

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041124\
 Data File : VN081693.D
 Acq On : 11 Apr 2024 12:28
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/12/2024
 Supervised By : Mahesh Dadoda 04/12/2024

Quant Time: Apr 12 05:59:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	24516	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	170109	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	228839	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	100290	33.299	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 111.000%#			
60) 4-Bromofluorobenzene	12.853	95	140973	31.334	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 104.433%			
63) Toluene-d8	10.571	98	285074	31.056	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.533%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	63688	18.592	ug/l	98
3) Chloromethane	2.359	50	73652	24.781	ug/l	100
4) Vinyl Chloride	2.518	62	61389	20.087	ug/l	98
5) Bromomethane	2.959	94	53490	20.667	ug/l	94
6) Chloroethane	3.124	64	57280	23.947	ug/l	99
7) Trichlorofluoromethane	3.500	101	117823	23.483	ug/l	94
8) Diethyl Ether	3.959	74	35098	18.755	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	68875	20.008	ug/l	95
10) 1,1-Dichloroethene	4.342	96	61633	19.523	ug/l #	94
11) Methyl Iodide	4.589	142	63074	17.642	ug/l	90
12) Methyl Acetate	5.024	43	62573	21.585	ug/l	90
13) Acrolein	4.189	56	41239m	108.015	ug/l	
14) Acrylonitrile	5.724	53	154640	107.167	ug/l	100
15) Acetone	4.436	58	33437m	105.357	ug/l	
16) Carbon Disulfide	4.712	76	172044	19.165	ug/l	98
17) Allyl chloride	5.018	41	70857	18.554	ug/l	91
18) Methylene Chloride	5.271	84	75311	20.717	ug/l #	90
19) trans-1,2-Dichloroethene	5.783	96	68461	19.775	ug/l	94
20) Diisopropyl ether	6.671	45	185006	20.348	ug/l	95
21) 1,1-Dichloroethane	6.565	63	125466	20.697	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	78795	18.848	ug/l	99
23) tert-Butyl Alcohol	5.524	59	55643	108.626	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	197279	19.980	ug/l #	89
25) Chloroform	7.971	83	145237	21.057	ug/l	94
26) Cyclohexane	8.259	56	91703	18.870	ug/l #	88
29) 1,1-Dichloropropene	8.371	75	92210	20.619	ug/l	98
30) 2-Butanone	7.488	43	194512	113.885	ug/l	98
31) 2,2-Dichloropropane	7.488	77	116746	20.958	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	130187	21.122	ug/l	99
33) Carbon Tetrachloride	8.365	117	116840	20.913	ug/l	91
34) Benzene	8.606	78	303254	21.050	ug/l	98
35) Methacrylonitrile	7.777	41	43288	22.376	ug/l	95
36) 1,2-Dichloroethane	8.671	62	102782	21.751	ug/l	99
37) Trichloroethene	9.353	130	76411	20.043	ug/l	92
38) Methylcyclohexane	9.606	83	99636	18.228	ug/l	98
39) 1,2-Dichloropropane	9.624	63	72749	21.645	ug/l	99
40) Dibromomethane	9.706	93	55689	20.801	ug/l	95
41) Bromodichloromethane	9.894	83	115461	21.149	ug/l	96
42) Vinyl Acetate	6.606	43	747038	104.994	ug/l	98

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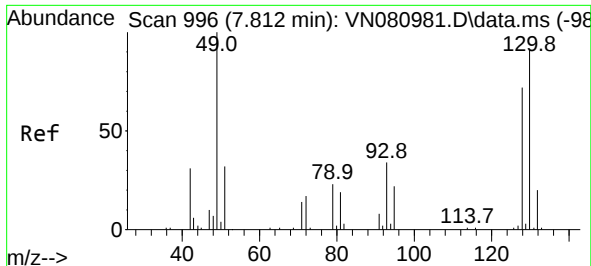
Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	80154	21.294	ug/l	97
44) Isopropyl Acetate	8.688	43	136882	21.703	ug/l	95
45) 1,4-Dioxane	9.700	88	32263	463.390	ug/l	92
46) Methyl methacrylate	9.682	41	58519	20.632	ug/l	83
47) n-amyl Acetate	12.494	43	115770	20.456	ug/l	97
48) t-1,3-Dichloropropene	10.841	75	105448	20.273	ug/l	99
49) cis-1,3-Dichloropropene	10.318	75	114109	20.372	ug/l	93
50) 1,1,2-Trichloroethane	11.018	97	74200	20.698	ug/l	95
51) Ethyl methacrylate	10.876	69	96228	19.278	ug/l	85
52) 1,3-Dichloropropane	11.165	76	123247	20.975	ug/l	98
53) Dibromochloromethane	11.359	129	86820	20.274	ug/l	98
54) 1,2-Dibromoethane	11.470	107	79050	21.333	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	265014	108.117	ug/l	98
56) Bromoform	12.582	173	57683	21.066	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	442373	112.410	ug/l	93
59) 2-Hexanone	11.200	43	341588	115.578	ug/l	93
61) Tetrachloroethene	11.106	164	82929	19.557	ug/l	94
62) Toluene	10.629	91	338856	20.354	ug/l	99
64) Chlorobenzene	11.894	112	207695	19.674	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.959	131	77701	20.262	ug/l	97
66) Ethyl Benzene	11.965	91	344430	19.458	ug/l	99
67) m/p-Xylenes	12.070	106	276833	39.483	ug/l	95
68) o-Xylene	12.400	106	127046	19.087	ug/l	100
69) Styrene	12.412	104	222591	19.636	ug/l	96
70) Isopropylbenzene	12.700	105	335590	19.543	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	99091	22.090	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	99774m	24.025	ug/l	
73) Bromobenzene	12.982	156	86541	20.339	ug/l	94
74) n-propylbenzene	13.035	91	407395	19.820	ug/l	99
75) 2-Chlorotoluene	13.123	91	251124	20.507	ug/l	93
76) 1,3,5-Trimethylbenzene	13.176	105	294171	20.183	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	35010	20.357	ug/l	98
78) 4-Chlorotoluene	13.223	91	256793	21.142	ug/l	97
79) tert-butylbenzene	13.441	119	243804	19.662	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	294977	20.294	ug/l	95
81) sec-Butylbenzene	13.617	105	358005	20.020	ug/l	100
82) p-Isopropyltoluene	13.735	119	296905	19.797	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	172939	21.748	ug/l	96
84) 1,4-Dichlorobenzene	13.812	146	164365	21.352	ug/l	98
85) n-Butylbenzene	14.059	91	249353	19.739	ug/l	98
86) Hexachloroethane	14.335	117	59156	20.646	ug/l	86
87) 1,2-Dichlorobenzene	14.111	146	166662	22.018	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	22807	23.323	ug/l	95
89) 1,2,4-Trichlorobenzene	15.847	180	81845	19.727	ug/l	98
90) Hexachlorobutadiene	15.506	225	36893	22.190	ug/l	95
91) Naphthalene	15.641	128	264462	19.827	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	81845	19.727	ug/l	98

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



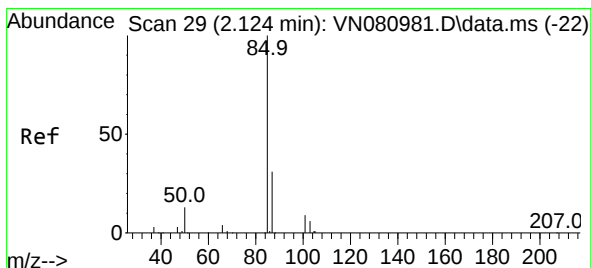
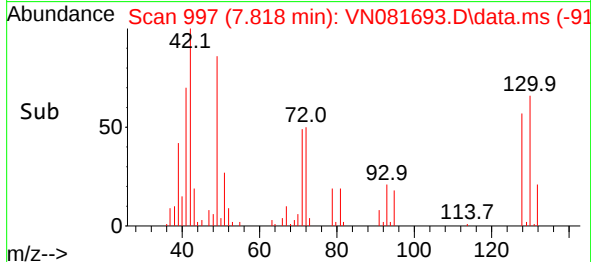
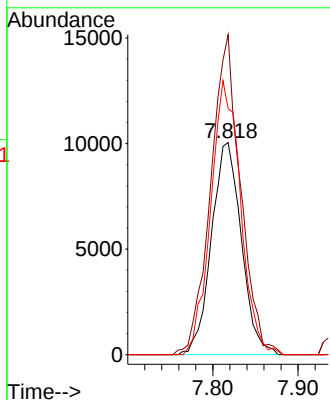
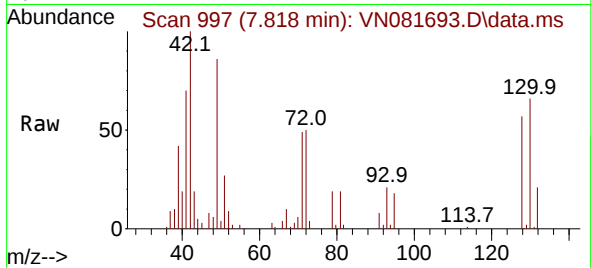
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 24510
Ion Ratio Lower Upper
128 100
49 148.4 0.0 403.7
130 129.3 0.0 323.3

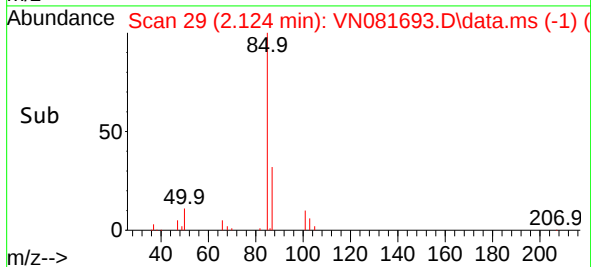
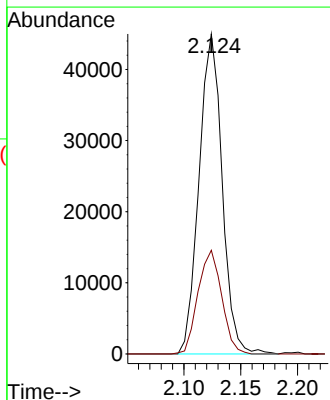
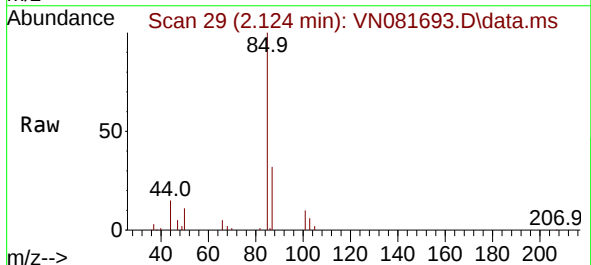
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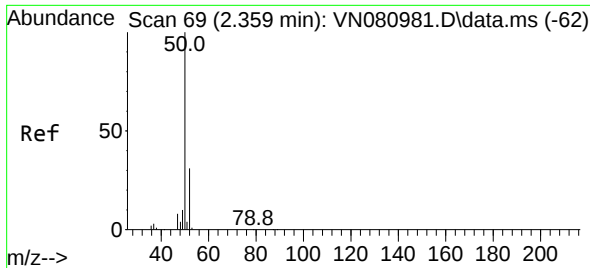
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#2
Dichlorodifluoromethane
Concen: 18.592 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion: 85 Resp: 63688
Ion Ratio Lower Upper
85 100
87 32.4 16.8 50.3





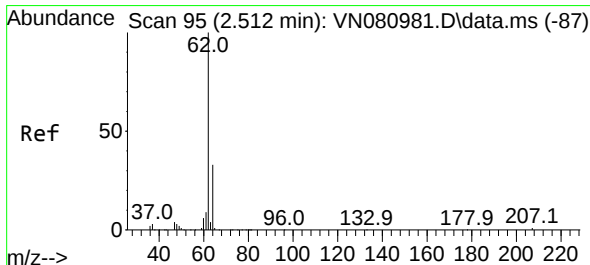
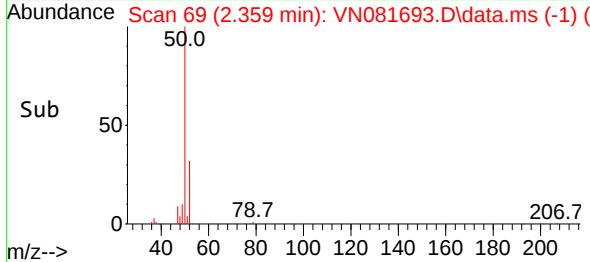
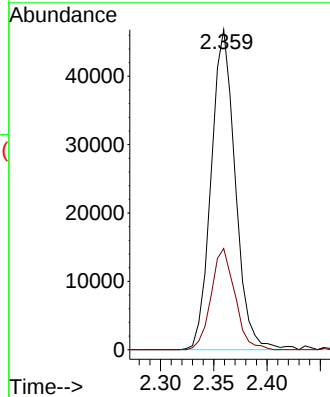
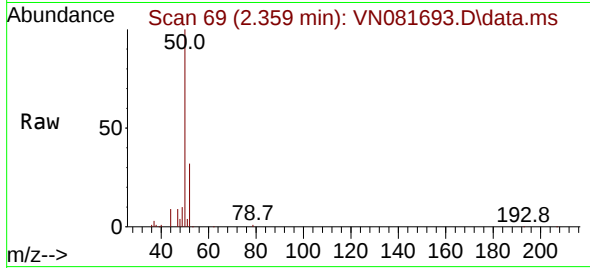
#3
Chloromethane
Concen: 24.781 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 50 Resp: 73652
Ion Ratio Lower Upper
50 100
52 31.6 25.4 38.0

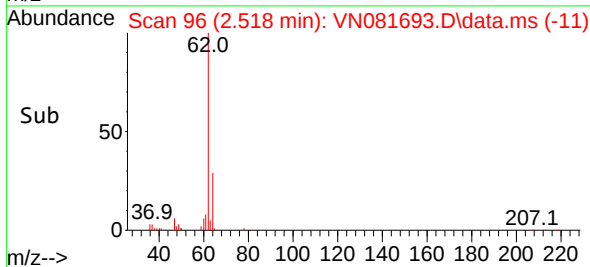
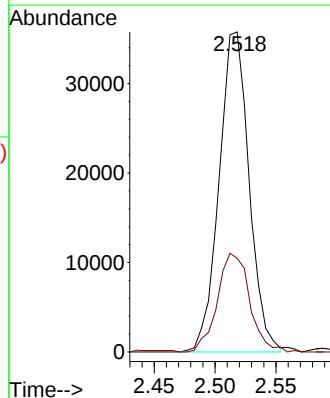
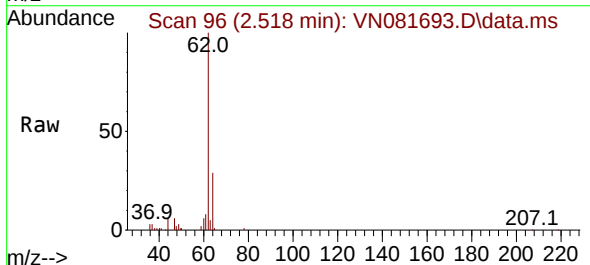
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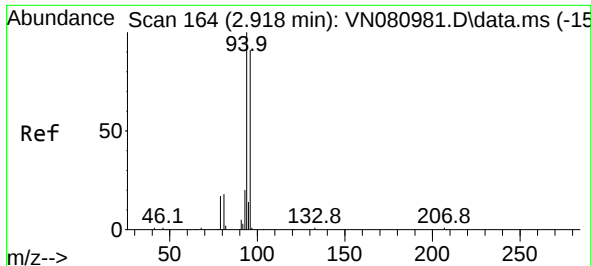
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#4
Vinyl Chloride
Concen: 20.087 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion: 62 Resp: 61389
Ion Ratio Lower Upper
62 100
64 29.2 24.1 36.1





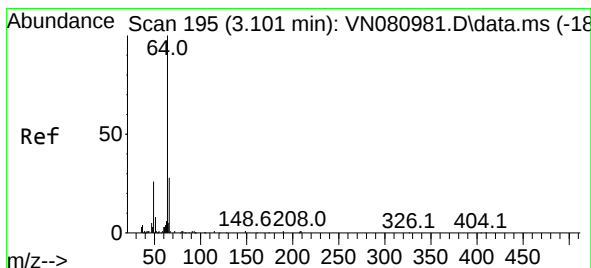
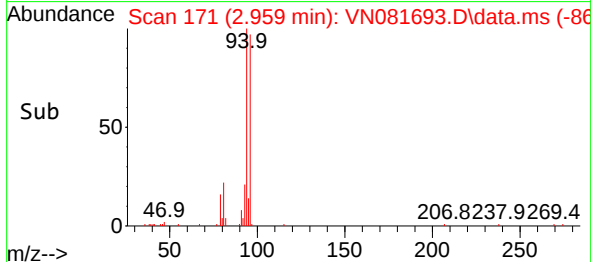
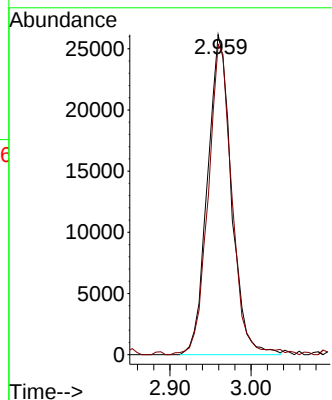
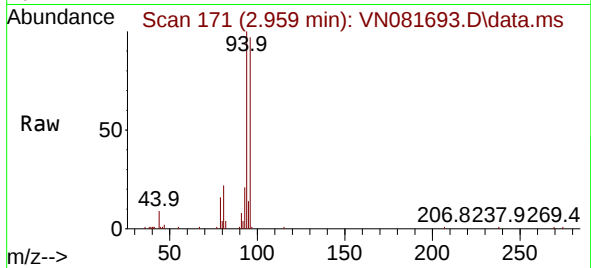
#5
Bromomethane
Concen: 20.667 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 94 Resp: 53490
Ion Ratio Lower Upper
94 100
96 96.3 72.8 109.2

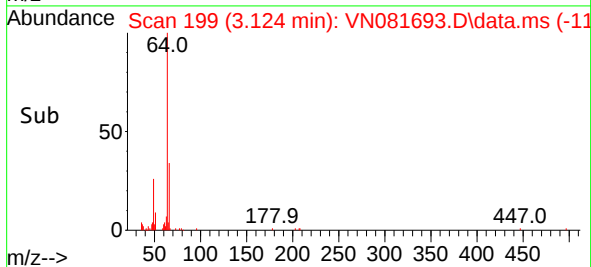
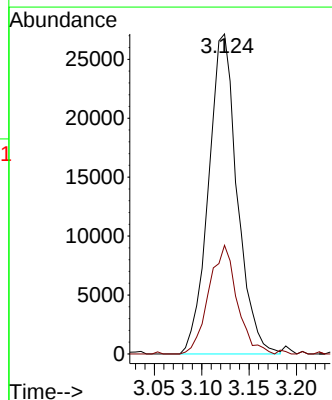
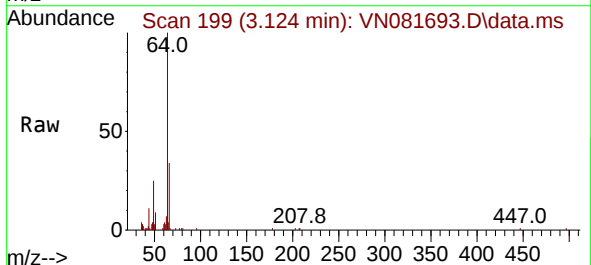
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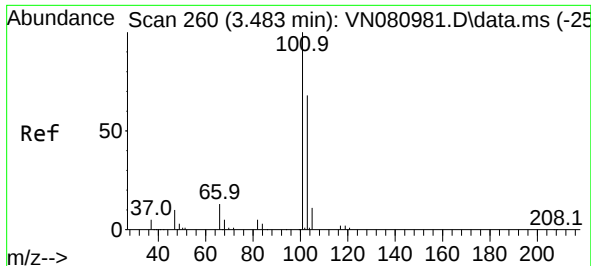
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#6
Chloroethane
Concen: 23.947 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion: 64 Resp: 57280
Ion Ratio Lower Upper
64 100
66 33.9 26.7 40.1





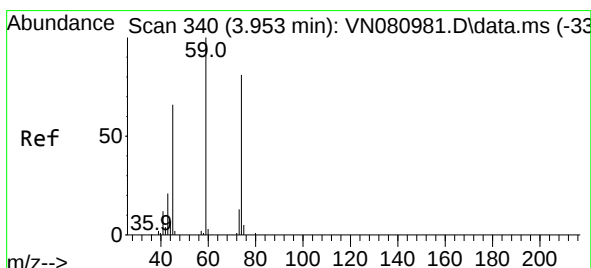
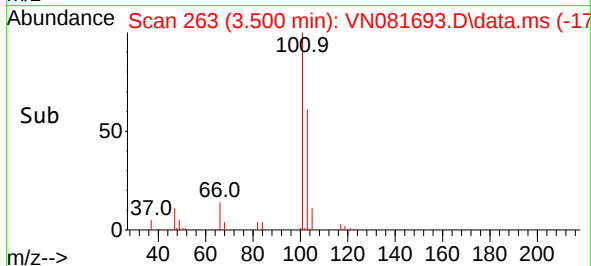
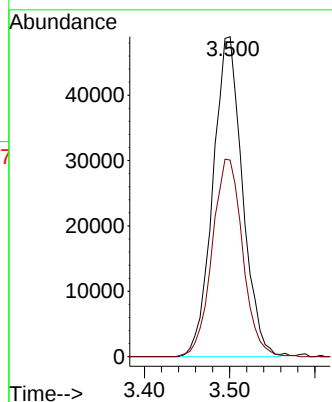
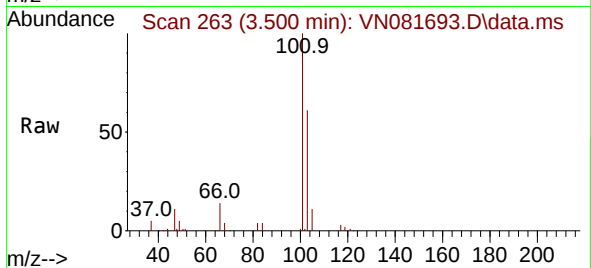
#7
Trichlorofluoromethane
Concen: 23.483 ug/l
RT: 3.500 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
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Tgt Ion:101 Resp: 11782
Ion Ratio Lower Upper
101 100
103 61.1 53.0 79.4

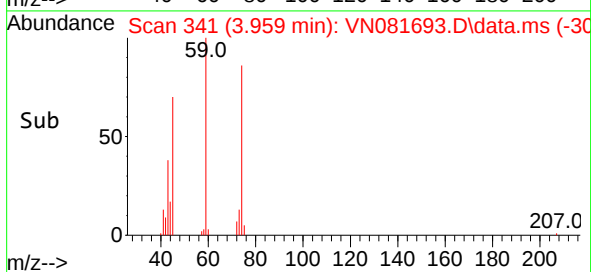
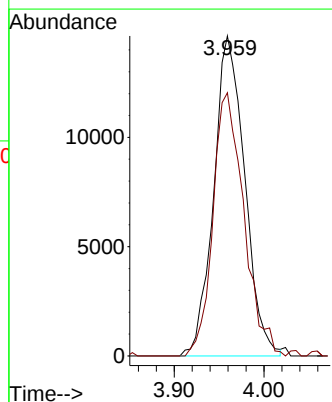
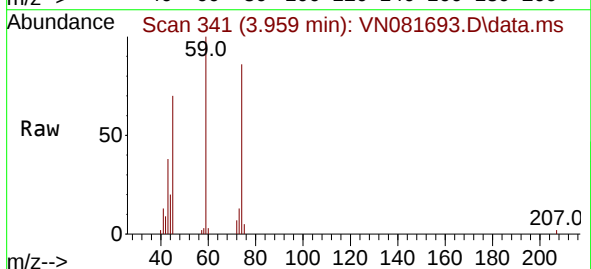
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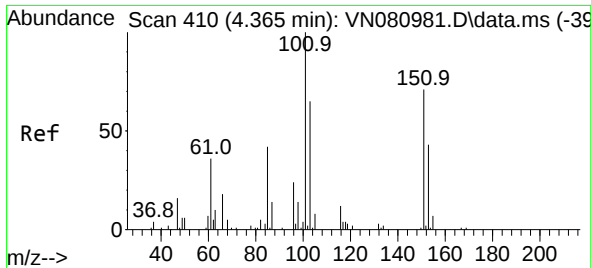
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#8
Diethyl Ether
Concen: 18.755 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion: 74 Resp: 35098
Ion Ratio Lower Upper
74 100
45 80.4 16.4 147.4





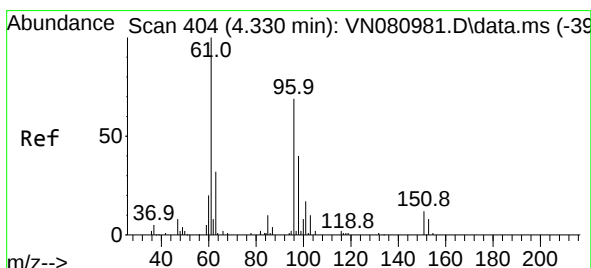
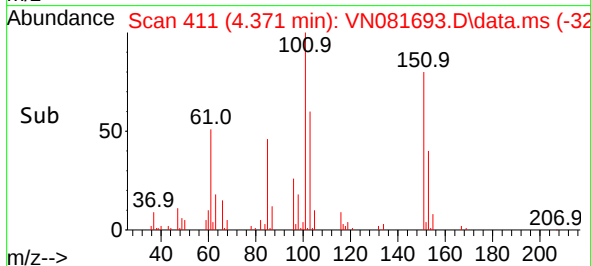
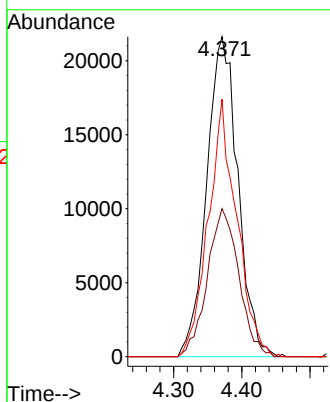
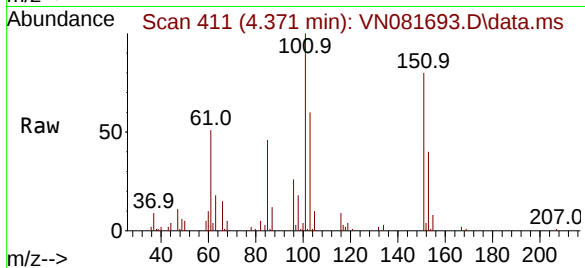
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1,1,2-Trichlorotrifluoroethane
Concen: 20.008 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 6887
Ion Ratio Lower Upper
101 100
85 46.7 0.0 90.6
151 73.4 0.0 157.6

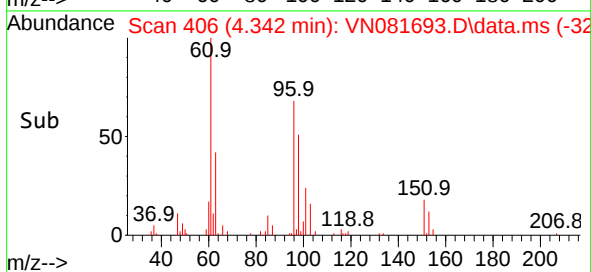
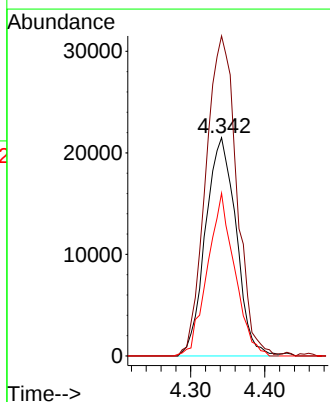
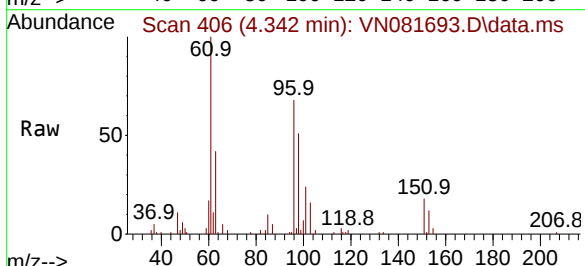
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Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#10
1,1-Dichloroethene
Concen: 19.523 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

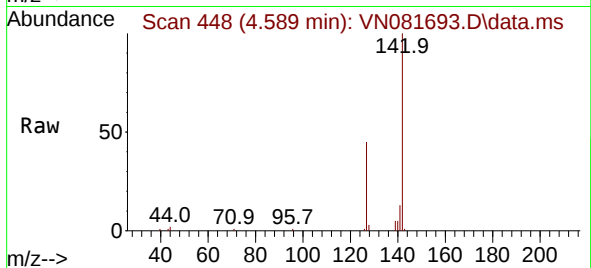
Tgt Ion: 96 Resp: 61633
Ion Ratio Lower Upper
96 100
61 146.6 117.6 176.4
98 74.5 48.4 72.6#





#11
Methyl Iodide
Concen: 17.642 ug/l
RT: 4.589 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

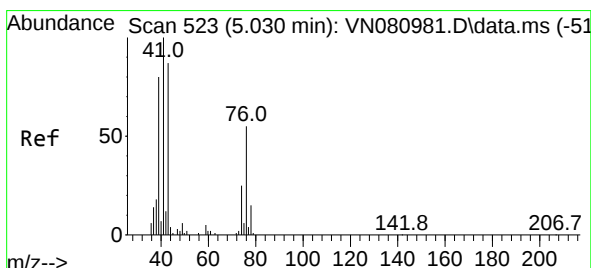
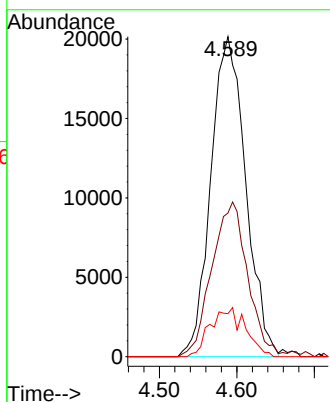
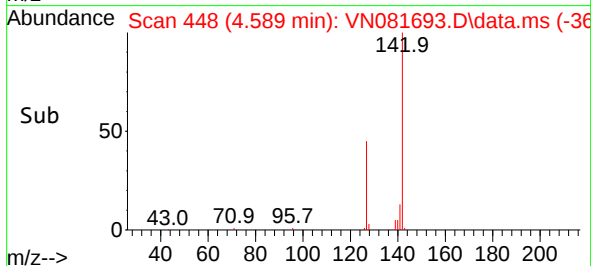
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 63074
Ion Ratio Lower Upper
142 100
127 44.7 26.3 78.9
141 13.5 8.3 24.9

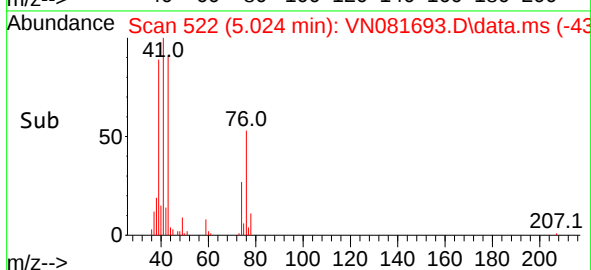
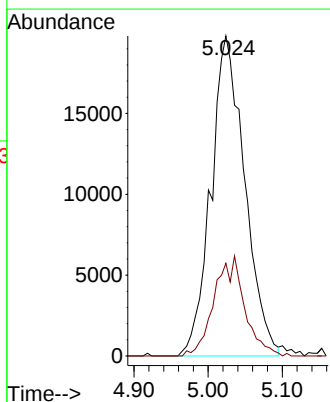
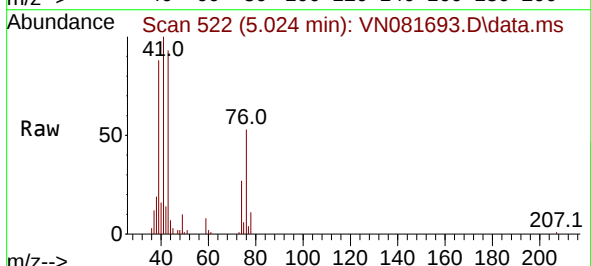
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#12
Methyl Acetate
Concen: 21.585 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

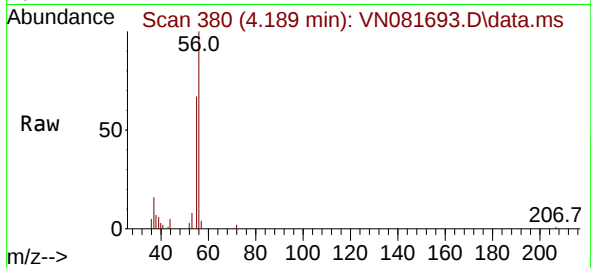
Tgt Ion: 43 Resp: 62573
Ion Ratio Lower Upper
43 100
74 28.9 27.7 41.5





#13
Acrolein
Concen: 108.015 ug/l m
RT: 4.189 min Scan# 377
Delta R.T. 0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

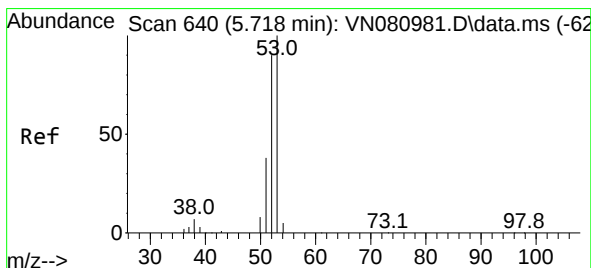
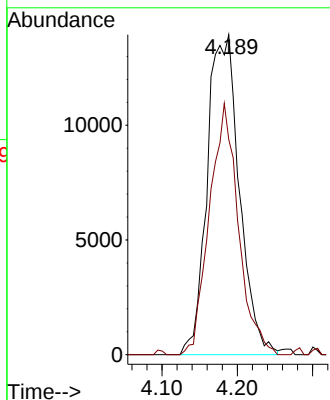
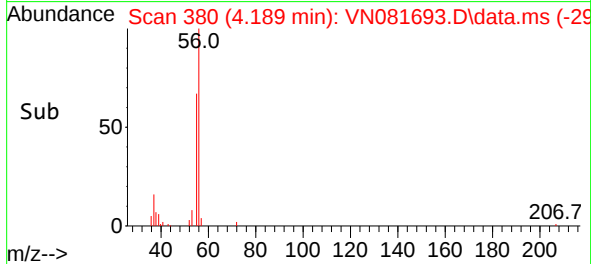
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 56 Resp: 41239
Ion Ratio Lower Upper
56 100
55 0.4 55.5 83.3

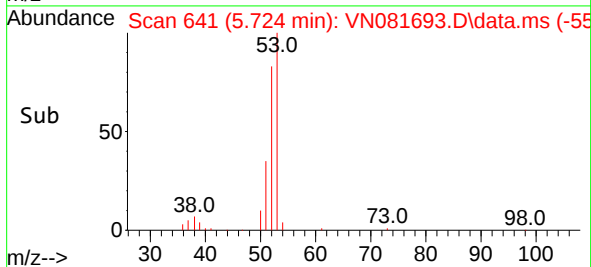
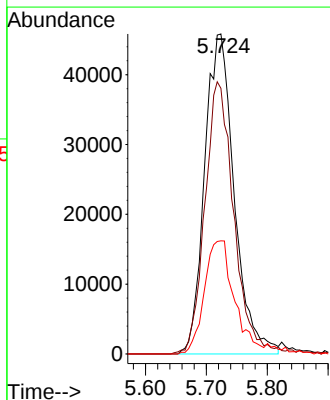
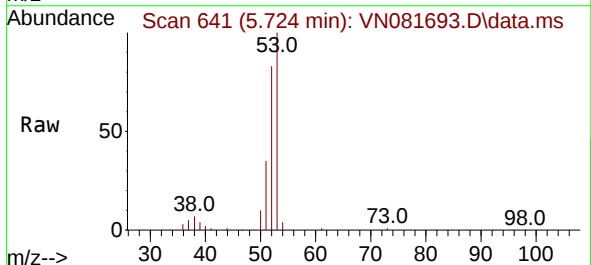
Manual Integrations
APPROVED

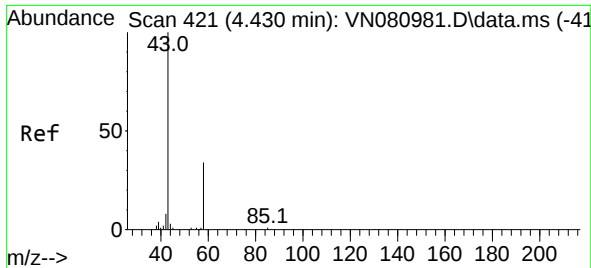
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#14
Acrylonitrile
Concen: 107.167 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion: 53 Resp: 154640
Ion Ratio Lower Upper
53 100
52 82.5 41.3 123.9
51 33.1 16.8 50.3





#15

Acetone

Concen: 105.357 ug/l m

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN081693.D

Acq: 11 Apr 2024 12:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 3343

Ion Ratio Lower Upper

58 100

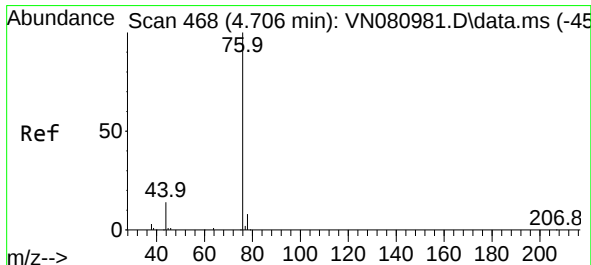
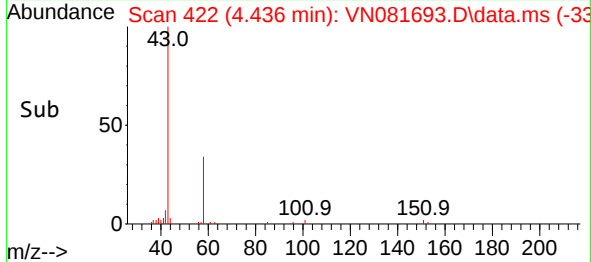
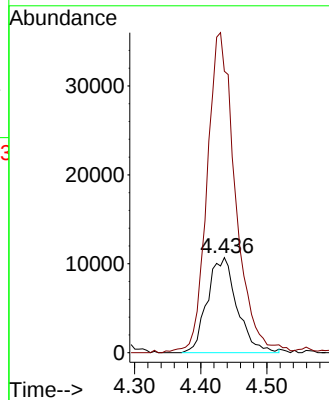
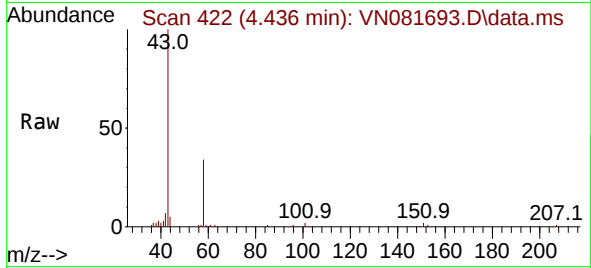
43 295.9 223.1 334.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2024

Supervised By :Mahesh Dadoda 04/12/2024



#16

Carbon Disulfide

Concen: 19.165 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN081693.D

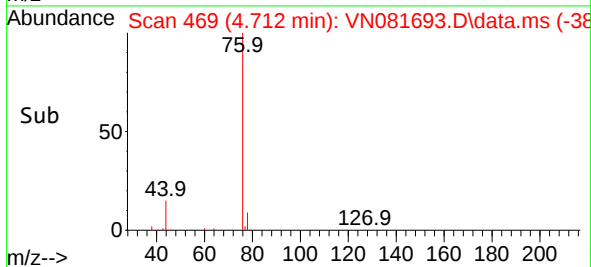
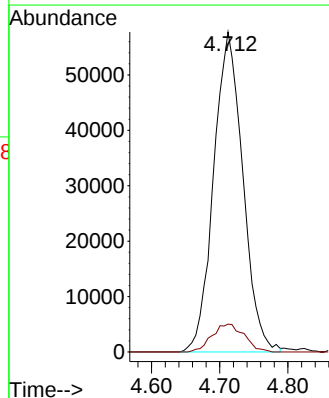
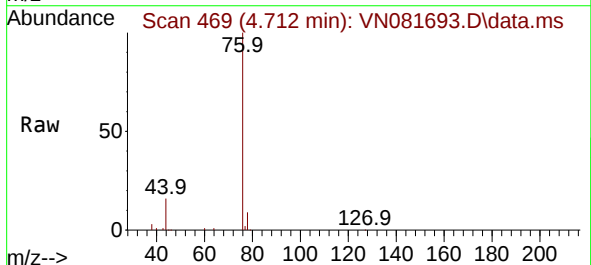
Acq: 11 Apr 2024 12:28

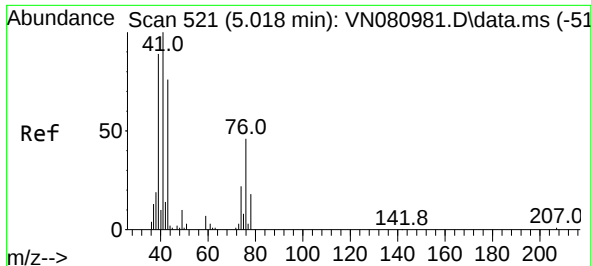
Tgt Ion: 76 Resp: 172044

Ion Ratio Lower Upper

76 100

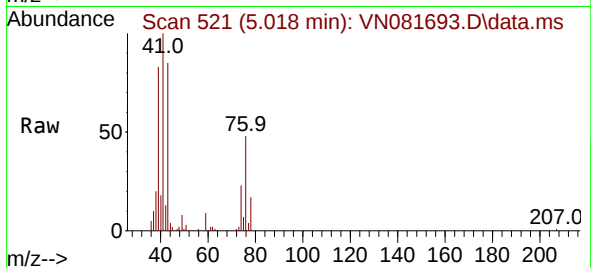
78 8.7 6.3 9.5





#17
 Allyl chloride
 Concen: 18.554 ug/l
 RT: 5.018 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN081693.D
 Acq: 11 Apr 2024 12:28

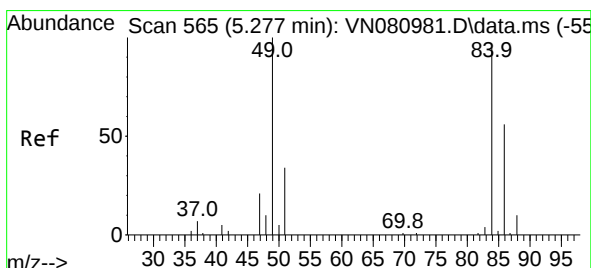
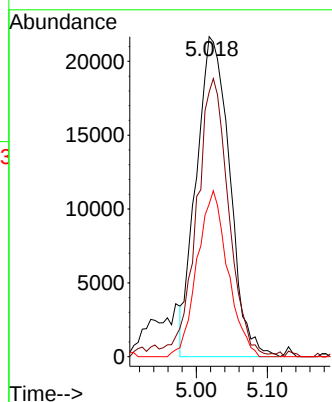
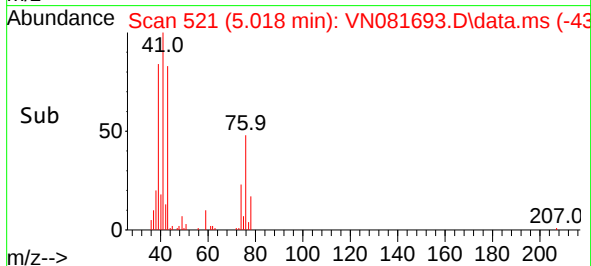
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion:	41	Resp:	7085
Ion Ratio	Lower	Upper	
41	100		
39	81.2	37.6	112.9
76	47.7	27.8	83.4

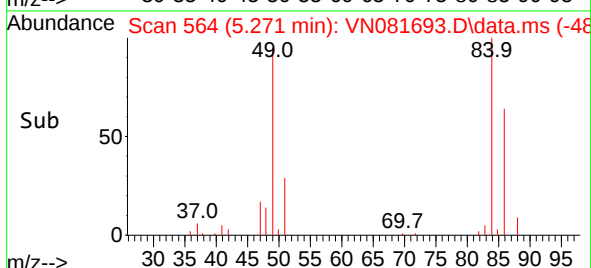
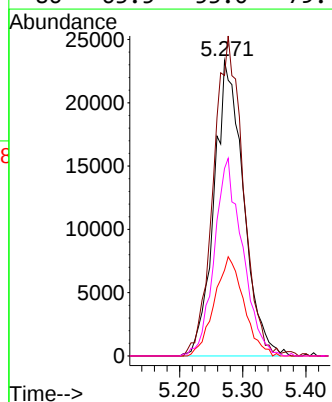
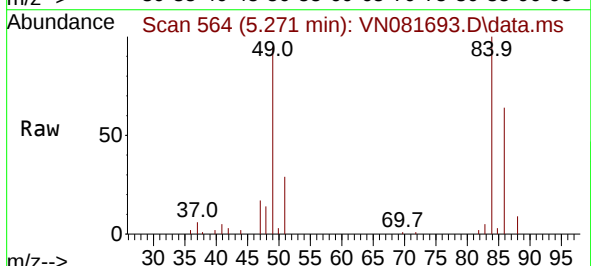
Manual Integrations
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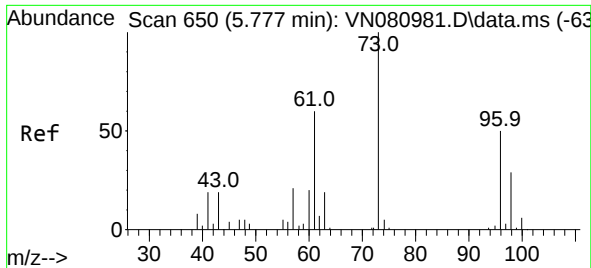
Reviewed By :John Carlone 04/12/2024
 Supervised By :Mahesh Dadoda 04/12/2024



#18
 Methylene Chloride
 Concen: 20.717 ug/l
 RT: 5.271 min Scan# 564
 Delta R.T. -0.012 min
 Lab File: VN081693.D
 Acq: 11 Apr 2024 12:28

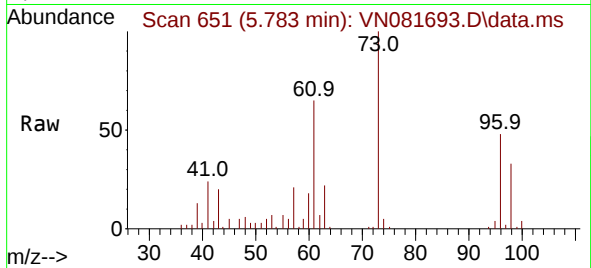
Tgt Ion:	84	Resp:	75311
Ion Ratio	Lower	Upper	
84	100		
49	95.0	86.0	129.0
51	29.1	30.0	45.0#
86	63.5	53.0	79.4





#19
trans-1,2-Dichloroethene
Concen: 19.775 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

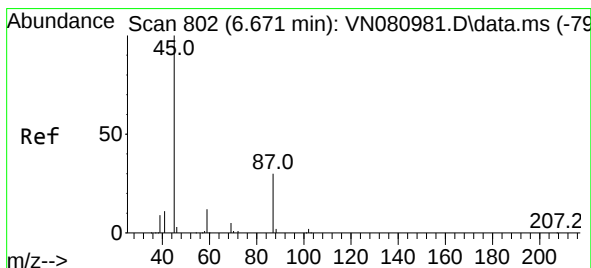
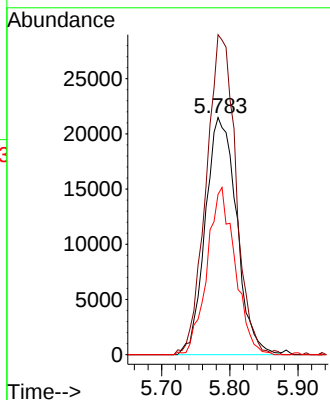
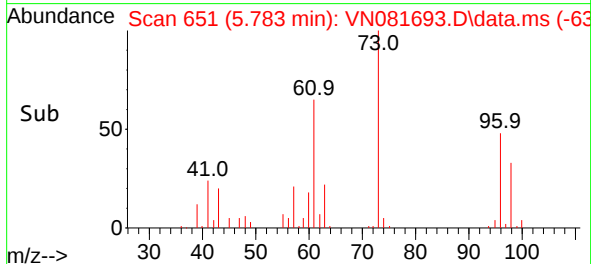
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 6846
Ion Ratio Lower Upper
96 100
61 133.6 111.8 167.6
98 67.6 49.2 73.8

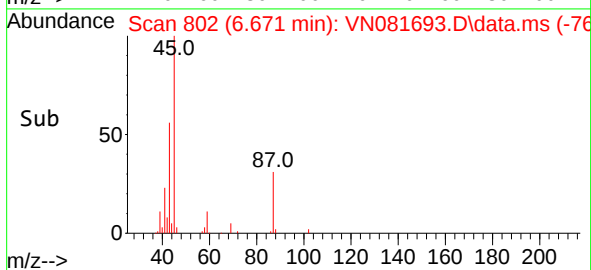
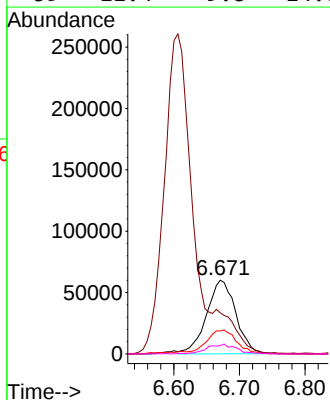
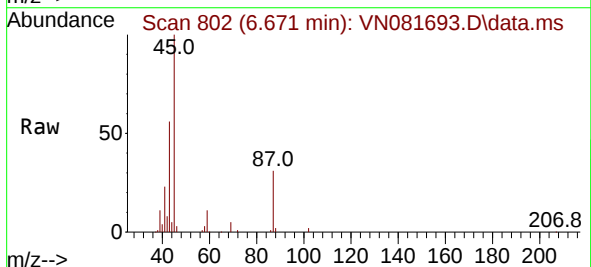
Manual Integrations
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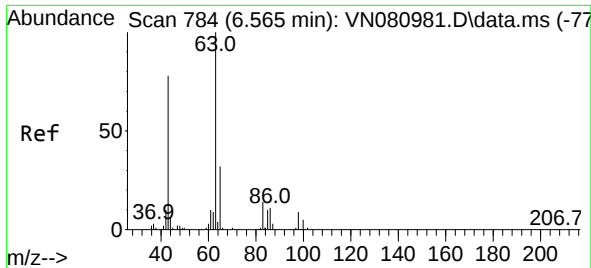
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#20
Diisopropyl ether
Concen: 20.348 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion: 45 Resp: 185006
Ion Ratio Lower Upper
45 100
43 54.8 40.4 60.6
87 31.4 23.8 35.8
59 11.4 9.8 14.6





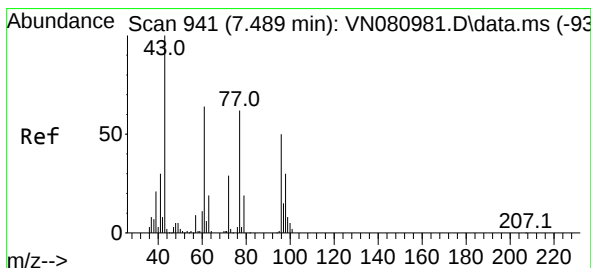
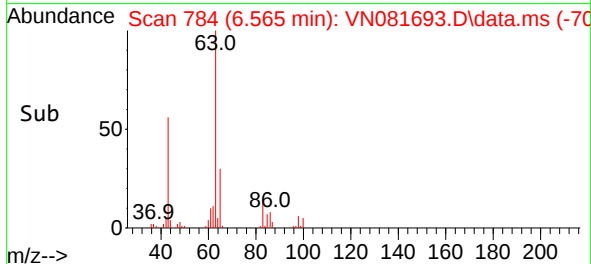
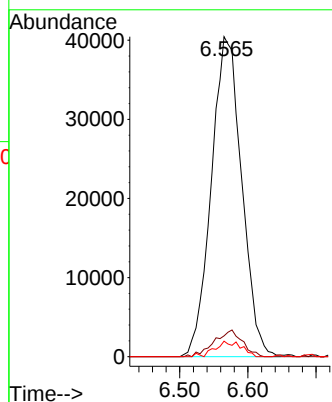
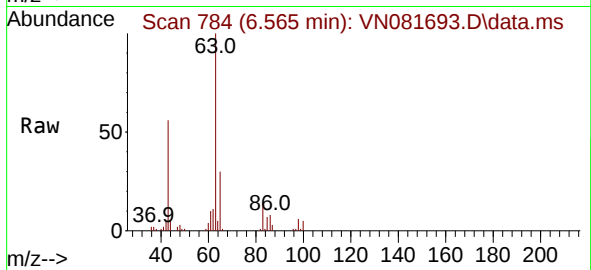
#21
1,1-Dichloroethane
Concen: 20.697 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 125460
Ion Ratio Lower Upper
63 100
98 6.5 4.1 12.3
100 4.9 3.0 9.0

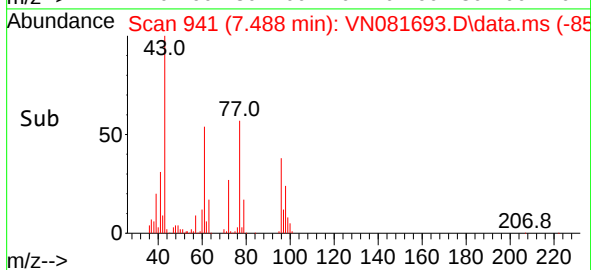
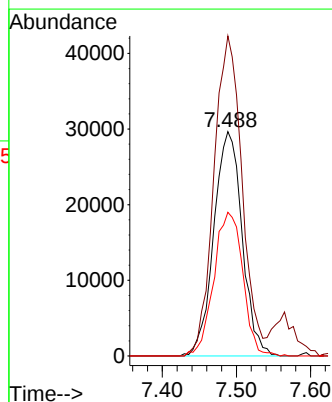
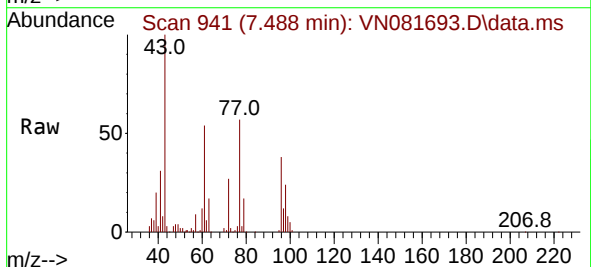
Manual Integrations
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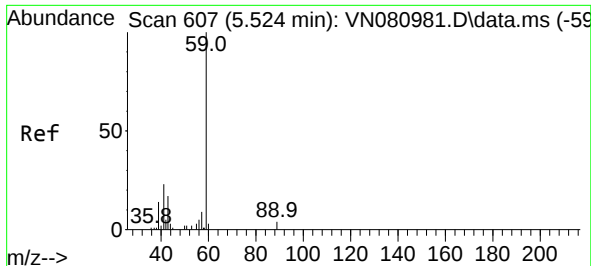
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#22
cis-1,2-Dichloroethene
Concen: 18.848 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

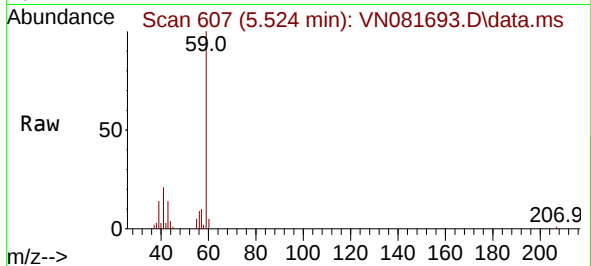
Tgt Ion: 96 Resp: 78795
Ion Ratio Lower Upper
96 100
61 141.0 113.5 170.3
98 65.4 52.0 78.0





#23
tert-Butyl Alcohol
Concen: 108.626 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

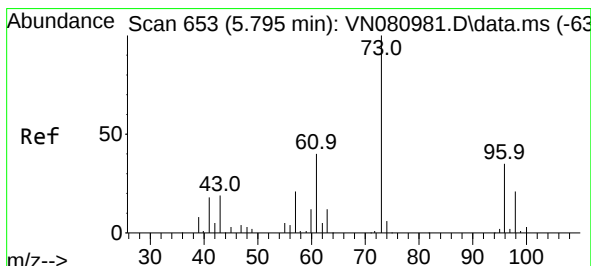
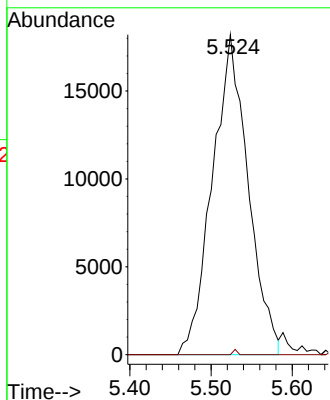
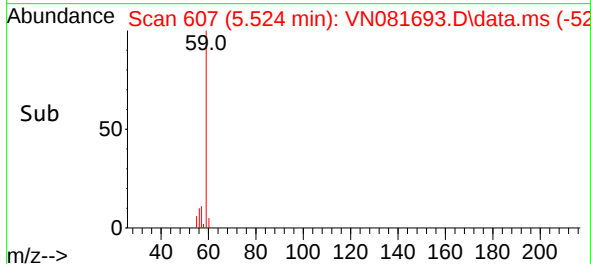
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



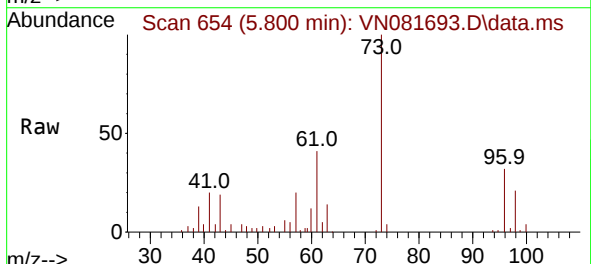
Tgt Ion: 59 Resp: 5564
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
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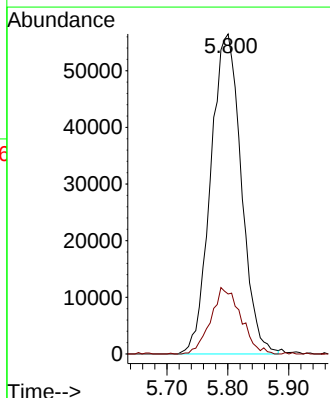
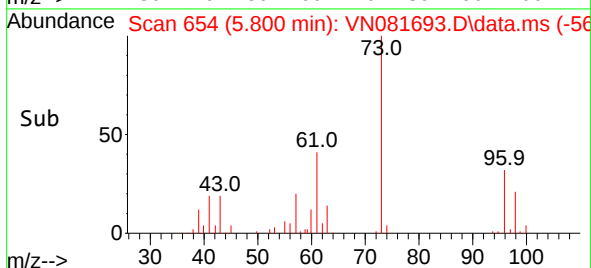
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024

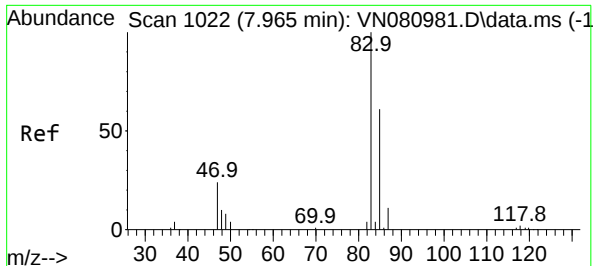


#24
Methyl tert-Butyl Ether
Concen: 19.980 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28



Tgt Ion: 73 Resp: 197279
Ion Ratio Lower Upper
73 100
43 12.1 13.4 20.2#





#25

Chloroform

Concen: 21.057 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN081693.D

Acq: 11 Apr 2024 12:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 14523

Ion Ratio Lower Upper

83 100

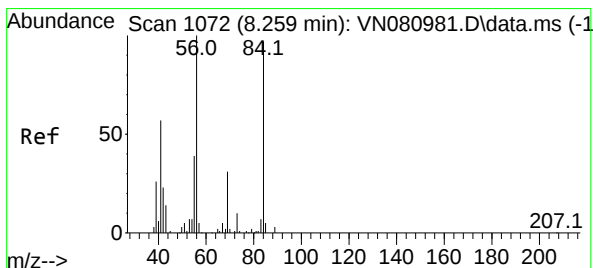
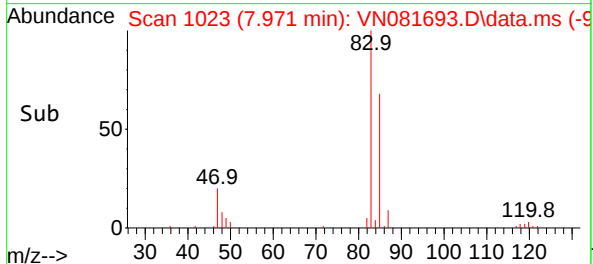
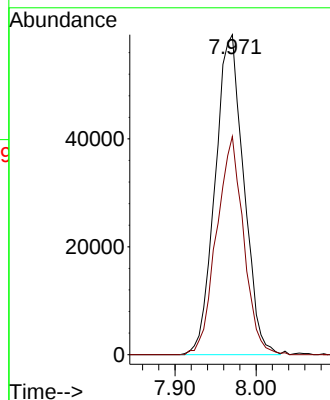
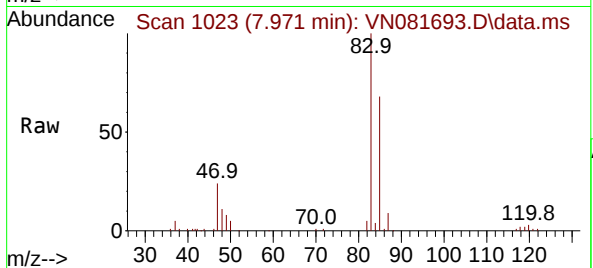
85 68.2 50.9 76.3

Manual Integrations

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Reviewed By :John Carlone 04/12/2024

Supervised By :Mahesh Dadoda 04/12/2024



#26

Cyclohexane

Concen: 18.870 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. -0.000 min

Lab File: VN081693.D

Acq: 11 Apr 2024 12:28

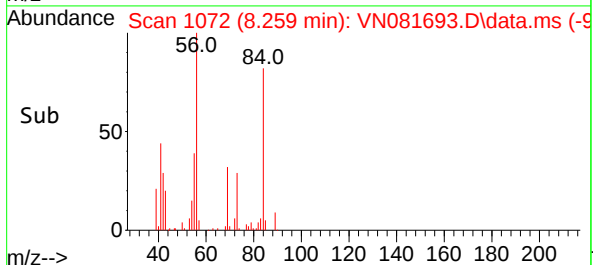
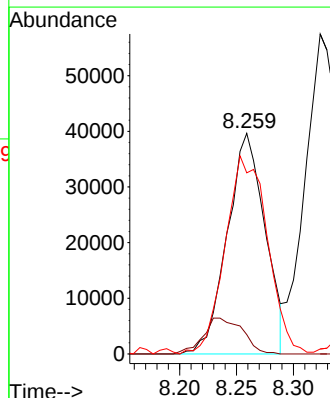
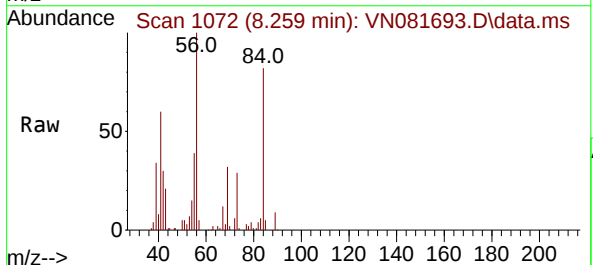
Tgt Ion: 56 Resp: 91703

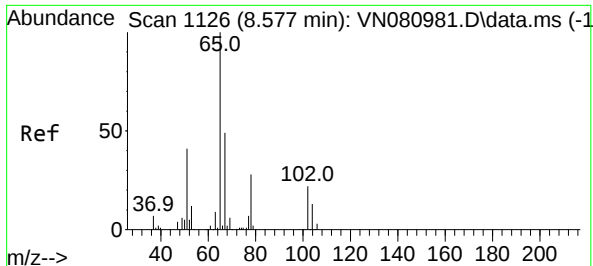
Ion Ratio Lower Upper

56 100

89 17.0 19.3 28.9#

84 100.1 71.3 106.9





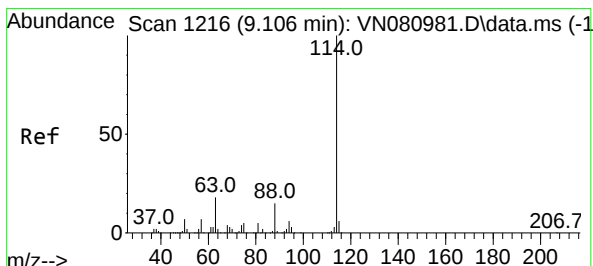
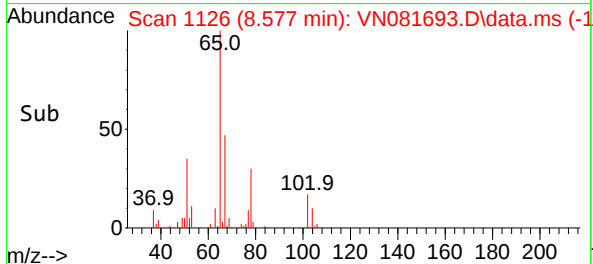
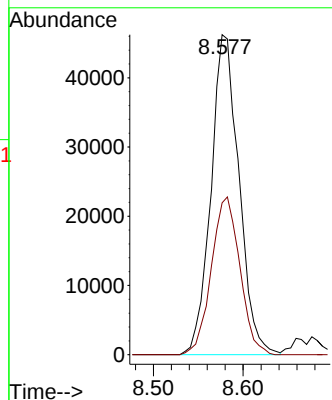
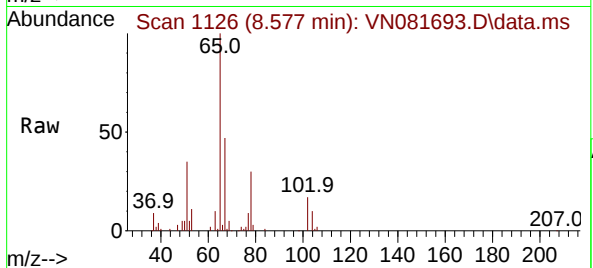
#27
1,2-Dichloroethane-d4
Concen: 33.299 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 65 Resp: 100290
Ion Ratio Lower Upper
65 100
67 50.1 43.2 64.8

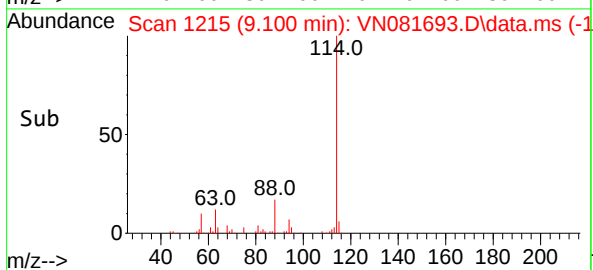
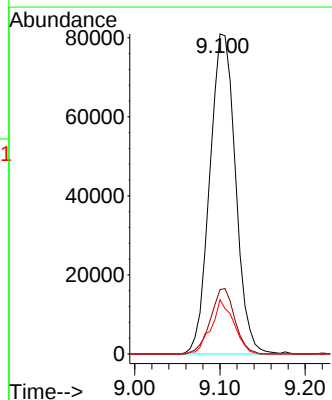
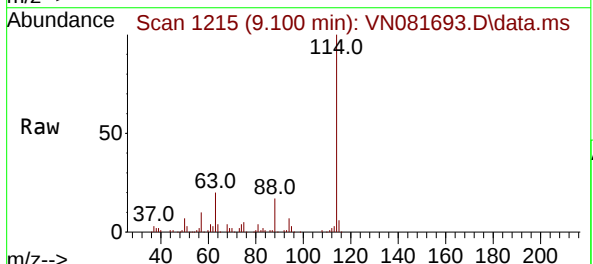
Manual Integrations
APPROVED

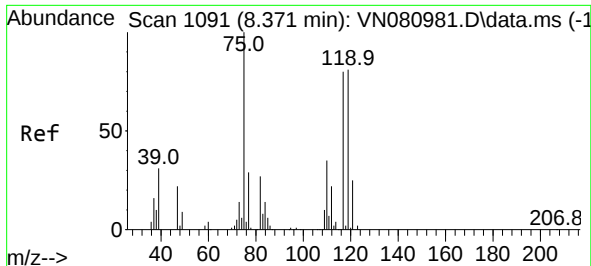
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion:114 Resp: 170109
Ion Ratio Lower Upper
114 100
63 19.2 15.9 23.9
88 15.0 12.7 19.1





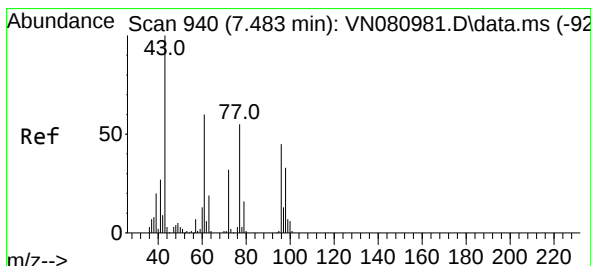
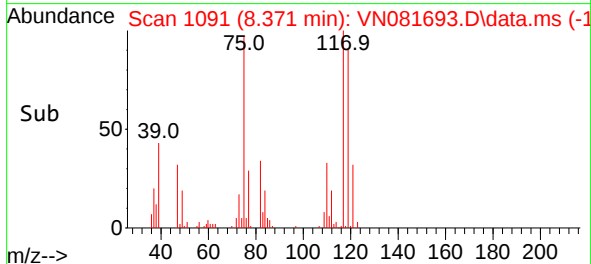
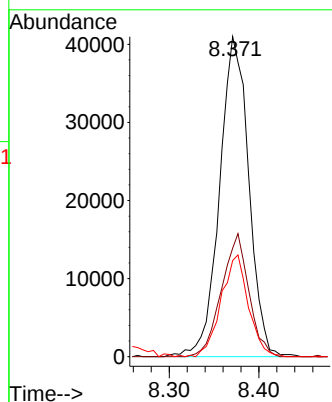
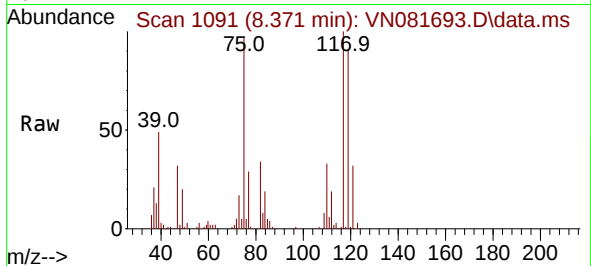
#29
1,1-Dichloropropene
Concen: 20.619 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 92210
Ion Ratio Lower Upper
75 100
110 36.2 0.0 70.2
77 29.7 0.0 61.4

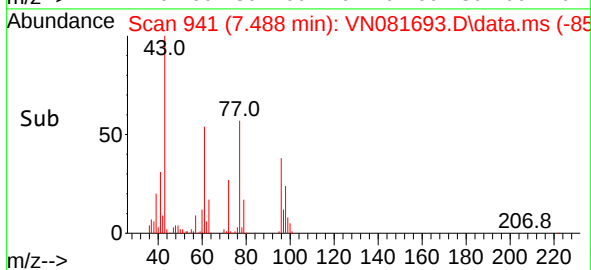
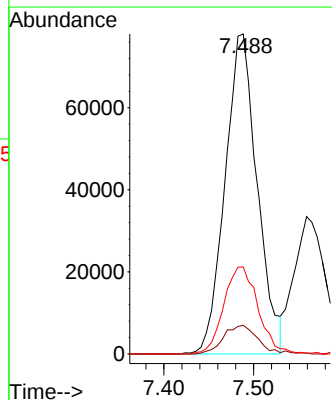
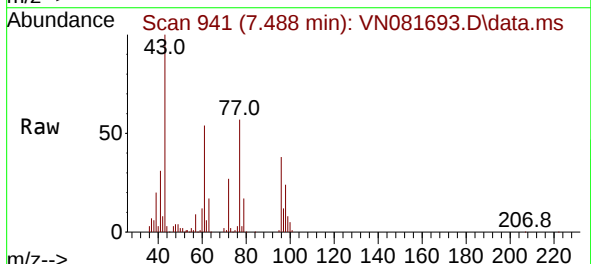
Manual Integrations
APPROVED

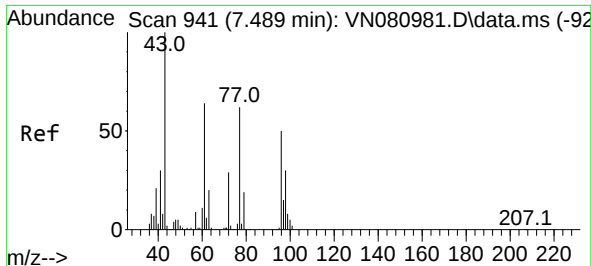
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#30
2-Butanone
Concen: 113.885 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion: 43 Resp: 194512
Ion Ratio Lower Upper
43 100
57 9.3 6.7 10.1
72 28.9 24.0 36.0





#31

2,2-Dichloropropane

Concen: 20.958 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN081693.D

Acq: 11 Apr 2024 12:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 77 Resp: 116740

Ion Ratio Lower Upper

77 100

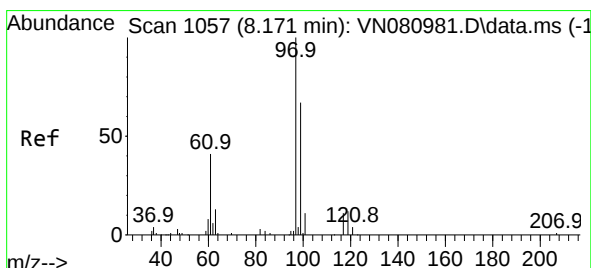
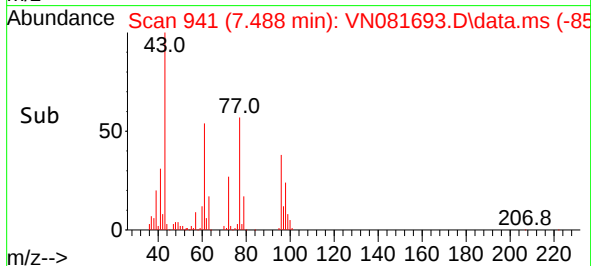
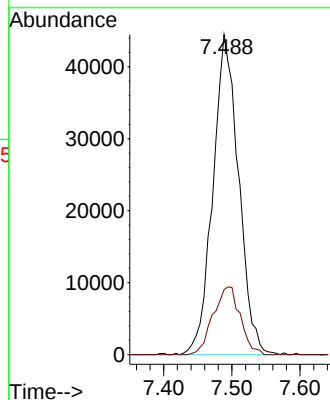
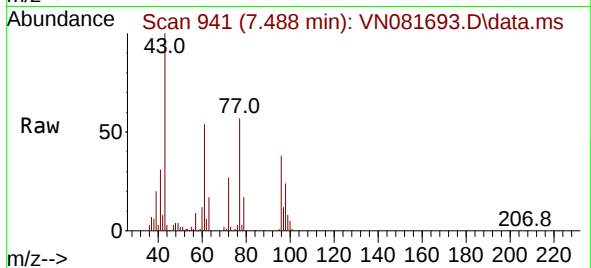
97 22.3 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2024

Supervised By :Mahesh Dadoda 04/12/2024



#32

1,1,1-Trichloroethane

Concen: 21.122 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN081693.D

Acq: 11 Apr 2024 12:28

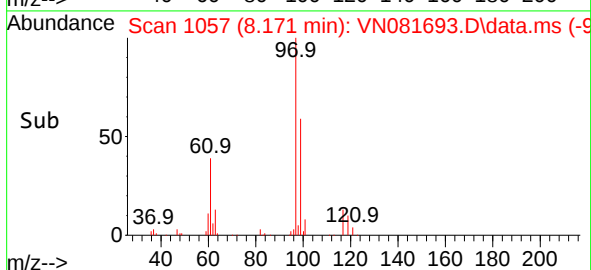
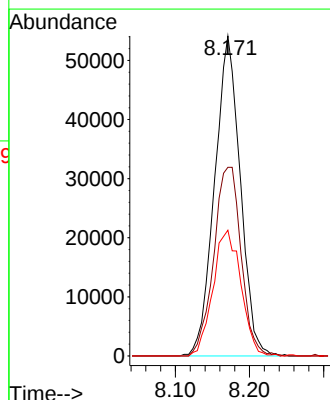
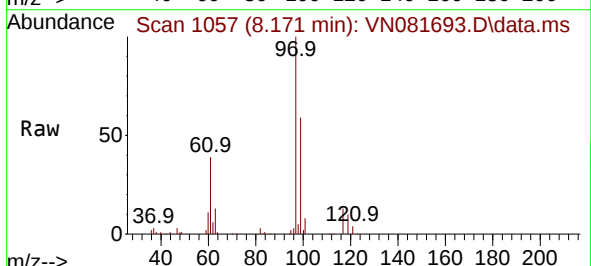
Tgt Ion: 97 Resp: 130187

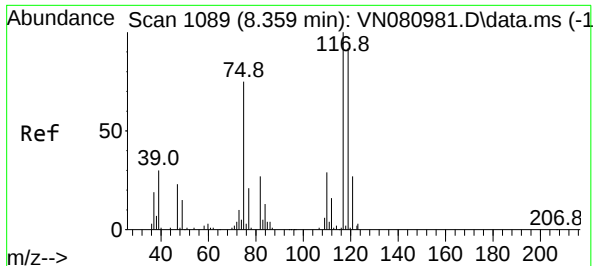
Ion Ratio Lower Upper

97 100

99 63.1 51.0 76.4

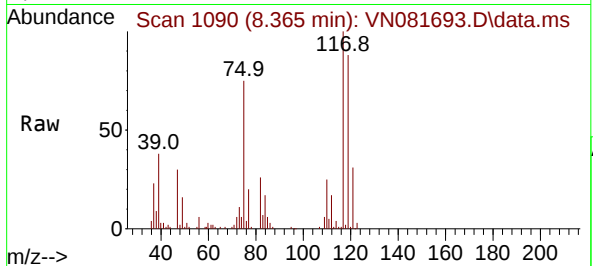
61 42.7 33.8 50.8





#33
Carbon Tetrachloride
Concen: 20.913 ug/l
RT: 8.365 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

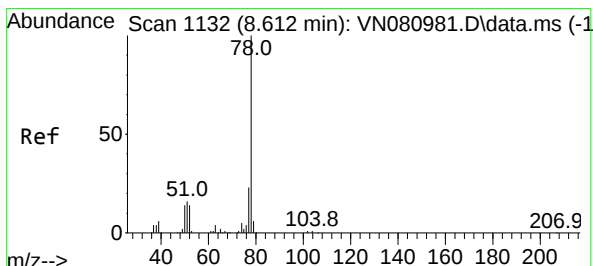
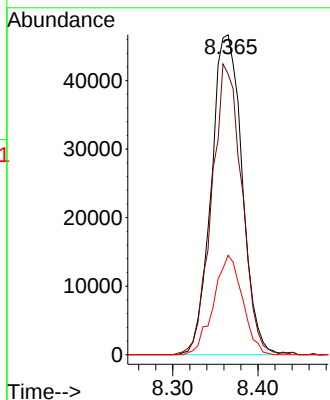
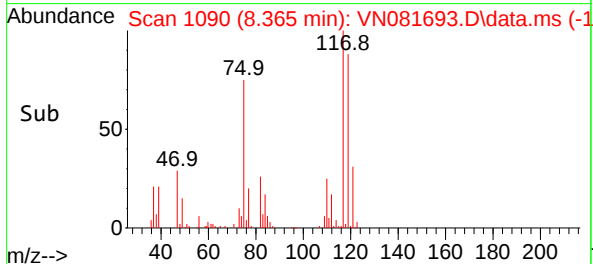
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



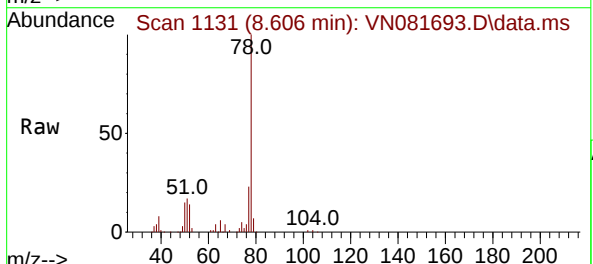
Tgt Ion: 117 Resp: 116840
Ion Ratio Lower Upper
117 100
119 87.3 77.7 116.5
121 31.1 27.0 40.6

Manual Integrations
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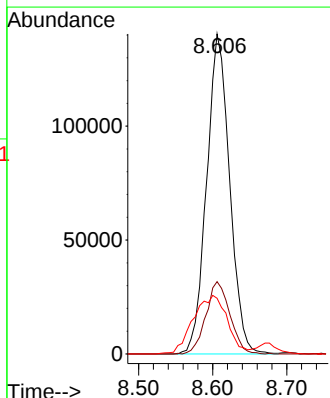
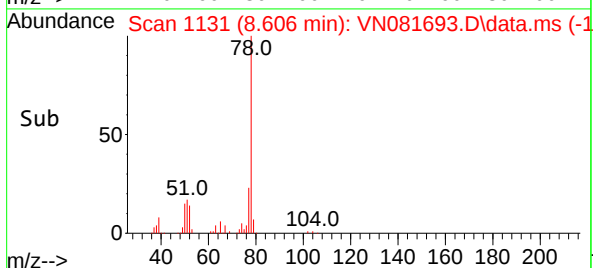
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#34
Benzene
Concen: 21.050 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28



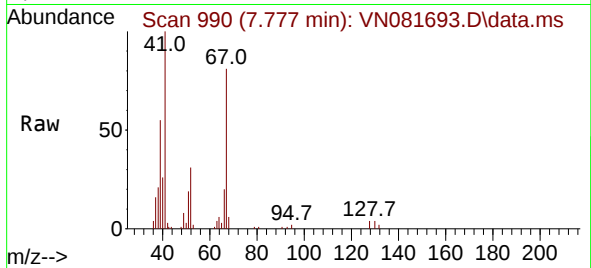
Tgt Ion: 78 Resp: 303254
Ion Ratio Lower Upper
78 100
77 22.7 19.2 28.8
51 15.9 13.3 19.9





#35
Methacrylonitrile
Concen: 22.376 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

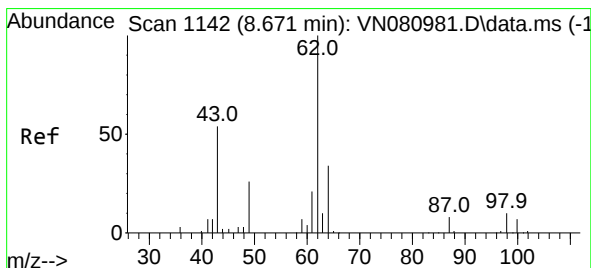
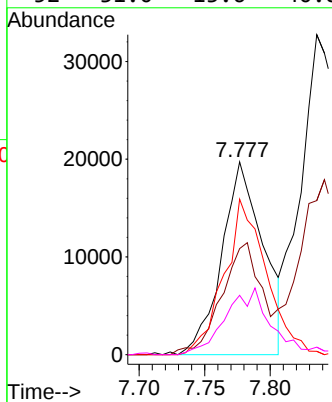
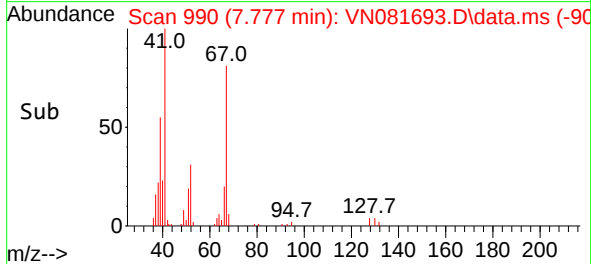
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 41 Resp: 43288
Ion Ratio Lower Upper
41 100
39 52.9 25.3 75.9
67 81.2 38.7 116.1
52 31.0 13.6 40.8

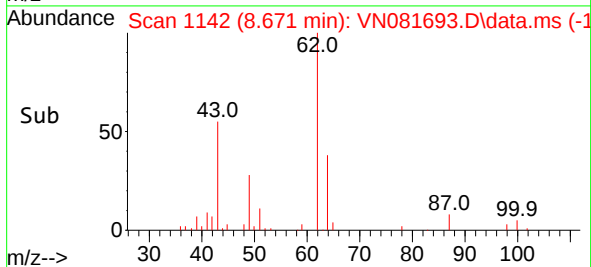
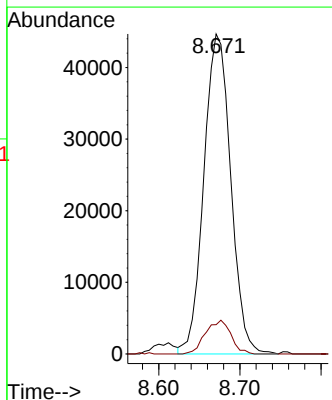
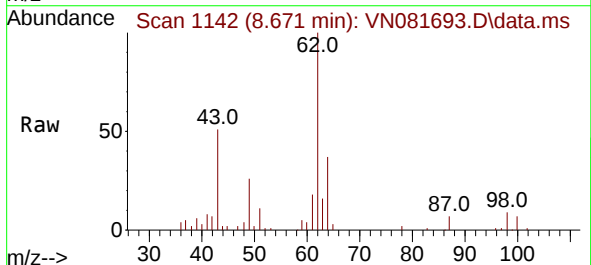
Manual Integrations
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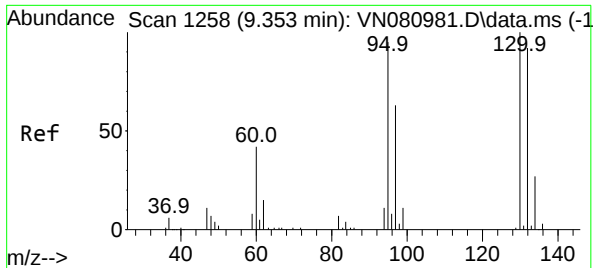
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#36
1,2-Dichloroethane
Concen: 21.751 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion: 62 Resp: 102782
Ion Ratio Lower Upper
62 100
98 10.0 8.2 12.4





#37

Trichloroethene

Concen: 20.043 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN081693.D

Acq: 11 Apr 2024 12:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 7641

Ion Ratio Lower Upper

130 100

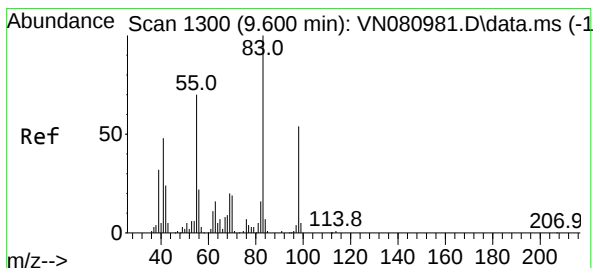
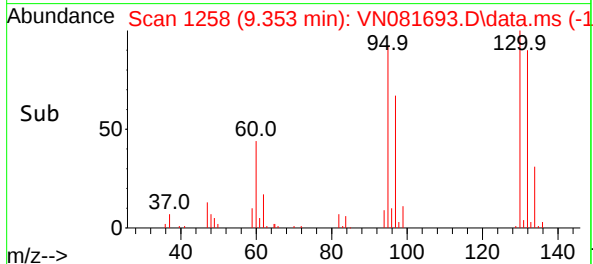
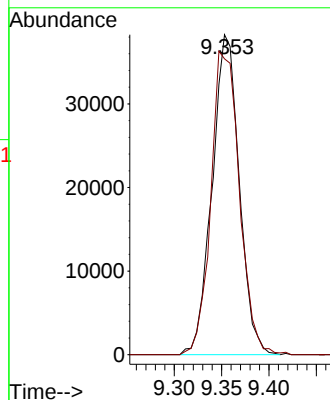
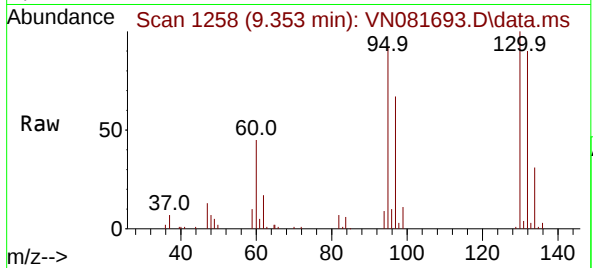
95 92.5 80.2 120.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2024

Supervised By :Mahesh Dadoda 04/12/2024



#38

Methylcyclohexane

Concen: 18.228 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN081693.D

Acq: 11 Apr 2024 12:28

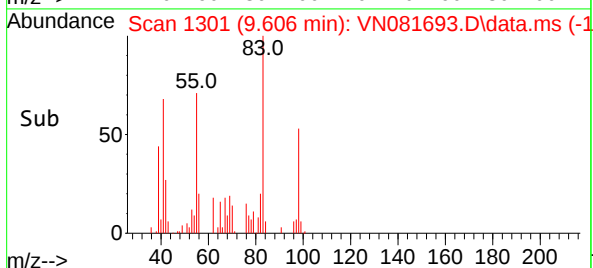
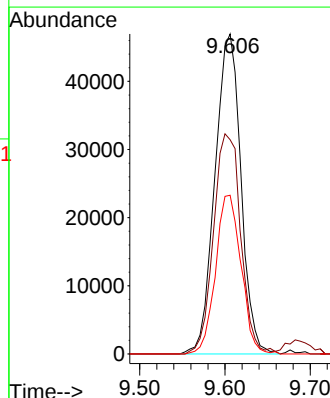
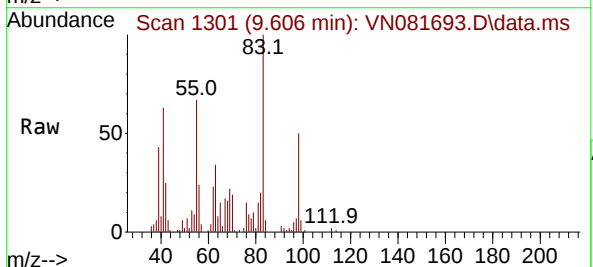
Tgt Ion: 83 Resp: 99636

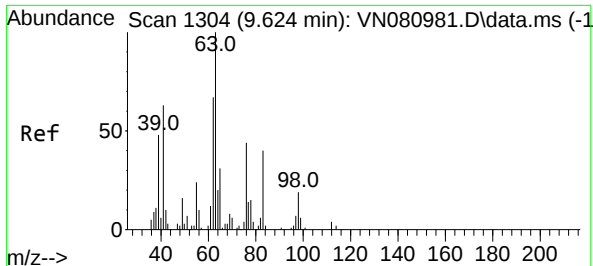
Ion Ratio Lower Upper

83 100

55 71.7 36.6 109.9

98 48.6 23.8 71.5





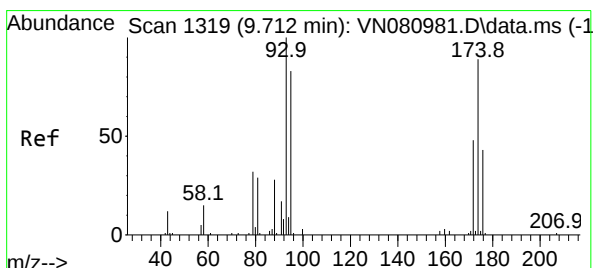
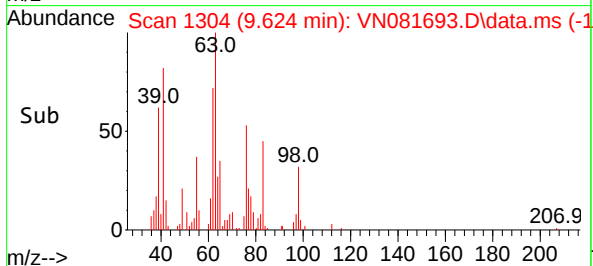
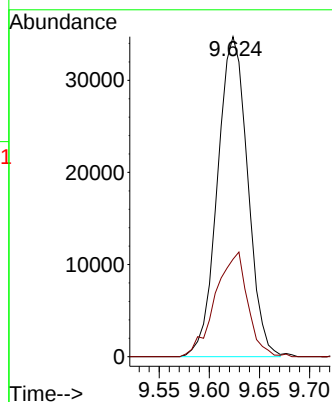
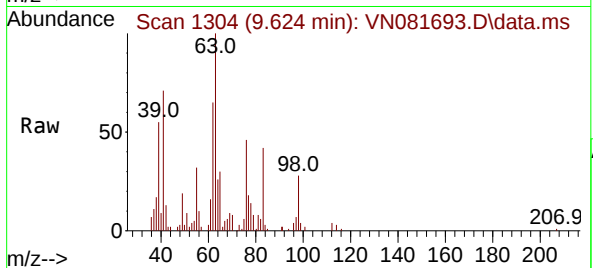
#39
1,2-Dichloropropane
Concen: 21.645 ug/l
RT: 9.624 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 72749
Ion Ratio Lower Upper
63 100
65 30.5 25.0 37.4

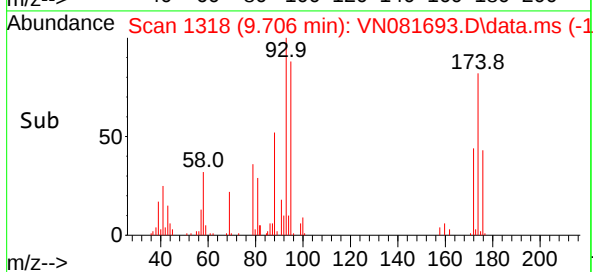
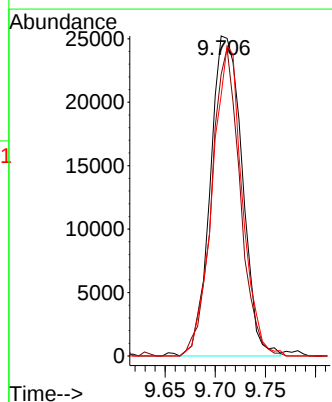
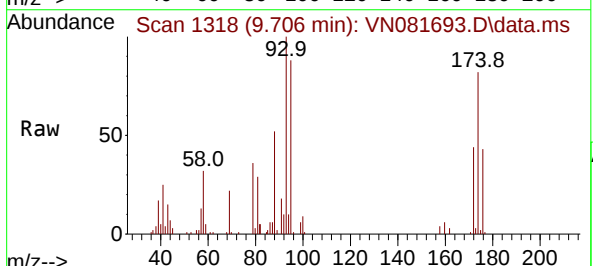
Manual Integrations
APPROVED

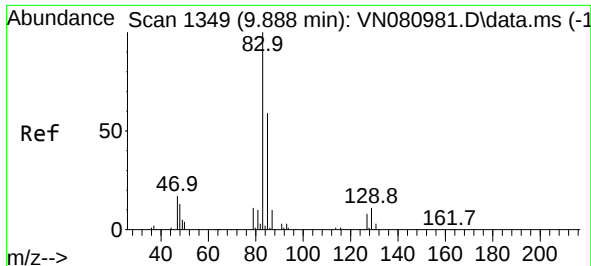
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#40
Dibromomethane
Concen: 20.801 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion: 93 Resp: 55689
Ion Ratio Lower Upper
93 100
95 85.9 0.0 164.6
174 90.4 0.0 193.2





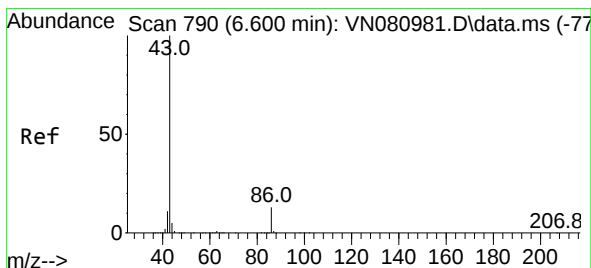
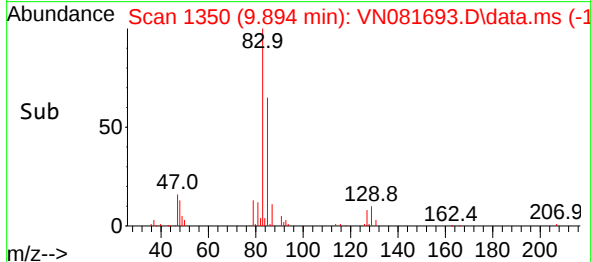
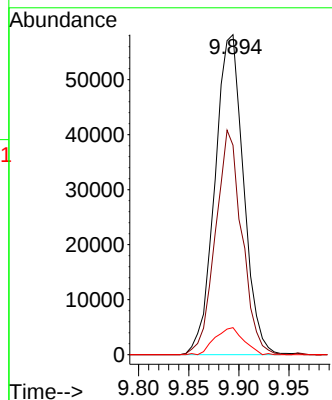
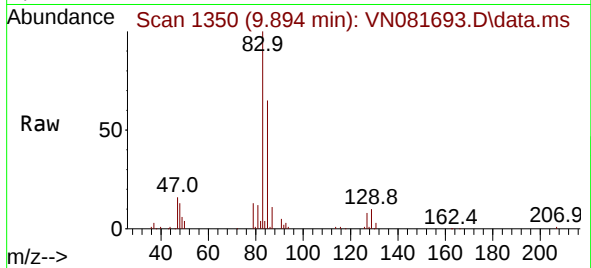
#41
Bromodichloromethane
Concen: 21.149 ug/l
RT: 9.894 min Scan# 11546
Delta R.T. 0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 11546
Ion Ratio Lower Upper
83 100
85 65.4 49.4 74.2
127 8.4 7.3 10.9

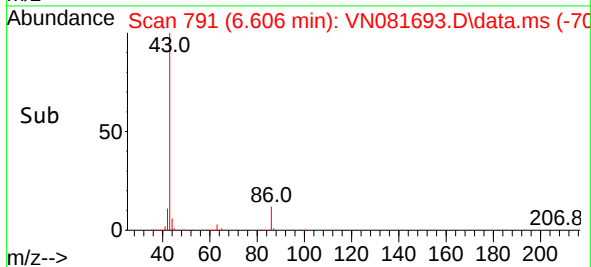
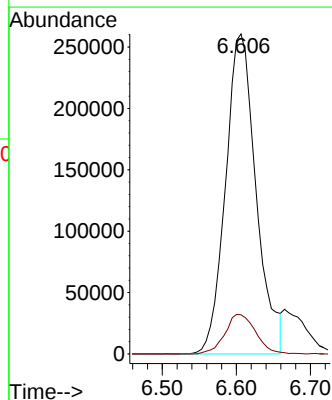
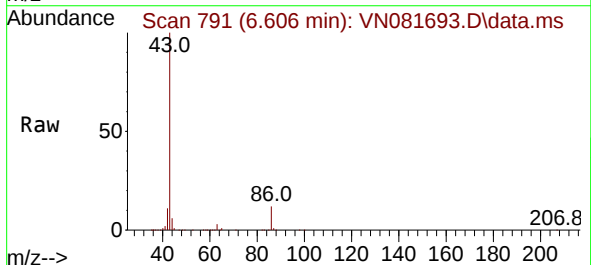
Manual Integrations
APPROVED

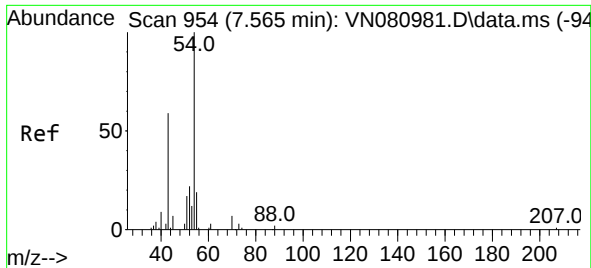
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#42
Vinyl Acetate
Concen: 104.994 ug/l
RT: 6.606 min Scan# 791
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

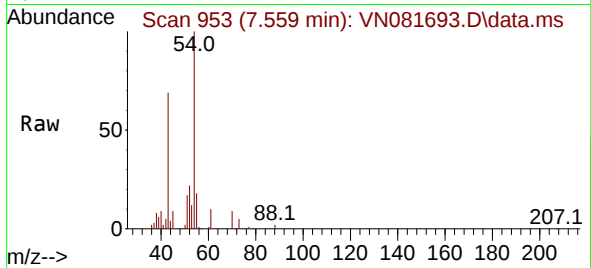
Tgt Ion: 43 Resp: 747038
Ion Ratio Lower Upper
43 100
86 12.4 9.4 14.2





#43
Ethyl Acetate
Concen: 21.294 ug/l
RT: 7.559 min Scan# 915
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

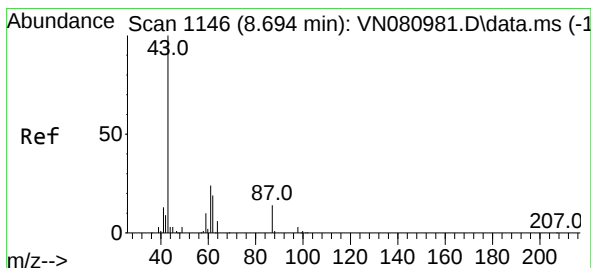
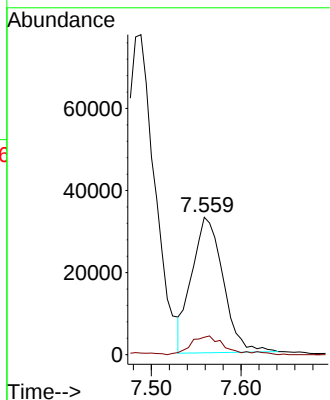
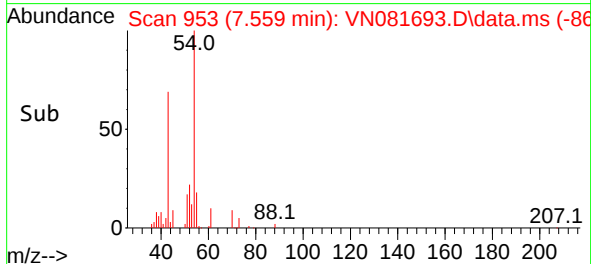
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



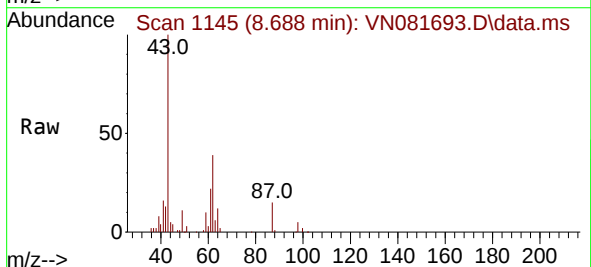
Tgt Ion: 43 Resp: 80154
Ion Ratio Lower Upper
43 100
45 14.2 10.6 15.8

Manual Integrations
APPROVED

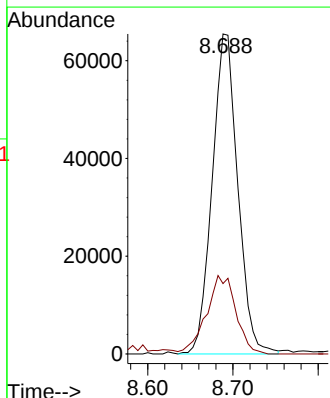
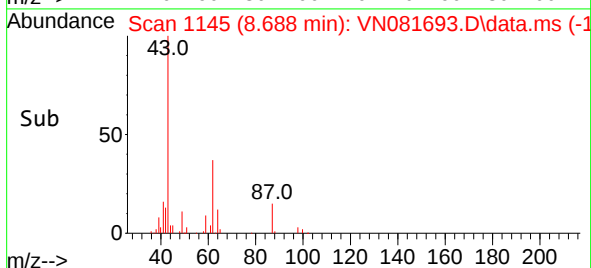
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024

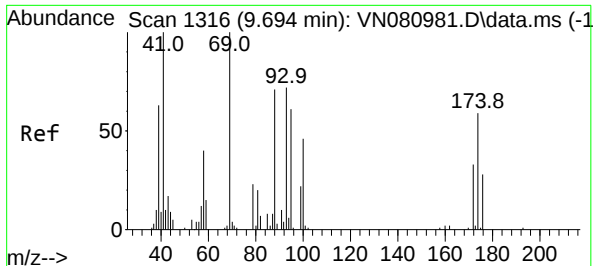


#44
Isopropyl Acetate
Concen: 21.703 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28



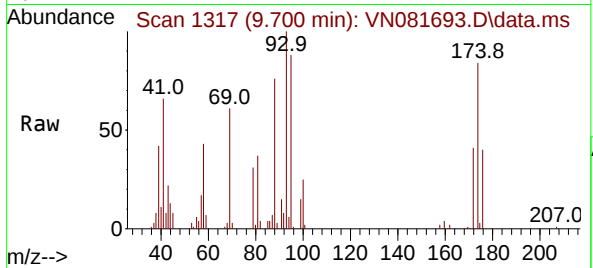
Tgt Ion: 43 Resp: 136882
Ion Ratio Lower Upper
43 100
61 28.3 25.0 37.4





#45
1,4-Dioxane
Concen: 463.390 ug/l
RT: 9.700 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

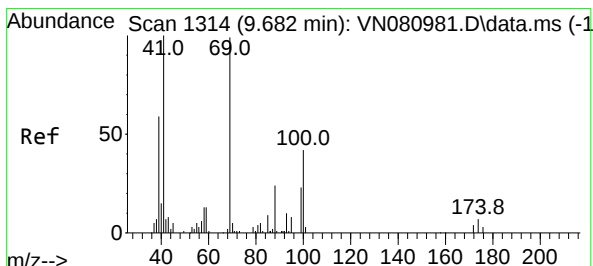
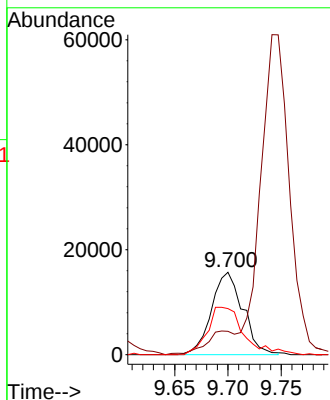
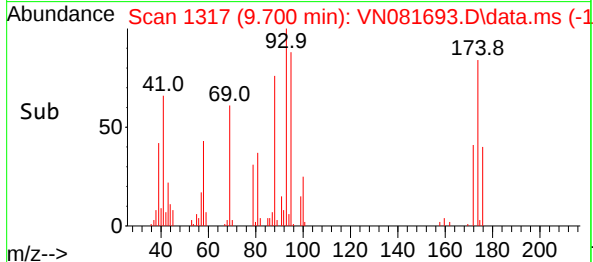
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



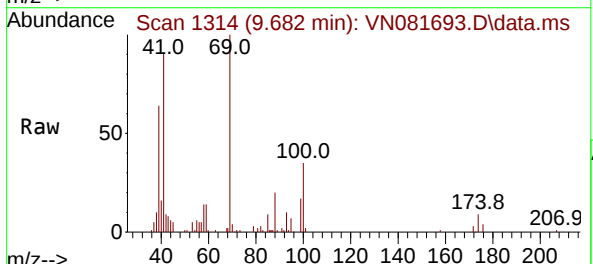
Tgt Ion: 88 Resp: 3226
Ion Ratio Lower Upper
88 100
43 25.4 19.8 29.6
58 61.1 55.4 83.0

Manual Integrations
APPROVED

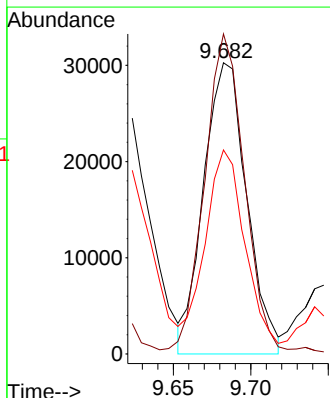
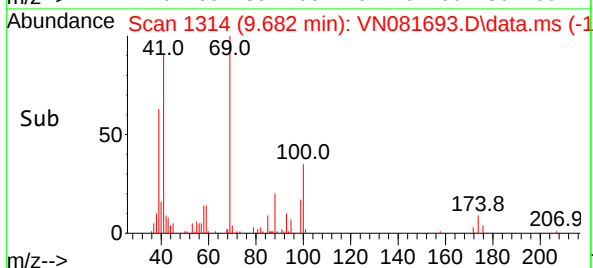
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024

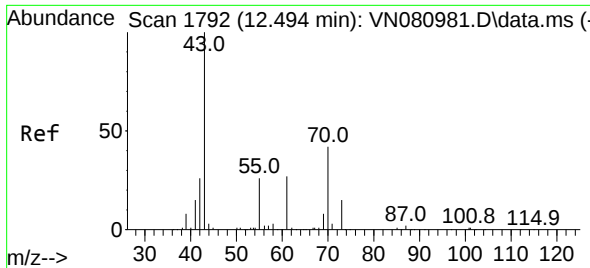


#46
Methyl methacrylate
Concen: 20.632 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28



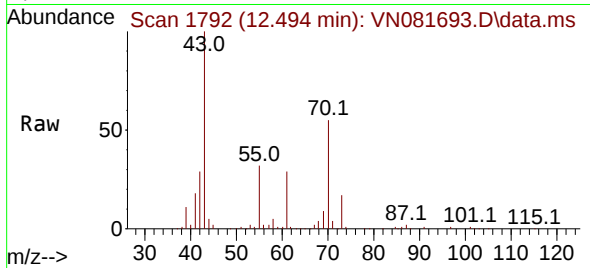
Tgt Ion: 41 Resp: 58519
Ion Ratio Lower Upper
41 100
69 114.0 51.1 153.3
39 70.5 25.8 77.3





#47
n-amyl acetate
Concen: 20.456 ug/l
RT: 12.494 min Scan# 115770
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

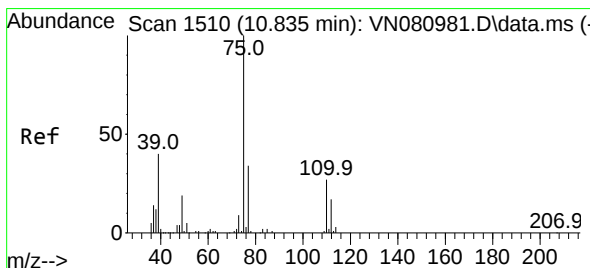
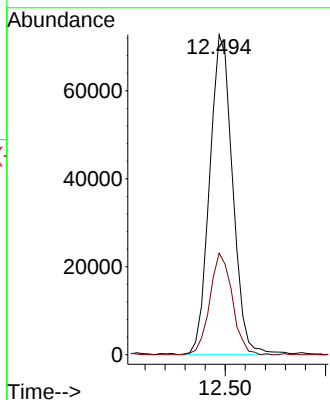
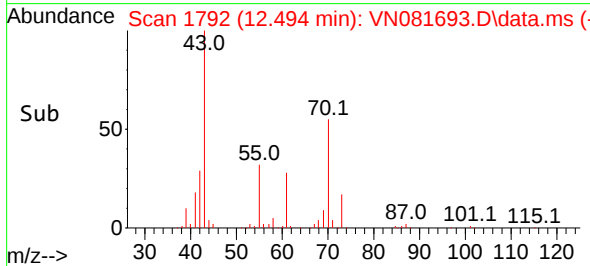
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



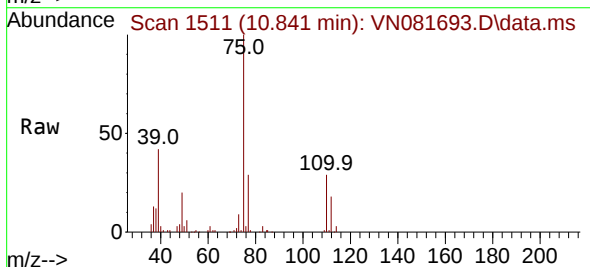
Tgt Ion: 43 Resp: 115770
Ion Ratio Lower Upper
43 100
55 30.9 23.4 35.2

Manual Integrations
APPROVED

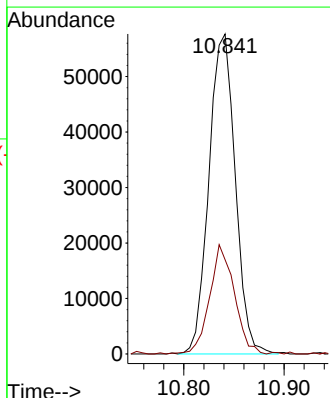
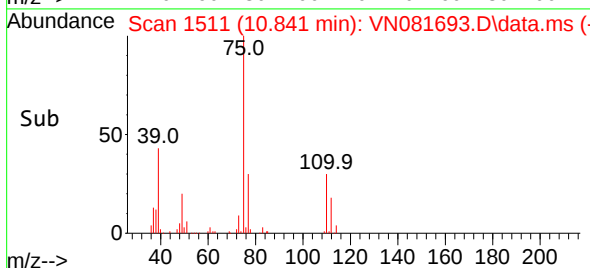
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024

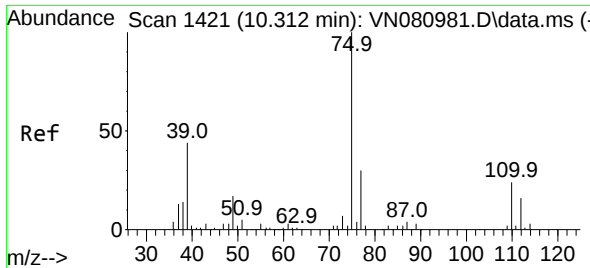


#48
t-1,3-Dichloropropene
Concen: 20.273 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28



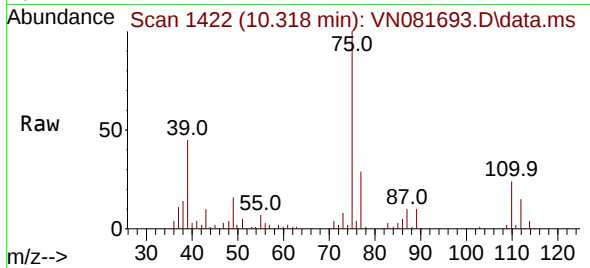
Tgt Ion: 75 Resp: 105448
Ion Ratio Lower Upper
75 100
77 29.1 23.8 35.6





#49
 cis-1,3-Dichloropropene
 Concen: 20.372 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN081693.D
 Acq: 11 Apr 2024 12:28

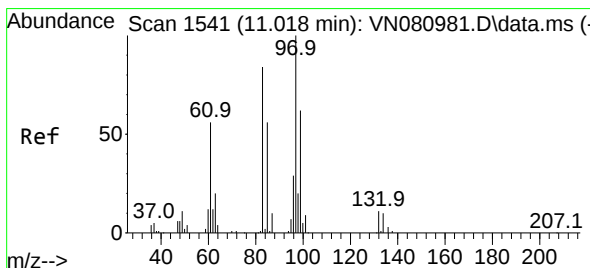
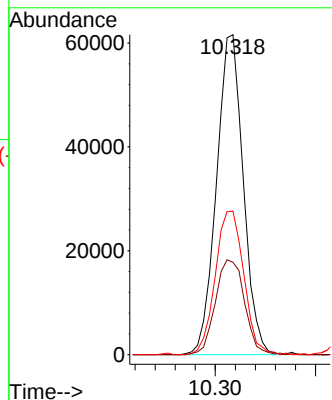
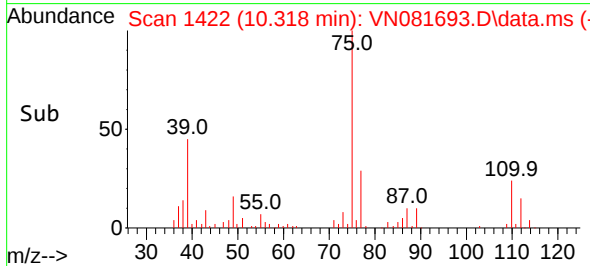
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 75 Resp: 114109
 Ion Ratio Lower Upper
 75 100
 77 28.8 24.9 37.3
 39 44.8 31.0 46.6

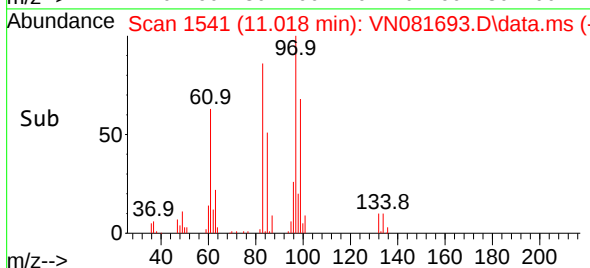
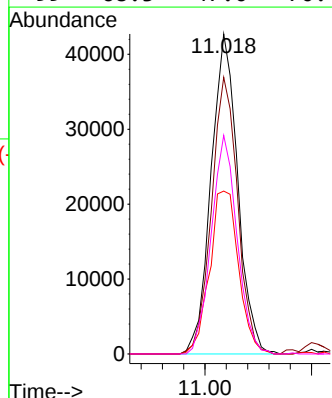
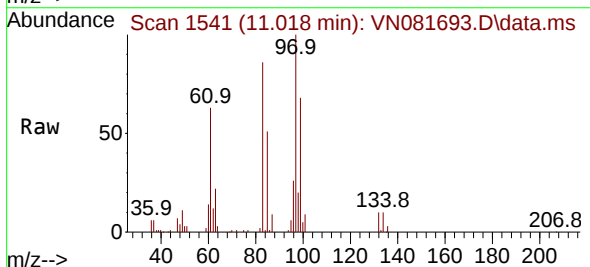
Manual Integrations
 APPROVED

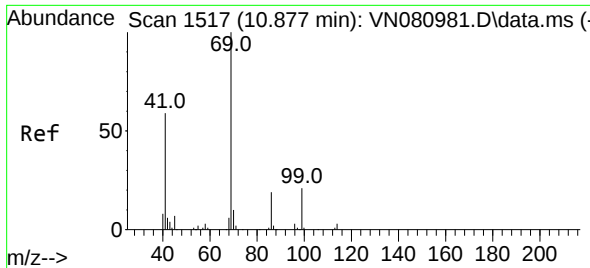
Reviewed By :John Carlone 04/12/2024
 Supervised By :Mahesh Dadoda 04/12/2024



#50
 1,1,2-Trichloroethane
 Concen: 20.698 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. -0.000 min
 Lab File: VN081693.D
 Acq: 11 Apr 2024 12:28

Tgt Ion: 97 Resp: 74200
 Ion Ratio Lower Upper
 97 100
 83 86.5 68.1 102.1
 85 50.9 41.8 62.6
 99 68.3 47.0 70.4





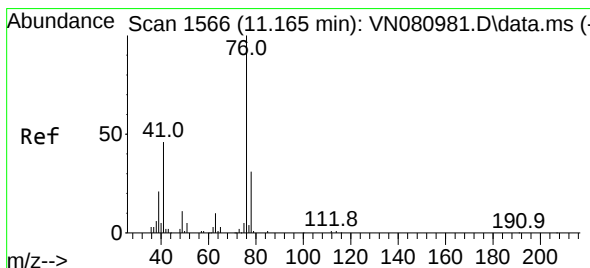
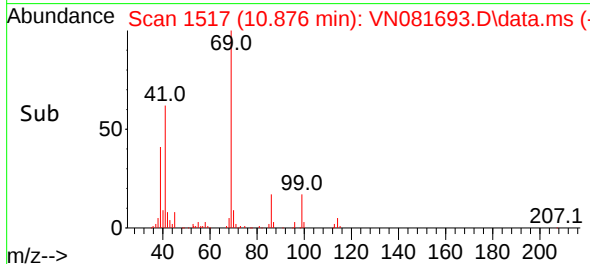
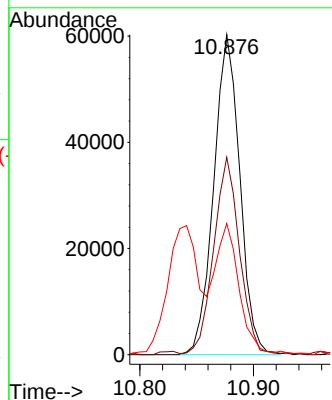
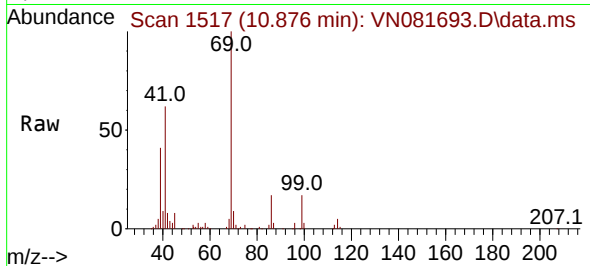
#51
Ethyl methacrylate
Concen: 19.278 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 69 Resp: 96228
Ion Ratio Lower Upper
69 100
41 61.3 25.5 76.5
39 39.9 16.0 47.9

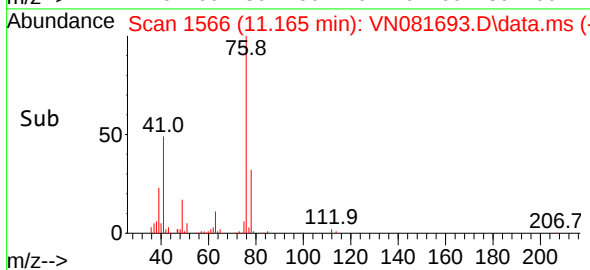
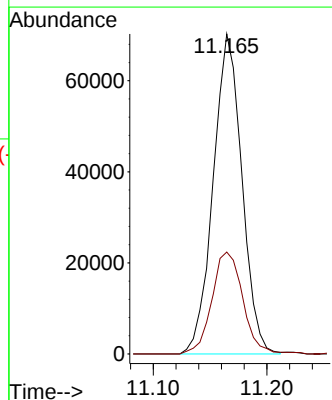
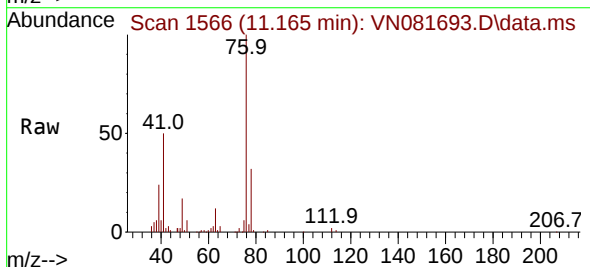
Manual Integrations
APPROVED

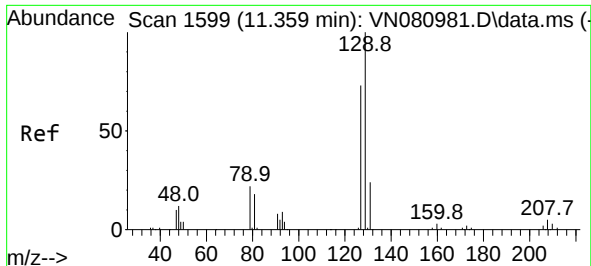
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#52
1,3-Dichloropropane
Concen: 20.975 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

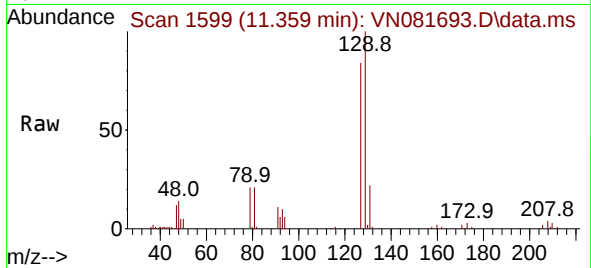
Tgt Ion: 76 Resp: 123247
Ion Ratio Lower Upper
76 100
78 34.1 0.0 65.8





#53
Dibromochloromethane
Concen: 20.274 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

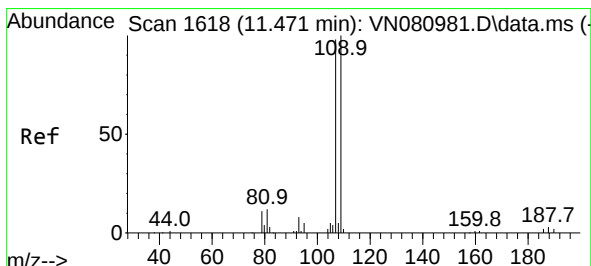
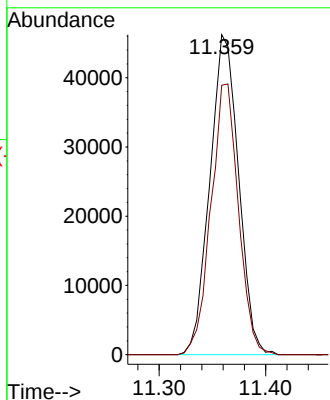
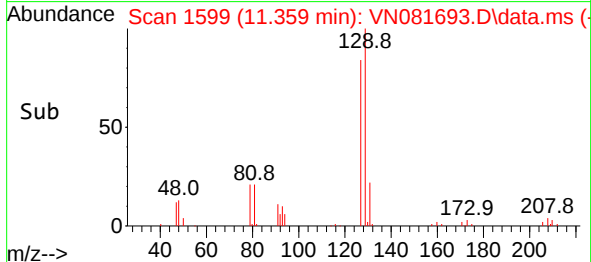
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



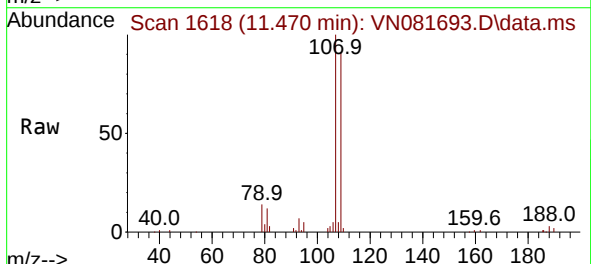
Tgt Ion:129 Resp: 86820
Ion Ratio Lower Upper
129 100
127 80.8 39.4 118.1

Manual Integrations
APPROVED

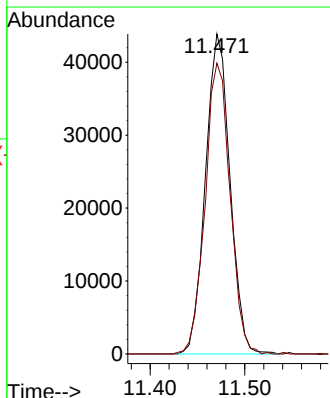
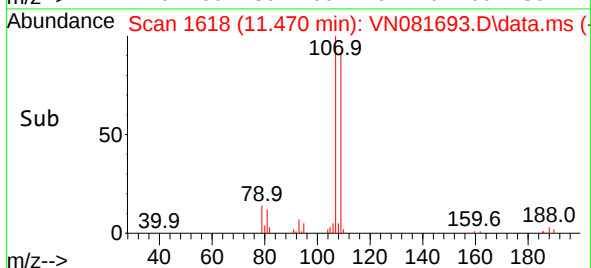
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024

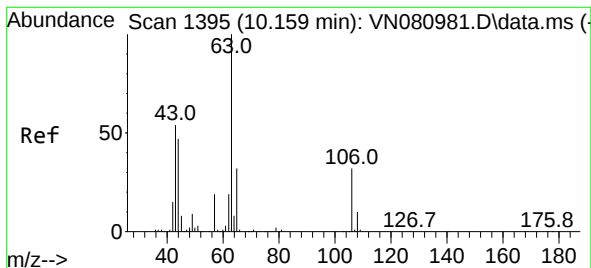


#54
1,2-Dibromoethane
Concen: 21.333 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28



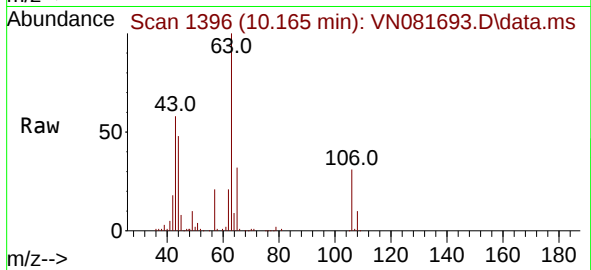
Tgt Ion:107 Resp: 79050
Ion Ratio Lower Upper
107 100
109 92.2 74.7 112.1





#55
2-Chloroethyl vinyl ether
Concen: 108.117 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

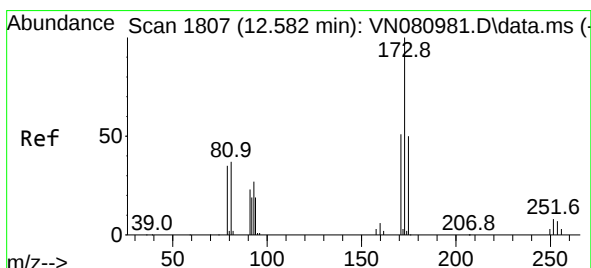
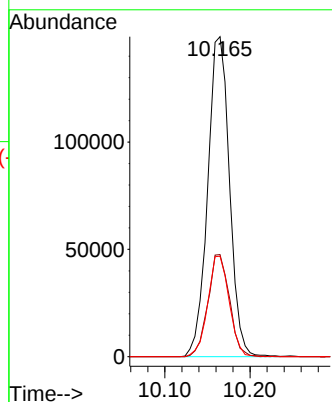
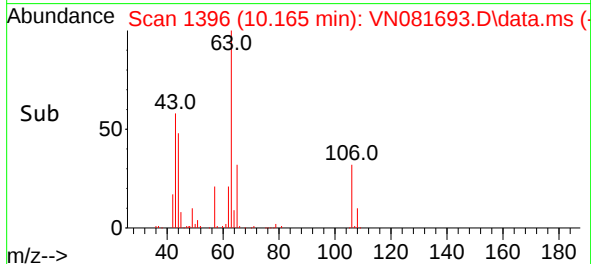
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 265014
Ion Ratio Lower Upper
63 100
65 31.5 26.2 39.2
106 30.8 23.8 35.8

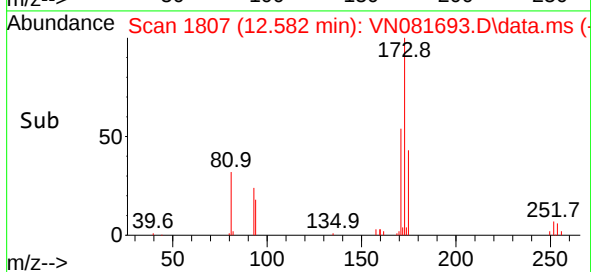
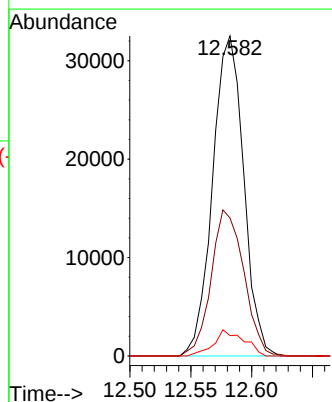
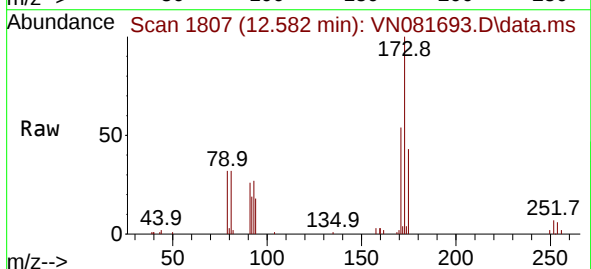
Manual Integrations
APPROVED

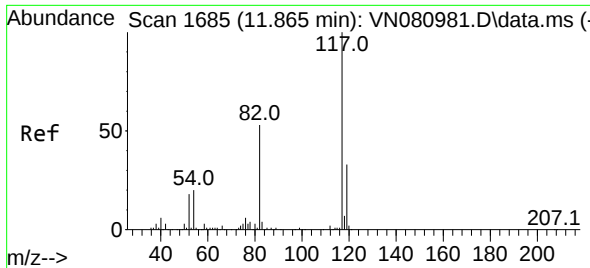
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#56
Bromoform
Concen: 21.066 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

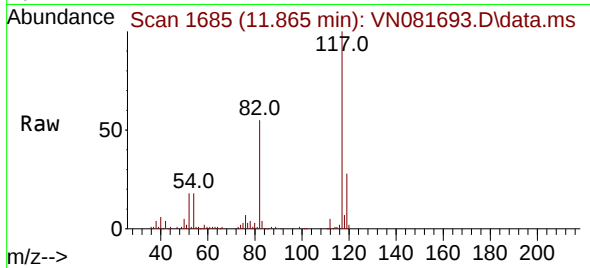
Tgt Ion:173 Resp: 57683
Ion Ratio Lower Upper
173 100
175 48.0 40.0 60.0
254 7.9 8.3 12.5#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

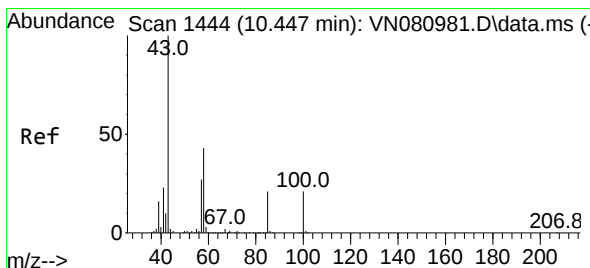
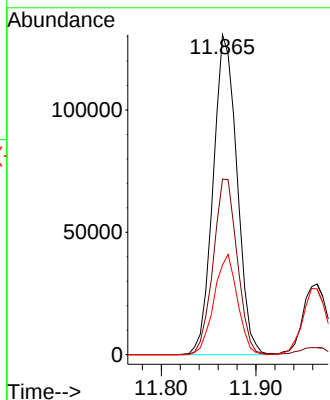
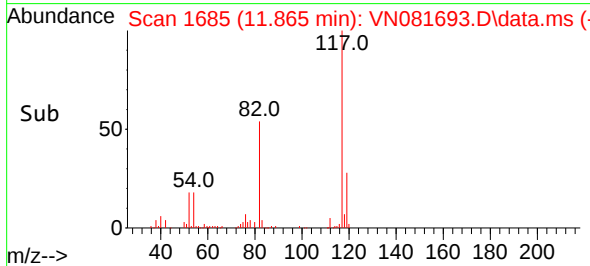
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 117 Resp: 228839
Ion Ratio Lower Upper
117 100
82 55.4 46.6 69.8
119 30.8 25.4 38.2

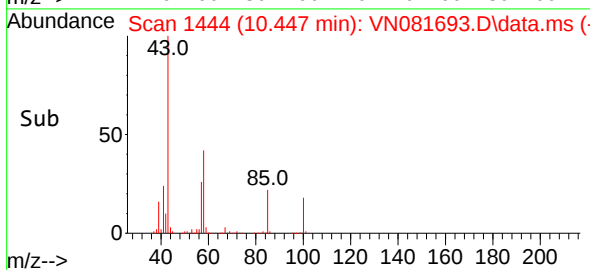
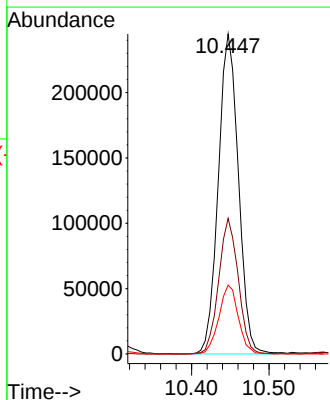
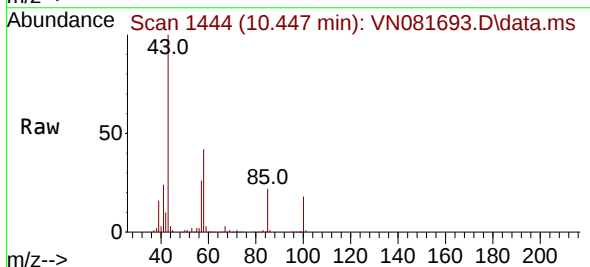
Manual Integrations
APPROVED

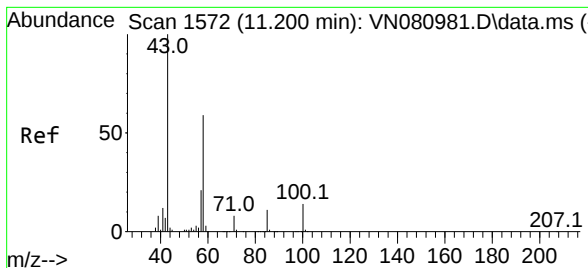
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#58
4-Methyl-2-Pentanone
Concen: 112.410 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

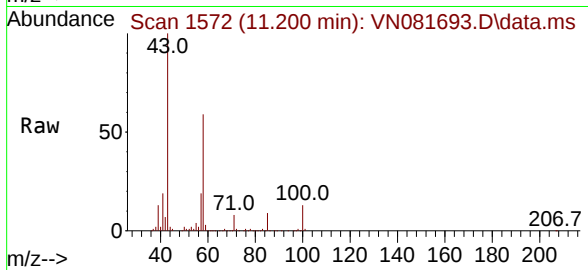
Tgt Ion: 43 Resp: 442373
Ion Ratio Lower Upper
43 100
58 41.2 36.5 54.7
85 20.8 19.5 29.3





#59
2-Hexanone
Concen: 115.578 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

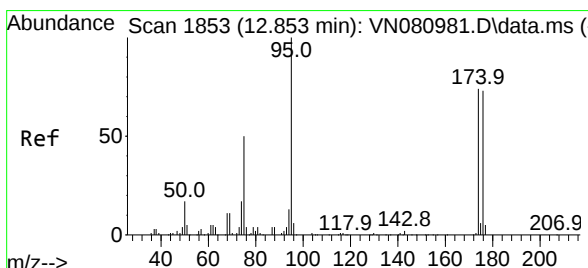
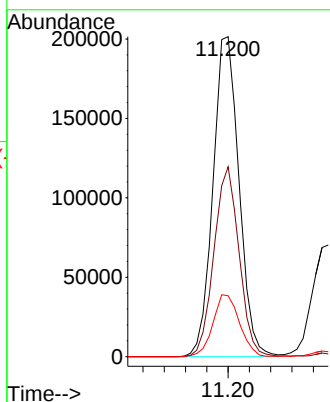
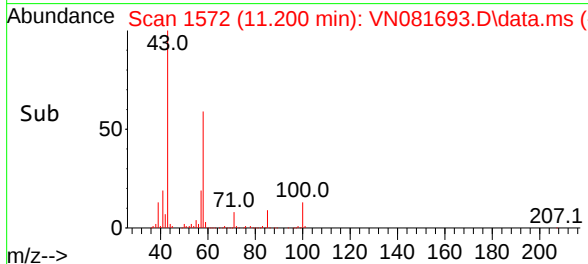
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



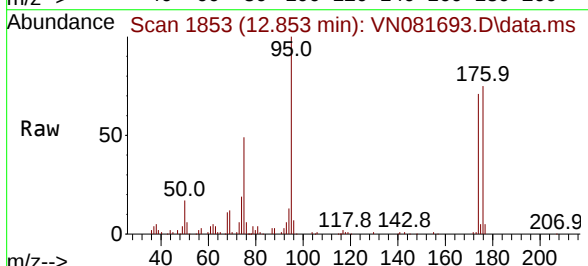
Tgt Ion: 43 Resp: 341588
Ion Ratio Lower Upper
43 100
58 57.2 50.4 75.6
57 19.8 18.6 27.8

Manual Integrations
APPROVED

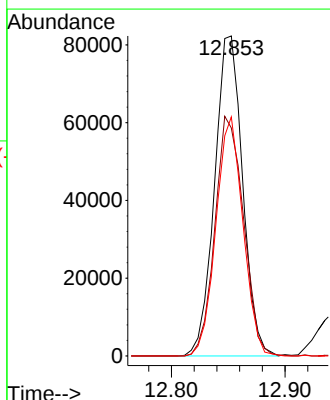
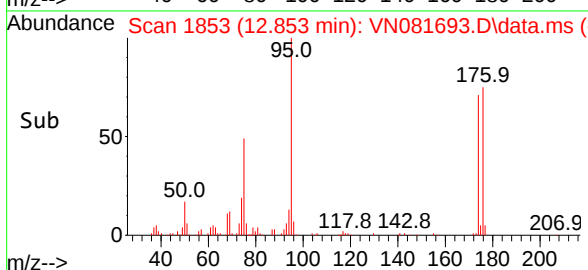
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024

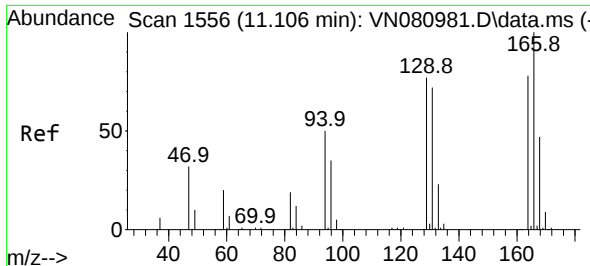


#60
4-Bromofluorobenzene
Concen: 31.334 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28



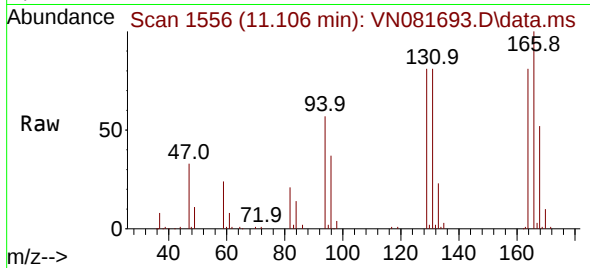
Tgt Ion: 95 Resp: 140973
Ion Ratio Lower Upper
95 100
174 76.5 60.5 90.7
176 72.1 57.8 86.6





#61
Tetrachloroethene
Concen: 19.557 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

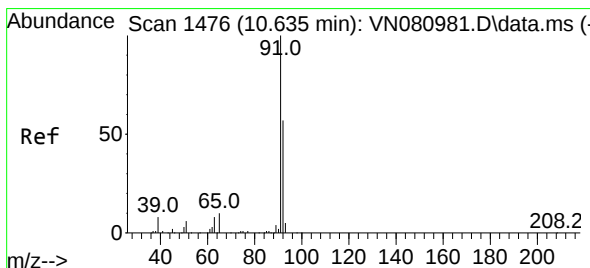
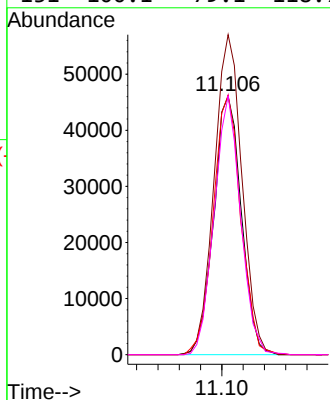
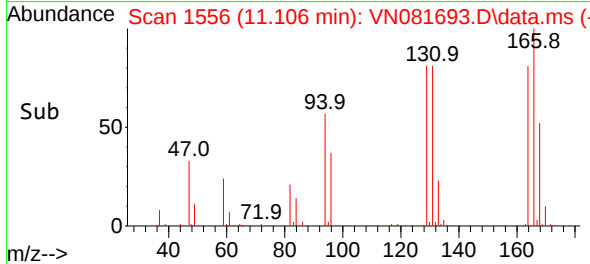
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



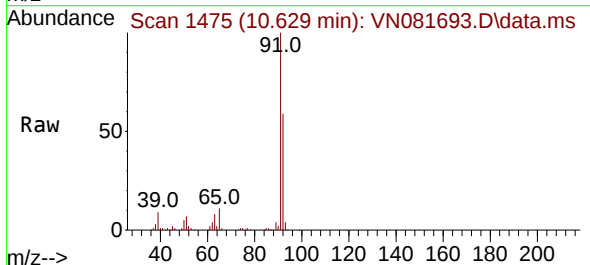
Tgt Ion:164 Resp: 82929
Ion Ratio Lower Upper
164 100
166 123.8 106.7 160.1
129 100.4 85.8 128.6
131 100.1 79.1 118.7

Manual Integrations
APPROVED

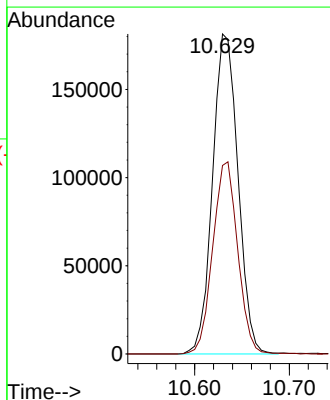
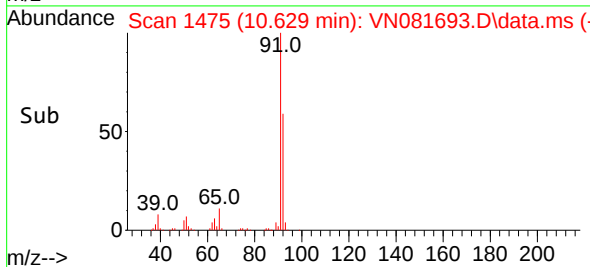
Reviewed By :John Carbone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024

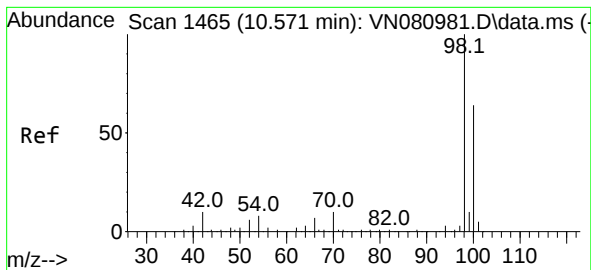


#62
Toluene
Concen: 20.354 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28



Tgt Ion: 91 Resp: 338856
Ion Ratio Lower Upper
91 100
92 58.8 46.5 69.7





#63

Toluene-d8

Concen: 31.056 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081693.D

Acq: 11 Apr 2024 12:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 98 Resp: 285074

Ion Ratio Lower Upper

98 100

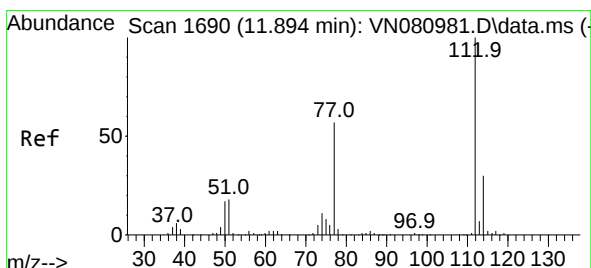
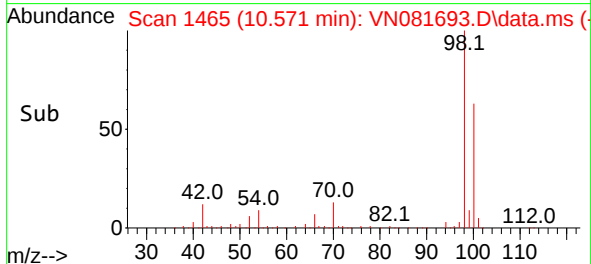
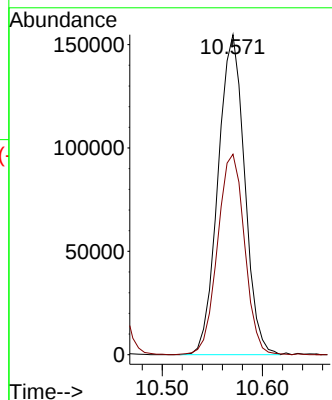
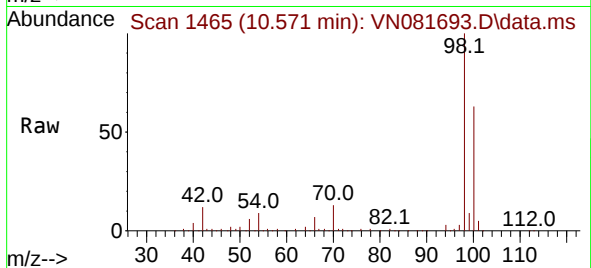
100 63.6 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2024

Supervised By :Mahesh Dadoda 04/12/2024



#64

Chlorobenzene

Concen: 19.674 ug/l

RT: 11.894 min Scan# 1690

Delta R.T. -0.000 min

Lab File: VN081693.D

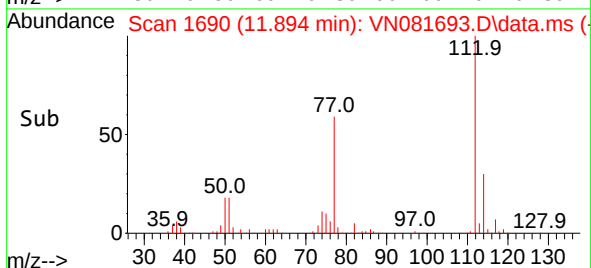
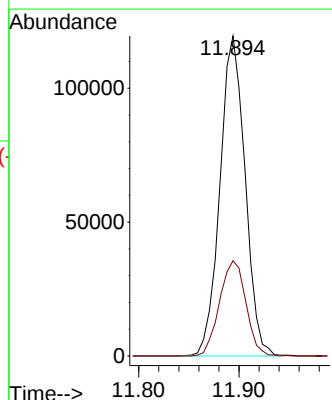
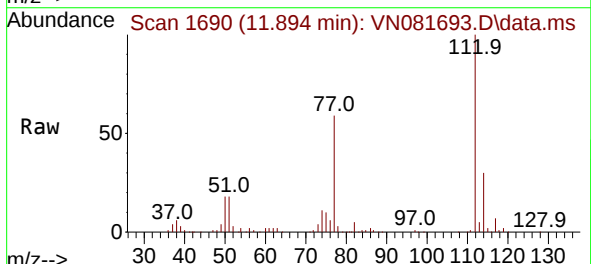
Acq: 11 Apr 2024 12:28

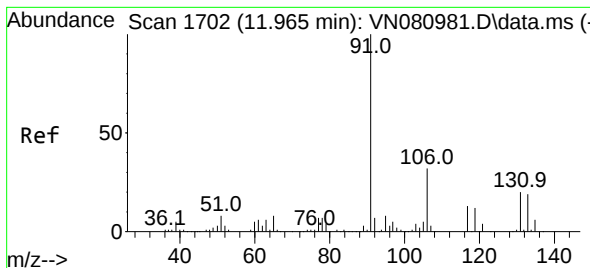
Tgt Ion:112 Resp: 207695

Ion Ratio Lower Upper

112 100

114 29.7 26.6 39.8





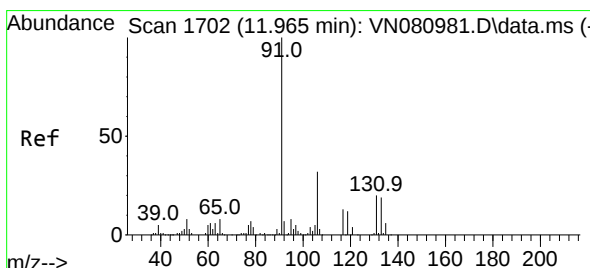
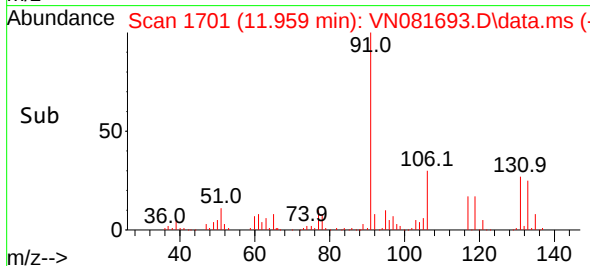
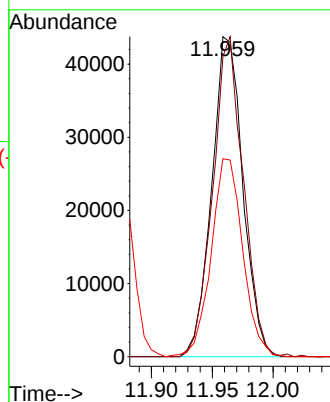
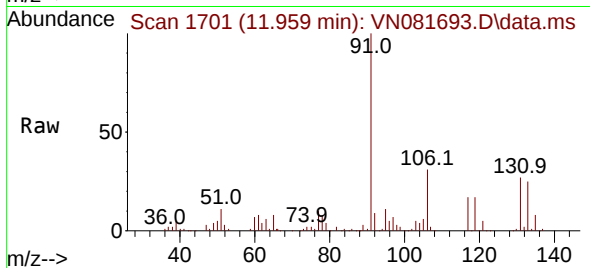
#65
1,1,1,2-Tetrachloroethane
Concen: 20.262 ug/l
RT: 11.959 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:131 Resp: 7770
Ion Ratio Lower Upper
131 100
133 97.8 0.0 188.0
119 62.8 0.0 122.8

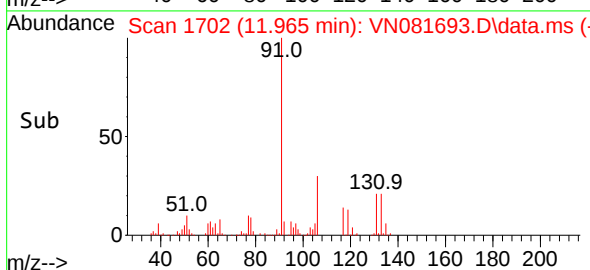
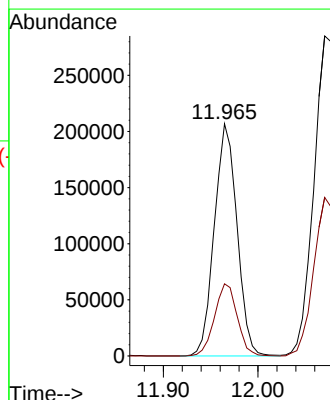
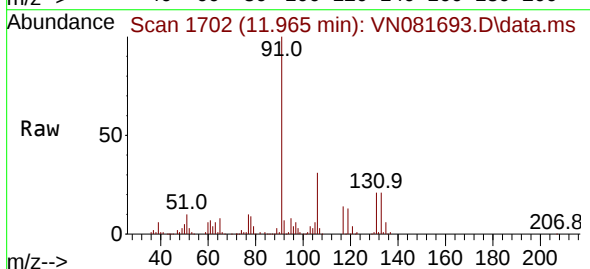
Manual Integrations
APPROVED

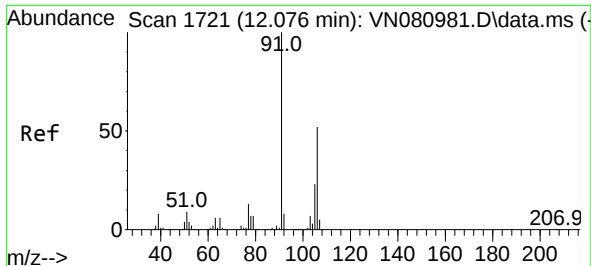
Reviewed By :John Carbone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#66
Ethyl Benzene
Concen: 19.458 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

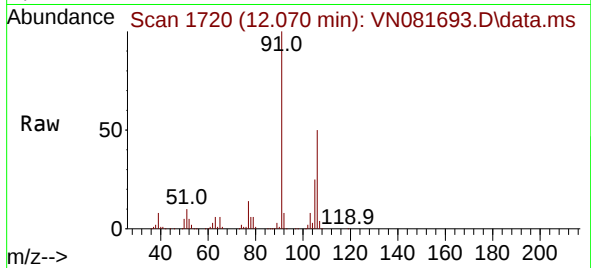
Tgt Ion: 91 Resp: 344430
Ion Ratio Lower Upper
91 100
106 31.0 24.4 36.6





#67
m/p-Xylenes
Concen: 39.483 ug/l
RT: 12.070 min Scan# 1721
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

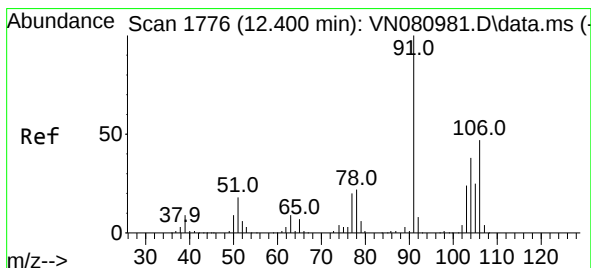
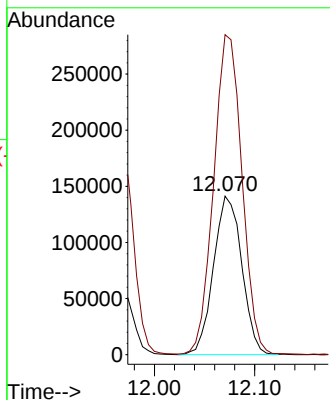
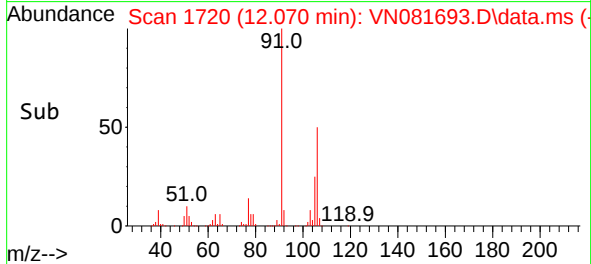
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:106 Resp: 27683
Ion Ratio Lower Upper
106 100
91 200.9 166.6 249.8

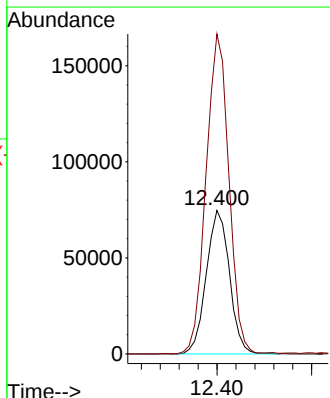
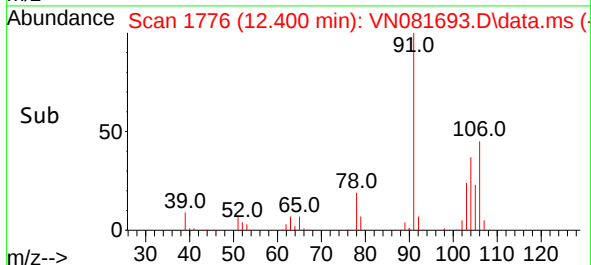
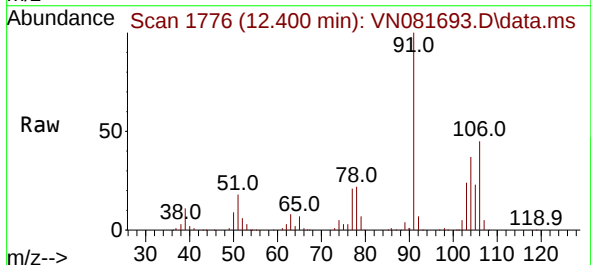
Manual Integrations
APPROVED

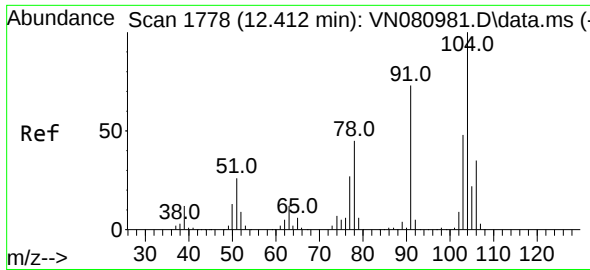
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#68
o-Xylene
Concen: 19.087 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion:106 Resp: 127046
Ion Ratio Lower Upper
106 100
91 219.3 110.0 330.0





#69

Styrene

Concen: 19.636 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VN081693.D

Acq: 11 Apr 2024 12:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

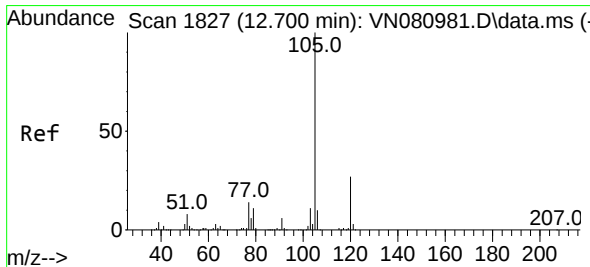
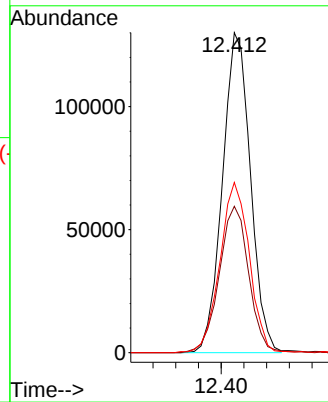
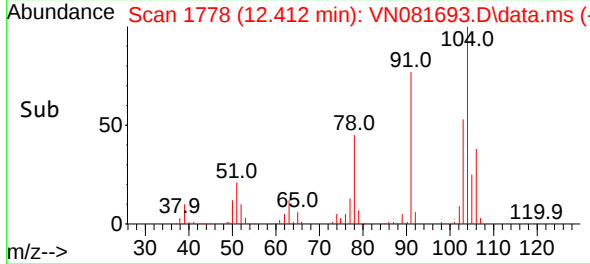
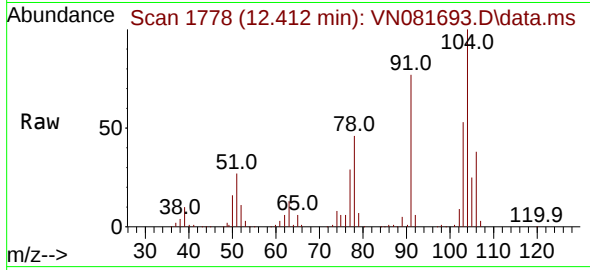
Tgt Ion:104 Resp: 22259
 Ion Ratio Lower Upper
 104 100
 78 48.2 42.6 64.0
 103 55.9 43.7 65.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2024

Supervised By :Mahesh Dadoda 04/12/2024



#70

Isopropylbenzene

Concen: 19.543 ug/l

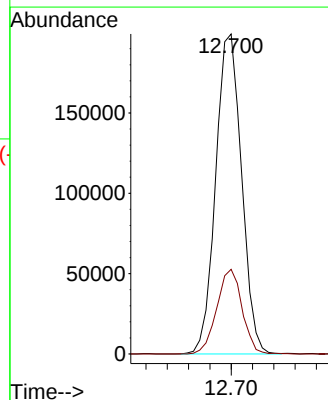
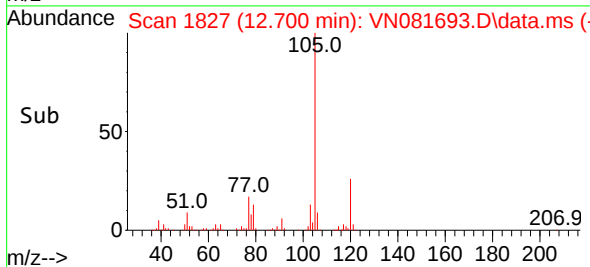
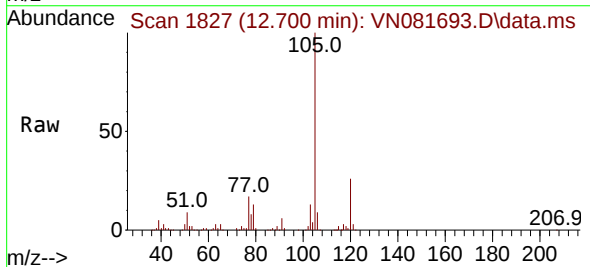
RT: 12.700 min Scan# 1827

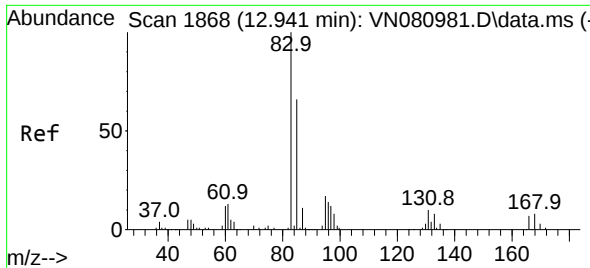
Delta R.T. 0.006 min

Lab File: VN081693.D

Acq: 11 Apr 2024 12:28

Tgt Ion:105 Resp: 335590
 Ion Ratio Lower Upper
 105 100
 120 25.8 17.8 33.1





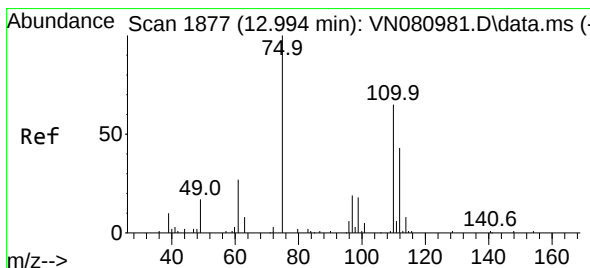
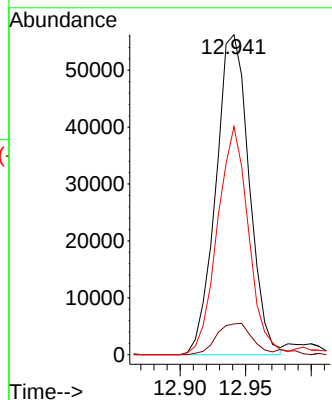
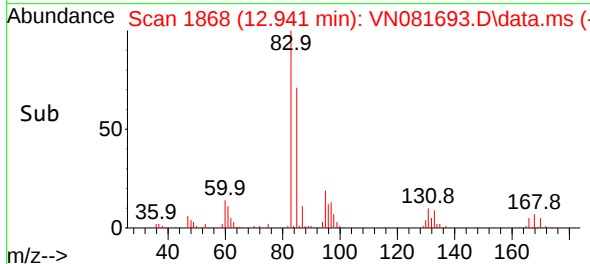
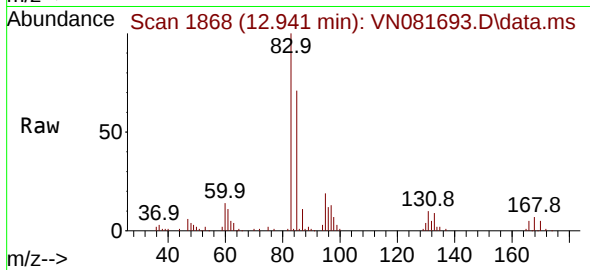
#71
1,1,2,2-Tetrachloroethane
Concen: 22.090 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument : MSVOA_N
ClientSampleId : VSTDCCC020

Tgt Ion: 83 Resp: 9909
Ion Ratio Lower Upper
83 100
131 10.5 5.2 15.6
85 66.9 32.3 96.8

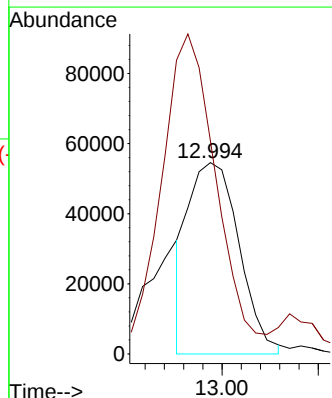
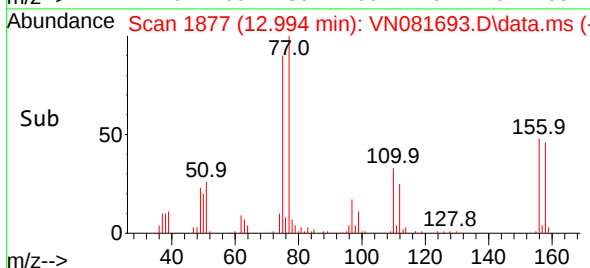
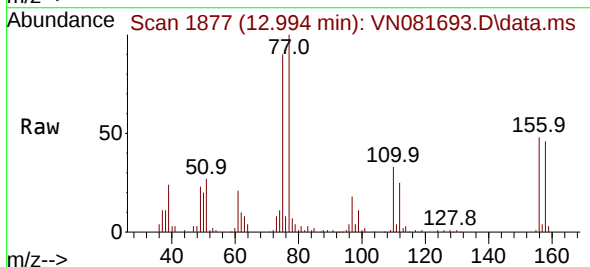
Manual Integrations
APPROVED

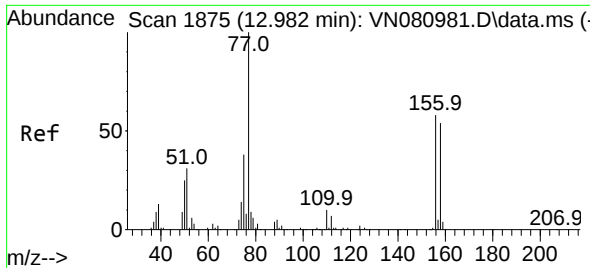
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#72
1,2,3-Trichloropropane
Concen: 24.025 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion: 75 Resp: 99774
Ion Ratio Lower Upper
75 100
77 182.3 0.0 367.6





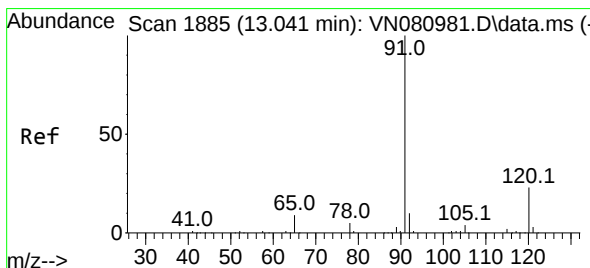
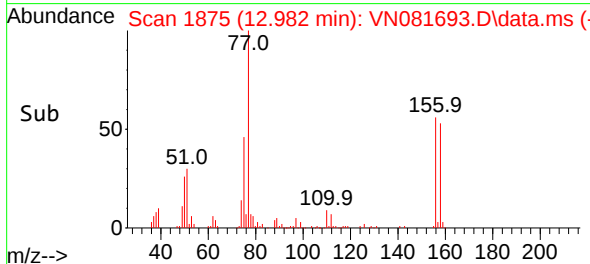
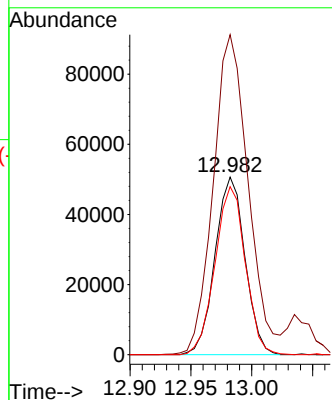
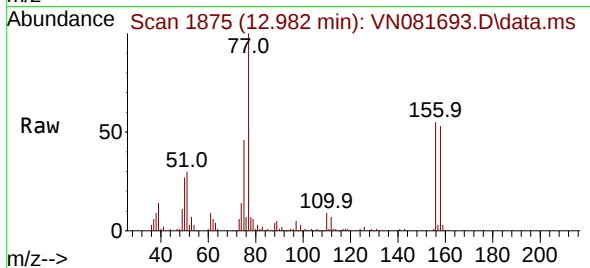
#73
Bromobenzene
Concen: 20.339 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:156 Resp: 8654
Ion Ratio Lower Upper
156 100
77 210.2 0.0 437.6
158 95.9 0.0 203.8

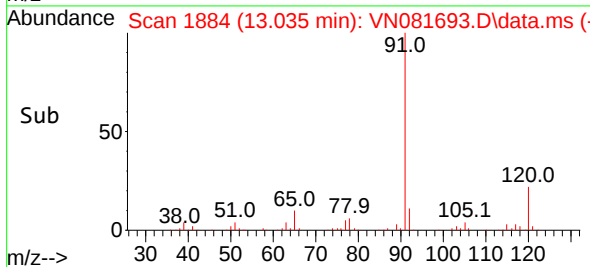
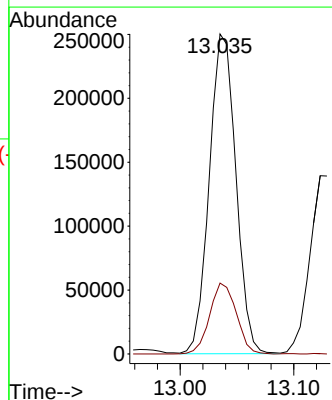
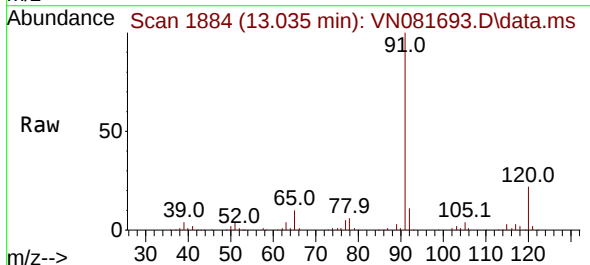
Manual Integrations
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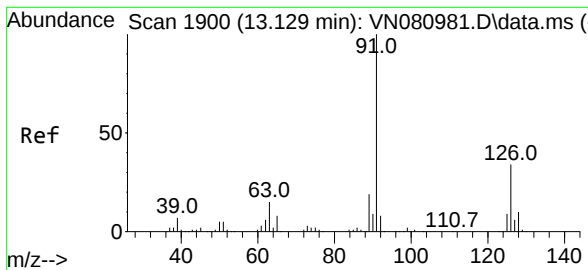
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#74
n-propylbenzene
Concen: 19.820 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion: 91 Resp: 407395
Ion Ratio Lower Upper
91 100
120 22.2 0.0 43.8





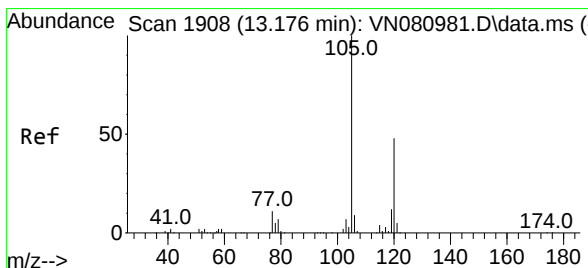
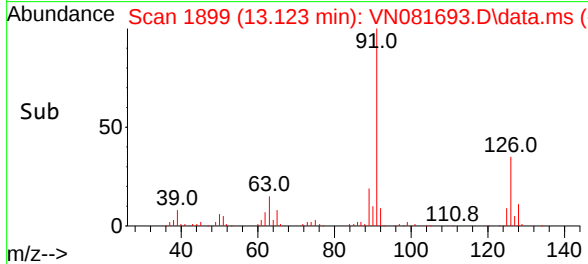
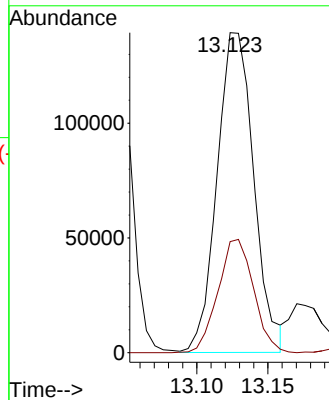
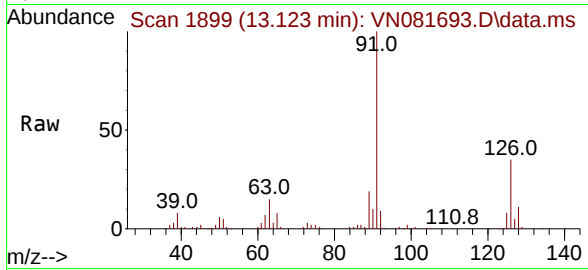
#75
2-Chlorotoluene
Concen: 20.507 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 251124
Ion Ratio Lower Upper
91 100
126 34.3 0.0 61.2

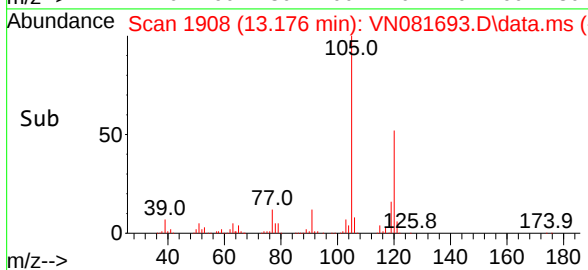
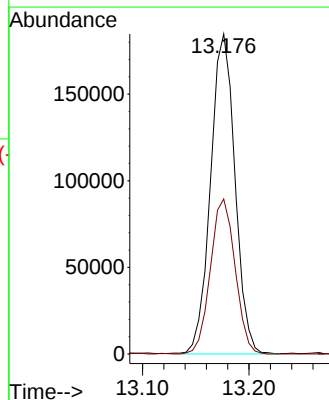
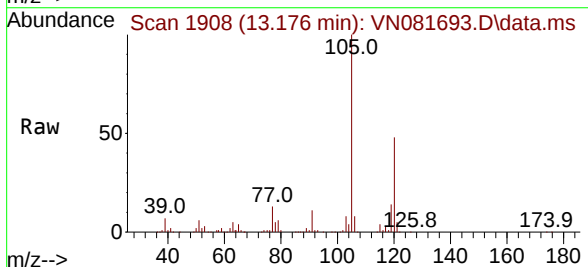
Manual Integrations
APPROVED

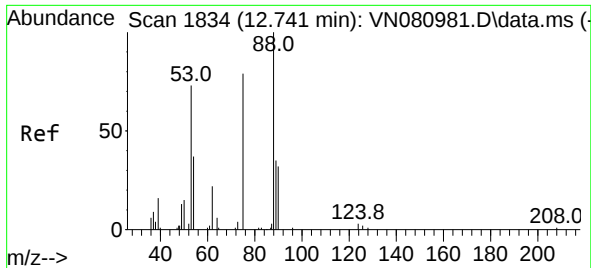
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#76
1,3,5-Trimethylbenzene
Concen: 20.183 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

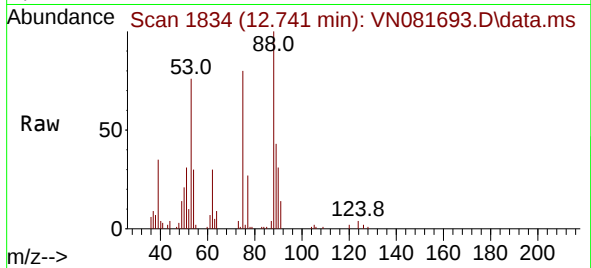
Tgt Ion:105 Resp: 294171
Ion Ratio Lower Upper
105 100
120 48.9 0.0 95.8





#77
t-1,4-Dichloro-2-butene
Concen: 20.357 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

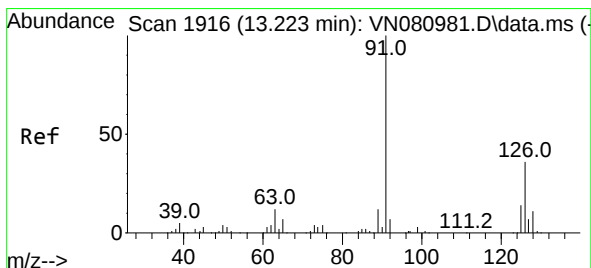
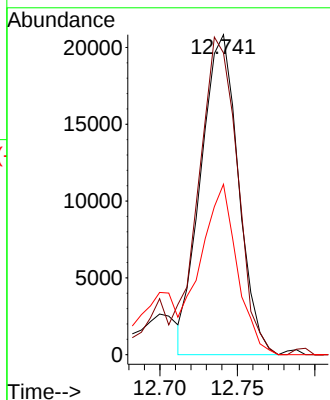
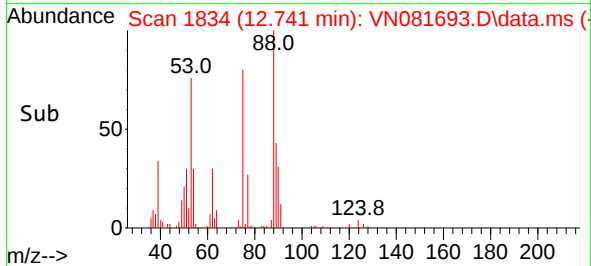
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 35010
Ion Ratio Lower Upper
75 100
53 94.3 45.9 137.7
89 53.3 25.9 77.7

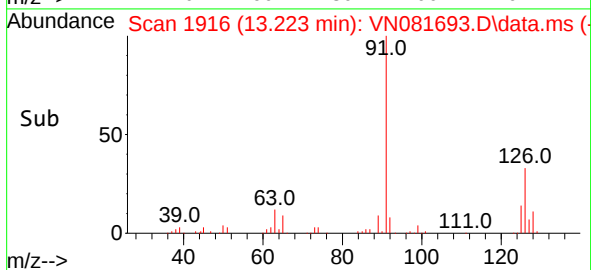
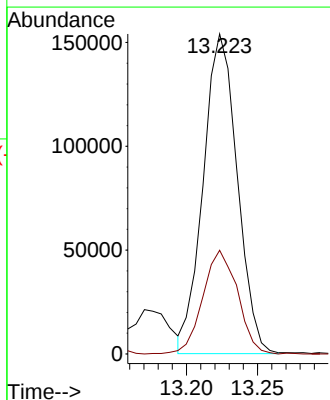
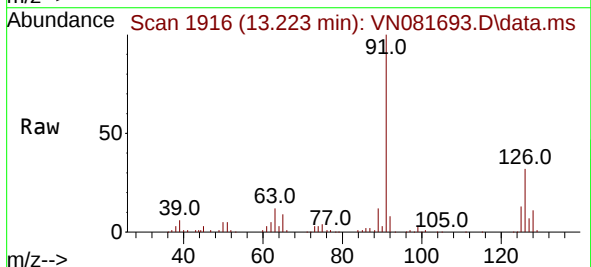
Manual Integrations
APPROVED

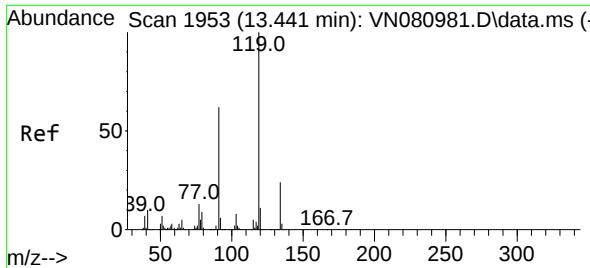
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#78
4-Chlorotoluene
Concen: 21.142 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion: 91 Resp: 256793
Ion Ratio Lower Upper
91 100
126 33.1 0.0 62.8





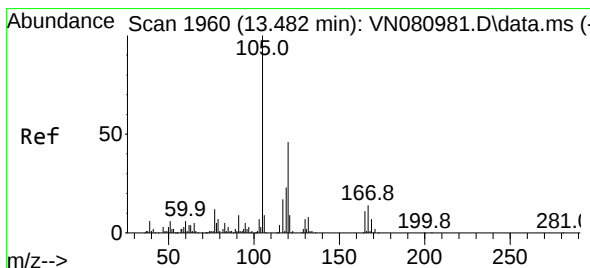
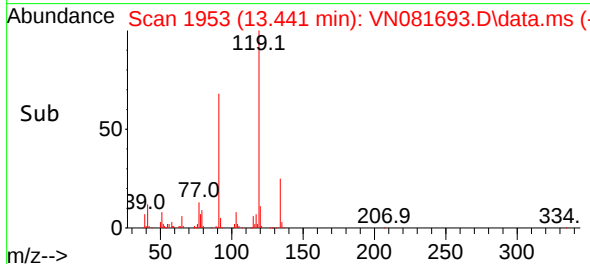
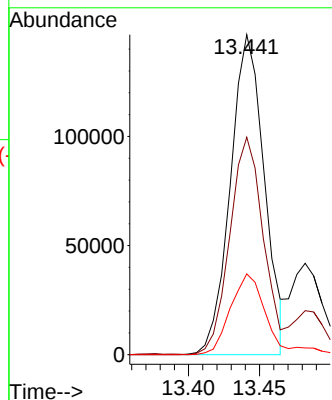
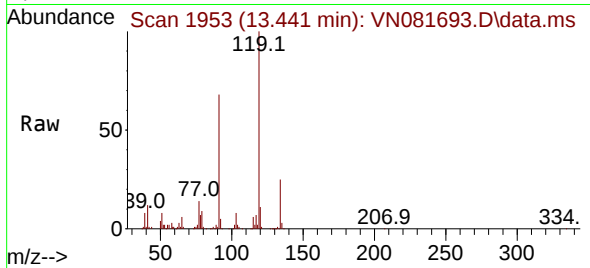
#79
tert-butylbenzene
Concen: 19.662 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 243804
Ion Ratio Lower Upper
119 100
91 66.9 0.0 138.8
134 25.3 0.0 48.6

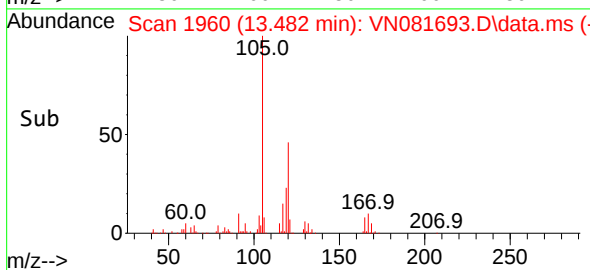
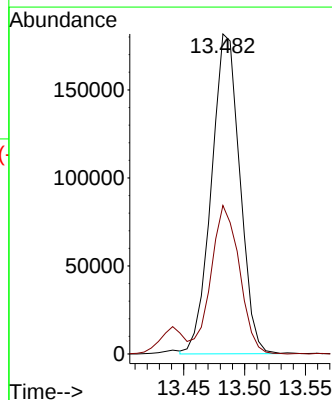
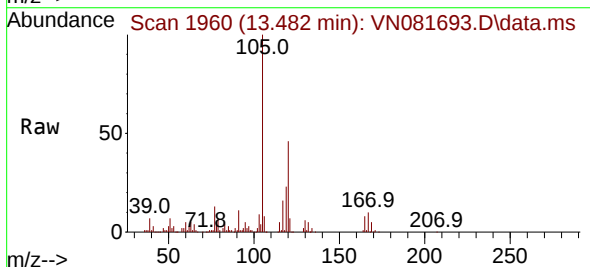
Manual Integrations
APPROVED

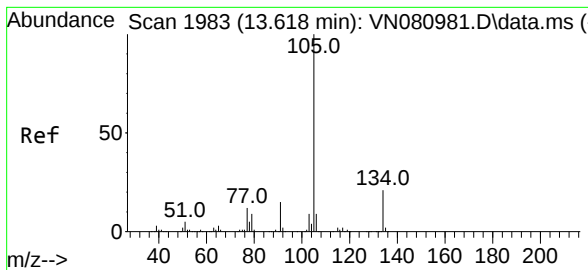
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#80
1,2,4-Trimethylbenzene
Concen: 20.294 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion:105 Resp: 294977
Ion Ratio Lower Upper
105 100
120 46.7 0.0 86.8





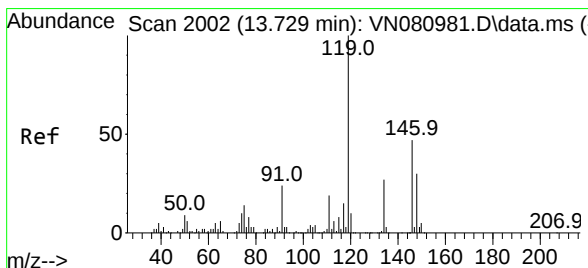
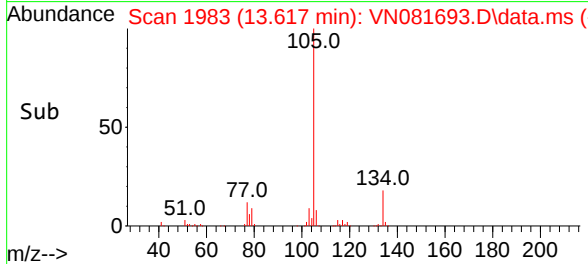
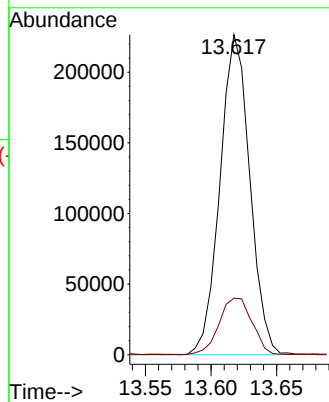
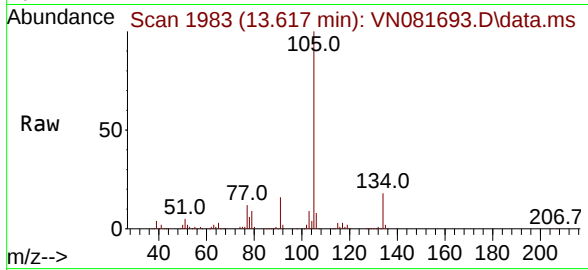
#81
 sec-Butylbenzene
 Concen: 20.020 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN081693.D
 Acq: 11 Apr 2024 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:105 Resp: 358005
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 39.0

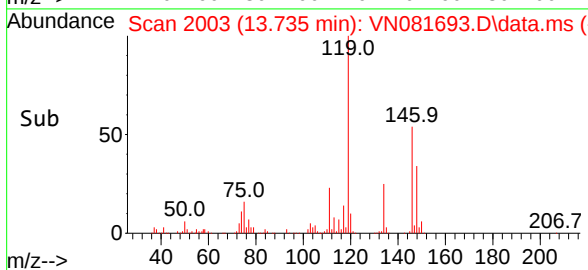
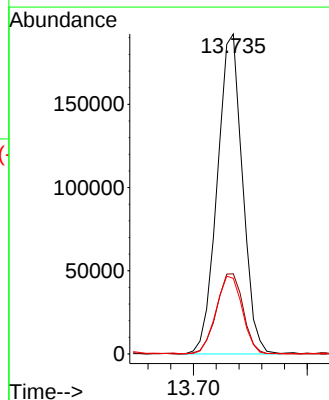
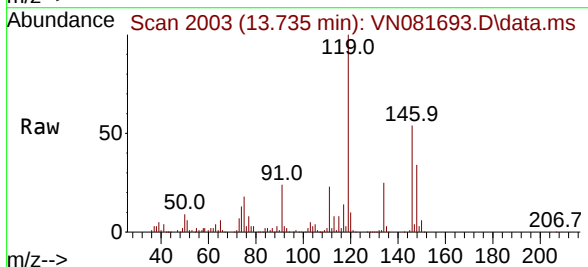
Manual Integrations
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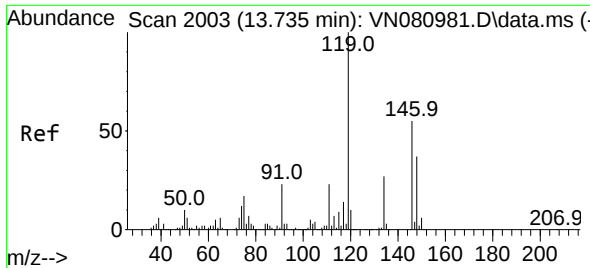
Reviewed By :John Carlone 04/12/2024
 Supervised By :Mahesh Dadoda 04/12/2024



#82
 p-Isopropyltoluene
 Concen: 19.797 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: VN081693.D
 Acq: 11 Apr 2024 12:28

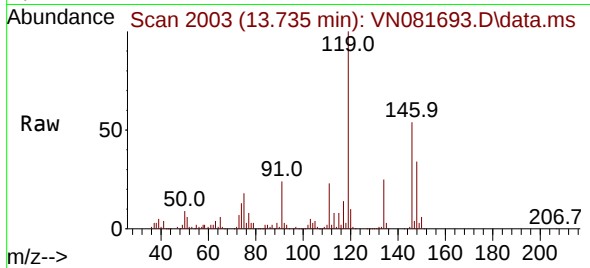
Tgt Ion:119 Resp: 296905
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 49.2
 91 25.4 0.0 48.8





#83
1,3-Dichlorobenzene
Concen: 21.748 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

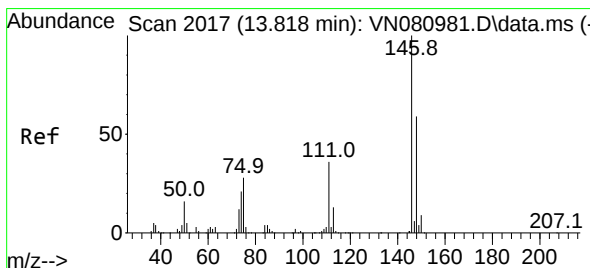
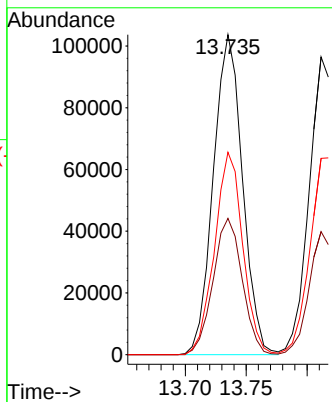
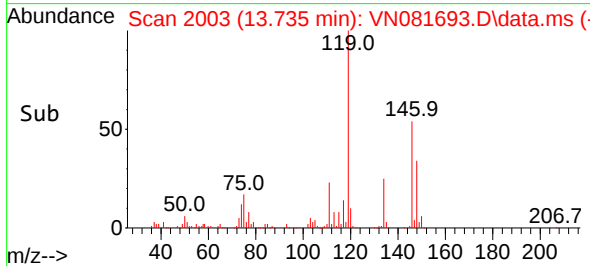
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



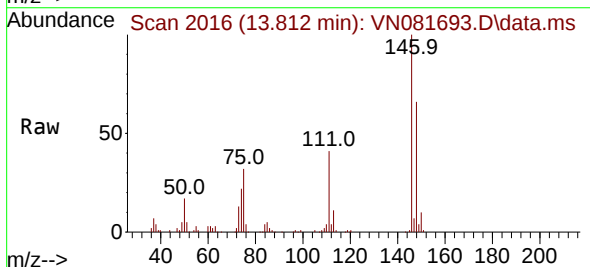
Tgt Ion:146 Resp: 172939
Ion Ratio Lower Upper
146 100
111 42.6 22.4 67.0
148 61.4 32.1 96.5

Manual Integrations
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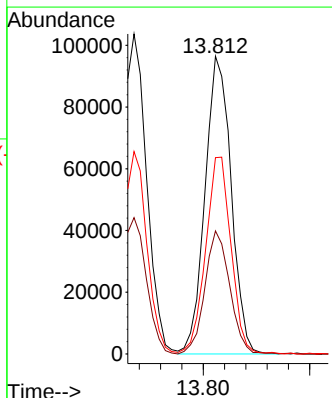
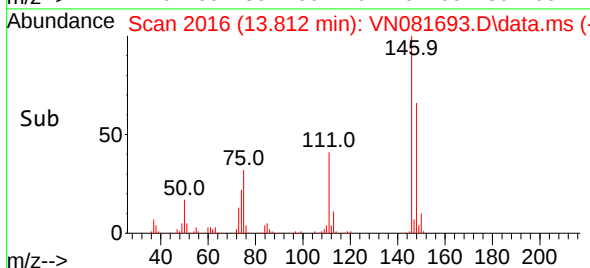
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024

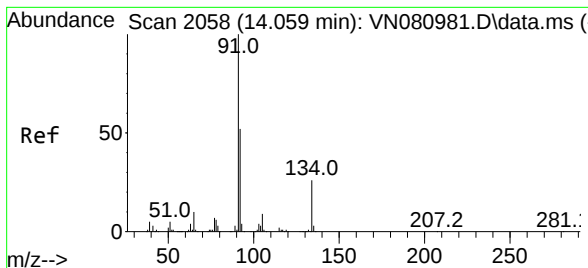


#84
1,4-Dichlorobenzene
Concen: 21.352 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28



Tgt Ion:146 Resp: 164365
Ion Ratio Lower Upper
146 100
111 39.3 21.3 63.9
148 64.1 31.9 95.5





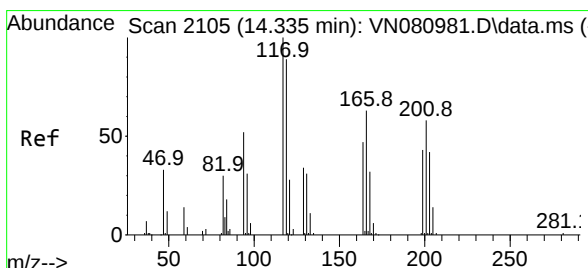
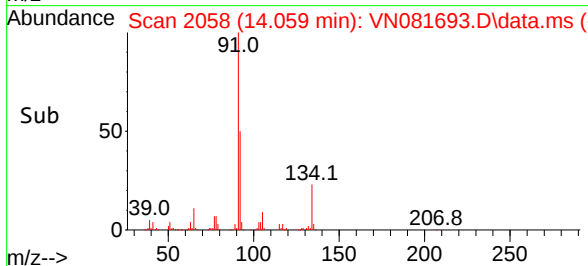
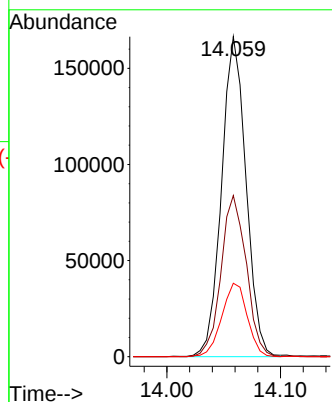
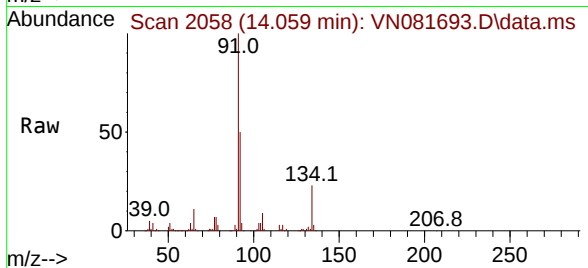
#85
n-Butylbenzene
Concen: 19.739 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 24935
Ion Ratio Lower Upper
91 100
92 51.8 0.0 105.0
134 23.9 0.0 51.8

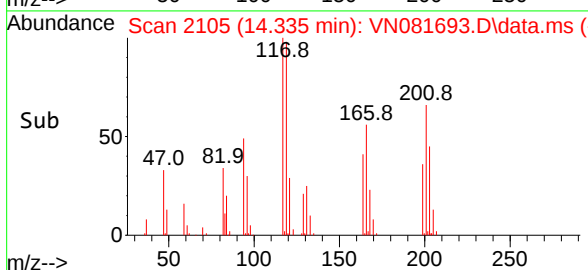
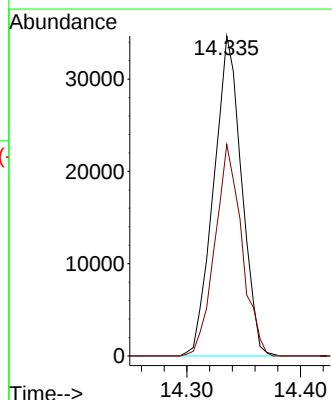
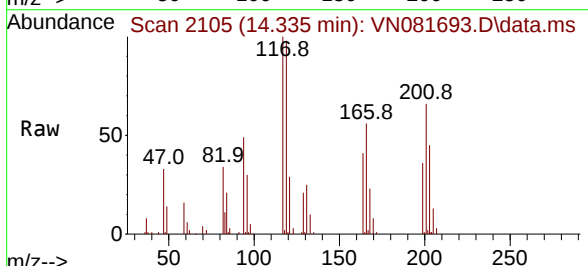
Manual Integrations
APPROVED

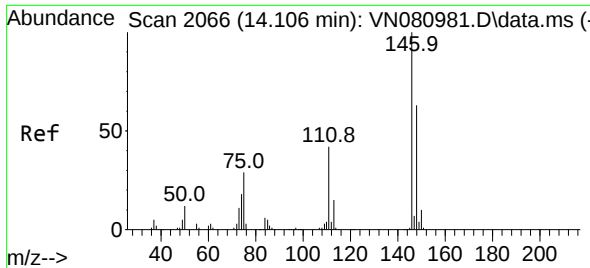
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#86
Hexachloroethane
Concen: 20.646 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion:117 Resp: 59156
Ion Ratio Lower Upper
117 100
201 63.8 38.0 114.0





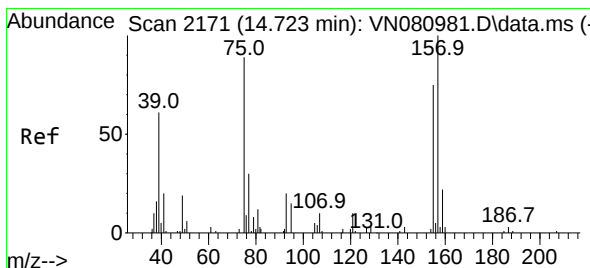
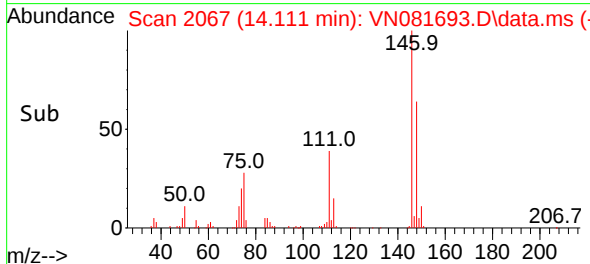
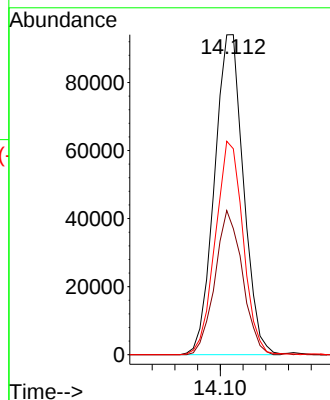
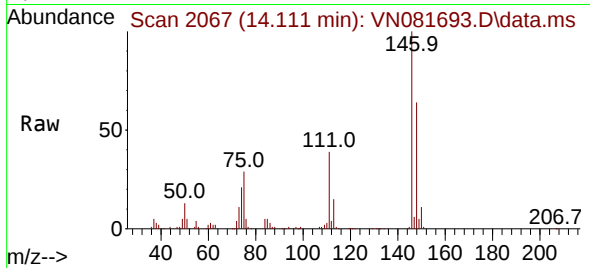
#87
1,2-Dichlorobenzene
Concen: 22.018 ug/l
RT: 14.111 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 166662
Ion Ratio Lower Upper
146 100
111 42.6 22.6 67.8
148 63.9 31.3 93.8

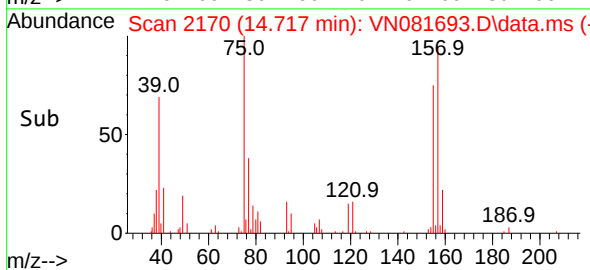
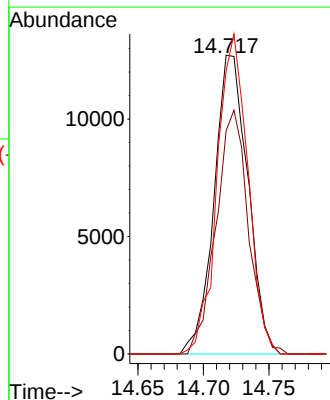
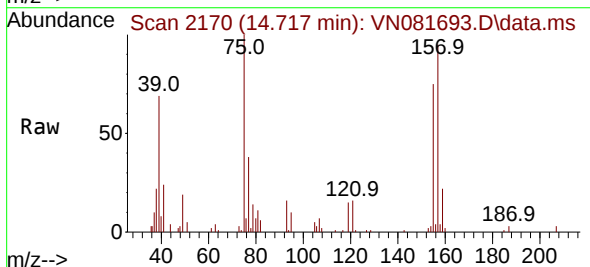
Manual Integrations
APPROVED

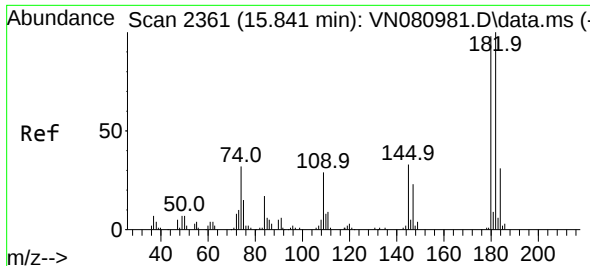
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#88
1,2-Dibromo-3-Chloropropane
Concen: 23.323 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

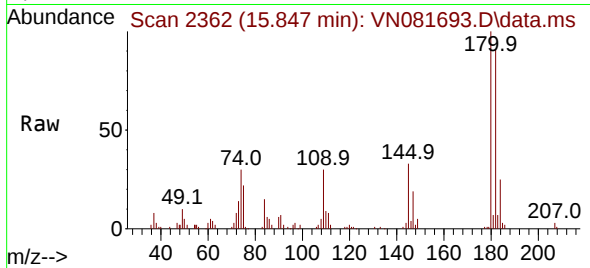
Tgt Ion: 75 Resp: 22807
Ion Ratio Lower Upper
75 100
155 78.1 61.7 92.5
157 97.2 83.6 125.4





#89
1,2,4-Trichlorobenzene
Concen: 19.727 ug/l
RT: 15.847 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

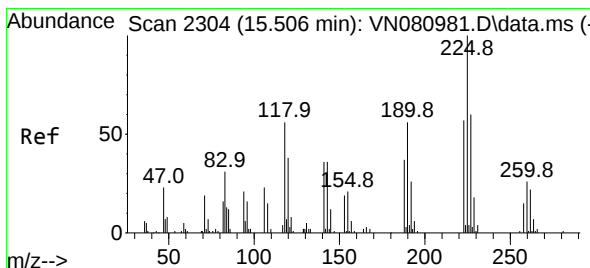
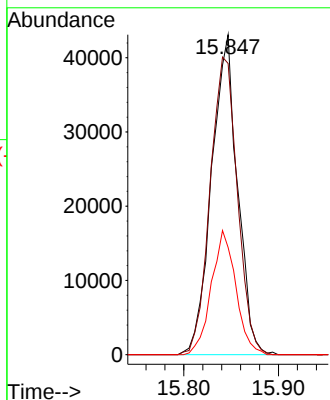
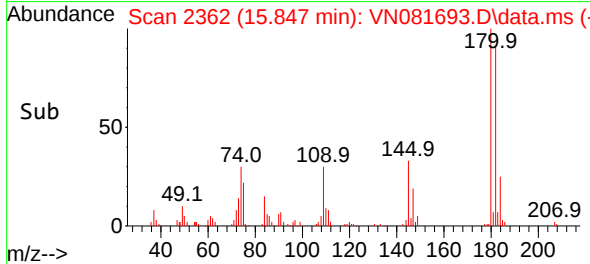
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



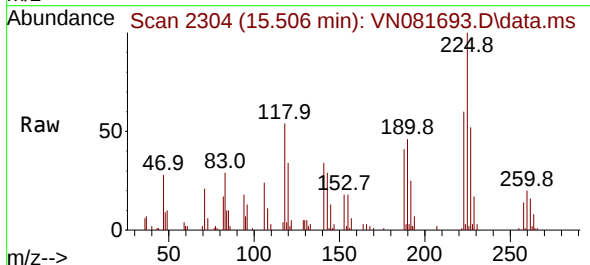
Tgt Ion:180 Resp: 8184
Ion Ratio Lower Upper
180 100
182 97.9 76.4 114.6
145 36.8 28.4 42.6

Manual Integrations
APPROVED

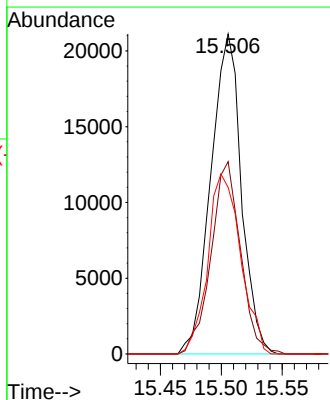
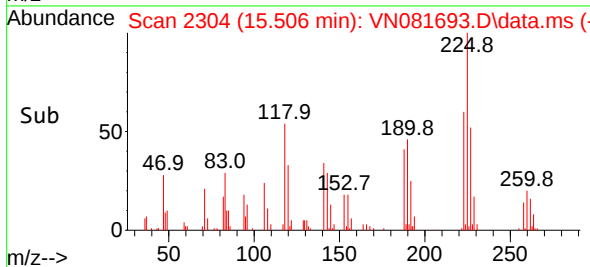
Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024

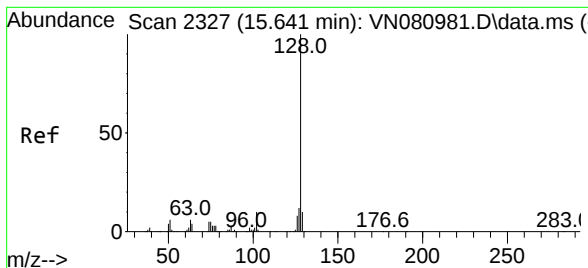


#90
Hexachlorobutadiene
Concen: 22.190 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28



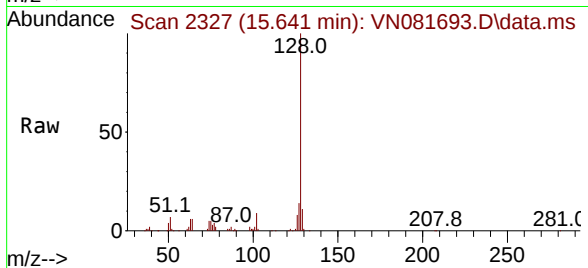
Tgt Ion:225 Resp: 36893
Ion Ratio Lower Upper
225 100
223 58.0 0.0 126.6
227 60.4 0.0 126.6





#91
Naphthalene
Concen: 19.827 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

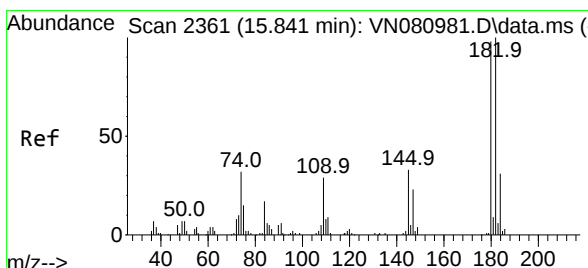
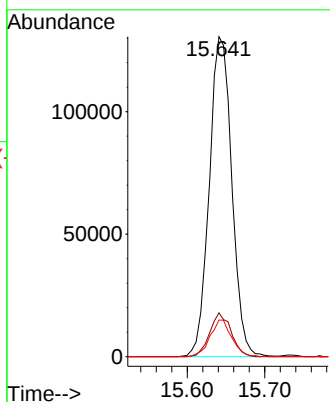
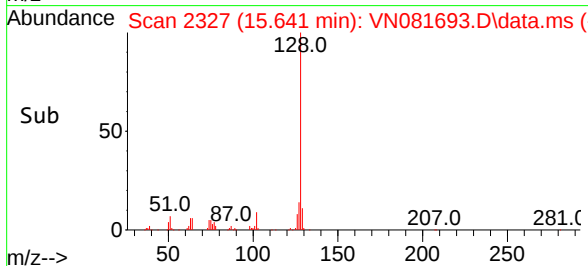
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 264462
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 11.1 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 04/12/2024
Supervised By :Mahesh Dadoda 04/12/2024



#92
1,2,3-Trichlorobenzene
Concen: 19.727 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN081693.D
Acq: 11 Apr 2024 12:28

Tgt Ion:180 Resp: 81845
Ion Ratio Lower Upper
180 100
182 97.9 0.0 191.0
145 36.8 0.0 71.0

