

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079189.D
 Acq On : 08 Sep 2023 11:11
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/09/2023
 Supervised By : Mahesh Dadoda 09/11/2023

Quant Time: Sep 08 17:19:25 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	7.824	128	31699	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	183080	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	154092	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	69620	29.233	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.433%		
60) 4-Bromofluorobenzene	12.853	95	75445	33.229	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	110.767%		
63) Toluene-d8	10.571	98	218242	30.306	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.033%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	33133	18.741	ug/l	95
3) Chloromethane	2.365	50	43635	24.614	ug/l	92
4) Vinyl Chloride	2.512	62	37552	21.411	ug/l	94
5) Bromomethane	2.948	94	23473	21.806	ug/l	98
6) Chloroethane	3.118	64	26676	24.835	ug/l	98
7) Trichlorofluoromethane	3.495	101	55190	26.431	ug/l	92
8) Diethyl Ether	3.965	74	21709	28.355	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.383	101	32200	27.983	ug/l	98
10) 1,1-Dichloroethene	4.336	96	31376	28.141	ug/l	90
11) Methyl Iodide	4.589	142	36134	25.728	ug/l	94
12) Methyl Acetate	5.030	43	67765	26.080	ug/l	98
13) Acrolein	4.183	56	20724	87.573	ug/l	97
14) Acrylonitrile	5.730	53	95534	125.323	ug/l	98
15) Acetone	4.430	58	27435	137.964	ug/l	98
16) Carbon Disulfide	4.712	76	86584	26.281	ug/l	100
17) Allyl chloride	5.030	41	45940	25.642	ug/l	88
18) Methylene Chloride	5.277	84	39951	26.715	ug/l	98
19) trans-1,2-Dichloroethene	5.795	96	35596	25.517	ug/l	96
20) Diisopropyl ether	6.677	45	115656	21.624	ug/l	97
21) 1,1-Dichloroethane	6.577	63	69980	22.334	ug/l	99
22) cis-1,2-Dichloroethene	7.494	96	42109	19.302	ug/l	99
23) tert-Butyl Alcohol	5.536	59	32888	112.149	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	109554	24.897	ug/l	98
25) Chloroform	7.971	83	71759	18.992	ug/l	98
26) Cyclohexane	8.265	56	50484	17.768	ug/l #	100
29) 1,1-Dichloropropene	8.371	75	51004	17.376	ug/l	99
30) 2-Butanone	7.494	43	122697	83.104	ug/l	98
31) 2,2-Dichloropropane	7.494	77	53787	18.370	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	60559	17.512	ug/l	100
33) Carbon Tetrachloride	8.371	117	54139	18.225	ug/l	97
34) Benzene	8.612	78	161060	17.270	ug/l	98
35) Methacrylonitrile	7.783	41	25947	16.322	ug/l	90
36) 1,2-Dichloroethane	8.677	62	53296	17.328	ug/l	99
37) Trichloroethene	9.359	130	39131	17.752	ug/l	97
38) Methylcyclohexane	9.606	83	47508	16.189	ug/l	99
39) 1,2-Dichloropropane	9.630	63	41767	17.362	ug/l	94
40) Dibromomethane	9.718	93	27688	17.453	ug/l	97
41) Bromodichloromethane	9.894	83	57308	18.121	ug/l	97
42) Vinyl Acetate	6.612	43	333111	95.003	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	49738	17.738	ug/l	98
44) Isopropyl Acetate	8.694	43	79744	15.809	ug/l	98
45) 1,4-Dioxane	9.700	88	15416	307.038	ug/l	99
46) Methyl methacrylate	9.688	41	35721	15.851	ug/l	99
47) n-amyl Acetate	12.500	43	59887	16.882	ug/l	95
48) t-1,3-Dichloropropene	10.841	75	57297	16.747	ug/l #	88
49) cis-1,3-Dichloropropene	10.318	75	62779	17.591	ug/l	96
50) 1,1,2-Trichloroethane	11.024	97	39400	17.703	ug/l	98
51) Ethyl methacrylate	10.882	69	57274	16.663	ug/l	98
52) 1,3-Dichloropropane	11.171	76	69172	18.205	ug/l	100
53) Dibromochloromethane	11.365	129	41572	17.809	ug/l	98
54) 1,2-Dibromoethane	11.476	107	38309	16.951	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	102975	84.315	ug/l	99
56) Bromoform	12.582	173	29866	18.362	ug/l	99
58) 4-Methyl-2-Pentanone	10.453	43	251213	88.841	ug/l	99
59) 2-Hexanone	11.200	43	175860	88.556	ug/l	98
61) Tetrachloroethene	11.112	164	32160	19.181	ug/l	95
62) Toluene	10.635	91	171702	19.138	ug/l	100
64) Chlorobenzene	11.894	112	99497	19.009	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.965	131	39669	19.796	ug/l	98
66) Ethyl Benzene	11.971	91	175593	19.438	ug/l	97
67) m/p-Xylenes	12.076	106	134390	39.537	ug/l	100
68) o-Xylene	12.406	106	64973	19.820	ug/l	100
69) Styrene	12.418	104	107708	20.600	ug/l	100
70) Isopropylbenzene	12.700	105	161953	19.436	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	63153	20.261	ug/l	97
72) 1,2,3-Trichloropropane	13.000	75	51161m	19.507	ug/l	
73) Bromobenzene	12.988	156	41816	20.090	ug/l	98
74) n-propylbenzene	13.041	91	195009	20.541	ug/l	99
75) 2-Chlorotoluene	13.129	91	125446	20.607	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	138682	20.129	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	17192	18.619	ug/l	98
78) 4-Chlorotoluene	13.223	91	116951	20.346	ug/l	100
79) tert-butylbenzene	13.441	119	110428	19.527	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	132405	20.124	ug/l	100
81) sec-Butylbenzene	13.623	105	149670	19.343	ug/l	98
82) p-Isopropyltoluene	13.735	119	123016	20.128	ug/l	100
83) 1,3-Dichlorobenzene	13.741	146	65268	19.745	ug/l	97
84) 1,4-Dichlorobenzene	13.818	146	63552	20.500	ug/l	98
85) n-Butylbenzene	14.059	91	90708	19.486	ug/l	99
86) Hexachloroethane	14.341	117	23747	19.624	ug/l	100
87) 1,2-Dichlorobenzene	14.112	146	64934	19.906	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	9657	18.329	ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	24069	17.242	ug/l	97
90) Hexachlorobutadiene	15.506	225	16116	19.007	ug/l	99
91) Naphthalene	15.647	128	55783	15.293	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	24069	17.242	ug/l	97

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

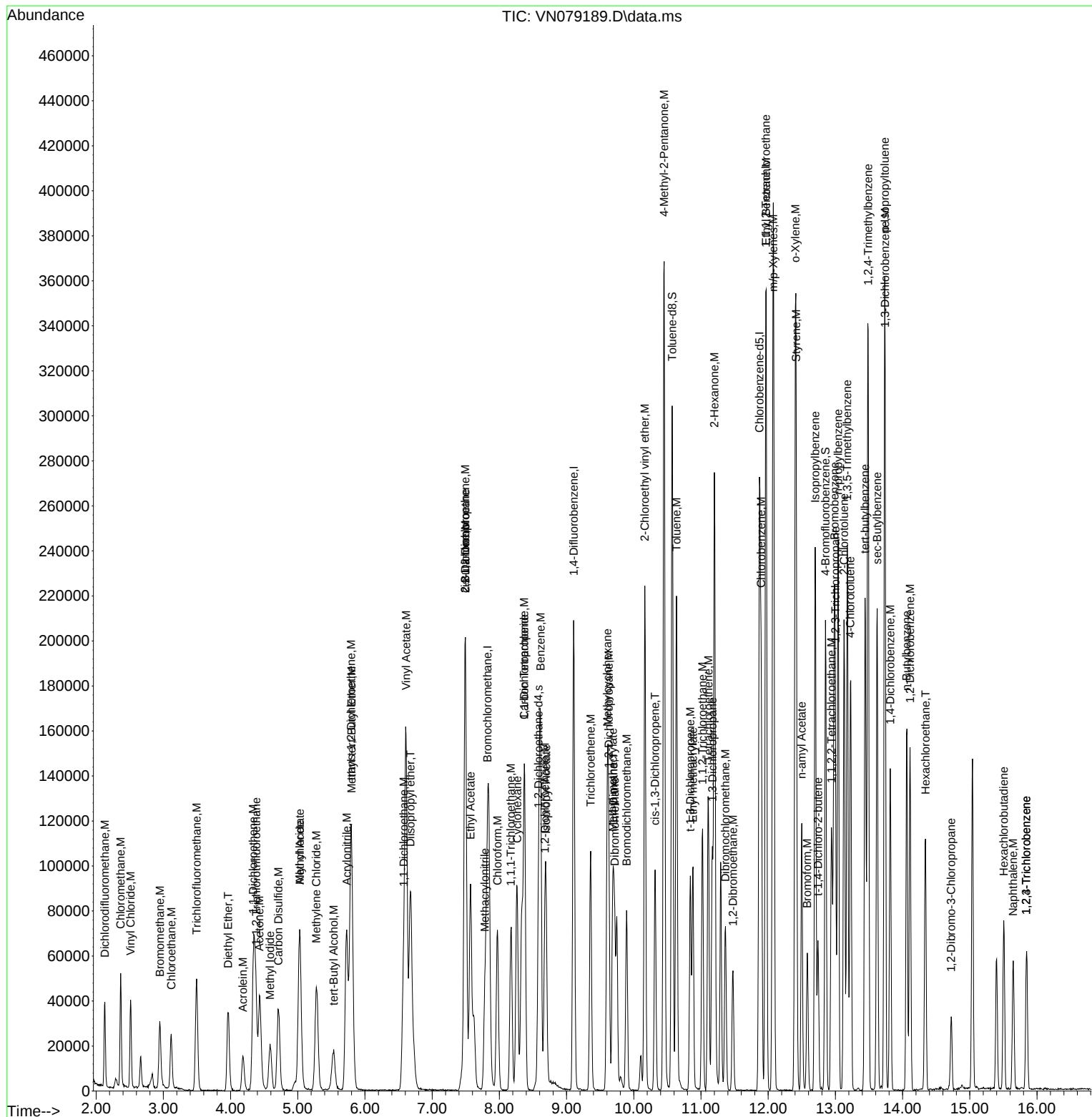
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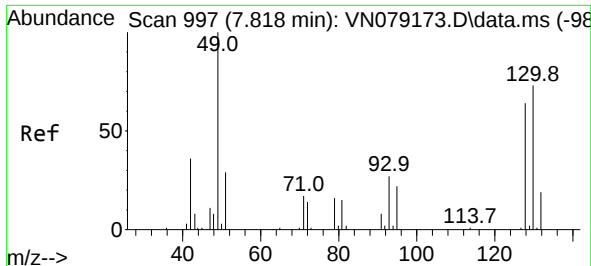
Instrument :
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 ClientSampleId :
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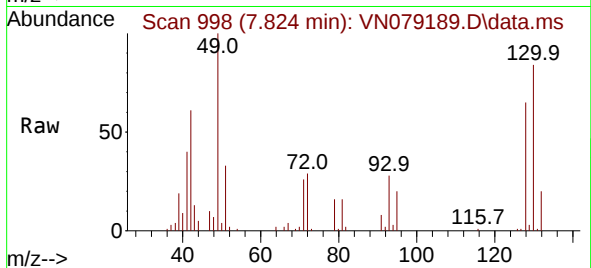
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

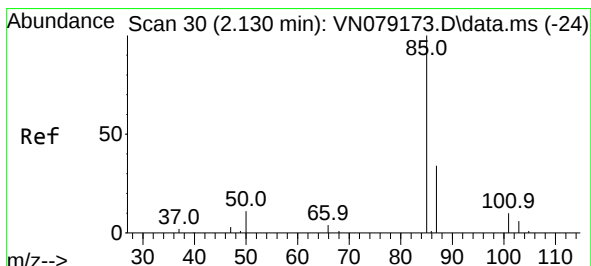
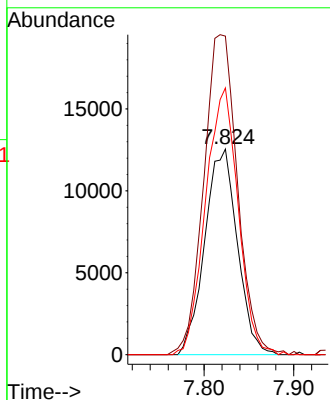
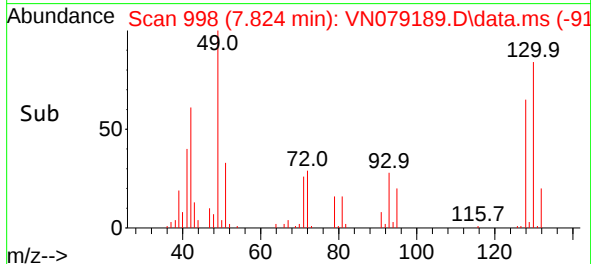
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 31699
Ion Ratio Lower Upper
128 100
49 161.0 0.0 414.3
130 129.6 0.0 311.0

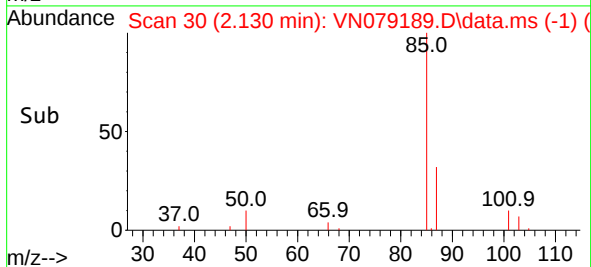
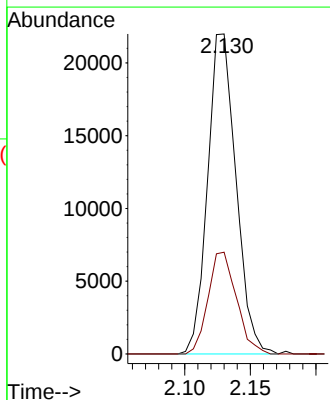
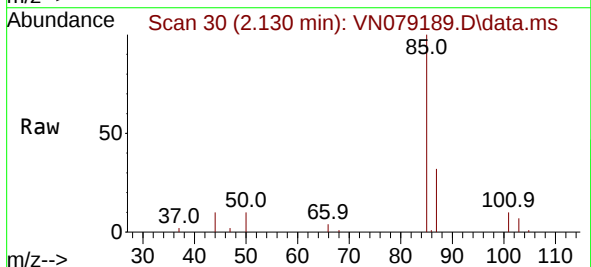
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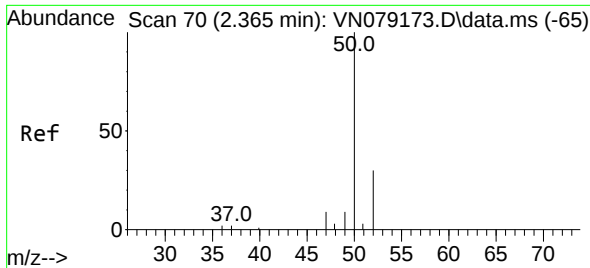
Reviewed By :John Carlone 09/09/2023
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#2
Dichlorodifluoromethane
Concen: 18.741 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion: 85 Resp: 33133
Ion Ratio Lower Upper
85 100
87 31.8 17.3 51.7





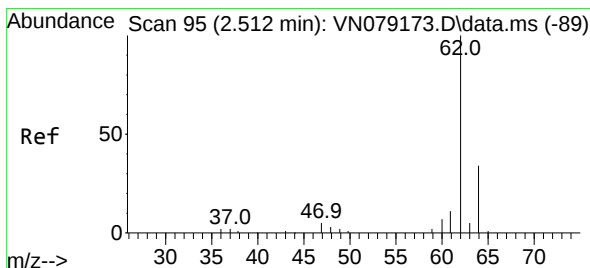
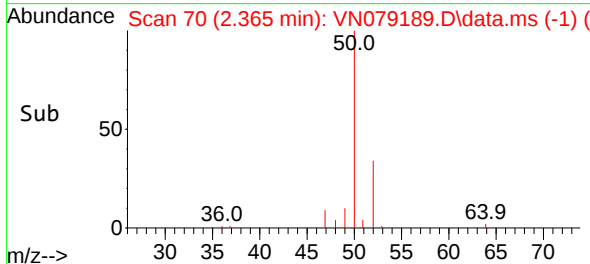
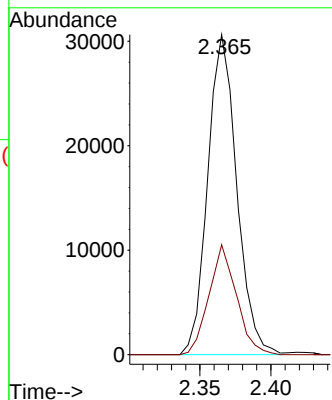
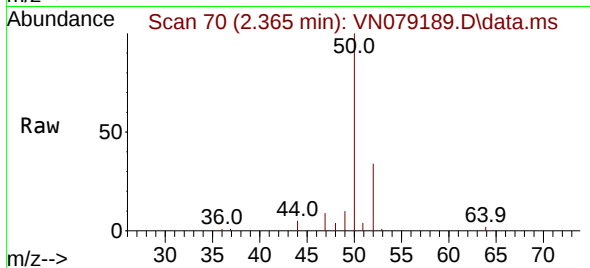
#3
Chloromethane
Concen: 24.614 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

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Tgt Ion: 50 Resp: 4363
Ion Ratio Lower Upper
50 100
52 34.4 24.0 36.0

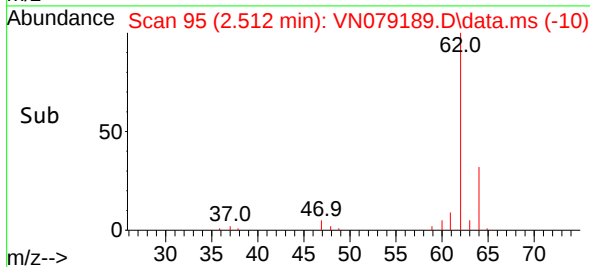
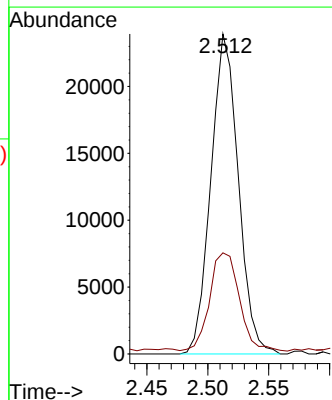
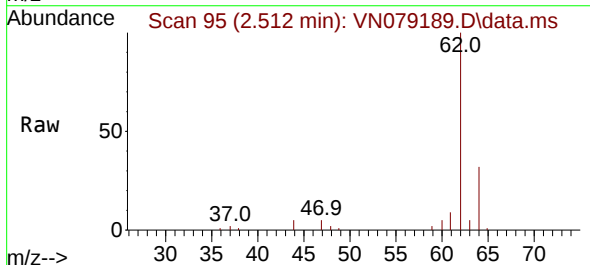
Manual Integrations
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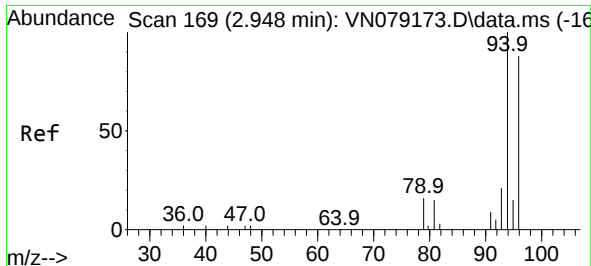
Reviewed By :John Carlone 09/09/2023
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#4
Vinyl Chloride
Concen: 21.411 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

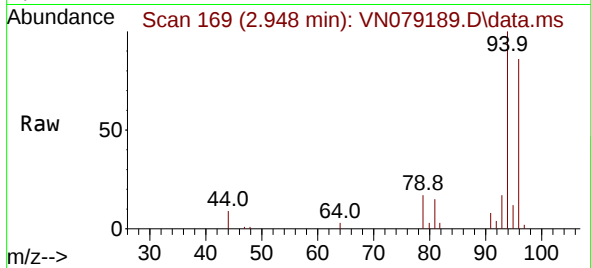
Tgt Ion: 62 Resp: 37552
Ion Ratio Lower Upper
62 100
64 30.5 27.1 40.7





#5
Bromomethane
Concen: 21.806 ug/l
RT: 2.948 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

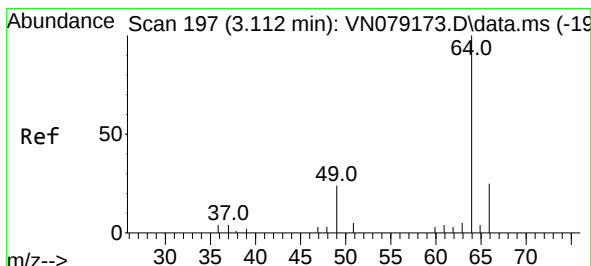
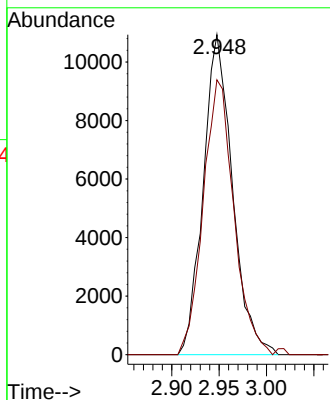
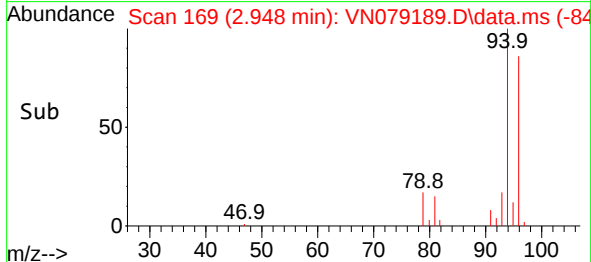
Instrument :
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ClientSampleId :
VSTDCCC020



Tgt Ion: 94 Resp: 2347
Ion Ratio Lower Upper
94 100
96 85.9 70.6 105.8

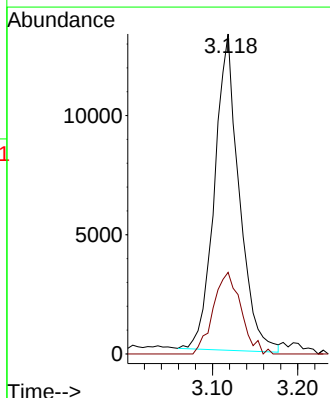
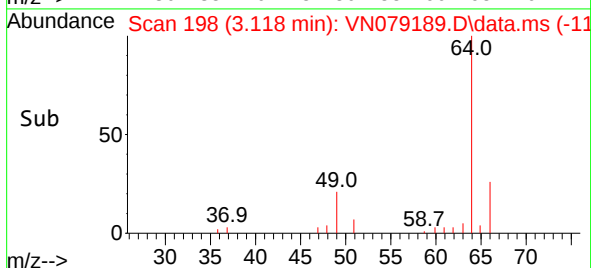
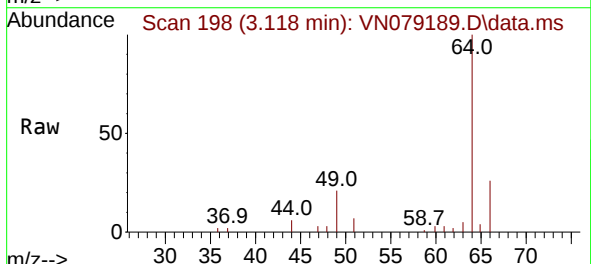
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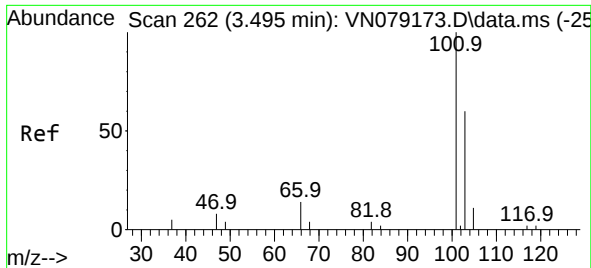
Reviewed By :John Carlone 09/09/2023
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#6
Chloroethane
Concen: 24.835 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion: 64 Resp: 26676
Ion Ratio Lower Upper
64 100
66 26.0 20.1 30.1





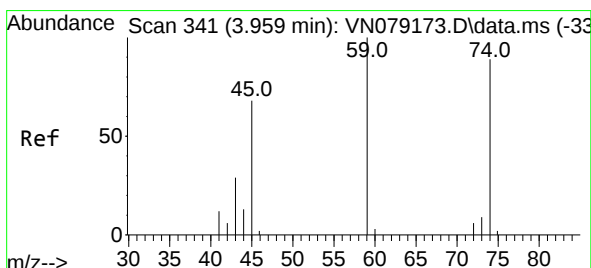
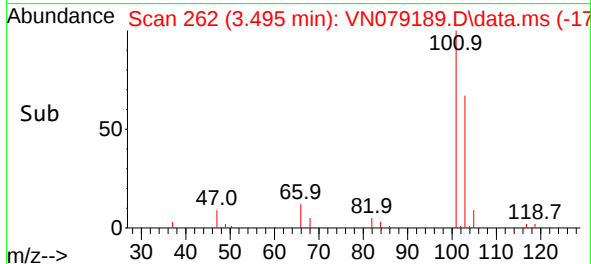
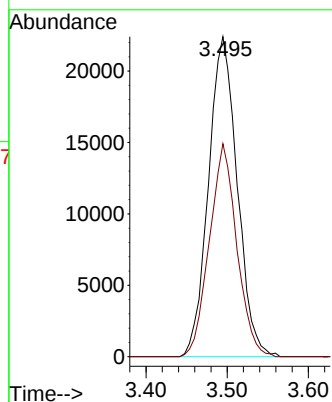
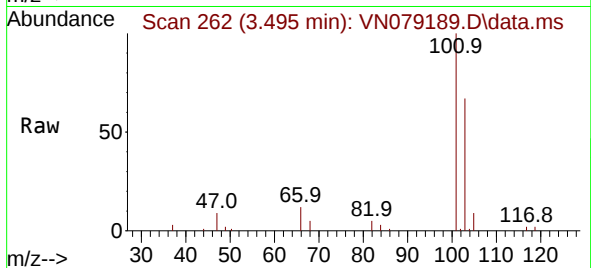
#7
Trichlorofluoromethane
Concen: 26.431 ug/l
RT: 3.495 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :
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ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 55190
Ion Ratio Lower Upper
101 100
103 66.6 48.2 72.4

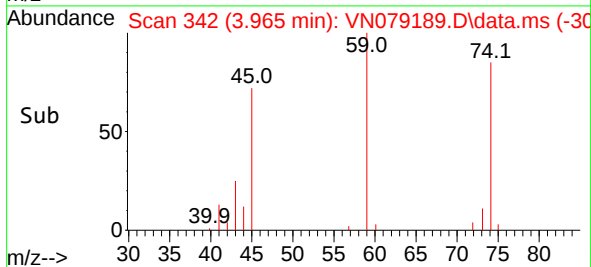
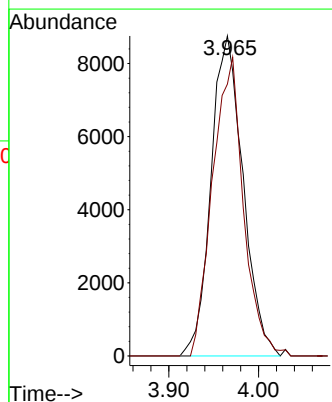
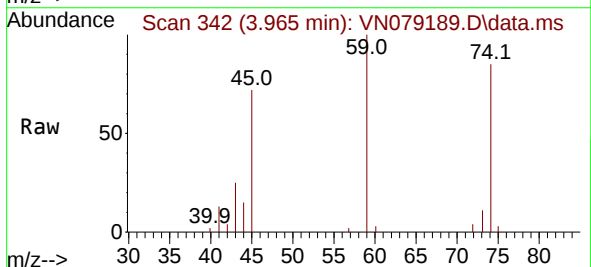
Manual Integrations
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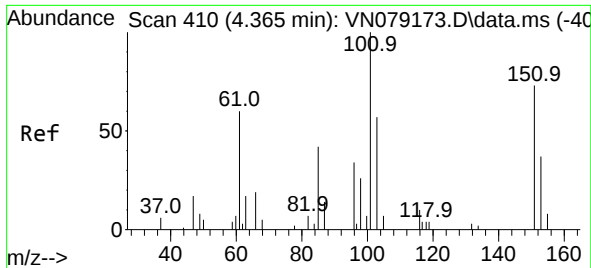
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#8
Diethyl Ether
Concen: 28.355 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion: 74 Resp: 21709
Ion Ratio Lower Upper
74 100
45 89.8 17.6 158.0





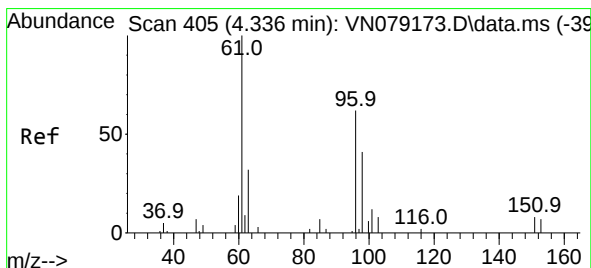
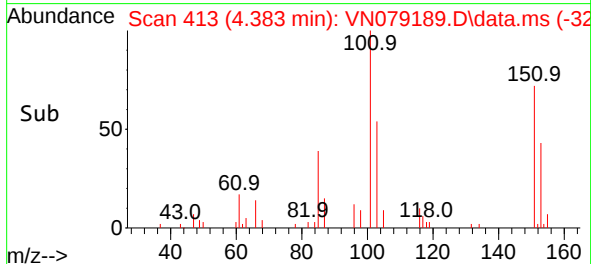
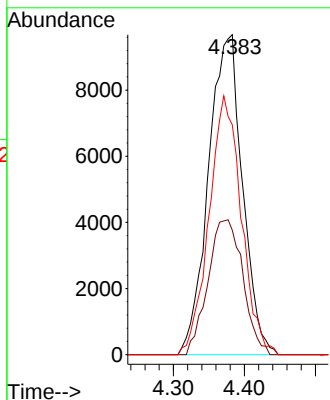
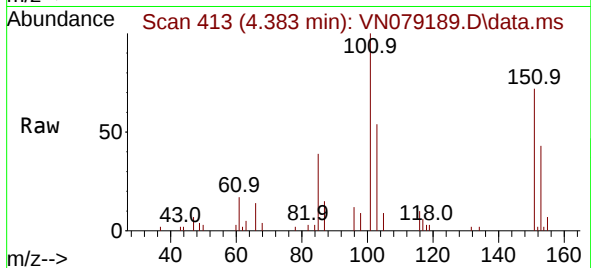
#9
1,1,2-Trichlorotrifluoroethane
Concen: 27.983 ug/l
RT: 4.383 min Scan# 410
Delta R.T. 0.018 min
Lab File: VN079189.D
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Tgt Ion:101 Resp: 32200
Ion Ratio Lower Upper
101 100
85 43.2 0.0 85.6
151 76.1 0.0 155.8

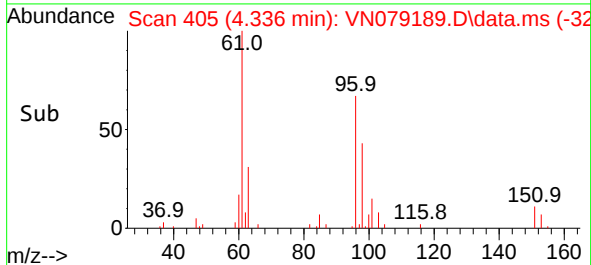
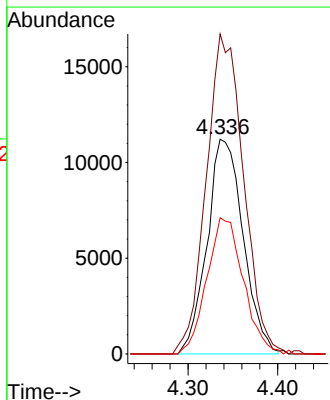
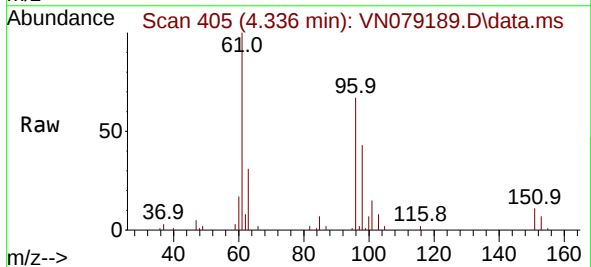
Manual Integrations
APPROVED

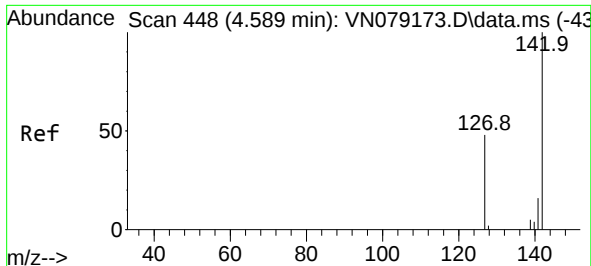
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#10
1,1-Dichloroethene
Concen: 28.141 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

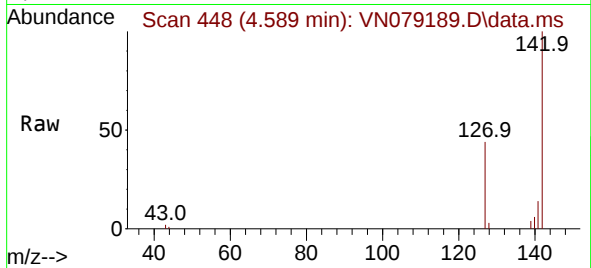
Tgt Ion: 96 Resp: 31376
Ion Ratio Lower Upper
96 100
61 146.0 130.2 195.2
98 63.4 52.3 78.5





#11
Methyl Iodide
Concen: 25.728 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

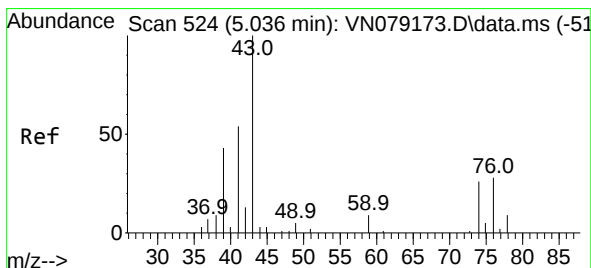
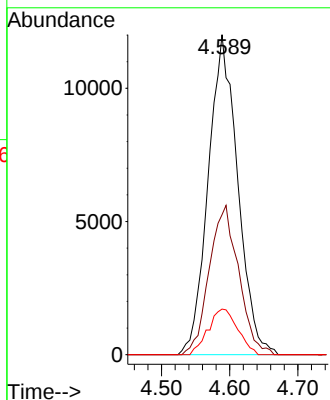
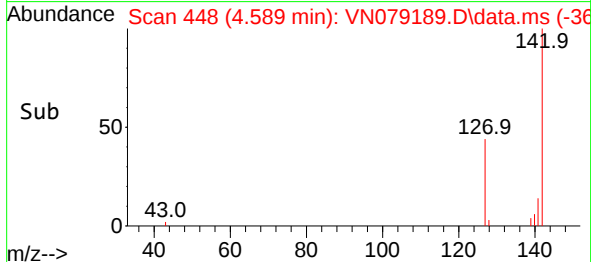
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 36134
Ion Ratio Lower Upper
142 100
127 43.8 23.8 71.4
141 14.2 8.2 24.6

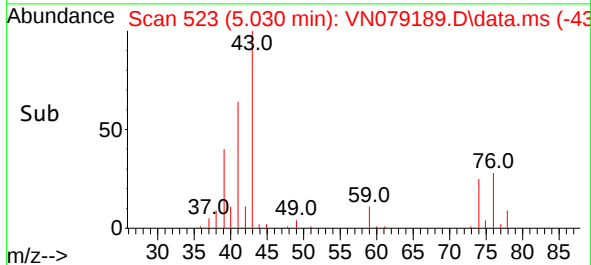
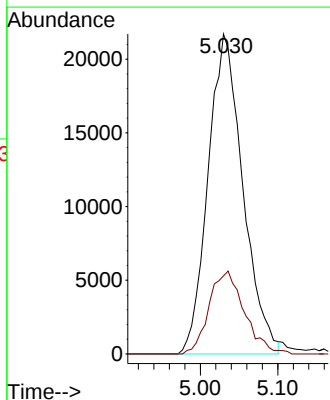
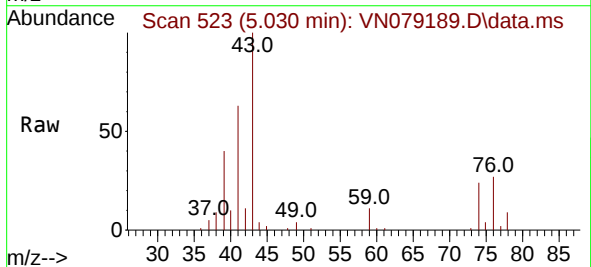
Manual Integrations
APPROVED

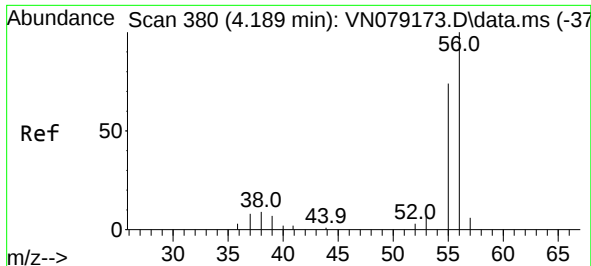
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#12
Methyl Acetate
Concen: 26.080 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion: 43 Resp: 67765
Ion Ratio Lower Upper
43 100
74 24.3 20.4 30.6





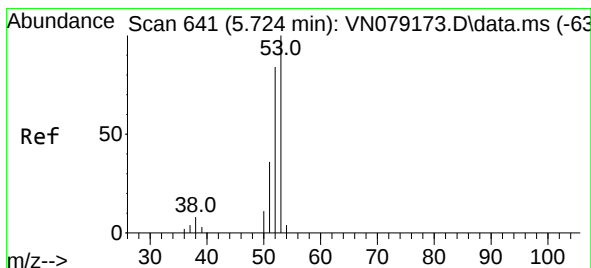
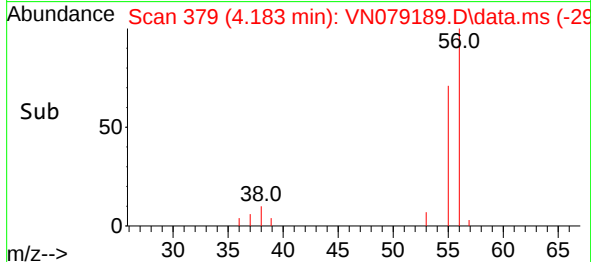
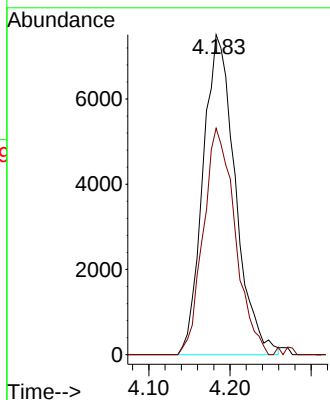
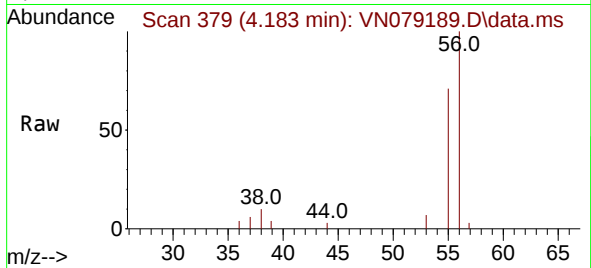
#13
Acrolein
Concen: 87.573 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 20724
Ion Ratio Lower Upper
56 100
55 69.7 57.7 86.5

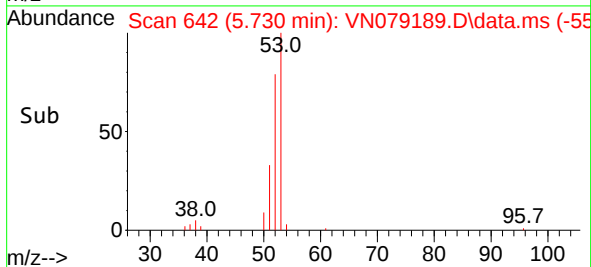
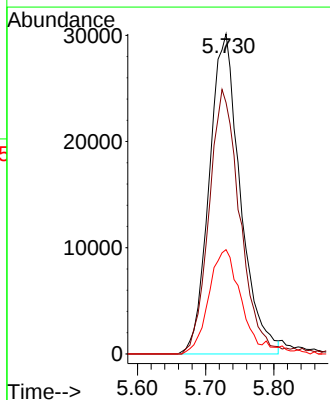
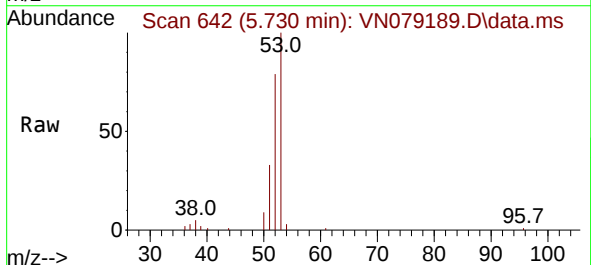
Manual Integrations
APPROVED

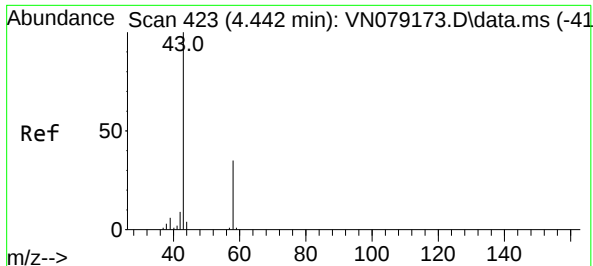
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#14
Acrylonitrile
Concen: 125.323 ug/l
RT: 5.730 min Scan# 642
Delta R.T. 0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

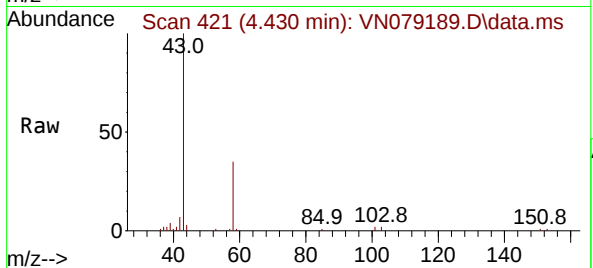
Tgt Ion: 53 Resp: 95534
Ion Ratio Lower Upper
53 100
52 81.5 41.4 124.4
51 32.9 17.3 51.9





#15
Acetone
Concen: 137.964 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

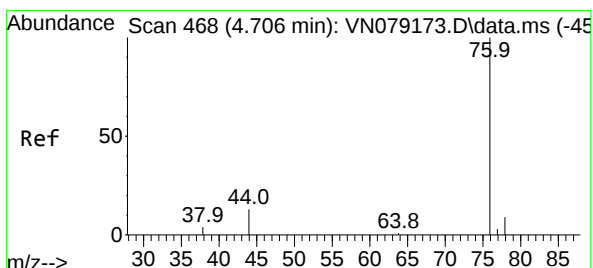
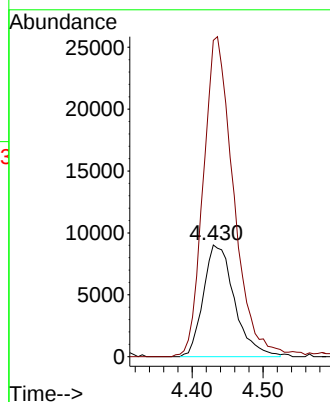
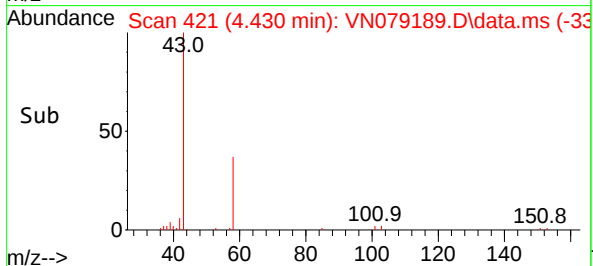
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 58 Resp: 2743
Ion Ratio Lower Upper
58 100
43 280.9 228.3 342.5

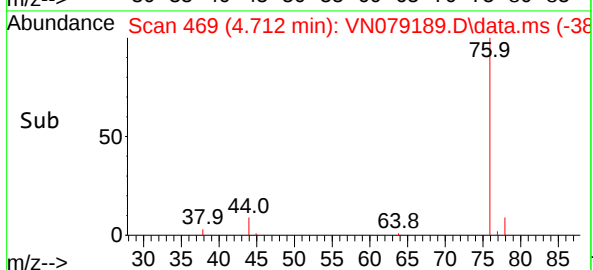
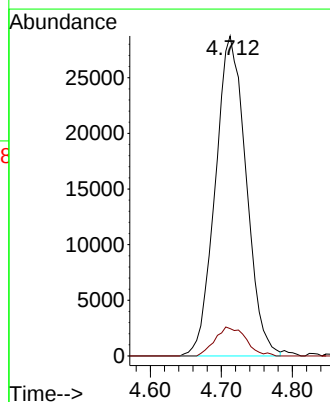
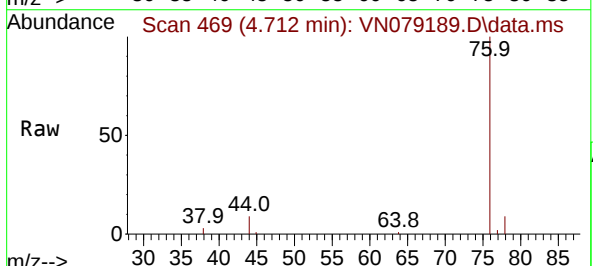
Manual Integrations
APPROVED

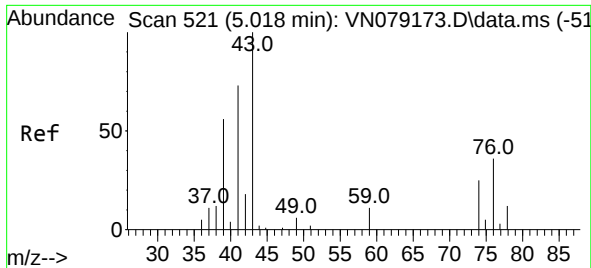
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#16
Carbon Disulfide
Concen: 26.281 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

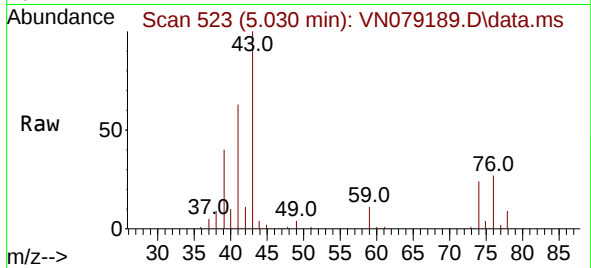
Tgt Ion: 76 Resp: 86584
Ion Ratio Lower Upper
76 100
78 8.5 6.9 10.3





#17
 Allyl chloride
 Concen: 25.642 ug/l
 RT: 5.030 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VN079189.D
 Acq: 08 Sep 2023 11:11

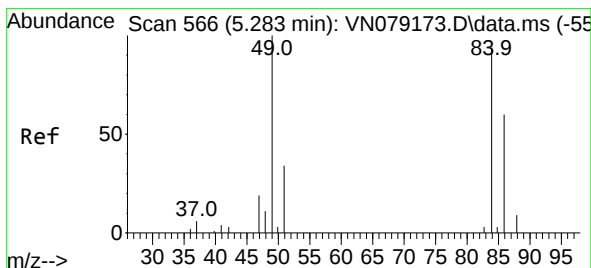
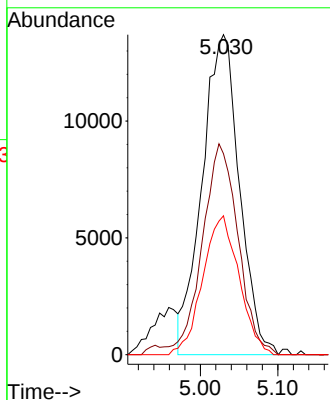
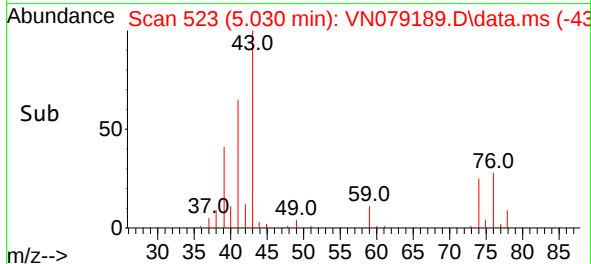
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 41 Resp: 45940
 Ion Ratio Lower Upper
 41 100
 39 62.8 38.3 114.8
 76 43.4 23.7 71.1

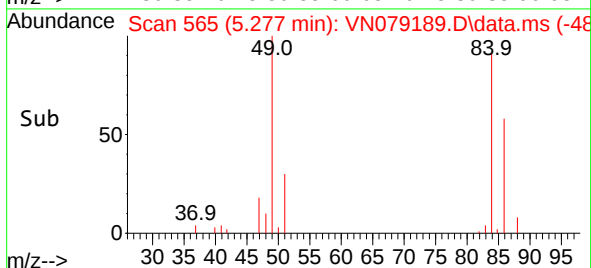
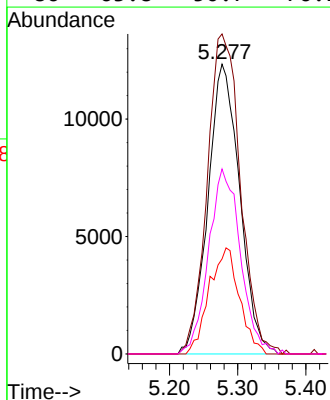
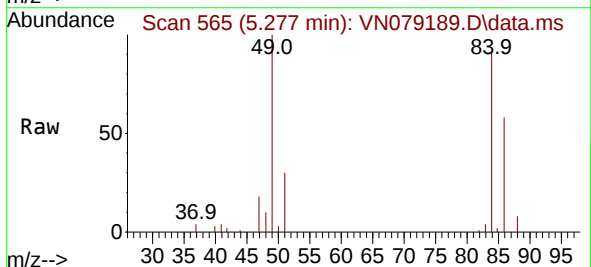
Manual Integrations
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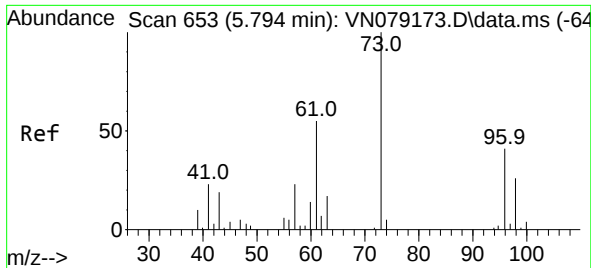
Reviewed By :John Carlone 09/09/2023
 Supervised By :Mahesh Dadoda 09/11/2023



#18
 Methylene Chloride
 Concen: 26.715 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. -0.006 min
 Lab File: VN079189.D
 Acq: 08 Sep 2023 11:11

Tgt Ion: 84 Resp: 39951
 Ion Ratio Lower Upper
 84 100
 49 110.4 86.9 130.3
 51 32.8 28.6 43.0
 86 63.8 50.7 76.1





#19

trans-1,2-Dichloroethene

Concen: 25.517 ug/l

RT: 5.795 min Scan# 61

Delta R.T. 0.001 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 96 Resp: 35590

Ion Ratio Lower Upper

96 100

61 130.3 106.6 159.8

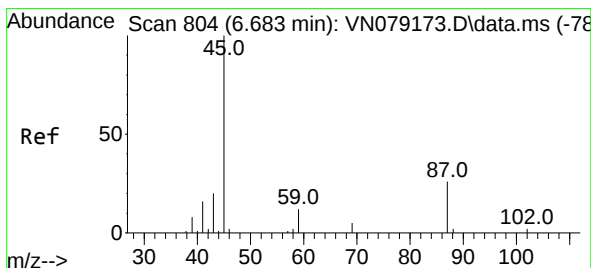
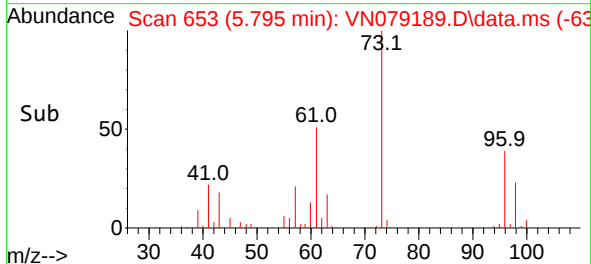
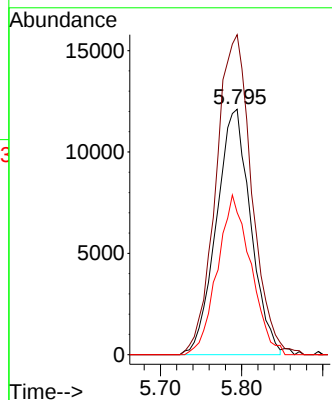
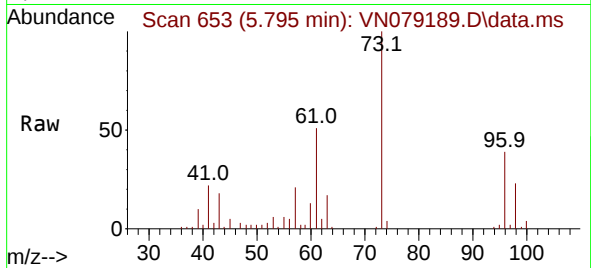
98 57.9 51.0 76.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/09/2023

Supervised By :Mahesh Dadoda 09/11/2023



#20

Diisopropyl ether

Concen: 21.624 ug/l

RT: 6.677 min Scan# 803

Delta R.T. -0.006 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

Tgt Ion: 45 Resp: 115656

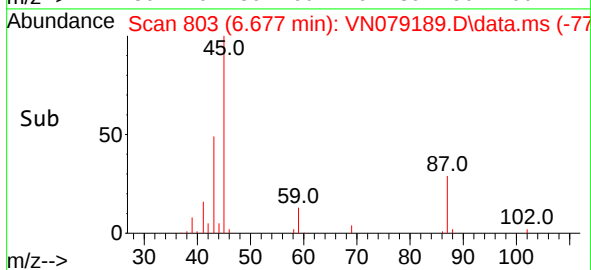
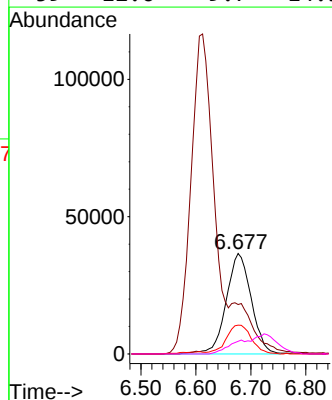
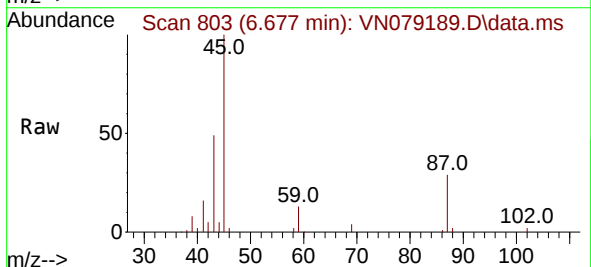
Ion Ratio Lower Upper

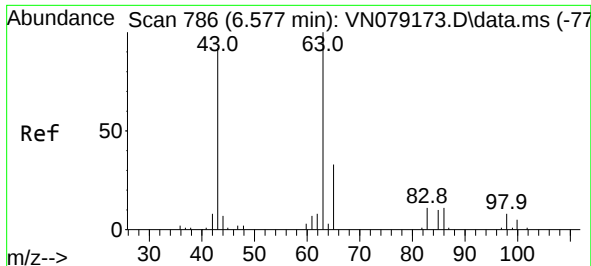
45 100

43 45.4 34.9 52.3

87 28.7 21.5 32.3

59 12.6 9.7 14.5





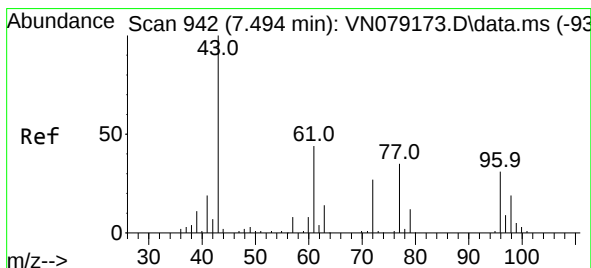
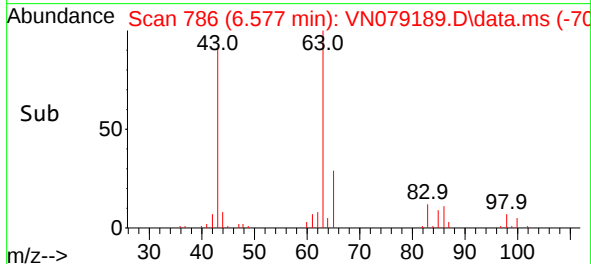
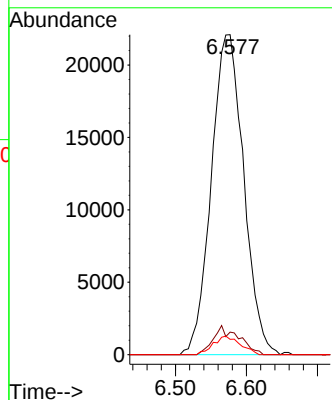
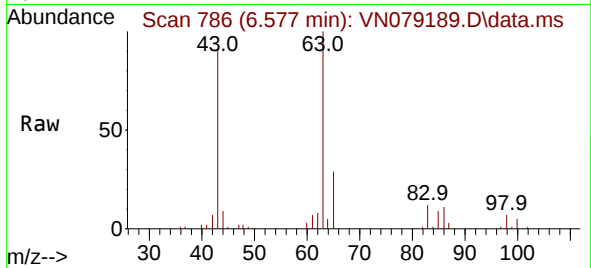
#21
1,1-Dichloroethane
Concen: 22.334 ug/l
RT: 6.577 min Scan# 786
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 69980
Ion Ratio Lower Upper
63 100
98 7.1 3.9 11.5
100 4.8 2.5 7.5

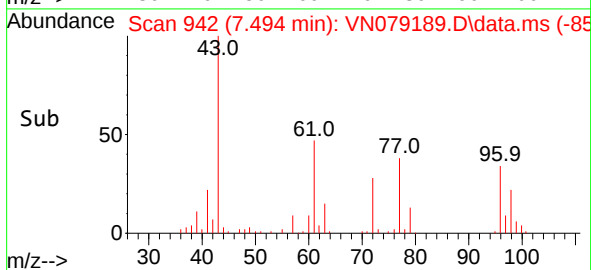
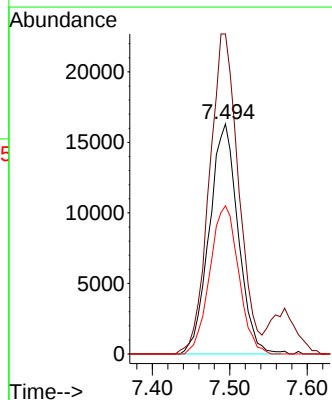
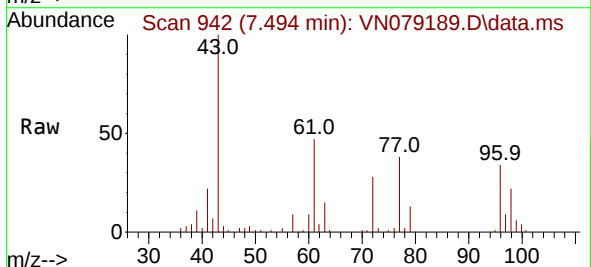
Manual Integrations
APPROVED

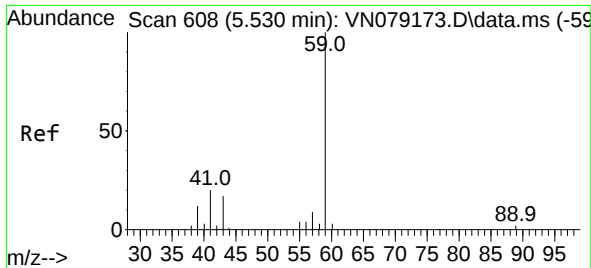
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#22
cis-1,2-Dichloroethene
Concen: 19.302 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion: 96 Resp: 42109
Ion Ratio Lower Upper
96 100
61 141.2 113.0 169.6
98 64.3 50.2 75.4





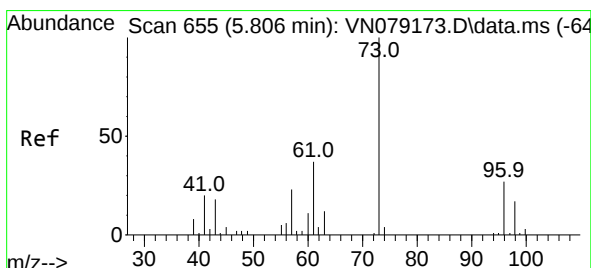
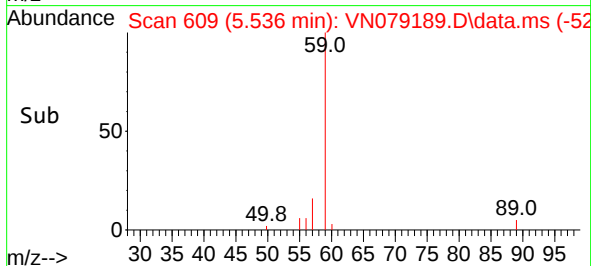
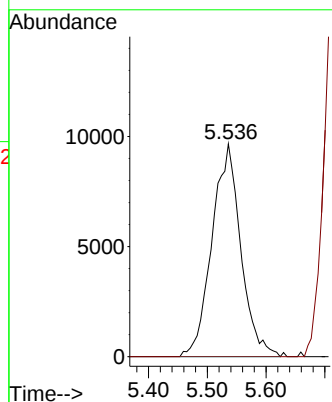
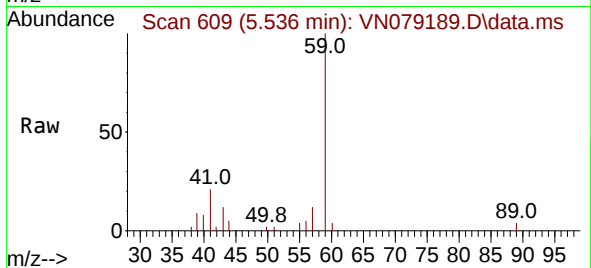
#23
tert-Butyl Alcohol
Concen: 112.149 ug/l
RT: 5.536 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 3288
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

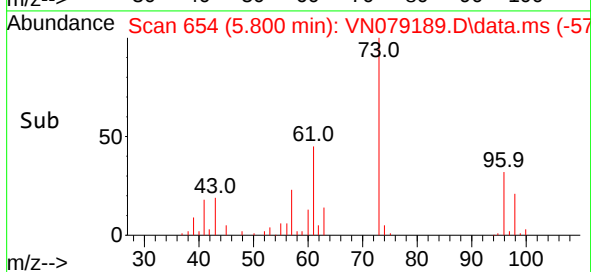
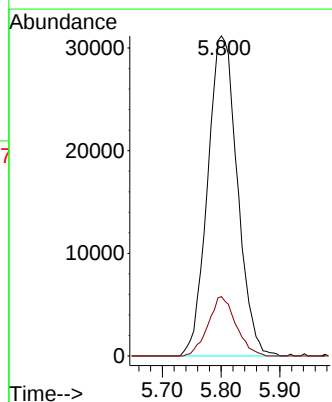
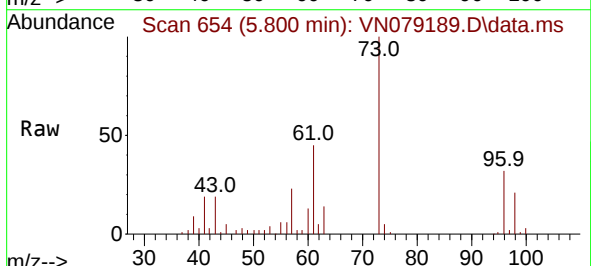
Manual Integrations
APPROVED

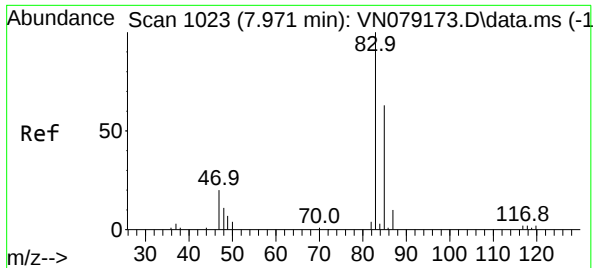
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#24
Methyl tert-Butyl Ether
Concen: 24.897 ug/l
RT: 5.800 min Scan# 654
Delta R.T. -0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion: 73 Resp: 109554
Ion Ratio Lower Upper
73 100
43 17.3 14.7 22.1





#25

Chloroform

Concen: 18.992 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 71759

Ion Ratio Lower Upper

83 100

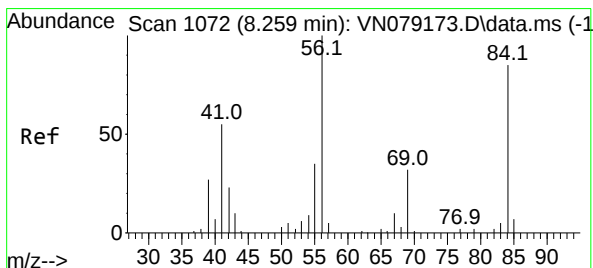
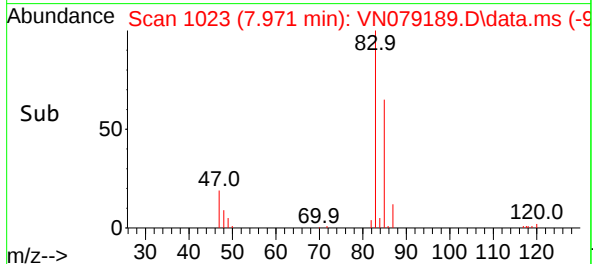
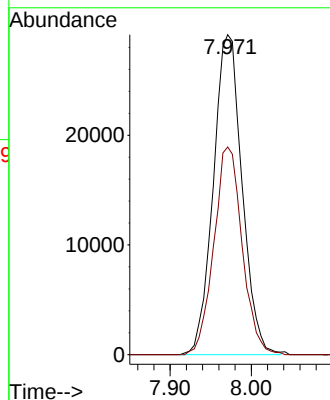
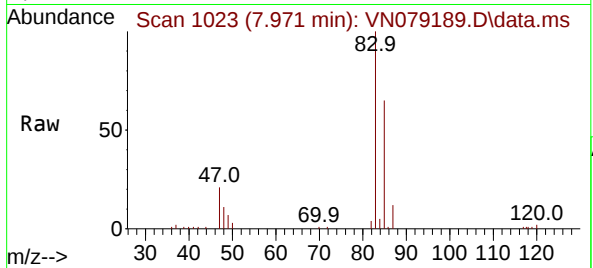
85 64.9 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/09/2023

Supervised By :Mahesh Dadoda 09/11/2023



#26

Cyclohexane

Concen: 17.768 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.006 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

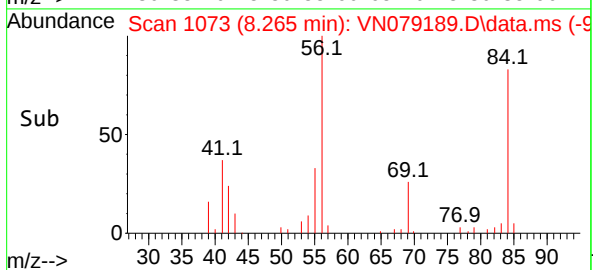
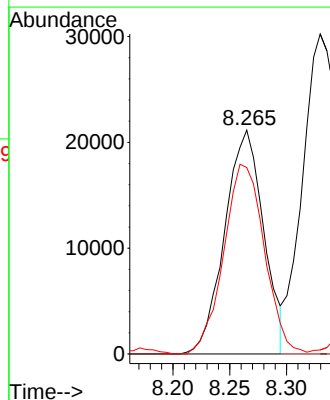
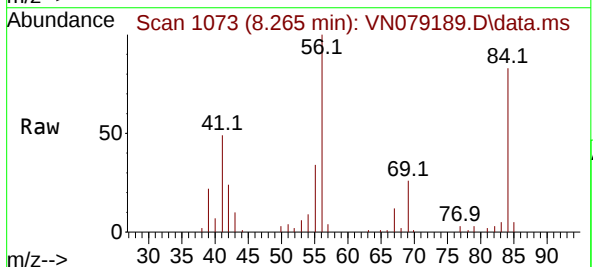
Tgt Ion: 56 Resp: 50484

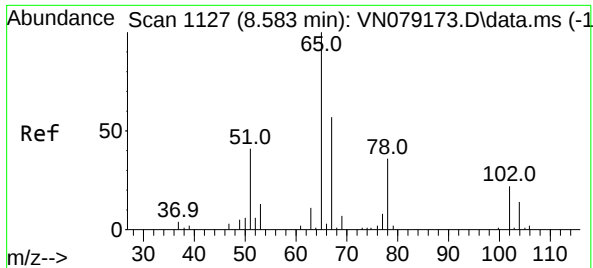
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 88.5 71.1 106.7





#27
1,2-Dichloroethane-d4
Concen: 29.233 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

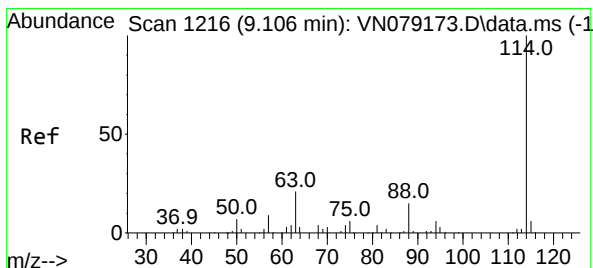
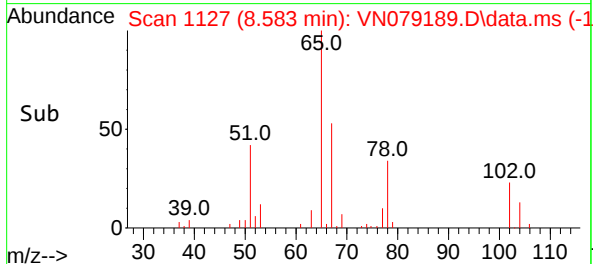
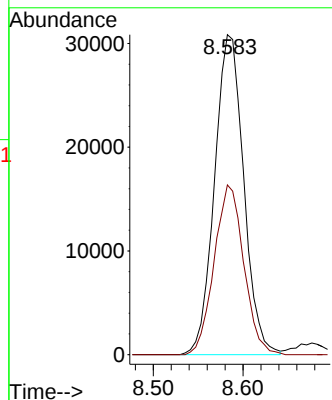
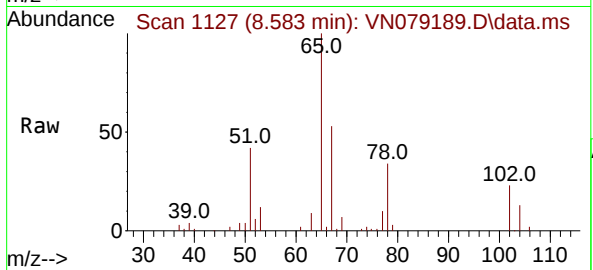
VSTDCCC020

Tgt Ion: 65 Resp: 69620
Ion Ratio Lower Upper
65 100
67 53.8 44.4 66.6

Manual Integrations

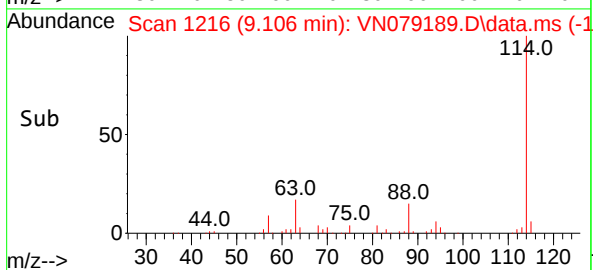
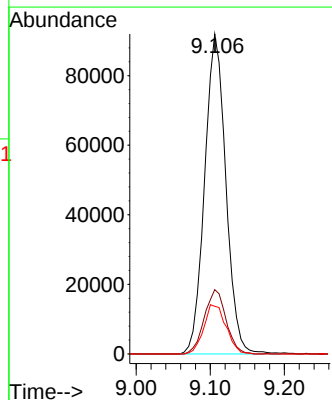
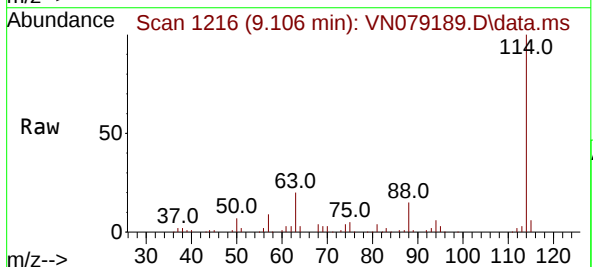
APPROVED

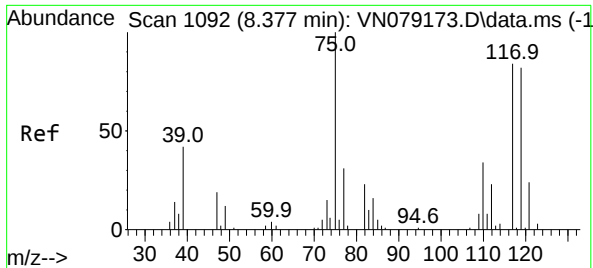
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion:114 Resp: 183080
Ion Ratio Lower Upper
114 100
63 20.5 17.0 25.4
88 16.1 12.8 19.2





#29
1,1-Dichloropropene
Concen: 17.376 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

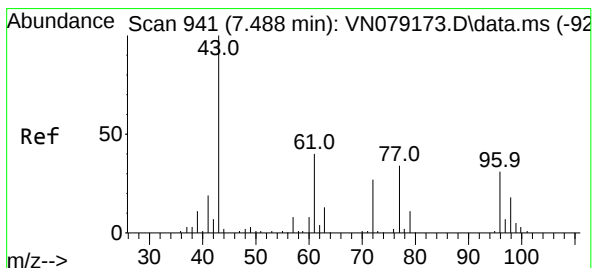
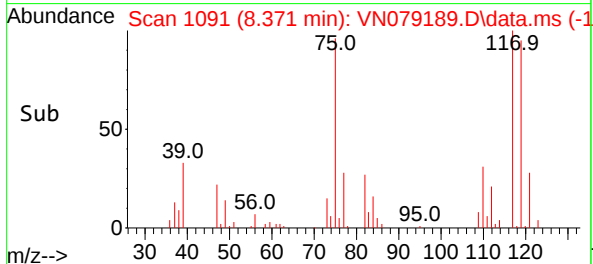
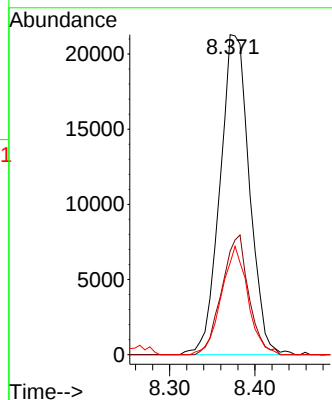
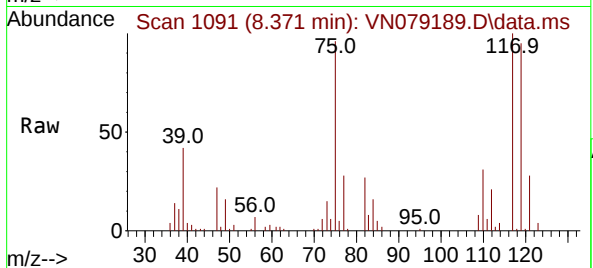
Tgt Ion: 75 Resp: 51004
Ion Ratio Lower Upper
75 100
110 34.2 0.0 68.4
77 30.5 0.0 63.2

Manual Integrations

APPROVED

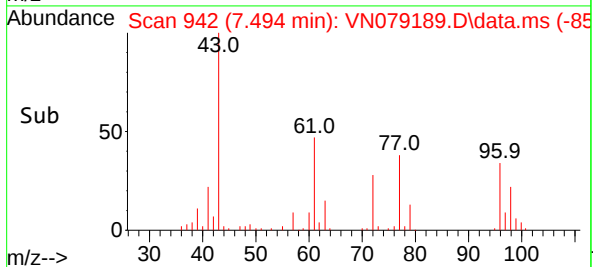
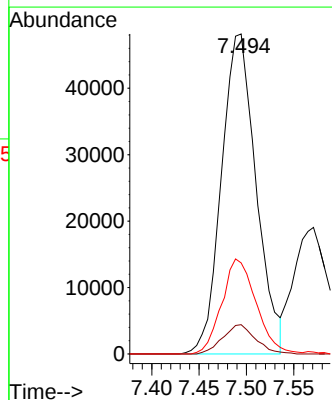
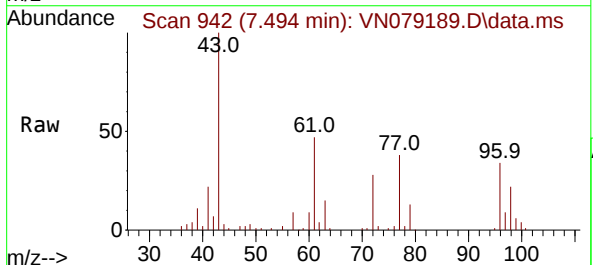
Reviewed By :John Carlone 09/09/2023

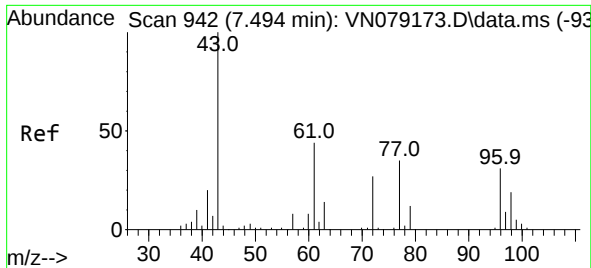
Supervised By :Mahesh Dadoda 09/11/2023



#30
2-Butanone
Concen: 83.104 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion: 43 Resp: 122697
Ion Ratio Lower Upper
43 100
57 8.7 6.8 10.2
72 29.4 22.4 33.6





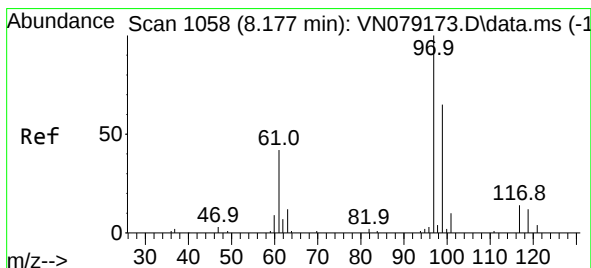
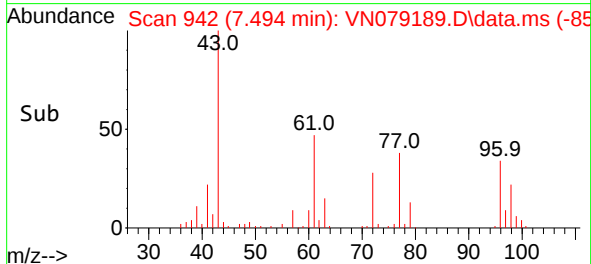
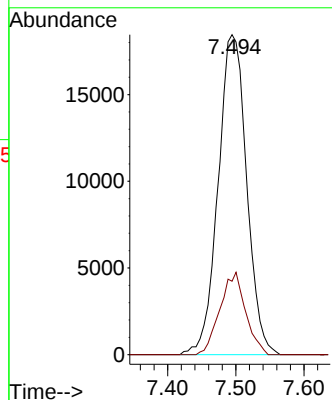
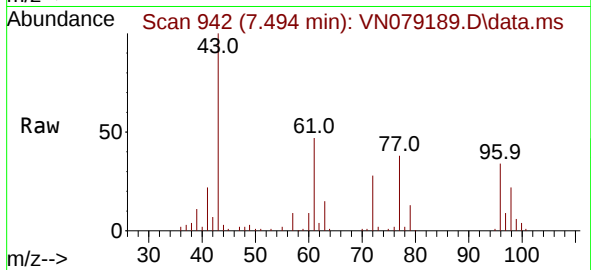
#31
2,2-Dichloropropane
Concen: 18.370 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 5378
Ion Ratio Lower Upper
77 100
97 23.1 17.8 26.8

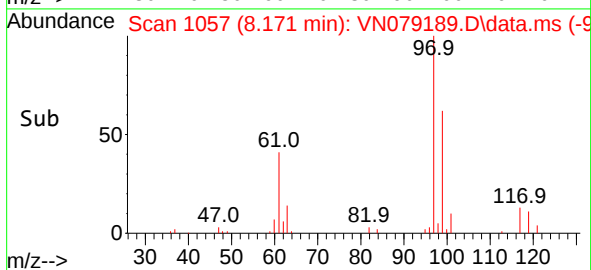
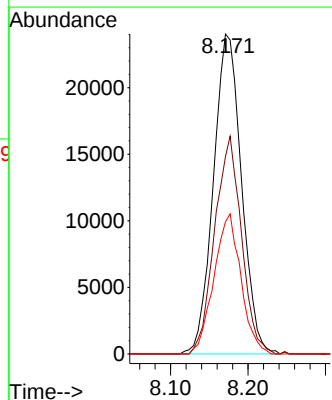
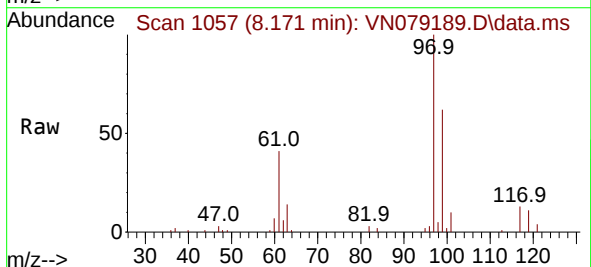
Manual Integrations
APPROVED

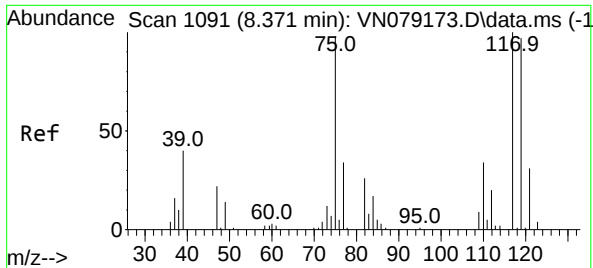
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#32
1,1,1-Trichloroethane
Concen: 17.512 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

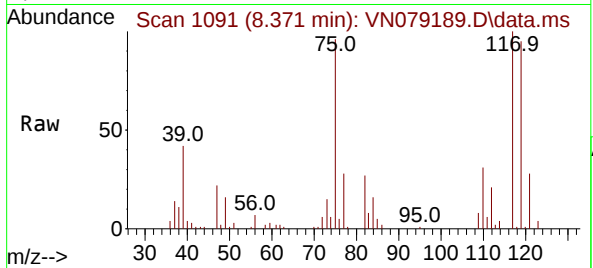
Tgt Ion: 97 Resp: 60559
Ion Ratio Lower Upper
97 100
99 64.9 52.0 78.0
61 42.1 33.4 50.0





#33
Carbon Tetrachloride
Concen: 18.225 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

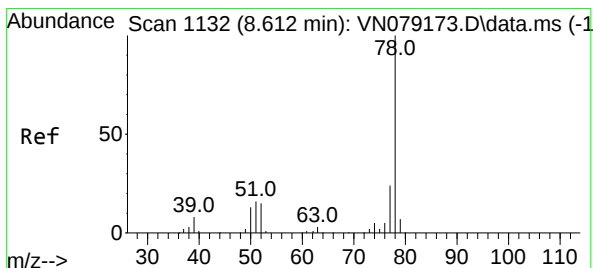
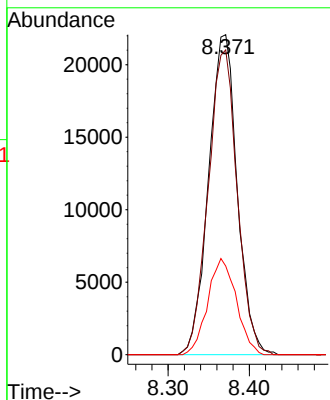
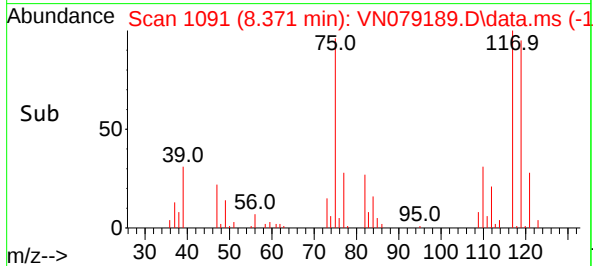
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 54139
Ion Ratio Lower Upper
117 100
119 95.3 77.9 116.9
121 27.7 25.1 37.7

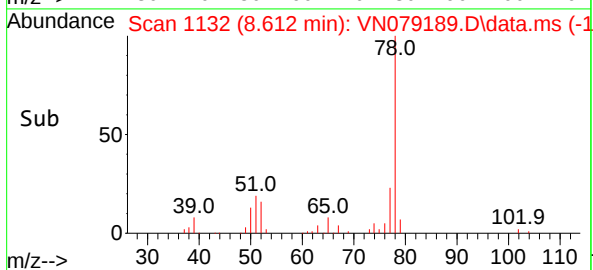
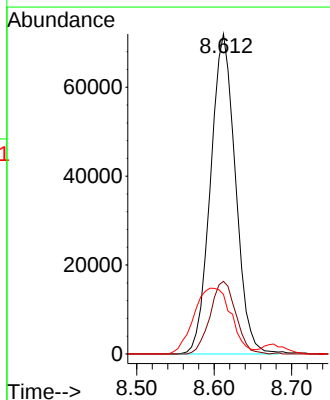
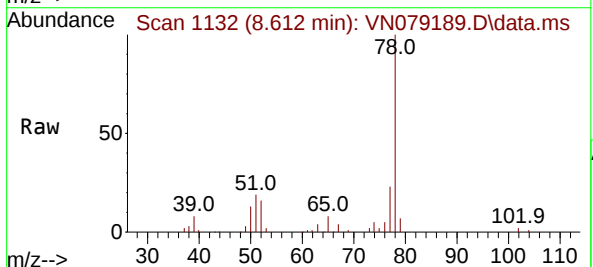
Manual Integrations
APPROVED

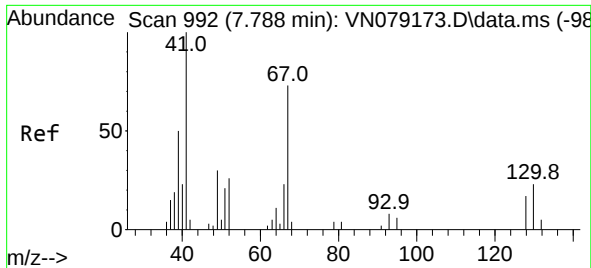
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#34
Benzene
Concen: 17.270 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

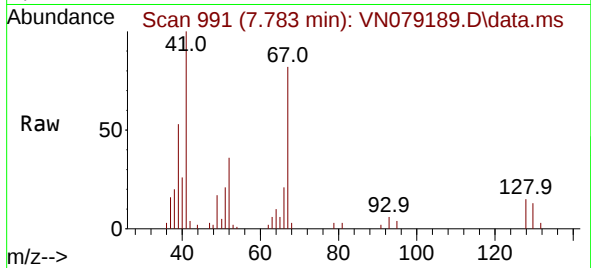
Tgt Ion: 78 Resp: 161060
Ion Ratio Lower Upper
78 100
77 22.7 18.9 28.3
51 16.9 13.1 19.7





#35
Methacrylonitrile
Concen: 16.322 ug/l
RT: 7.783 min Scan# 991
Delta R.T. -0.005 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

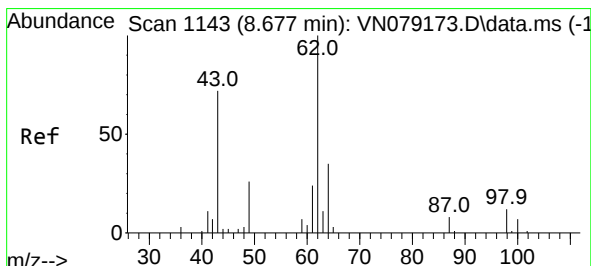
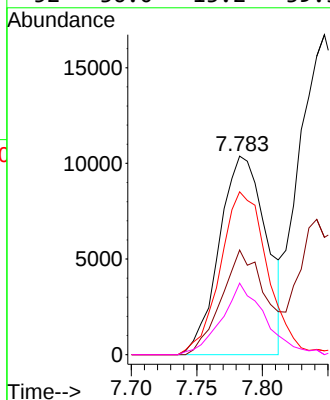
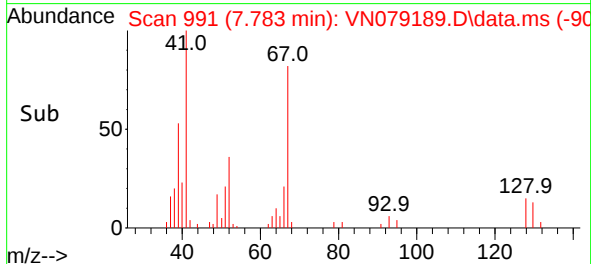
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 41	Resp: 2594
Ion Ratio	Lower Upper
41	100
39	52.7 24.9 74.6
67	82.1 36.7 110.1
52	36.0 13.2 39.5

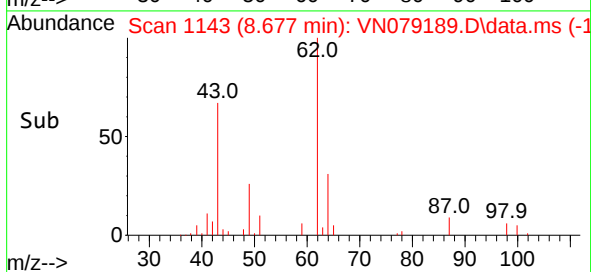
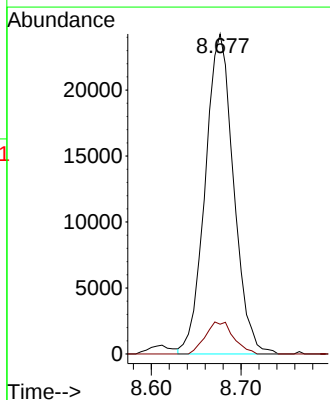
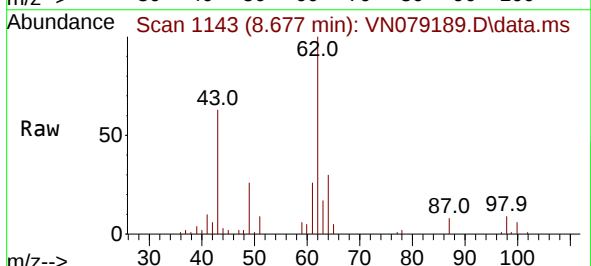
Manual Integrations
APPROVED

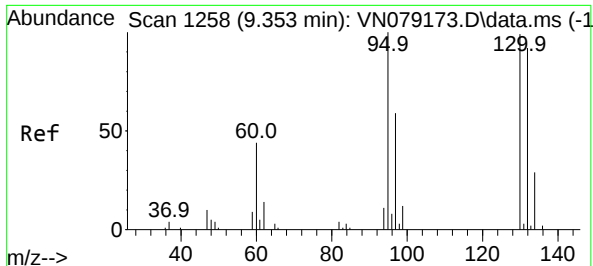
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#36
1,2-Dichloroethane
Concen: 17.328 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion: 62	Resp: 53296
Ion Ratio	Lower Upper
62	100
98	9.9 8.2 12.2





#37

Trichloroethene

Concen: 17.752 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.006 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 3913

Ion Ratio Lower Upper

130 100

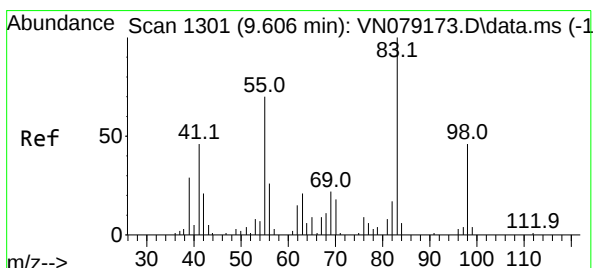
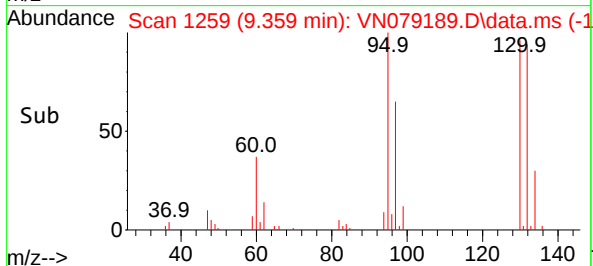
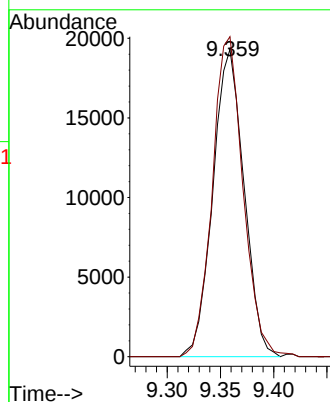
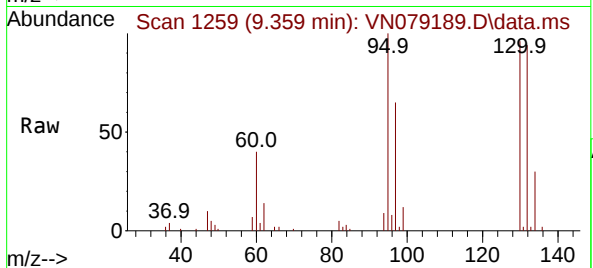
95 104.1 81.0 121.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/09/2023

Supervised By :Mahesh Dadoda 09/11/2023



#38

Methylcyclohexane

Concen: 16.189 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

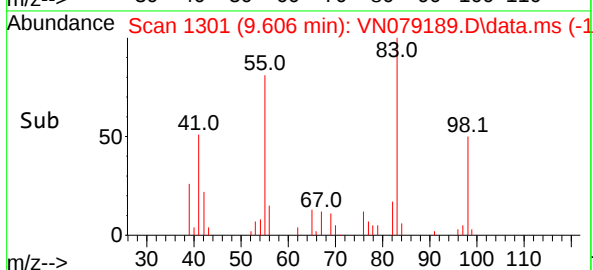
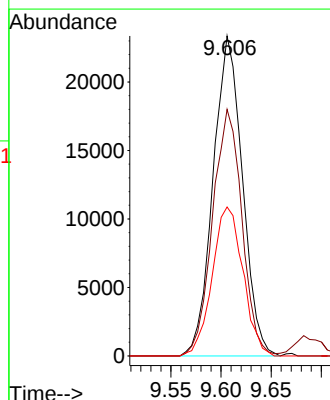
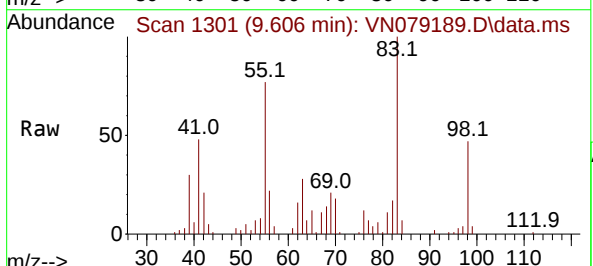
Tgt Ion: 83 Resp: 47508

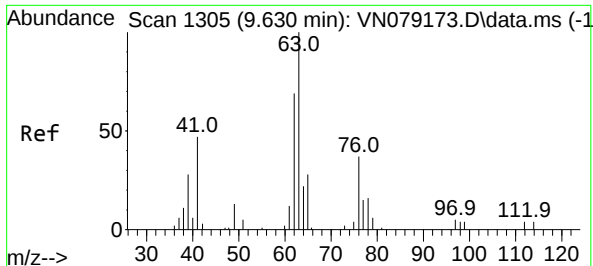
Ion Ratio Lower Upper

83 100

55 77.1 39.1 117.2

98 48.9 24.1 72.4





#39

1,2-Dichloropropane

Concen: 17.362 ug/l

RT: 9.630 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 4176

Ion Ratio Lower Upper

63 100

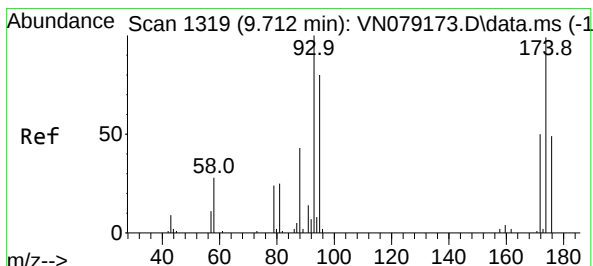
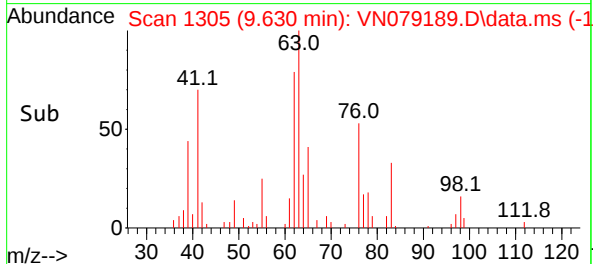
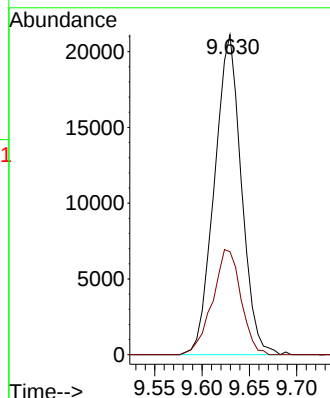
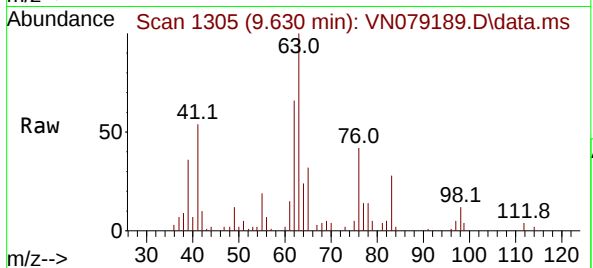
65 32.2 23.4 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/09/2023

Supervised By :Mahesh Dadoda 09/11/2023



#40

Dibromomethane

Concen: 17.453 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

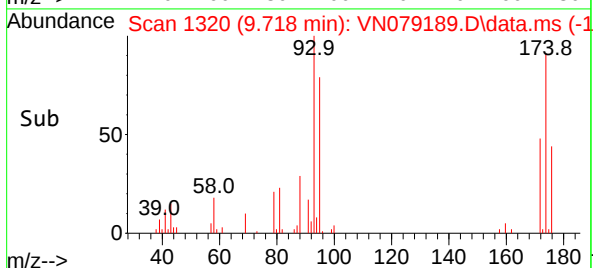
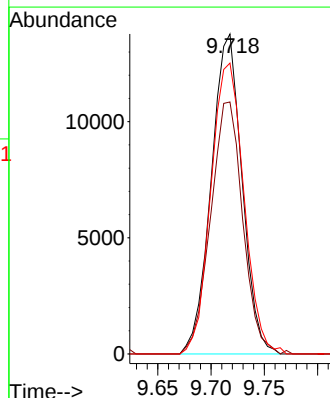
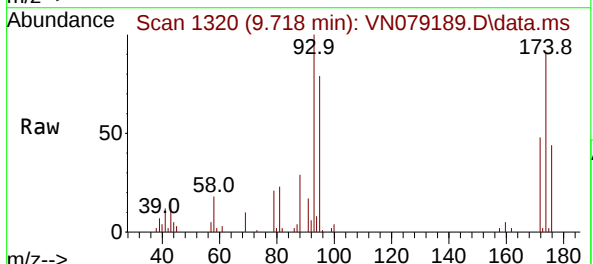
Tgt Ion: 93 Resp: 27688

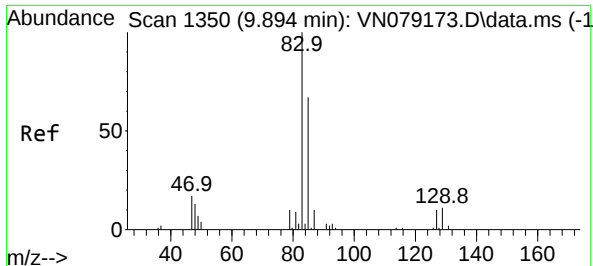
Ion Ratio Lower Upper

93 100

95 82.0 0.0 172.4

174 97.2 0.0 192.4





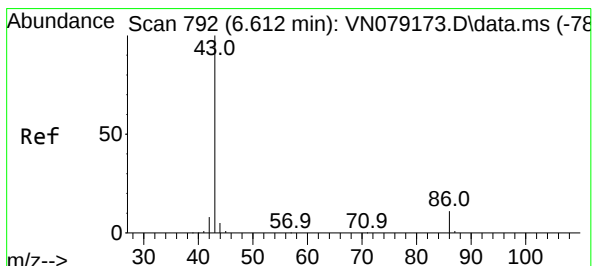
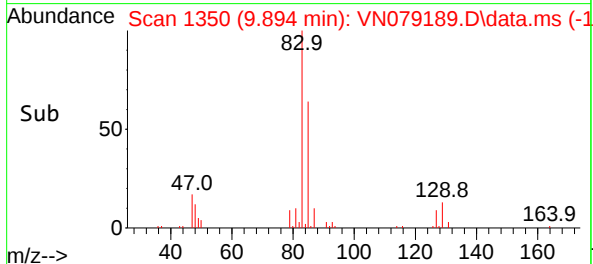
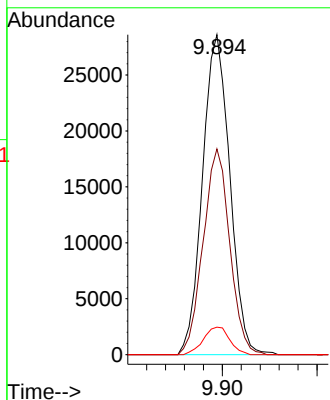
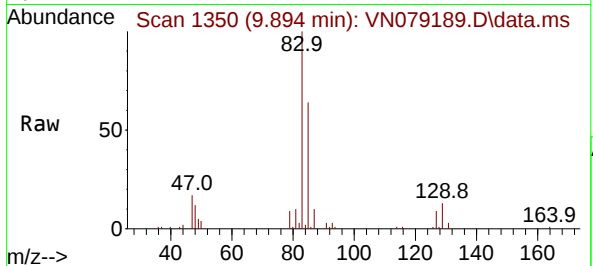
#41
Bromodichloromethane
Concen: 18.121 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 57308
Ion Ratio Lower Upper
83 100
85 64.3 53.4 80.2
127 8.6 8.3 12.5

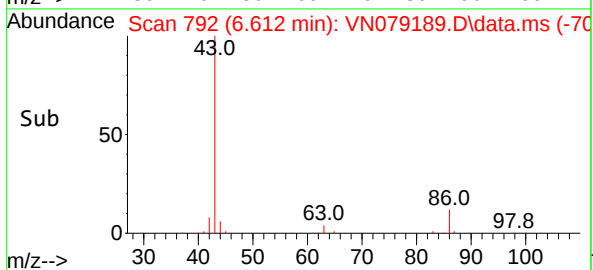
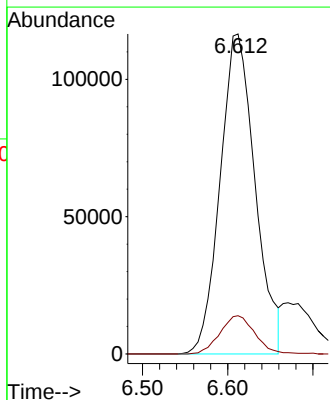
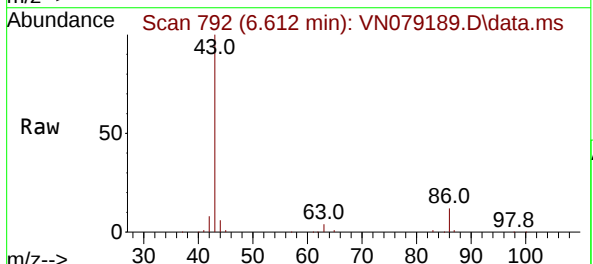
Manual Integrations
APPROVED

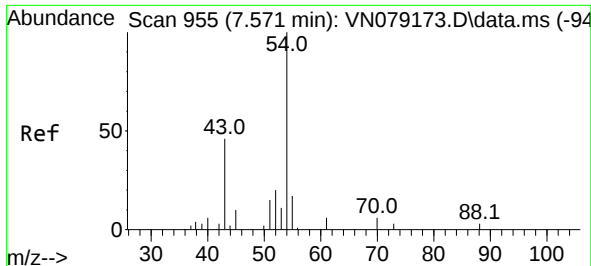
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#42
Vinyl Acetate
Concen: 95.003 ug/l
RT: 6.612 min Scan# 792
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion: 43 Resp: 333111
Ion Ratio Lower Upper
43 100
86 11.9 9.2 13.8





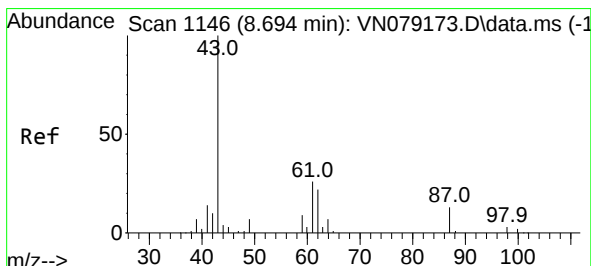
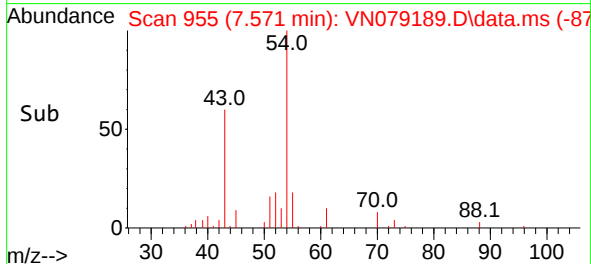
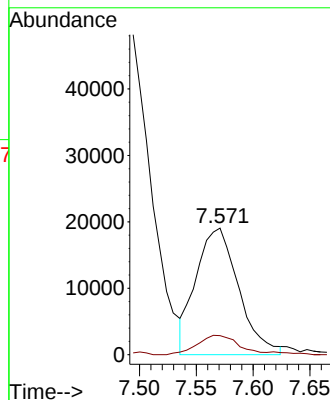
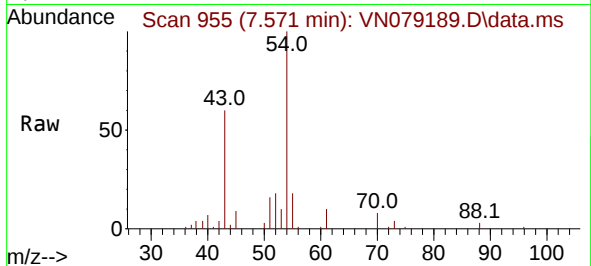
#43
Ethyl Acetate
Concen: 17.738 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 49738
Ion Ratio Lower Upper
43 100
45 14.7 11.1 16.7

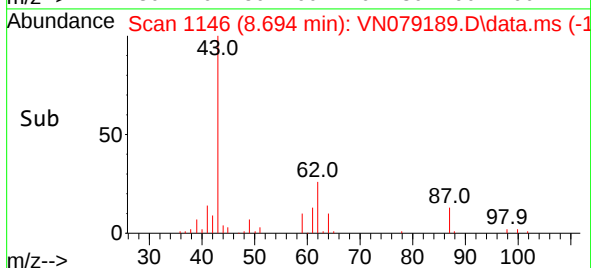
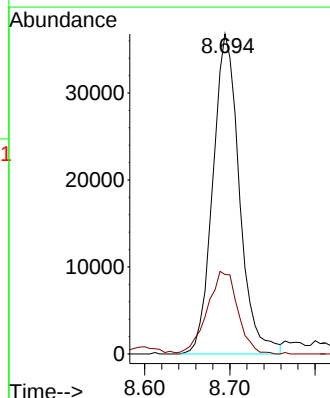
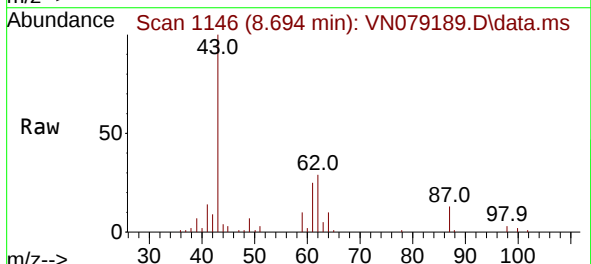
Manual Integrations
APPROVED

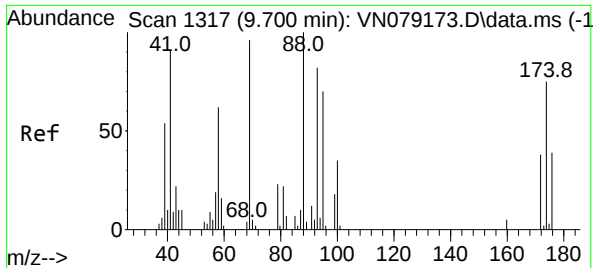
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#44
Isopropyl Acetate
Concen: 15.809 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

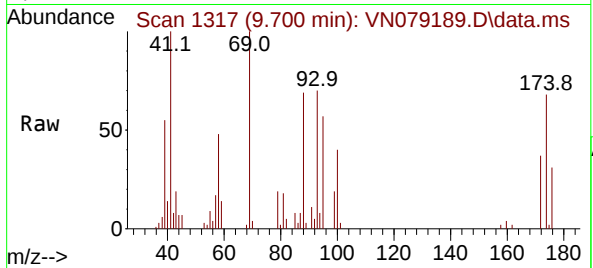
Tgt Ion: 43 Resp: 79744
Ion Ratio Lower Upper
43 100
61 29.4 22.6 33.8





#45
1,4-Dioxane
Concen: 307.038 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

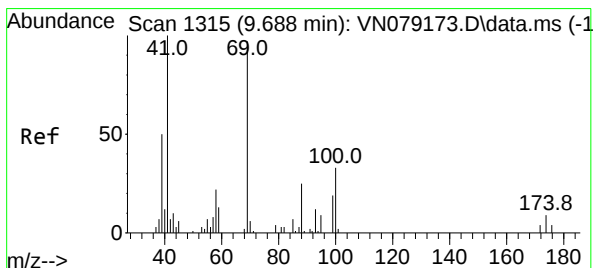
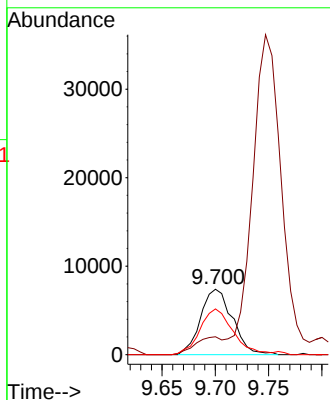
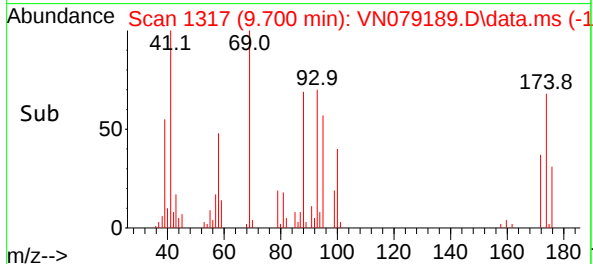
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



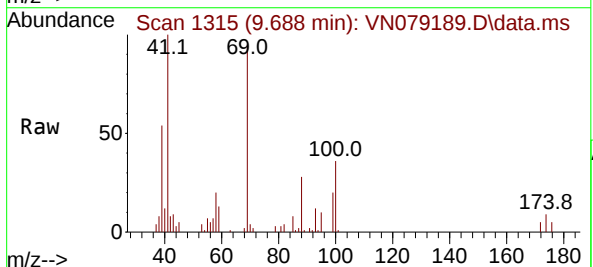
Tgt Ion: 88 Resp: 15410
Ion Ratio Lower Upper
88 100
43 23.0 19.9 29.9
58 72.4 58.0 87.0

Manual Integrations
APPROVED

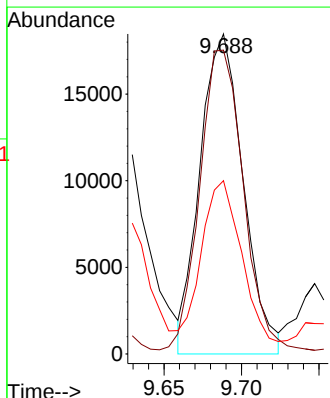
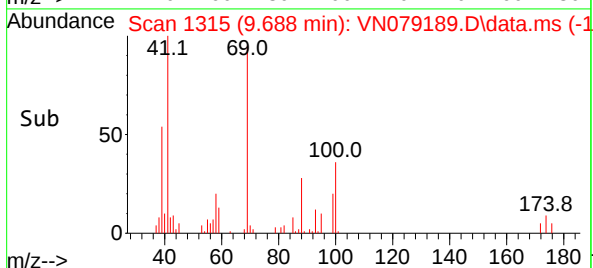
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023

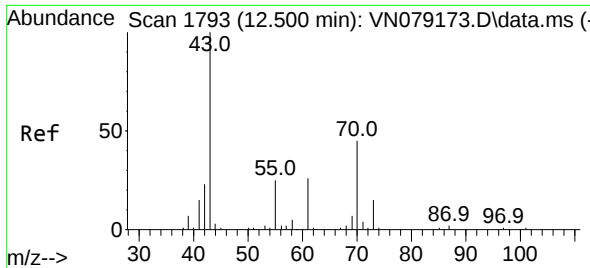


#46
Methyl methacrylate
Concen: 15.851 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11



Tgt Ion: 41 Resp: 35721
Ion Ratio Lower Upper
41 100
69 96.7 48.1 144.3
39 53.8 25.8 77.3





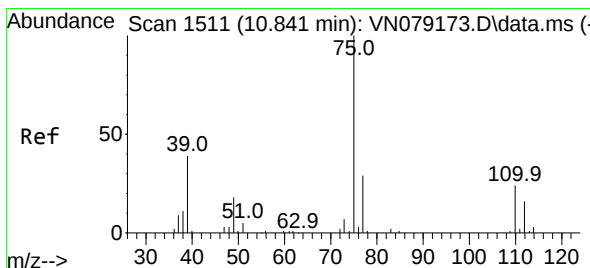
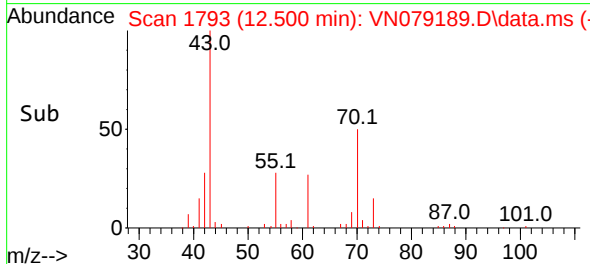
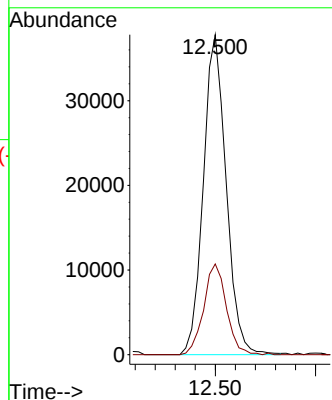
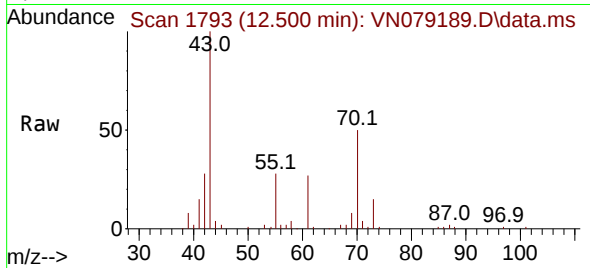
#47
n-amy1 Acetate
Concen: 16.882 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 5988
Ion Ratio Lower Upper
43 100
55 28.1 20.5 30.7

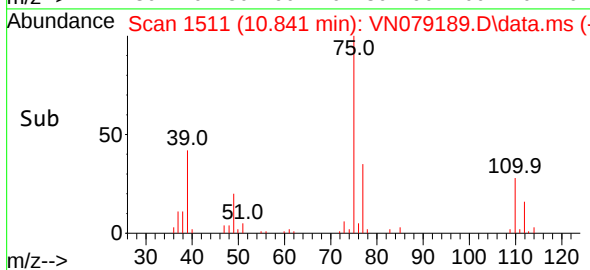
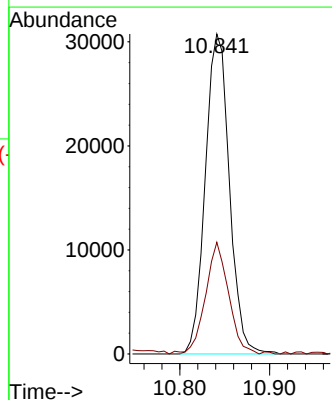
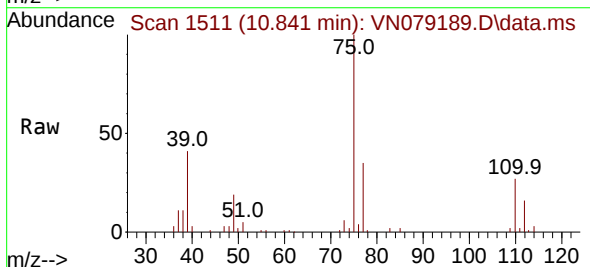
Manual Integrations
APPROVED

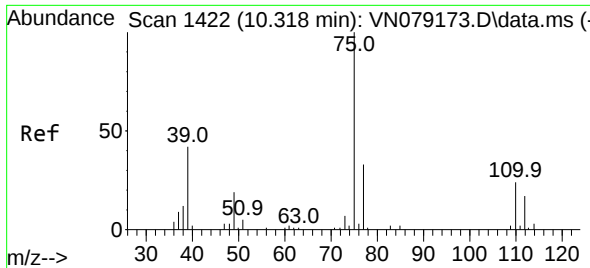
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#48
t-1,3-Dichloropropene
Concen: 16.747 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

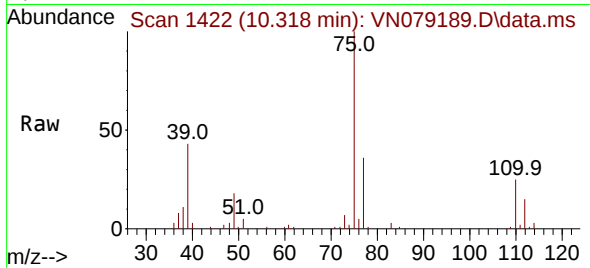
Tgt Ion: 75 Resp: 57297
Ion Ratio Lower Upper
75 100
77 34.9 22.9 34.3#





#49
 cis-1,3-Dichloropropene
 Concen: 17.591 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN079189.D
 Acq: 08 Sep 2023 11:11

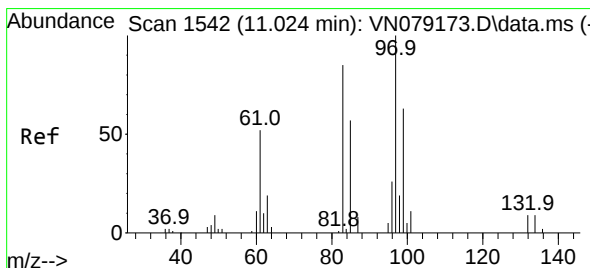
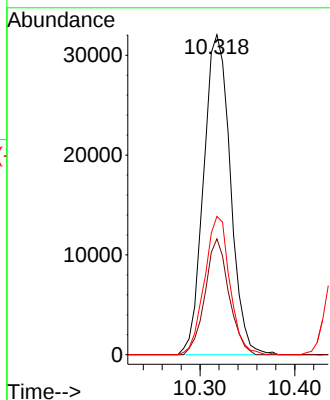
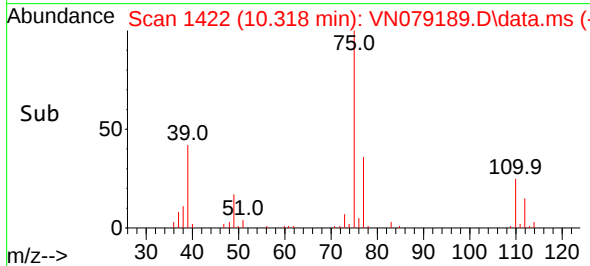
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 75 Resp: 62779
 Ion Ratio Lower Upper
 75 100
 77 36.2 26.2 39.2
 39 43.2 33.8 50.8

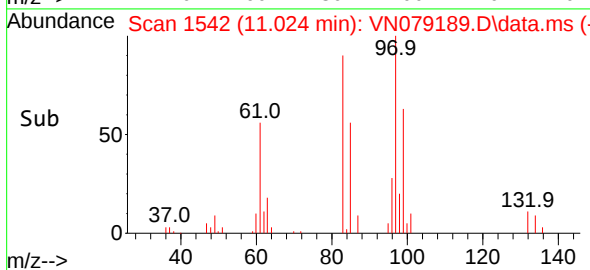
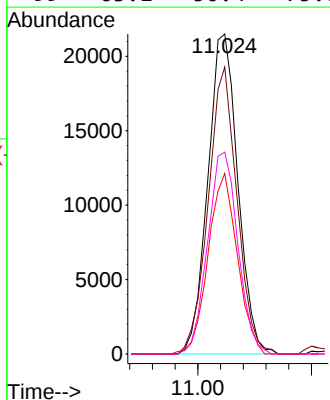
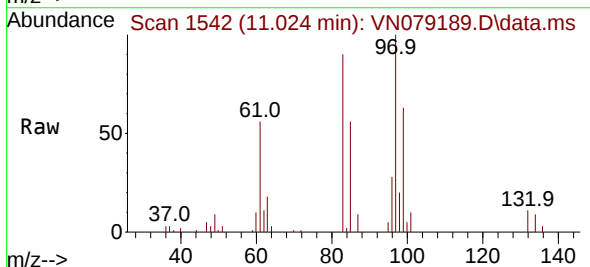
Manual Integrations
 APPROVED

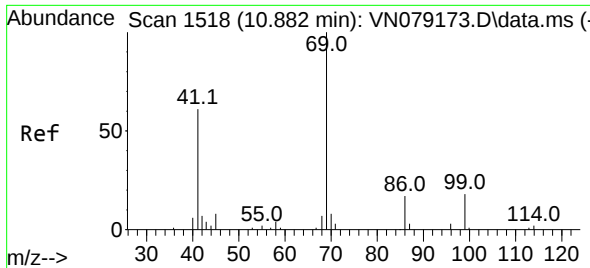
Reviewed By :John Carbone 09/09/2023
 Supervised By :Mahesh Dadoda 09/11/2023



#50
 1,1,2-Trichloroethane
 Concen: 17.703 ug/l
 RT: 11.024 min Scan# 1542
 Delta R.T. -0.000 min
 Lab File: VN079189.D
 Acq: 08 Sep 2023 11:11

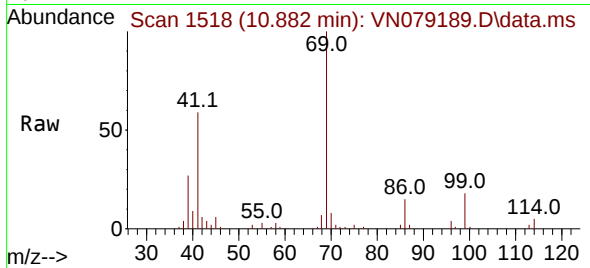
Tgt Ion: 97 Resp: 39400
 Ion Ratio Lower Upper
 97 100
 83 89.7 68.9 103.3
 85 56.4 45.3 67.9
 99 63.1 50.4 75.6





#51
Ethyl methacrylate
Concen: 16.663 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

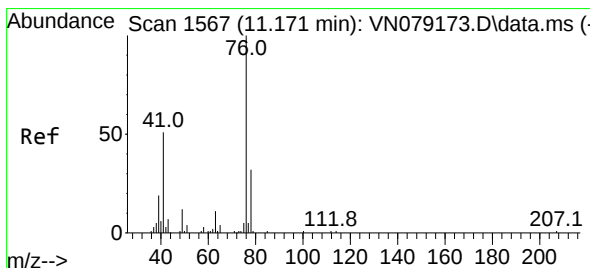
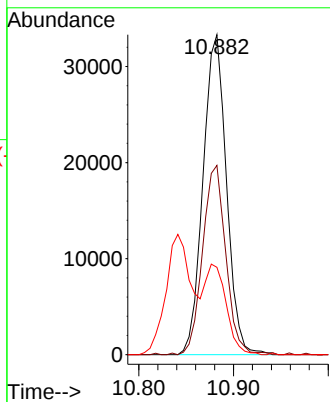
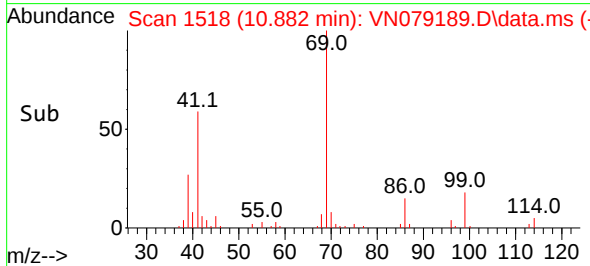
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



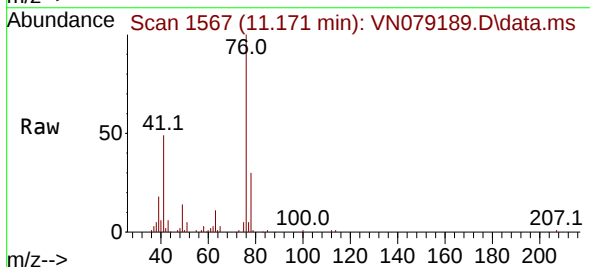
Tgt Ion: 69 Resp: 57274
Ion Ratio Lower Upper
69 100
41 59.1 30.3 90.9
39 27.3 13.4 40.1

Manual Integrations
APPROVED

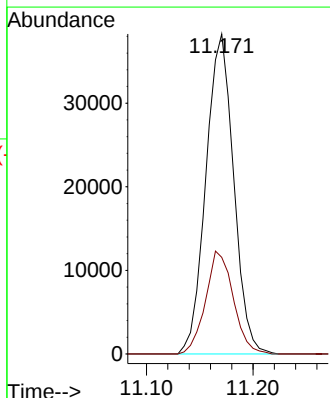
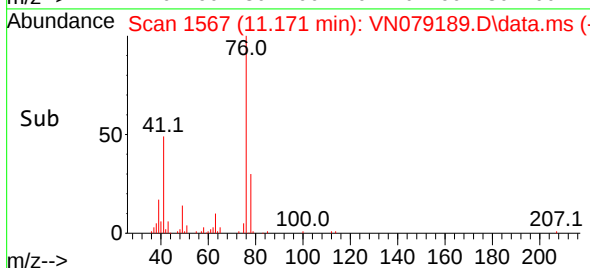
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023

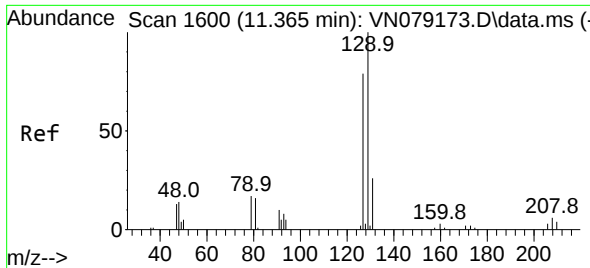


#52
1,3-Dichloropropane
Concen: 18.205 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11



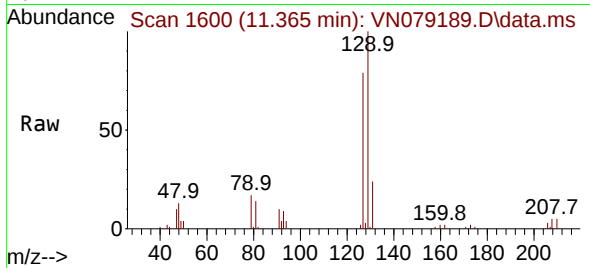
Tgt Ion: 76 Resp: 69172
Ion Ratio Lower Upper
76 100
78 32.1 0.0 64.2





#53
Dibromochloromethane
Concen: 17.809 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

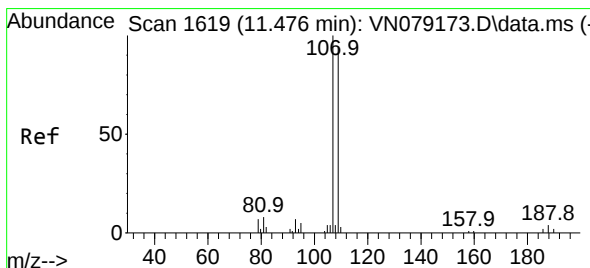
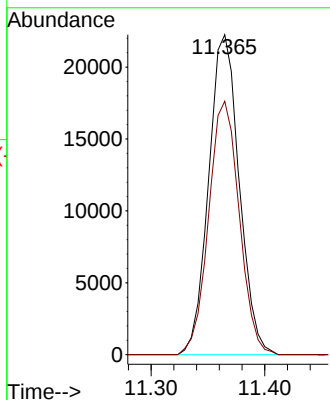
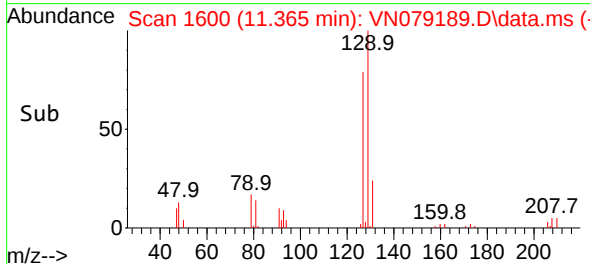
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



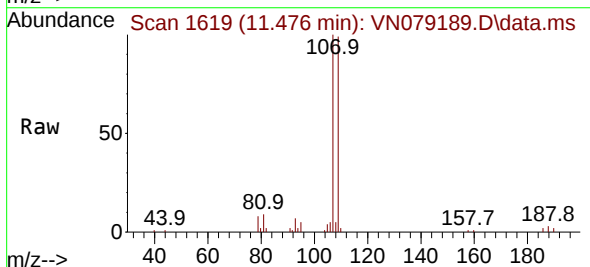
Tgt Ion:129 Resp: 41572
Ion Ratio Lower Upper
129 100
127 79.4 38.7 116.1

Manual Integrations
APPROVED

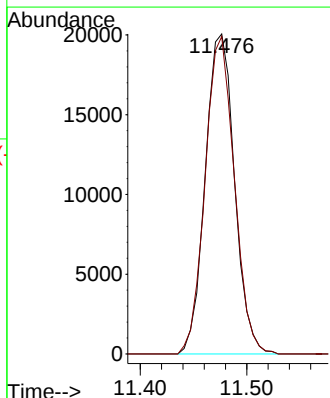
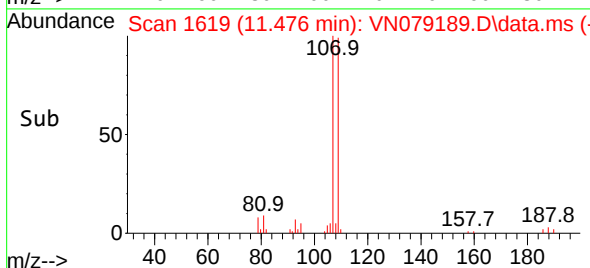
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023

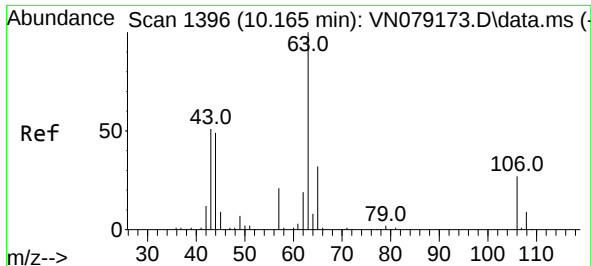


#54
1,2-Dibromoethane
Concen: 16.951 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11



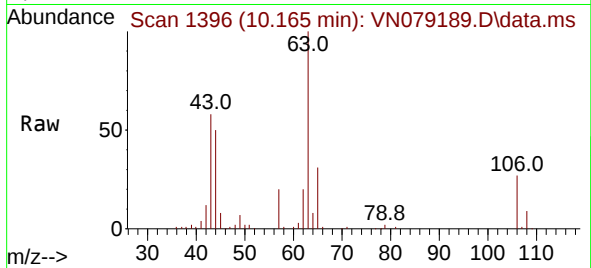
Tgt Ion:107 Resp: 38309
Ion Ratio Lower Upper
107 100
109 98.8 76.4 114.6





#55
2-Chloroethyl vinyl ether
Concen: 84.315 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

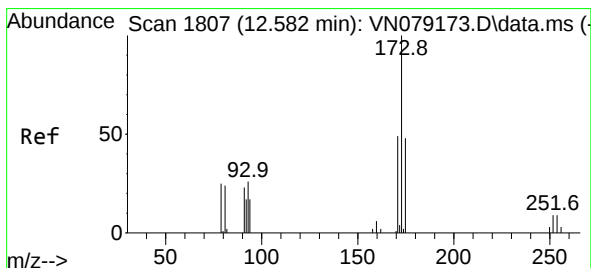
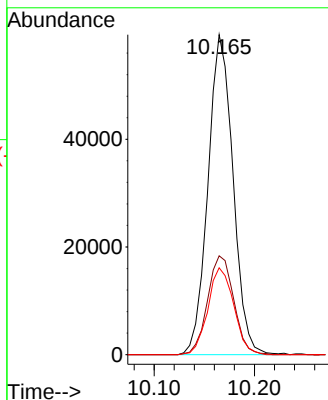
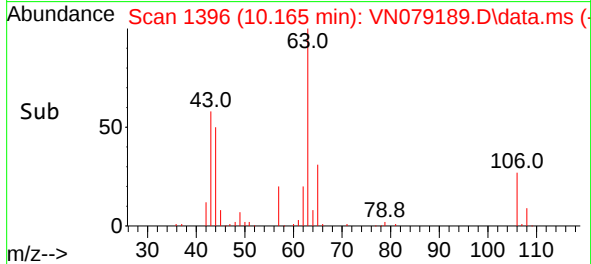
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 102975
Ion Ratio Lower Upper
63 100
65 32.2 25.7 38.5
106 28.0 21.9 32.9

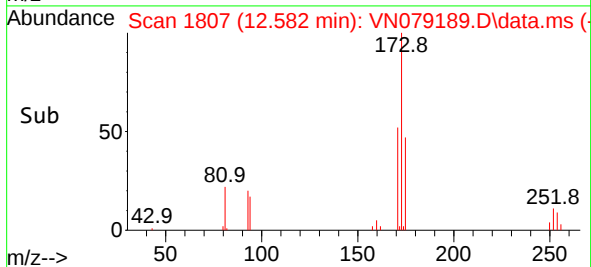
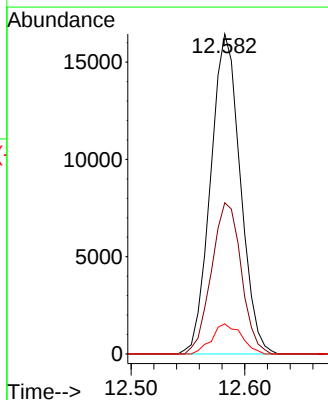
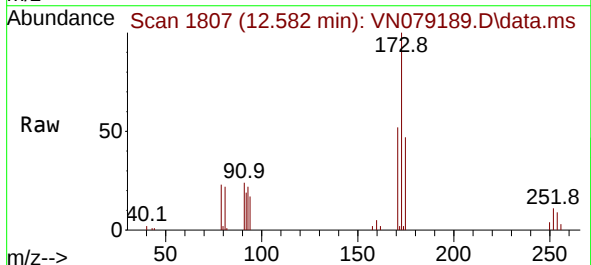
Manual Integrations
APPROVED

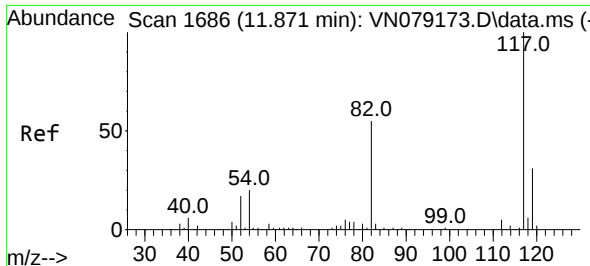
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#56
Bromoform
Concen: 18.362 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion:173 Resp: 29866
Ion Ratio Lower Upper
173 100
175 47.4 37.6 56.4
254 9.4 7.8 11.8





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

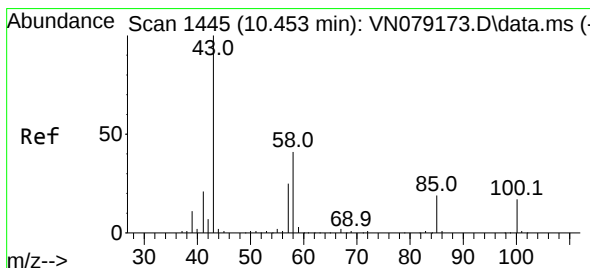
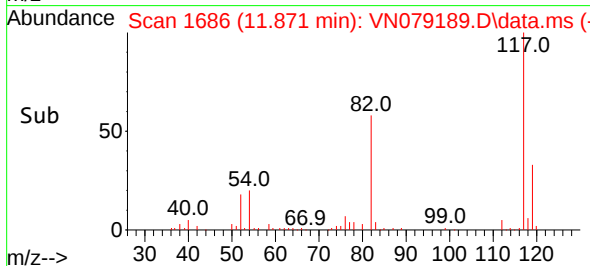
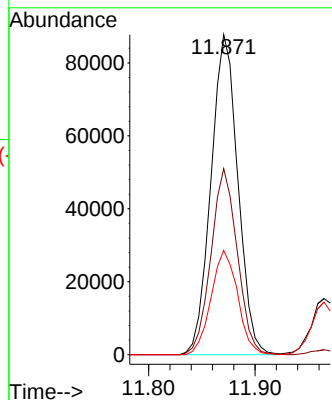
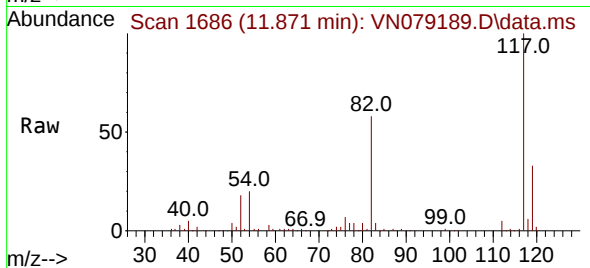
Tgt Ion:117 Resp: 154092
 Ion Ratio Lower Upper
 117 100
 82 56.8 44.7 67.1
 119 32.2 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/09/2023

Supervised By :Mahesh Dadoda 09/11/2023



#58

4-Methyl-2-Pentanone

Concen: 88.841 ug/l

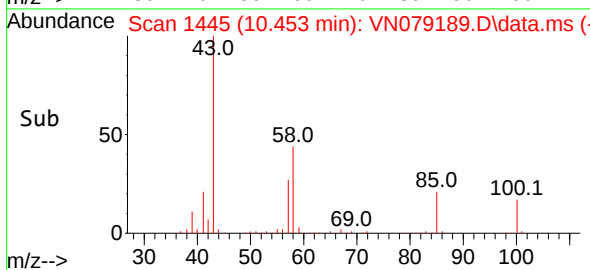
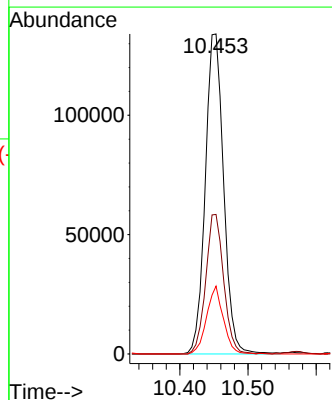
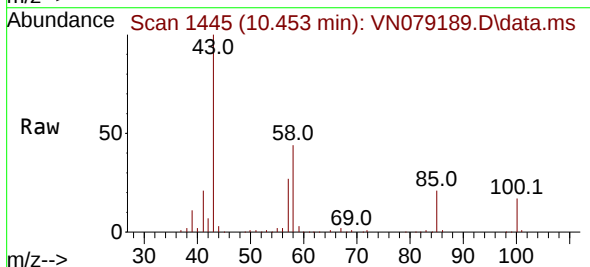
RT: 10.453 min Scan# 1445

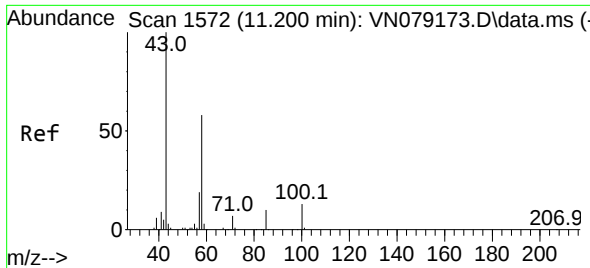
Delta R.T. 0.000 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

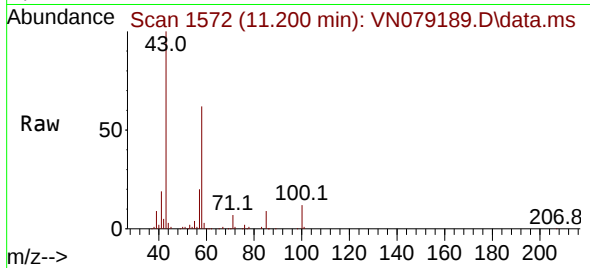
Tgt Ion: 43 Resp: 251213
 Ion Ratio Lower Upper
 43 100
 58 42.7 33.6 50.4
 85 19.3 15.0 22.4





#59
2-Hexanone
Concen: 88.556 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

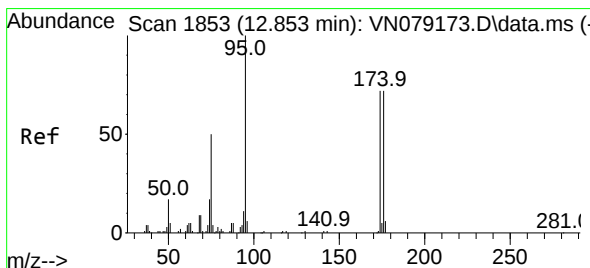
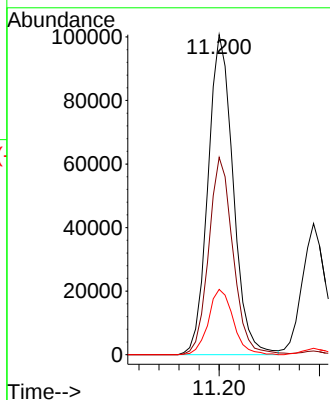
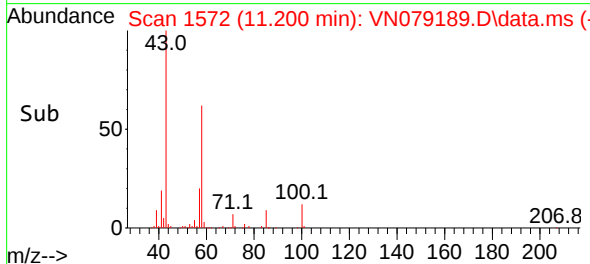
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 175860
Ion Ratio Lower Upper
43 100
58 59.7 46.4 69.6
57 20.1 15.3 22.9

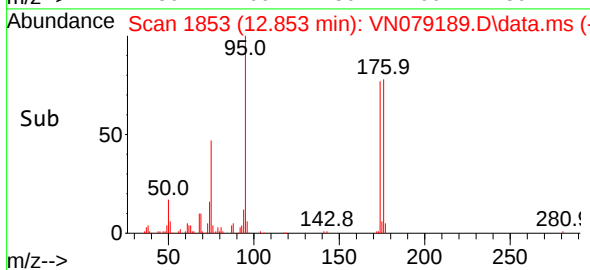
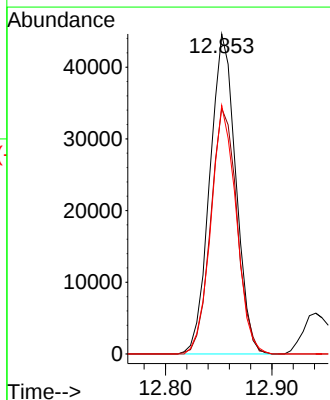
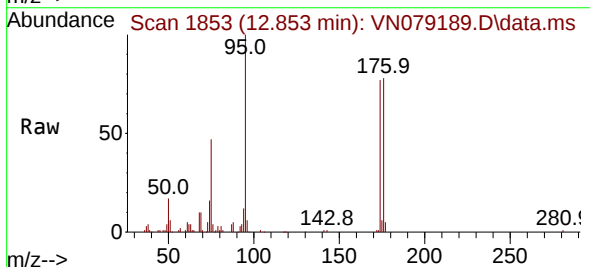
Manual Integrations
APPROVED

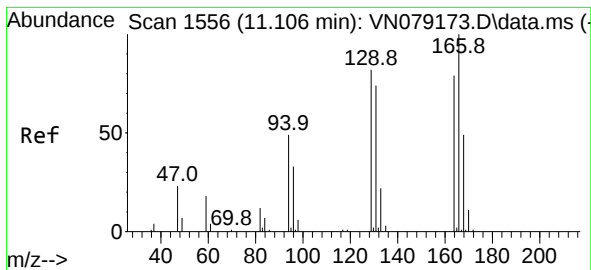
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#60
4-Bromofluorobenzene
Concen: 33.229 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

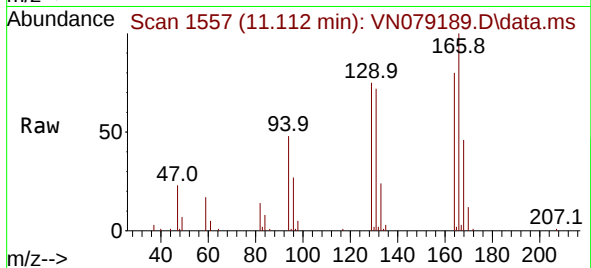
Tgt Ion: 95 Resp: 75445
Ion Ratio Lower Upper
95 100
174 77.5 59.5 89.3
176 75.5 59.1 88.7





#61
Tetrachloroethene
Concen: 19.181 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

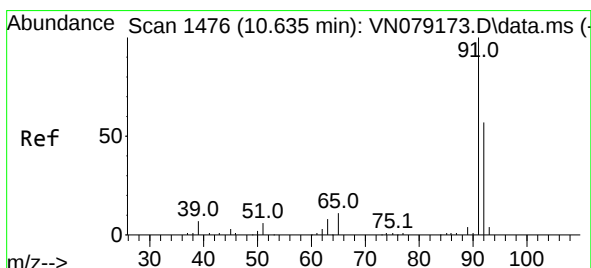
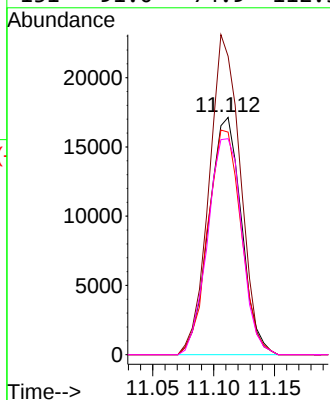
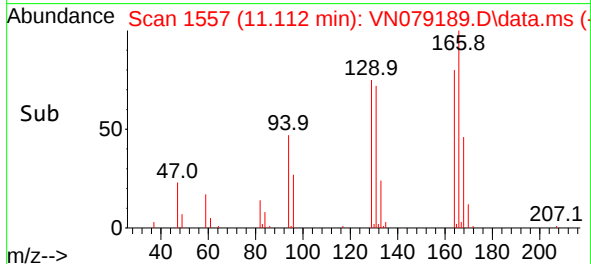
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:164 Resp: 32160
Ion Ratio Lower Upper
164 100
166 125.7 101.9 152.9
129 93.8 83.4 125.0
131 91.0 74.9 112.3

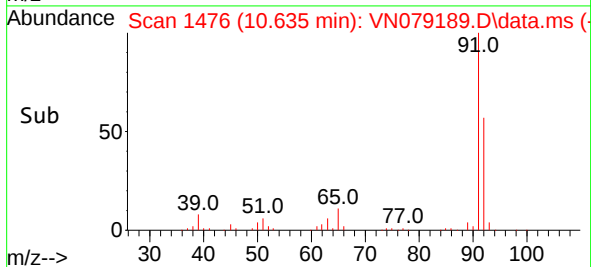
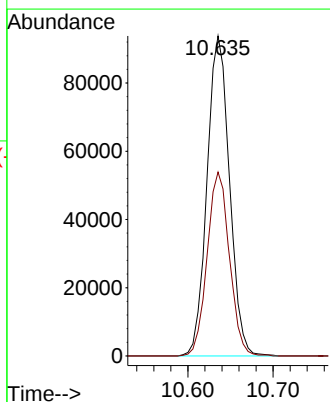
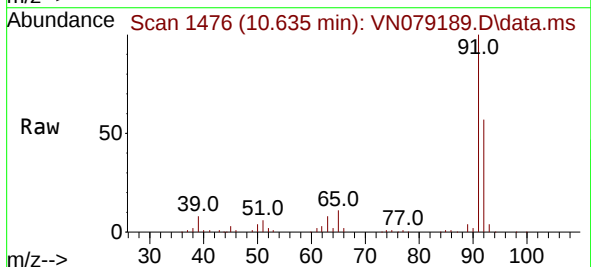
Manual Integrations
APPROVED

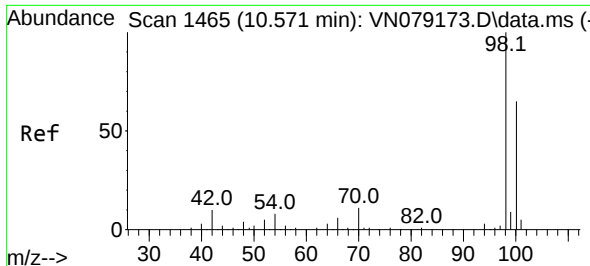
Reviewed By :John Carbone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#62
Toluene
Concen: 19.138 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

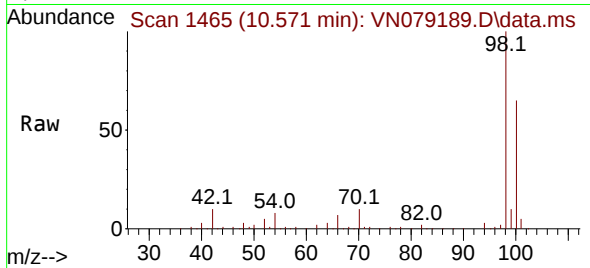
Tgt Ion: 91 Resp: 171702
Ion Ratio Lower Upper
91 100
92 56.9 45.7 68.5





#63
Toluene-d8
Concen: 30.306 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

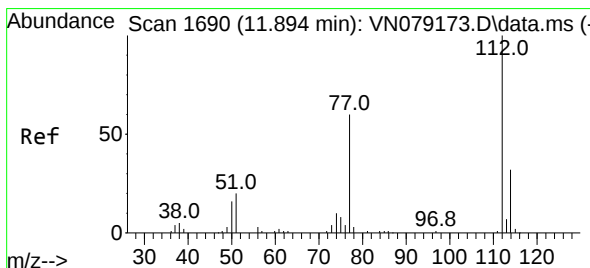
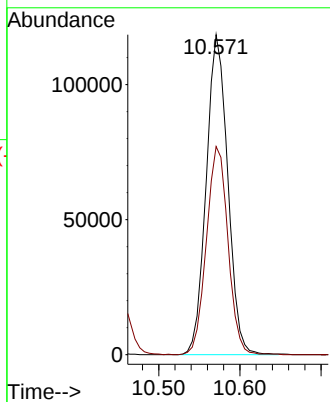
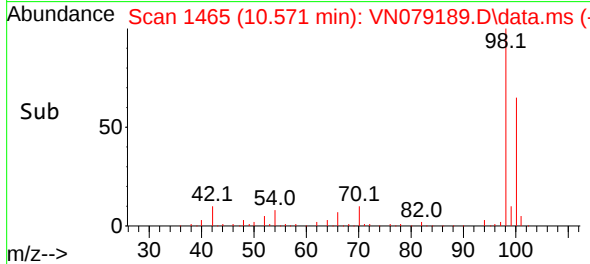
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 98 Resp: 21824
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7

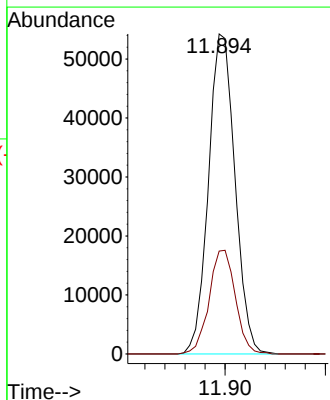
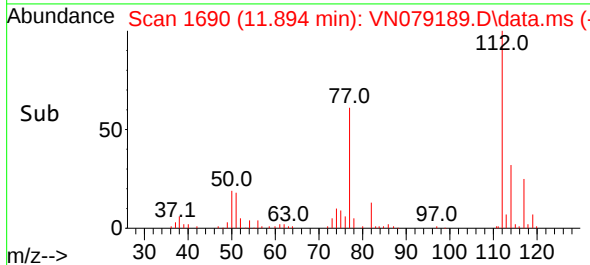
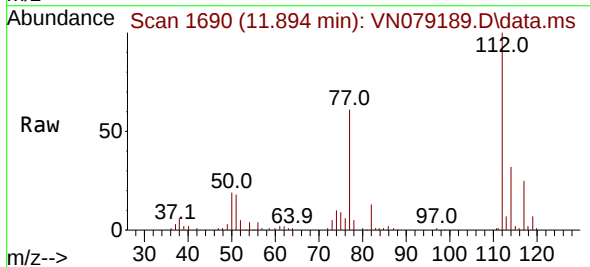
Manual Integrations
APPROVED

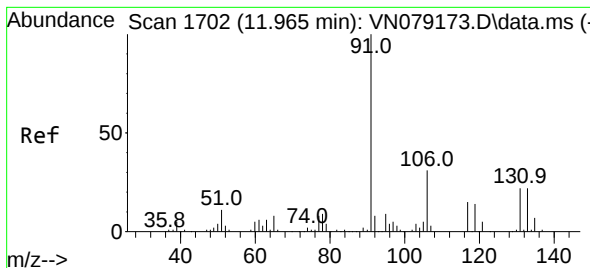
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#64
Chlorobenzene
Concen: 19.009 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

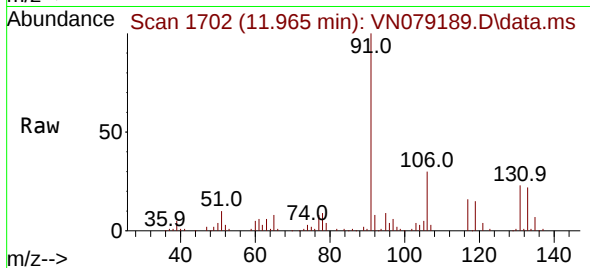
Tgt Ion:112 Resp: 99497
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4





#65
1,1,1,2-Tetrachloroethane
Concen: 19.796 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

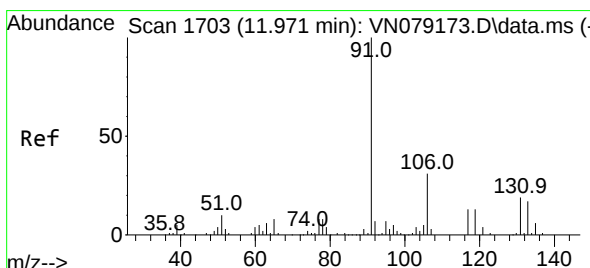
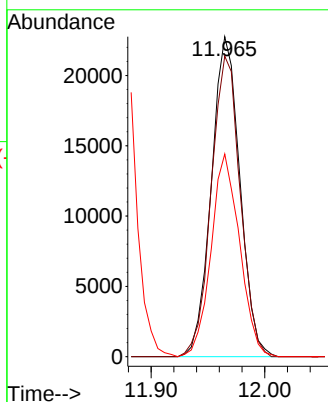
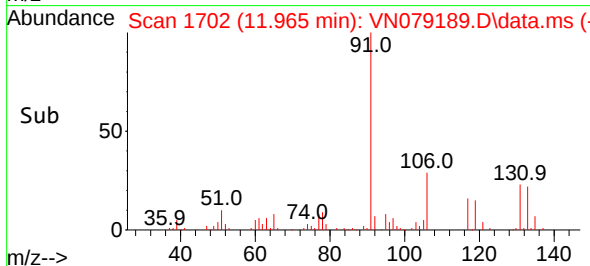
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



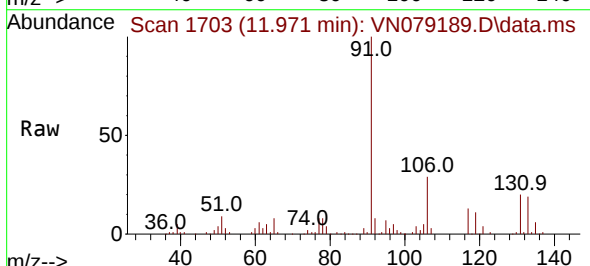
Tgt Ion:131 Resp: 39669
Ion Ratio Lower Upper
131 100
133 95.4 0.0 193.0
119 63.4 0.0 131.2

Manual Integrations
APPROVED

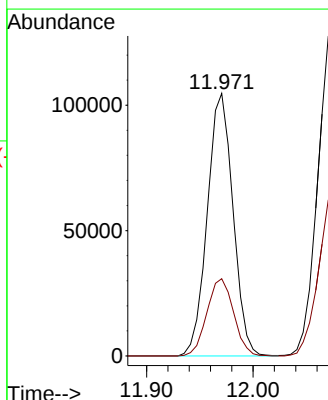
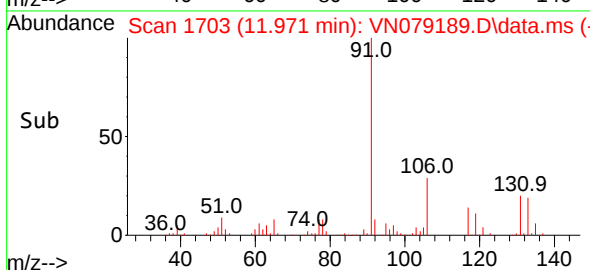
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023

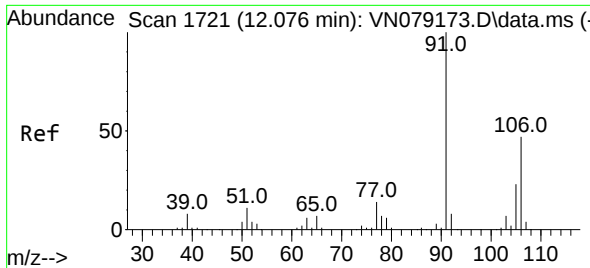


#66
Ethyl Benzene
Concen: 19.438 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11



Tgt Ion: 91 Resp: 175593
Ion Ratio Lower Upper
91 100
106 29.5 25.0 37.6





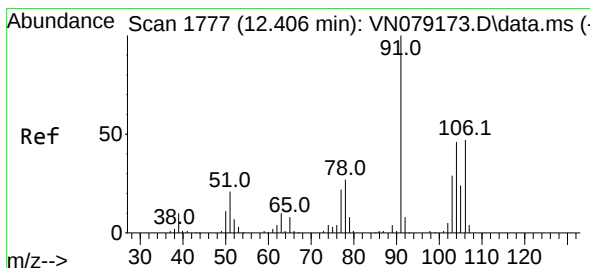
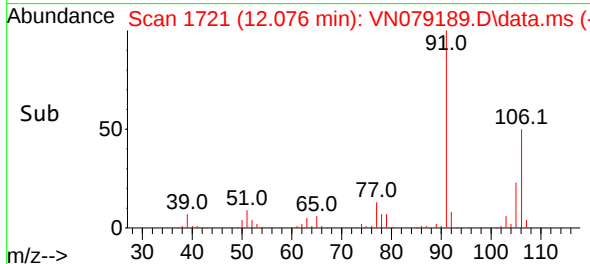
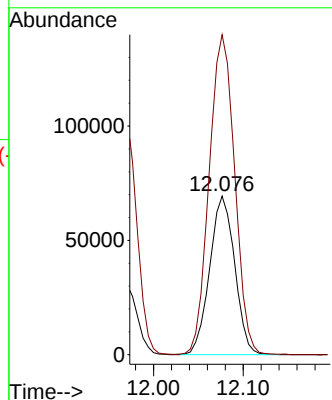
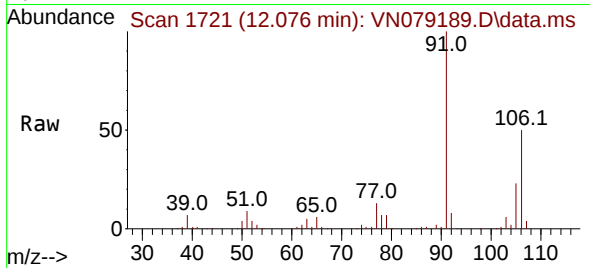
#67
m/p-Xylenes
Concen: 39.537 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 134390
Ion Ratio Lower Upper
106 100
91 205.9 165.2 247.8

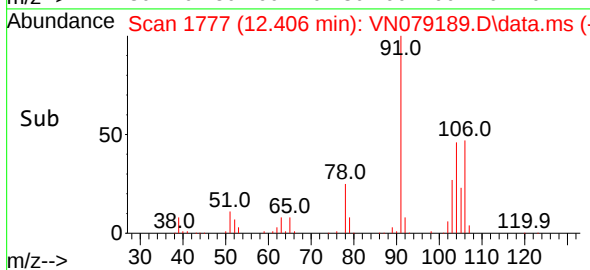
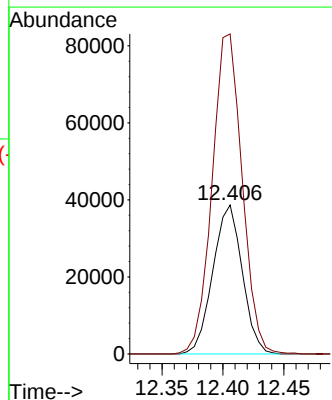
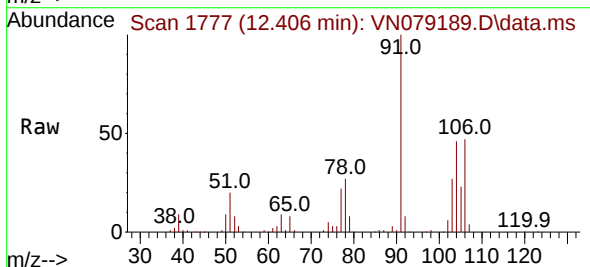
Manual Integrations
APPROVED

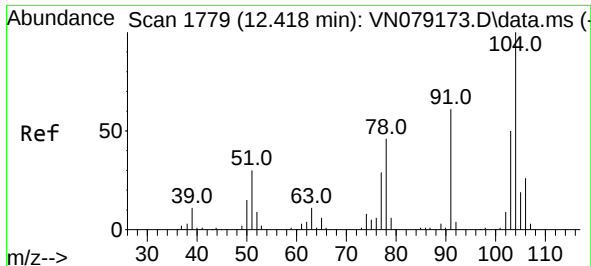
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#68
o-Xylene
Concen: 19.820 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion:106 Resp: 64973
Ion Ratio Lower Upper
106 100
91 219.2 109.7 329.1





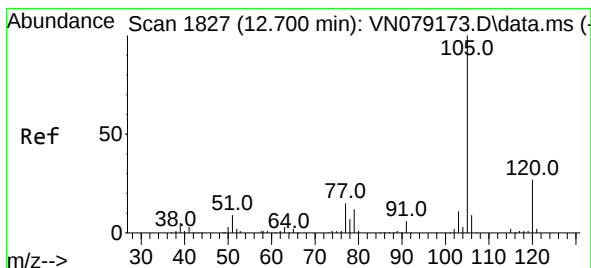
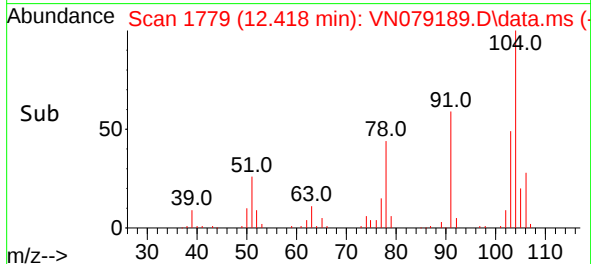
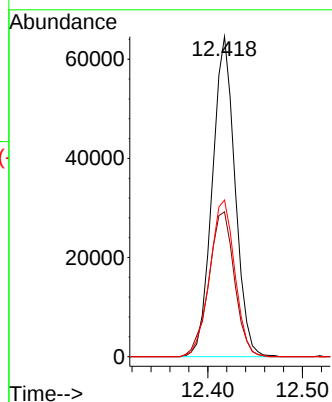
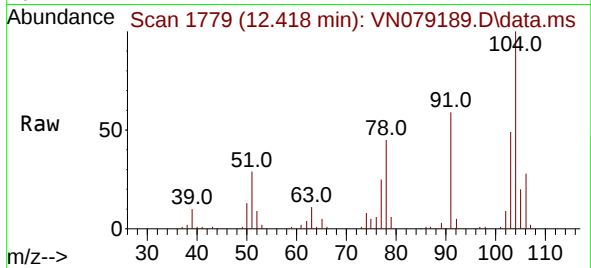
#69
Styrene
Concen: 20.600 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 107708
Ion Ratio Lower Upper
104 100
78 50.9 40.5 60.7
103 53.9 43.3 64.9

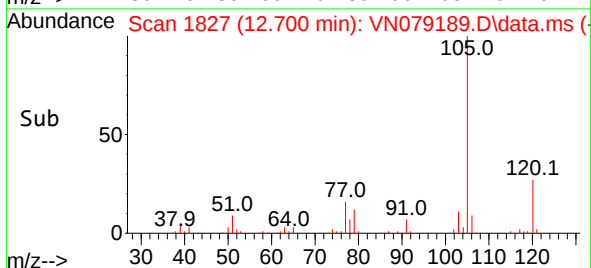
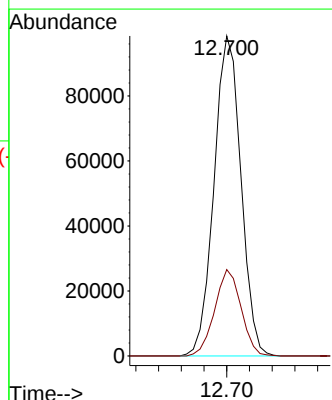
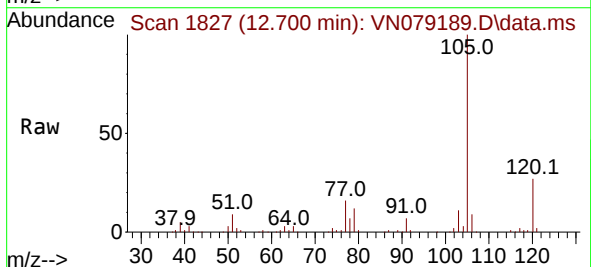
Manual Integrations
APPROVED

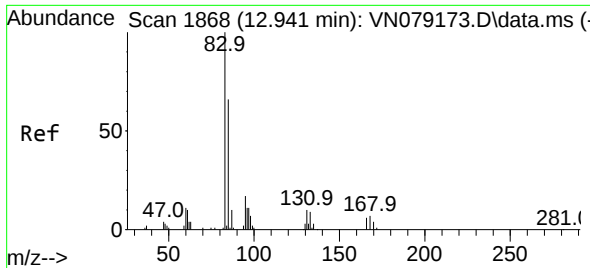
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#70
Isopropylbenzene
Concen: 19.436 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

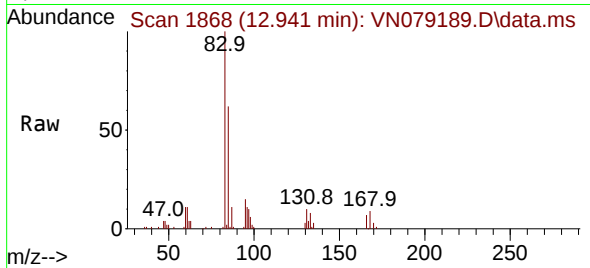
Tgt Ion:105 Resp: 161953
Ion Ratio Lower Upper
105 100
120 26.4 18.5 34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 20.261 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

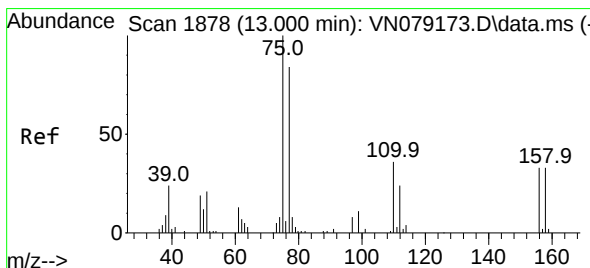
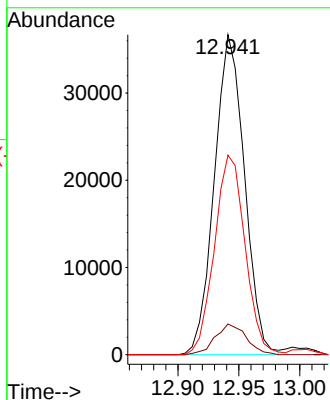
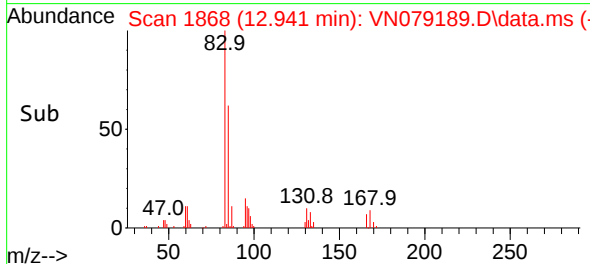
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



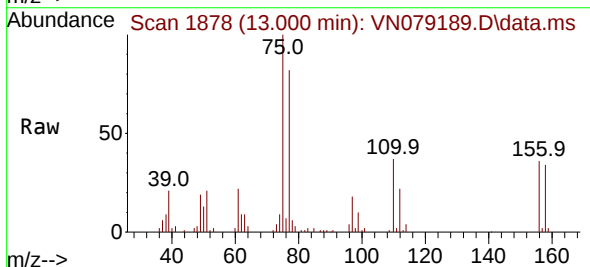
Tgt Ion: 83 Resp: 6315
Ion Ratio Lower Upper
83 100
131 9.9 4.9 14.6
85 63.4 33.1 99.3

Manual Integrations
APPROVED

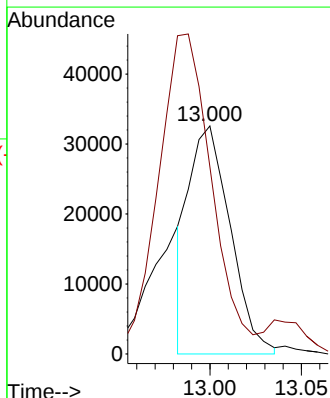
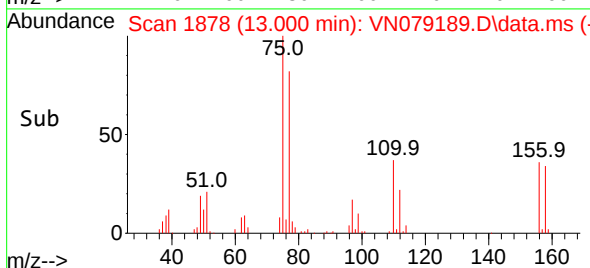
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023

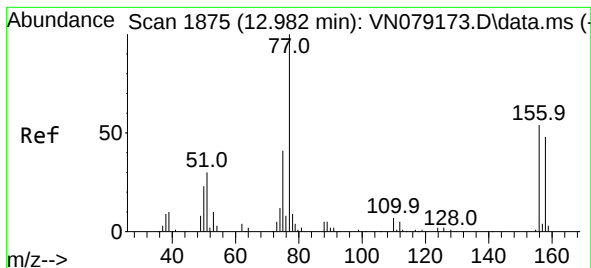


#72
1,2,3-Trichloropropane
Concen: 19.507 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11



Tgt Ion: 75 Resp: 51161
Ion Ratio Lower Upper
75 100
77 180.8 0.0 252.2





#73

Bromobenzene

Concen: 20.090 ug/l

RT: 12.988 min Scan# 1876

Delta R.T. 0.006 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

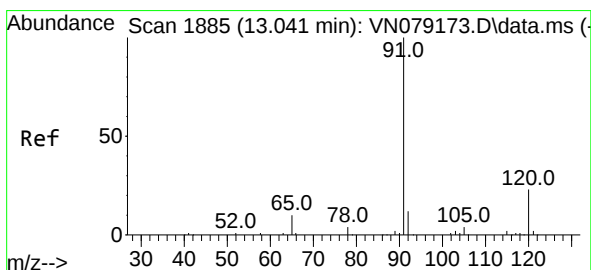
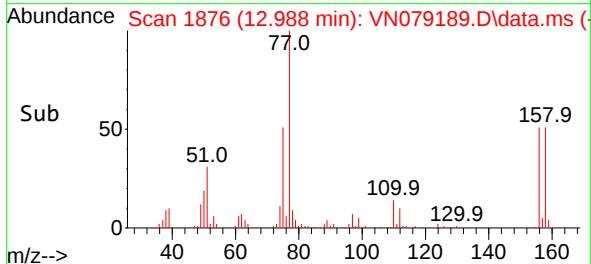
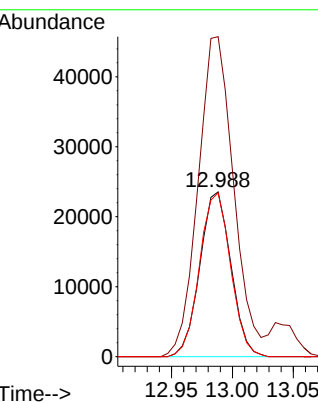
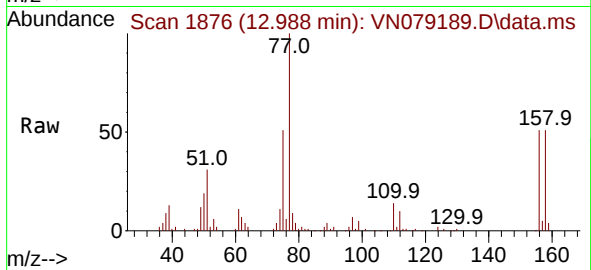
Tgt Ion:	156	Resp:	41810
Ion Ratio	Lower	Upper	
156	100		
77	221.2	0.0	446.6
158	99.4	0.0	188.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/09/2023

Supervised By :Mahesh Dadoda 09/11/2023



#74

n-propylbenzene

Concen: 20.541 ug/l

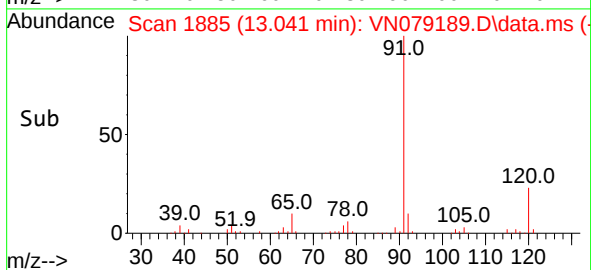
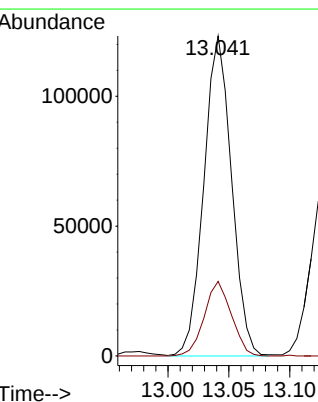
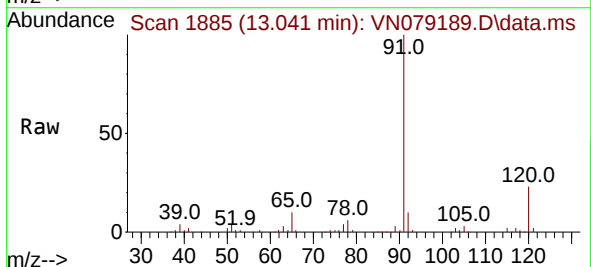
RT: 13.041 min Scan# 1885

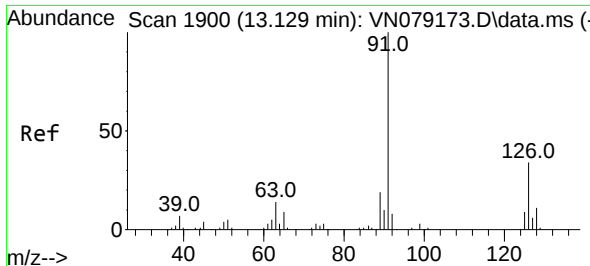
Delta R.T. 0.000 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

Tgt Ion:	91	Resp:	195009
Ion Ratio	Lower	Upper	
91	100		
120	22.7	0.0	44.0





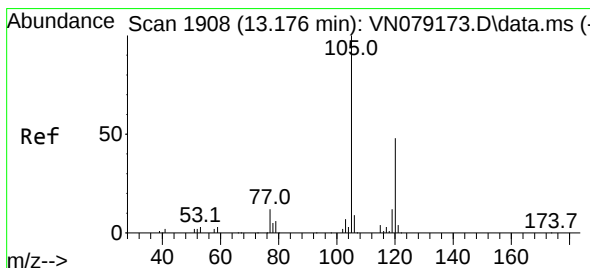
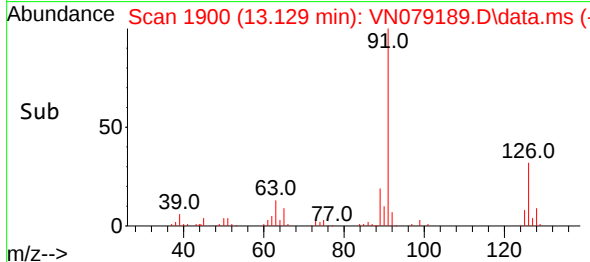
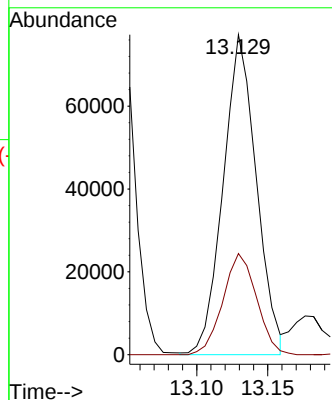
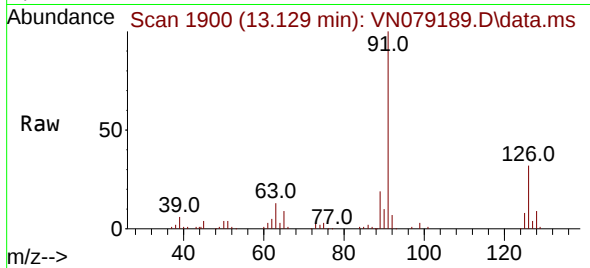
#75
2-Chlorotoluene
Concen: 20.607 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 125440
Ion Ratio Lower Upper
91 100
126 32.1 0.0 65.4

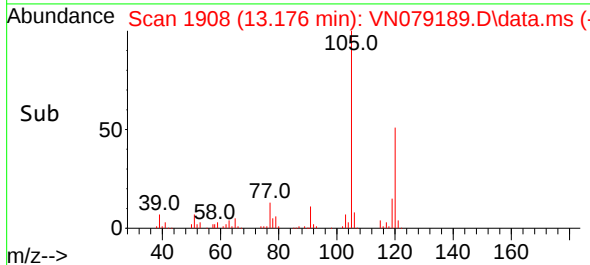
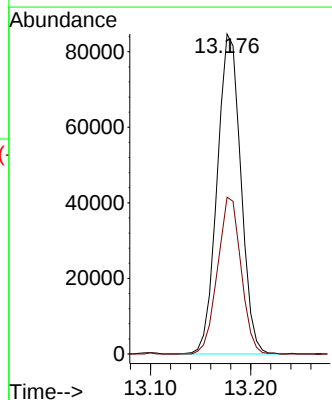
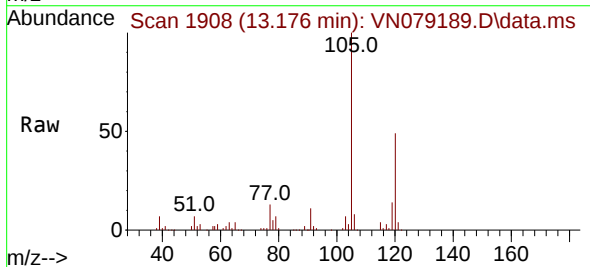
Manual Integrations
APPROVED

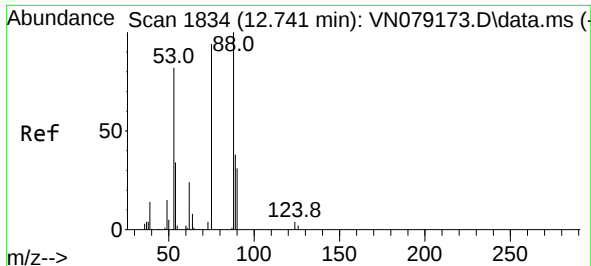
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#76
1,3,5-Trimethylbenzene
Concen: 20.129 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

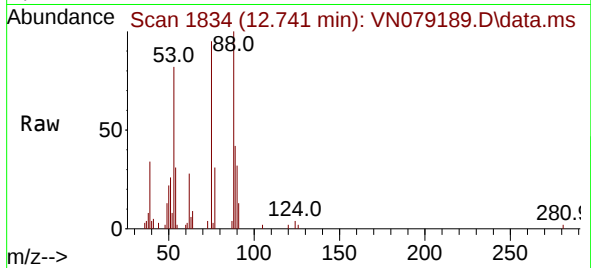
Tgt Ion:105 Resp: 138682
Ion Ratio Lower Upper
105 100
120 48.6 0.0 95.6





#77
t-1,4-Dichloro-2-butene
Concen: 18.619 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

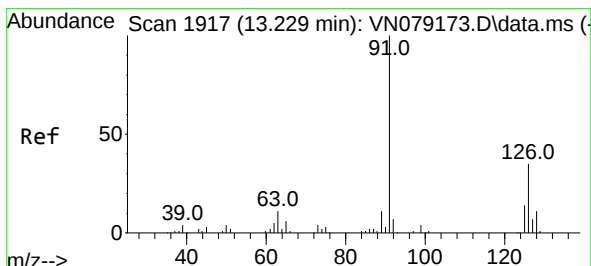
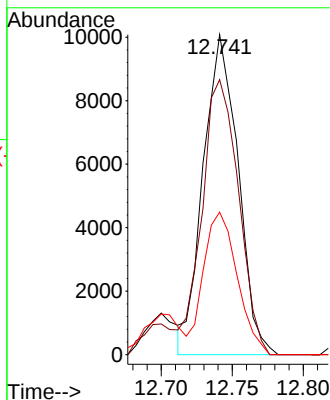
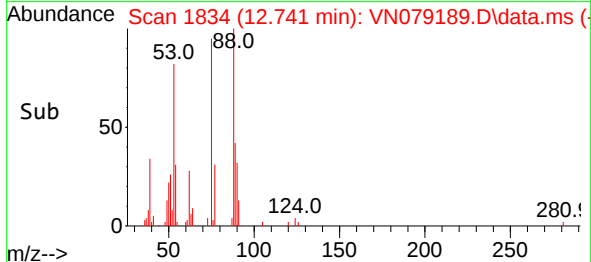
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 17192
Ion Ratio Lower Upper
75 100
53 86.0 44.1 132.4
89 44.6 22.4 67.3

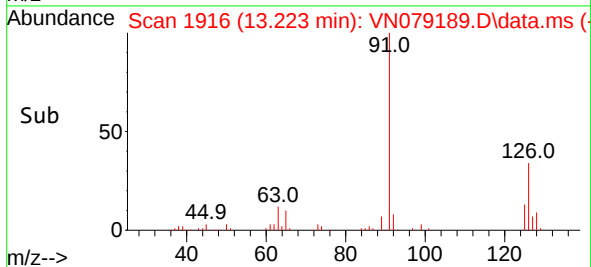
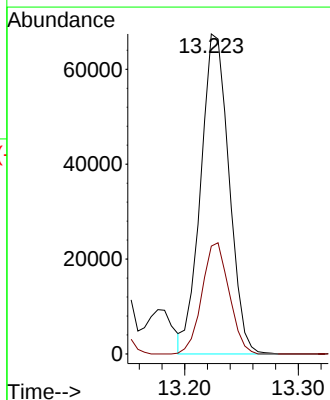
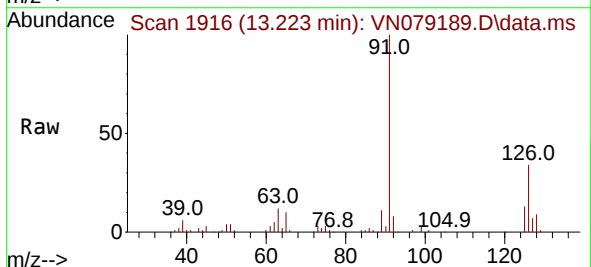
Manual Integrations
APPROVED

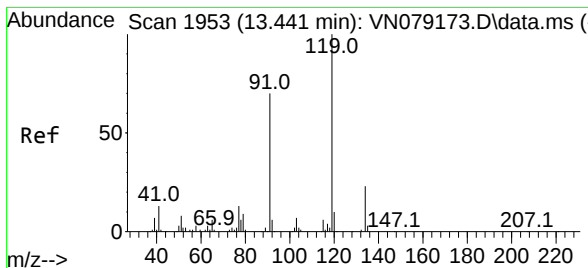
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#78
4-Chlorotoluene
Concen: 20.346 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion: 91 Resp: 116951
Ion Ratio Lower Upper
91 100
126 33.3 0.0 66.6





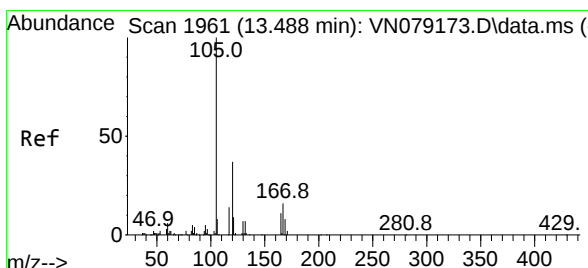
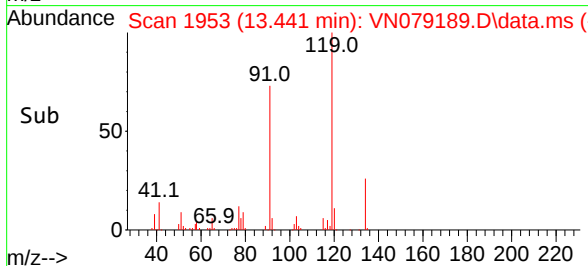
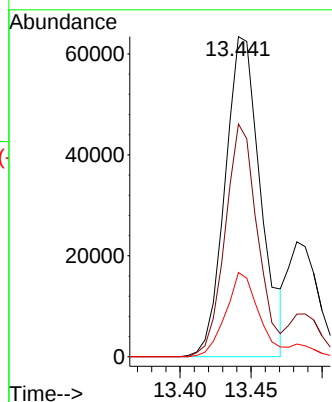
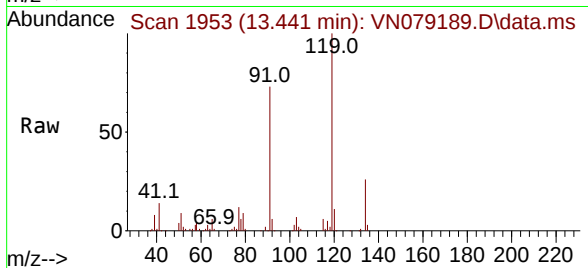
#79
tert-butylbenzene
Concen: 19.527 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 110428
Ion Ratio Lower Upper
119 100
91 66.6 0.0 130.8
134 24.9 0.0 48.8

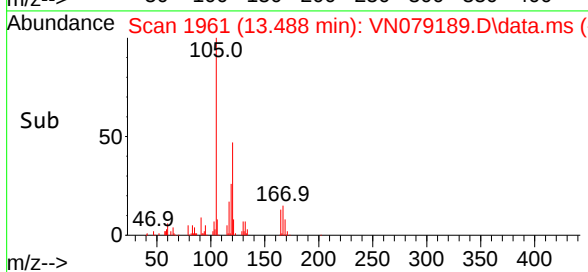
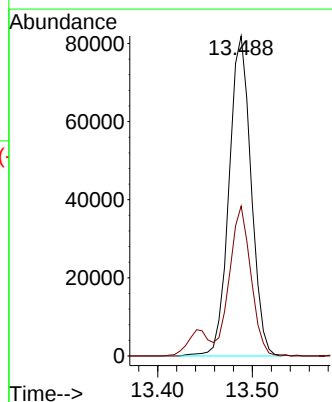
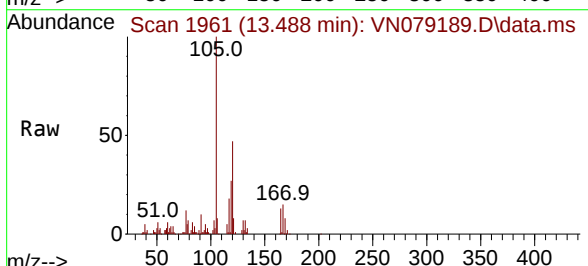
Manual Integrations
APPROVED

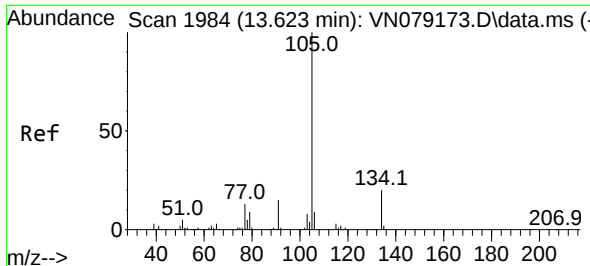
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#80
1,2,4-Trimethylbenzene
Concen: 20.124 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

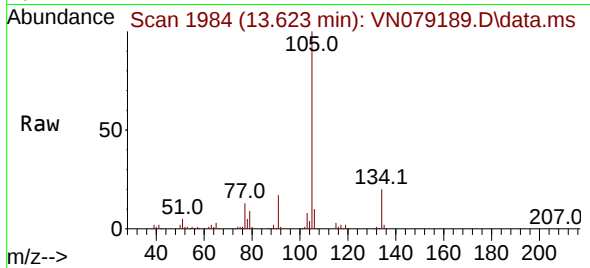
Tgt Ion:105 Resp: 132405
Ion Ratio Lower Upper
105 100
120 45.2 0.0 90.0





#81
 sec-Butylbenzene
 Concen: 19.343 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN079189.D
 Acq: 08 Sep 2023 11:11

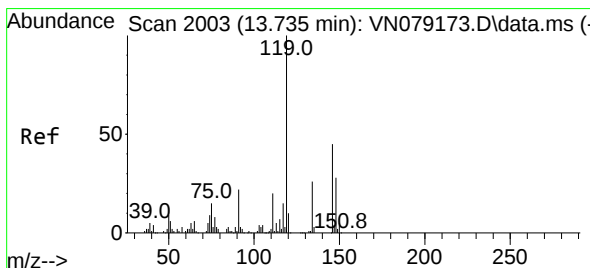
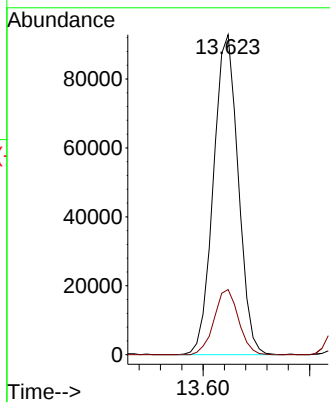
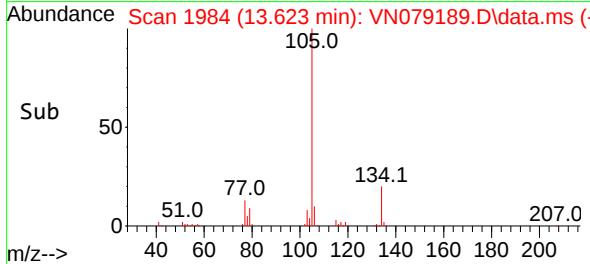
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



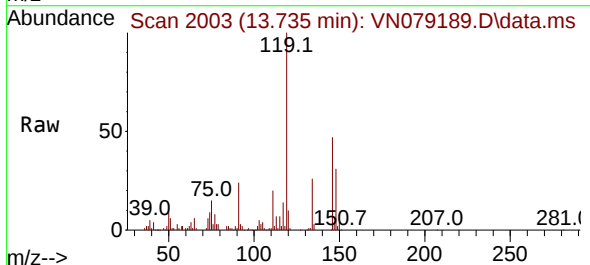
Tgt Ion:105 Resp: 149670
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 38.6

Manual Integrations
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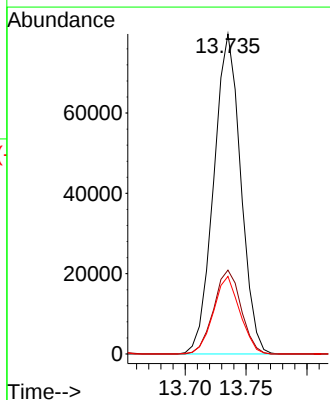
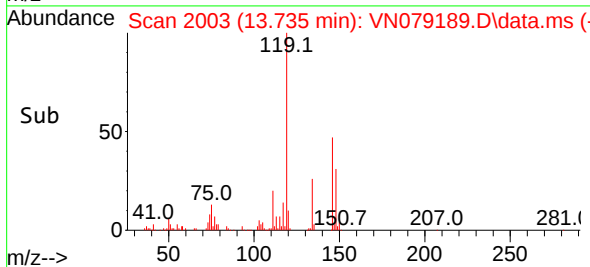
Reviewed By :John Carlone 09/09/2023
 Supervised By :Mahesh Dadoda 09/11/2023

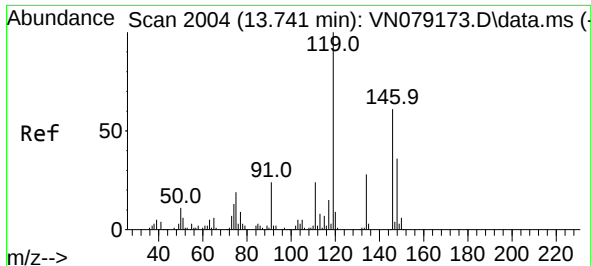


#82
 p-Isopropyltoluene
 Concen: 20.128 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN079189.D
 Acq: 08 Sep 2023 11:11



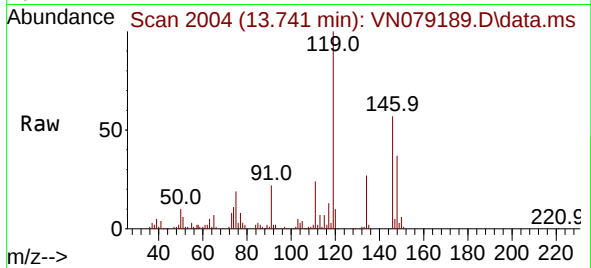
Tgt Ion:119 Resp: 123016
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 53.8
 91 23.8 0.0 48.0





#83
 1,3-Dichlorobenzene
 Concen: 19.745 ug/l
 RT: 13.741 min Scan# 2004
 Delta R.T. 0.000 min
 Lab File: VN079189.D
 Acq: 08 Sep 2023 11:11

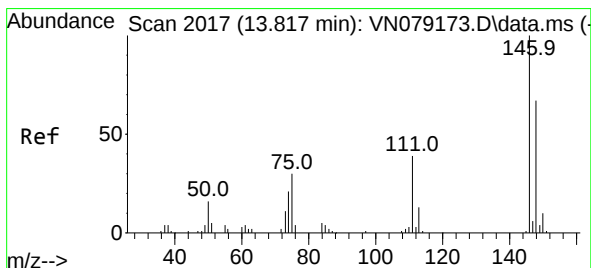
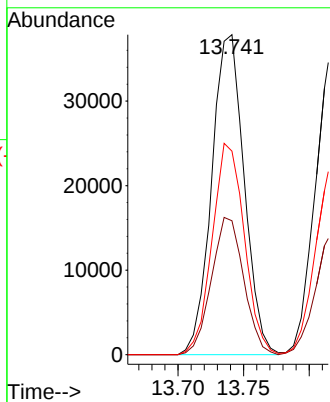
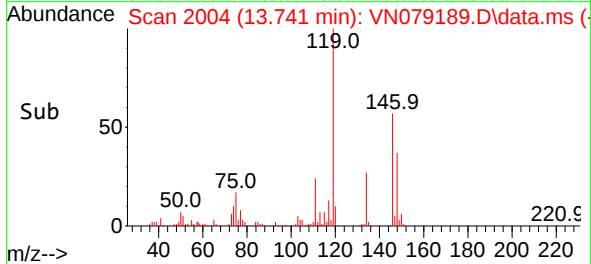
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



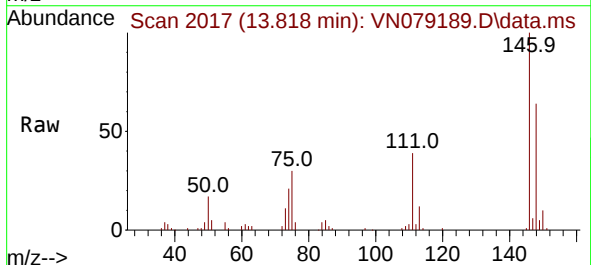
Tgt Ion:146 Resp: 65268
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.5 61.5
 148 65.4 31.8 95.3

Manual Integrations
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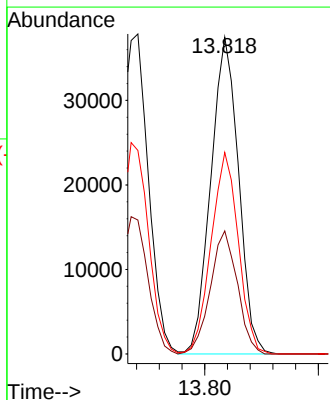
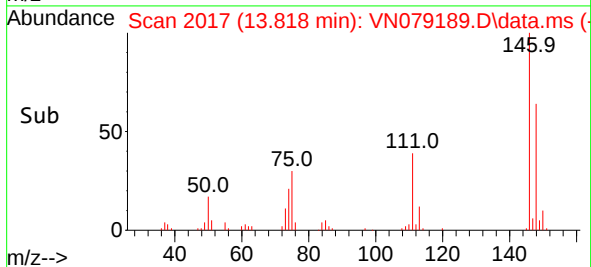
Reviewed By :John Carbone 09/09/2023
 Supervised By :Mahesh Dadoda 09/11/2023

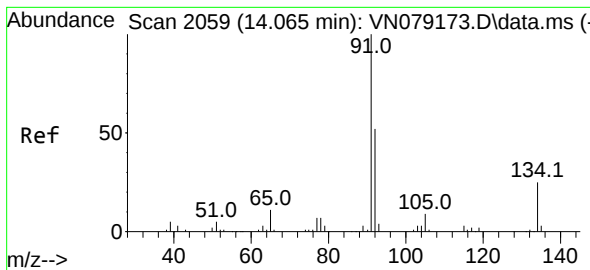


#84
 1,4-Dichlorobenzene
 Concen: 20.500 ug/l
 RT: 13.818 min Scan# 2017
 Delta R.T. 0.001 min
 Lab File: VN079189.D
 Acq: 08 Sep 2023 11:11



Tgt Ion:146 Resp: 63552
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.5 58.5
 148 62.5 32.1 96.5





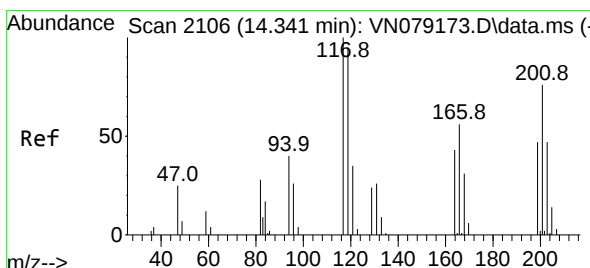
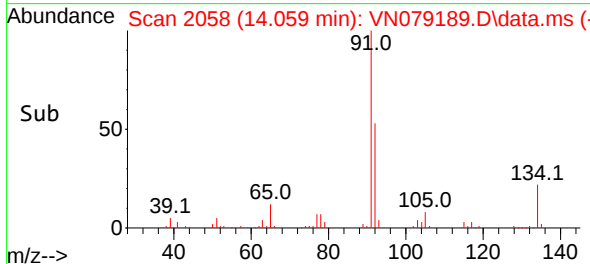
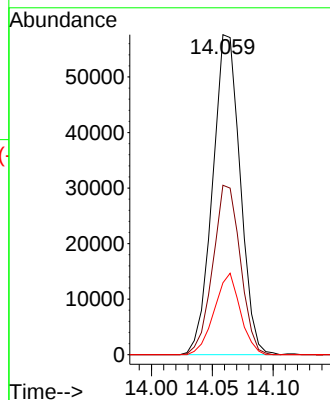
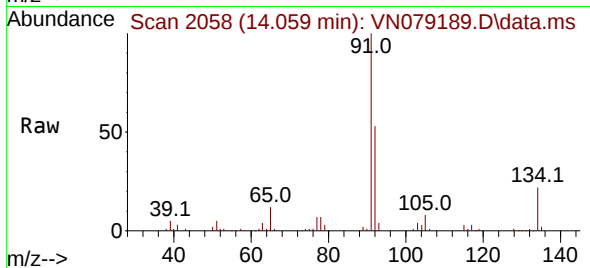
#85
n-Butylbenzene
Concen: 19.486 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 90708
Ion Ratio Lower Upper
91 100
92 52.8 0.0 105.0
134 24.0 0.0 49.6

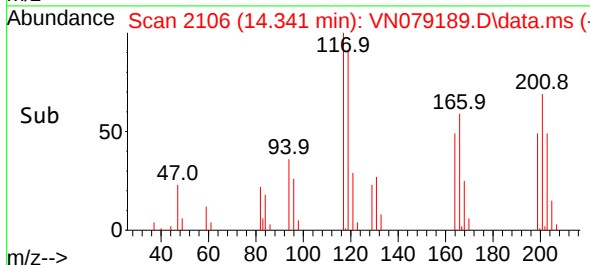
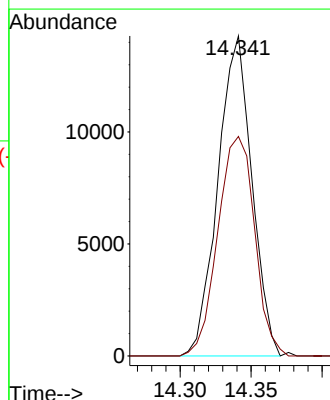
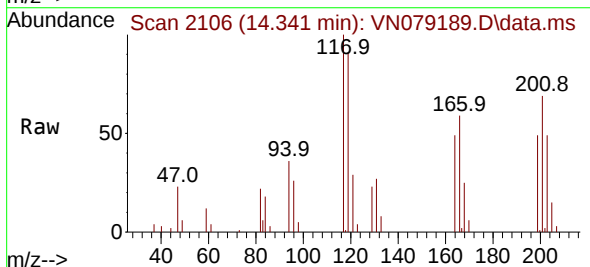
Manual Integrations
APPROVED

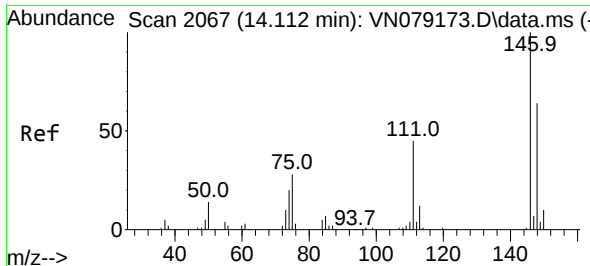
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#86
Hexachloroethane
Concen: 19.624 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

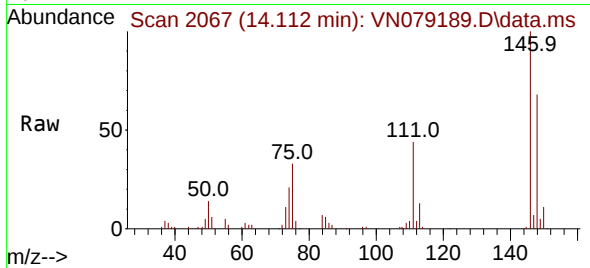
Tgt Ion:117 Resp: 23747
Ion Ratio Lower Upper
117 100
201 74.4 37.2 111.6





#87
1,2-Dichlorobenzene
Concen: 19.906 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

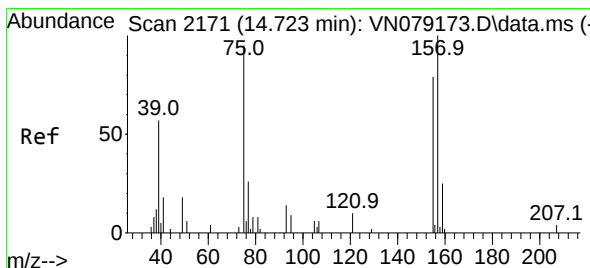
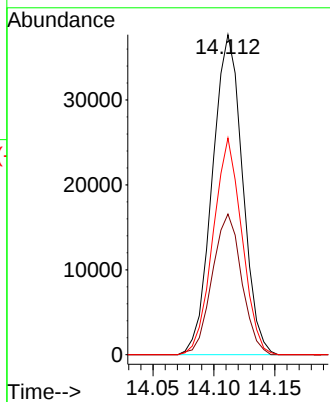
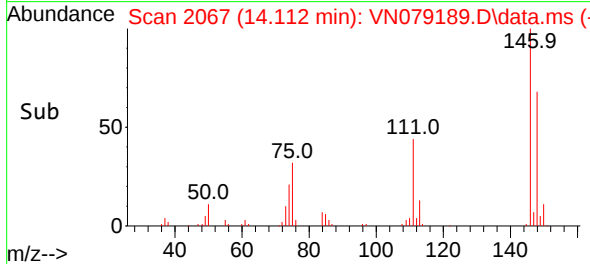
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



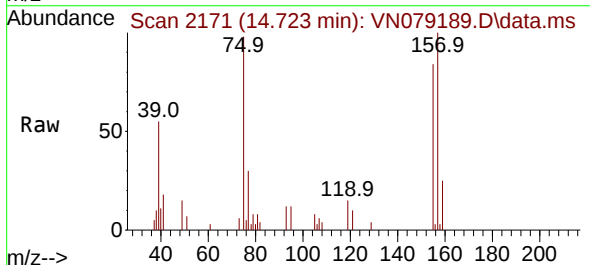
Tgt Ion:146 Resp: 64934
Ion Ratio Lower Upper
146 100
111 43.0 21.5 64.5
148 64.8 31.8 95.3

Manual Integrations
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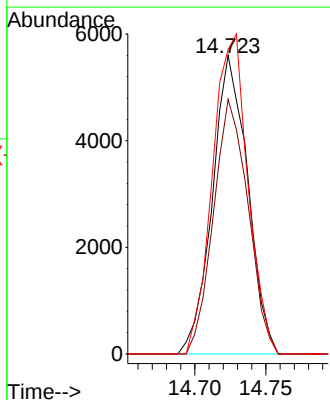
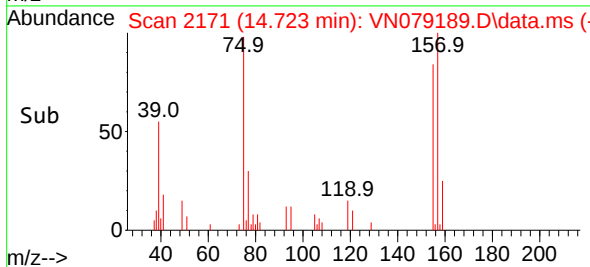
Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023

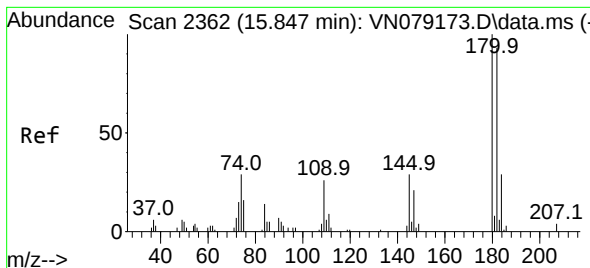


#88
1,2-Dibromo-3-Chloropropane
Concen: 18.329 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11



Tgt Ion: 75 Resp: 9657
Ion Ratio Lower Upper
75 100
155 83.5 68.1 102.1
157 107.4 83.9 125.9





#89

1,2,4-Trichlorobenzene

Concen: 17.242 ug/l

RT: 15.841 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

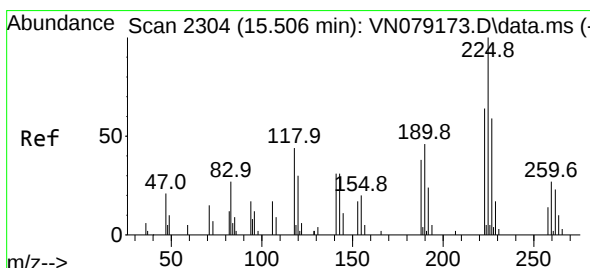
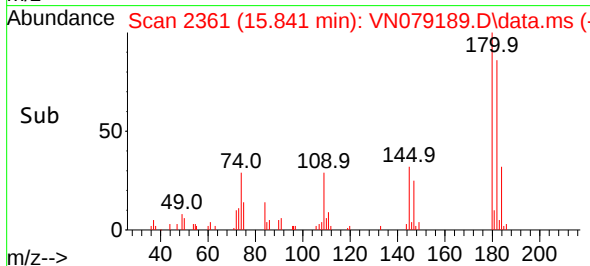
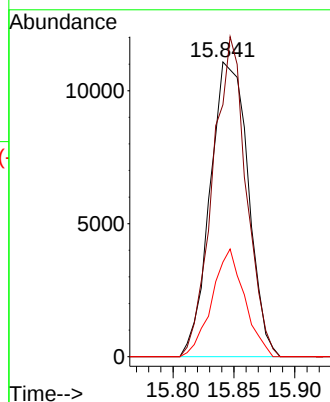
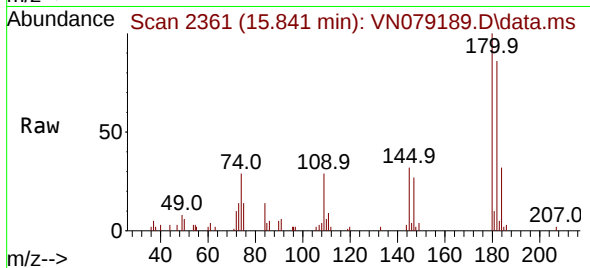
Tgt Ion:	180	Resp:	2406
Ion Ratio	Lower	Upper	
180	100		
182	95.9	74.5	111.7
145	31.3	26.2	39.2

Manual Integrations

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Reviewed By :John Carlone 09/09/2023

Supervised By :Mahesh Dadoda 09/11/2023



#90

Hexachlorobutadiene

Concen: 19.007 ug/l

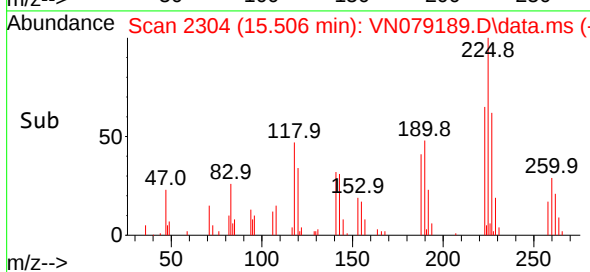
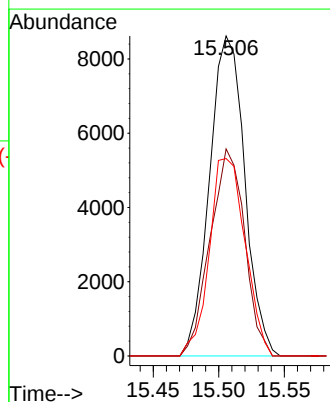
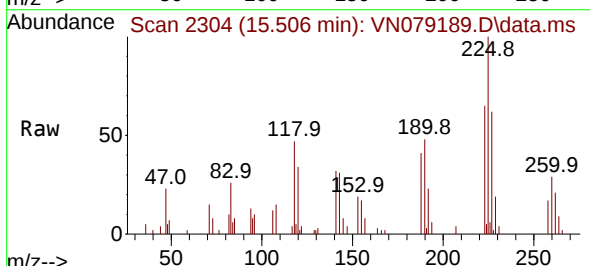
RT: 15.506 min Scan# 2304

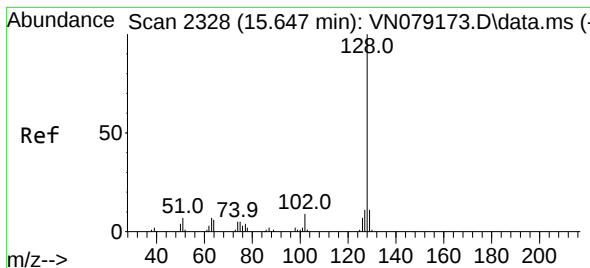
Delta R.T. -0.000 min

Lab File: VN079189.D

Acq: 08 Sep 2023 11:11

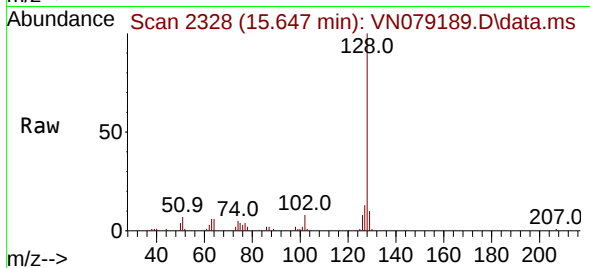
Tgt Ion:	225	Resp:	16116
Ion Ratio	Lower	Upper	
225	100		
223	63.2	0.0	125.6
227	62.7	0.0	124.0





#91
Naphthalene
Concen: 15.293 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

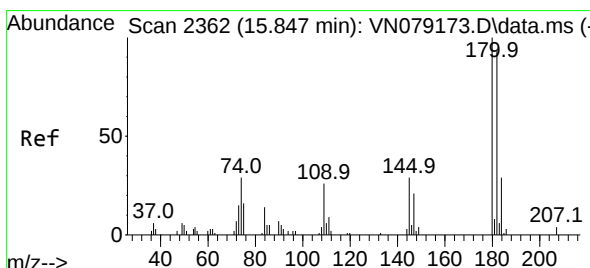
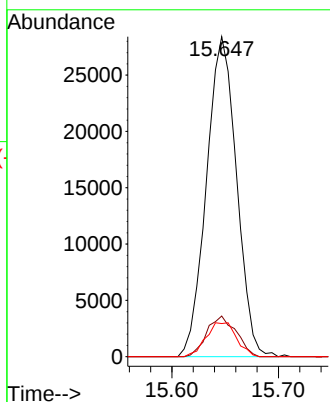
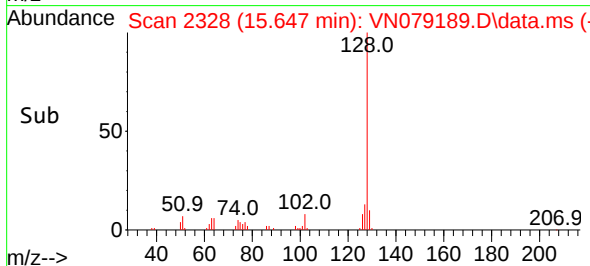
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 5578
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 10.8 8.5 12.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/09/2023
Supervised By :Mahesh Dadoda 09/11/2023



#92
1,2,3-Trichlorobenzene
Concen: 17.242 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN079189.D
Acq: 08 Sep 2023 11:11

Tgt Ion:180 Resp: 24069
Ion Ratio Lower Upper
180 100
182 95.9 0.0 186.2
145 31.3 0.0 65.4

