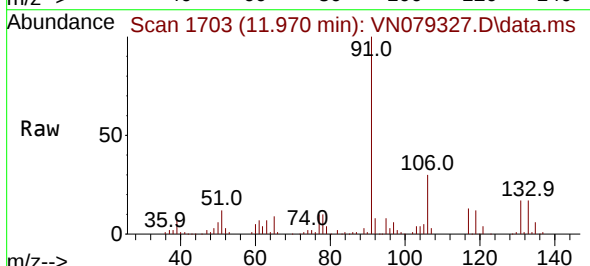
Manual Integrations
 APPROVED

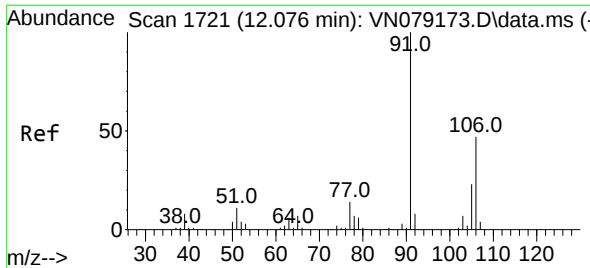
Reviewed By :John Carlone 09/25/2023
 Supervised By :Mahesh Dadoda 09/25/2023



#66
 Ethyl Benzene
 Concen: 20.985 ug/l
 RT: 11.970 min Scan# 1703
 Delta R.T. -0.001 min
 Lab File: VN079327.D
 Acq: 22 Sep 2023 09:13

Tgt Ion: 91 Resp: 212554
 Ion Ratio Lower Upper
 91 100
 106 30.4 25.0 37.6





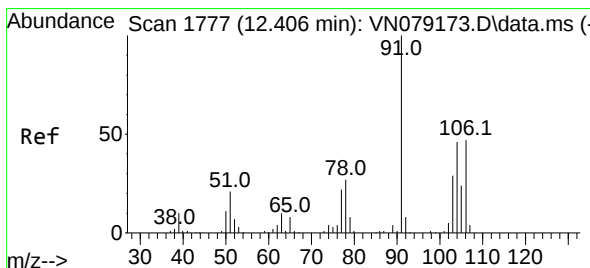
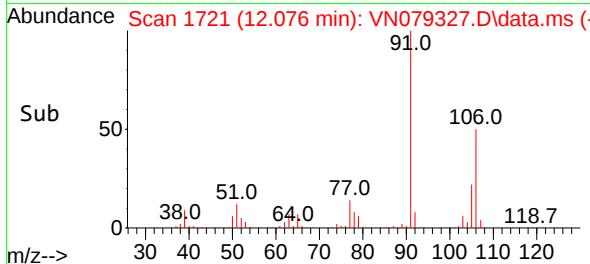
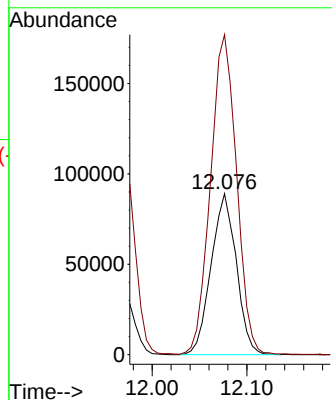
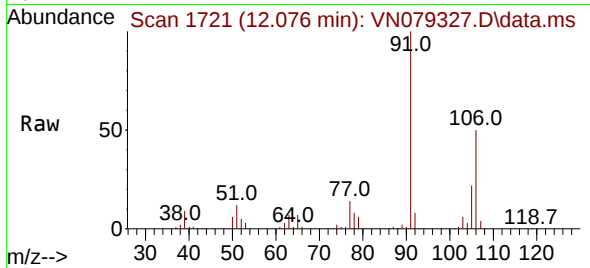
#67
m/p-Xylenes
Concen: 43.208 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 164678
Ion Ratio Lower Upper
106 100
91 205.3 165.2 247.8

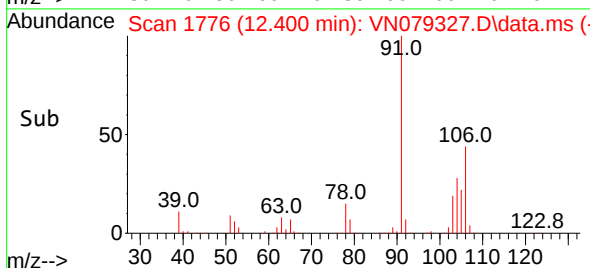
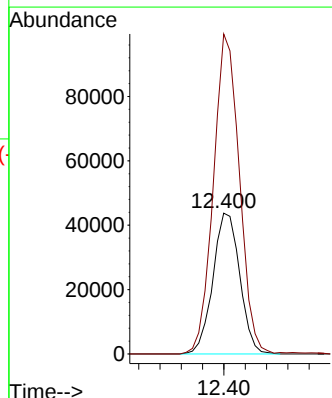
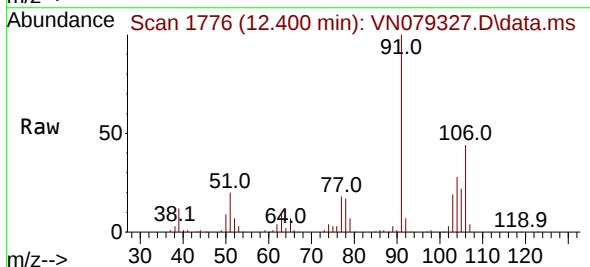
Manual Integrations
APPROVED

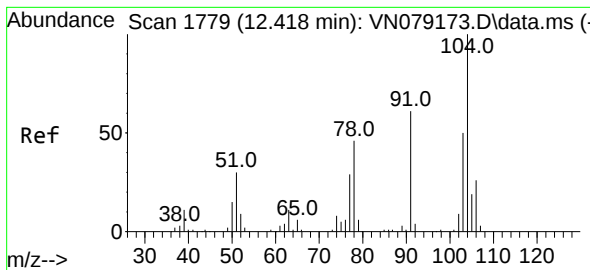
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#68
o-Xylene
Concen: 20.825 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion:106 Resp: 76544
Ion Ratio Lower Upper
106 100
91 220.1 109.7 329.1





#69

Styrene

Concen: 21.169 ug/l

RT: 12.417 min Scan# 1779

Delta R.T. -0.001 min

Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

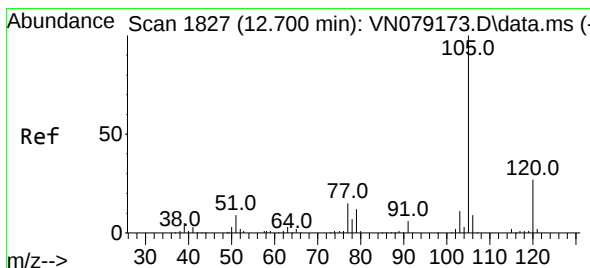
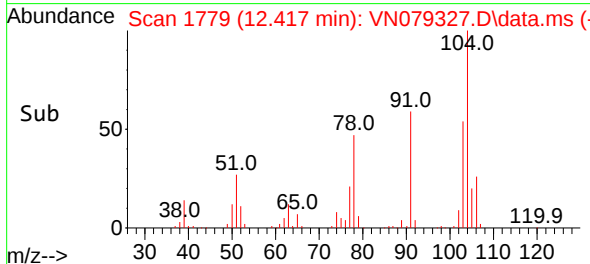
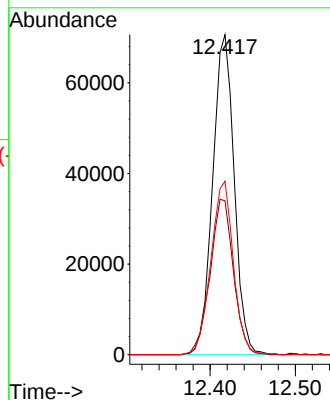
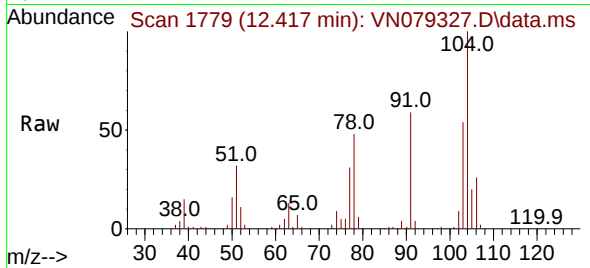
Tgt Ion:	104	Resp:	12410
Ion Ratio	Lower	Upper	
104	100		
78	52.6	40.5	60.7
103	56.3	43.3	64.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/25/2023

Supervised By :Mahesh Dadoda 09/25/2023



#70

Isopropylbenzene

Concen: 21.538 ug/l

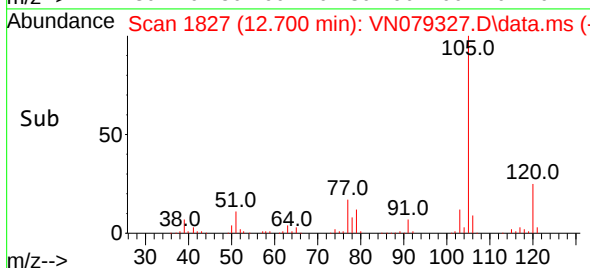
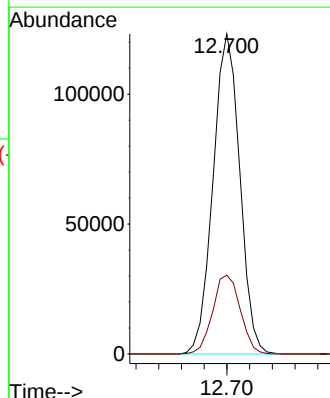
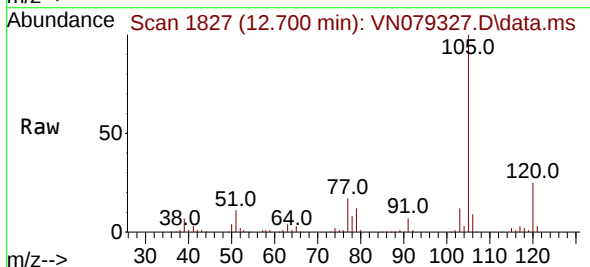
RT: 12.700 min Scan# 1827

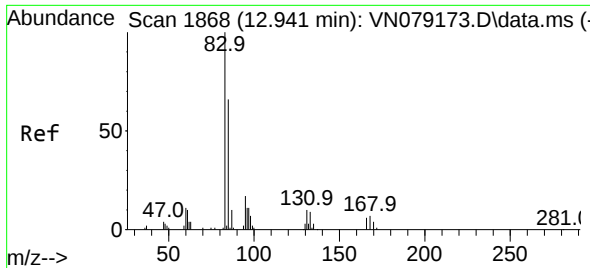
Delta R.T. -0.000 min

Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

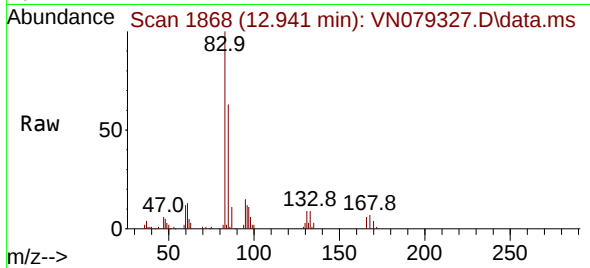
Tgt Ion:	105	Resp:	201226
Ion Ratio	Lower	Upper	
105	100		
120	25.4	18.5	34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 20.855 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

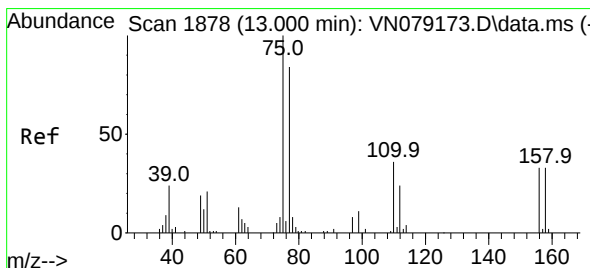
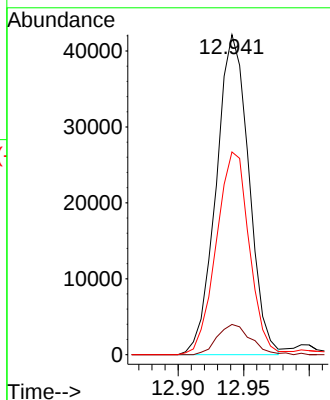
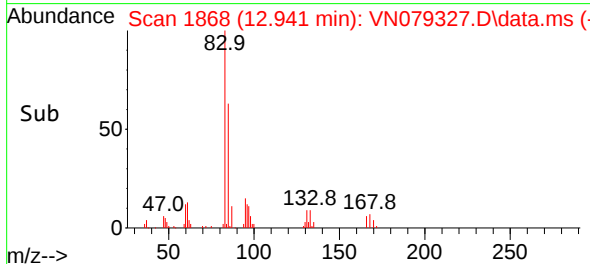
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



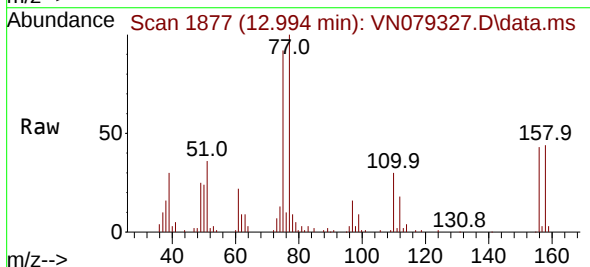
Tgt Ion: 83 Resp: 7288
Ion Ratio Lower Upper
83 100
131 9.7 4.9 14.6
85 64.0 33.1 99.3

Manual Integrations
APPROVED

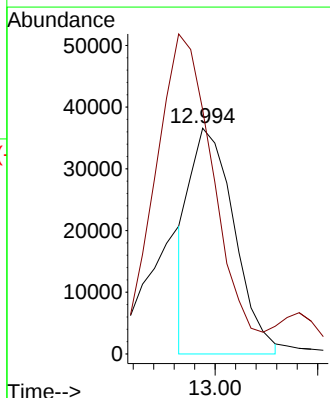
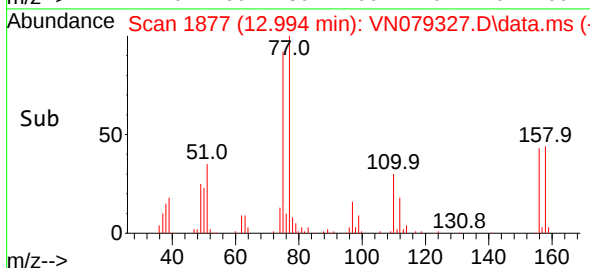
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023

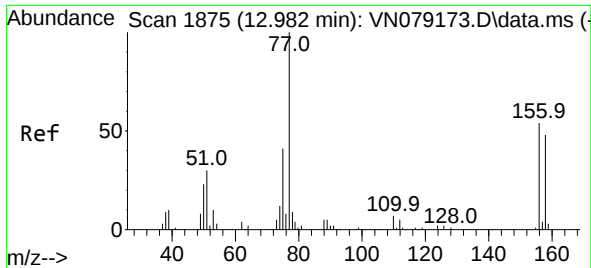


#72
1,2,3-Trichloropropane
Concen: 18.775 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13



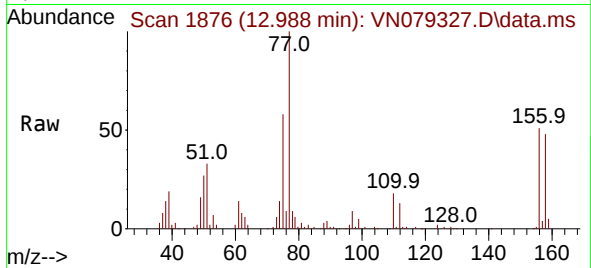
Tgt Ion: 75 Resp: 55212
Ion Ratio Lower Upper
75 100
77 188.8 0.0 252.2





#73
Bromobenzene
Concen: 19.413 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

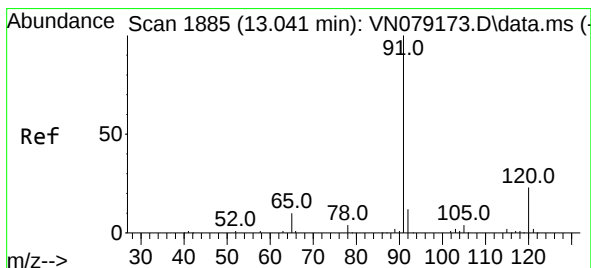
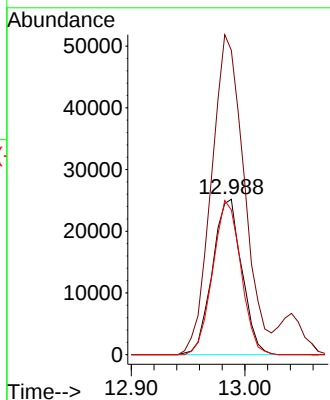
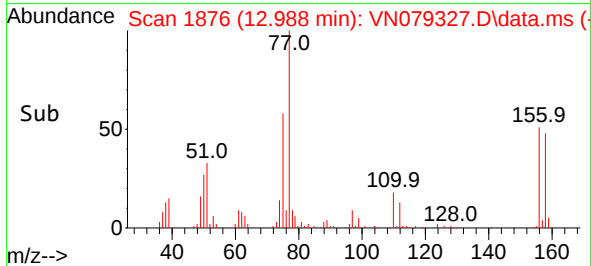
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



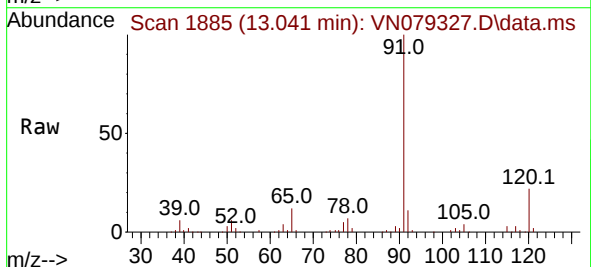
Tgt Ion:156 Resp: 45309
Ion Ratio Lower Upper
156 100
77 230.1 0.0 446.6
158 95.0 0.0 188.6

Manual Integrations
APPROVED

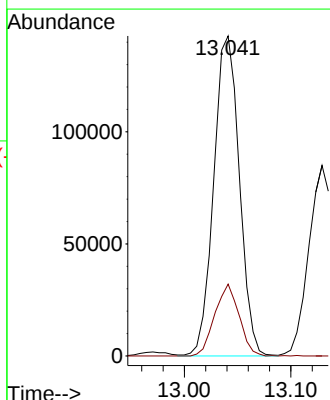
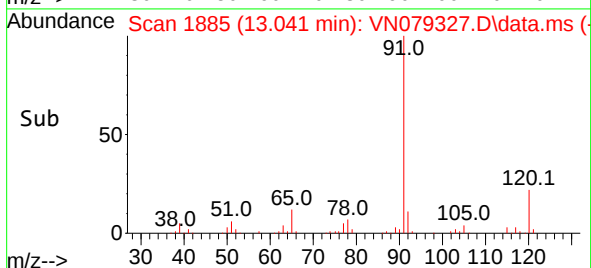
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023

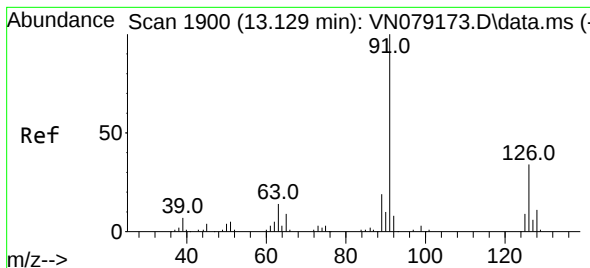


#74
n-propylbenzene
Concen: 22.393 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13



Tgt Ion: 91 Resp: 238377
Ion Ratio Lower Upper
91 100
120 21.2 0.0 44.0





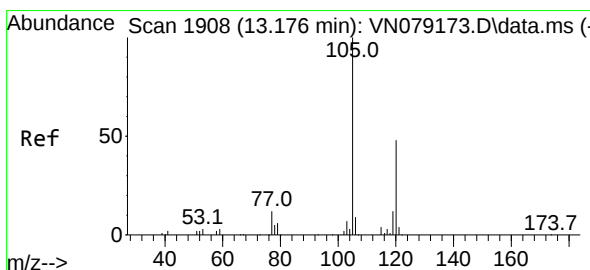
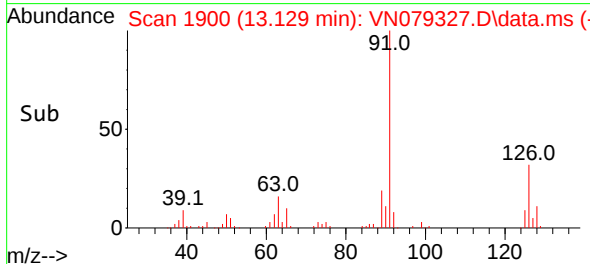
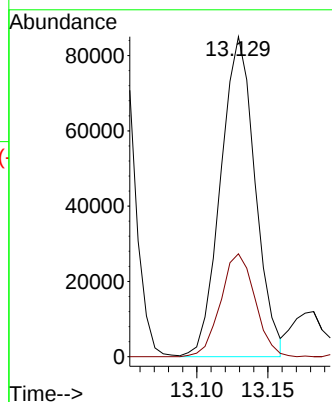
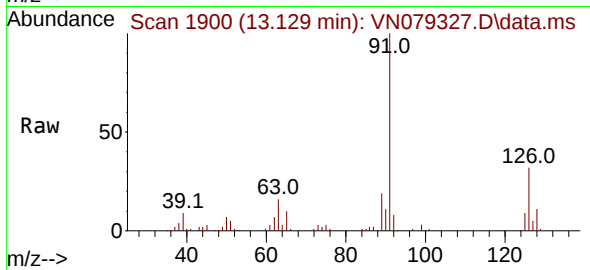
#75
2-Chlorotoluene
Concen: 21.092 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 14396
Ion Ratio Lower Upper
91 100
126 31.9 0.0 65.4

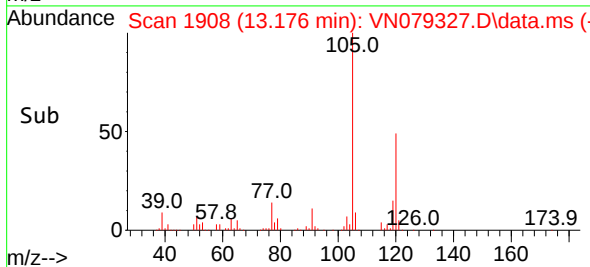
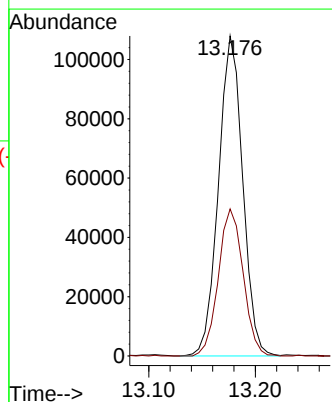
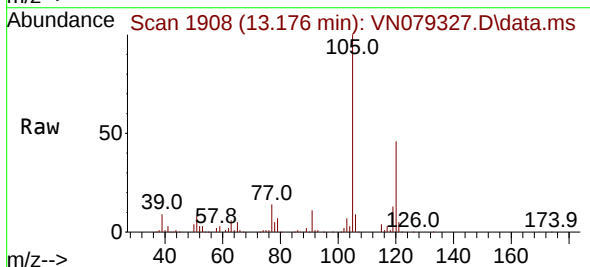
Manual Integrations
APPROVED

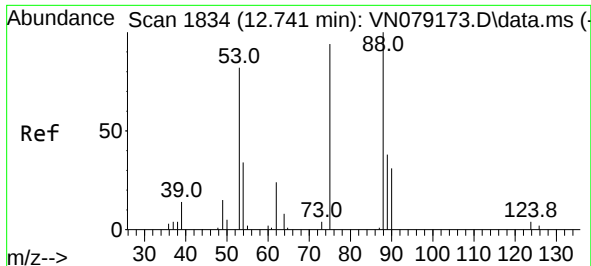
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#76
1,3,5-Trimethylbenzene
Concen: 22.075 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

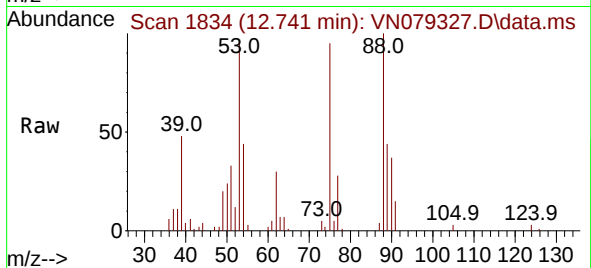
Tgt Ion:105 Resp: 170529
Ion Ratio Lower Upper
105 100
120 47.0 0.0 95.6





#77
t-1,4-Dichloro-2-butene
Concen: 18.841 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

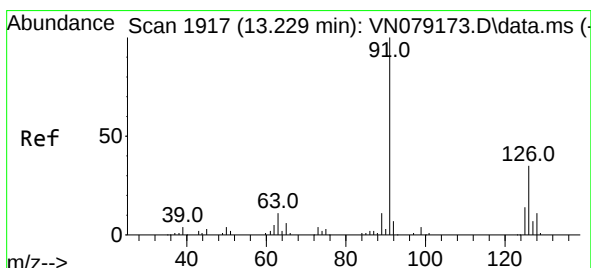
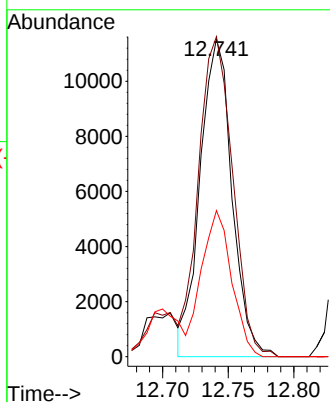
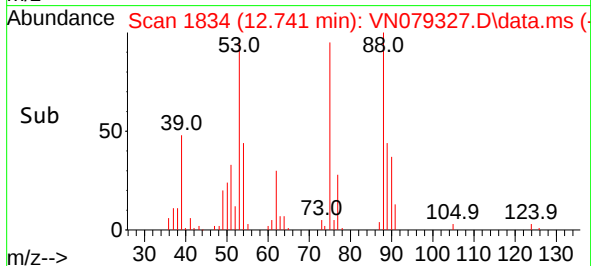
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 1950
Ion Ratio Lower Upper
75 100
53 100.7 44.1 132.4
89 46.0 22.4 67.3

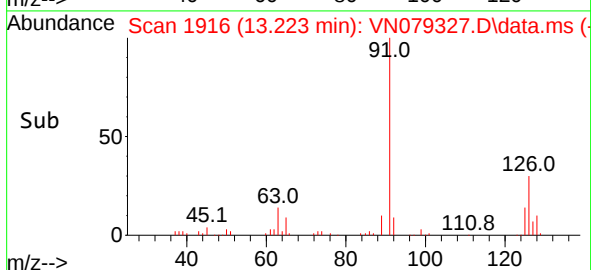
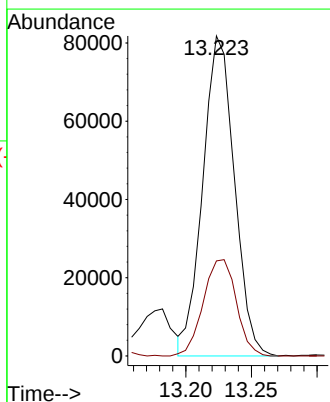
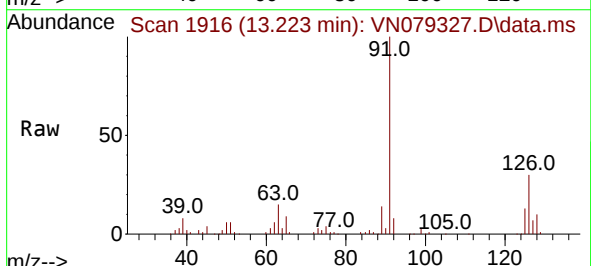
Manual Integrations
APPROVED

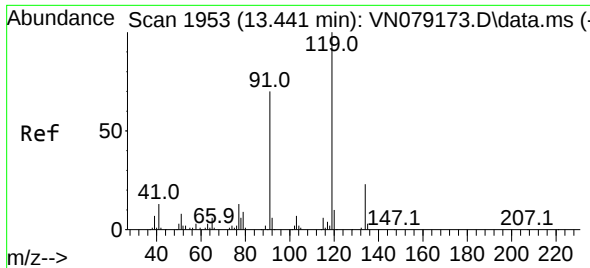
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#78
4-Chlorotoluene
Concen: 21.259 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion: 91 Resp: 137019
Ion Ratio Lower Upper
91 100
126 31.5 0.0 66.6





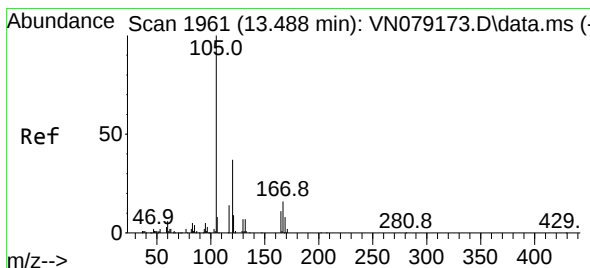
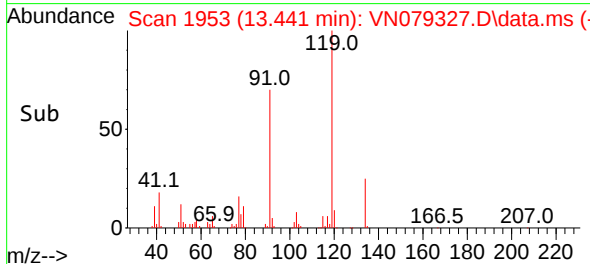
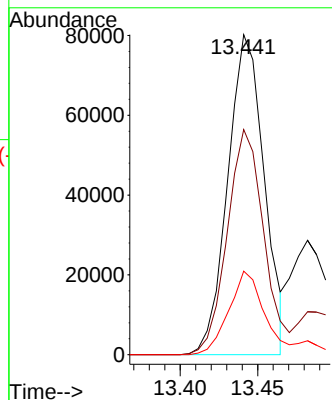
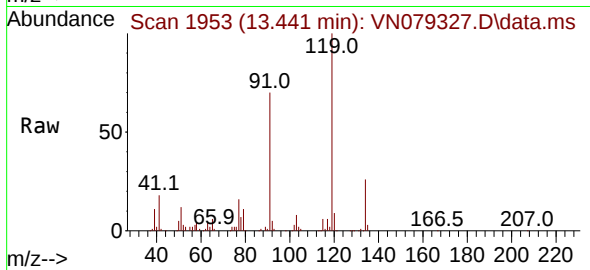
#79
tert-butylbenzene
Concen: 20.711 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 131328
Ion Ratio Lower Upper
119 100
91 70.6 0.0 130.8
134 25.2 0.0 48.8

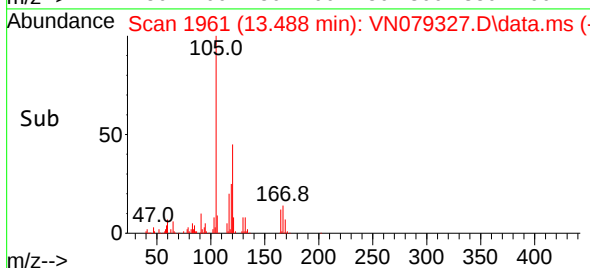
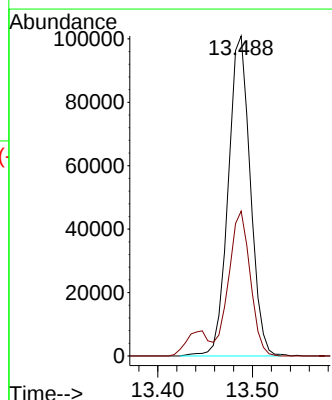
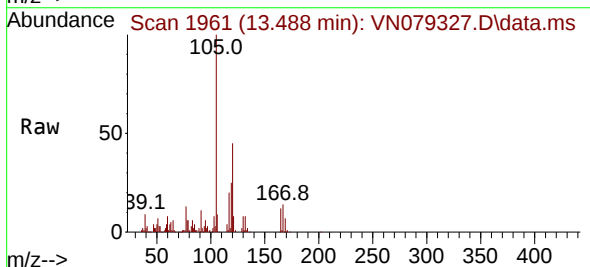
Manual Integrations
APPROVED

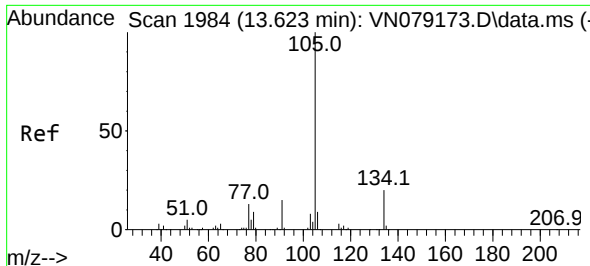
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#80
1,2,4-Trimethylbenzene
Concen: 22.102 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

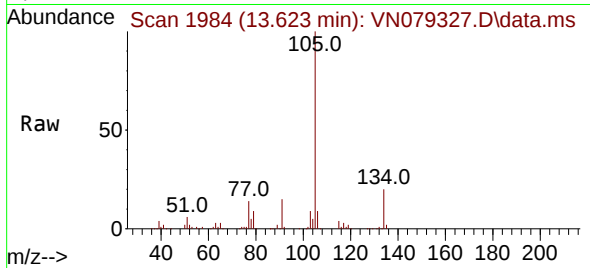
Tgt Ion:105 Resp: 163059
Ion Ratio Lower Upper
105 100
120 44.0 0.0 90.0





#81
 sec-Butylbenzene
 Concen: 22.111 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN079327.D
 Acq: 22 Sep 2023 09:13

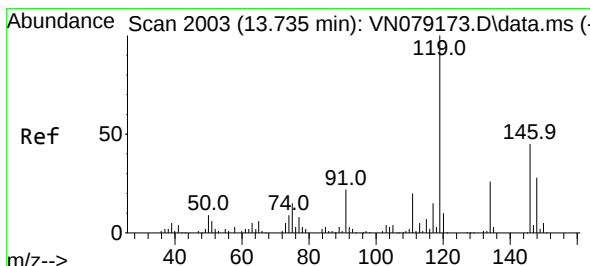
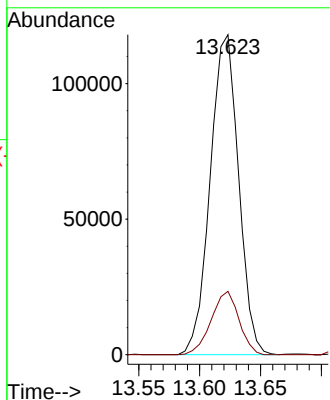
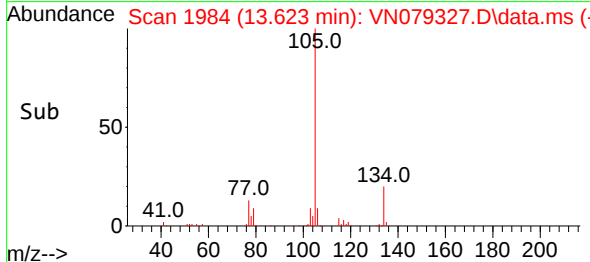
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



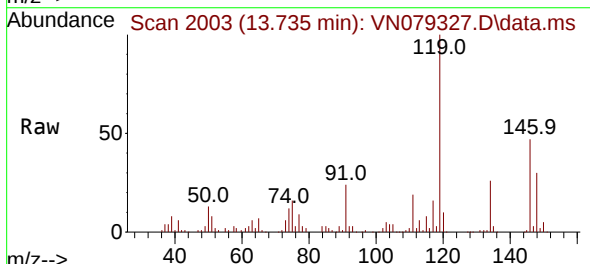
Tgt Ion:105 Resp: 191820
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 38.6

Manual Integrations
 APPROVED

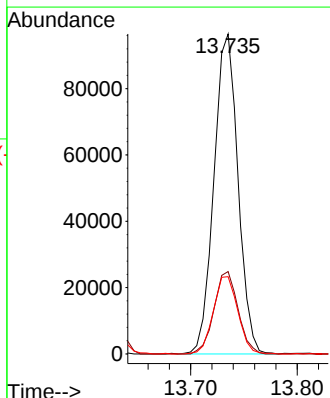
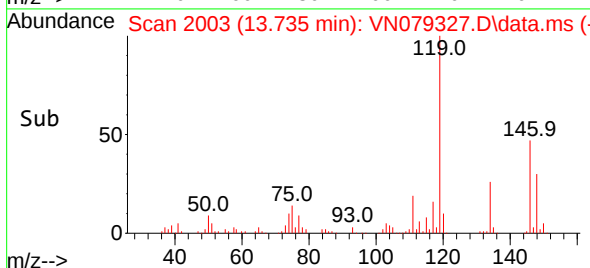
Reviewed By :John Carlone 09/25/2023
 Supervised By :Mahesh Dadoda 09/25/2023

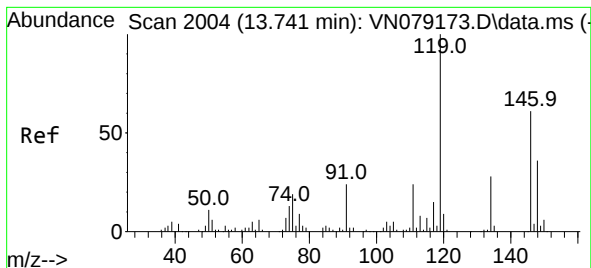


#82
 p-Isopropyltoluene
 Concen: 22.060 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN079327.D
 Acq: 22 Sep 2023 09:13



Tgt Ion:119 Resp: 151177
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 53.8
 91 24.6 0.0 48.0





#83

1,3-Dichlorobenzene

Concen: 21.677 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:146 Resp: 8034

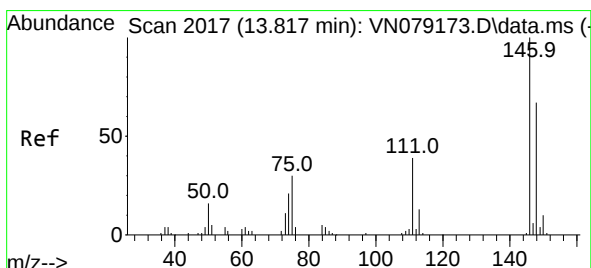
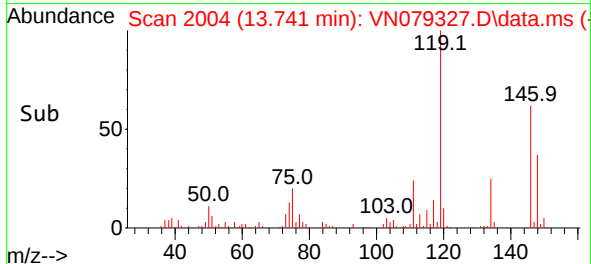
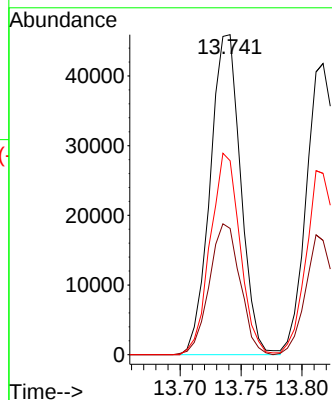
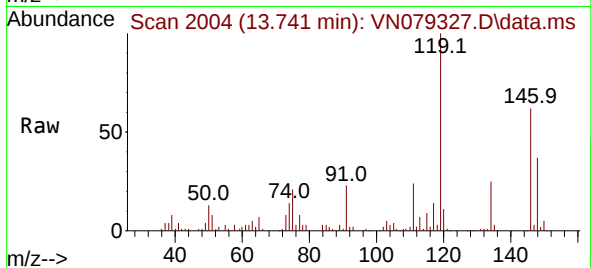
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.5
148	61.2	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/25/2023

Supervised By :Mahesh Dadoda 09/25/2023



#84

1,4-Dichlorobenzene

Concen: 20.780 ug/l

RT: 13.817 min Scan# 2017

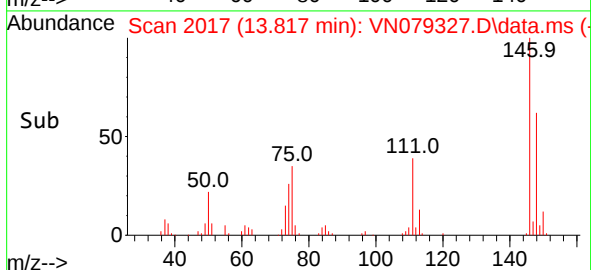
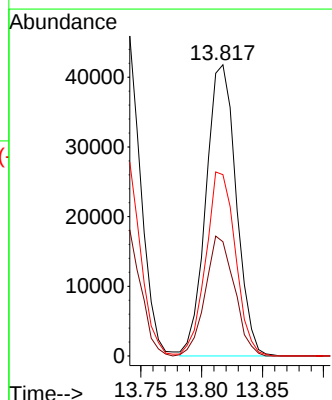
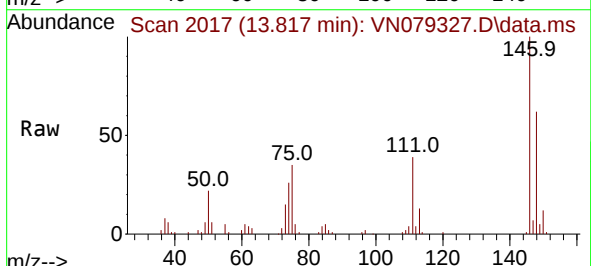
Delta R.T. 0.000 min

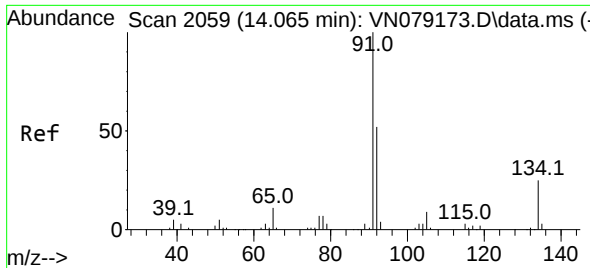
Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

Tgt Ion:146 Resp: 72233

Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.5	58.5
148	62.0	32.1	96.5





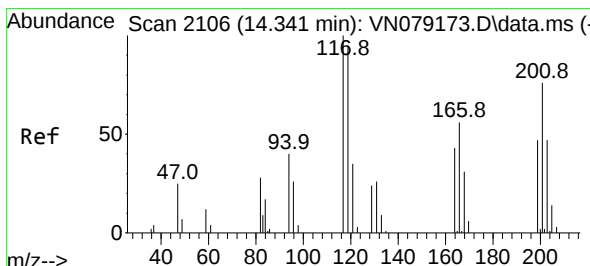
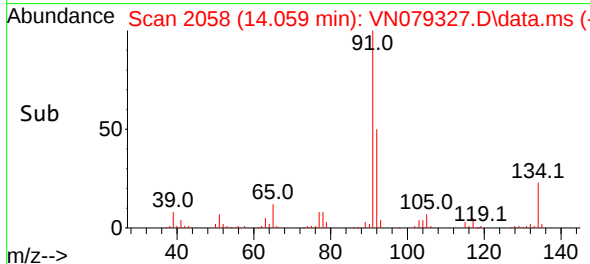
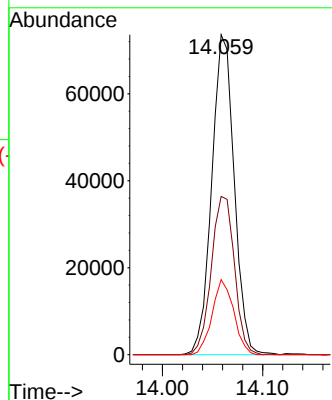
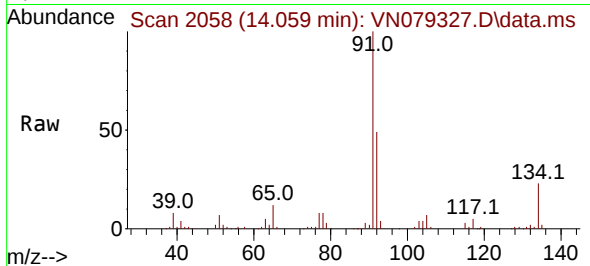
#85
n-Butylbenzene
Concen: 21.975 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 11469
Ion Ratio Lower Upper
91 100
92 50.9 0.0 105.0
134 22.5 0.0 49.6

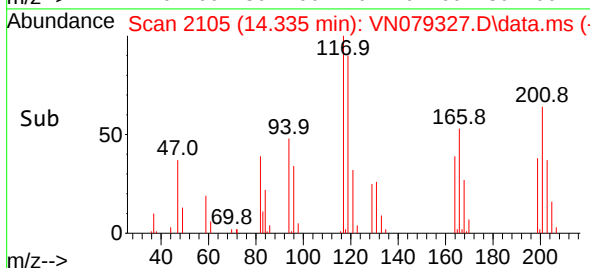
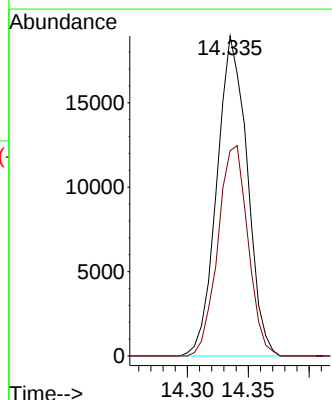
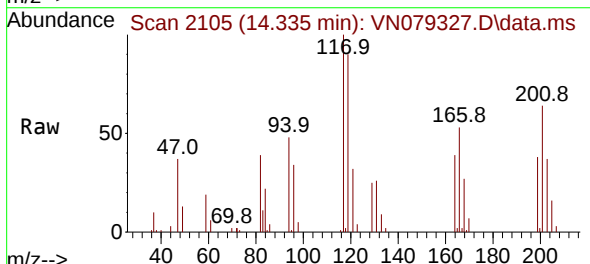
Manual Integrations
APPROVED

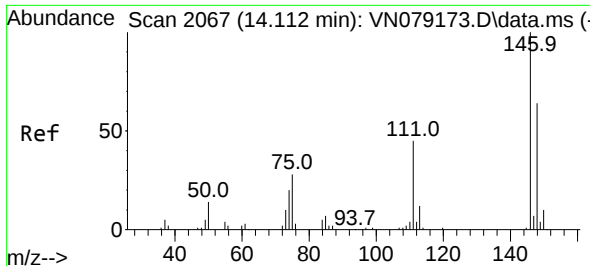
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#86
Hexachloroethane
Concen: 24.245 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion:117 Resp: 32896
Ion Ratio Lower Upper
117 100
201 65.0 37.2 111.6





#87

1,2-Dichlorobenzene

Concen: 21.568 ug/l

RT: 14.111 min Scan# 2067

Delta R.T. -0.001 min

Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:146 Resp: 7888

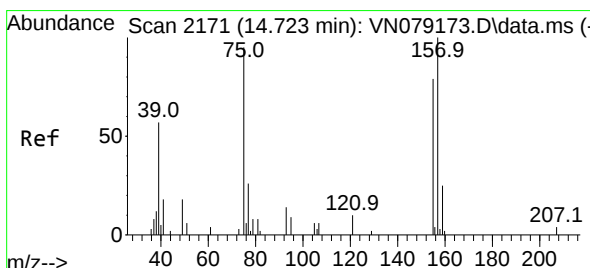
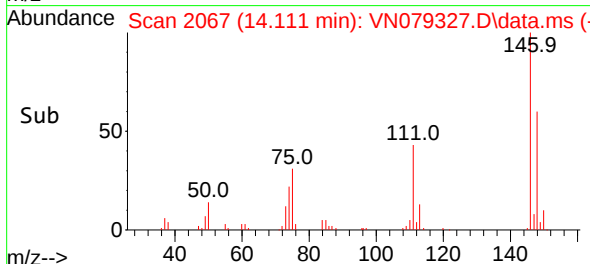
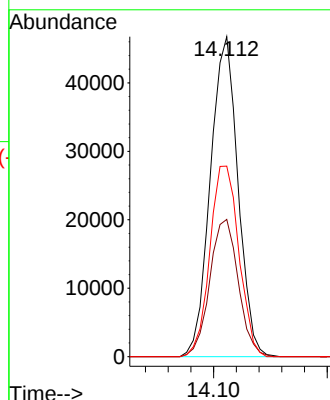
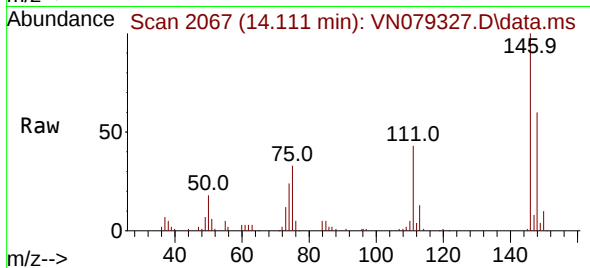
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.5	64.5
148	62.6	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/25/2023

Supervised By :Mahesh Dadoda 09/25/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.097 ug/l

RT: 14.723 min Scan# 2171

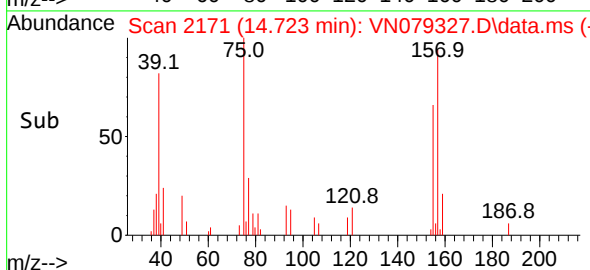
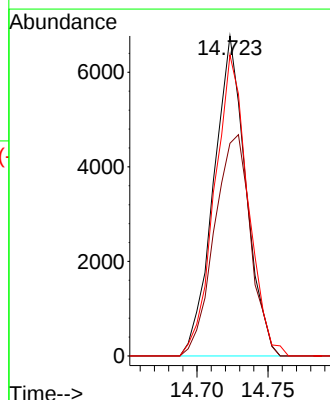
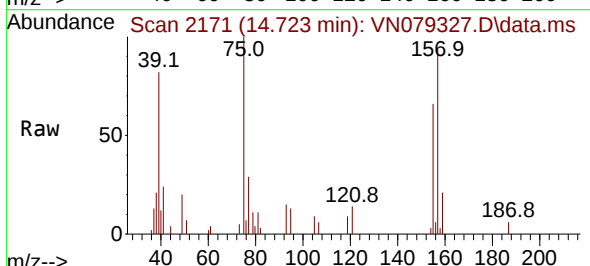
Delta R.T. 0.000 min

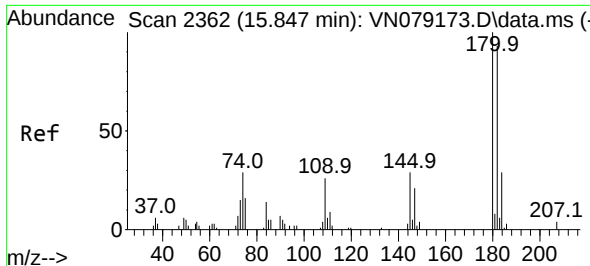
Lab File: VN079327.D

Acq: 22 Sep 2023 09:13

Tgt Ion: 75 Resp: 10691

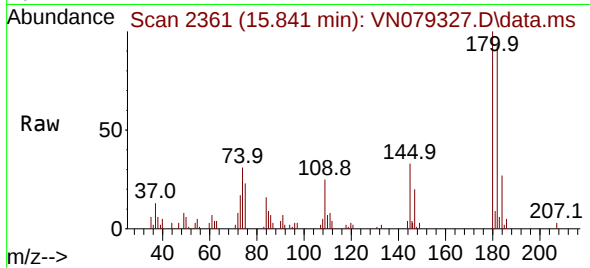
Ion	Ratio	Lower	Upper
75	100		
155	77.4	68.1	102.1
157	96.9	83.9	125.9





#89
1,2,4-Trichlorobenzene
Concen: 16.056 ug/l
RT: 15.841 min Scan# 2362
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

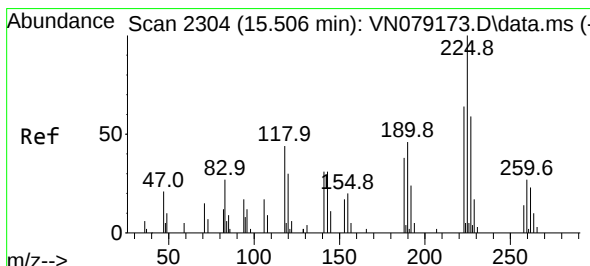
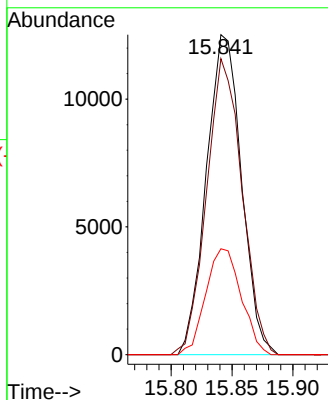
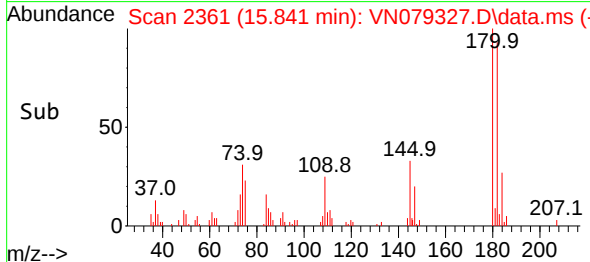
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



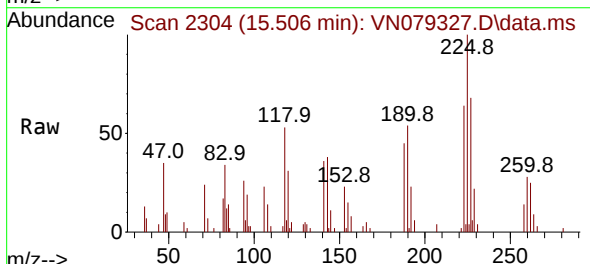
Tgt Ion:180 Resp: 2513
Ion Ratio Lower Upper
180 100
182 93.3 74.5 111.7
145 33.5 26.2 39.2

Manual Integrations
APPROVED

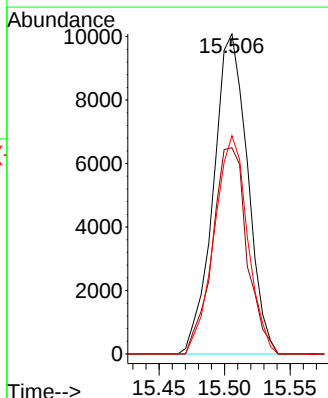
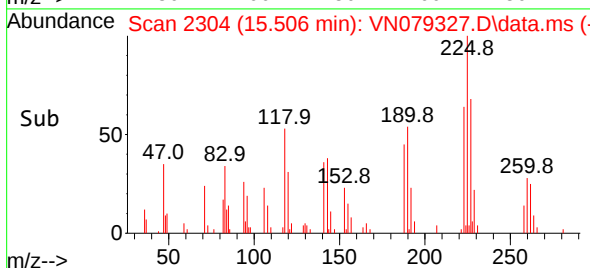
Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023

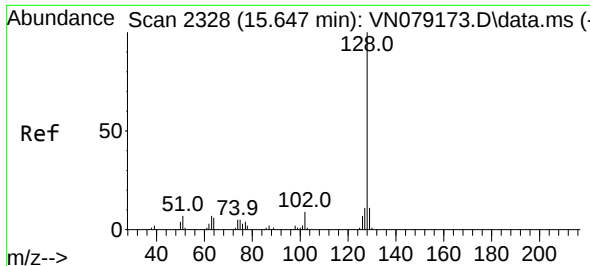


#90
Hexachlorobutadiene
Concen: 19.178 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13



Tgt Ion:225 Resp: 18233
Ion Ratio Lower Upper
225 100
223 65.4 0.0 125.6
227 66.8 0.0 124.0





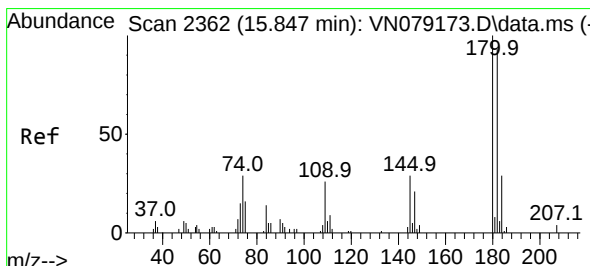
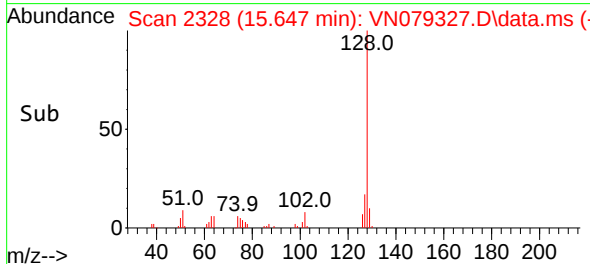
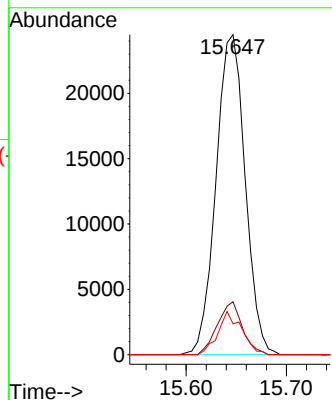
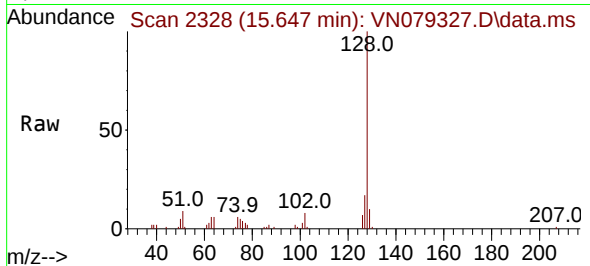
#91
Naphthalene
Concen: 12.095 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 4947
Ion Ratio Lower Upper
128 100
127 14.2 10.1 15.1
129 11.0 8.5 12.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/25/2023
Supervised By :Mahesh Dadoda 09/25/2023



#92
1,2,3-Trichlorobenzene
Concen: 16.056 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN079327.D
Acq: 22 Sep 2023 09:13

Tgt Ion:180 Resp: 25131
Ion Ratio Lower Upper
180 100
182 93.3 0.0 186.2
145 33.5 0.0 65.4

