

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111023\
 Data File : VN080043.D
 Acq On : 10 Nov 2023 10:20
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/13/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 10 23:53:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	83123	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	427312	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	399659	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	207981	29.807	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.367%		
60) 4-Bromofluorobenzene	12.853	95	194944	30.502	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.667%		
63) Toluene-d8	10.571	98	587312	31.015	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.367%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	94824	17.496	ug/l	96
3) Chloromethane	2.359	50	101222	14.825	ug/l	96
4) Vinyl Chloride	2.512	62	75617	13.253	ug/l	100
5) Bromomethane	2.953	94	45095	14.435	ug/l	91
6) Chloroethane	3.118	64	57280	17.285	ug/l	95
7) Trichlorofluoromethane	3.500	101	159091	18.579	ug/l	95
8) Diethyl Ether	3.965	74	49605	16.137	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	85078	17.586	ug/l	94
10) 1,1-Dichloroethene	4.342	96	78103	18.250	ug/l	96
11) Methyl Iodide	4.595	142	88209	15.583	ug/l	94
12) Methyl Acetate	5.024	43	192483	17.348	ug/l	99
13) Acrolein	4.177	56	70213	74.898	ug/l	98
14) Acrylonitrile	5.718	53	230029	87.285	ug/l	97
15) Acetone	4.430	58	67432	75.778	ug/l	84
16) Carbon Disulfide	4.712	76	243083	16.634	ug/l	99
17) Allyl chloride	5.024	41	118196	15.805	ug/l	98
18) Methylene Chloride	5.277	84	101997	17.772	ug/l	96
19) trans-1,2-Dichloroethene	5.794	96	92702	17.475	ug/l	94
20) Diisopropyl ether	6.677	45	292901	16.760	ug/l	99
21) 1,1-Dichloroethane	6.571	63	184871	17.723	ug/l	97
22) cis-1,2-Dichloroethene	7.494	96	104292	16.942	ug/l	97
23) tert-Butyl Alcohol	5.518	59	63304m	88.992	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	260005	16.500	ug/l	99
25) Chloroform	7.971	83	190502	17.692	ug/l	98
26) Cyclohexane	8.259	56	128646	15.676	ug/l #	99
29) 1,1-Dichloropropene	8.371	75	133496	18.203	ug/l	99
30) 2-Butanone	7.488	43	296987	84.795	ug/l	98
31) 2,2-Dichloropropane	7.494	77	146431	18.474	ug/l #	53
32) 1,1,1-Trichloroethane	8.171	97	161144	19.247	ug/l	99
33) Carbon Tetrachloride	8.365	117	139018	18.891	ug/l	97
34) Benzene	8.612	78	408506	18.751	ug/l	97
35) Methacrylonitrile	7.783	41	63646	17.333	ug/l	94
36) 1,2-Dichloroethane	8.677	62	150914	19.141	ug/l	99
37) Trichloroethene	9.359	130	95619	18.251	ug/l	99
38) Methylcyclohexane	9.606	83	113066	16.419	ug/l	95
39) 1,2-Dichloropropane	9.624	63	107283	18.605	ug/l	97
40) Dibromomethane	9.712	93	71638	19.220	ug/l	97
41) Bromodichloromethane	9.888	83	145562	18.856	ug/l	94
42) Vinyl Acetate	6.606	43	748938	86.088	ug/l	99

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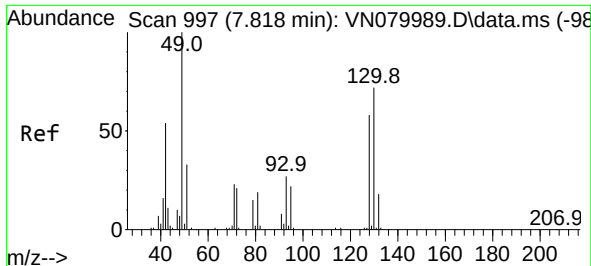
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 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 10 23:53:22 2023
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	125990	19.149	ug/l	93
44) Isopropyl Acetate	8.688	43	198669	18.531	ug/l	98
45) 1,4-Dioxane	9.694	88	32350	391.557	ug/l #	95
46) Methyl methacrylate	9.682	41	91590	17.772	ug/l	95
47) n-amyl Acetate	12.494	43	149670	17.380	ug/l	92
48) t-1,3-Dichloropropene	10.841	75	139065	17.639	ug/l	100
49) cis-1,3-Dichloropropene	10.318	75	158463	18.182	ug/l	92
50) 1,1,2-Trichloroethane	11.018	97	98997	19.471	ug/l	96
51) Ethyl methacrylate	10.876	69	125776	17.211	ug/l	97
52) 1,3-Dichloropropane	11.165	76	175384	19.294	ug/l	98
53) Dibromochloromethane	11.359	129	101587	18.677	ug/l	98
54) 1,2-Dibromoethane	11.471	107	96300	18.862	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	305753	90.966	ug/l	98
56) Bromoform	12.582	173	69193	19.413	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	617583	92.495	ug/l	98
59) 2-Hexanone	11.200	43	444201	87.333	ug/l	99
61) Tetrachloroethene	11.106	164	85851	18.322	ug/l	96
62) Toluene	10.629	91	431141	18.652	ug/l	99
64) Chlorobenzene	11.894	112	251480	18.231	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.965	131	95269	18.828	ug/l	98
66) Ethyl Benzene	11.965	91	424855	17.491	ug/l	100
67) m/p-Xylenes	12.076	106	334835	37.026	ug/l	94
68) o-Xylene	12.400	106	154407	17.814	ug/l	100
69) Styrene	12.418	104	262260	18.278	ug/l	98
70) Isopropylbenzene	12.700	105	381229	17.632	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	140861	19.128	ug/l	98
72) 1,2,3-Trichloropropane	13.000	75	128563m	18.789	ug/l	
73) Bromobenzene	12.982	156	99039	18.632	ug/l	99
74) n-propylbenzene	13.041	91	464092	17.943	ug/l	99
75) 2-Chlorotoluene	13.129	91	298528	18.158	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	330669	18.491	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	39452	17.609	ug/l	96
78) 4-Chlorotoluene	13.223	91	297338	18.210	ug/l	98
79) tert-butylbenzene	13.441	119	247612	17.680	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	323855	18.469	ug/l	100
81) sec-Butylbenzene	13.617	105	350624	17.736	ug/l	99
82) p-Isopropyltoluene	13.735	119	288257	17.954	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	180204	18.605	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	169708	17.851	ug/l	98
85) n-Butylbenzene	14.059	91	226918	16.899	ug/l	99
86) Hexachloroethane	14.335	117	56969	18.247	ug/l	97
87) 1,2-Dichlorobenzene	14.112	146	171204	18.502	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	25100	18.638	ug/l	93
89) 1,2,4-Trichlorobenzene	15.841	180	69869	16.299	ug/l	97
90) Hexachlorobutadiene	15.506	225	36535	17.293	ug/l	98
91) Naphthalene	15.647	128	191573	13.926	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	69869	16.299	ug/l	97

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



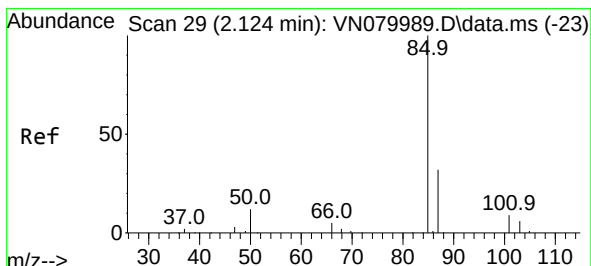
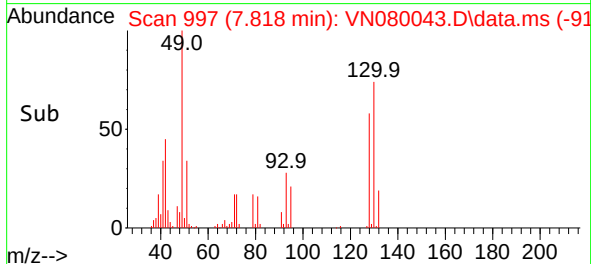
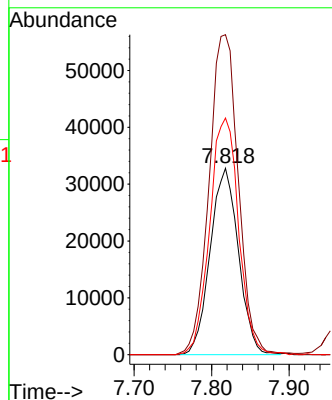
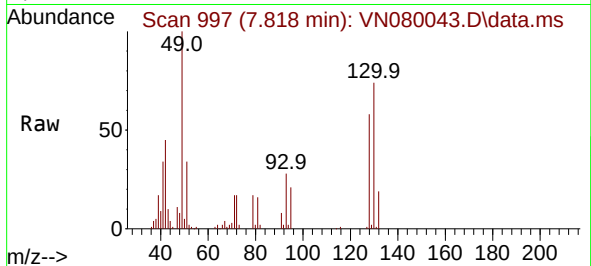
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
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VSTDCCC020

Tgt Ion:128 Resp: 8312
Ion Ratio Lower Upper
128 100
49 177.6 0.0 468.5
130 129.9 0.0 320.7

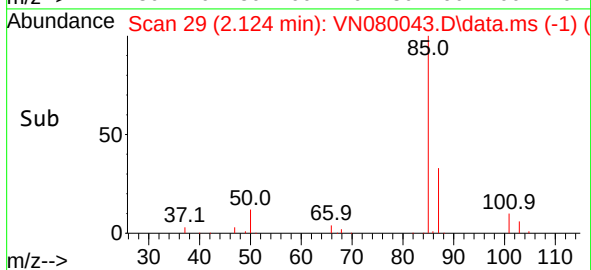
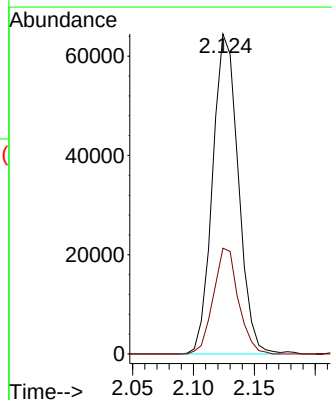
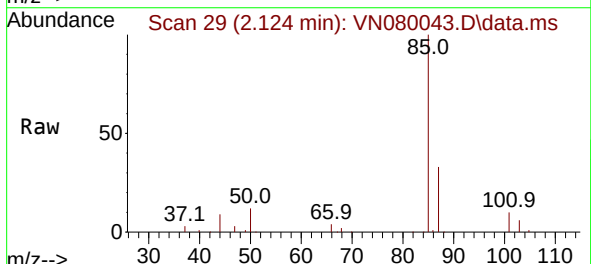
Manual Integrations
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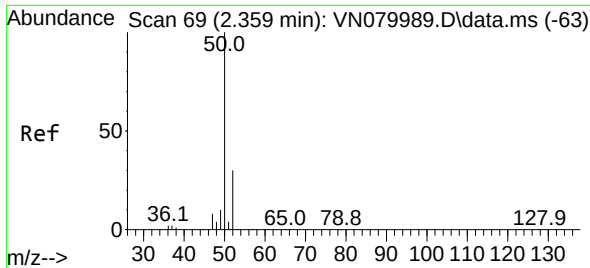
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#2
Dichlorodifluoromethane
Concen: 17.496 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

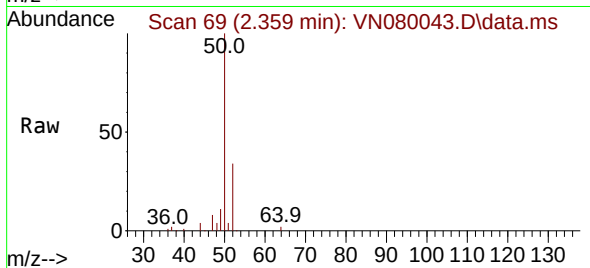
Tgt Ion: 85 Resp: 94824
Ion Ratio Lower Upper
85 100
87 33.1 15.6 46.7





#3
Chloromethane
Concen: 14.825 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

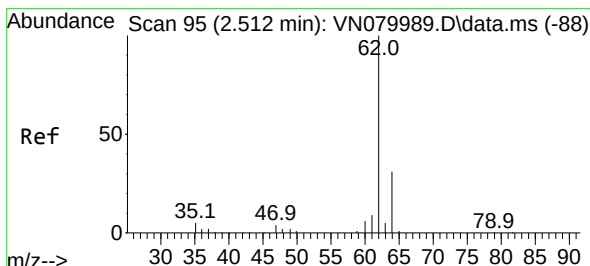
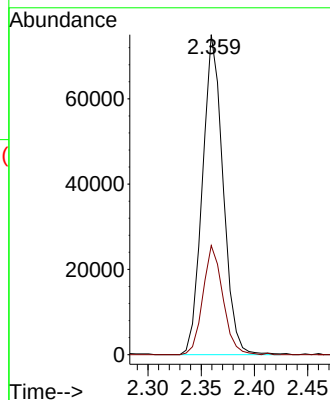
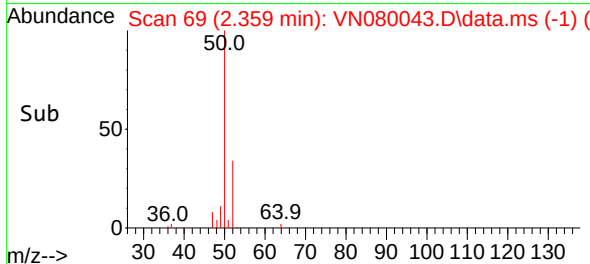
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC020



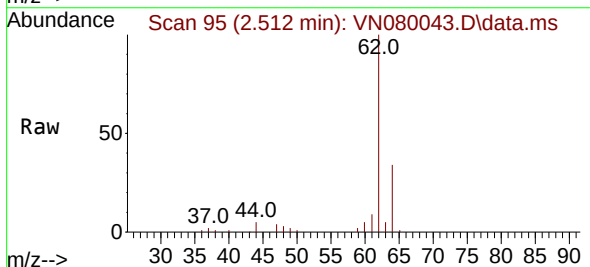
Tgt Ion: 50 Resp: 10122
Ion Ratio Lower Upper
50 100
52 34.1 25.6 38.4

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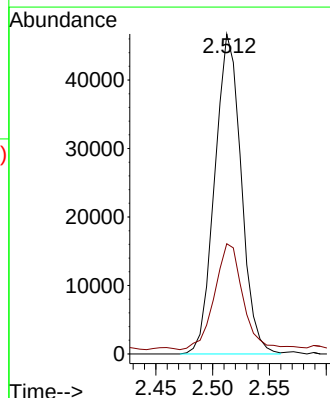
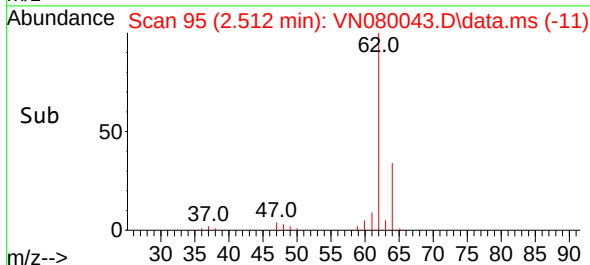
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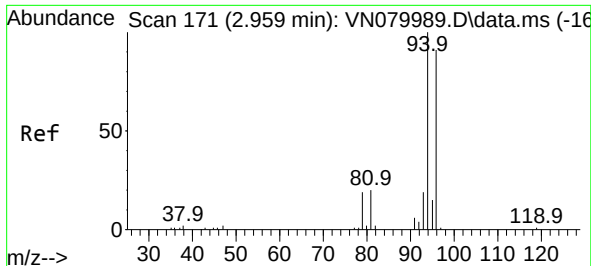


#4
Vinyl Chloride
Concen: 13.253 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20



Tgt Ion: 62 Resp: 75617
Ion Ratio Lower Upper
62 100
64 33.1 26.4 39.6





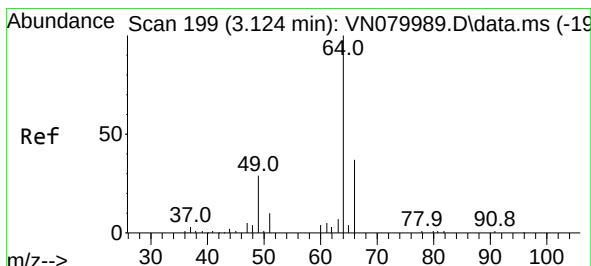
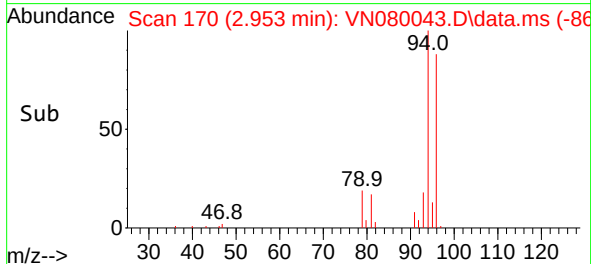
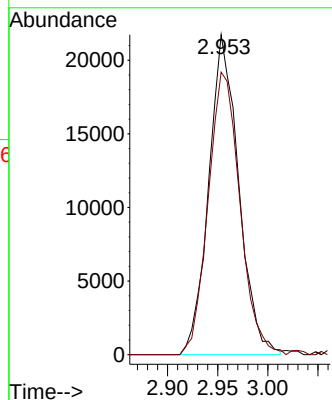
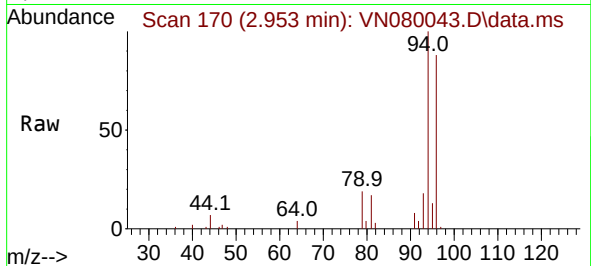
#5
Bromomethane
Concen: 14.435 ug/l
RT: 2.953 min Scan# 171
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 94 Resp: 4509
Ion Ratio Lower Upper
94 100
96 88.3 77.8 116.6

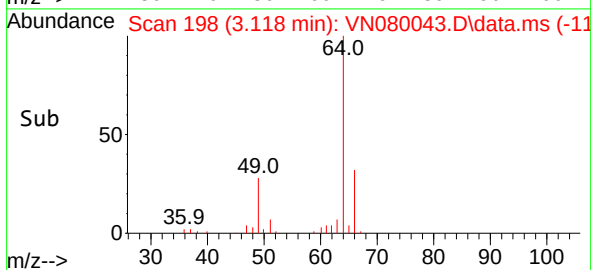
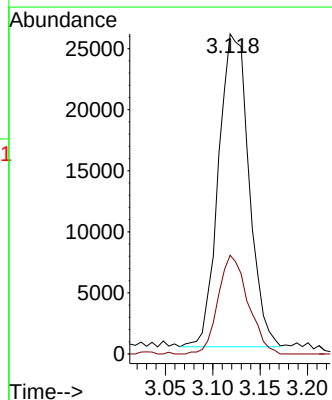
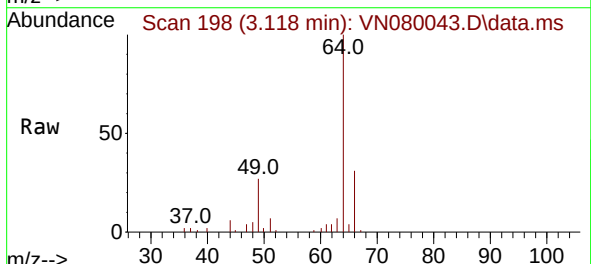
Manual Integrations
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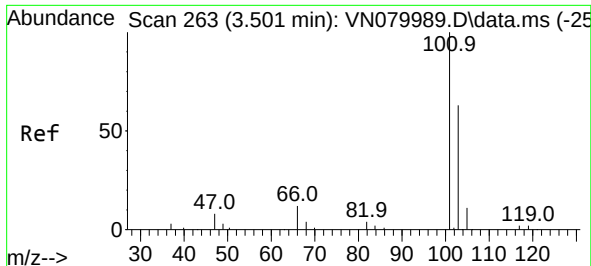
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#6
Chloroethane
Concen: 17.285 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

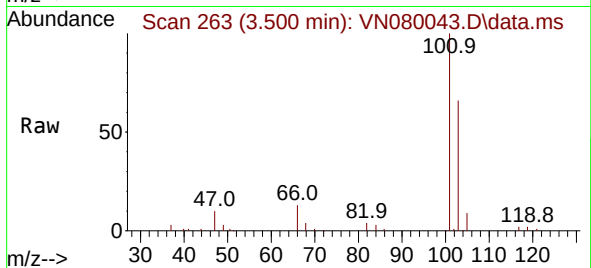
Tgt Ion: 64 Resp: 57280
Ion Ratio Lower Upper
64 100
66 31.6 23.3 34.9





#7
Trichlorofluoromethane
Concen: 18.579 ug/l
RT: 3.500 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

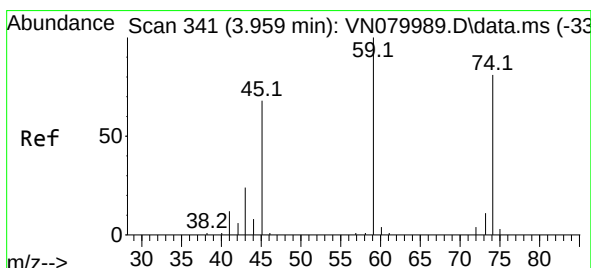
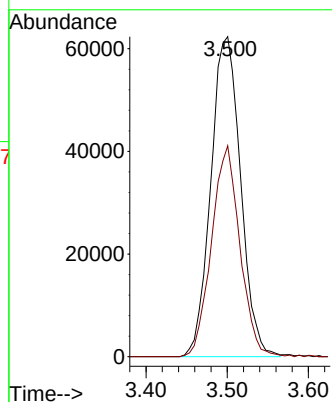
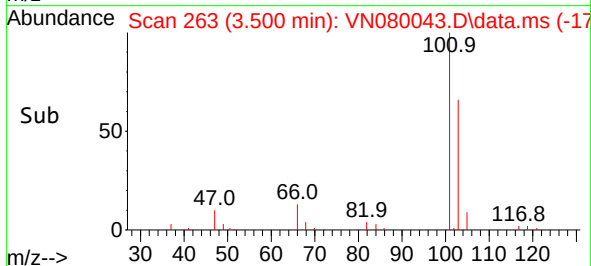
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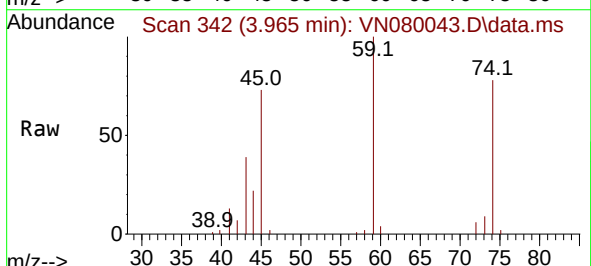
Tgt Ion:101 Resp: 15909
Ion Ratio Lower Upper
101 100
103 65.9 49.9 74.9

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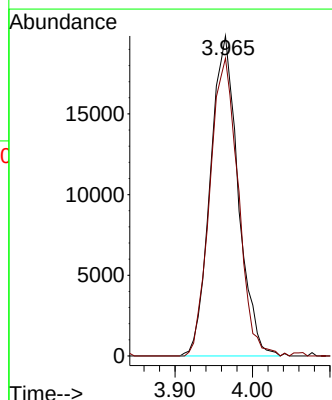
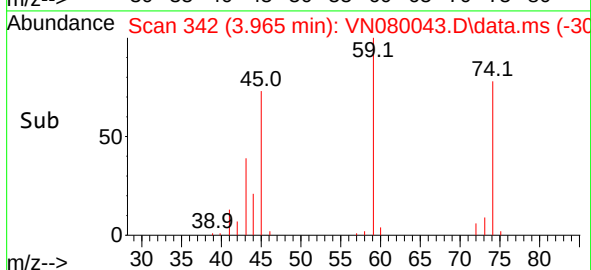
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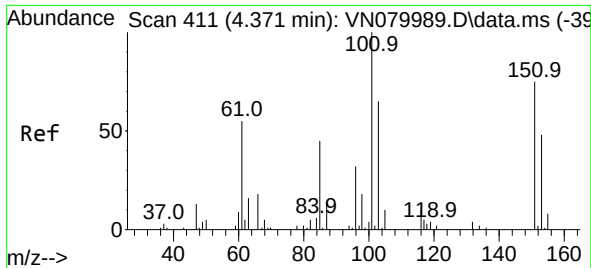


#8
Diethyl Ether
Concen: 16.137 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20



Tgt Ion: 74 Resp: 49605
Ion Ratio Lower Upper
74 100
45 94.5 19.0 171.0





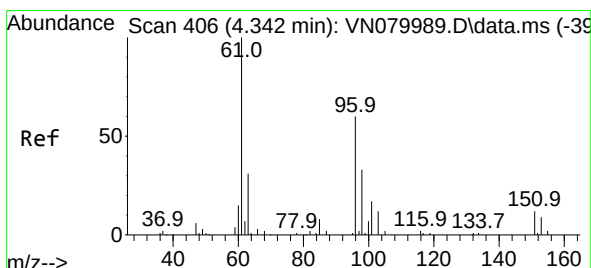
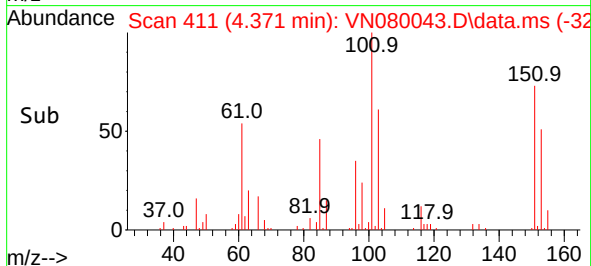
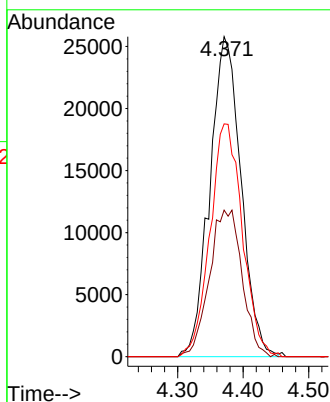
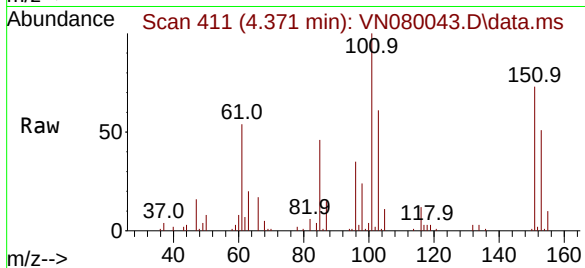
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.586 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.012 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 85078
Ion Ratio Lower Upper
101 100
85 48.1 0.0 92.0
151 75.2 0.0 138.4

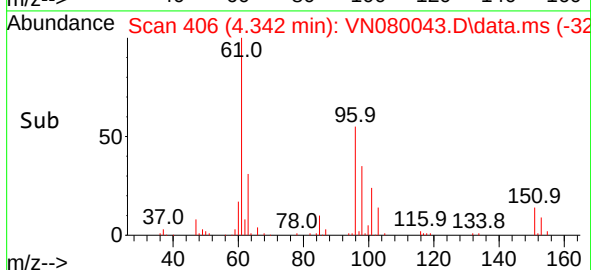
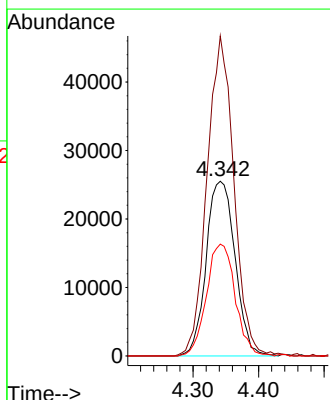
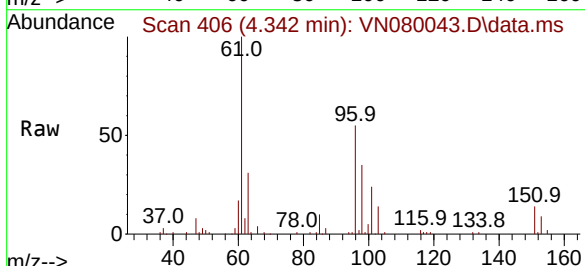
Manual Integrations
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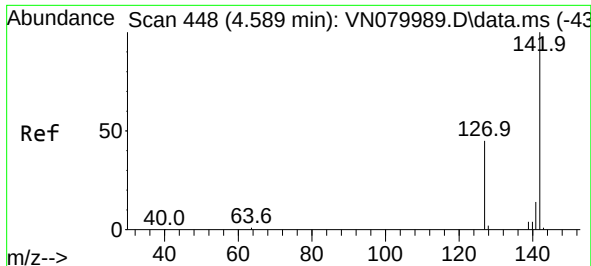
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#10
1,1-Dichloroethene
Concen: 18.250 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.001 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

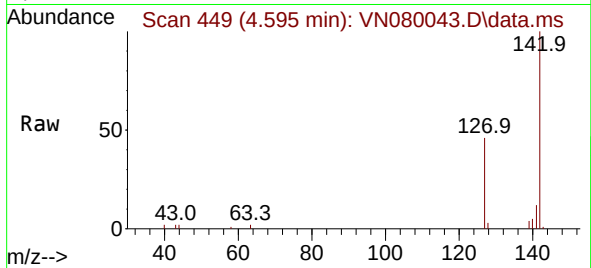
Tgt Ion: 96 Resp: 78103
Ion Ratio Lower Upper
96 100
61 182.6 141.3 211.9
98 64.0 53.2 79.8





#11
Methyl Iodide
Concen: 15.583 ug/l
RT: 4.595 min Scan# 448
Delta R.T. 0.001 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

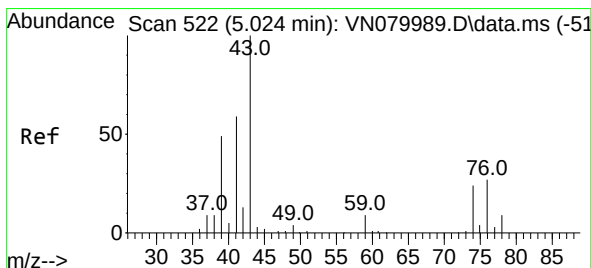
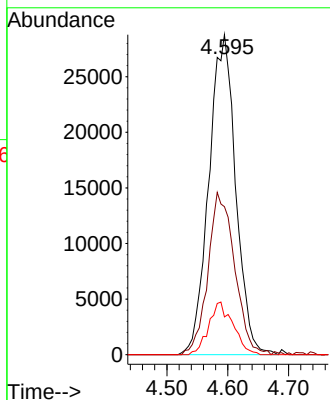
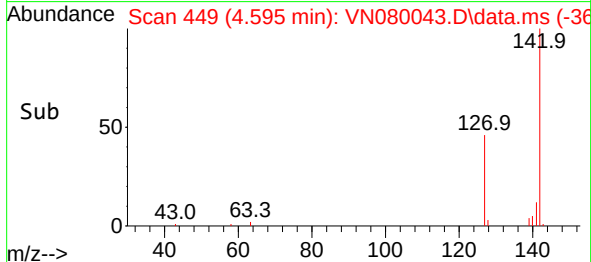
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 88209
Ion Ratio Lower Upper
142 100
127 46.0 24.6 73.8
141 11.8 7.7 23.1

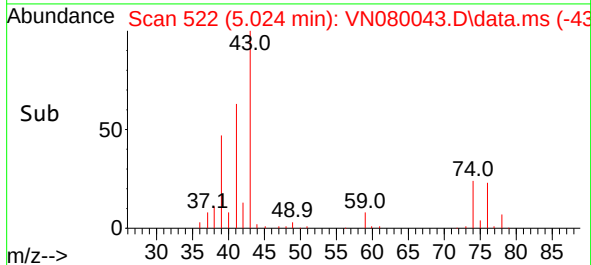
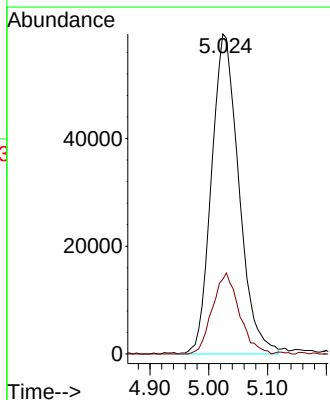
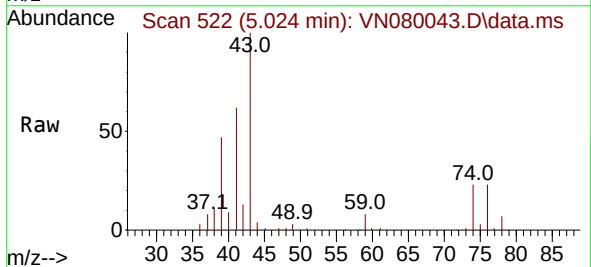
Manual Integrations
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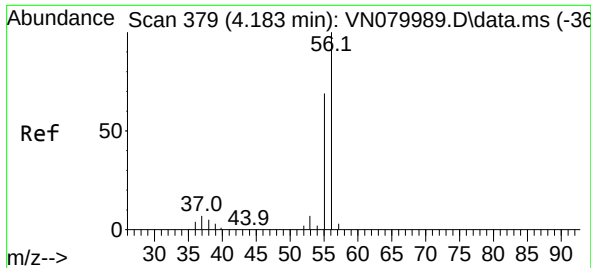
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#12
Methyl Acetate
Concen: 17.348 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 43 Resp: 192483
Ion Ratio Lower Upper
43 100
74 23.2 18.1 27.1





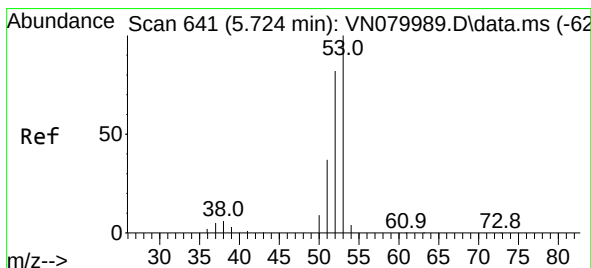
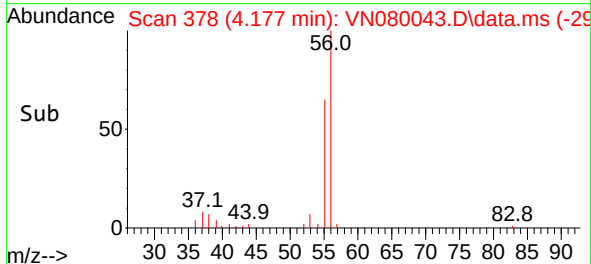
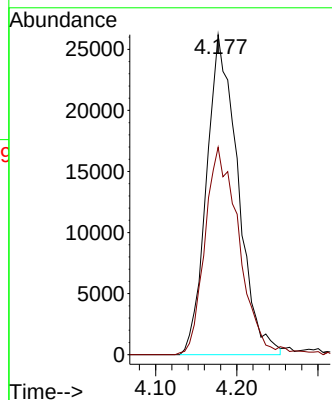
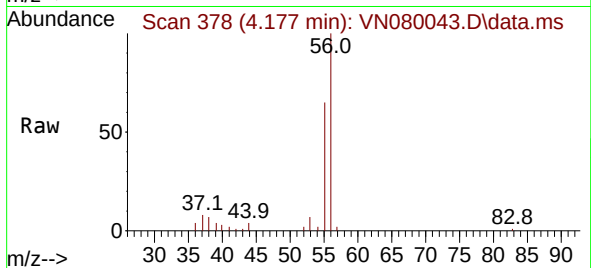
#13
Acrolein
Concen: 74.898 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 7021
Ion Ratio Lower Upper
56 100
55 69.5 57.1 85.7

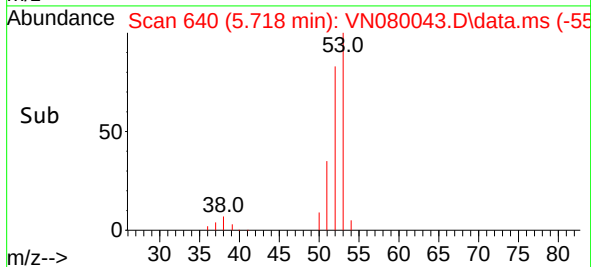
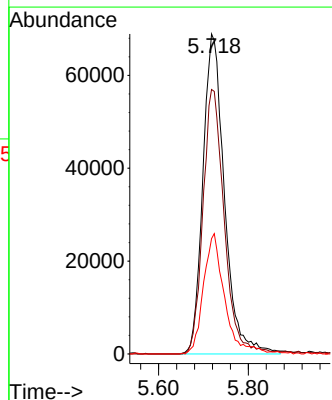
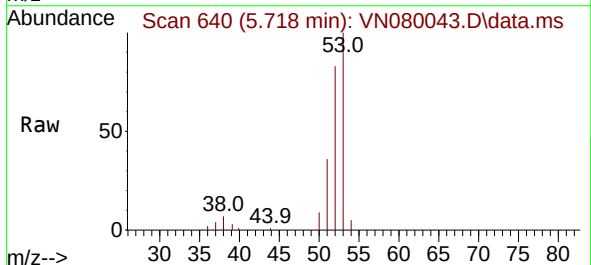
Manual Integrations
APPROVED

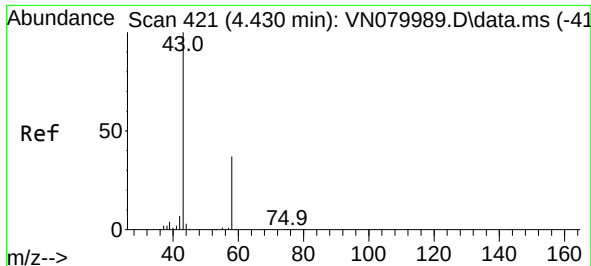
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#14
Acrylonitrile
Concen: 87.285 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 53 Resp: 230029
Ion Ratio Lower Upper
53 100
52 79.6 41.6 124.9
51 35.4 17.8 53.3





#15

Acetone

Concen: 75.778 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 6743

Ion Ratio Lower Upper

58 100

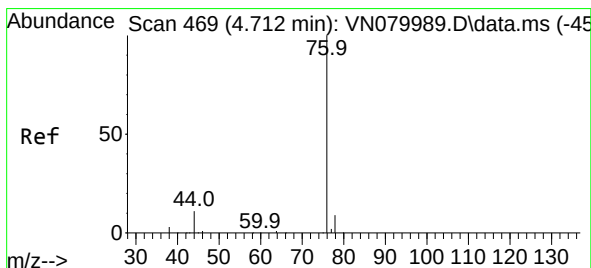
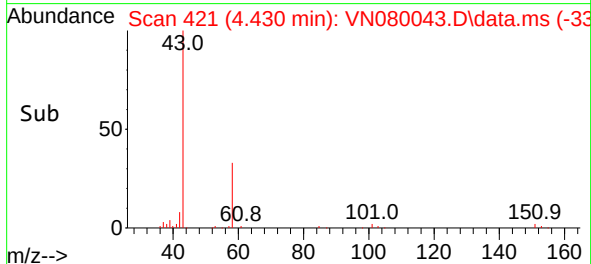
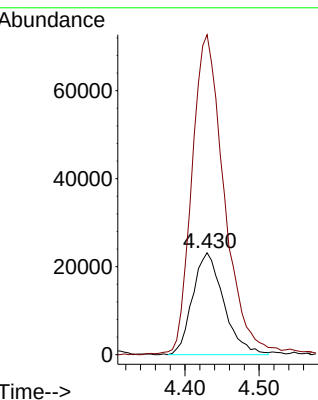
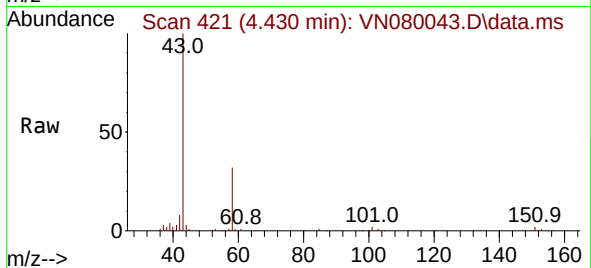
43 311.4 225.2 337.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#16

Carbon Disulfide

Concen: 16.634 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.006 min

Lab File: VN080043.D

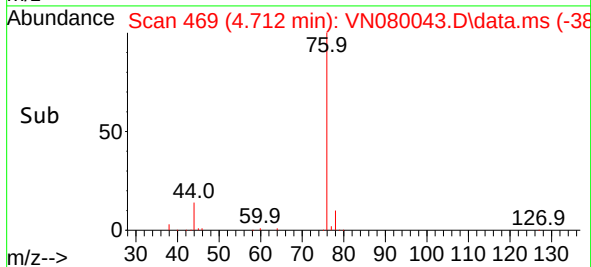
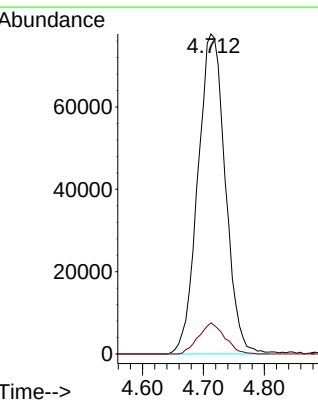
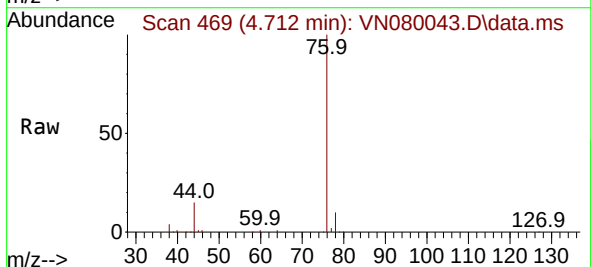
Acq: 10 Nov 2023 10:20

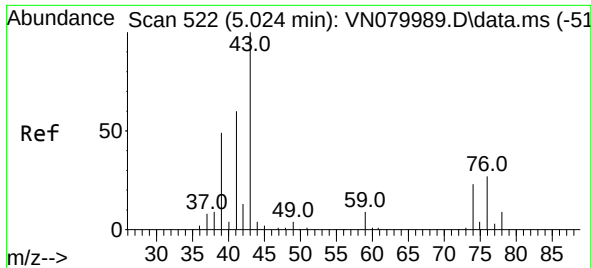
Tgt Ion: 76 Resp: 243083

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3





#17

Allyl chloride

Concen: 15.805 ug/l

RT: 5.024 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

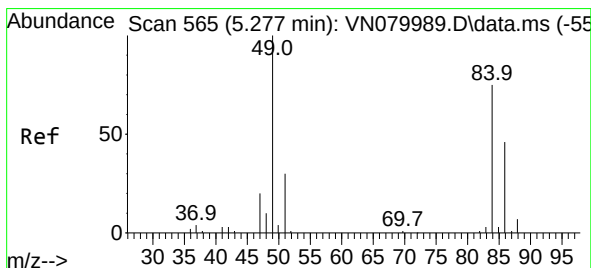
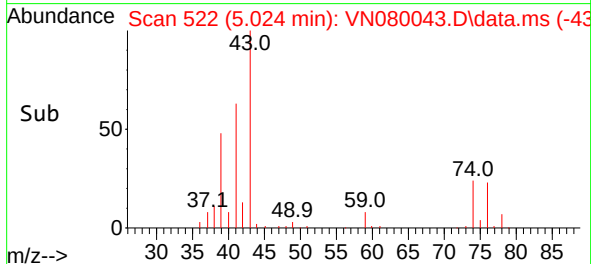
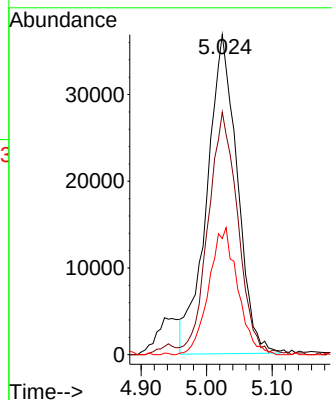
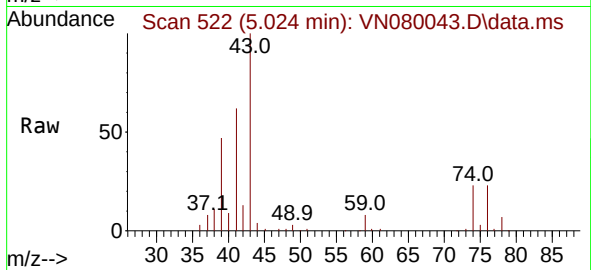
Tgt Ion:	41	Resp:	118190
Ion	Ratio	Lower	Upper
41	100		
39	76.0	38.4	115.2
76	36.7	19.5	58.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#18

Methylene Chloride

Concen: 17.772 ug/l

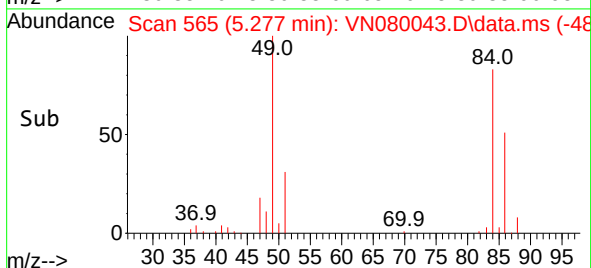
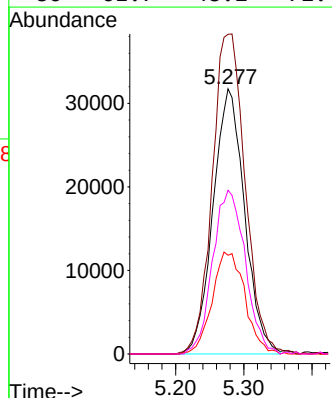
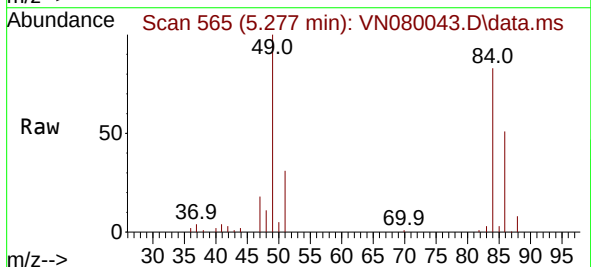
RT: 5.277 min Scan# 565

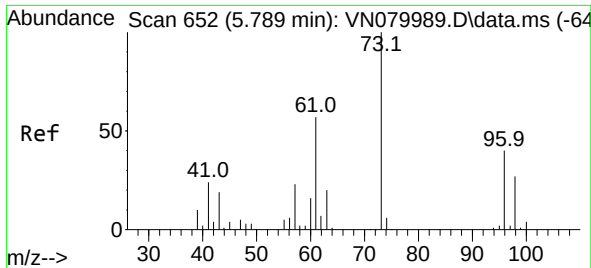
Delta R.T. -0.006 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

Tgt Ion:	84	Resp:	101997
Ion	Ratio	Lower	Upper
84	100		
49	120.0	100.9	151.3
51	37.2	29.4	44.2
86	61.7	48.2	72.4





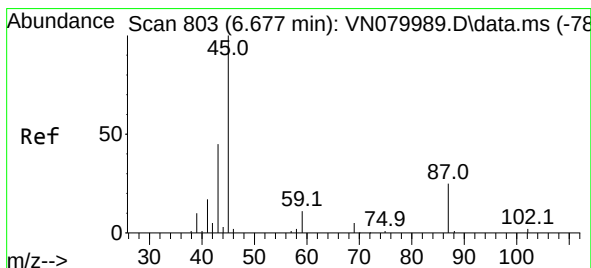
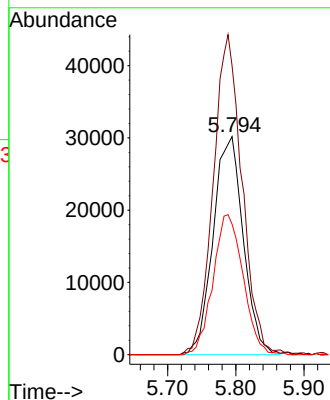
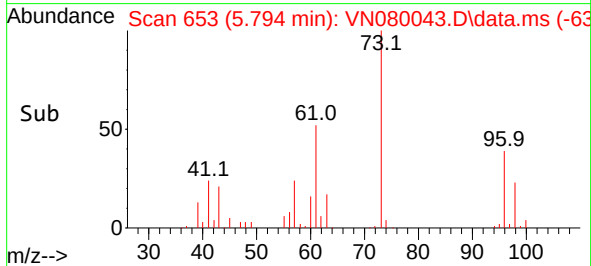
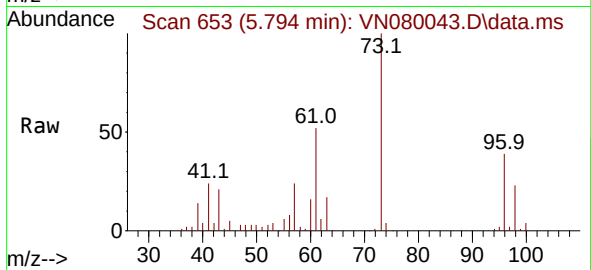
#19
trans-1,2-Dichloroethene
Concen: 17.475 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 96 Resp: 92702
Ion Ratio Lower Upper
96 100
61 132.6 113.4 170.0
98 59.9 50.4 75.6

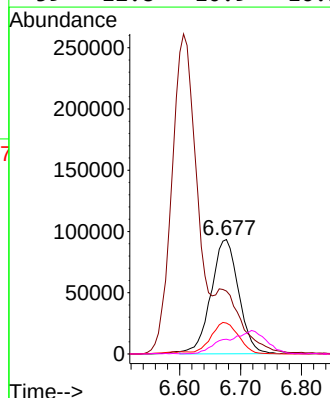
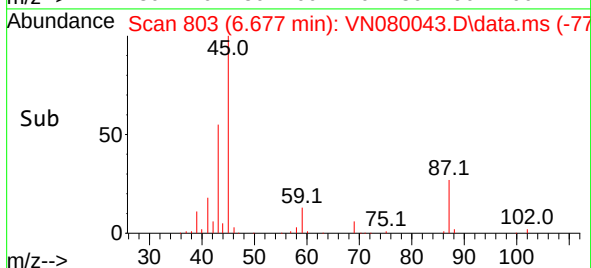
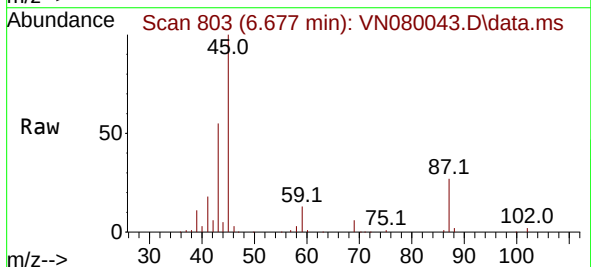
Manual Integrations
APPROVED

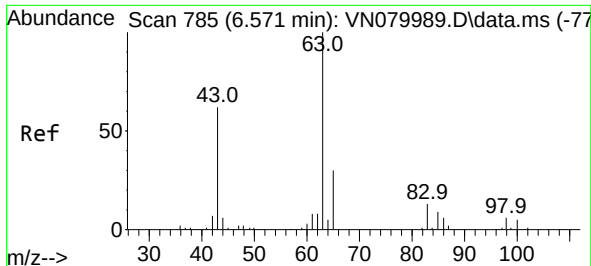
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#20
Diisopropyl ether
Concen: 16.760 ug/l
RT: 6.677 min Scan# 803
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 45 Resp: 292901
Ion Ratio Lower Upper
45 100
43 52.7 42.1 63.1
87 26.8 20.5 30.7
59 12.8 10.9 16.3





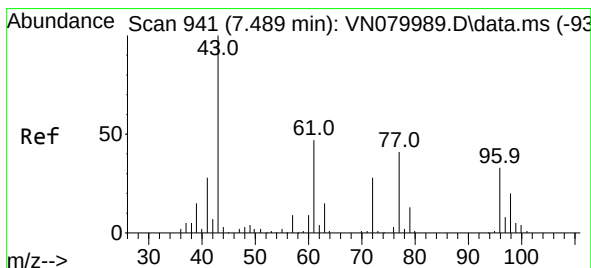
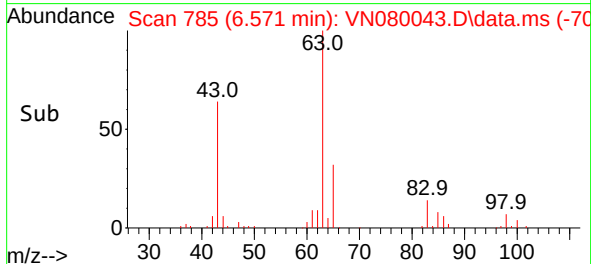
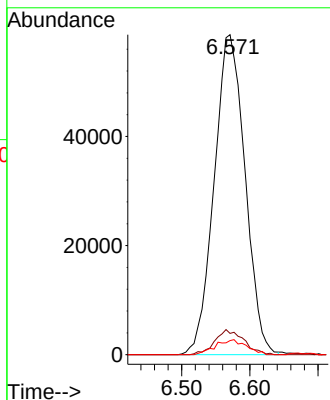
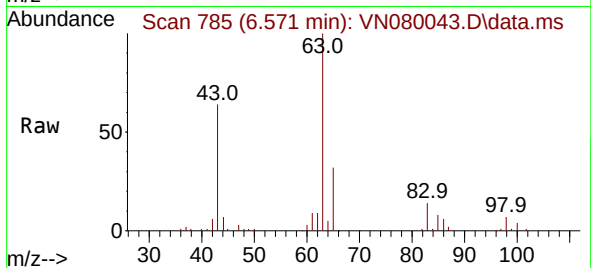
#21
1,1-Dichloroethane
Concen: 17.723 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 18487
Ion Ratio Lower Upper
63 100
98 6.6 2.8 8.4
100 4.4 1.9 5.7

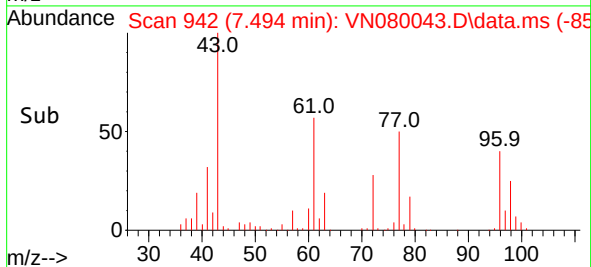
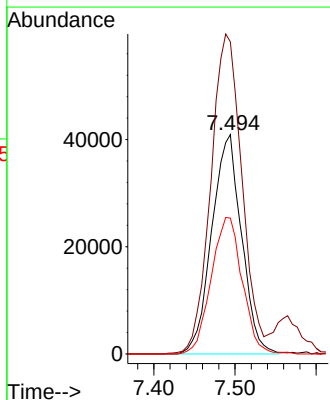
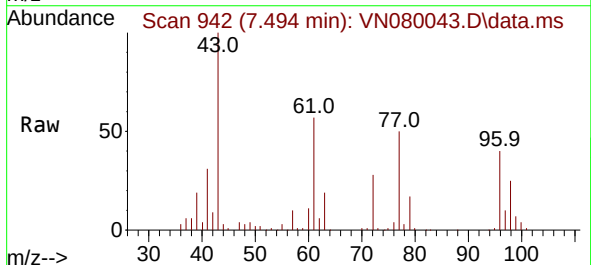
Manual Integrations
APPROVED

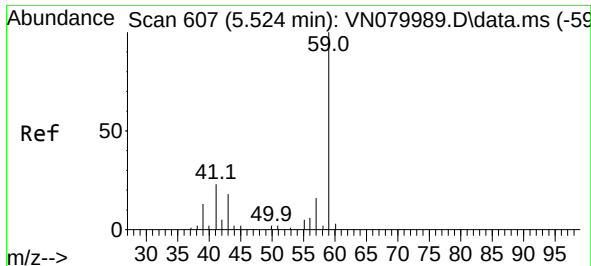
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#22
cis-1,2-Dichloroethene
Concen: 16.942 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 96 Resp: 104292
Ion Ratio Lower Upper
96 100
61 152.0 124.6 186.8
98 64.6 54.2 81.4





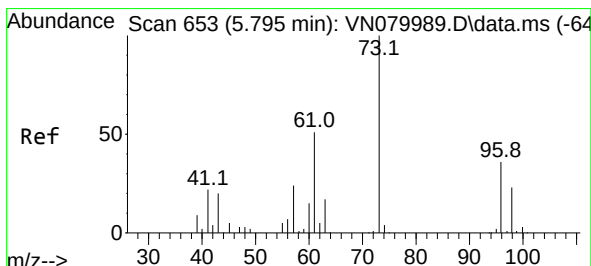
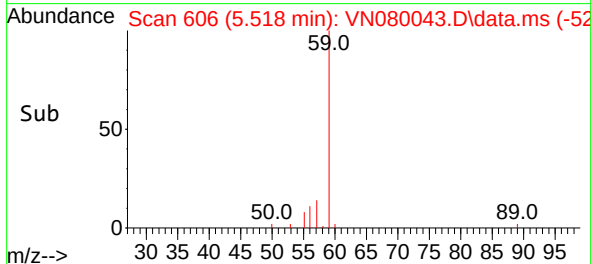
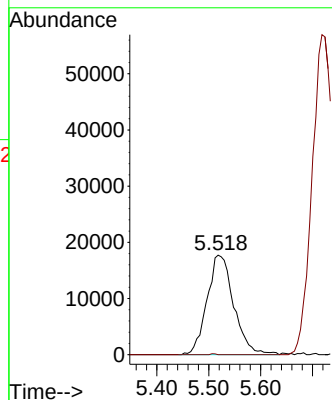
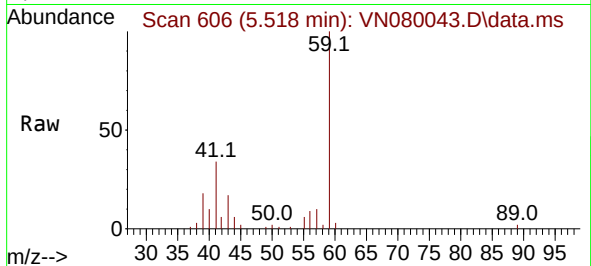
#23
tert-Butyl Alcohol
Concen: 88.992 ug/l m
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 63304
Ion Ratio Lower Upper
59 100
52 0.2 0.0 0.0

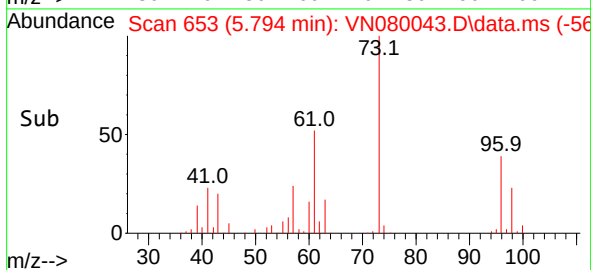
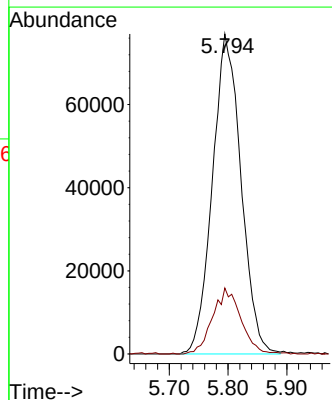
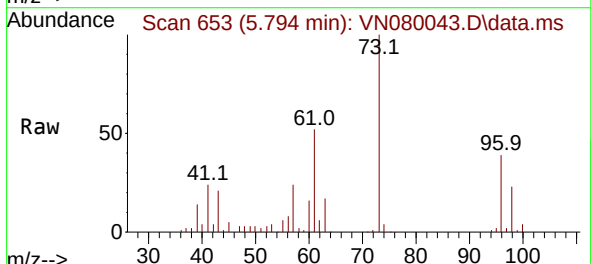
Manual Integrations
APPROVED

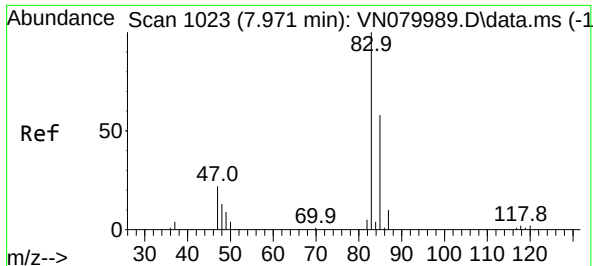
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#24
Methyl tert-Butyl Ether
Concen: 16.500 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 73 Resp: 260005
Ion Ratio Lower Upper
73 100
43 20.1 16.6 24.8





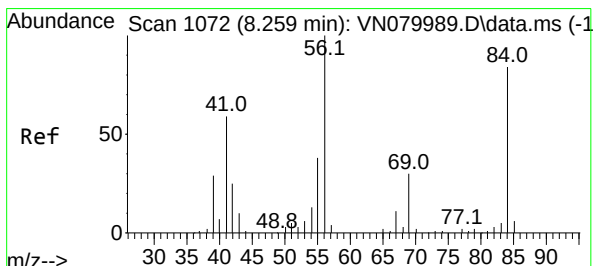
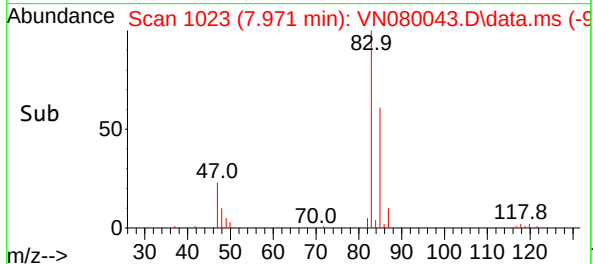
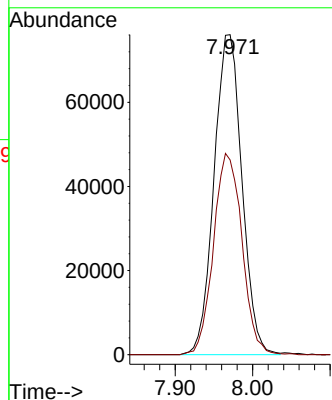
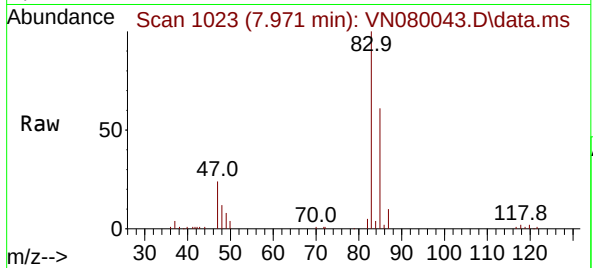
#25
Chloroform
Concen: 17.692 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 190502
Ion Ratio Lower Upper
83 100
85 60.9 47.4 71.2

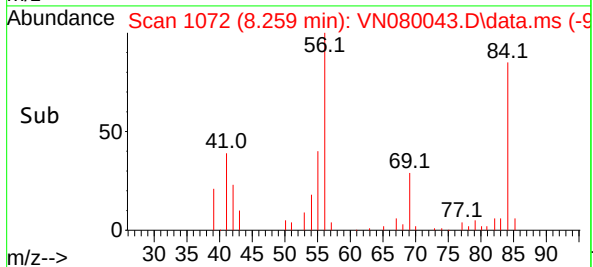
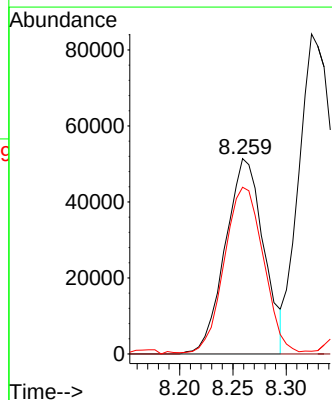
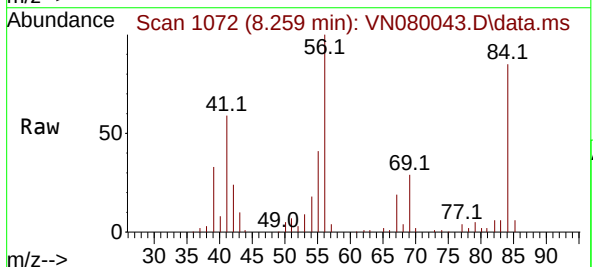
Manual Integrations
APPROVED

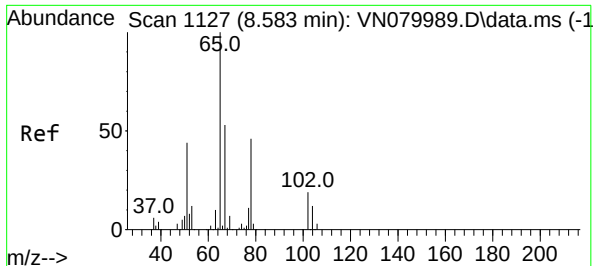
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#26
Cyclohexane
Concen: 15.676 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 56 Resp: 128646
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.3 69.0 103.4





#27

1,2-Dichloroethane-d4

Concen: 29.807 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 65 Resp: 20798

Ion Ratio Lower Upper

65 100

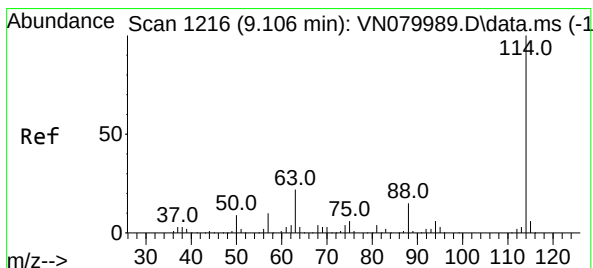
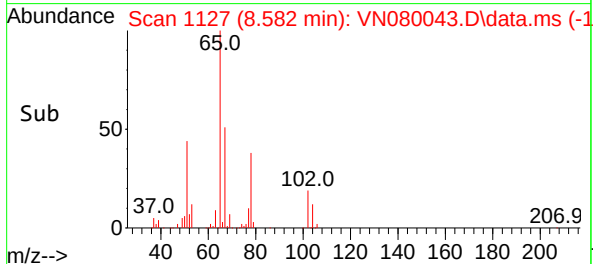
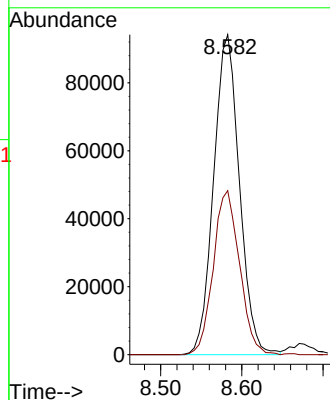
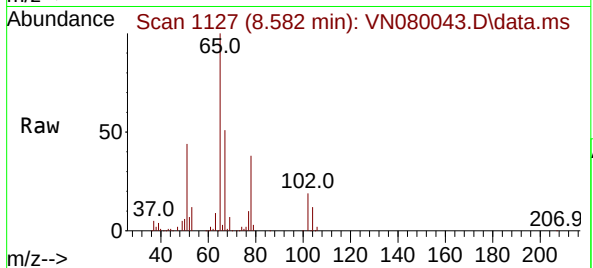
67 52.1 42.1 63.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

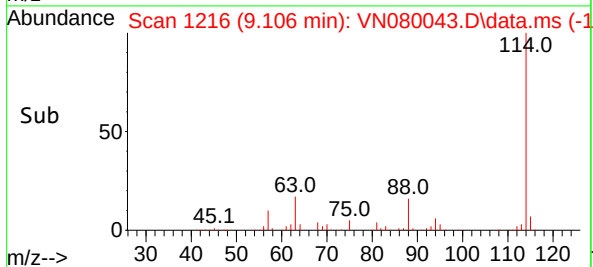
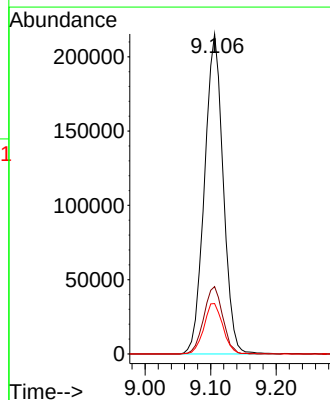
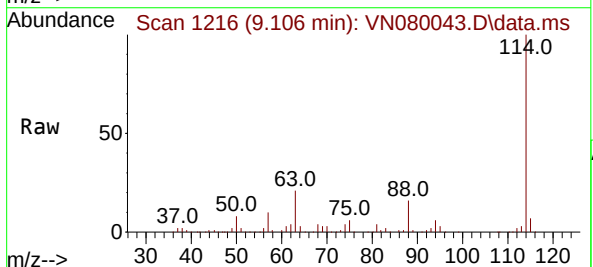
Tgt Ion:114 Resp: 427312

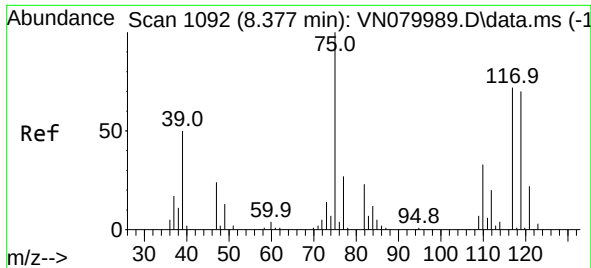
Ion Ratio Lower Upper

114 100

63 21.4 18.1 27.1

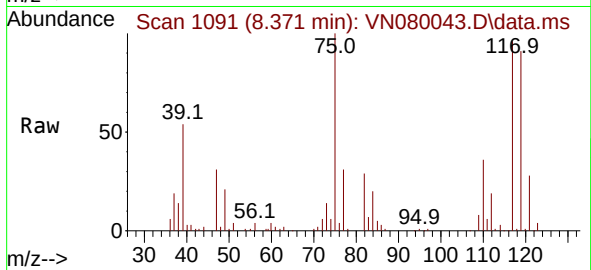
88 16.0 12.2 18.2





#29
1,1-Dichloropropene
Concen: 18.203 ug/l
RT: 8.371 min Scan# 1092
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

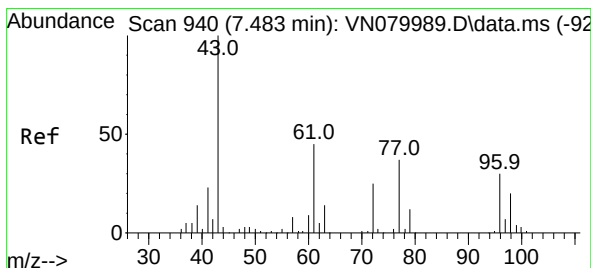
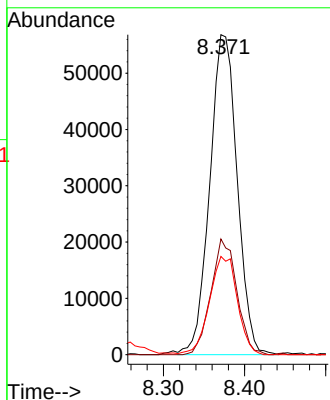
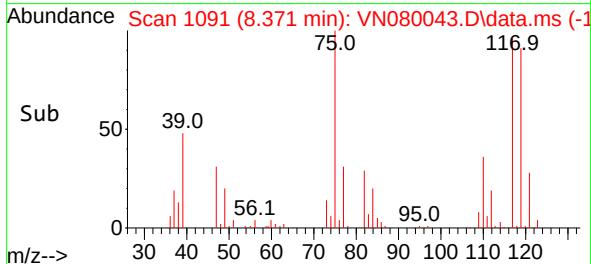
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 133490
Ion Ratio Lower Upper
75 100
110 34.1 0.0 66.8
77 31.2 0.0 61.2

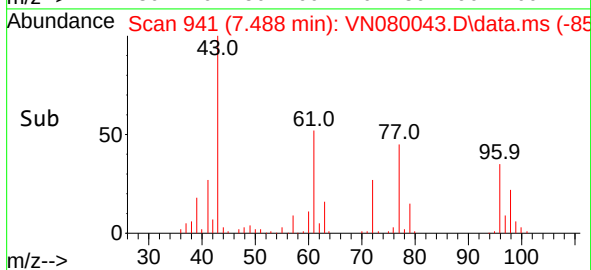
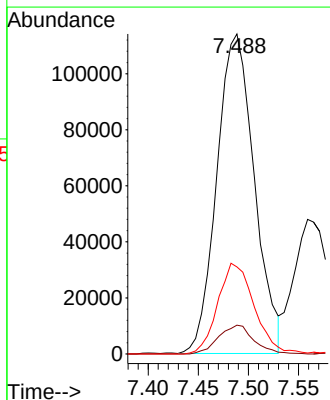
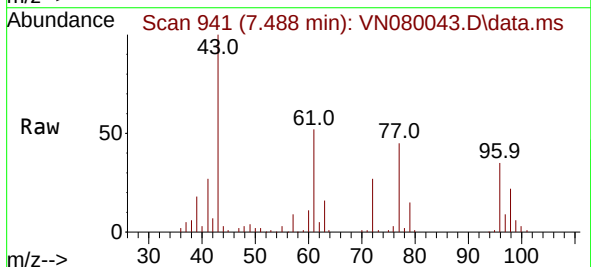
Manual Integrations
APPROVED

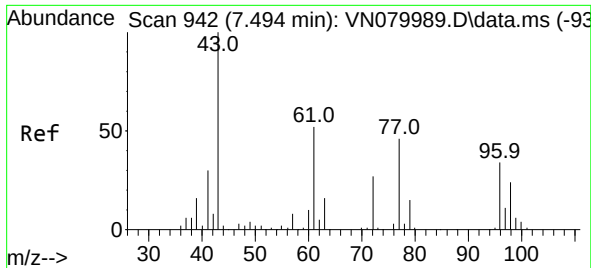
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#30
2-Butanone
Concen: 84.795 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

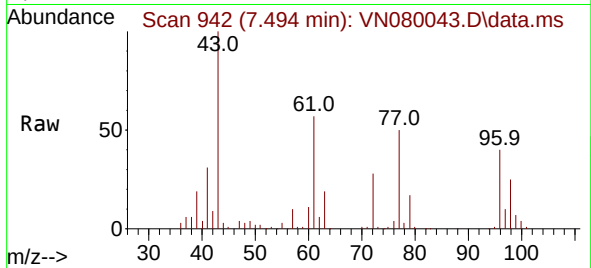
Tgt Ion: 43 Resp: 296987
Ion Ratio Lower Upper
43 100
57 8.5 6.4 9.6
72 27.2 20.7 31.1





#31
2,2-Dichloropropane
Concen: 18.474 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

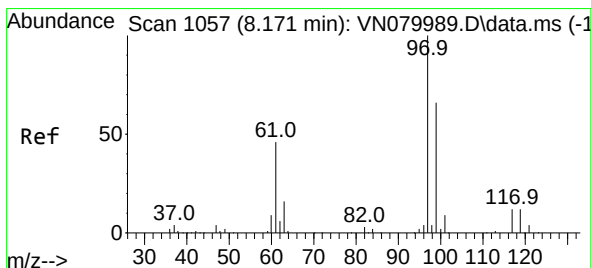
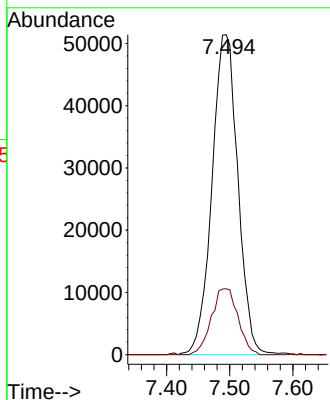
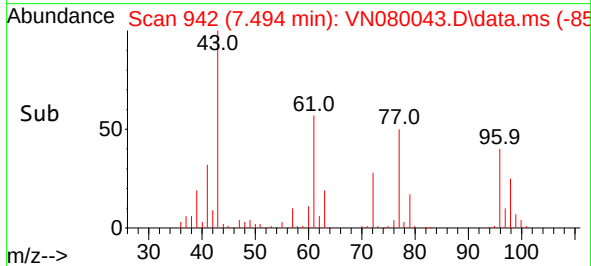
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



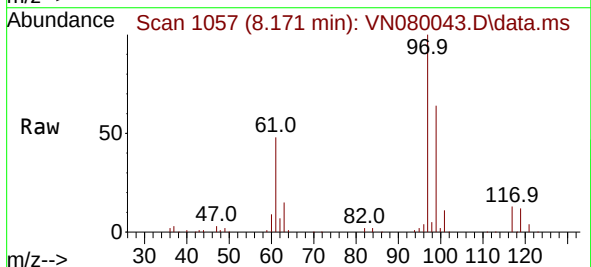
Tgt Ion: 77 Resp: 14643
Ion Ratio Lower Upper
77 100
97 0.0 17.9 26.9

Manual Integrations
APPROVED

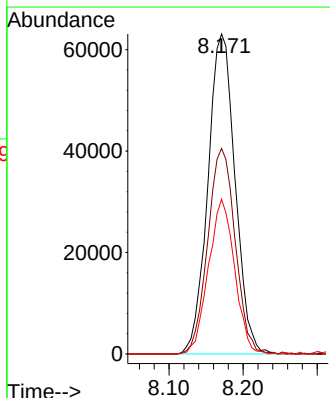
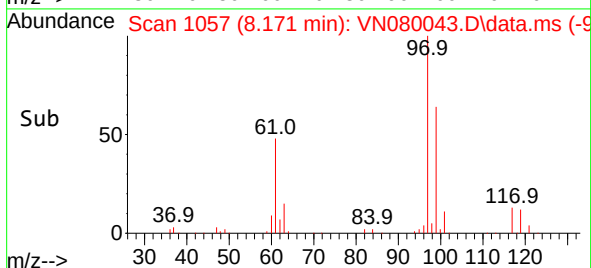
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023

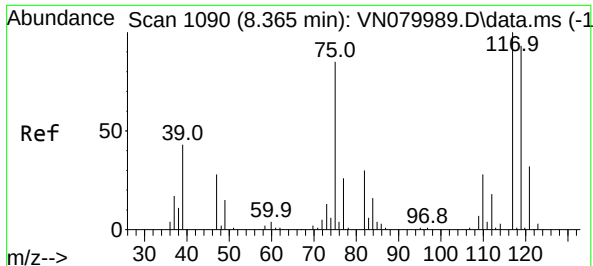


#32
1,1,1-Trichloroethane
Concen: 19.247 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20



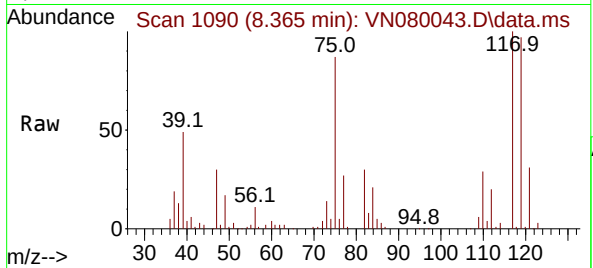
Tgt Ion: 97 Resp: 161144
Ion Ratio Lower Upper
97 100
99 64.5 51.9 77.9
61 46.4 37.6 56.4





#33
Carbon Tetrachloride
Concen: 18.891 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

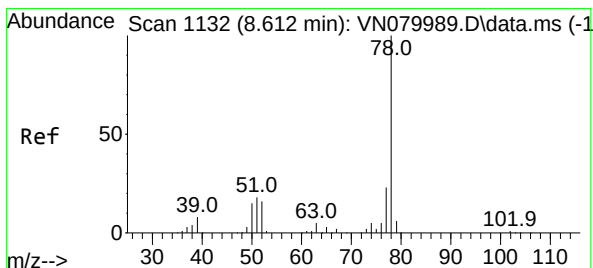
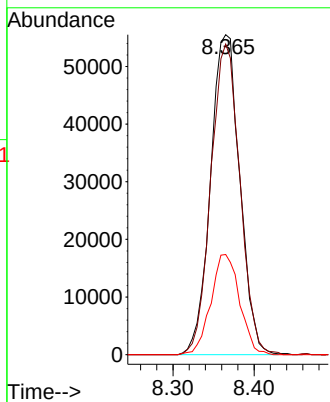
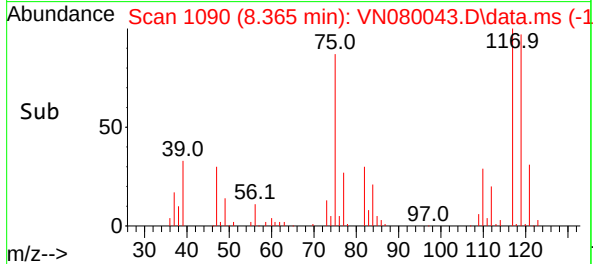
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 139018
Ion Ratio Lower Upper
117 100
119 97.0 75.0 112.6
121 31.3 24.3 36.5

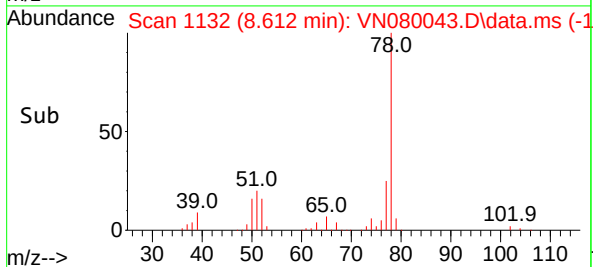
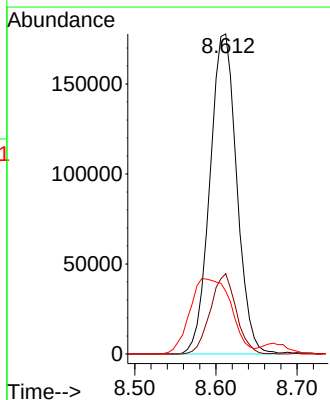
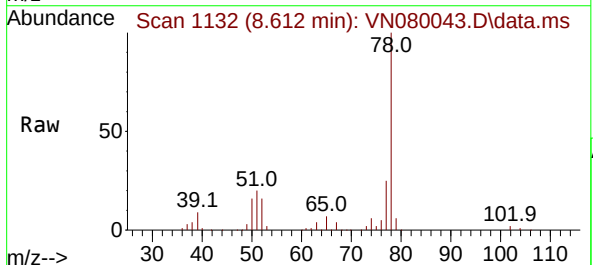
Manual Integrations
APPROVED

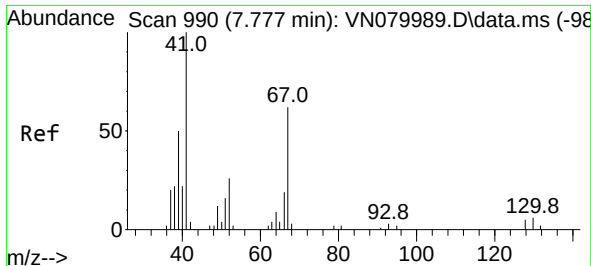
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#34
Benzene
Concen: 18.751 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 78 Resp: 408506
Ion Ratio Lower Upper
78 100
77 25.1 19.7 29.5
51 16.7 15.8 23.6





#35
Methacrylonitrile
Concen: 17.333 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.001 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

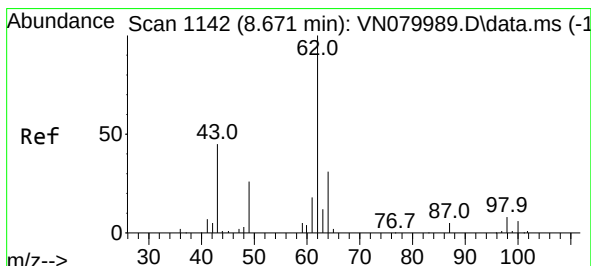
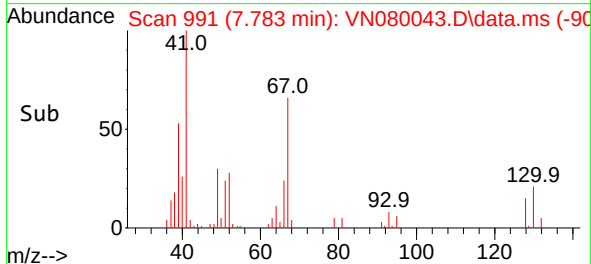
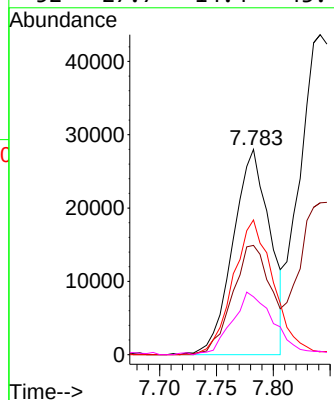
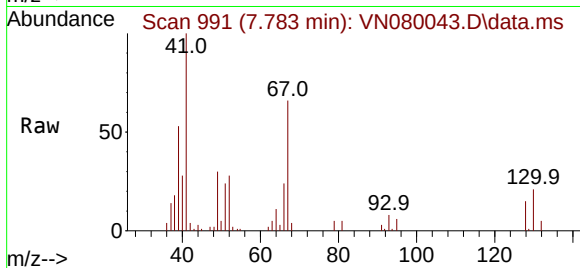
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 41 Resp: 63640

Ion	Ratio	Lower	Upper
41	100		
39	53.6	26.3	78.8
67	66.1	37.5	112.3
52	27.7	14.4	43.4

Manual Integrations
APPROVED

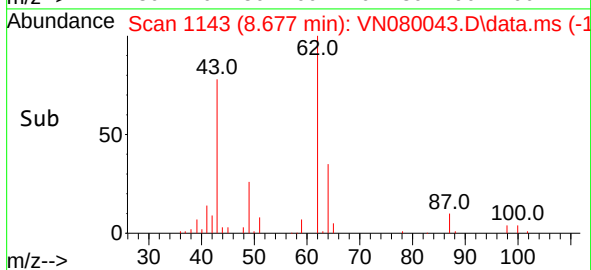
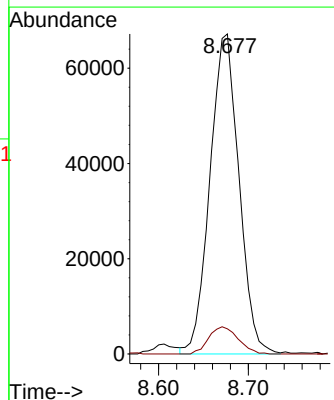
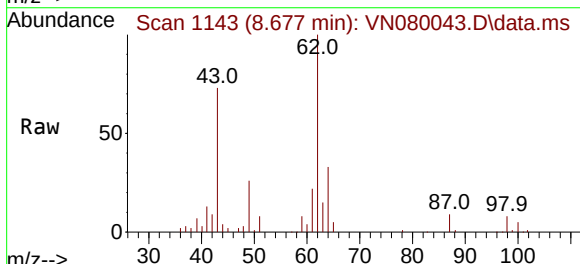
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023

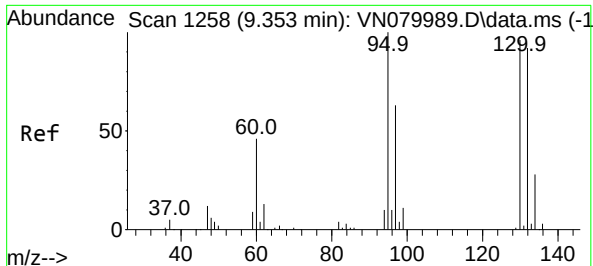


#36
1,2-Dichloroethane
Concen: 19.141 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 62 Resp: 150914

Ion	Ratio	Lower	Upper
62	100		
98	8.7	7.2	10.8





#37

Trichloroethene

Concen: 18.251 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 95619

Ion Ratio Lower Upper

130 100

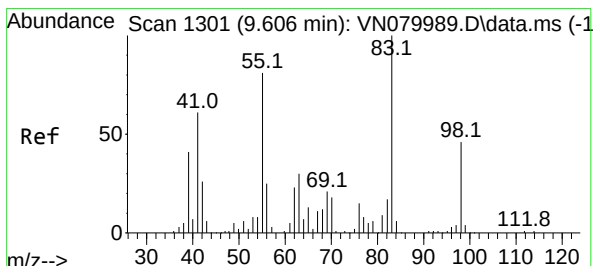
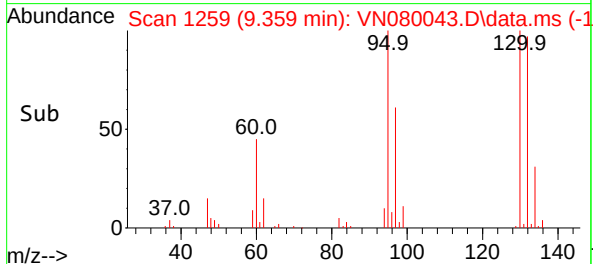
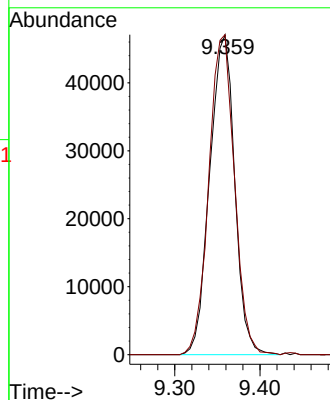
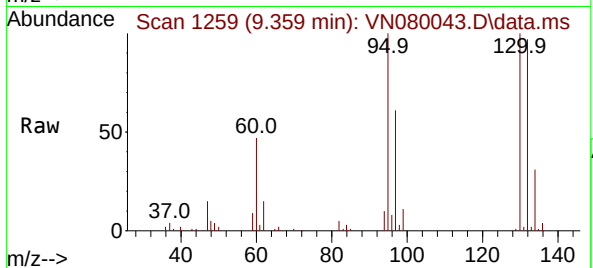
95 100.1 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#38

Methylcyclohexane

Concen: 16.419 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

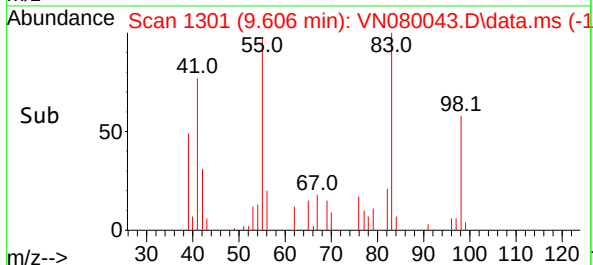
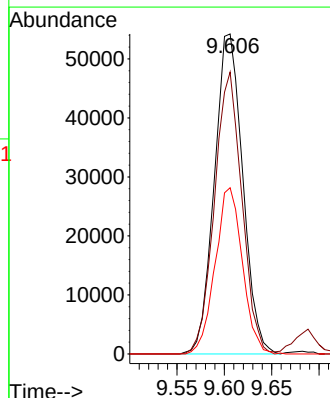
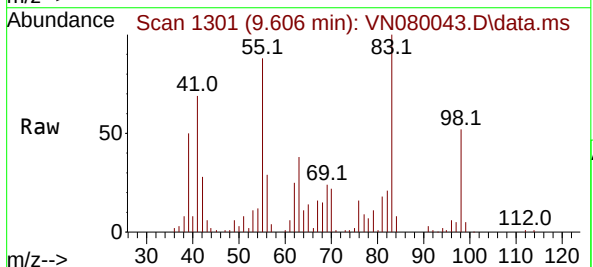
Tgt Ion: 83 Resp: 113066

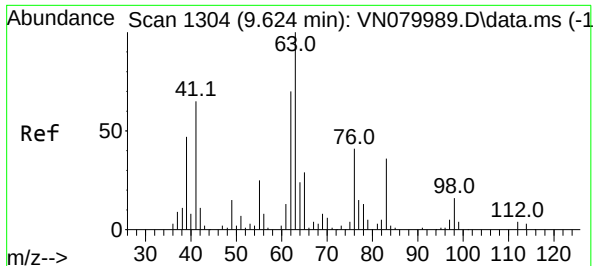
Ion Ratio Lower Upper

83 100

55 85.1 39.7 119.1

98 49.9 24.4 73.2





#39

1,2-Dichloropropane

Concen: 18.605 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.001 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 10728

Ion Ratio Lower Upper

63 100

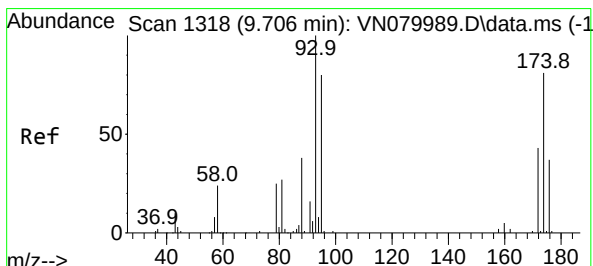
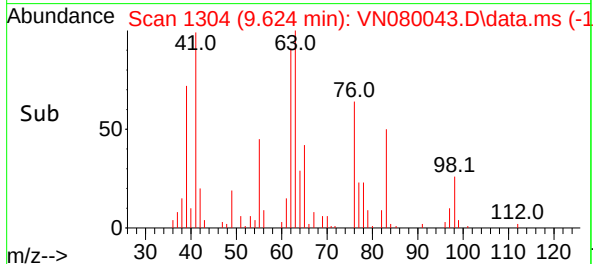
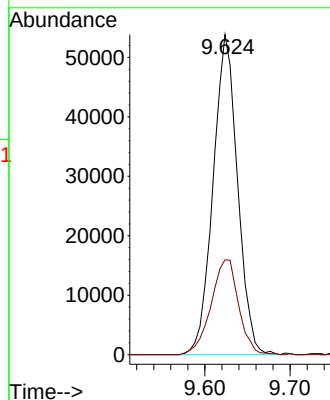
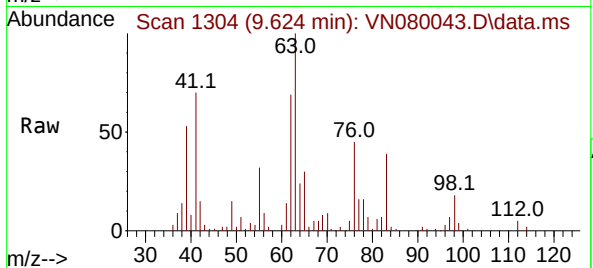
65 29.7 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#40

Dibromomethane

Concen: 19.220 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

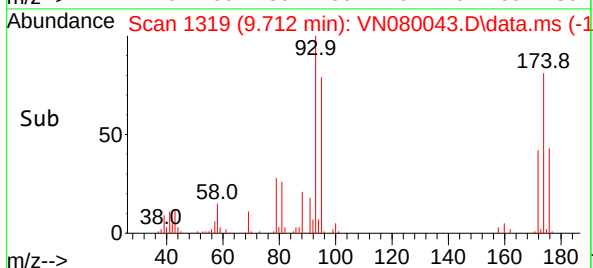
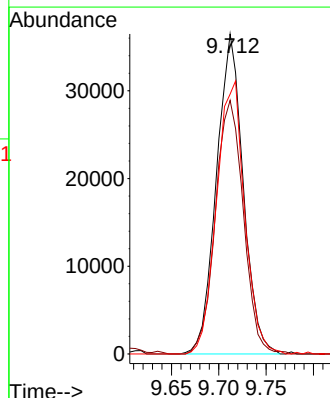
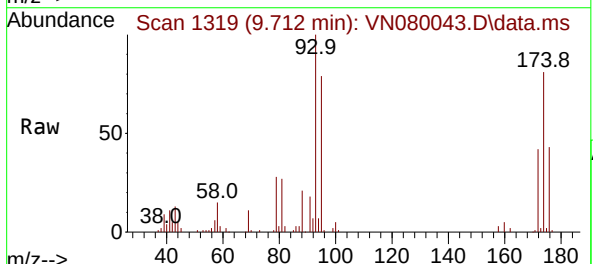
Tgt Ion: 93 Resp: 71638

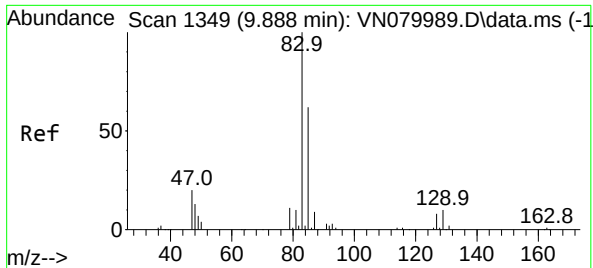
Ion Ratio Lower Upper

93 100

95 82.7 0.0 166.6

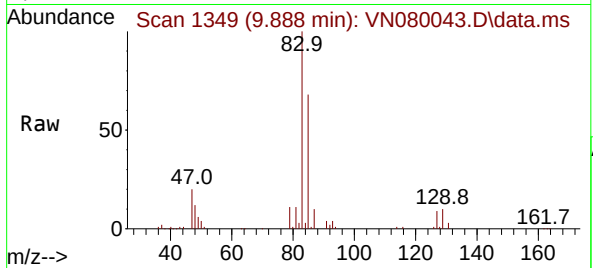
174 89.6 0.0 171.0





#41
Bromodichloromethane
Concen: 18.856 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

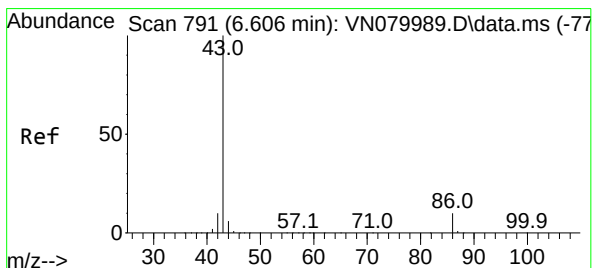
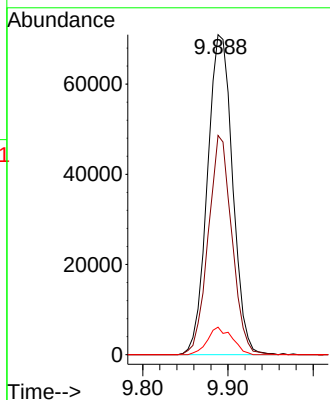
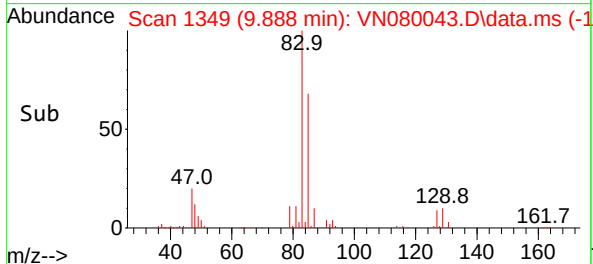
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 145562
Ion Ratio Lower Upper
83 100
85 68.5 50.3 75.5
127 8.6 6.8 10.2

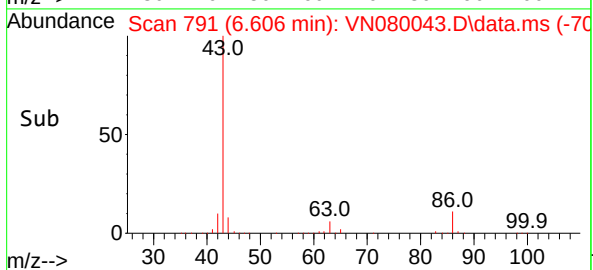
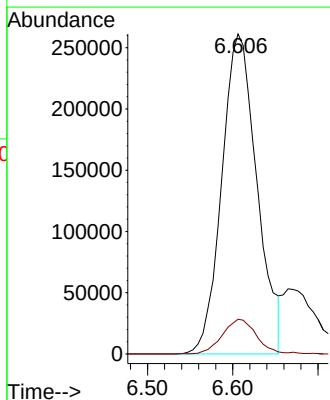
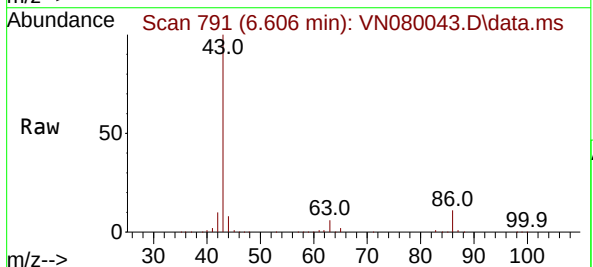
Manual Integrations
APPROVED

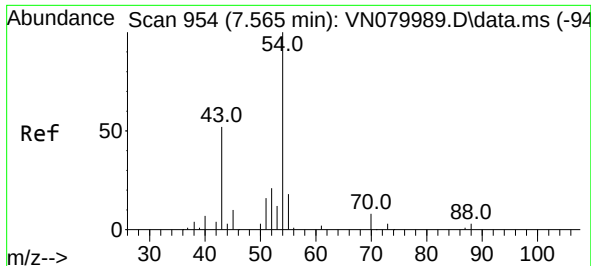
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#42
Vinyl Acetate
Concen: 86.088 ug/l
RT: 6.606 min Scan# 791
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 43 Resp: 748938
Ion Ratio Lower Upper
43 100
86 10.4 8.2 12.2





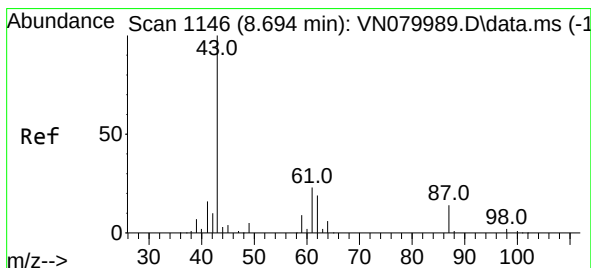
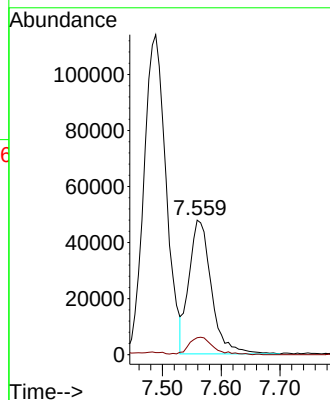
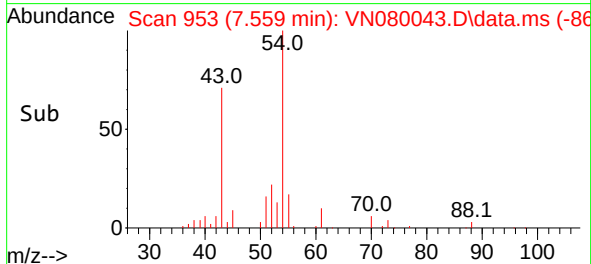
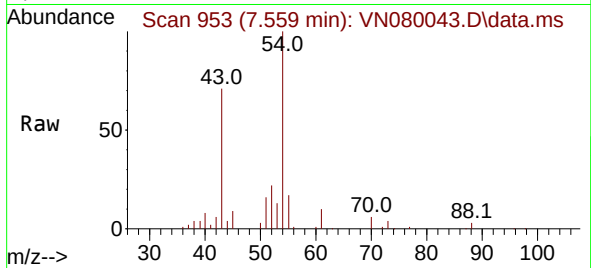
#43
Ethyl Acetate
Concen: 19.149 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 125990
Ion Ratio Lower Upper
43 100
45 12.0 11.8 17.8

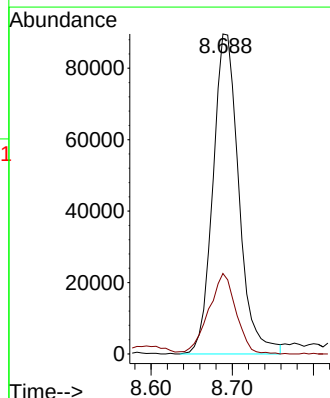
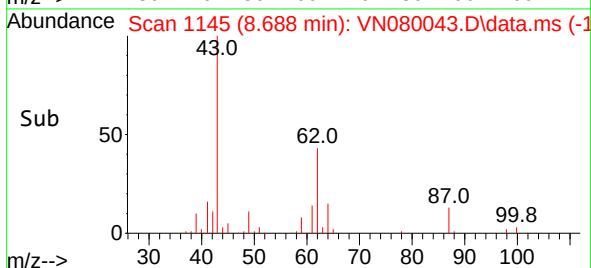
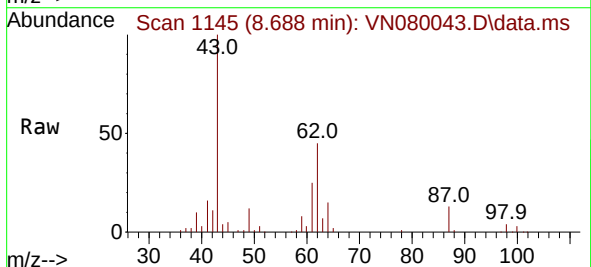
Manual Integrations
APPROVED

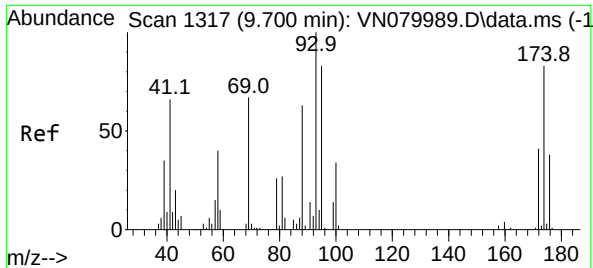
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#44
Isopropyl Acetate
Concen: 18.531 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

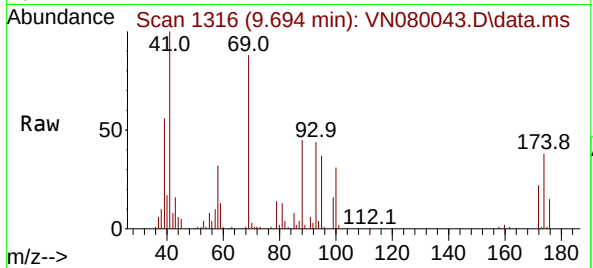
Tgt Ion: 43 Resp: 198669
Ion Ratio Lower Upper
43 100
61 26.6 20.3 30.5





#45
1,4-Dioxane
Concen: 391.557 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.012 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

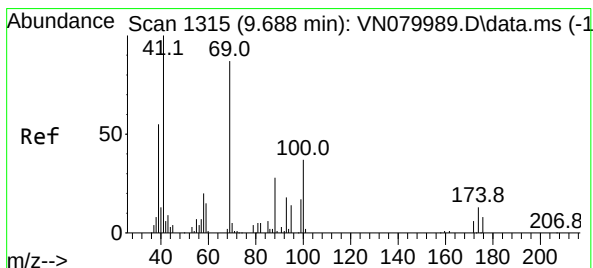
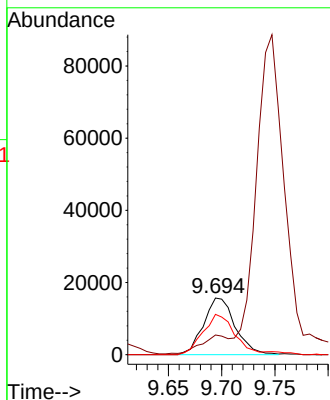
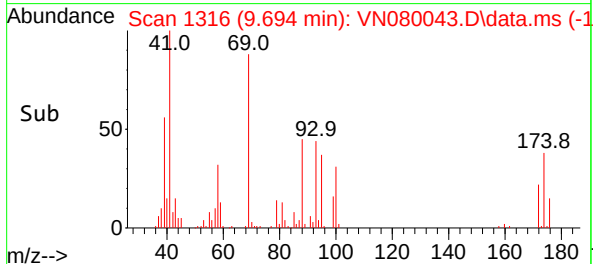
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



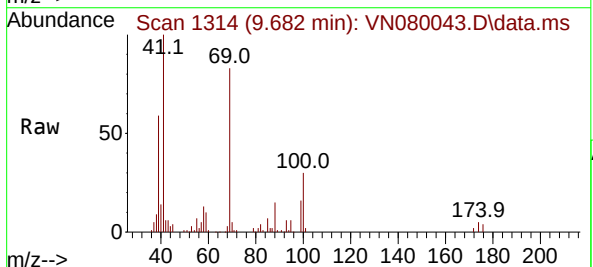
Tgt Ion: 88 Resp: 32350
Ion Ratio Lower Upper
88 100
43 27.9 28.7 43.1
58 70.8 56.9 85.3

Manual Integrations
APPROVED

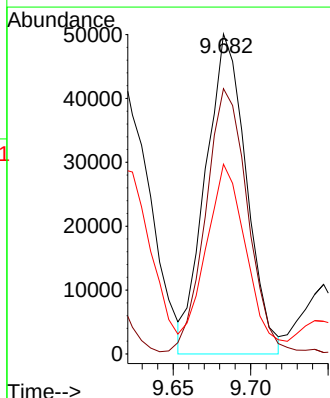
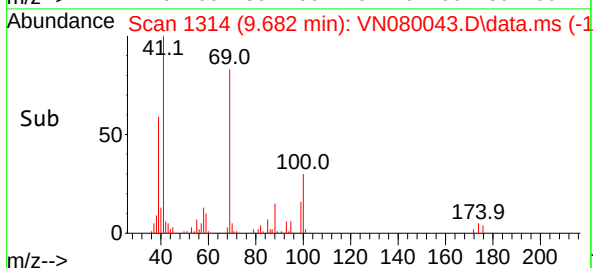
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023

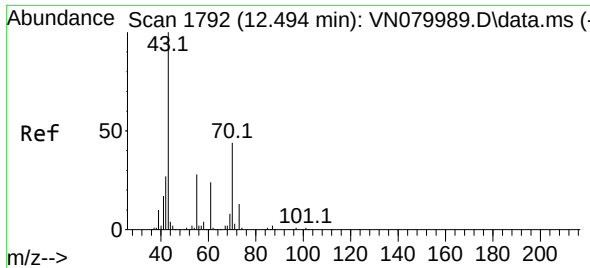


#46
Methyl methacrylate
Concen: 17.772 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20



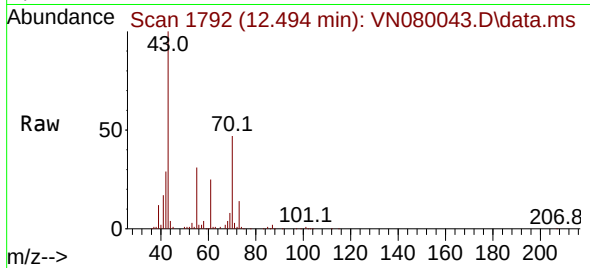
Tgt Ion: 41 Resp: 91590
Ion Ratio Lower Upper
41 100
69 84.2 40.0 119.9
39 58.0 31.1 93.3





#47
n-amy1 Acetate
Concen: 17.380 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

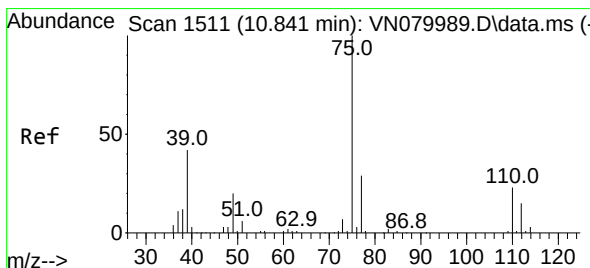
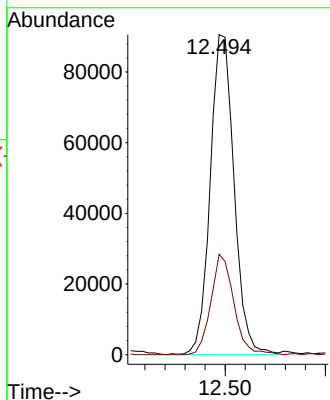
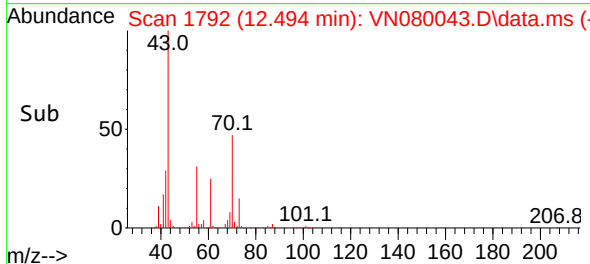
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



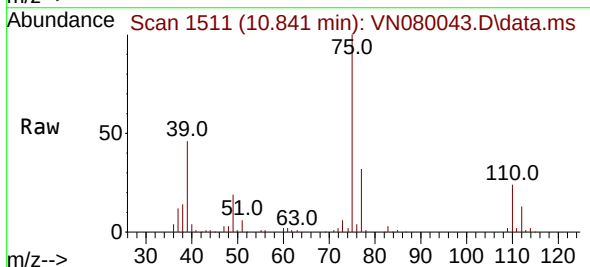
Tgt Ion: 43 Resp: 149670
Ion Ratio Lower Upper
43 100
55 30.0 20.7 31.1

Manual Integrations
APPROVED

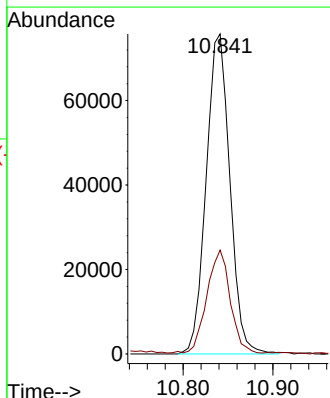
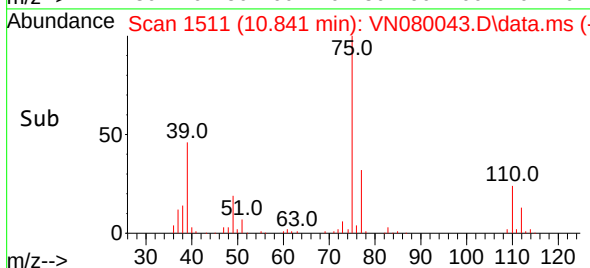
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023

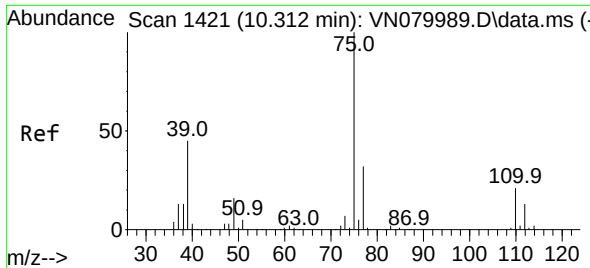


#48
t-1,3-Dichloropropene
Concen: 17.639 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20



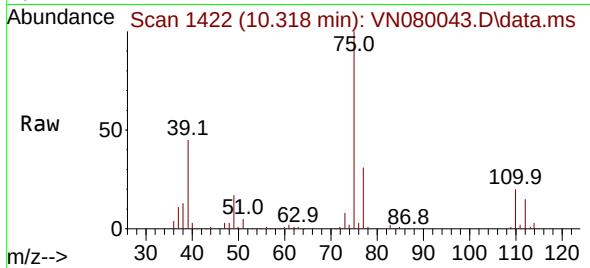
Tgt Ion: 75 Resp: 139065
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4





#49
cis-1,3-Dichloropropene
Concen: 18.182 ug/l
RT: 10.318 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

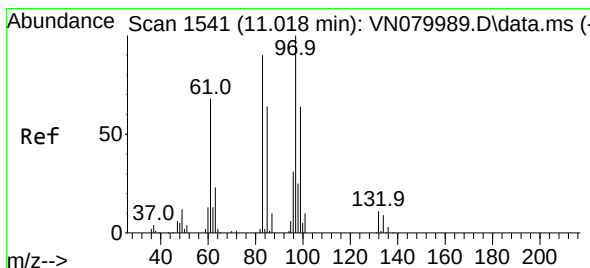
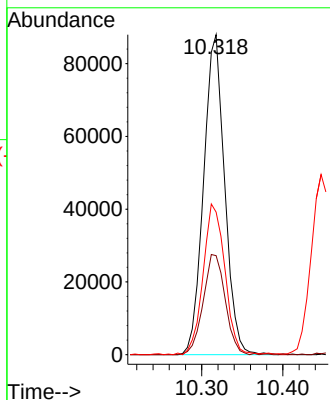
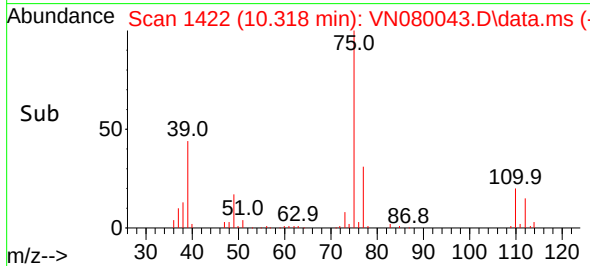
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 15846
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.6
39 44.3 42.4 63.6

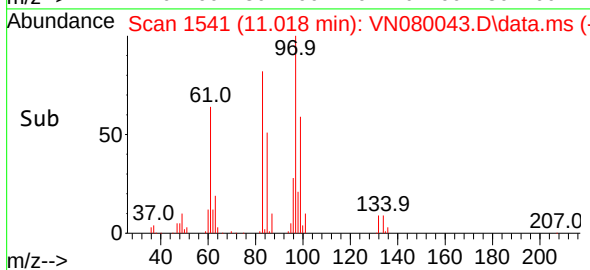
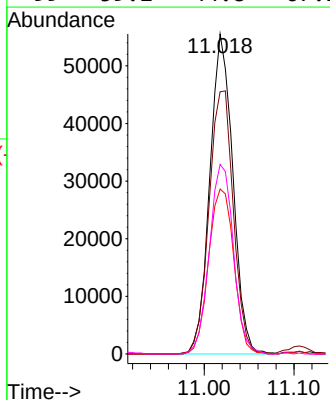
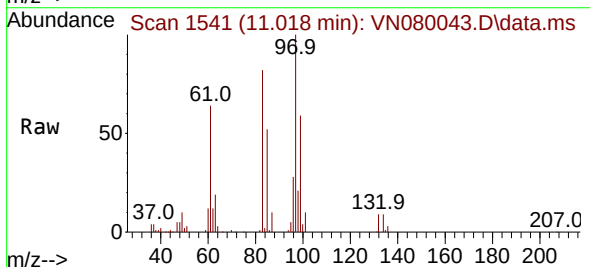
Manual Integrations
APPROVED

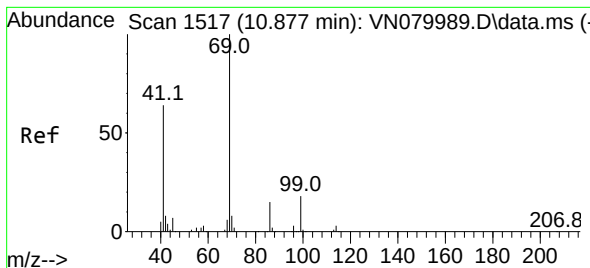
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#50
1,1,2-Trichloroethane
Concen: 19.471 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 97 Resp: 98997
Ion Ratio Lower Upper
97 100
83 82.0 68.2 102.4
85 51.5 42.9 64.3
99 59.2 44.8 67.2





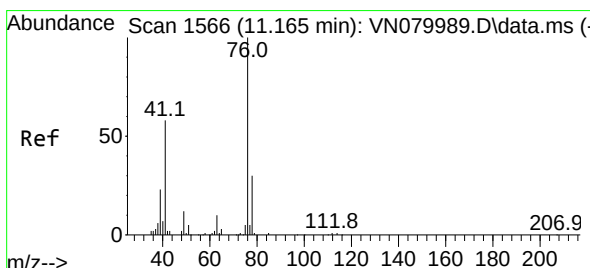
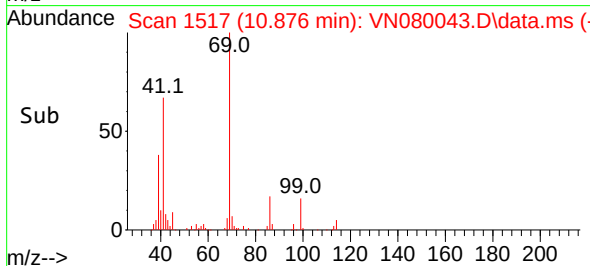
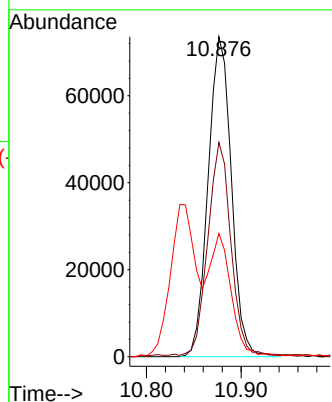
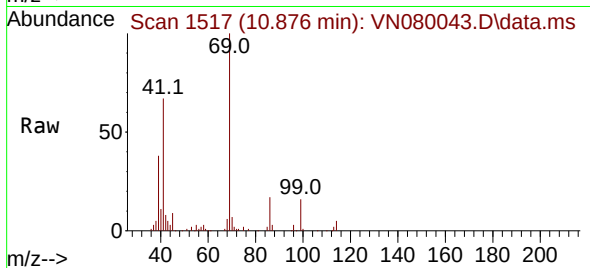
#51
Ethyl methacrylate
Concen: 17.211 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 69 Resp: 125770
Ion Ratio Lower Upper
69 100
41 66.5 33.8 101.3
39 38.1 21.3 63.9

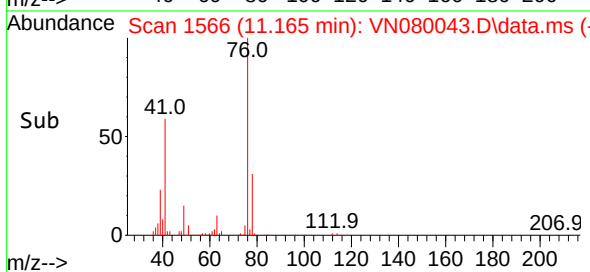
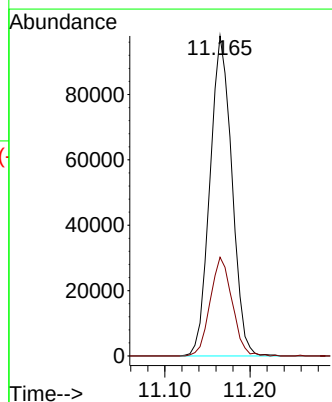
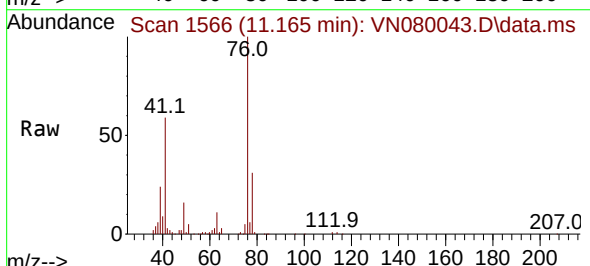
Manual Integrations
APPROVED

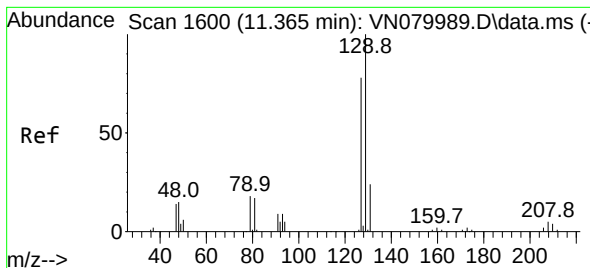
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#52
1,3-Dichloropropane
Concen: 19.294 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

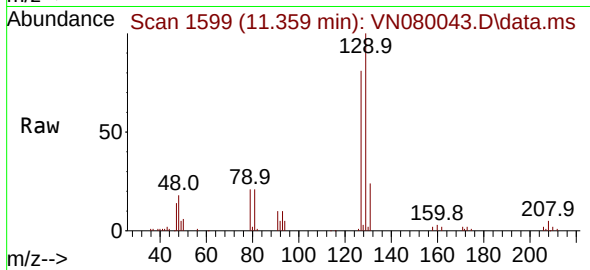
Tgt Ion: 76 Resp: 175384
Ion Ratio Lower Upper
76 100
78 30.9 0.0 64.0





#53
Dibromochloromethane
Concen: 18.677 ug/l
RT: 11.359 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

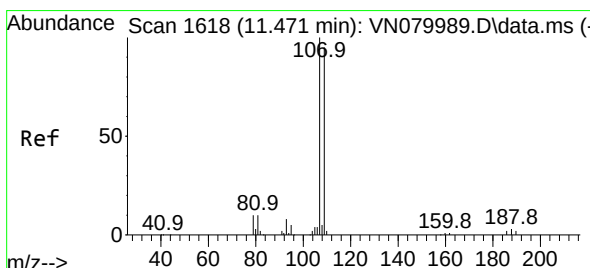
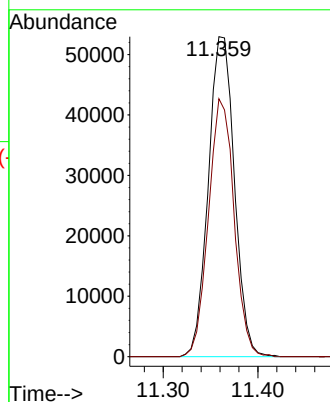
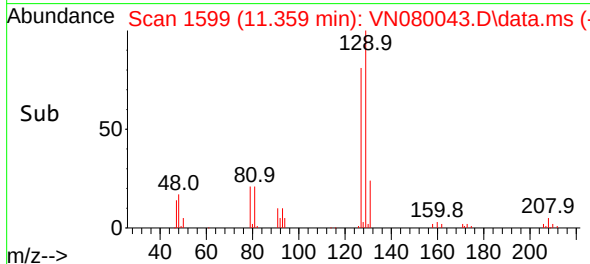
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:129 Resp: 10158
Ion Ratio Lower Upper
129 100
127 78.9 38.8 116.3

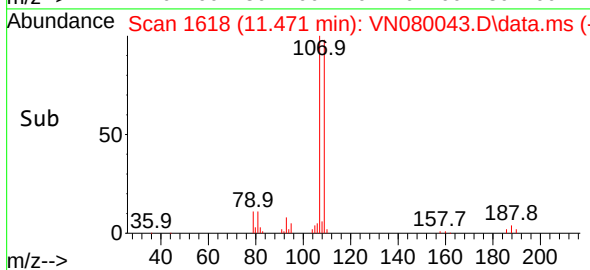
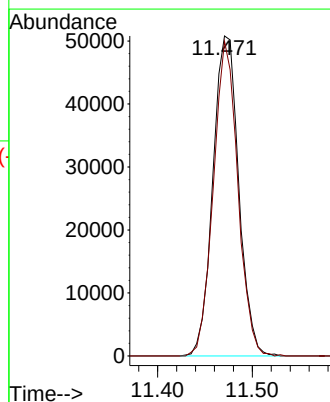
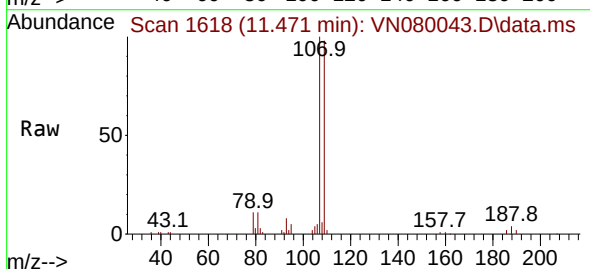
Manual Integrations
APPROVED

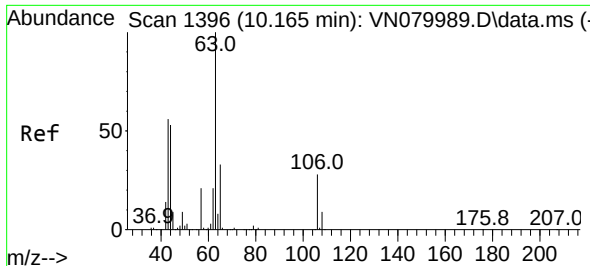
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#54
1,2-Dibromoethane
Concen: 18.862 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.001 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion:107 Resp: 96300
Ion Ratio Lower Upper
107 100
109 93.0 73.2 109.8





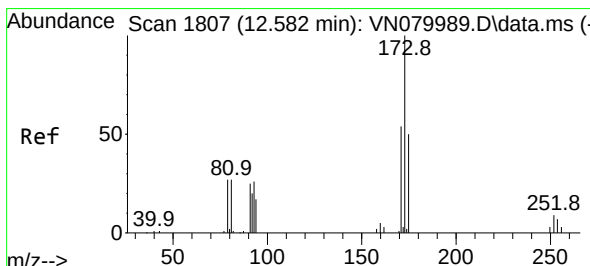
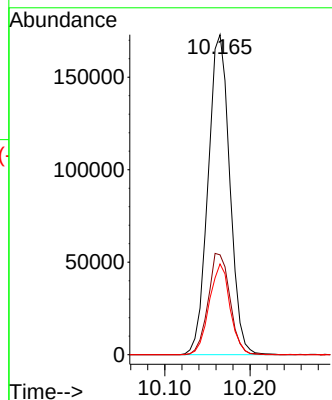
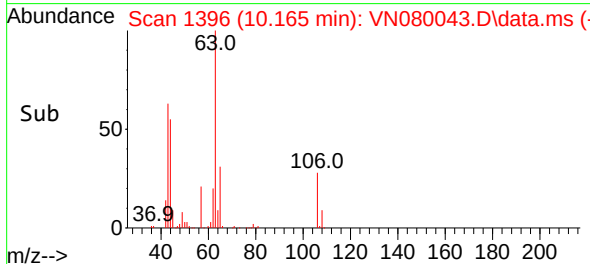
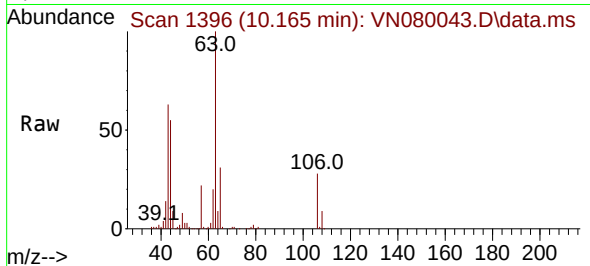
#55
2-Chloroethyl vinyl ether
Concen: 90.966 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 30575
Ion Ratio Lower Upper
63 100
65 31.8 25.9 38.9
106 27.3 20.6 30.8

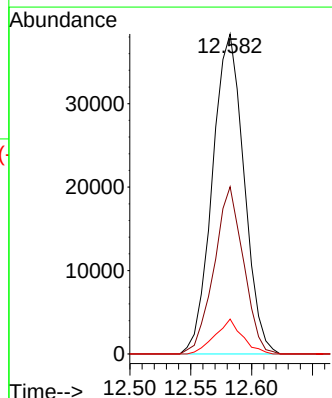
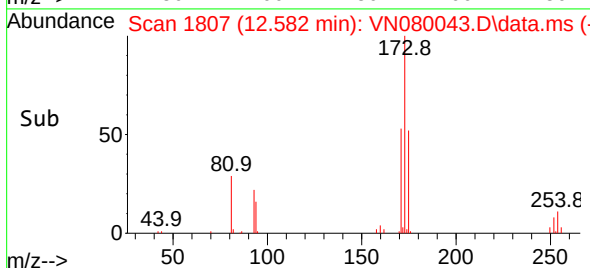
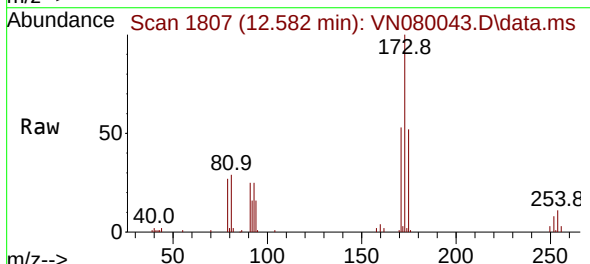
Manual Integrations
APPROVED

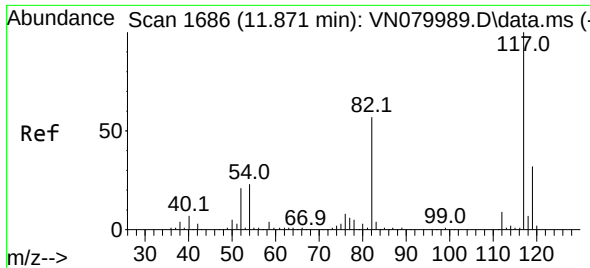
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#56
Bromoform
Concen: 19.413 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion:173 Resp: 69193
Ion Ratio Lower Upper
173 100
175 48.6 37.9 56.9
254 9.4 7.3 10.9





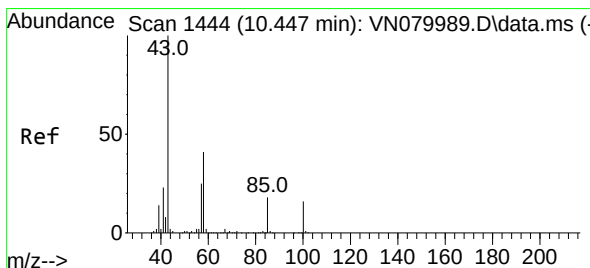
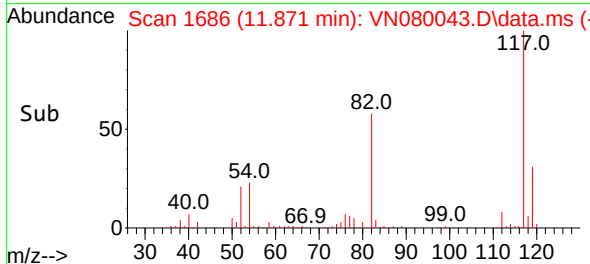
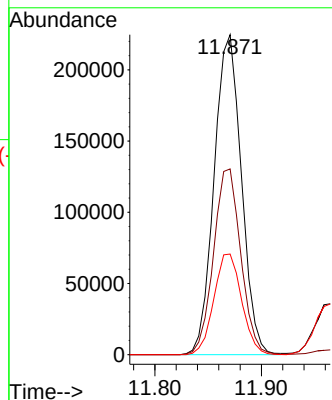
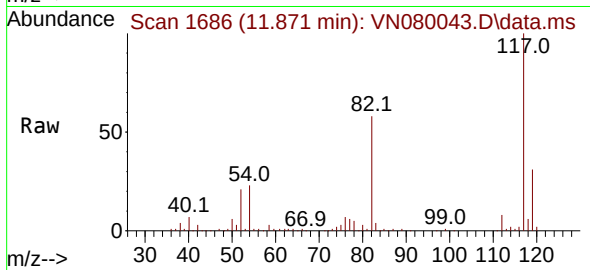
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1187
Delta R.T. 0.001 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 399659
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.2
119 32.0 25.2 37.8

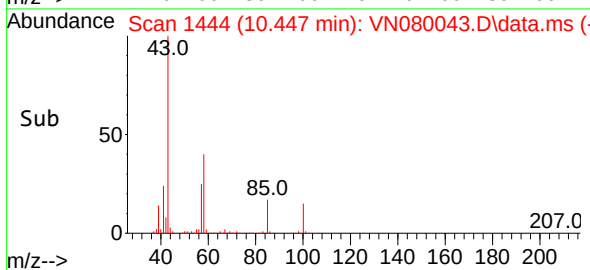
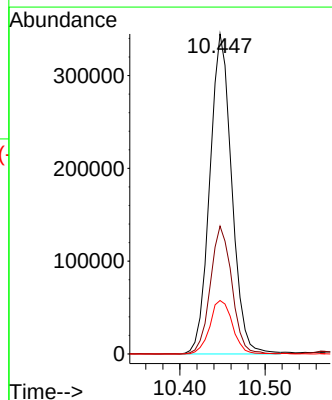
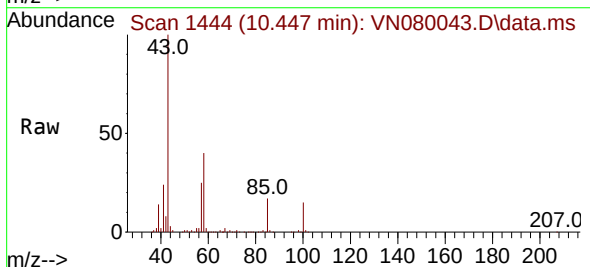
Manual Integrations
APPROVED

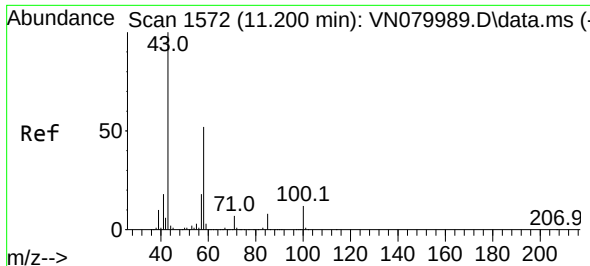
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#58
4-Methyl-2-Pentanone
Concen: 92.495 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

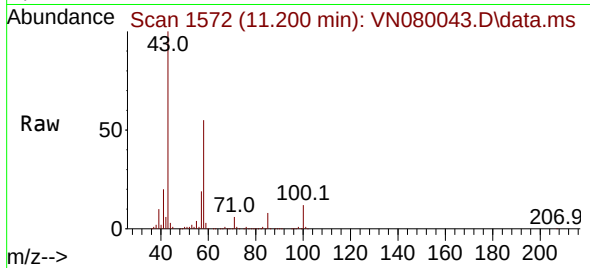
Tgt Ion: 43 Resp: 617583
Ion Ratio Lower Upper
43 100
58 39.1 30.4 45.6
85 17.3 13.2 19.8





#59
2-Hexanone
Concen: 87.333 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

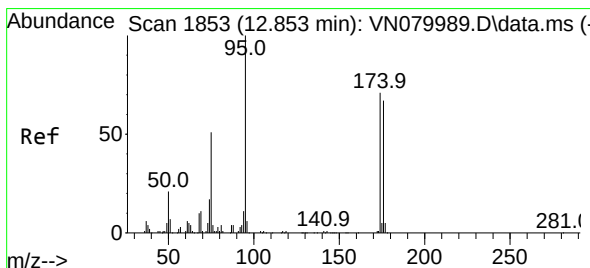
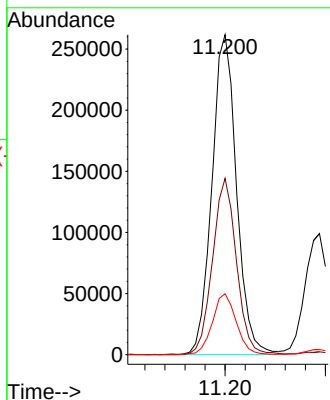
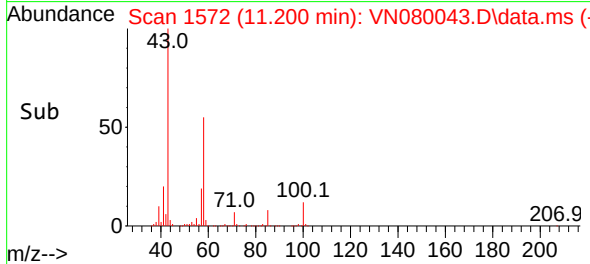
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 44420
Ion Ratio Lower Upper
43 100
58 53.7 42.3 63.5
57 18.6 13.9 20.9

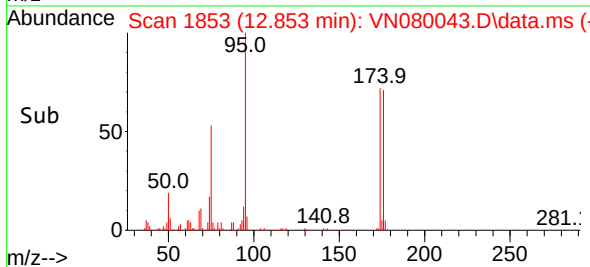
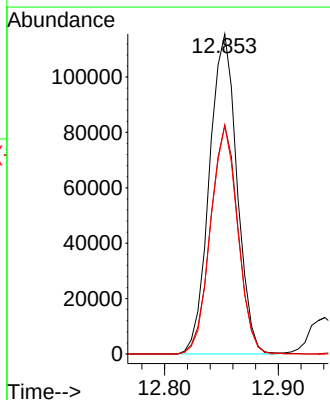
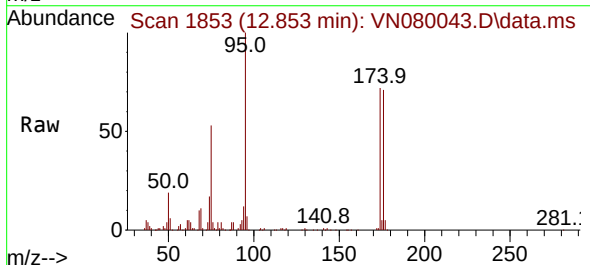
Manual Integrations
APPROVED

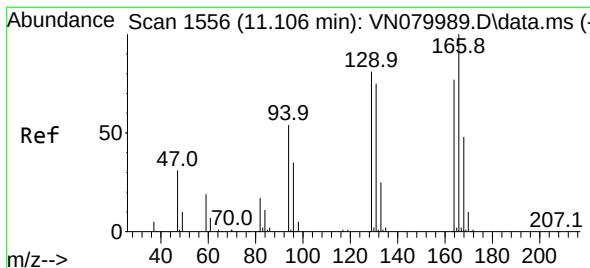
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#60
4-Bromofluorobenzene
Concen: 30.502 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

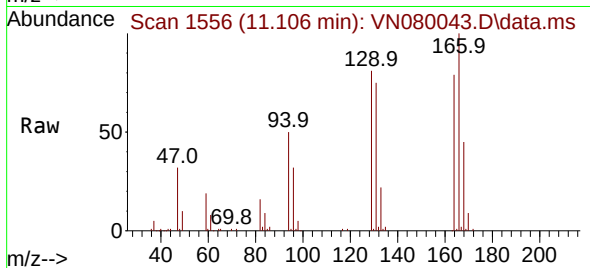
Tgt Ion: 95 Resp: 194944
Ion Ratio Lower Upper
95 100
174 71.2 60.5 90.7
176 69.8 57.2 85.8





#61
Tetrachloroethene
Concen: 18.322 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

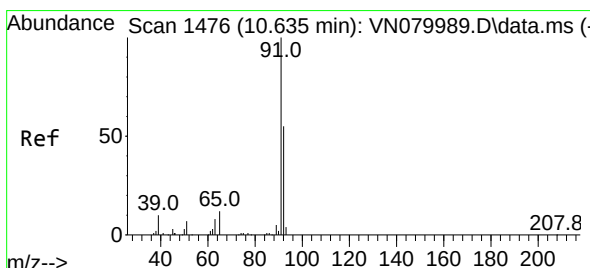
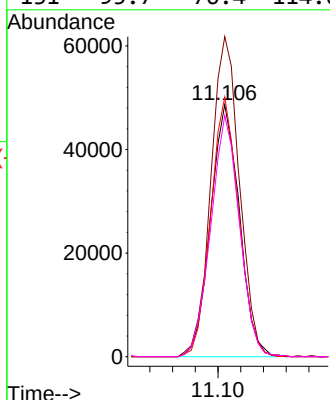
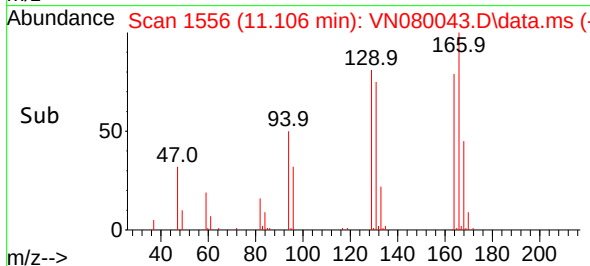
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:164 Resp: 8585
Ion Ratio Lower Upper
164 100
166 127.0 98.2 147.4
129 103.0 75.0 112.4
131 95.7 76.4 114.6

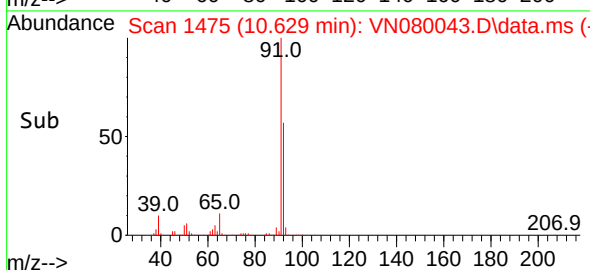
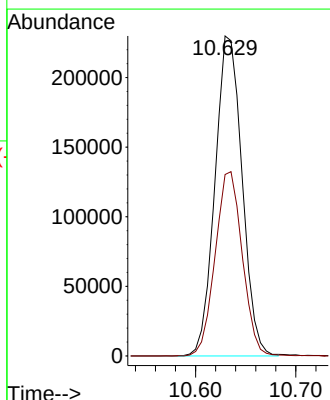
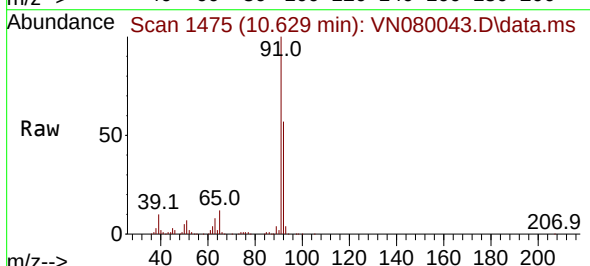
Manual Integrations
APPROVED

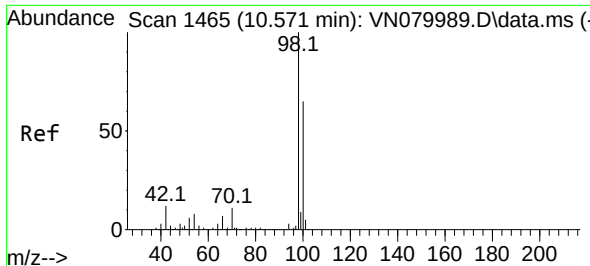
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#62
Toluene
Concen: 18.652 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 91 Resp: 431141
Ion Ratio Lower Upper
91 100
92 57.6 45.3 67.9





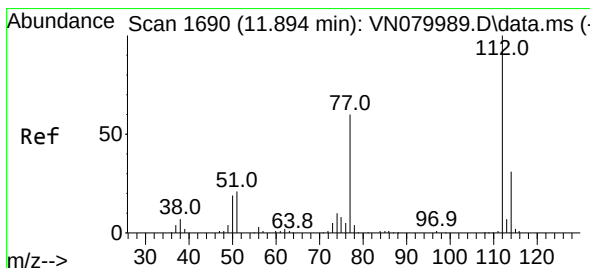
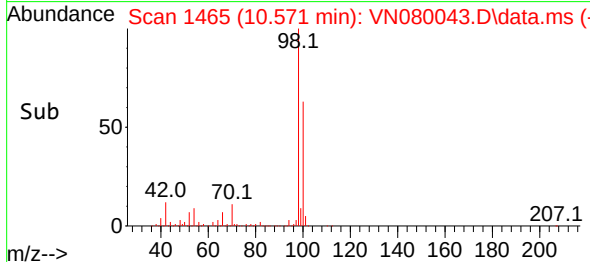
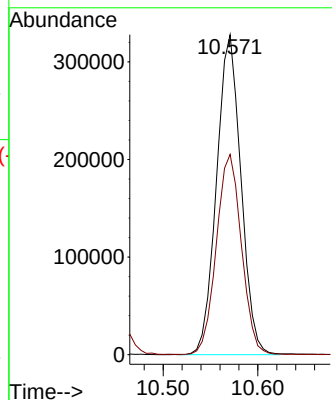
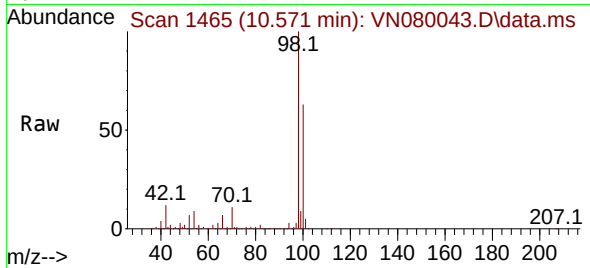
#63
Toluene-d8
Concen: 31.015 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 98 Resp: 587312
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

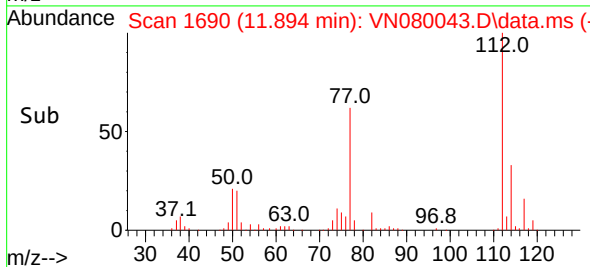
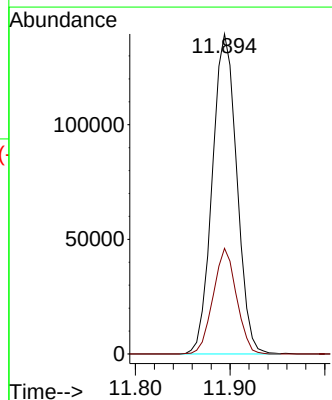
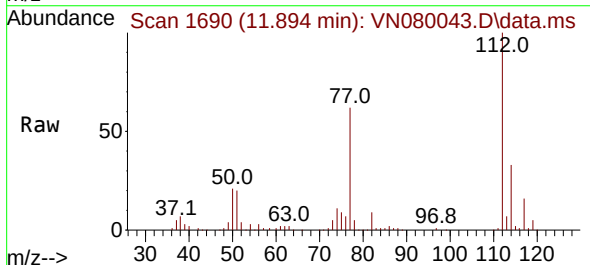
Manual Integrations
APPROVED

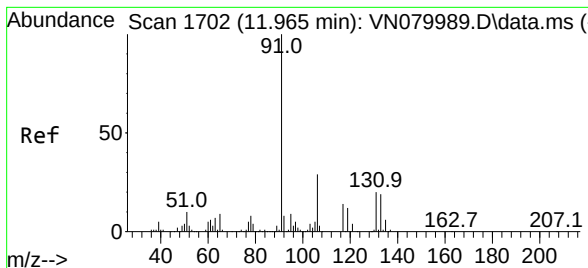
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#64
Chlorobenzene
Concen: 18.231 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion:112 Resp: 251480
Ion Ratio Lower Upper
112 100
114 33.0 28.1 42.1





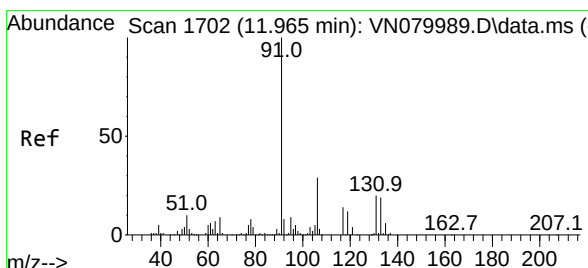
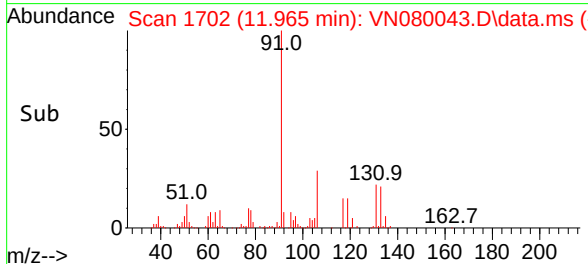
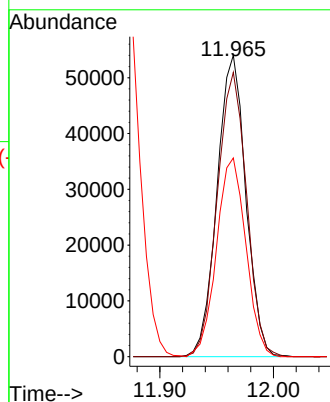
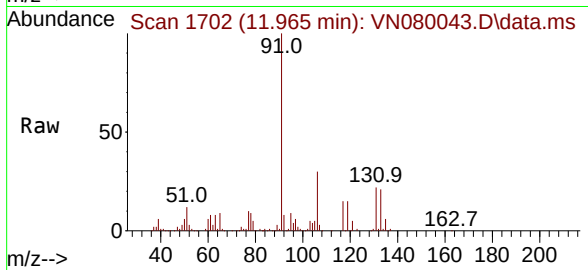
#65
1,1,1,2-Tetrachloroethane
Concen: 18.828 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:131 Resp: 95269
Ion Ratio Lower Upper
131 100
133 95.9 0.0 196.0
119 67.1 0.0 135.6

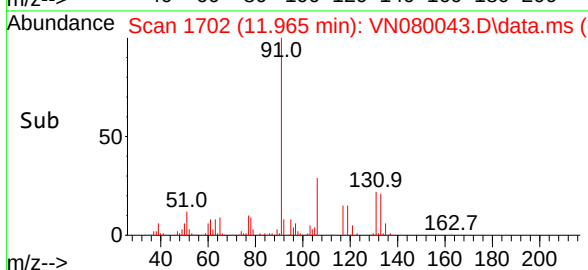
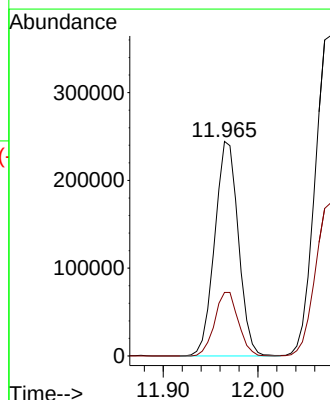
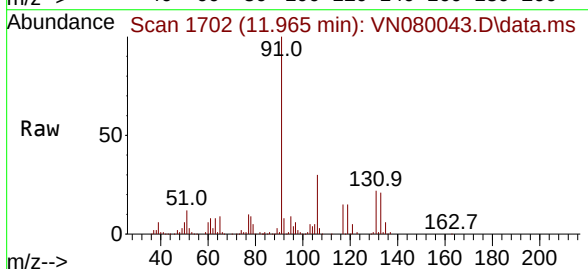
Manual Integrations
APPROVED

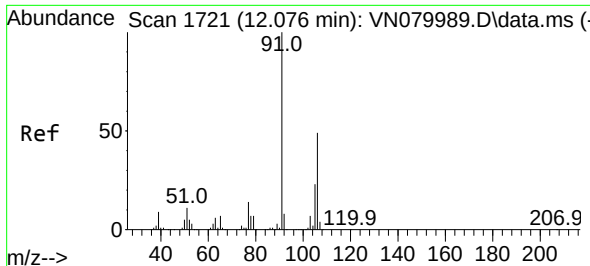
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#66
Ethyl Benzene
Concen: 17.491 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.005 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 91 Resp: 424855
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.8





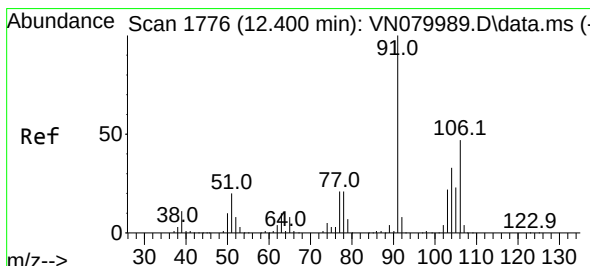
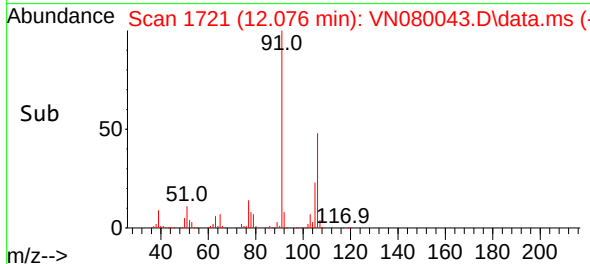
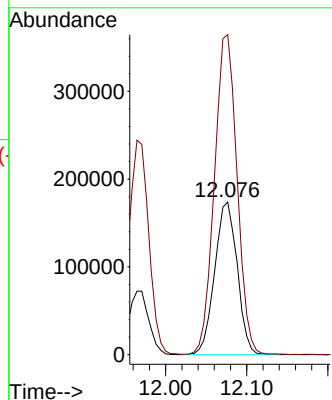
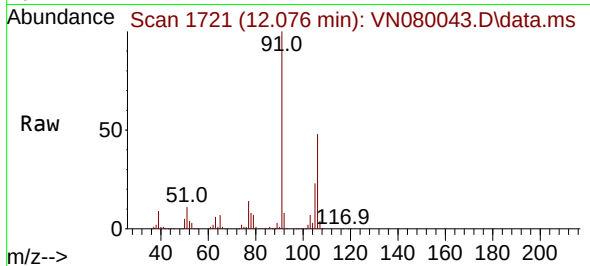
#67
m/p-Xylenes
Concen: 37.026 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 33483
Ion Ratio Lower Upper
106 100
91 210.9 161.8 242.6

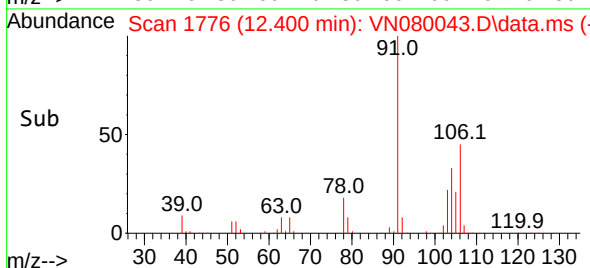
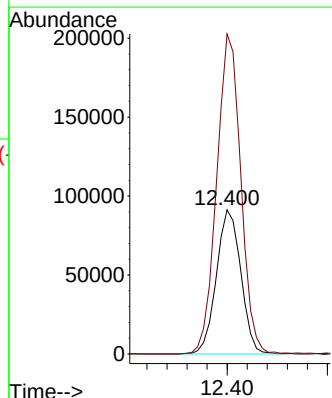
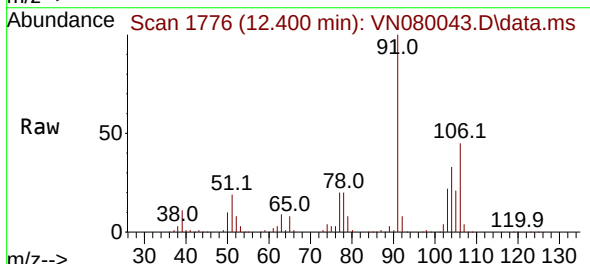
Manual Integrations
APPROVED

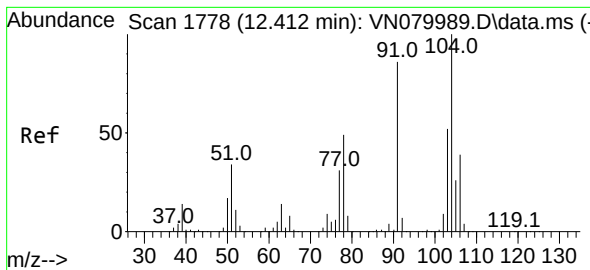
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#68
o-Xylene
Concen: 17.814 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion:106 Resp: 154407
Ion Ratio Lower Upper
106 100
91 219.5 109.9 329.7





#69

Styrene

Concen: 18.278 ug/l

RT: 12.418 min Scan# 1778

Delta R.T. 0.001 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:104 Resp: 262260

Ion Ratio Lower Upper

104 100

78 51.0 41.2 61.8

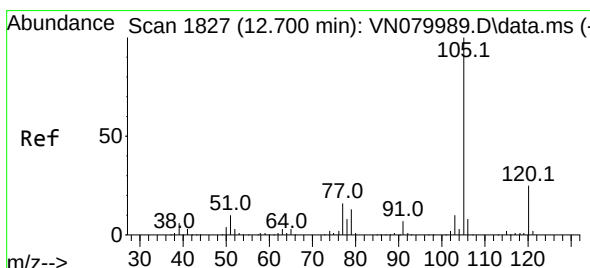
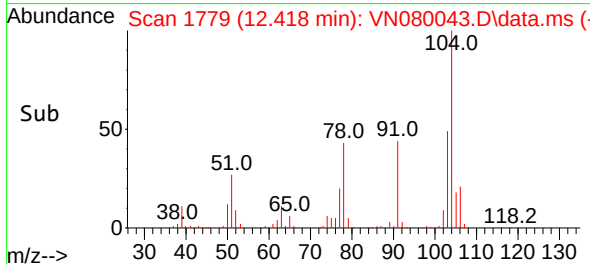
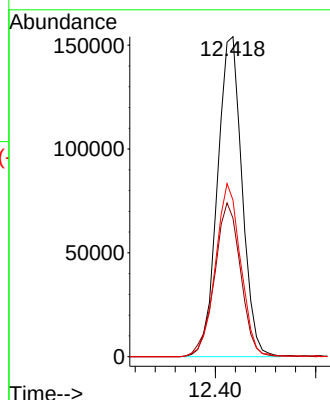
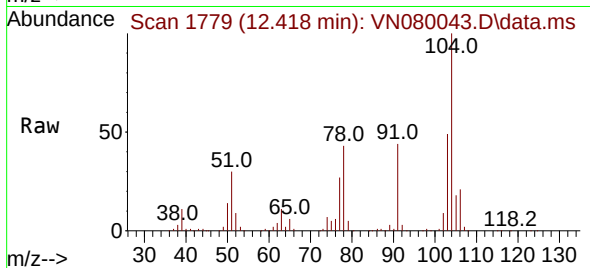
103 55.6 43.1 64.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#70

Isopropylbenzene

Concen: 17.632 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN080043.D

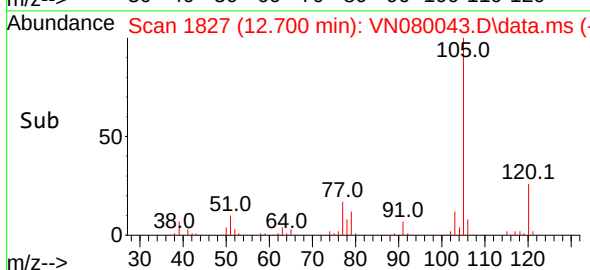
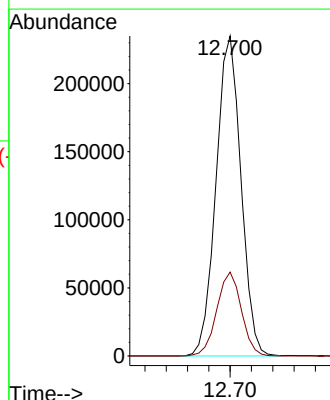
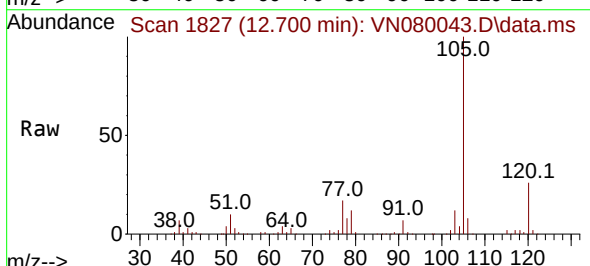
Acq: 10 Nov 2023 10:20

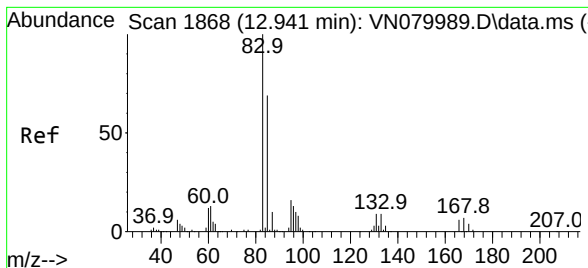
Tgt Ion:105 Resp: 381229

Ion Ratio Lower Upper

105 100

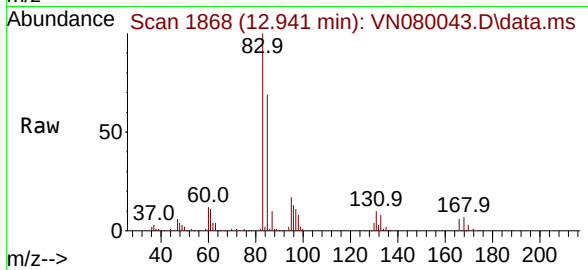
120 25.8 18.1 33.5





#71
1,1,2,2-Tetrachloroethane
Concen: 19.128 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

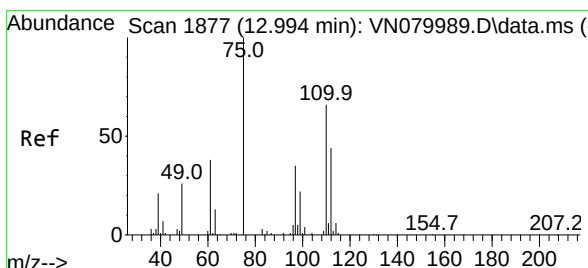
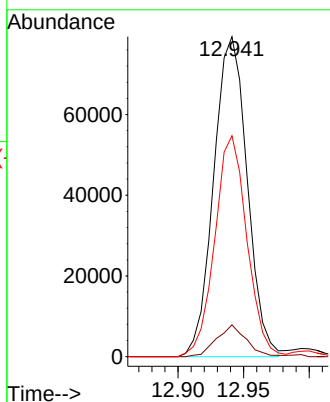
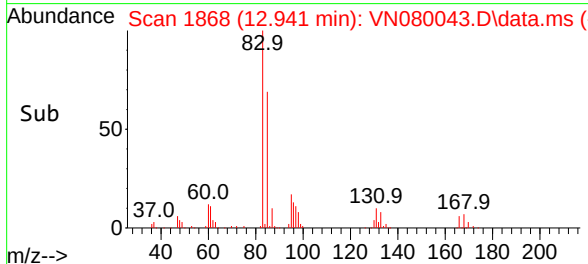
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



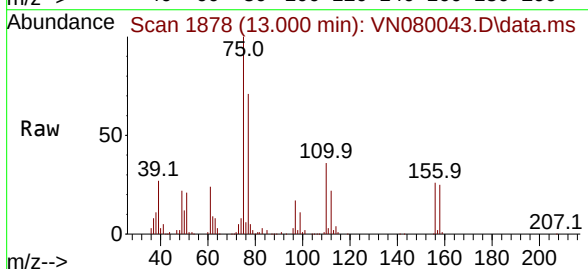
Tgt Ion: 83 Resp: 140863
Ion Ratio Lower Upper
83 100
131 8.8 4.5 13.4
85 66.1 32.1 96.3

Manual Integrations
APPROVED

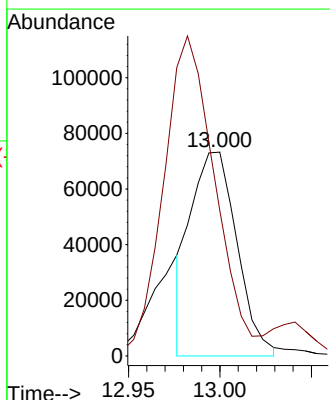
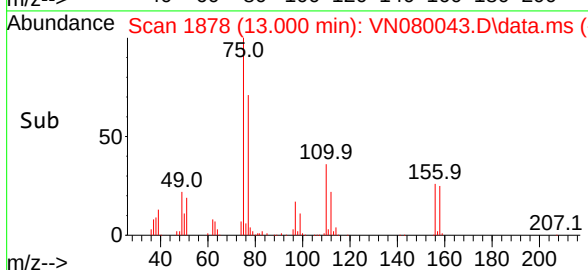
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023

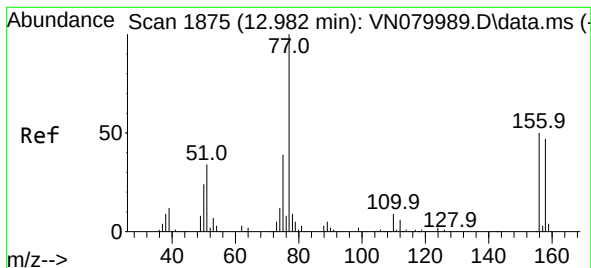


#72
1,2,3-Trichloropropane
Concen: 18.789 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. 0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20



Tgt Ion: 75 Resp: 128563
Ion Ratio Lower Upper
75 100
77 174.1 0.0 338.2





#73

Bromobenzene

Concen: 18.632 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

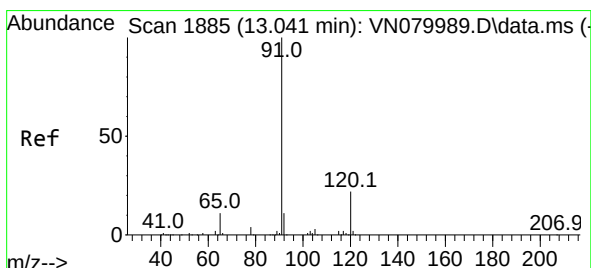
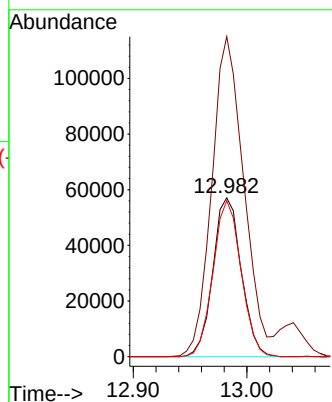
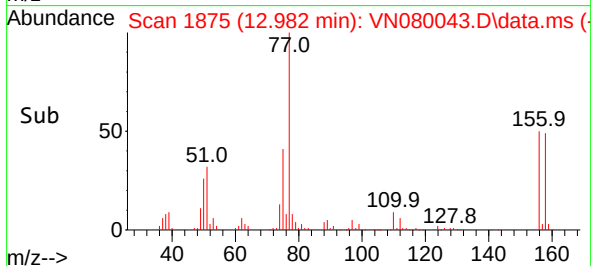
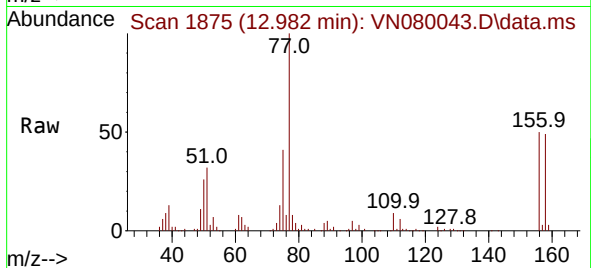
Tgt Ion:	156	Resp:	99039
Ion Ratio	Lower	Upper	
156	100		
77	226.0	0.0	448.2
158	97.1	0.0	194.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#74

n-propylbenzene

Concen: 17.943 ug/l

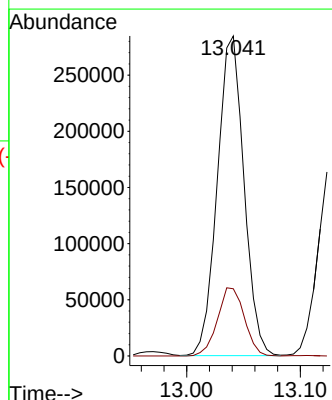
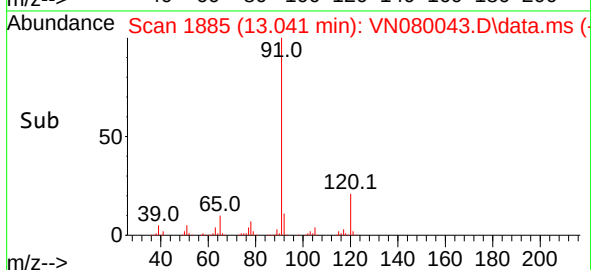
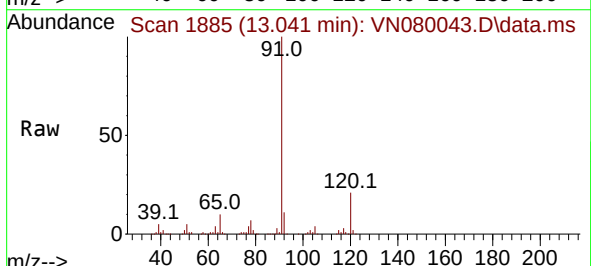
RT: 13.041 min Scan# 1885

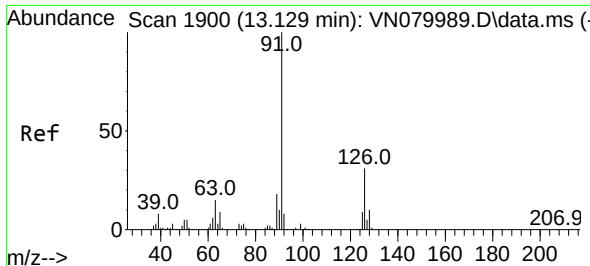
Delta R.T. 0.000 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

Tgt Ion:	91	Resp:	464092
Ion Ratio	Lower	Upper	
91	100		
120	21.5	0.0	42.0





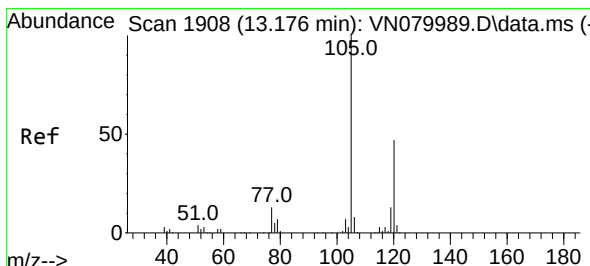
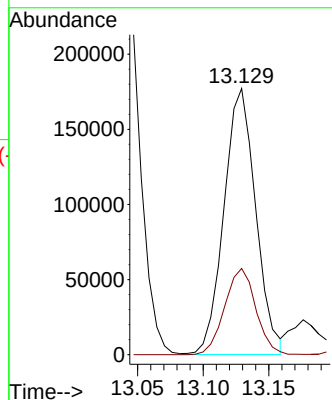
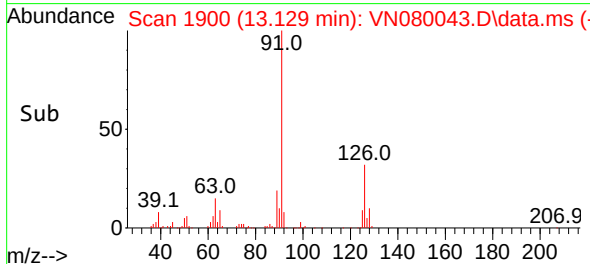
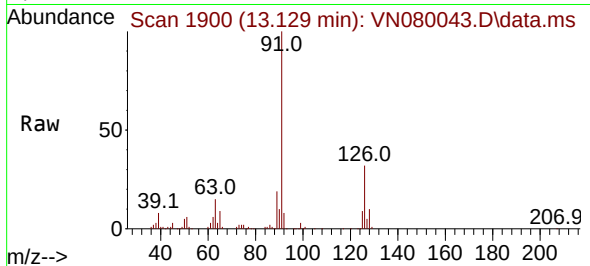
#75
2-Chlorotoluene
Concen: 18.158 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 298528
Ion Ratio Lower Upper
91 100
126 31.7 0.0 64.6

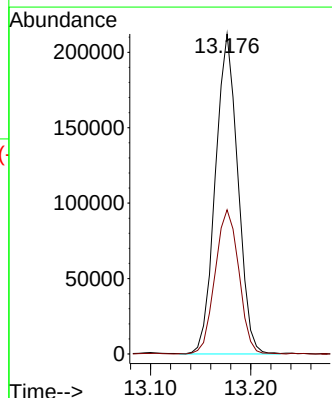
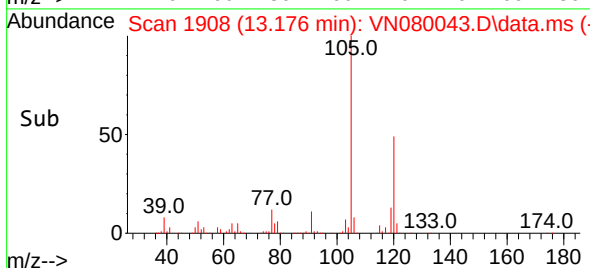
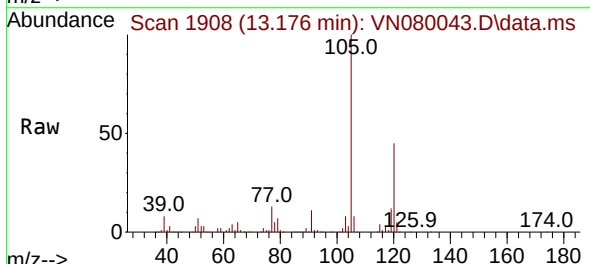
Manual Integrations
APPROVED

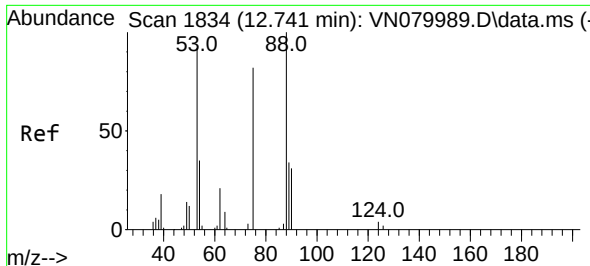
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#76
1,3,5-Trimethylbenzene
Concen: 18.491 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion:105 Resp: 330669
Ion Ratio Lower Upper
105 100
120 47.6 0.0 93.2





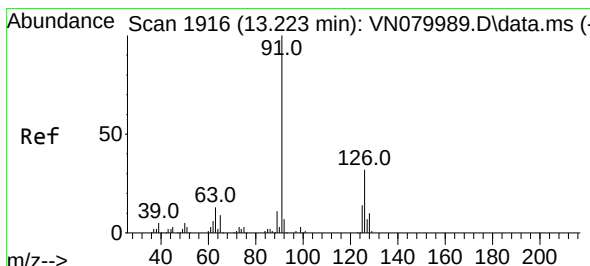
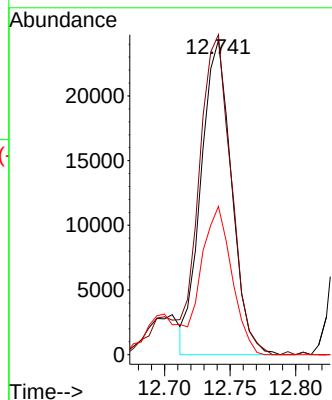
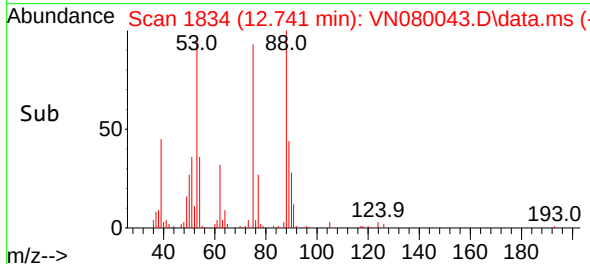
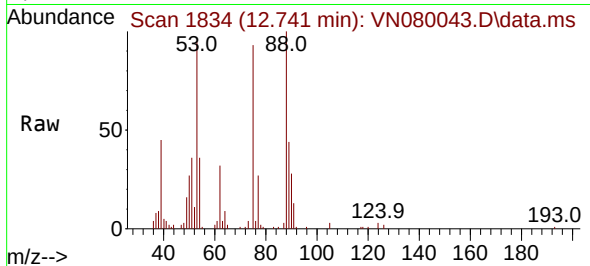
#77
t-1,4-Dichloro-2-butene
Concen: 17.609 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 3945
Ion Ratio Lower Upper
75 100
53 101.8 53.0 159.1
89 47.2 22.6 67.7

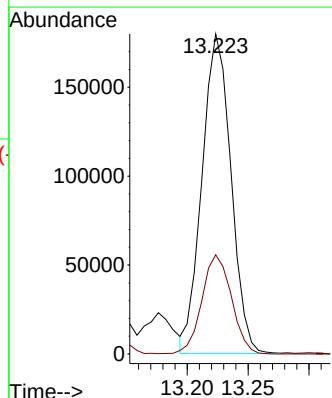
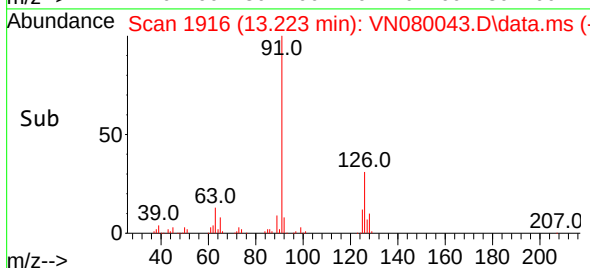
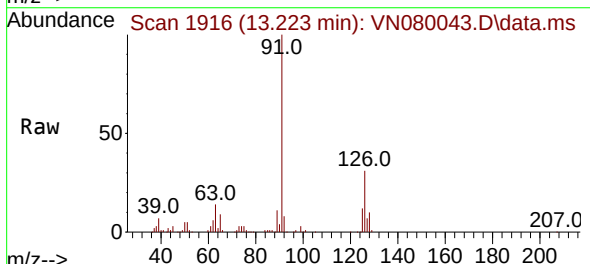
Manual Integrations
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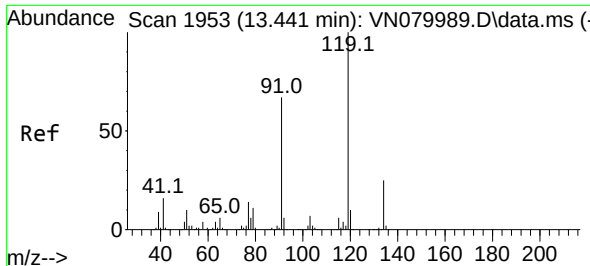
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#78
4-Chlorotoluene
Concen: 18.210 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 91 Resp: 297338
Ion Ratio Lower Upper
91 100
126 31.7 0.0 65.4





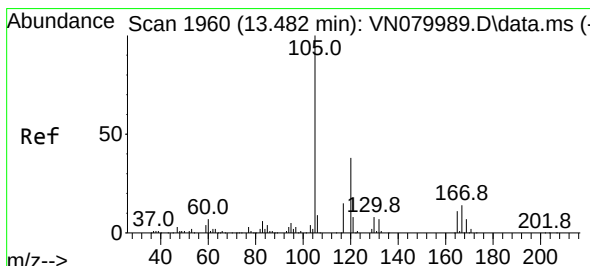
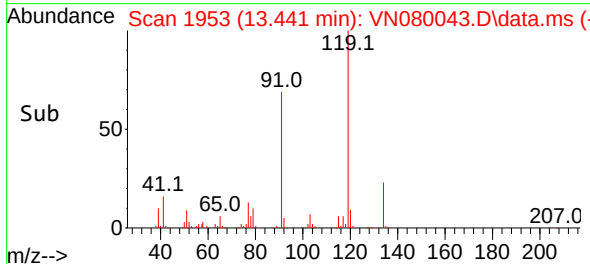
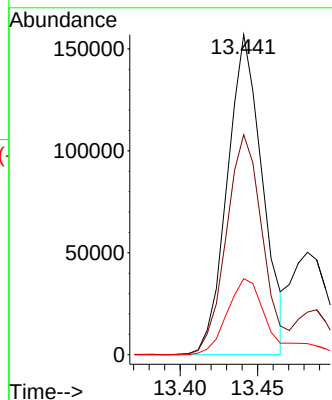
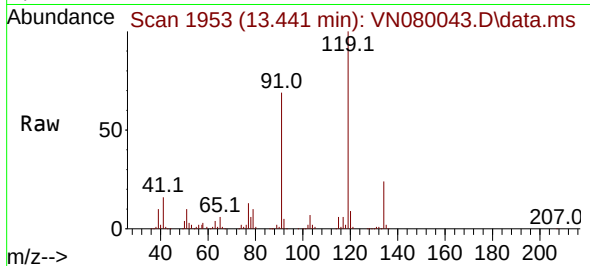
#79
tert-butylbenzene
Concen: 17.680 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 247612
Ion Ratio Lower Upper
119 100
91 71.7 0.0 140.6
134 25.3 0.0 49.8

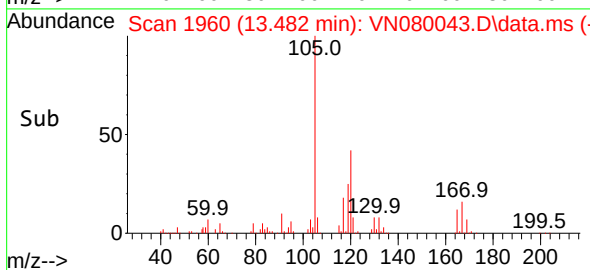
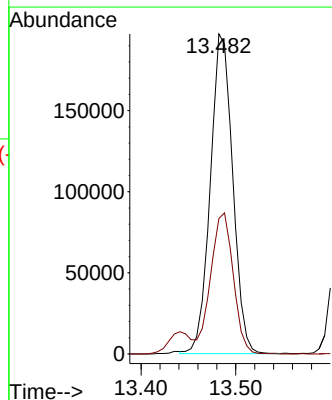
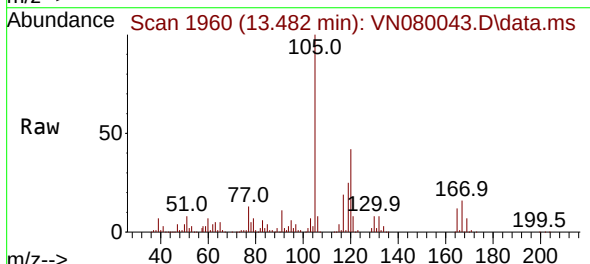
Manual Integrations
APPROVED

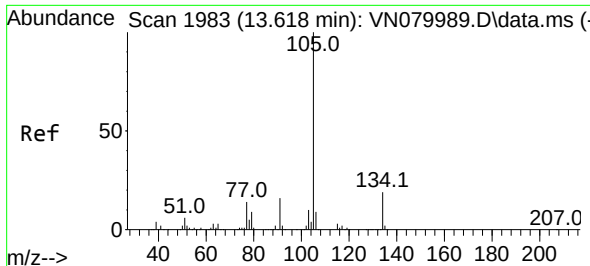
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#80
1,2,4-Trimethylbenzene
Concen: 18.469 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion:105 Resp: 323855
Ion Ratio Lower Upper
105 100
120 44.2 0.0 88.6





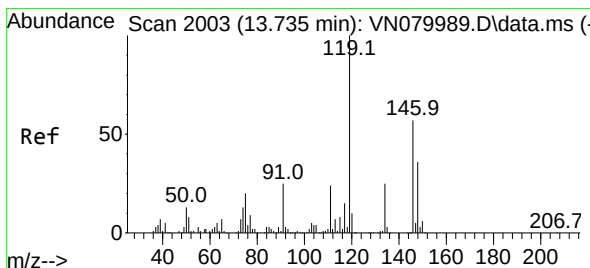
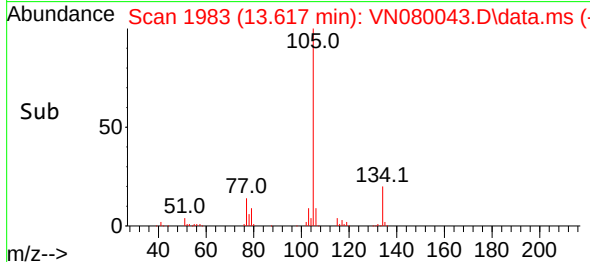
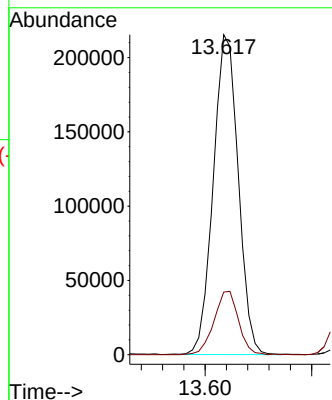
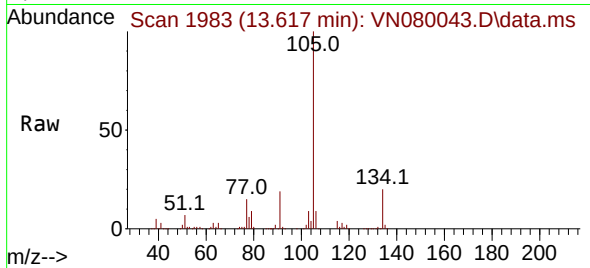
#81
 sec-Butylbenzene
 Concen: 17.736 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN080043.D
 Acq: 10 Nov 2023 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:105 Resp: 350624
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 38.2

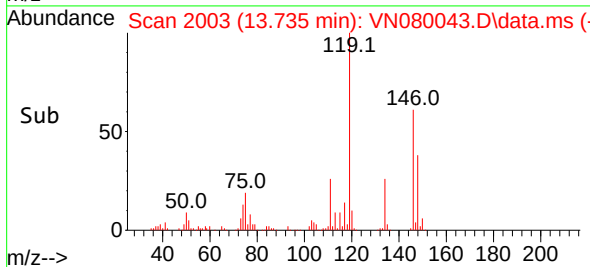
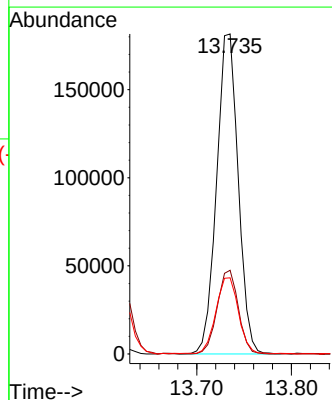
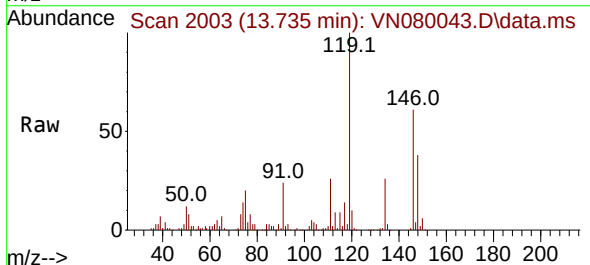
Manual Integrations
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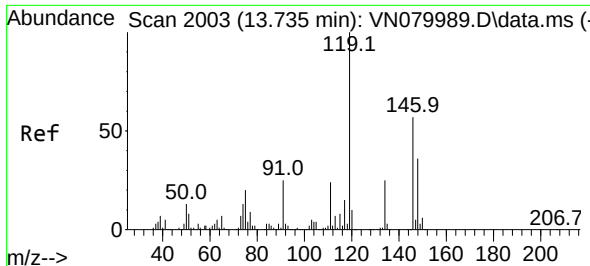
Reviewed By :John Carlone 11/13/2023
 Supervised By :Mahesh Dadoda 11/13/2023



#82
 p-Isopropyltoluene
 Concen: 17.954 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN080043.D
 Acq: 10 Nov 2023 10:20

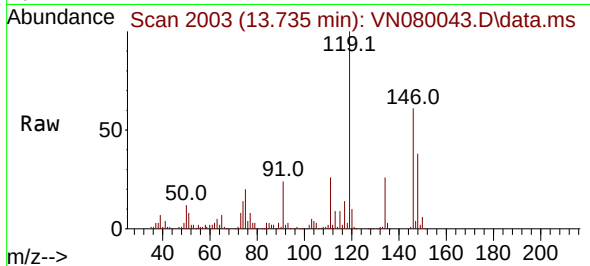
Tgt Ion:119 Resp: 288257
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 52.2
 91 24.7 0.0 50.0





#83
 1,3-Dichlorobenzene
 Concen: 18.605 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN080043.D
 Acq: 10 Nov 2023 10:20

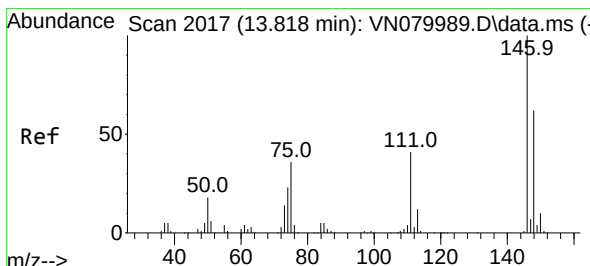
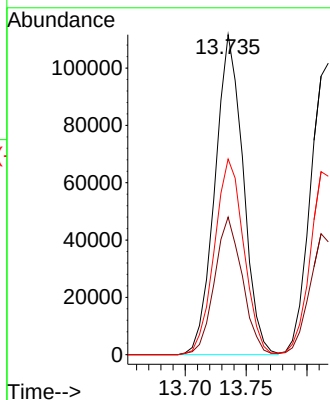
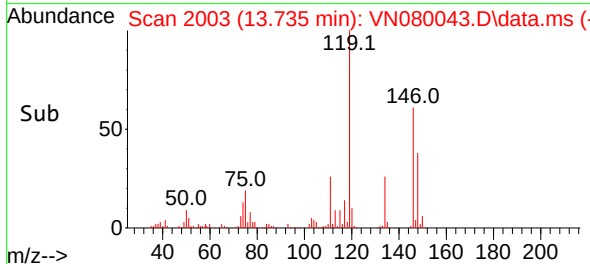
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



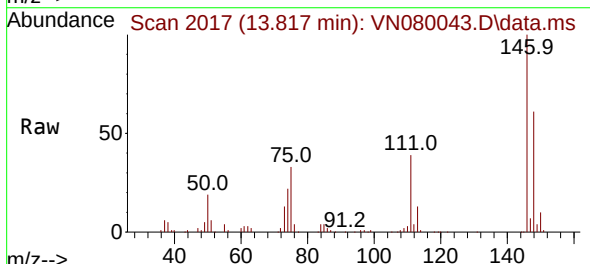
Tgt Ion:146 Resp: 180204
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.0 63.0
 148 63.5 32.4 97.0

Manual Integrations
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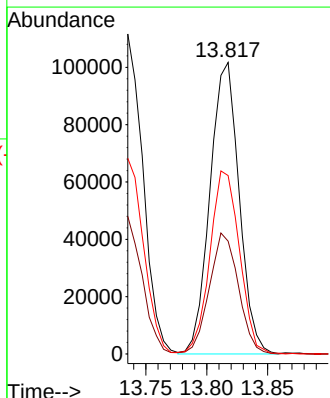
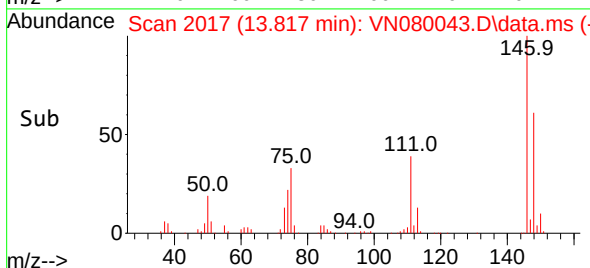
Reviewed By :John Carlone 11/13/2023
 Supervised By :Mahesh Dadoda 11/13/2023

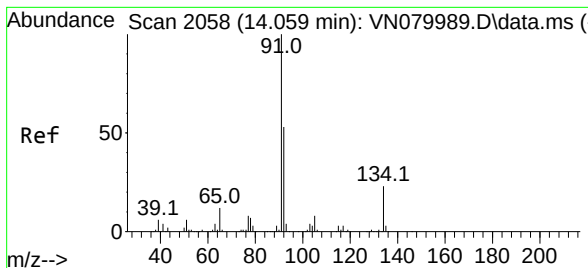


#84
 1,4-Dichlorobenzene
 Concen: 17.851 ug/l
 RT: 13.817 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: VN080043.D
 Acq: 10 Nov 2023 10:20



Tgt Ion:146 Resp: 169708
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.9 59.7
 148 63.9 32.6 97.7





#85

n-Butylbenzene

Concen: 16.899 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

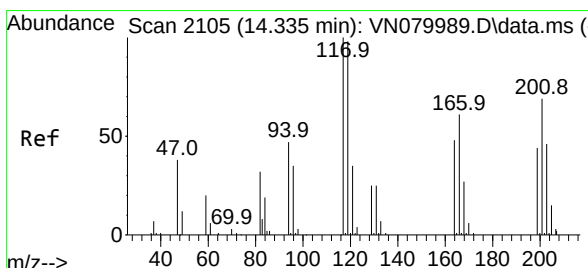
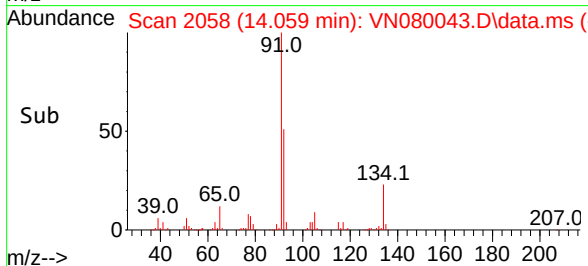
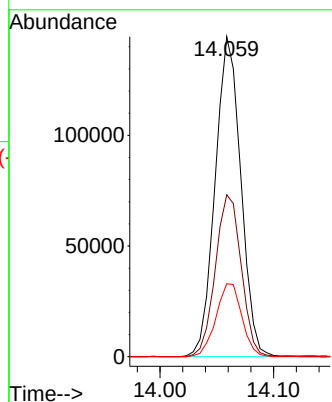
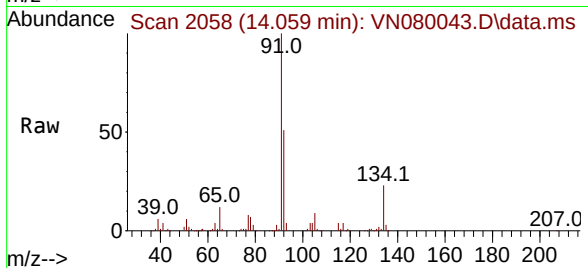
Tgt Ion:	91	Resp:	226918
Ion Ratio	Lower	Upper	
91	100		
92	51.0	0.0	99.6
134	23.0	0.0	46.2

Manual Integrations

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Reviewed By :John Carlone 11/13/2023

Supervised By :Mahesh Dadoda 11/13/2023



#86

Hexachloroethane

Concen: 18.247 ug/l

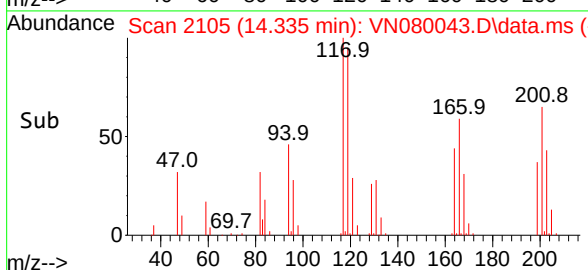
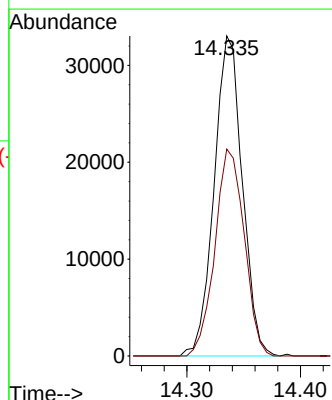
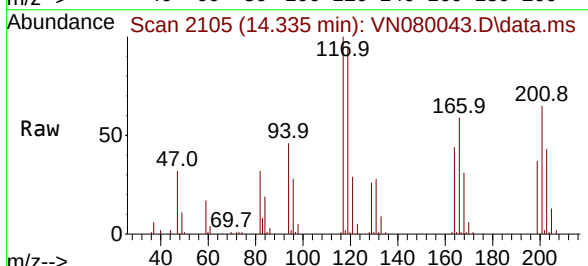
RT: 14.335 min Scan# 2105

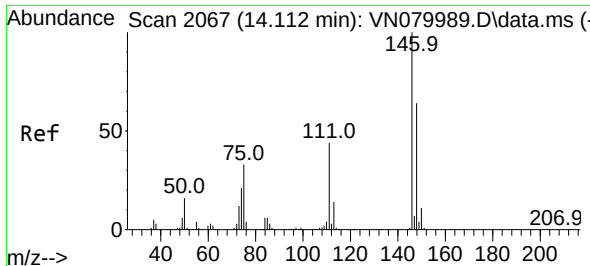
Delta R.T. 0.000 min

Lab File: VN080043.D

Acq: 10 Nov 2023 10:20

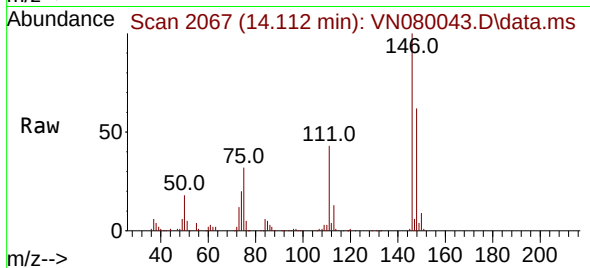
Tgt Ion:	117	Resp:	56969
Ion Ratio	Lower	Upper	
117	100		
201	67.1	32.5	97.5





#87
1,2-Dichlorobenzene
Concen: 18.502 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.001 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

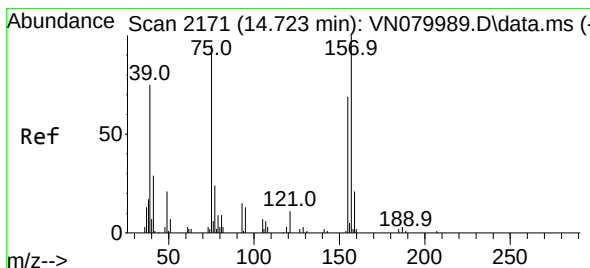
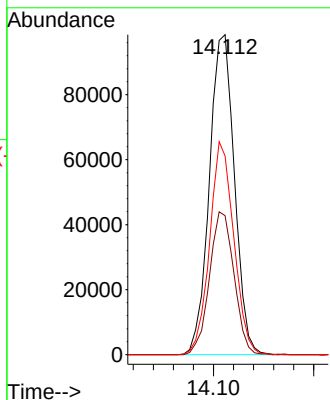
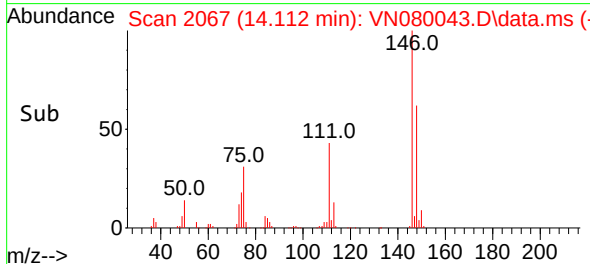
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:146 Resp: 171204
Ion Ratio Lower Upper
146 100
111 43.7 22.0 66.0
148 64.1 31.1 93.5

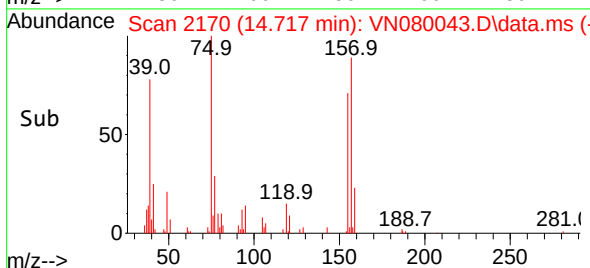
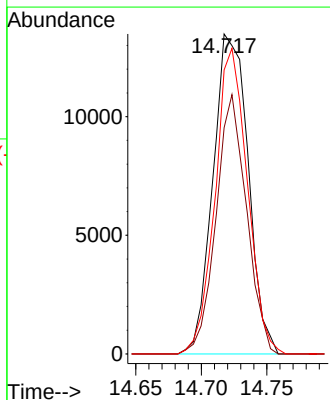
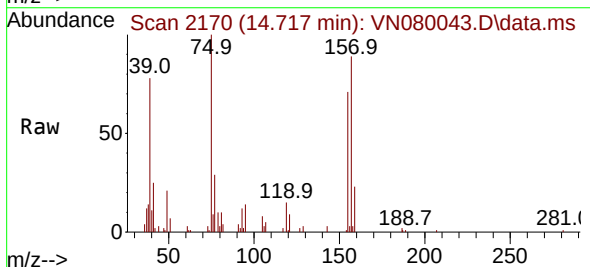
Manual Integrations
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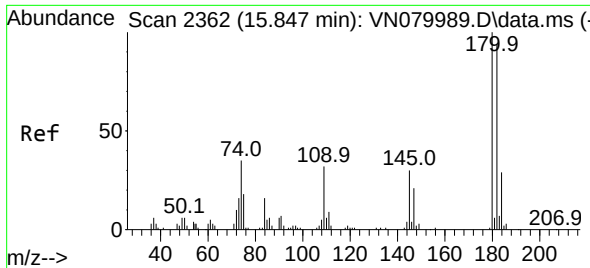
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 18.638 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Tgt Ion: 75 Resp: 25100
Ion Ratio Lower Upper
75 100
155 70.5 60.7 91.1
157 87.8 76.8 115.2





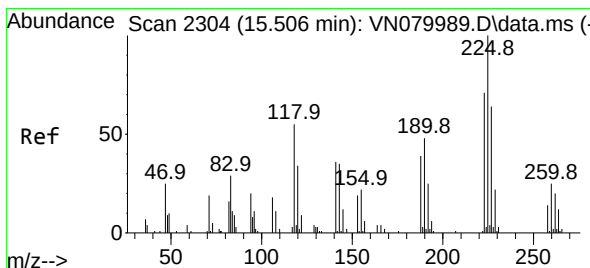
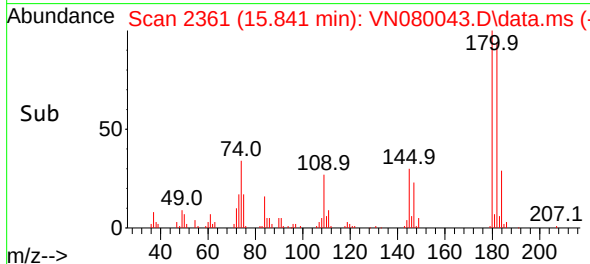
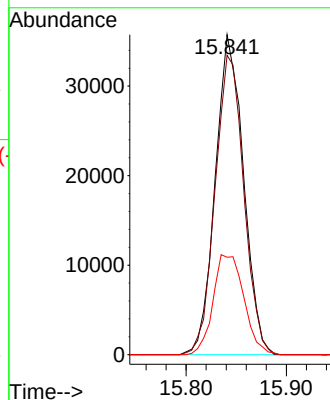
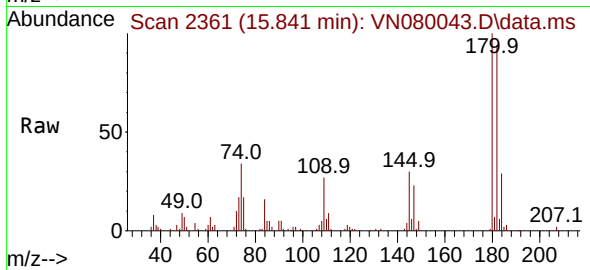
#89
1,2,4-Trichlorobenzene
Concen: 16.299 ug/l
RT: 15.841 min Scan# 2362
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:180 Resp: 69869
Ion Ratio Lower Upper
180 100
182 95.0 74.2 111.4
145 34.1 25.4 38.2

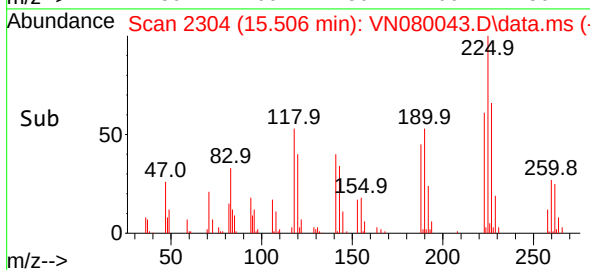
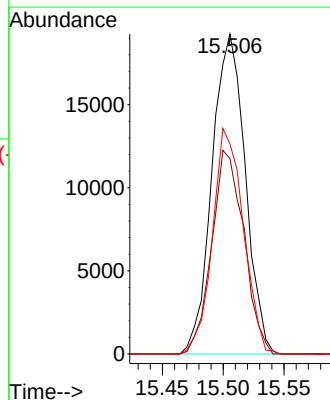
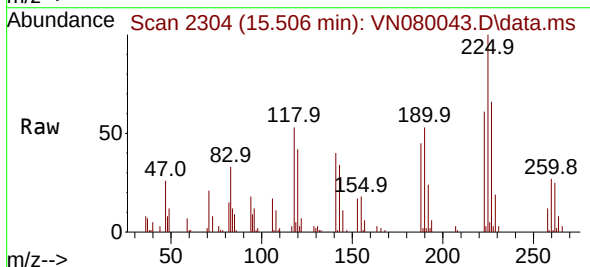
Manual Integrations
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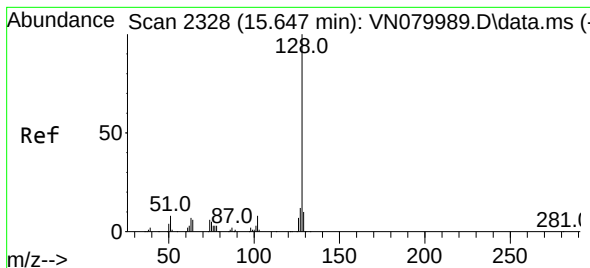
Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#90
Hexachlorobutadiene
Concen: 17.293 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.001 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

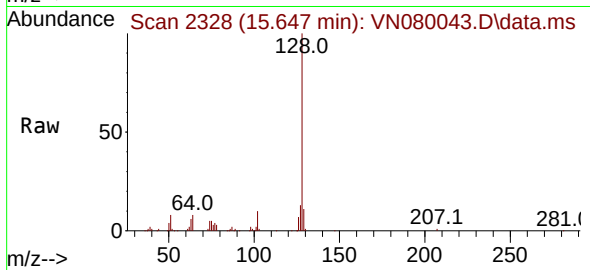
Tgt Ion:225 Resp: 36535
Ion Ratio Lower Upper
225 100
223 61.5 0.0 126.0
227 65.6 0.0 127.0





#91
Naphthalene
Concen: 13.926 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20

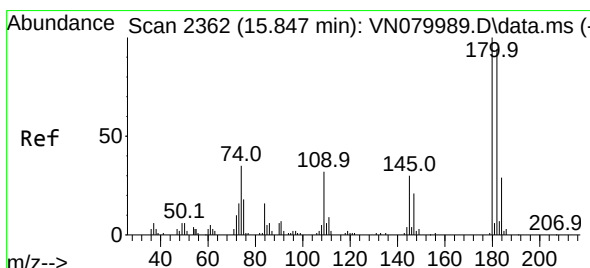
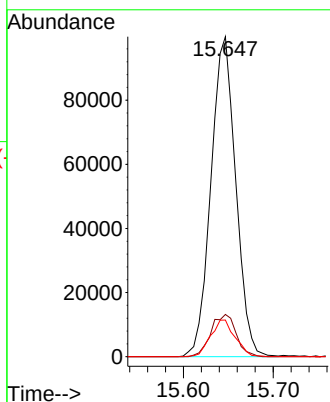
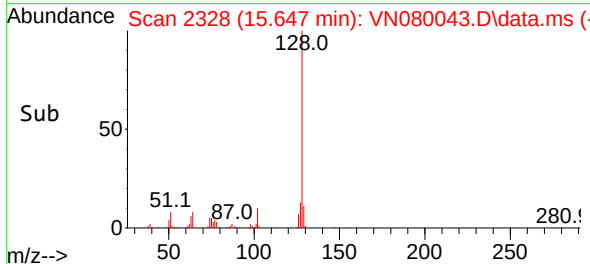
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



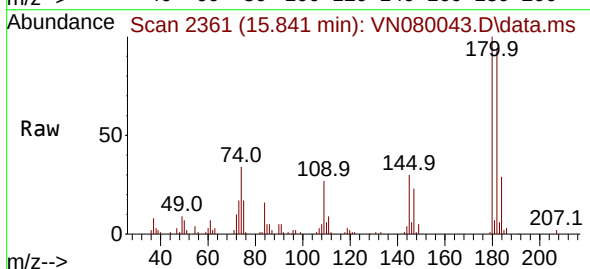
Tgt Ion:128 Resp: 19157
Ion Ratio Lower Upper
128 100
127 13.4 10.9 16.3
129 11.4 8.6 12.8

Manual Integrations
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Reviewed By :John Carlone 11/13/2023
Supervised By :Mahesh Dadoda 11/13/2023



#92
1,2,3-Trichlorobenzene
Concen: 16.299 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN080043.D
Acq: 10 Nov 2023 10:20



Tgt Ion:180 Resp: 69869
Ion Ratio Lower Upper
180 100
182 95.0 0.0 185.6
145 34.1 0.0 63.6

