

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
 Data File : VN081818.D
 Acq On : 19 Apr 2024 18:52
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2024
 Supervised By : Mahesh Dadoda 04/22/2024

Quant Time: Apr 19 23:53:49 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	14664	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	94473	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	132807	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	56776	31.517	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.067%			
60) 4-Bromofluorobenzene	12.847	95	78407	30.029	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.100%			
63) Toluene-d8	10.565	98	161463	30.309	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.033%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	33312	16.258	ug/l	93
3) Chloromethane	2.359	50	44353	24.950	ug/l	98
4) Vinyl Chloride	2.512	62	56063	30.669	ug/l	100
5) Bromomethane	2.959	94	38008	24.551	ug/l	96
6) Chloroethane	3.124	64	40751	28.482	ug/l	93
7) Trichlorofluoromethane	3.501	101	60497	20.158	ug/l	100
8) Diethyl Ether	3.959	74	19141	17.100	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	34038	16.531	ug/l	89
10) 1,1-Dichloroethene	4.342	96	31565	16.716	ug/l	88
11) Methyl Iodide	4.589	142	28695	13.418	ug/l	96
12) Methyl Acetate	5.024	43	33162m	19.125	ug/l	
13) Acrolein	4.177	56	20013m	87.637	ug/l	
14) Acrylonitrile	5.718	53	83262	96.468	ug/l	98
15) Acetone	4.424	58	18380m	96.823	ug/l	
16) Carbon Disulfide	4.712	76	84869	15.806	ug/l	96
17) Allyl chloride	5.024	41	37902	16.592	ug/l	91
18) Methylene Chloride	5.283	84	39149m	18.005	ug/l	
19) trans-1,2-Dichloroethene	5.789	96	34438	16.631	ug/l	87
20) Diisopropyl ether	6.671	45	107891m	19.838	ug/l	
21) 1,1-Dichloroethane	6.565	63	66624	18.374	ug/l	95
22) cis-1,2-Dichloroethene	7.488	96	43979	17.587	ug/l	98
23) tert-Butyl Alcohol	5.518	59	28979m	94.581	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	105678	17.894	ug/l #	90
25) Chloroform	7.965	83	78309	18.981	ug/l	95
26) Cyclohexane	8.259	56	51513	17.722	ug/l #	87
29) 1,1-Dichloropropene	8.371	75	48887	19.683	ug/l	100
30) 2-Butanone	7.488	43	104864	110.552	ug/l	99
31) 2,2-Dichloropropane	7.494	77	55983	18.096	ug/l #	85
32) 1,1,1-Trichloroethane	8.171	97	70012	20.453	ug/l	99
33) Carbon Tetrachloride	8.365	117	61720	19.891	ug/l #	91
34) Benzene	8.606	78	158866	19.856	ug/l	98
35) Methacrylonitrile	7.771	41	26684	24.836	ug/l	93
36) 1,2-Dichloroethane	8.671	62	59844	22.804	ug/l	98
37) Trichloroethene	9.353	130	39876	18.834	ug/l	95
38) Methylcyclohexane	9.600	83	52108	17.165	ug/l	99
39) 1,2-Dichloropropane	9.624	63	39366	21.090	ug/l	97
40) Dibromomethane	9.712	93	32014	21.531	ug/l	97
41) Bromodichloromethane	9.888	83	65678	21.661	ug/l	95
42) Vinyl Acetate	6.606	43	418087	105.805	ug/l	99

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

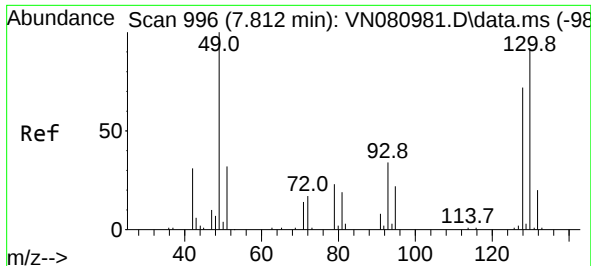
Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2024
 Supervised By : Mahesh Dadoda 04/22/2024

Quant Time: Apr 19 23:53:49 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

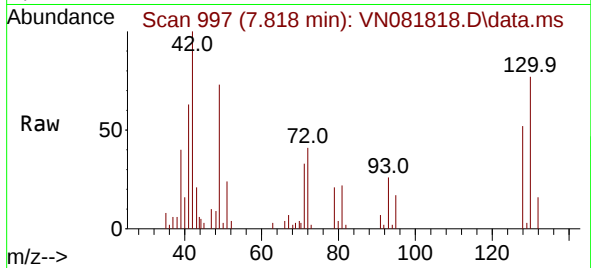
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	45773	21.896	ug/l #	86
44) Isopropyl Acetate	8.688	43	80837	23.078	ug/l	93
45) 1,4-Dioxane	9.700	88	15896	411.102	ug/l	98
46) Methyl methacrylate	9.682	41	34976	22.205	ug/l	88
47) n-amyl Acetate	12.494	43	73596	23.415	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	61521	21.297	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	64359	20.689	ug/l #	89
50) 1,1,2-Trichloroethane	11.018	97	44582	22.393	ug/l	98
51) Ethyl methacrylate	10.876	69	58209	20.998	ug/l	85
52) 1,3-Dichloropropane	11.165	76	69716	21.364	ug/l	99
53) Dibromochloromethane	11.359	129	51013	21.450	ug/l	100
54) 1,2-Dibromoethane	11.471	107	43059	20.924	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	147925	108.664	ug/l	98
56) Bromoform	12.582	173	34752	22.852	ug/l #	97
58) 4-Methyl-2-Pentanone	10.447	43	271633	118.934	ug/l #	88
59) 2-Hexanone	11.200	43	198635	115.808	ug/l #	89
61) Tetrachloroethene	11.106	164	47161	19.165	ug/l	95
62) Toluene	10.635	91	185948	19.245	ug/l	100
64) Chlorobenzene	11.894	112	122476	19.991	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	43136	19.382	ug/l	96
66) Ethyl Benzene	11.965	91	195843	19.064	ug/l	100
67) m/p-Xylenes	12.071	106	159056	39.089	ug/l	93
68) o-Xylene	12.400	106	74007	19.158	ug/l	95
69) Styrene	12.412	104	122957	18.690	ug/l	96
70) Isopropylbenzene	12.700	105	191337	19.200	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	59327	22.789	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	78473	32.560	ug/l	64
73) Bromobenzene	12.982	156	48886	19.797	ug/l	95
74) n-propylbenzene	13.035	91	224614	18.829	ug/l	98
75) 2-Chlorotoluene	13.123	91	140401	19.755	ug/l	97
76) 1,3,5-Trimethylbenzene	13.176	105	163958	19.383	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	20426	20.465	ug/l	87
78) 4-Chlorotoluene	13.223	91	141092	20.016	ug/l	95
79) tert-butylbenzene	13.441	119	131968	18.339	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	166791	19.772	ug/l	98
81) sec-Butylbenzene	13.617	105	190232	18.330	ug/l	97
82) p-Isopropyltoluene	13.735	119	161886	18.599	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	92827	20.114	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	90150	20.180	ug/l	97
85) n-Butylbenzene	14.059	91	131118	17.884	ug/l	97
86) Hexachloroethane	14.335	117	32234	19.385	ug/l	89
87) 1,2-Dichlorobenzene	14.106	146	89788	20.440	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.717	75	13466	23.728	ug/l	91
89) 1,2,4-Trichlorobenzene	15.841	180	49706	20.644	ug/l	98
90) Hexachlorobutadiene	15.506	225	18842	19.528	ug/l	97
91) Naphthalene	15.647	128	149300	19.287	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	49706	20.644	ug/l	98

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

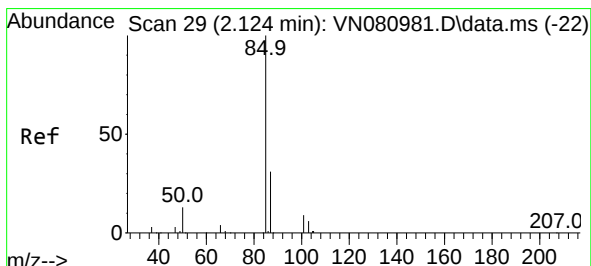
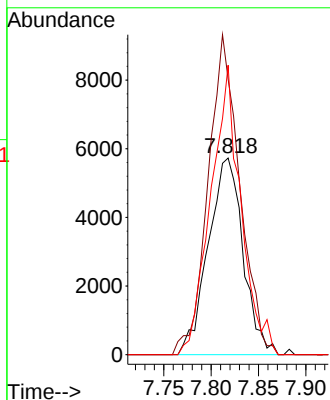
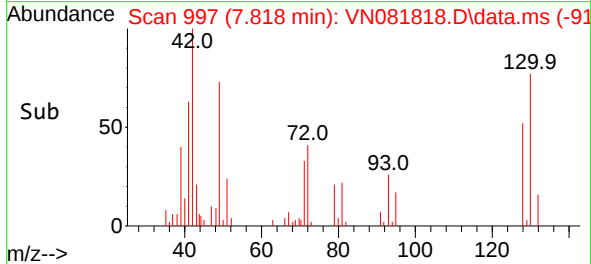
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 14664
Ion Ratio Lower Upper
128 100
49 148.4 0.0 403.7
130 124.6 0.0 323.3

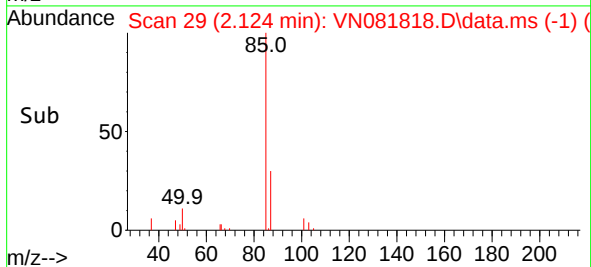
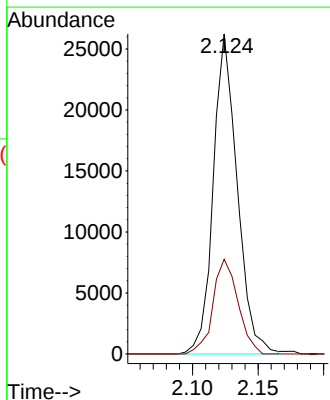
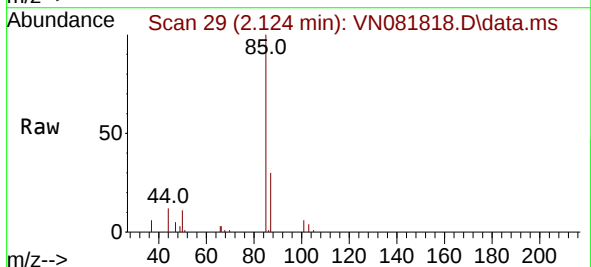
Manual Integrations
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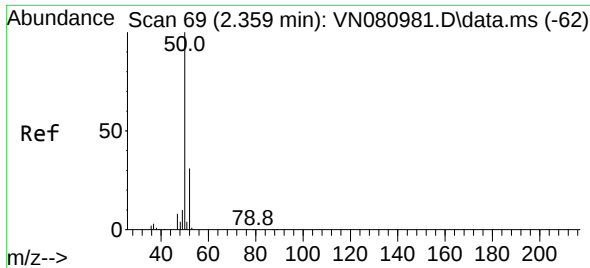
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#2
Dichlorodifluoromethane
Concen: 16.258 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

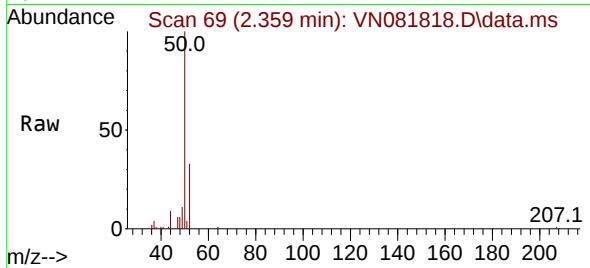
Tgt Ion: 85 Resp: 33312
Ion Ratio Lower Upper
85 100
87 29.6 16.8 50.3





#3
Chloromethane
Concen: 24.950 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

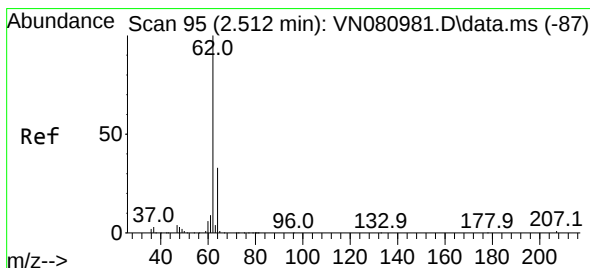
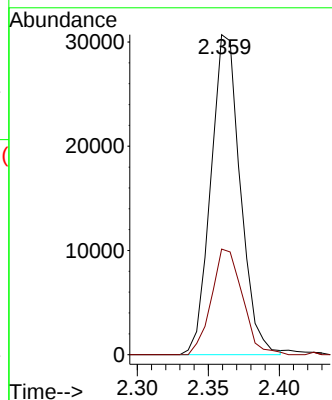
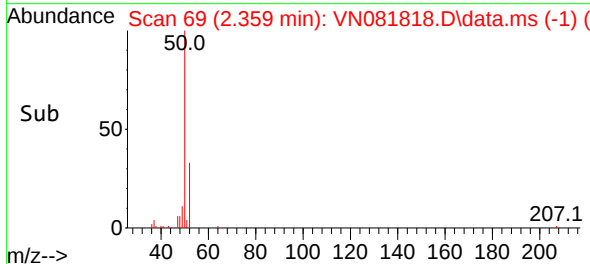
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 50 Resp: 4435
Ion Ratio Lower Upper
50 100
52 33.0 25.4 38.0

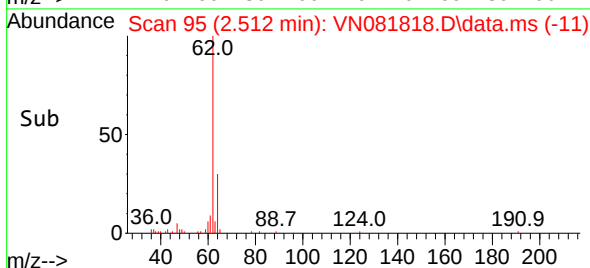
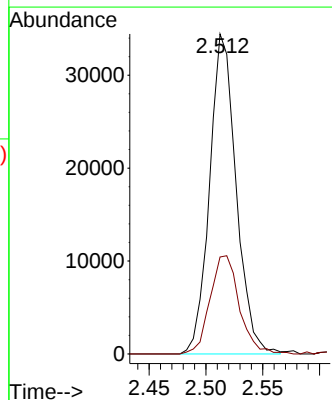
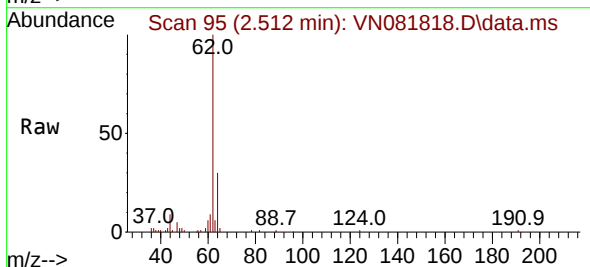
Manual Integrations
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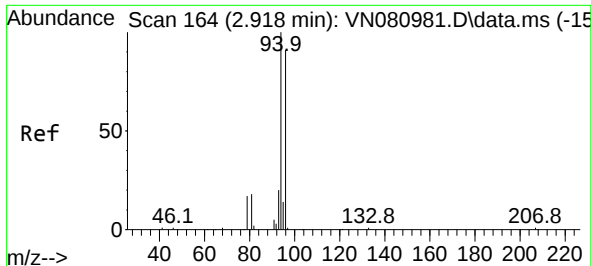
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#4
Vinyl Chloride
Concen: 30.669 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

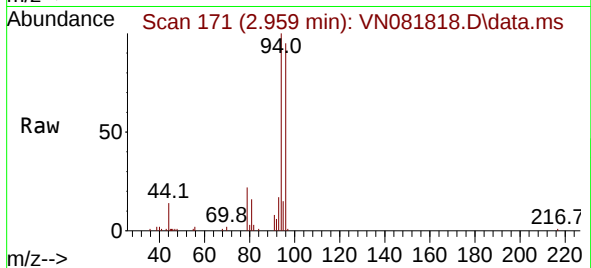
Tgt Ion: 62 Resp: 56063
Ion Ratio Lower Upper
62 100
64 30.3 24.1 36.1





#5
Bromomethane
Concen: 24.551 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

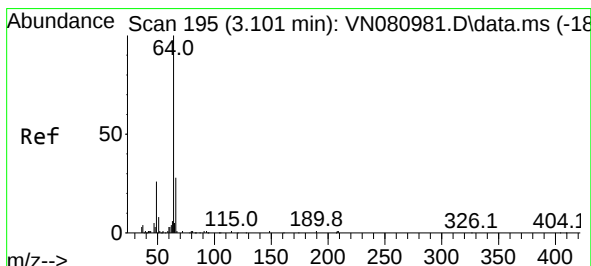
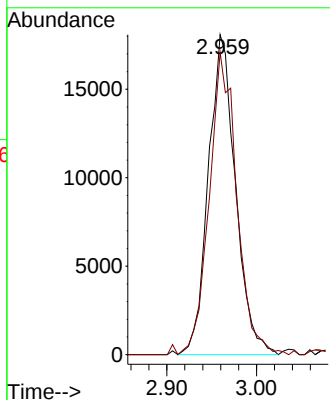
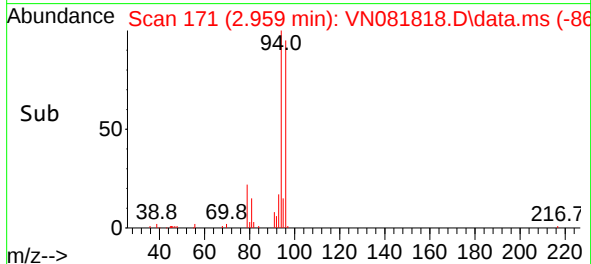
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



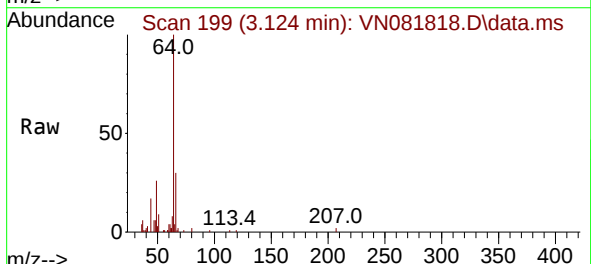
Tgt Ion: 94 Resp: 3800
Ion Ratio Lower Upper
94 100
96 94.6 72.8 109.2

Manual Integrations
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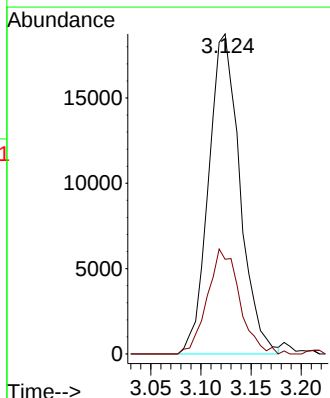
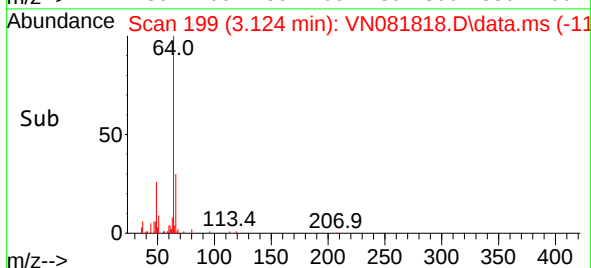
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

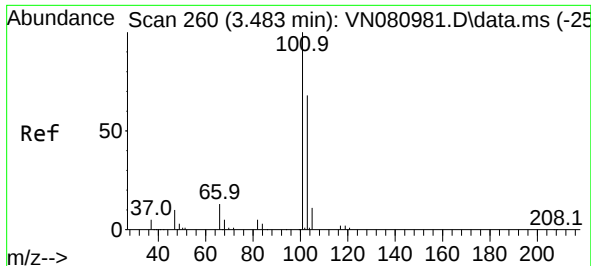


#6
Chloroethane
Concen: 28.482 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52



Tgt Ion: 64 Resp: 40751
Ion Ratio Lower Upper
64 100
66 29.6 26.7 40.1





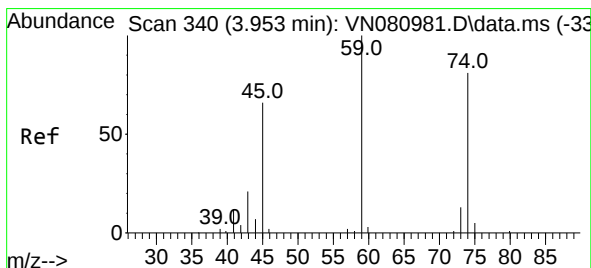
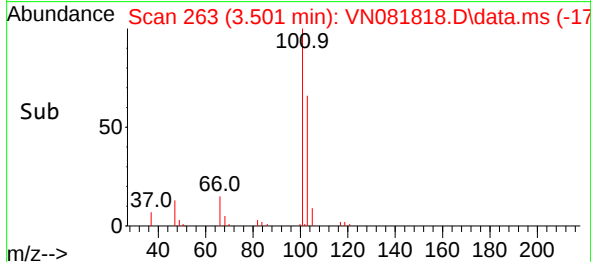
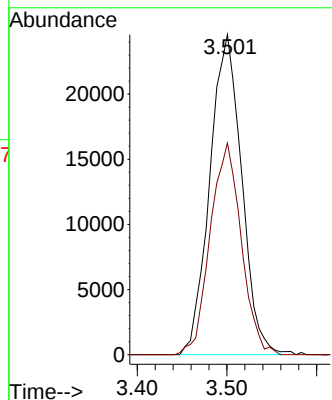
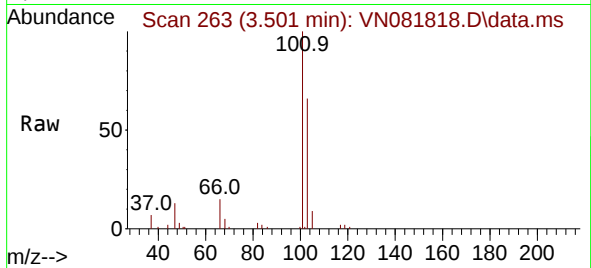
#7
Trichlorofluoromethane
Concen: 20.158 ug/l
RT: 3.501 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 6049
Ion Ratio Lower Upper
101 100
103 66.2 53.0 79.4

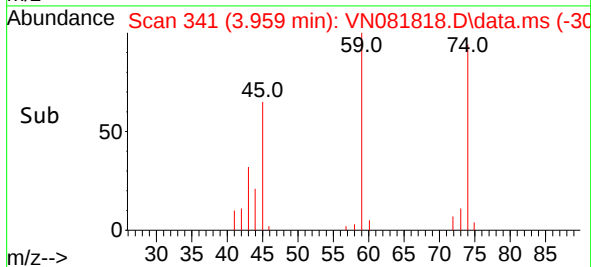
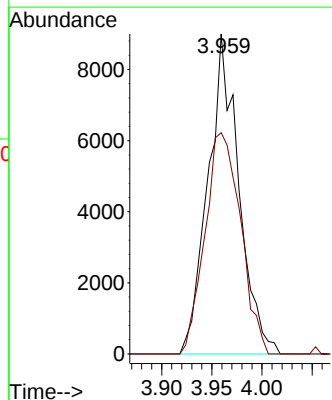
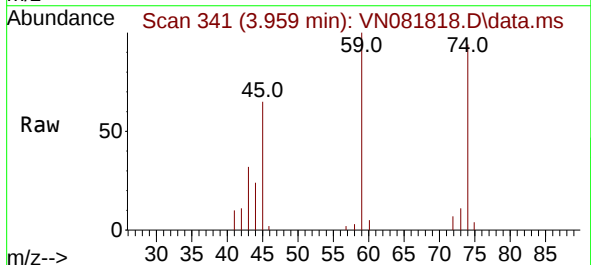
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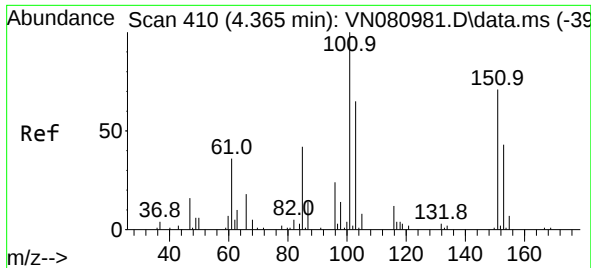
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#8
Diethyl Ether
Concen: 17.100 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion: 74 Resp: 19141
Ion Ratio Lower Upper
74 100
45 80.6 16.4 147.4





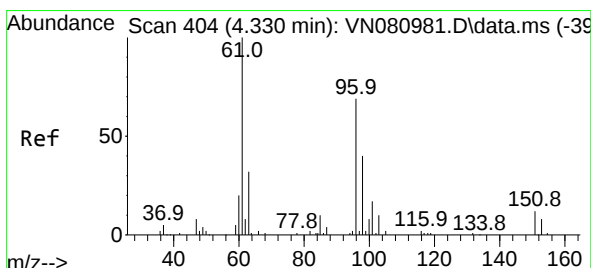
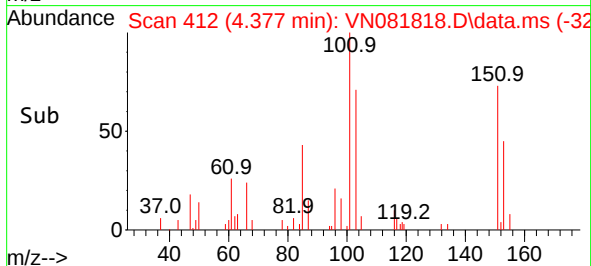
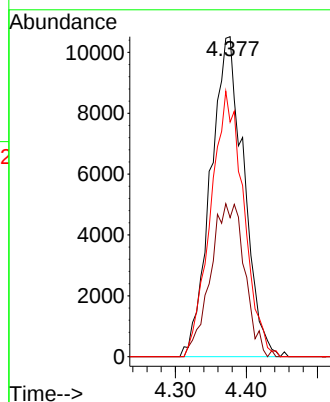
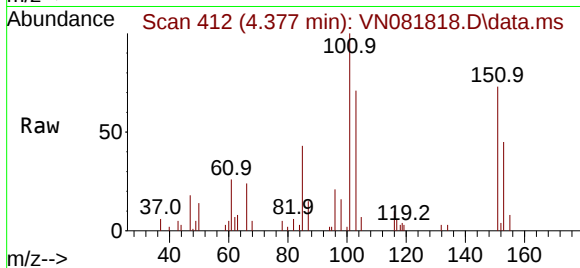
#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.531 ug/l
RT: 4.377 min Scan# 410
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 34038
Ion Ratio Lower Upper
101 100
85 30.1 0.0 90.6
151 82.6 0.0 157.6

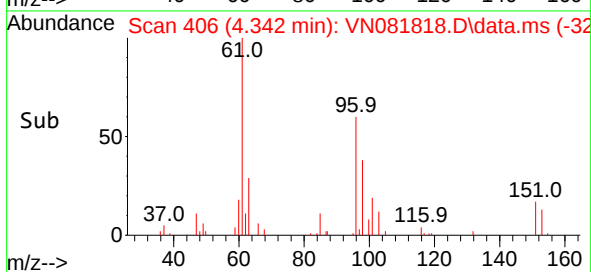
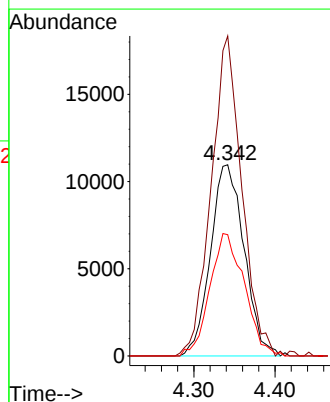
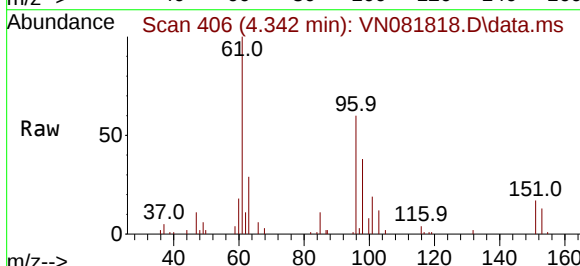
Manual Integrations
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Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#10
1,1-Dichloroethene
Concen: 16.716 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

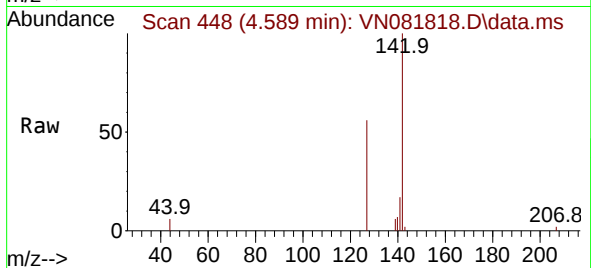
Tgt Ion: 96 Resp: 31565
Ion Ratio Lower Upper
96 100
61 165.9 117.6 176.4
98 63.4 48.4 72.6





#11
Methyl Iodide
Concen: 13.418 ug/l
RT: 4.589 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

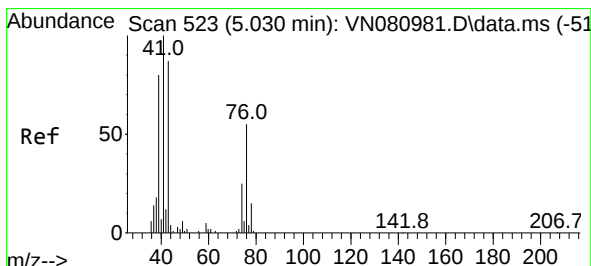
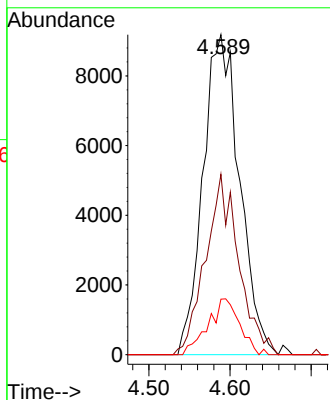
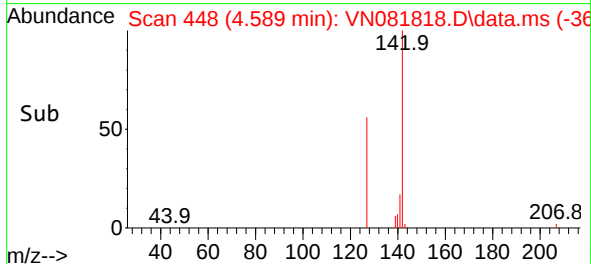
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 2869
Ion Ratio Lower Upper
142 100
127 55.5 26.3 78.9
141 17.3 8.3 24.9

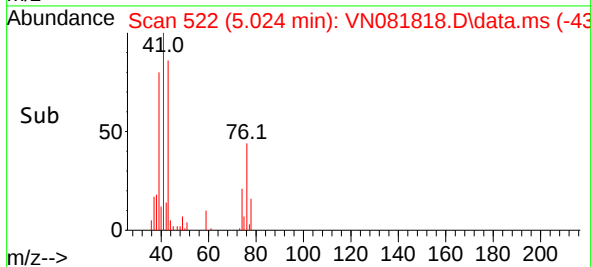
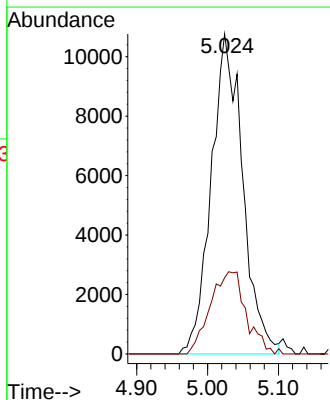
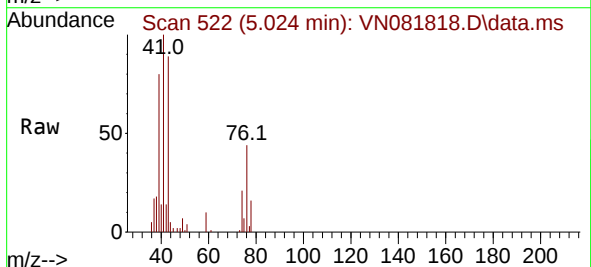
Manual Integrations
APPROVED

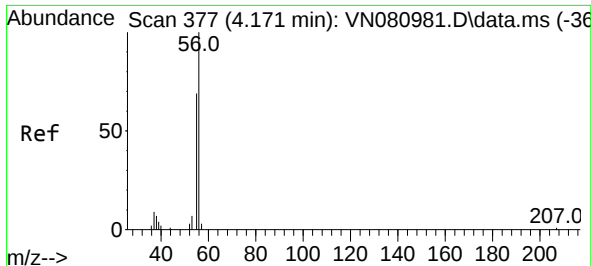
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#12
Methyl Acetate
Concen: 19.125 ug/l m
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion: 43 Resp: 33162
Ion Ratio Lower Upper
43 100
74 23.8 27.7 41.5#





#13

Acrolein

Concen: 87.637 ug/l m

RT: 4.177 min Scan# 3

Delta R.T. -0.006 min

Lab File: VN081818.D

Acq: 19 Apr 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 56 Resp: 2001

Ion Ratio Lower Upper

56 100

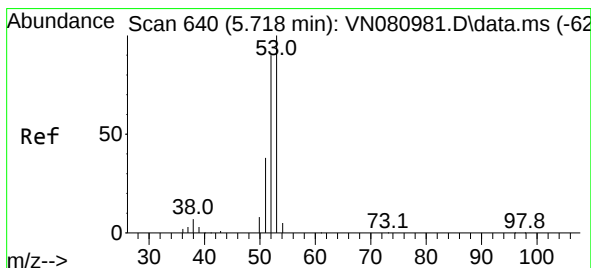
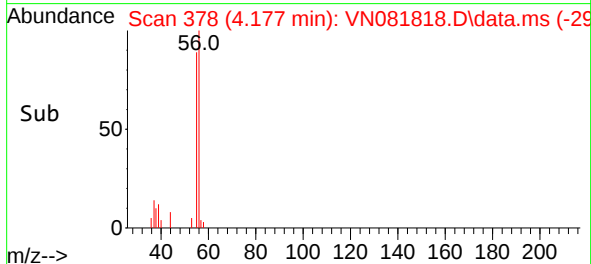
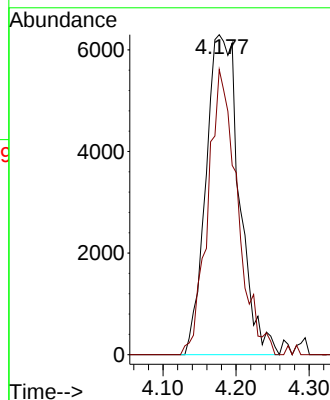
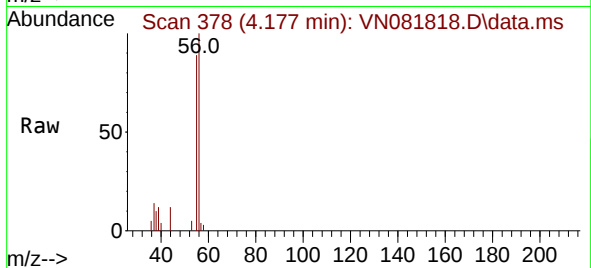
55 1.2 55.5 83.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#14

Acrylonitrile

Concen: 96.468 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.000 min

Lab File: VN081818.D

Acq: 19 Apr 2024 18:52

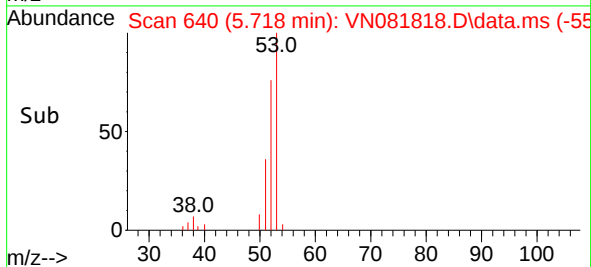
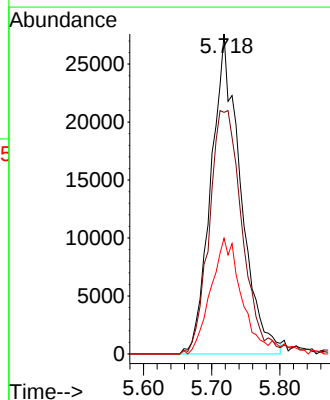
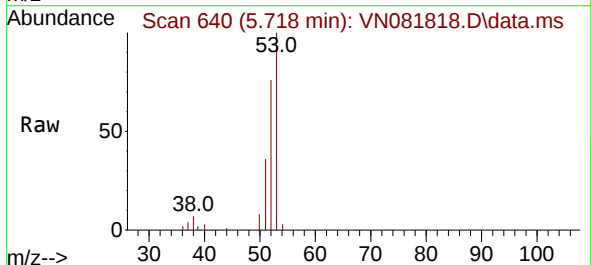
Tgt Ion: 53 Resp: 83262

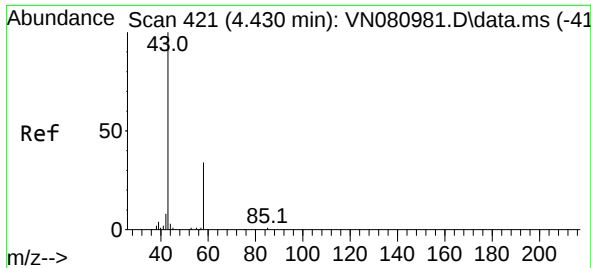
Ion Ratio Lower Upper

53 100

52 82.7 41.3 123.9

51 37.1 16.8 50.3





#15

Acetone

Concen: 96.823 ug/l m

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN081818.D

Acq: 19 Apr 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 18380

Ion Ratio Lower Upper

58 100

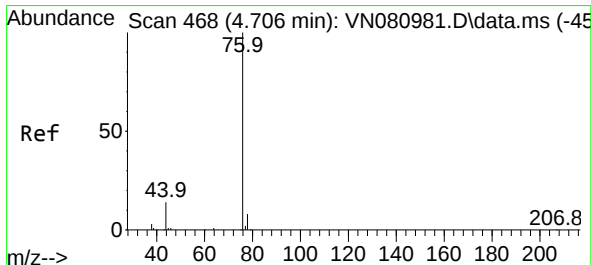
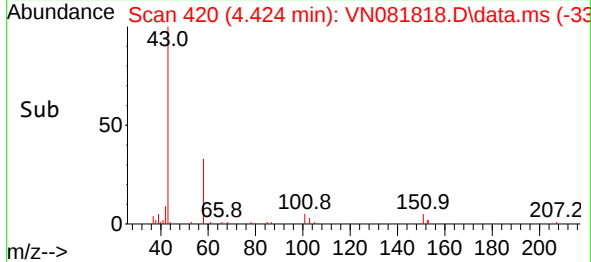
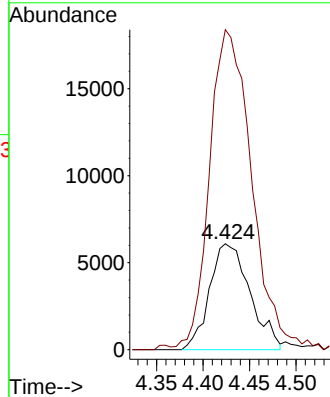
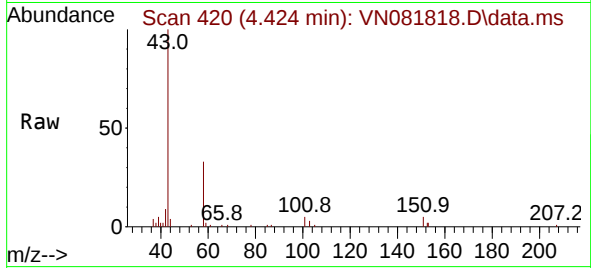
43 301.9 223.1 334.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#16

Carbon Disulfide

Concen: 15.806 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN081818.D

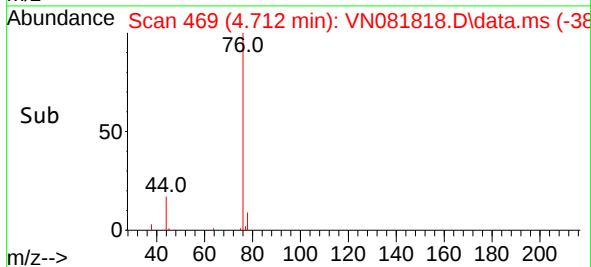
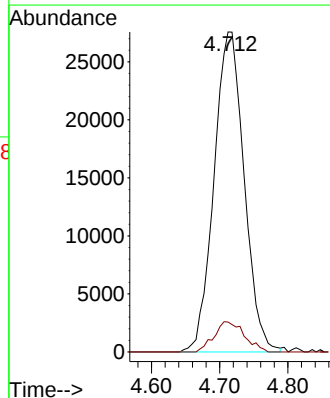
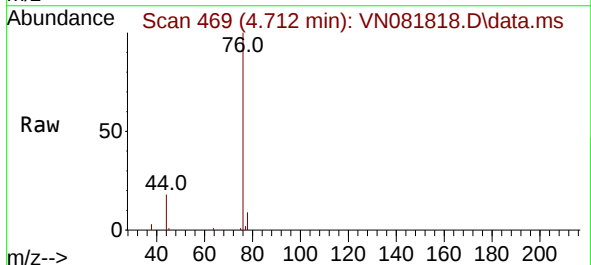
Acq: 19 Apr 2024 18:52

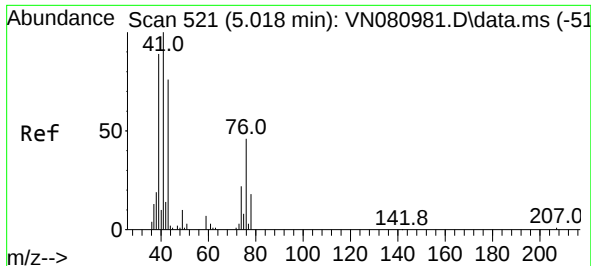
Tgt Ion: 76 Resp: 84869

Ion Ratio Lower Upper

76 100

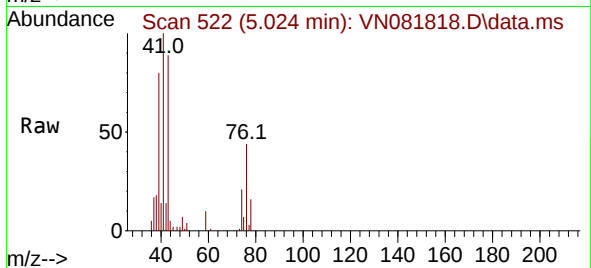
78 9.4 6.3 9.5





#17
 Allyl chloride
 Concen: 16.592 ug/l
 RT: 5.024 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN081818.D
 Acq: 19 Apr 2024 18:52

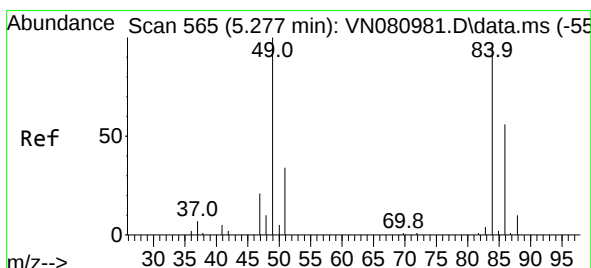
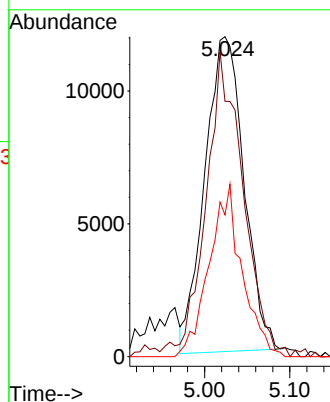
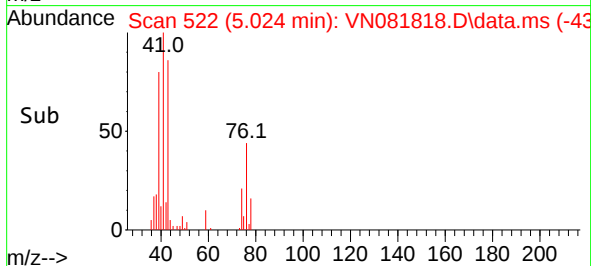
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion:	41	Resp:	3790
Ion	Ratio	Lower	Upper
41	100		
39	79.0	37.6	112.9
76	43.9	27.8	83.4

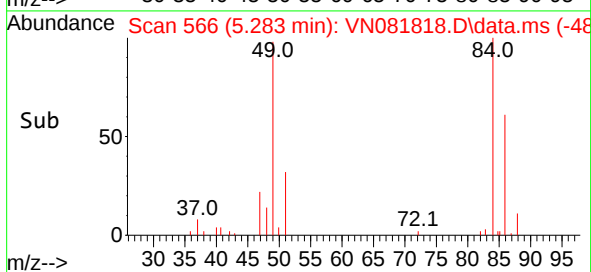
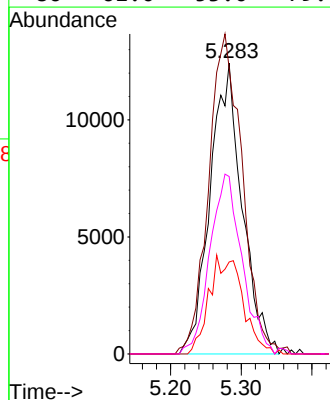
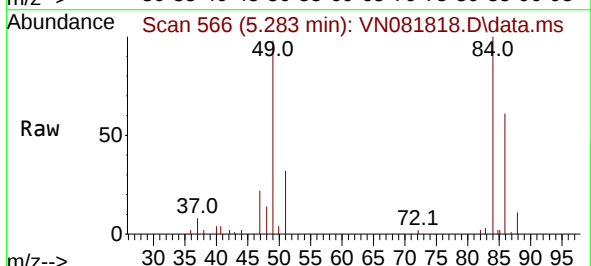
Manual Integrations
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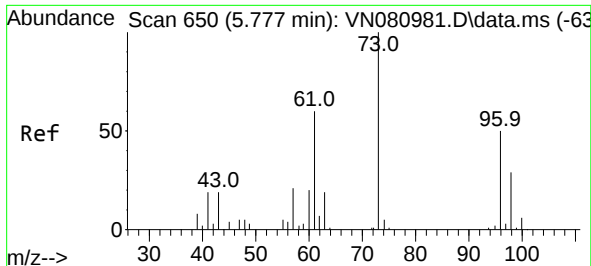
Reviewed By :John Carlone 04/22/2024
 Supervised By :Mahesh Dadoda 04/22/2024



#18
 Methylene Chloride
 Concen: 18.005 ug/l m
 RT: 5.283 min Scan# 566
 Delta R.T. 0.000 min
 Lab File: VN081818.D
 Acq: 19 Apr 2024 18:52

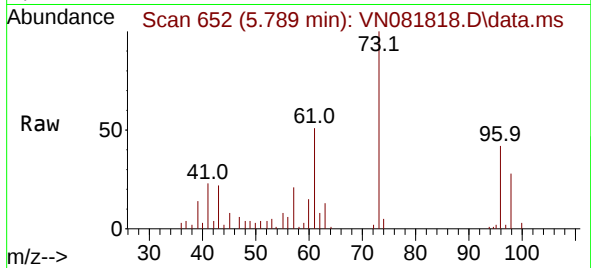
Tgt Ion:	84	Resp:	39149
Ion	Ratio	Lower	Upper
84	100		
49	98.3	86.0	129.0
51	31.7	30.0	45.0
86	61.0	53.0	79.4





#19
trans-1,2-Dichloroethene
Concen: 16.631 ug/l
RT: 5.789 min Scan# 650
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

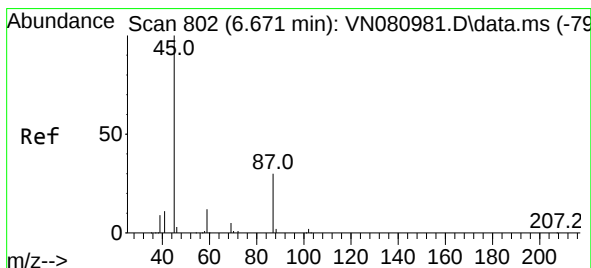
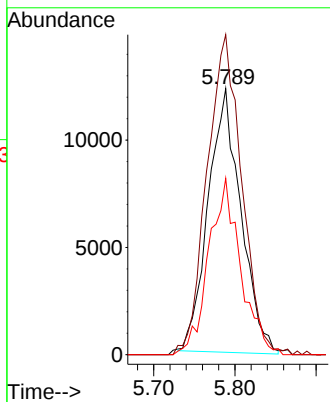
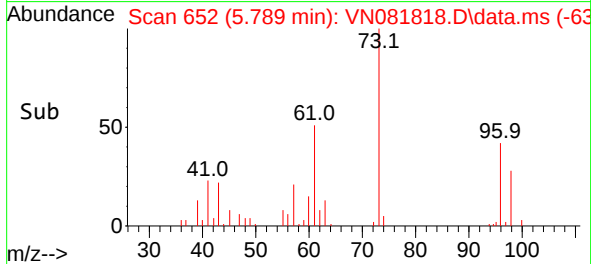
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 96 Resp: 34438
Ion Ratio Lower Upper
96 100
61 120.0 111.8 167.6
98 65.9 49.2 73.8

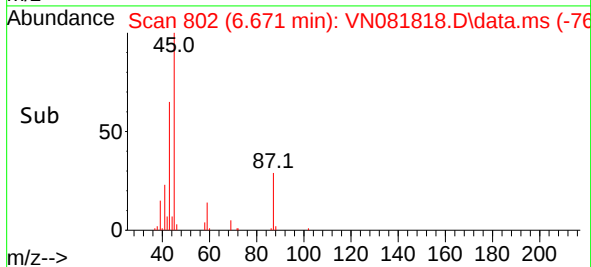
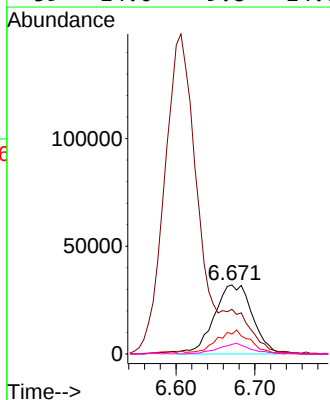
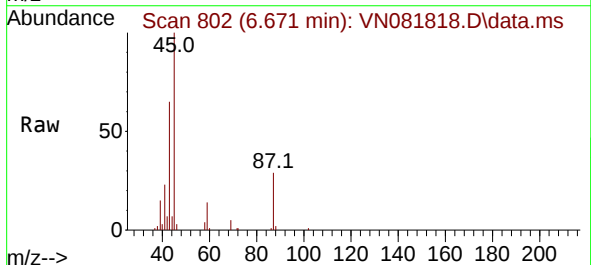
Manual Integrations
APPROVED

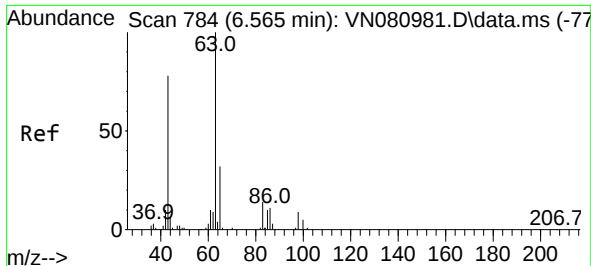
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#20
Diisopropyl ether
Concen: 19.838 ug/l m
RT: 6.671 min Scan# 802
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion: 45 Resp: 107891
Ion Ratio Lower Upper
45 100
43 64.7 40.4 60.6#
87 28.8 23.8 35.8
59 14.0 9.8 14.6





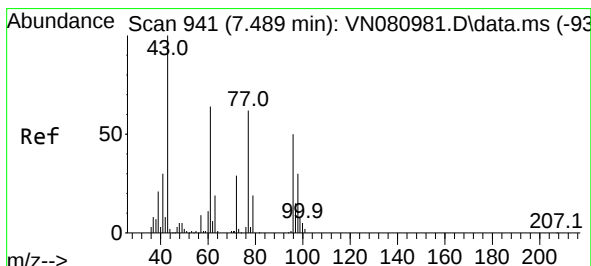
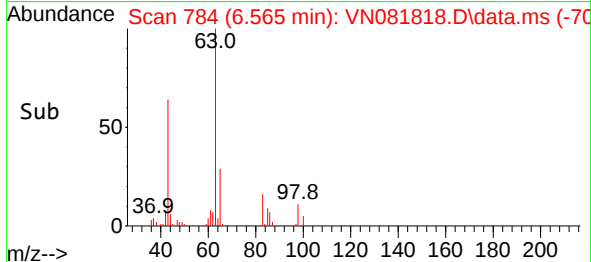
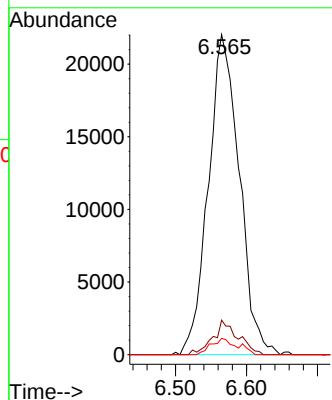
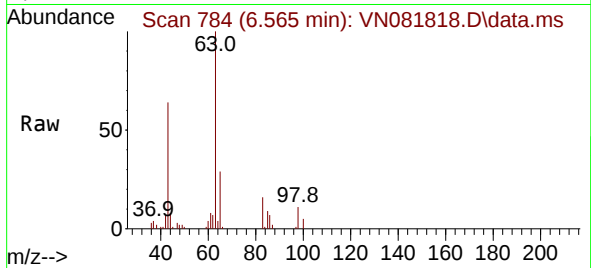
#21
1,1-Dichloroethane
Concen: 18.374 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 66624
Ion Ratio Lower Upper
63 100
98 10.8 4.1 12.3
100 5.1 3.0 9.0

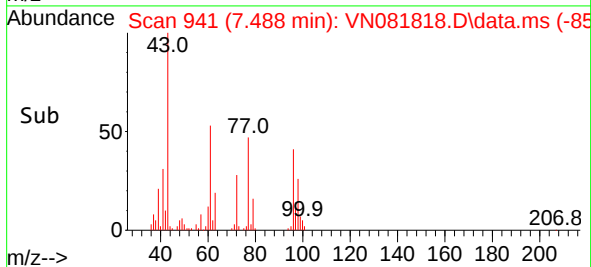
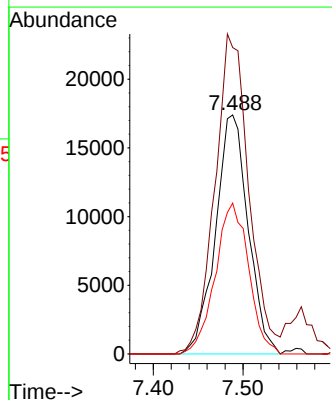
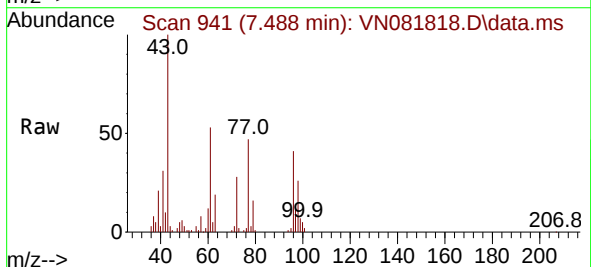
Manual Integrations
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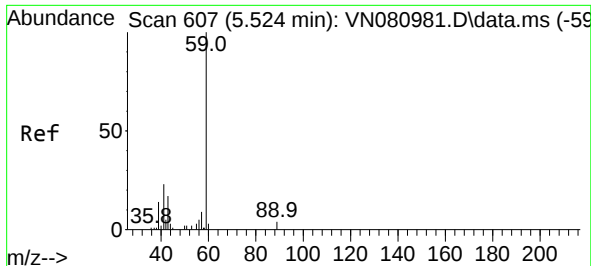
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#22
cis-1,2-Dichloroethene
Concen: 17.587 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

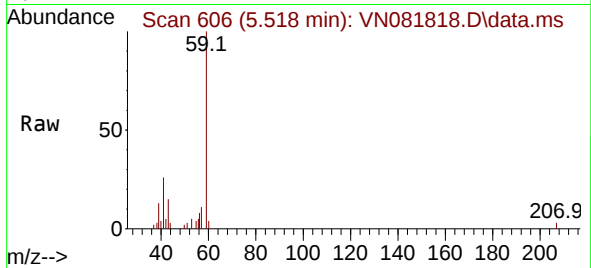
Tgt Ion: 96 Resp: 43979
Ion Ratio Lower Upper
96 100
61 139.2 113.5 170.3
98 64.5 52.0 78.0





#23
tert-Butyl Alcohol
Concen: 94.581 ug/l m
RT: 5.518 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

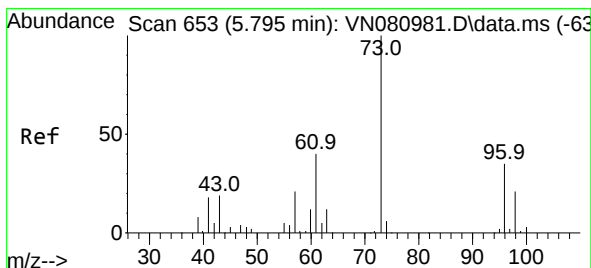
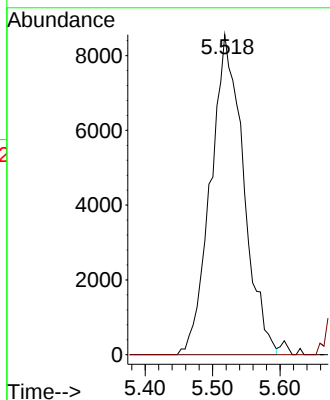
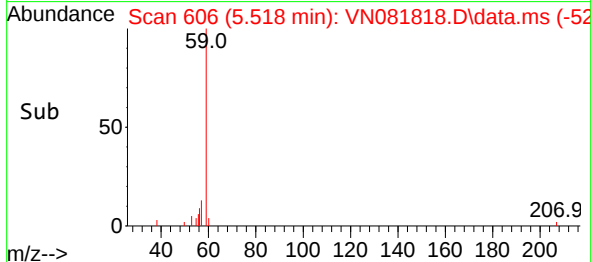
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 59 Resp: 28979
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

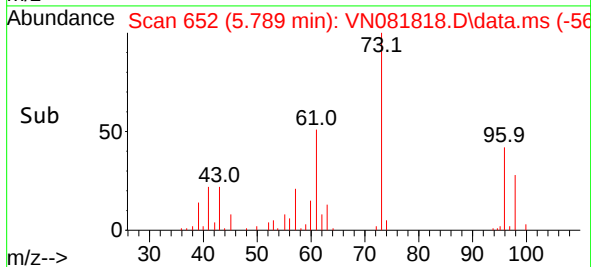
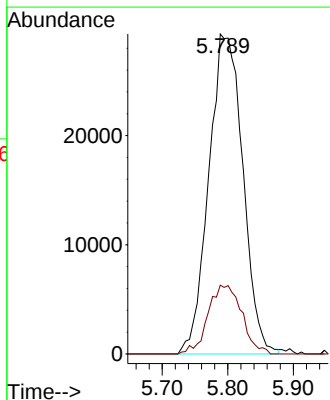
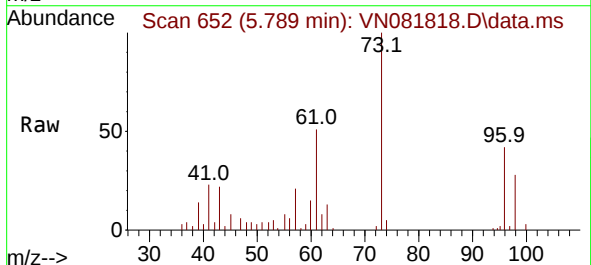
Manual Integrations
APPROVED

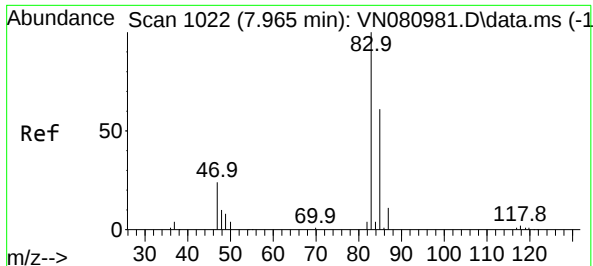
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#24
Methyl tert-Butyl Ether
Concen: 17.894 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion: 73 Resp: 105678
Ion Ratio Lower Upper
73 100
43 21.0 13.4 20.2#





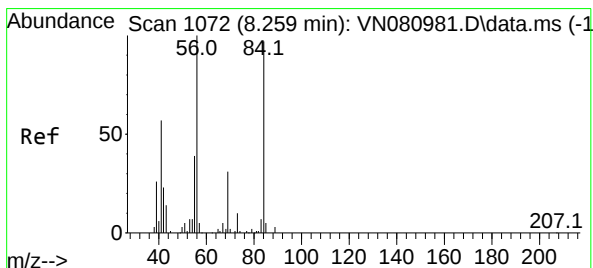
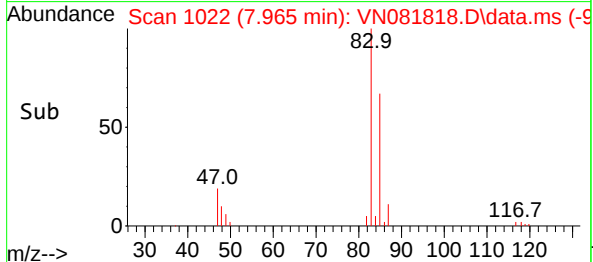
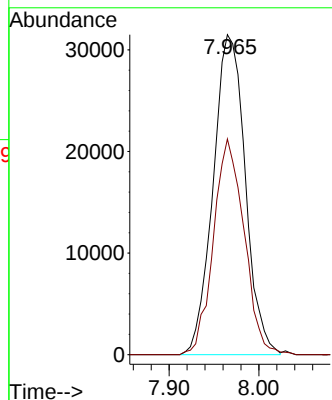
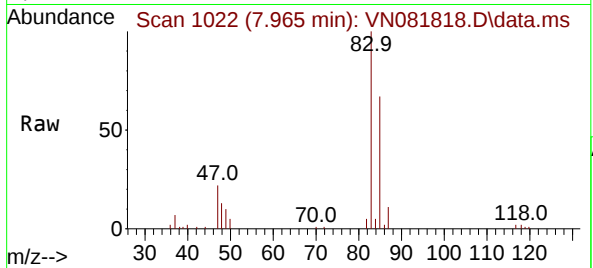
#25
Chloroform
Concen: 18.981 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 78309
Ion Ratio Lower Upper
83 100
85 67.4 50.9 76.3

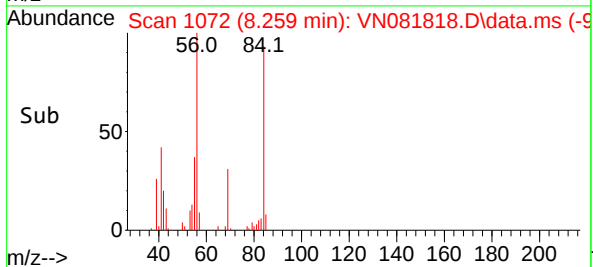
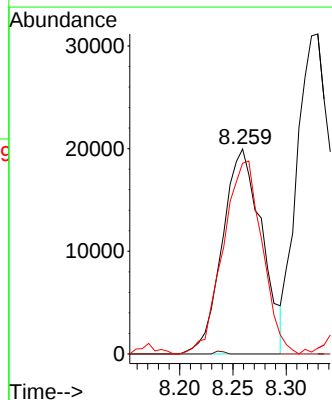
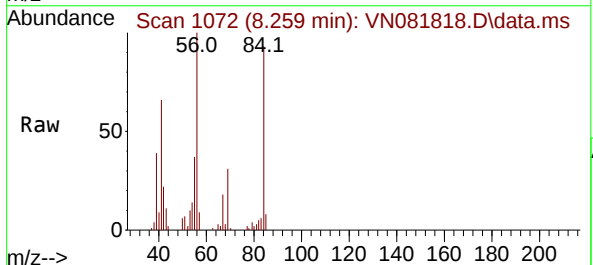
Manual Integrations
APPROVED

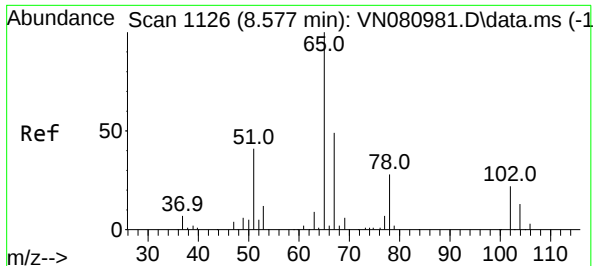
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#26
Cyclohexane
Concen: 17.722 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion: 56 Resp: 51513
Ion Ratio Lower Upper
56 100
89 0.3 19.3 28.9#
84 92.9 71.3 106.9





#27
1,2-Dichloroethane-d4
Concen: 31.517 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

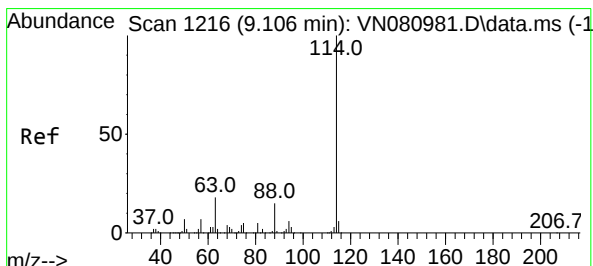
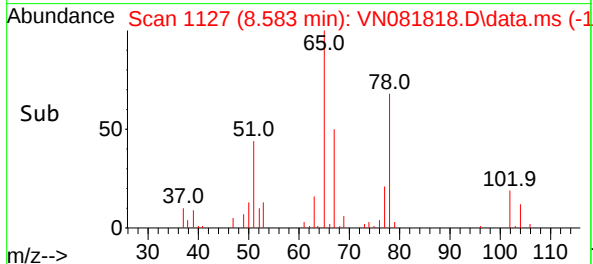
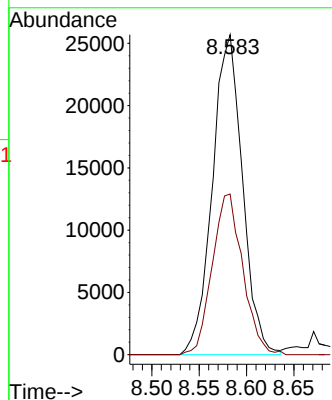
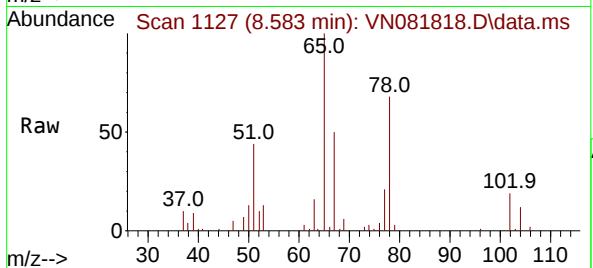
VSTDCCC020EC

Tgt Ion: 65 Resp: 56770
Ion Ratio Lower Upper
65 100
67 50.7 43.2 64.8

Manual Integrations

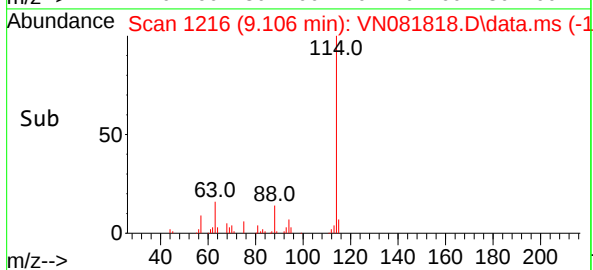
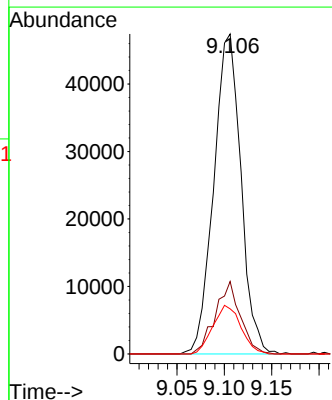
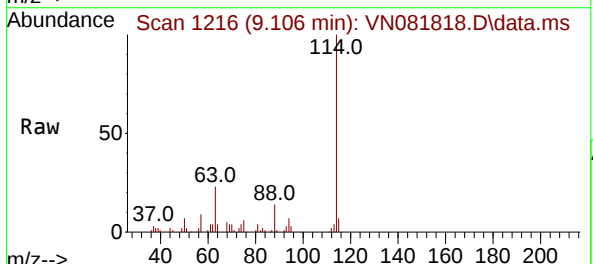
APPROVED

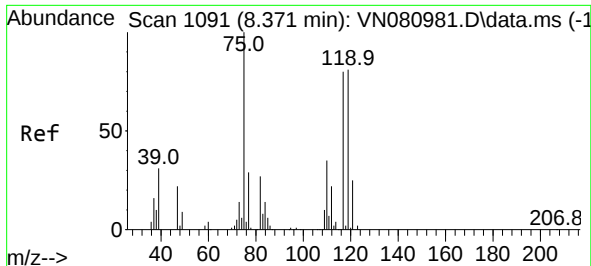
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion:114 Resp: 94473
Ion Ratio Lower Upper
114 100
63 20.9 15.9 23.9
88 15.7 12.7 19.1





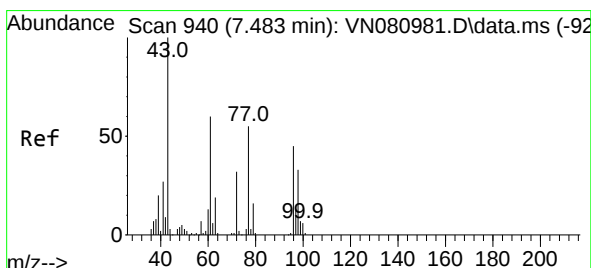
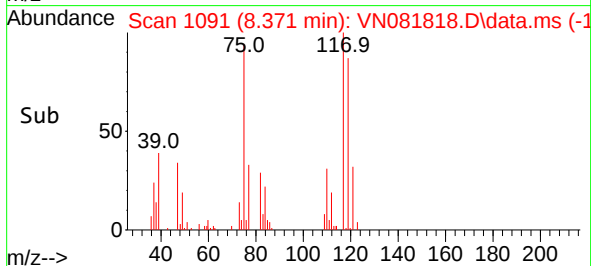
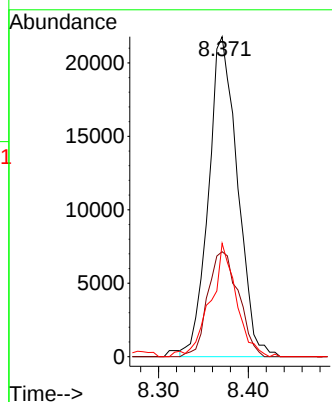
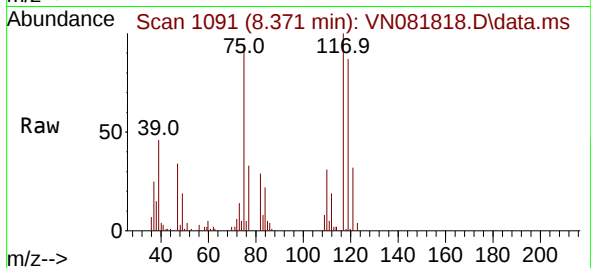
#29
1,1-Dichloropropene
Concen: 19.683 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 4888
Ion Ratio Lower Upper
75 100
110 34.8 0.0 70.2
77 31.0 0.0 61.4

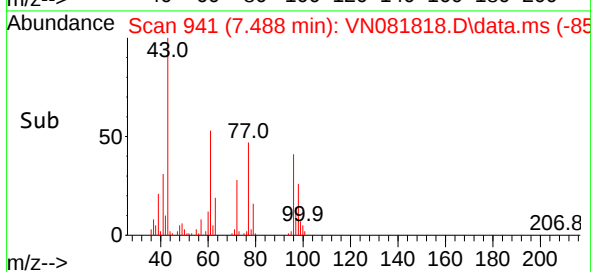
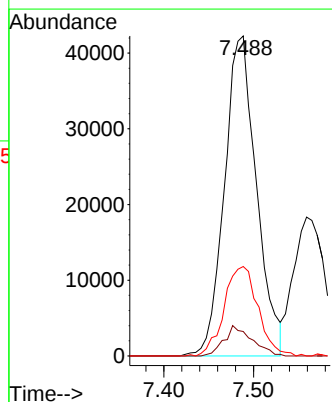
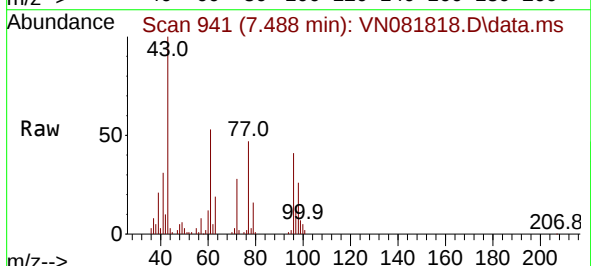
Manual Integrations
APPROVED

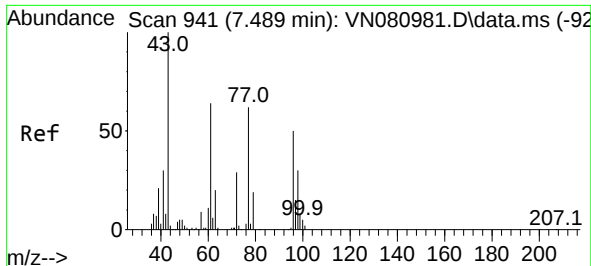
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#30
2-Butanone
Concen: 110.552 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion: 43 Resp: 104864
Ion Ratio Lower Upper
43 100
57 8.3 6.7 10.1
72 29.4 24.0 36.0





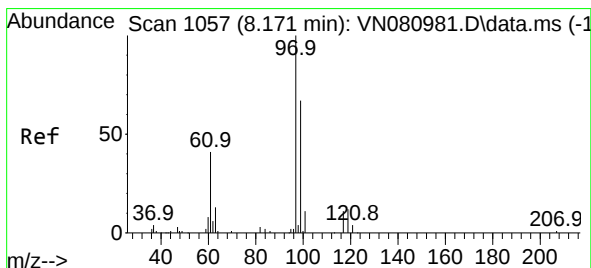
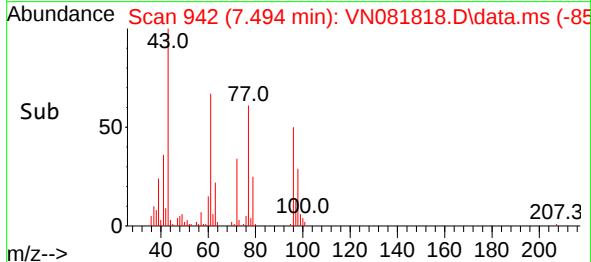
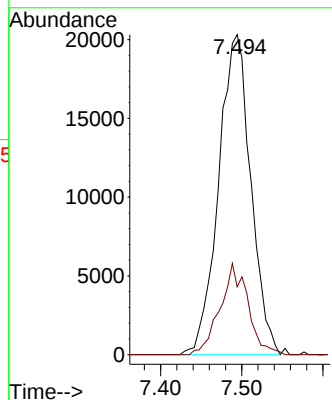
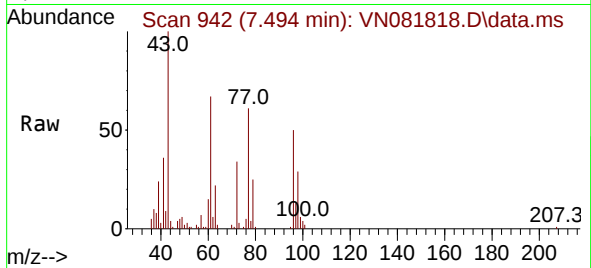
#31
2,2-Dichloropropane
Concen: 18.096 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 77 Resp: 5598
Ion Ratio Lower Upper
77 100
97 15.7 18.3 27.5

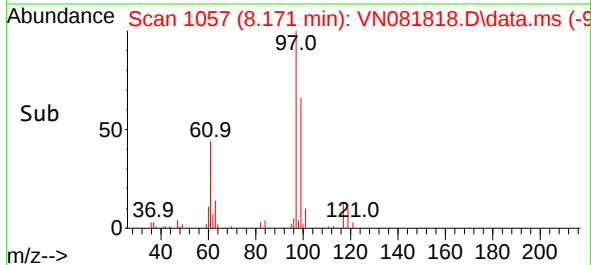
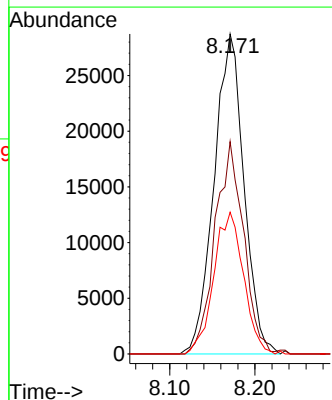
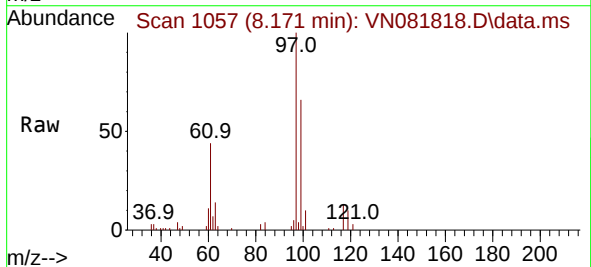
Manual Integrations
APPROVED

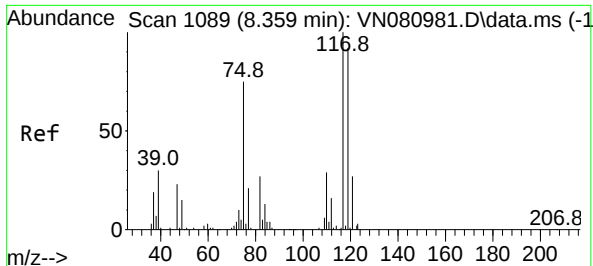
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#32
1,1,1-Trichloroethane
Concen: 20.453 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

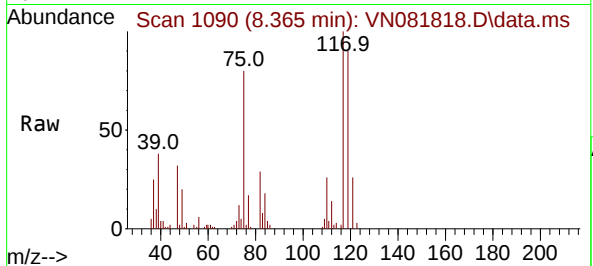
Tgt Ion: 97 Resp: 70012
Ion Ratio Lower Upper
97 100
99 63.3 51.0 76.4
61 44.0 33.8 50.8





#33
Carbon Tetrachloride
Concen: 19.891 ug/l
RT: 8.365 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

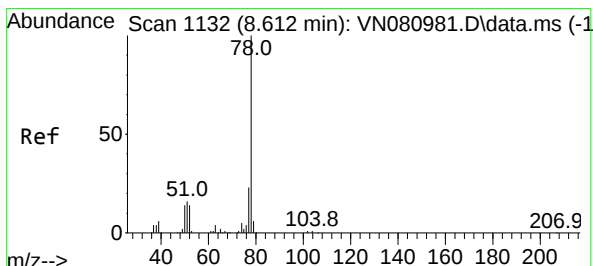
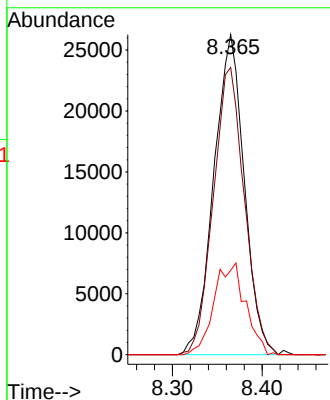
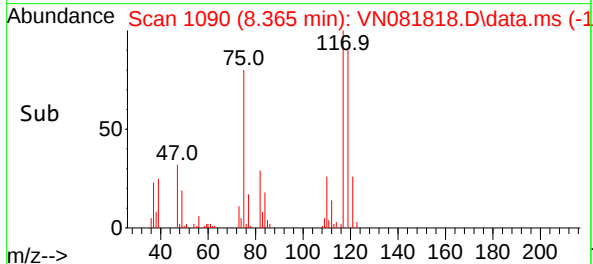
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



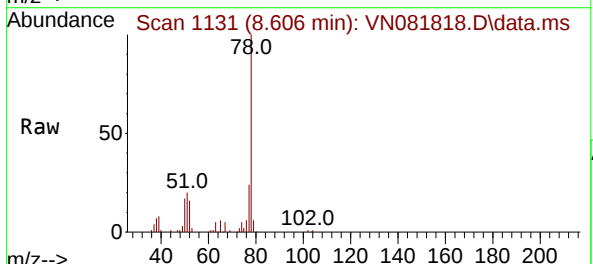
Tgt Ion: 117 Resp: 61720
Ion Ratio Lower Upper
117 100
119 89.8 77.7 116.5
121 26.3 27.0 40.6

Manual Integrations
APPROVED

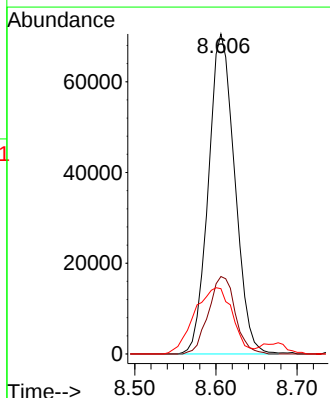
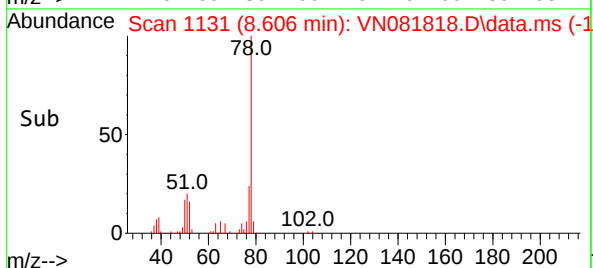
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#34
Benzene
Concen: 19.856 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52



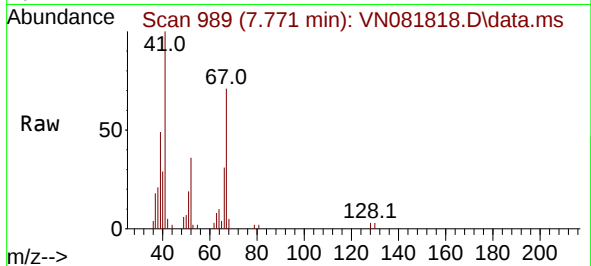
Tgt Ion: 78 Resp: 158866
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8
51 18.0 13.3 19.9





#35
Methacrylonitrile
Concen: 24.836 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

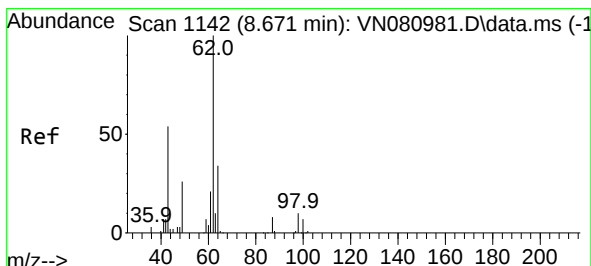
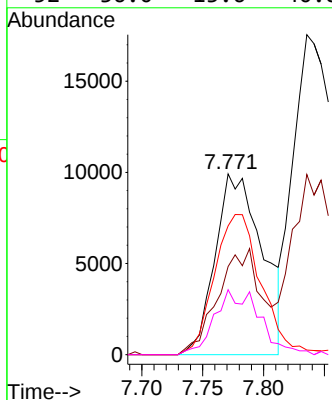
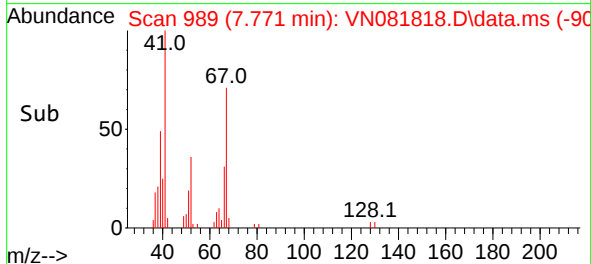
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 26684
Ion Ratio Lower Upper
41 100
39 48.8 25.3 75.9
67 71.3 38.7 116.1
52 36.0 13.6 40.8

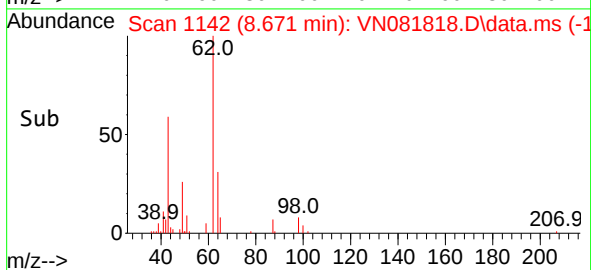
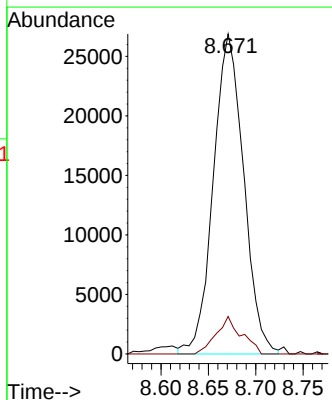
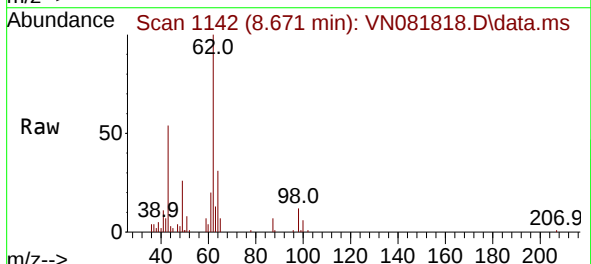
Manual Integrations
APPROVED

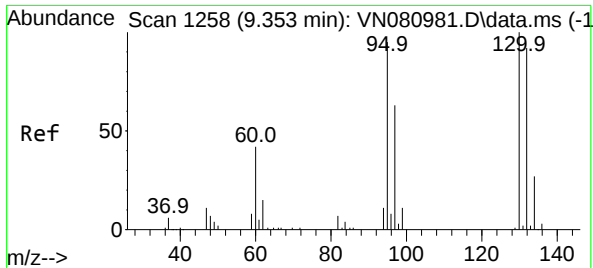
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#36
1,2-Dichloroethane
Concen: 22.804 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

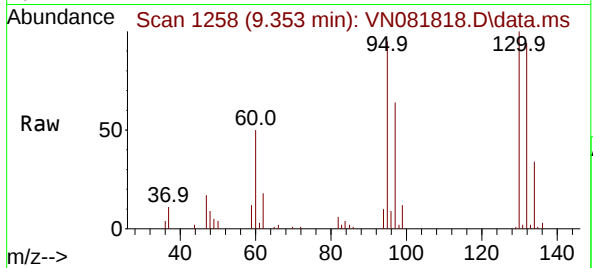
Tgt Ion: 62 Resp: 59844
Ion Ratio Lower Upper
62 100
98 9.7 8.2 12.4





#37
Trichloroethene
Concen: 18.834 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

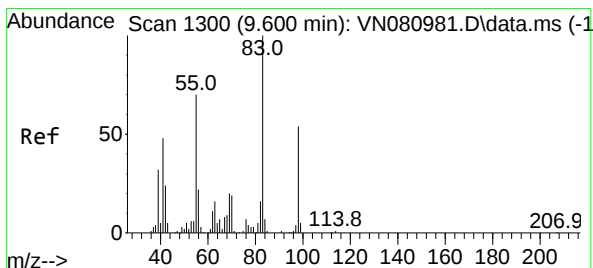
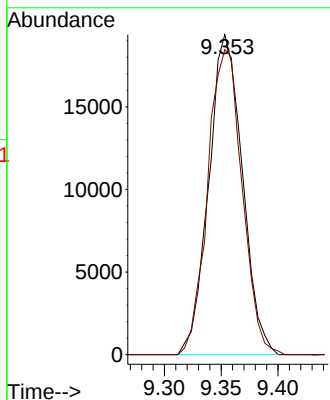
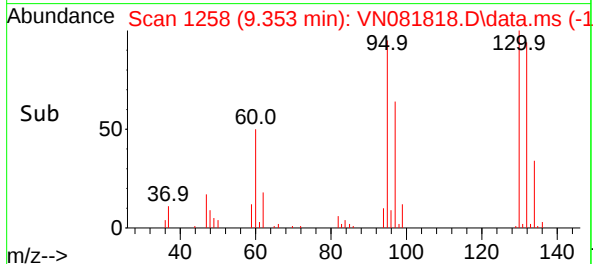
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



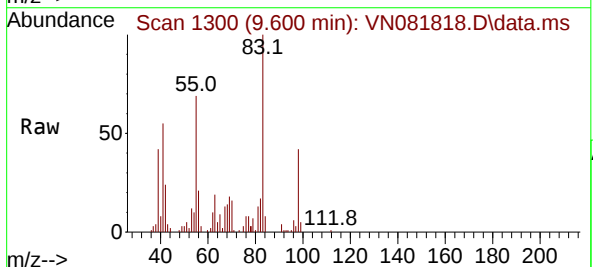
Tgt Ion:130 Resp: 39870
Ion Ratio Lower Upper
130 100
95 95.3 80.2 120.4

Manual Integrations
APPROVED

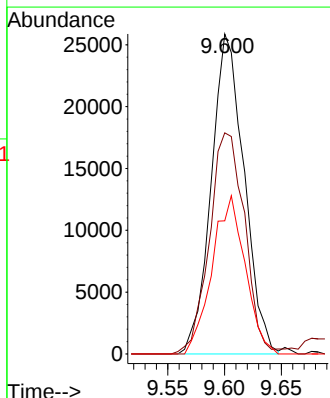
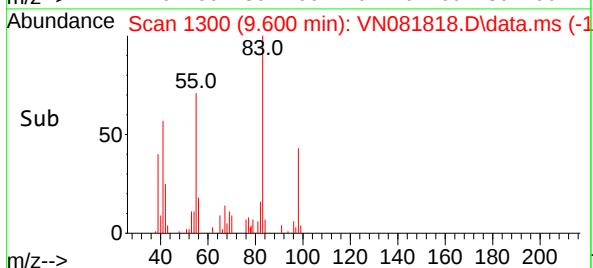
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

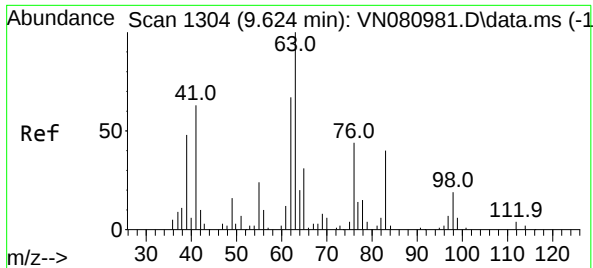


#38
Methylcyclohexane
Concen: 17.165 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52



Tgt Ion: 83 Resp: 52108
Ion Ratio Lower Upper
83 100
55 73.4 36.6 109.9
98 49.8 23.8 71.5





#39

1,2-Dichloropropane

Concen: 21.090 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN081818.D

Acq: 19 Apr 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 3936

Ion Ratio Lower Upper

63 100

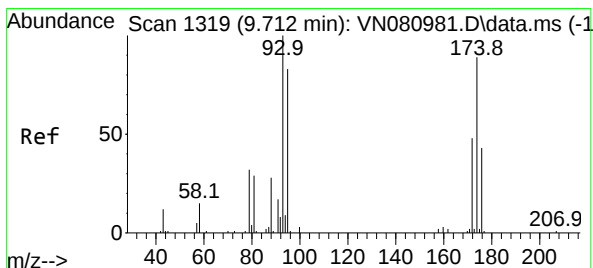
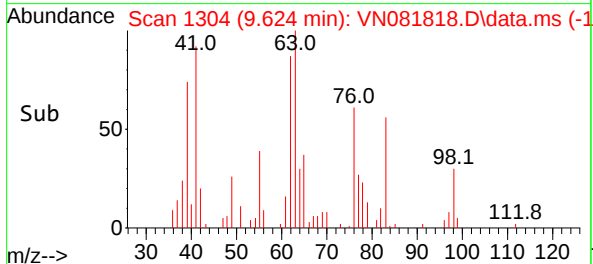
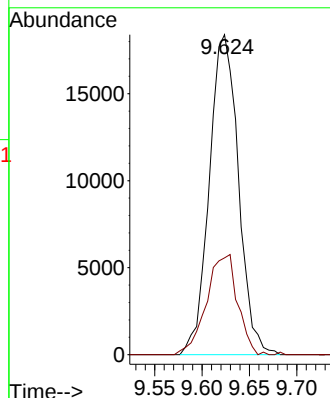
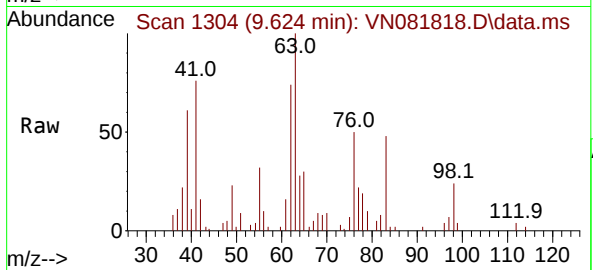
65 29.4 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#40

Dibromomethane

Concen: 21.531 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN081818.D

Acq: 19 Apr 2024 18:52

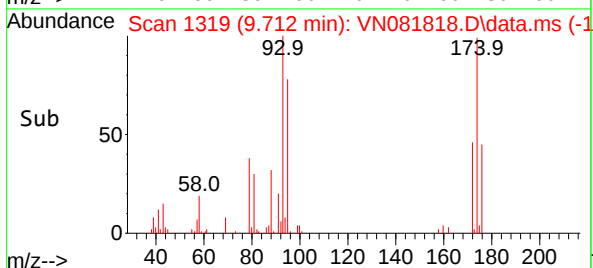
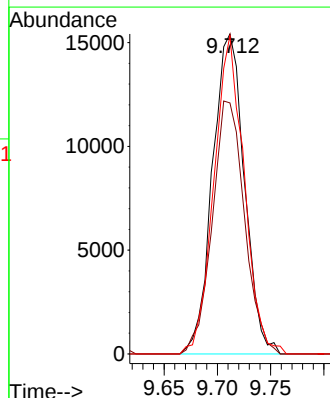
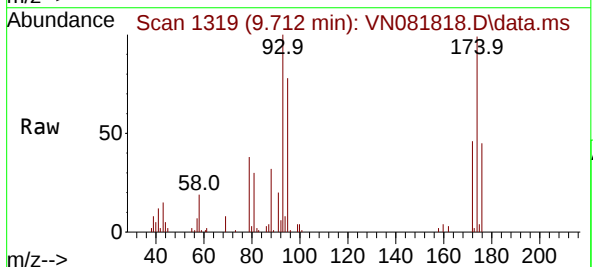
Tgt Ion: 93 Resp: 32014

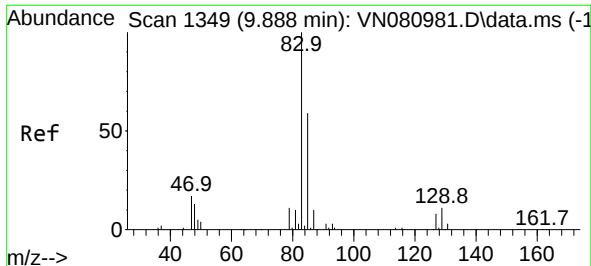
Ion Ratio Lower Upper

93 100

95 80.1 0.0 164.6

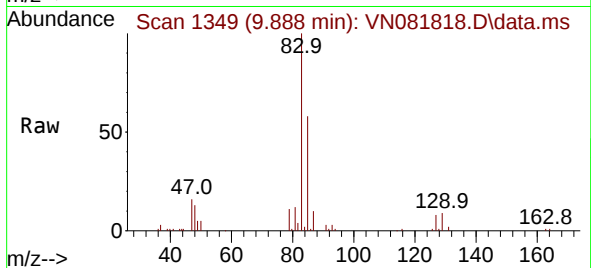
174 93.6 0.0 193.2





#41
Bromodichloromethane
Concen: 21.661 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

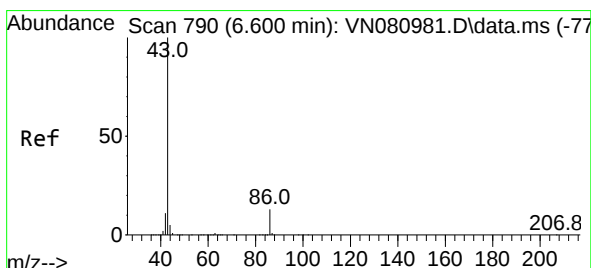
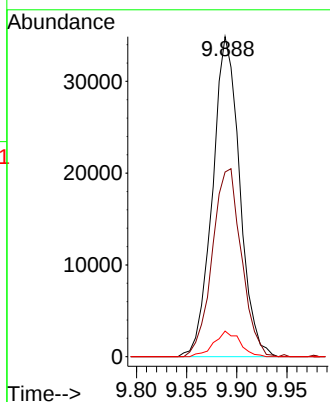
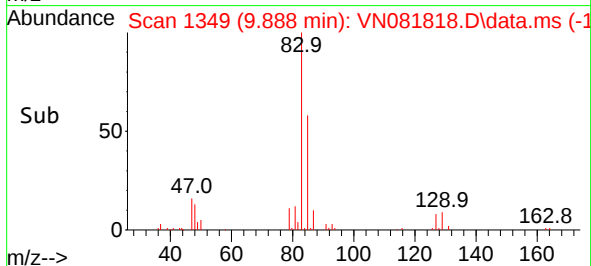
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 65678
Ion Ratio Lower Upper
83 100
85 57.7 49.4 74.2
127 8.0 7.3 10.9

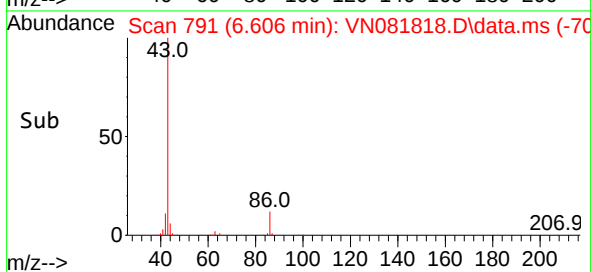
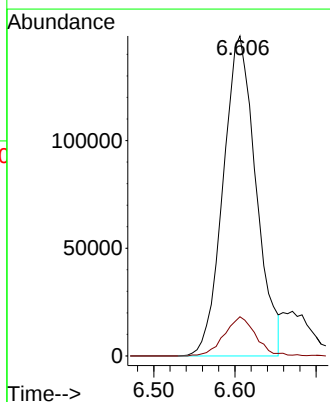
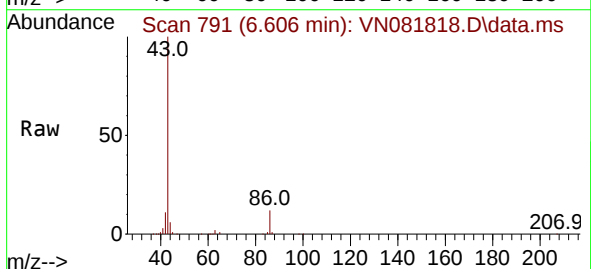
Manual Integrations
APPROVED

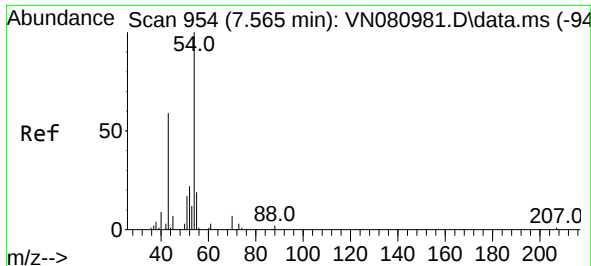
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#42
Vinyl Acetate
Concen: 105.805 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

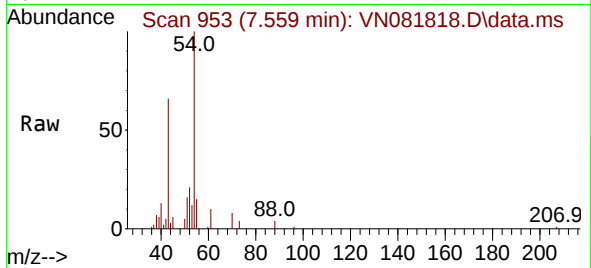
Tgt Ion: 43 Resp: 418087
Ion Ratio Lower Upper
43 100
86 11.4 9.4 14.2





#43
Ethyl Acetate
Concen: 21.896 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

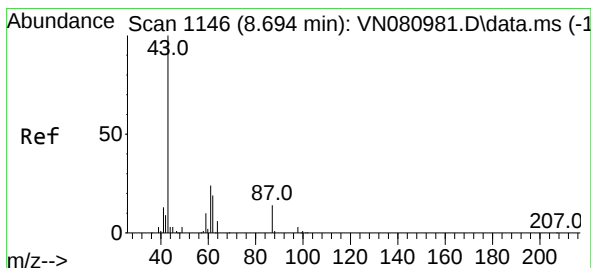
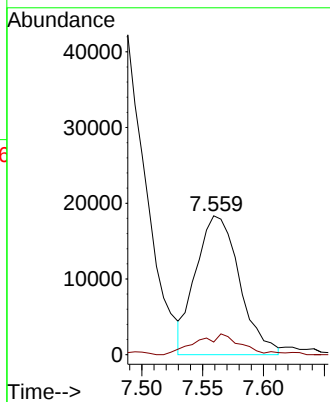
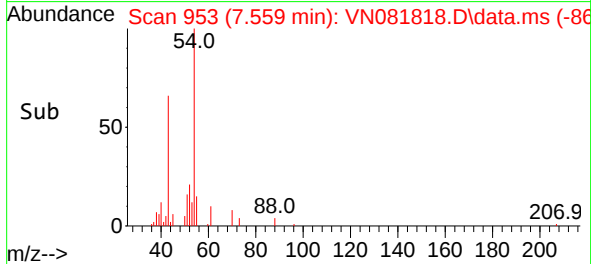
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



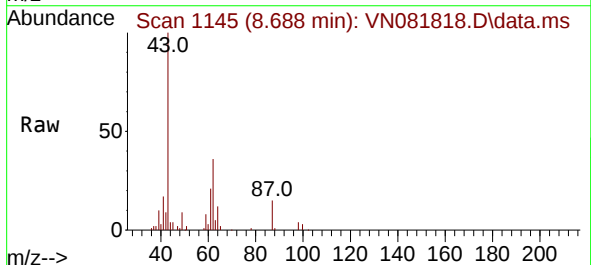
Tgt Ion: 43 Resp: 4577
Ion Ratio Lower Upper
43 100
45 7.5 10.6 15.8

Manual Integrations
APPROVED

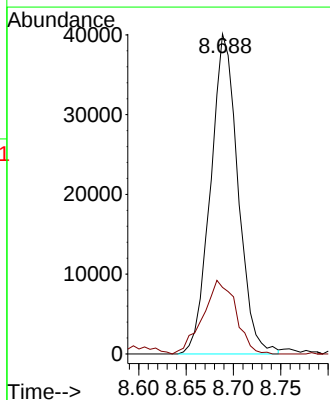
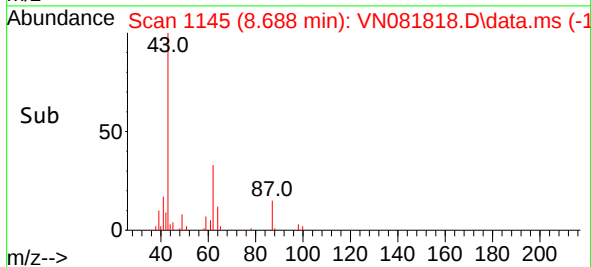
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

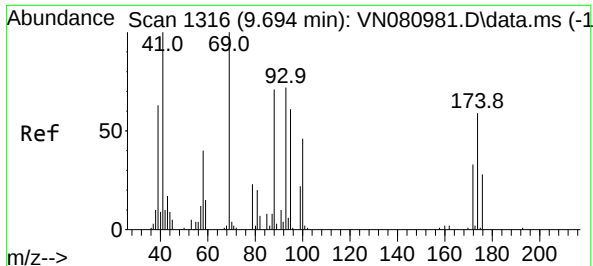


#44
Isopropyl Acetate
Concen: 23.078 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52



Tgt Ion: 43 Resp: 80837
Ion Ratio Lower Upper
43 100
61 27.6 25.0 37.4





#45

1,4-Dioxane

Concen: 411.102 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN081818.D

Acq: 19 Apr 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

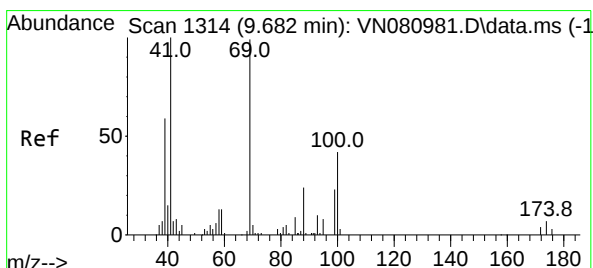
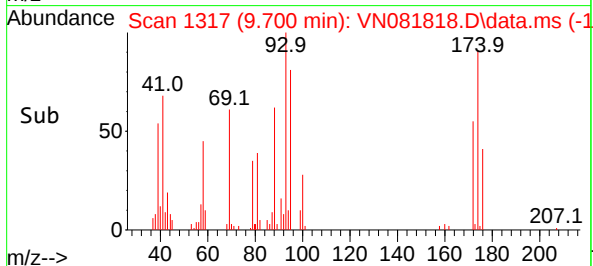
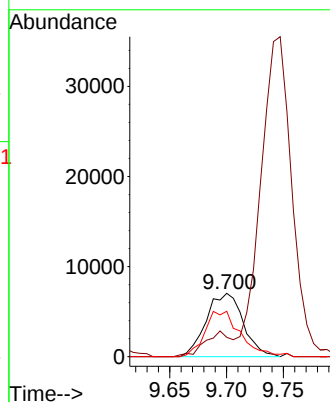
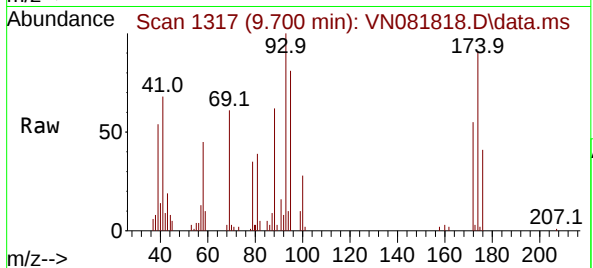
Tgt Ion: 88	Resp: 15890
Ion Ratio	Lower Upper
88	100
43	26.8 19.8 29.6
58	68.7 55.4 83.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#46

Methyl methacrylate

Concen: 22.205 ug/l

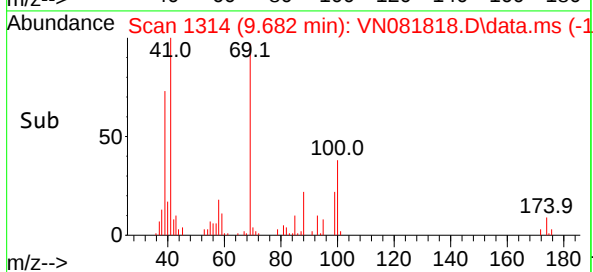
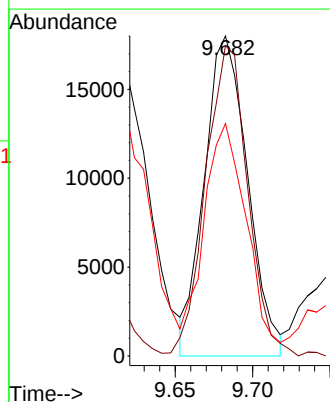
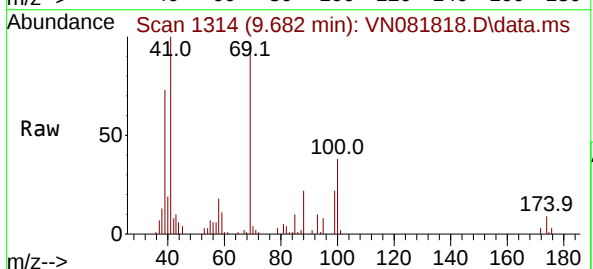
RT: 9.682 min Scan# 1314

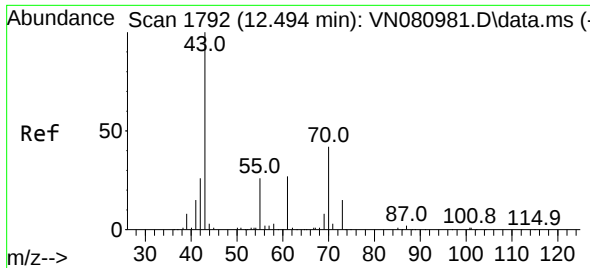
Delta R.T. 0.000 min

Lab File: VN081818.D

Acq: 19 Apr 2024 18:52

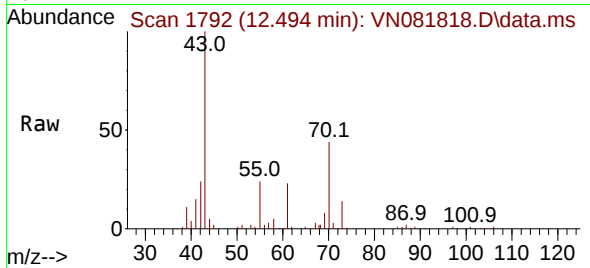
Tgt Ion: 41	Resp: 34976
Ion Ratio	Lower Upper
41	100
69	99.7 51.1 153.3
39	73.3 25.8 77.3





#47
n-amy1 Acetate
Concen: 23.415 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

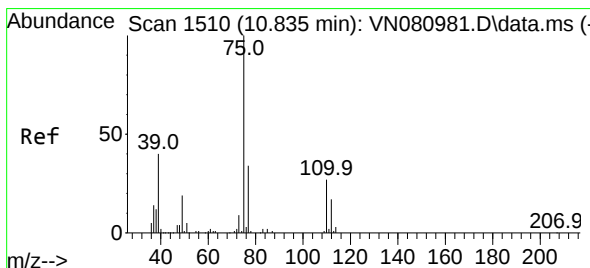
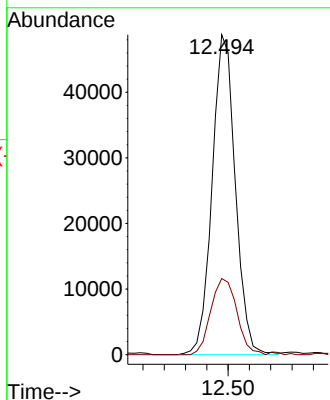
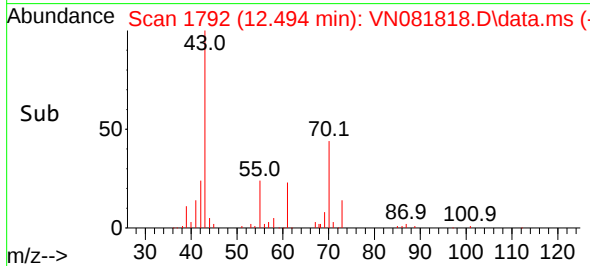
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 73590
Ion Ratio Lower Upper
43 100
55 26.7 23.4 35.2

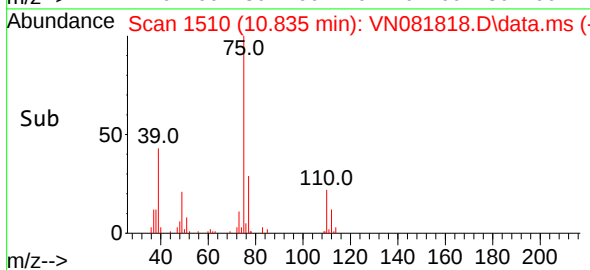
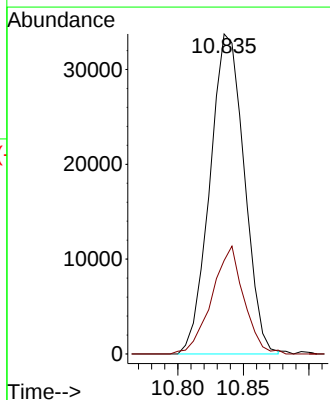
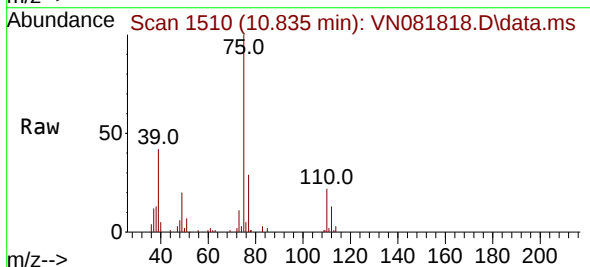
Manual Integrations
APPROVED

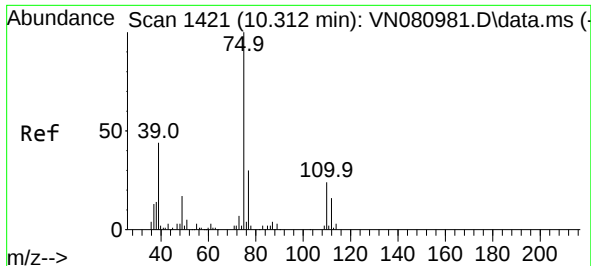
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#48
t-1,3-Dichloropropene
Concen: 21.297 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

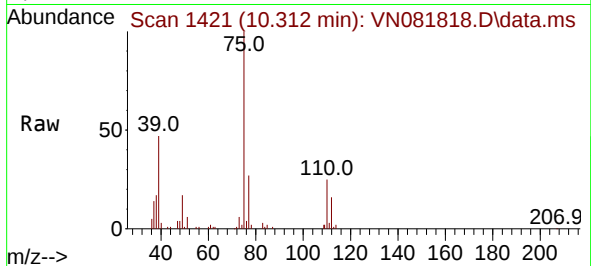
Tgt Ion: 75 Resp: 61521
Ion Ratio Lower Upper
75 100
77 28.4 23.8 35.6





#49
cis-1,3-Dichloropropene
Concen: 20.689 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

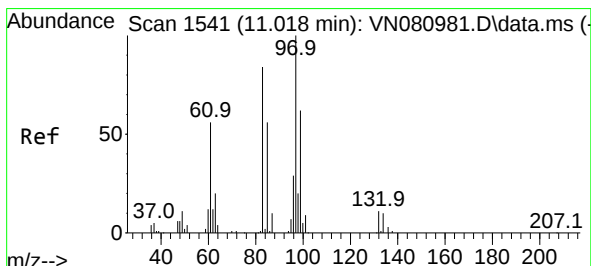
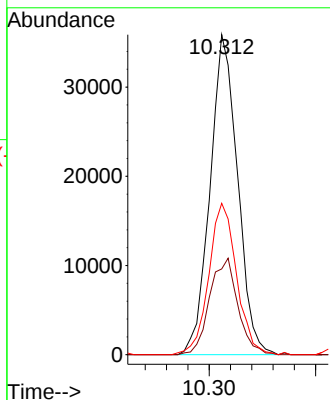
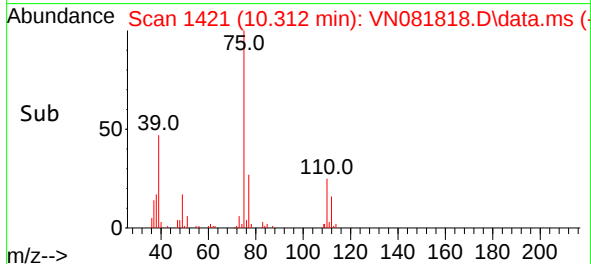
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 64359
Ion Ratio Lower Upper
75 100
77 26.8 24.9 37.3
39 47.3 31.0 46.6

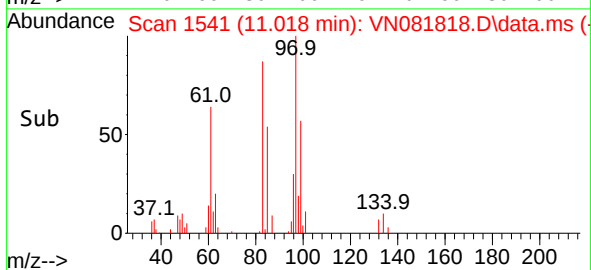
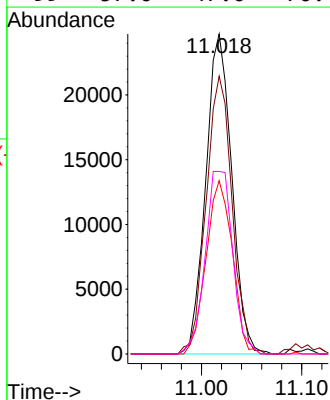
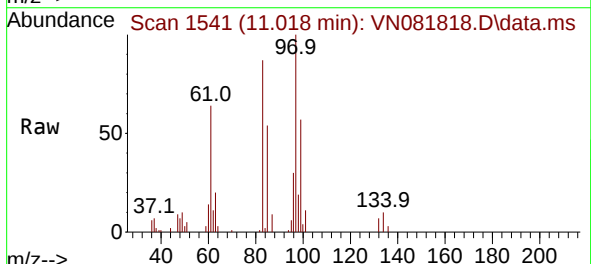
Manual Integrations
APPROVED

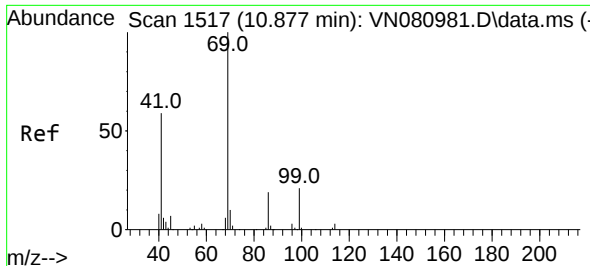
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#50
1,1,2-Trichloroethane
Concen: 22.393 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion: 97 Resp: 44582
Ion Ratio Lower Upper
97 100
83 86.8 68.1 102.1
85 54.1 41.8 62.6
99 57.0 47.0 70.4





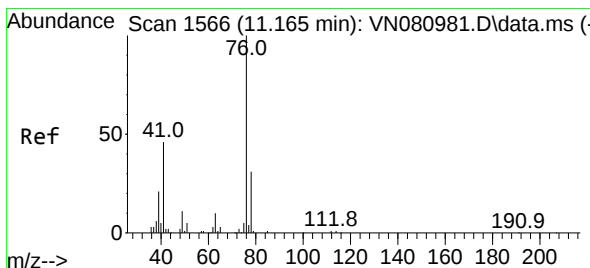
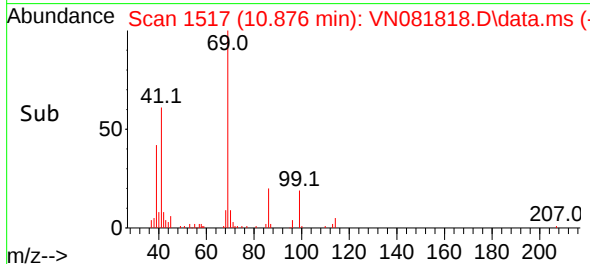
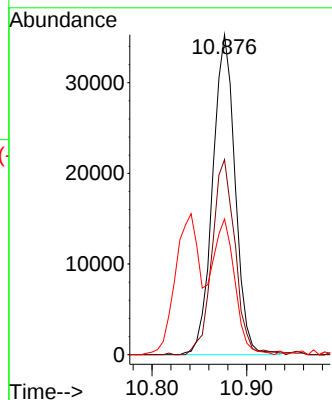
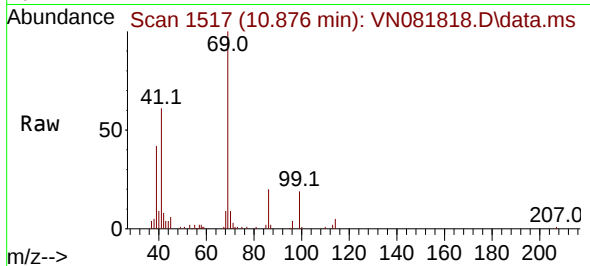
#51
Ethyl methacrylate
Concen: 20.998 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 69 Resp: 58209
Ion Ratio Lower Upper
69 100
41 60.9 25.5 76.5
39 41.3 16.0 47.9

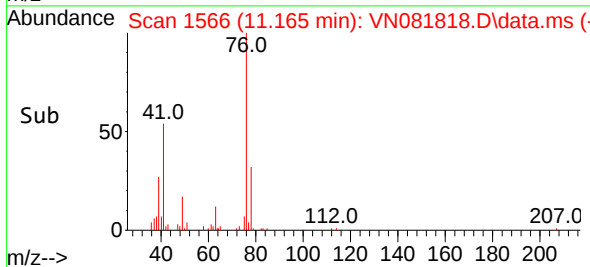
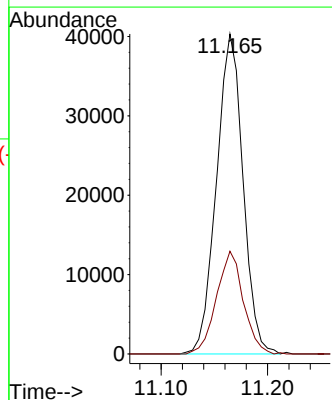
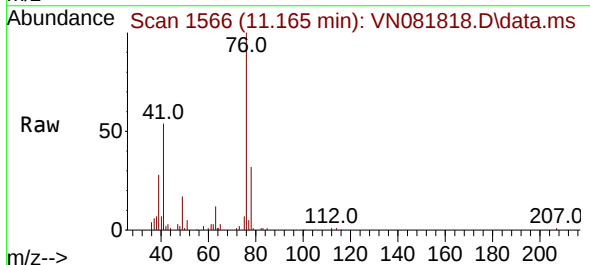
Manual Integrations
APPROVED

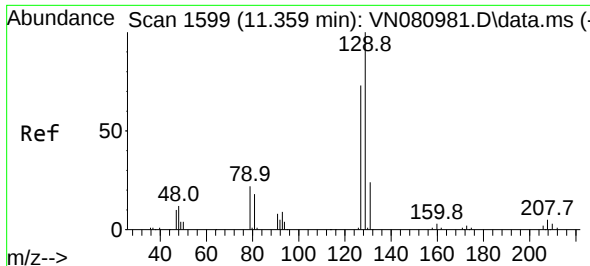
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#52
1,3-Dichloropropane
Concen: 21.364 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

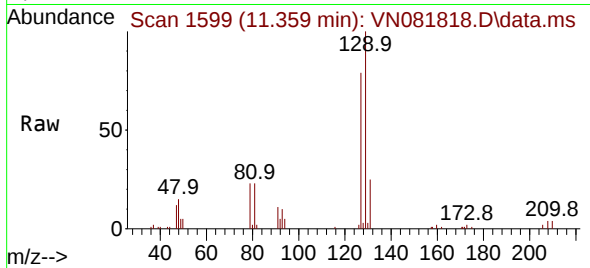
Tgt Ion: 76 Resp: 69716
Ion Ratio Lower Upper
76 100
78 32.5 0.0 65.8





#53
Dibromochloromethane
Concen: 21.450 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

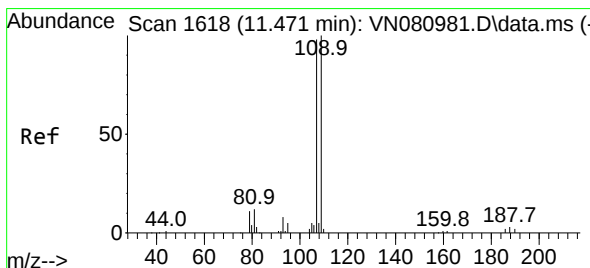
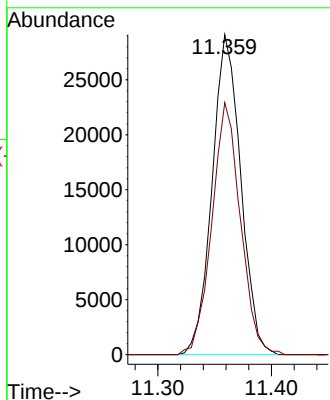
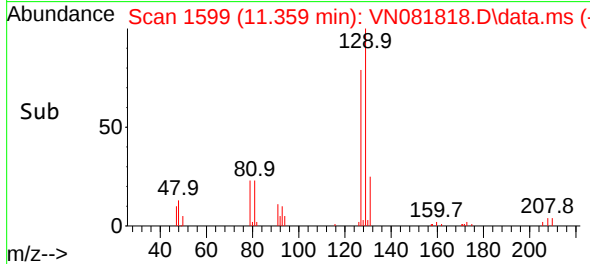
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



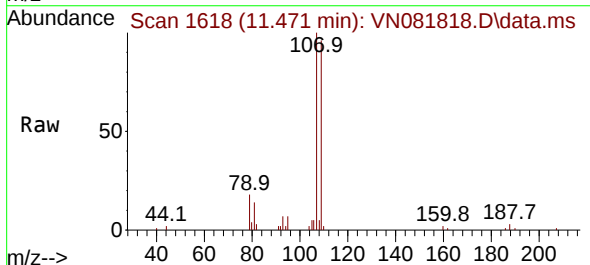
Tgt Ion:129 Resp: 5101
Ion Ratio Lower Upper
129 100
127 78.4 39.4 118.1

Manual Integrations
APPROVED

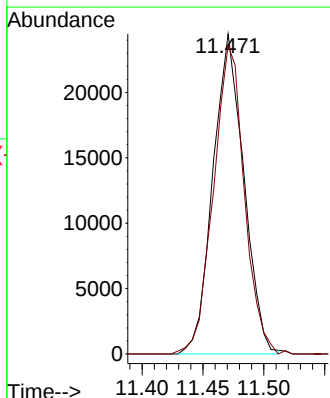
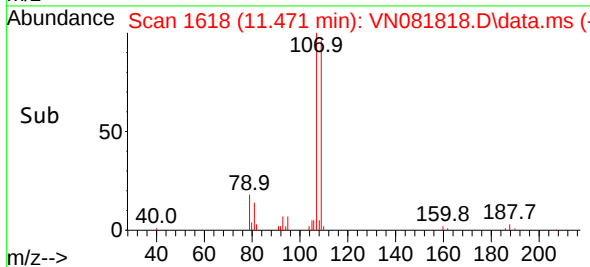
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

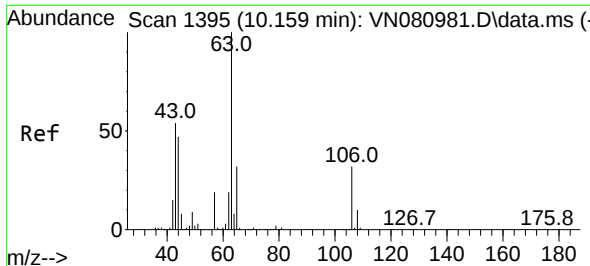


#54
1,2-Dibromoethane
Concen: 20.924 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52



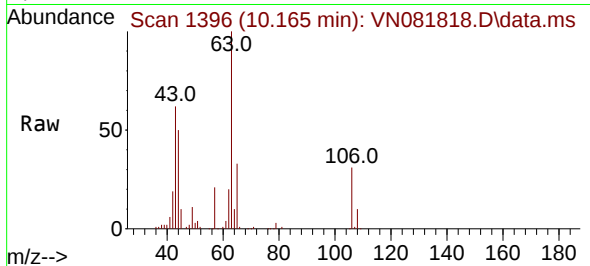
Tgt Ion:107 Resp: 43059
Ion Ratio Lower Upper
107 100
109 96.3 74.7 112.1





#55
2-Chloroethyl vinyl ether
Concen: 108.664 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

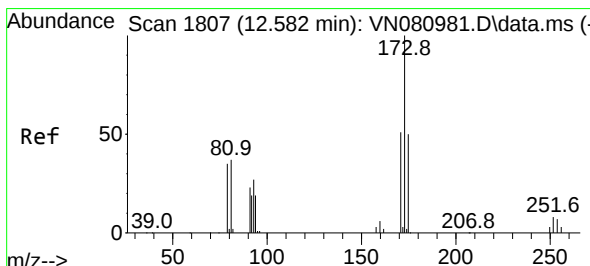
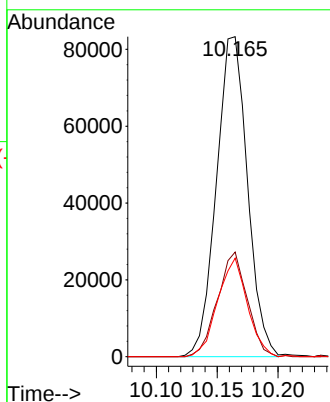
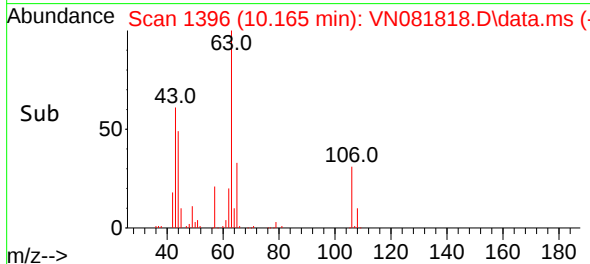
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 147925
Ion Ratio Lower Upper
63 100
65 31.3 26.2 39.2
106 29.4 23.8 35.8

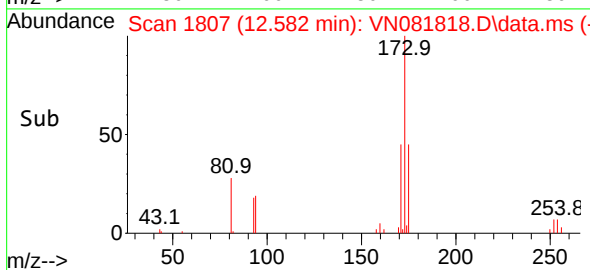
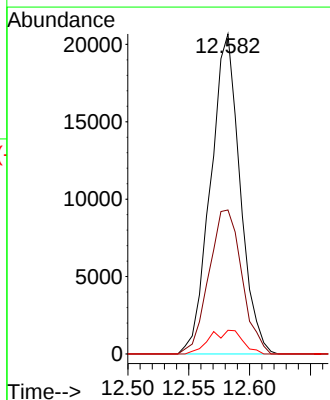
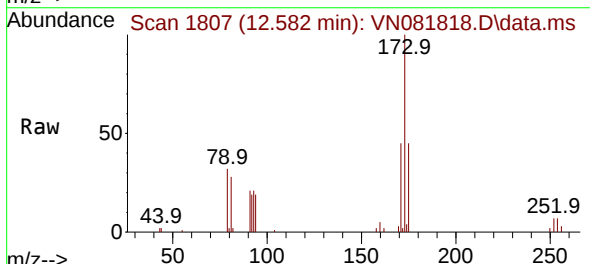
Manual Integrations
APPROVED

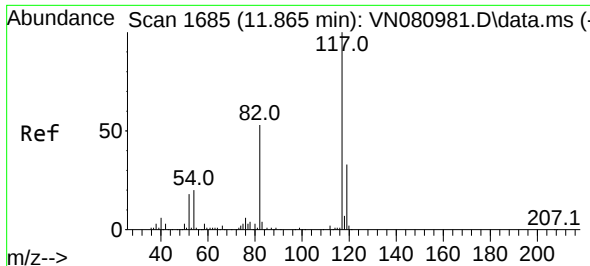
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#56
Bromoform
Concen: 22.852 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

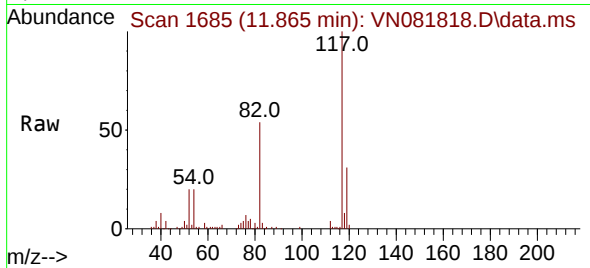
Tgt Ion:173 Resp: 34752
Ion Ratio Lower Upper
173 100
175 50.4 40.0 60.0
254 4.6 8.3 12.5#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

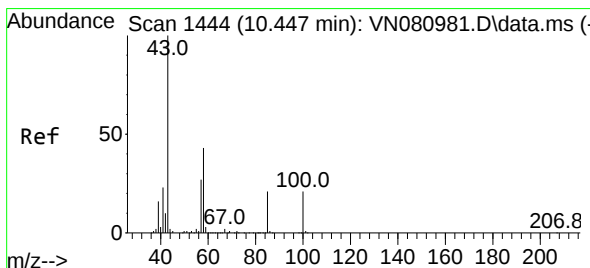
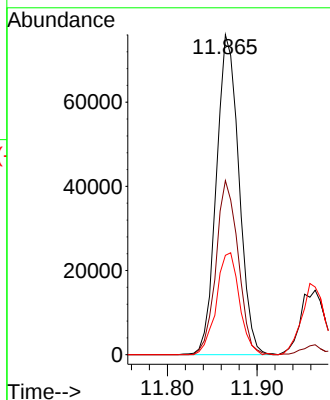
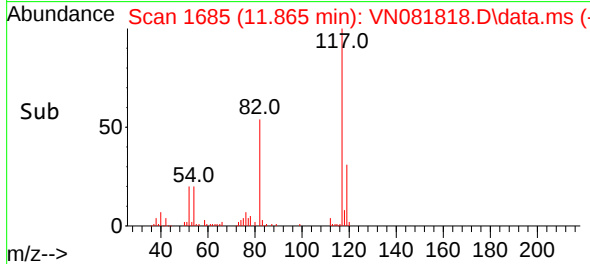
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 117 Resp: 13280
Ion Ratio Lower Upper
117 100
82 53.4 46.6 69.8
119 32.5 25.4 38.2

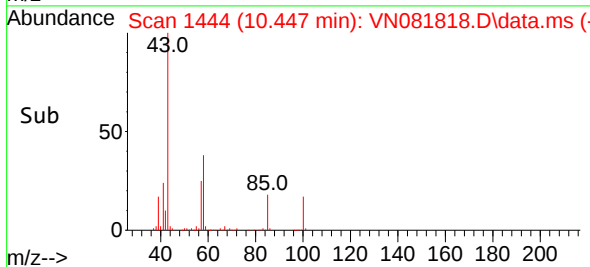
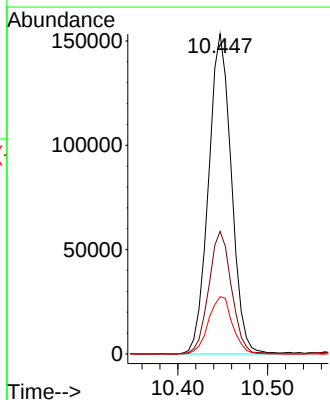
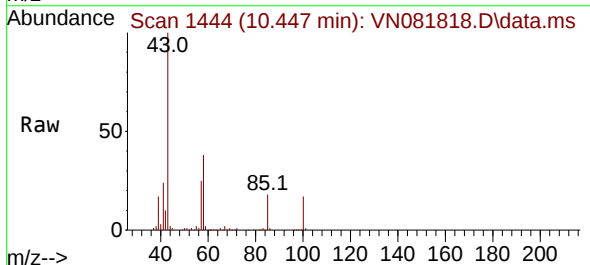
Manual Integrations
APPROVED

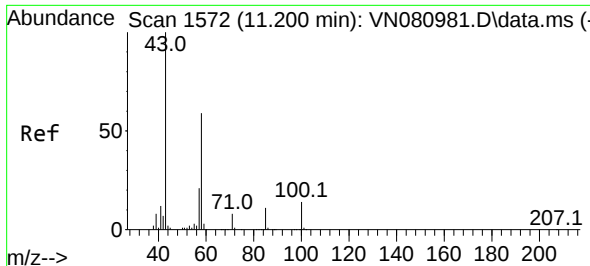
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#58
4-Methyl-2-Pentanone
Concen: 118.934 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

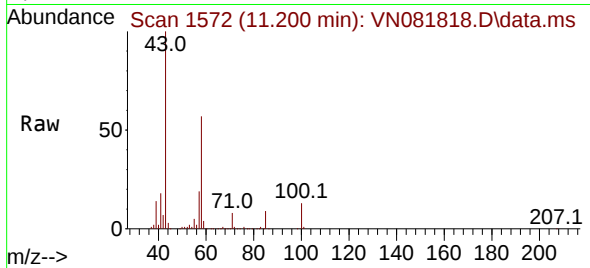
Tgt Ion: 43 Resp: 271633
Ion Ratio Lower Upper
43 100
58 38.0 36.5 54.7
85 18.7 19.5 29.3#





#59
2-Hexanone
Concen: 115.808 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

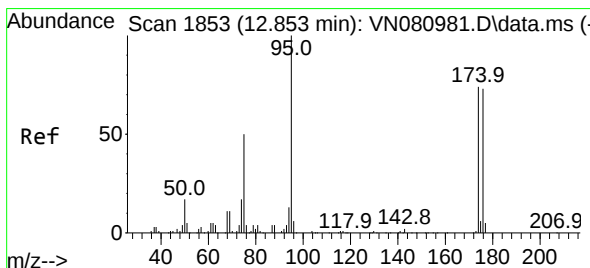
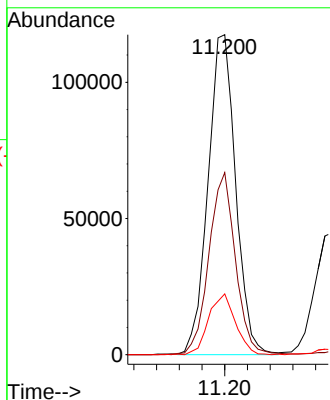
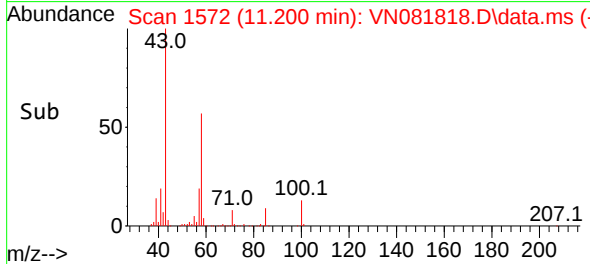
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 19863
Ion Ratio Lower Upper
43 100
58 54.6 50.4 75.6
57 18.4 18.6 27.8

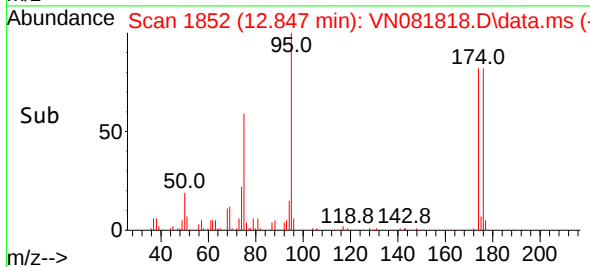
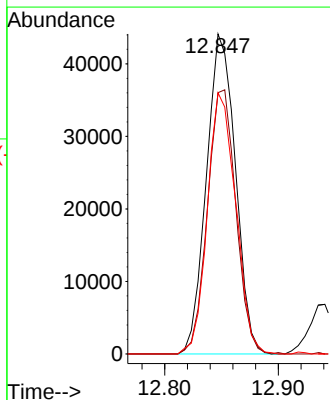
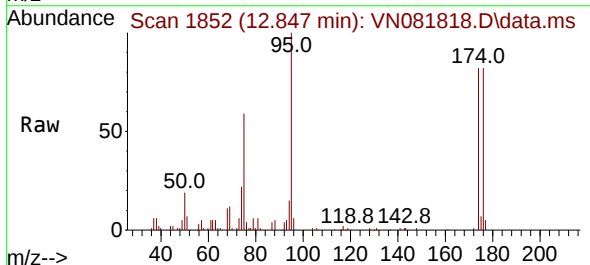
Manual Integrations
APPROVED

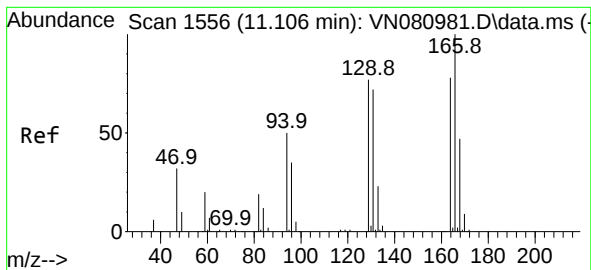
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#60
4-Bromofluorobenzene
Concen: 30.029 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

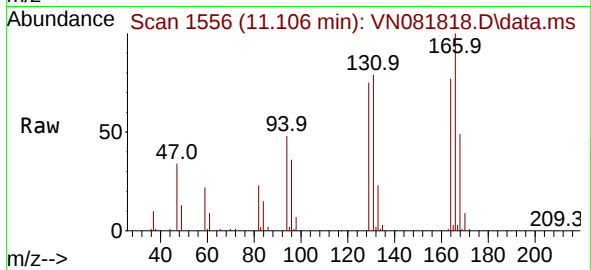
Tgt Ion: 95 Resp: 78407
Ion Ratio Lower Upper
95 100
174 80.5 60.5 90.7
176 79.6 57.8 86.6





#61
Tetrachloroethene
Concen: 19.165 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

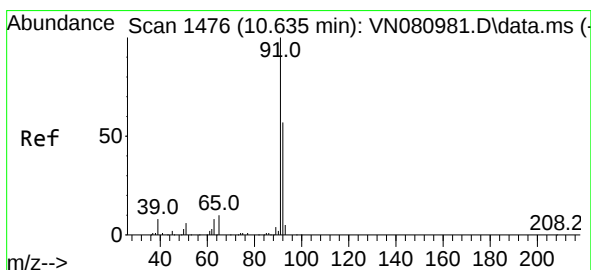
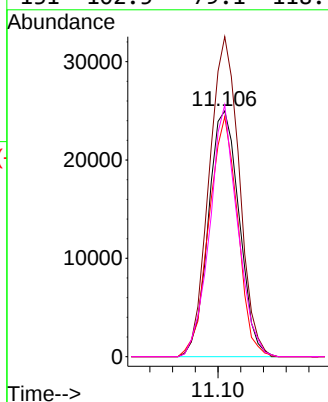
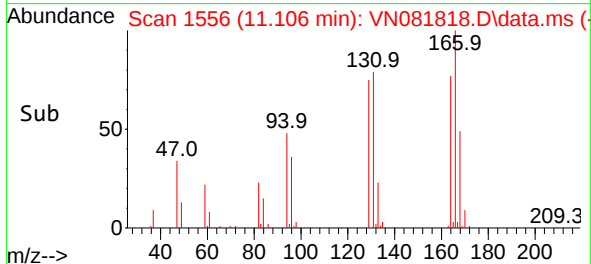
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:164 Resp: 4716
Ion Ratio Lower Upper
164 100
166 130.2 106.7 160.1
129 97.7 85.8 128.6
131 102.5 79.1 118.7

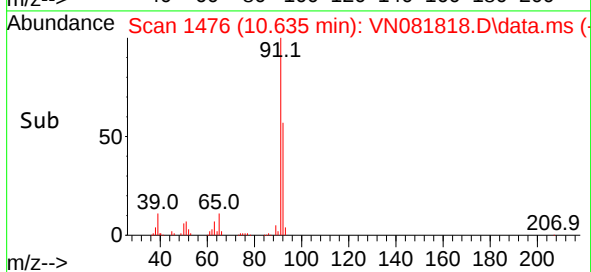
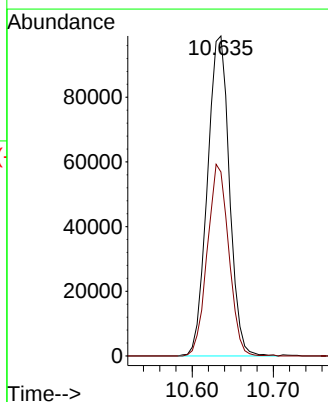
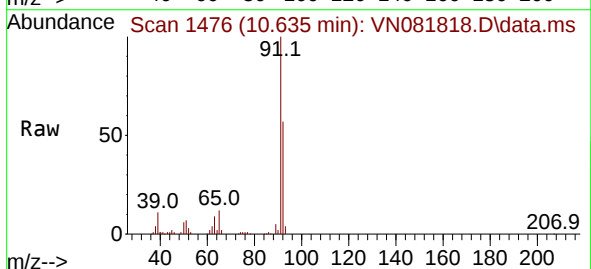
Manual Integrations
APPROVED

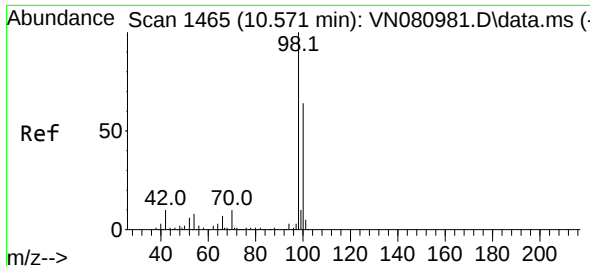
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#62
Toluene
Concen: 19.245 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

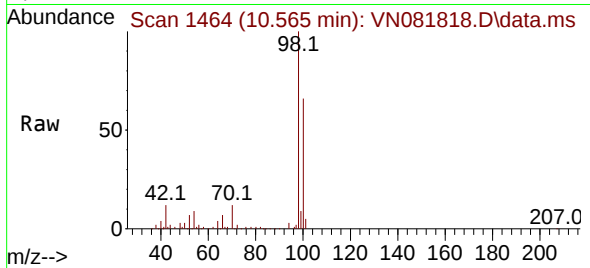
Tgt Ion: 91 Resp: 185948
Ion Ratio Lower Upper
91 100
92 58.4 46.5 69.7





#63
Toluene-d8
Concen: 30.309 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

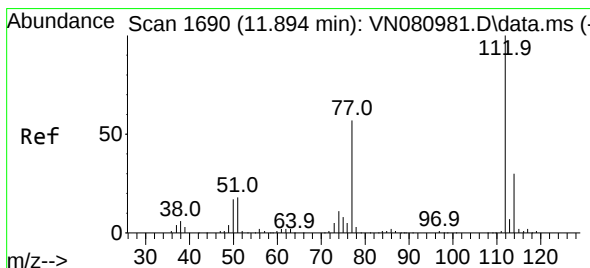
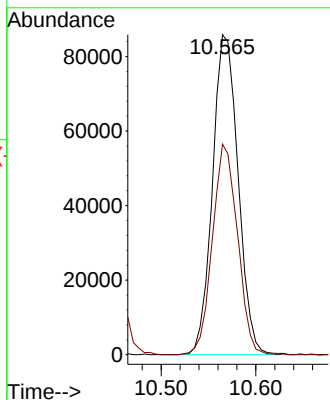
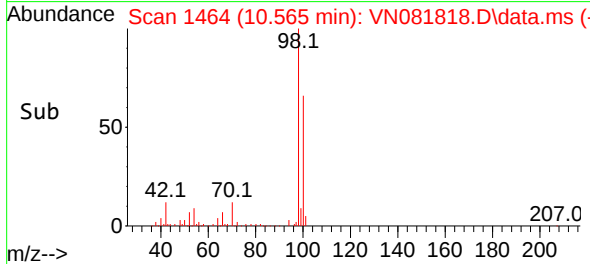
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 98 Resp: 161463
Ion Ratio Lower Upper
98 100
100 64.3 52.7 79.1

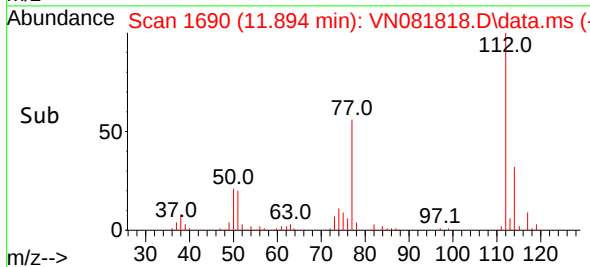
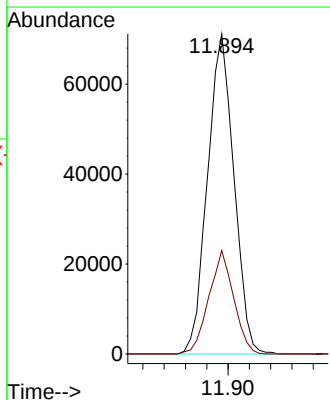
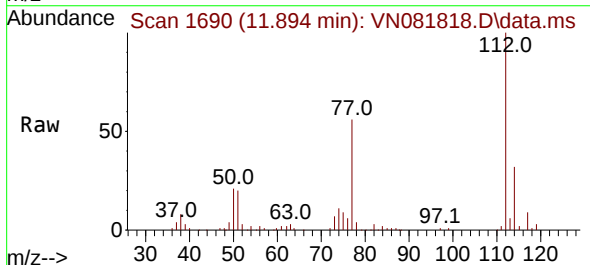
Manual Integrations
APPROVED

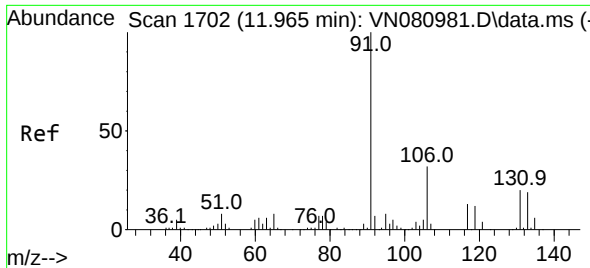
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#64
Chlorobenzene
Concen: 19.991 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion:112 Resp: 122476
Ion Ratio Lower Upper
112 100
114 32.3 26.6 39.8





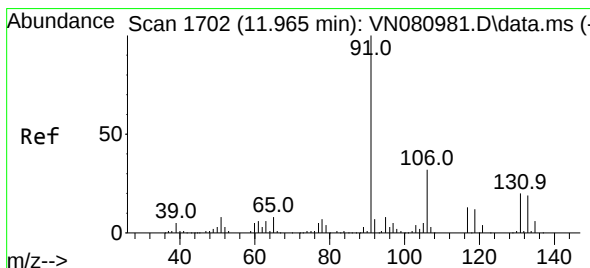
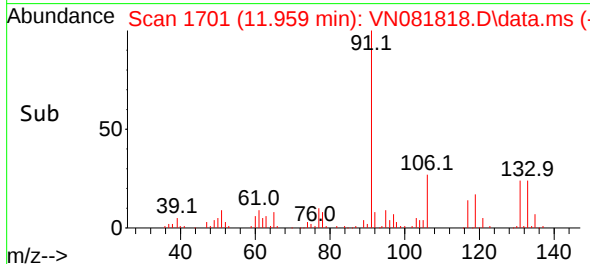
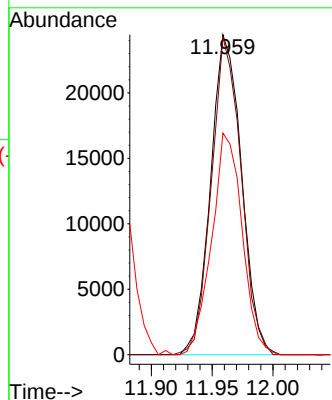
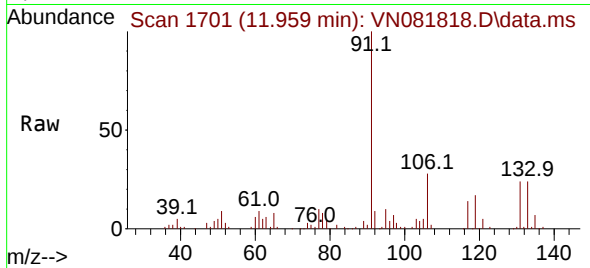
#65
1,1,1,2-Tetrachloroethane
Concen: 19.382 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 43130
Ion Ratio Lower Upper
131 100
133 95.3 0.0 188.0
119 68.4 0.0 122.8

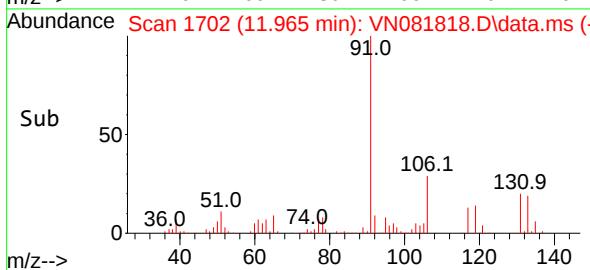
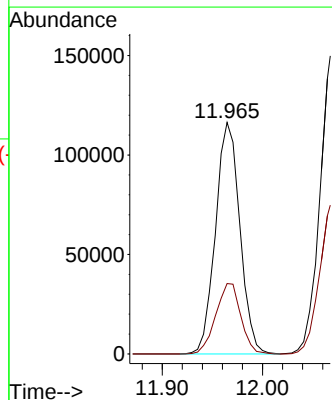
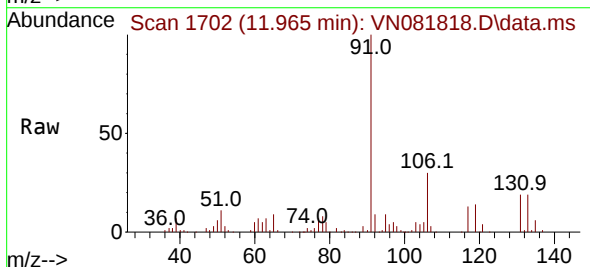
Manual Integrations
APPROVED

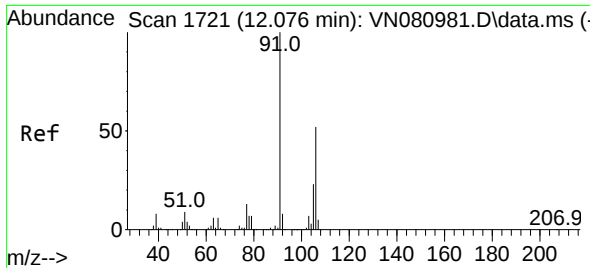
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#66
Ethyl Benzene
Concen: 19.064 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion: 91 Resp: 195843
Ion Ratio Lower Upper
91 100
106 30.4 24.4 36.6





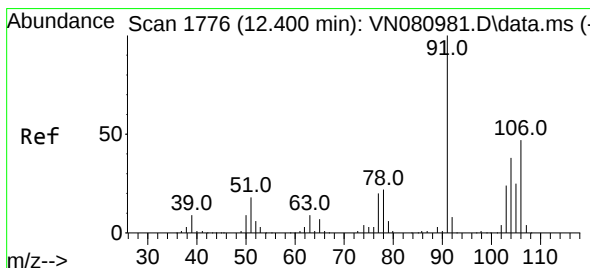
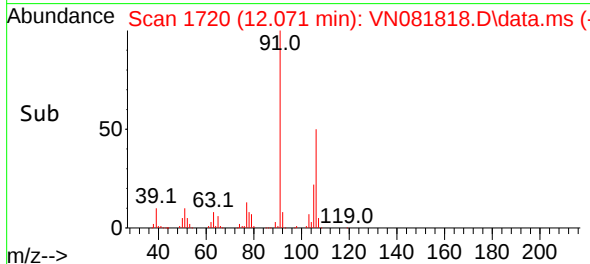
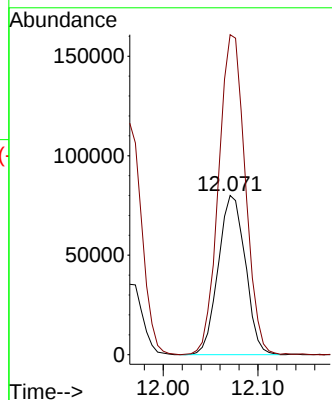
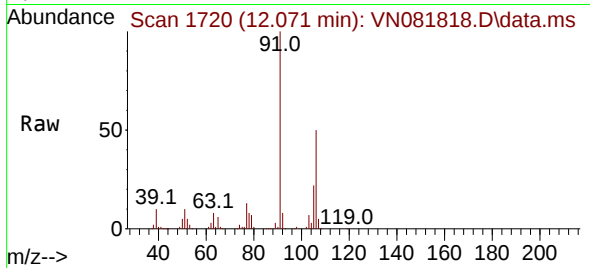
#67
m/p-Xylenes
Concen: 39.089 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 159056
Ion Ratio Lower Upper
106 100
91 197.6 166.6 249.8

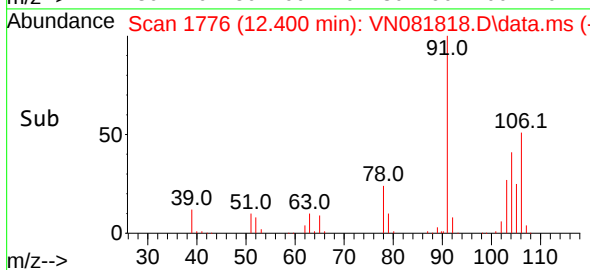
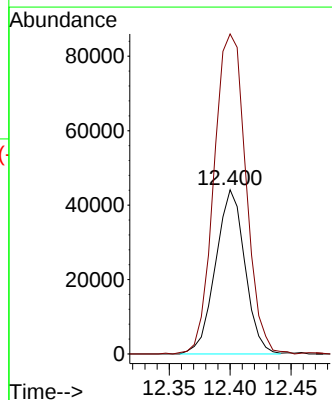
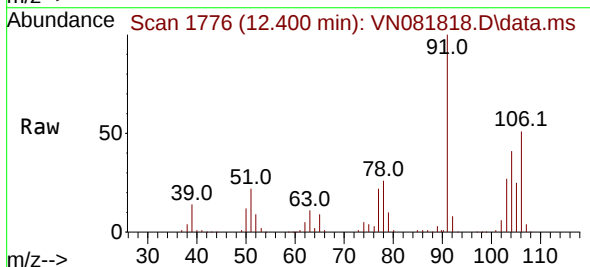
Manual Integrations
APPROVED

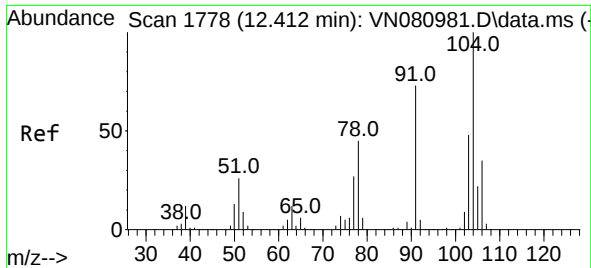
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#68
o-Xylene
Concen: 19.158 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion:106 Resp: 74007
Ion Ratio Lower Upper
106 100
91 211.2 110.0 330.0





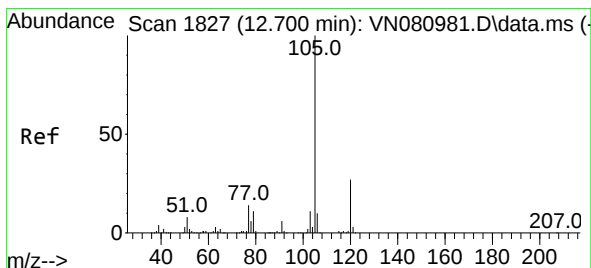
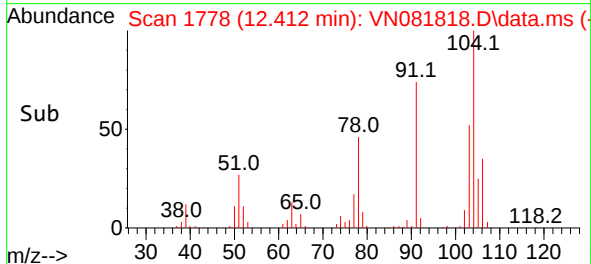
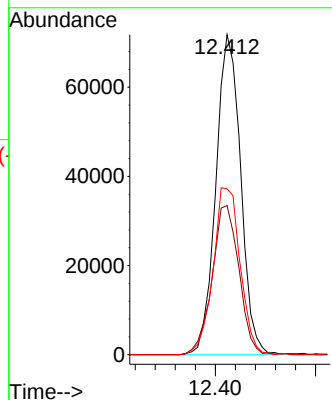
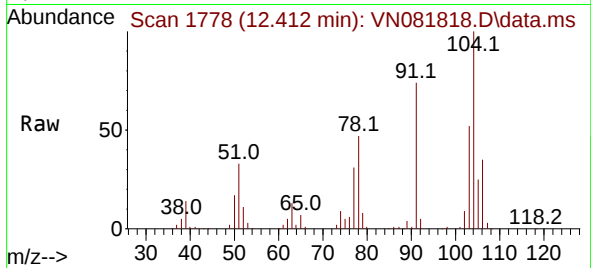
#69
Styrene
Concen: 18.690 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 12295
Ion Ratio Lower Upper
104 100
78 50.2 42.6 64.0
103 56.9 43.7 65.5

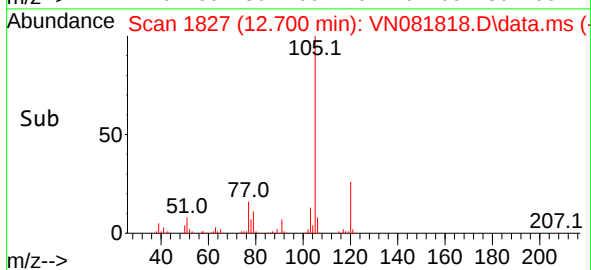
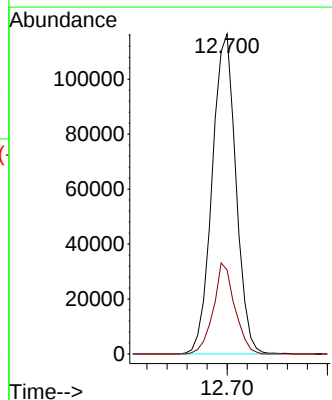
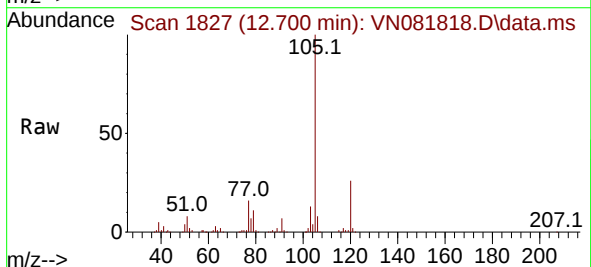
Manual Integrations
APPROVED

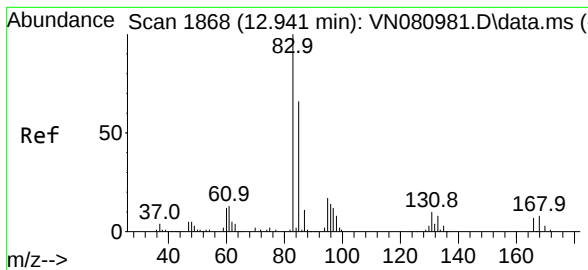
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#70
Isopropylbenzene
Concen: 19.200 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion:105 Resp: 191337
Ion Ratio Lower Upper
105 100
120 25.6 17.8 33.1





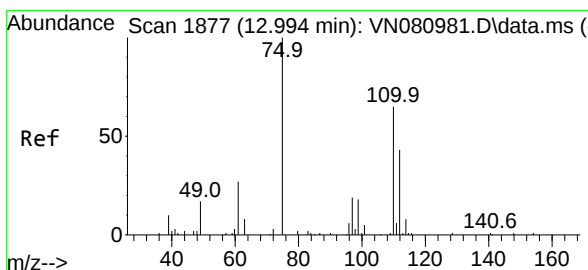
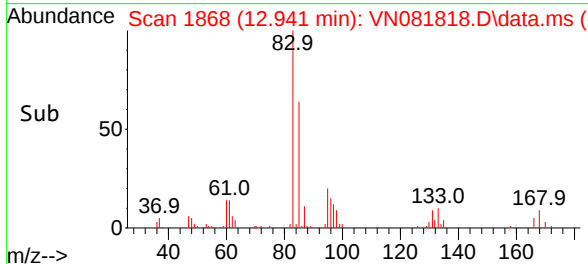
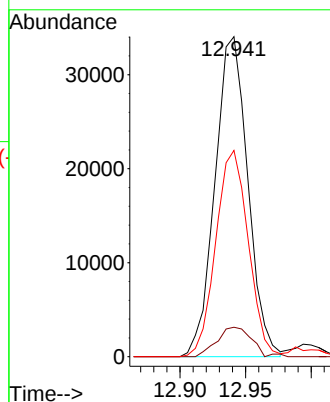
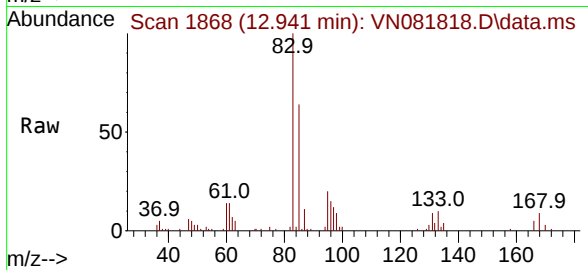
#71
1,1,2,2-Tetrachloroethane
Concen: 22.789 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 5932
Ion Ratio Lower Upper
83 100
131 9.5 5.2 15.6
85 63.7 32.3 96.8

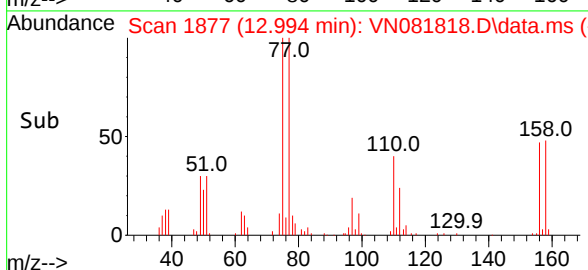
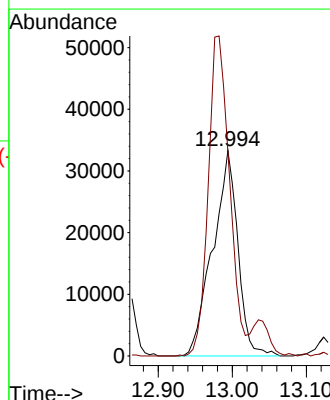
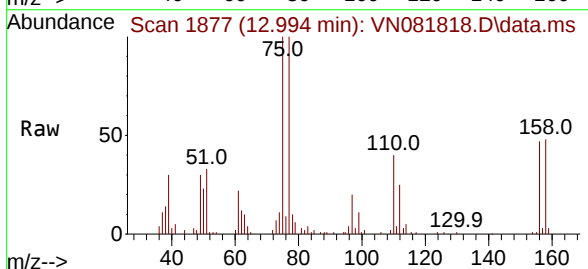
Manual Integrations
APPROVED

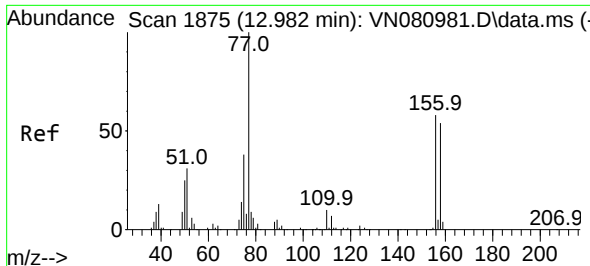
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#72
1,2,3-Trichloropropane
Concen: 32.560 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion: 75 Resp: 78473
Ion Ratio Lower Upper
75 100
77 131.6 0.0 367.6





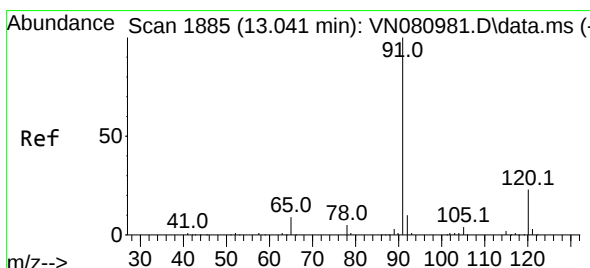
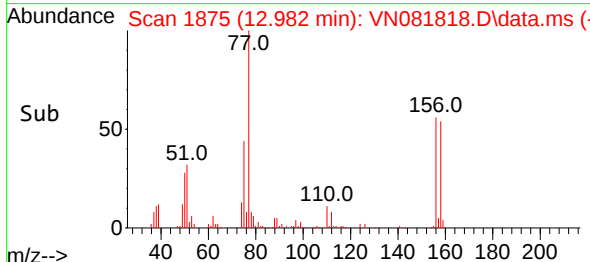
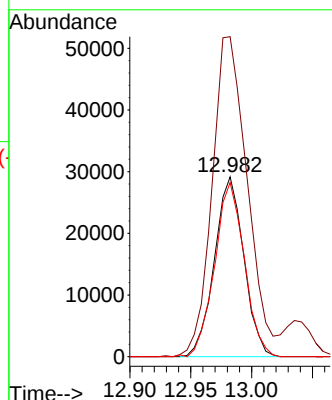
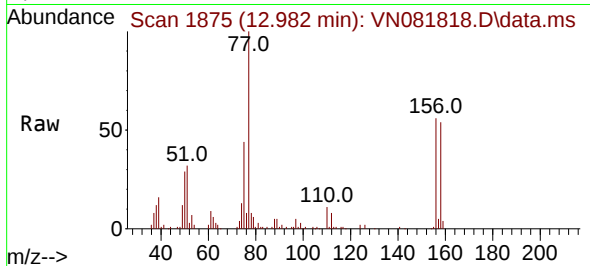
#73
Bromobenzene
Concen: 19.797 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:156 Resp: 48880
Ion Ratio Lower Upper
156 100
77 211.2 0.0 437.6
158 97.7 0.0 203.8

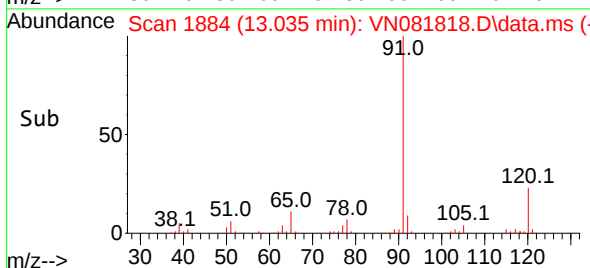
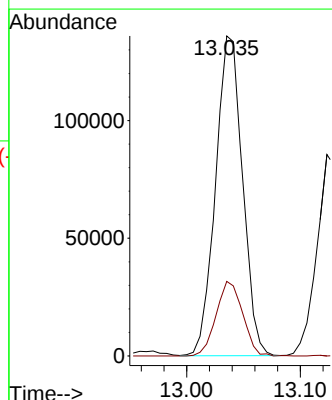
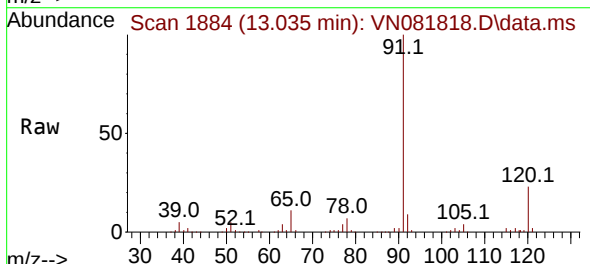
Manual Integrations
APPROVED

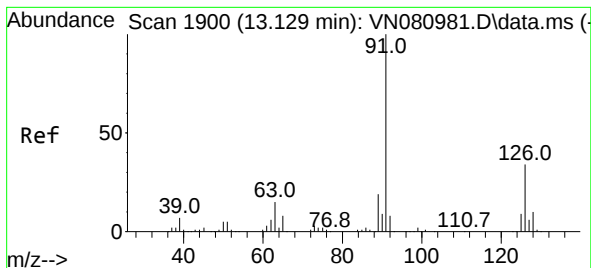
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#74
n-propylbenzene
Concen: 18.829 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion: 91 Resp: 224614
Ion Ratio Lower Upper
91 100
120 22.8 0.0 43.8





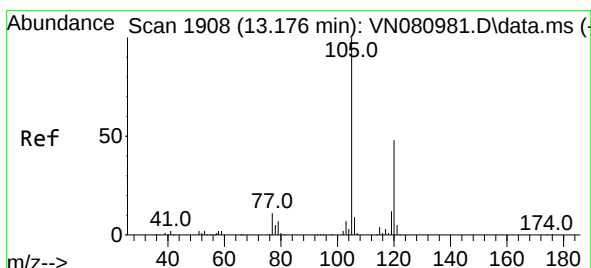
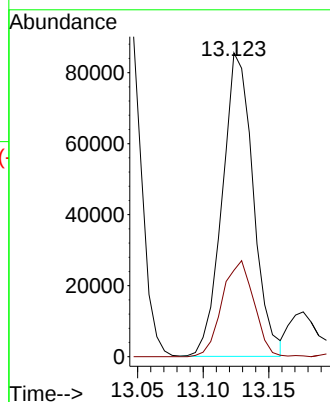
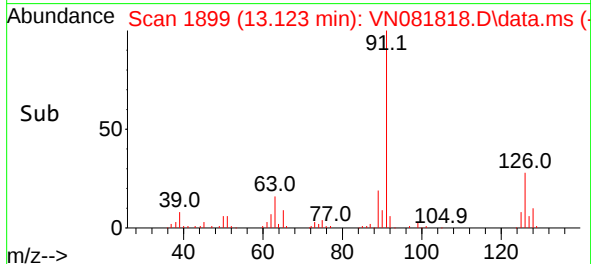
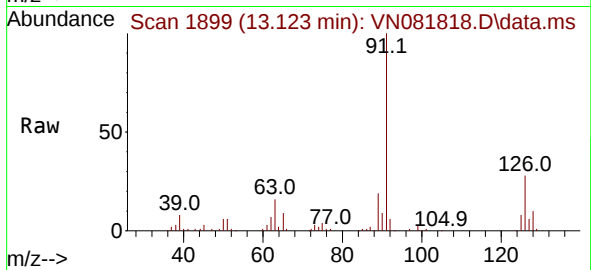
#75
2-Chlorotoluene
Concen: 19.755 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 14040
Ion Ratio Lower Upper
91 100
126 32.4 0.0 61.2

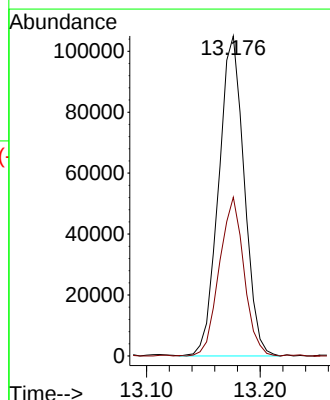
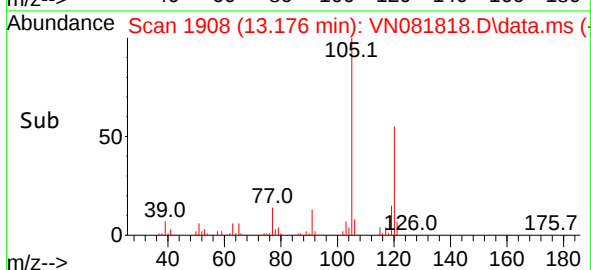
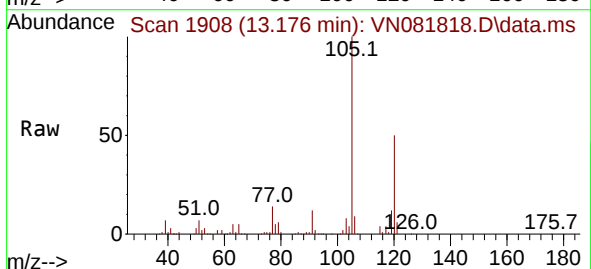
Manual Integrations
APPROVED

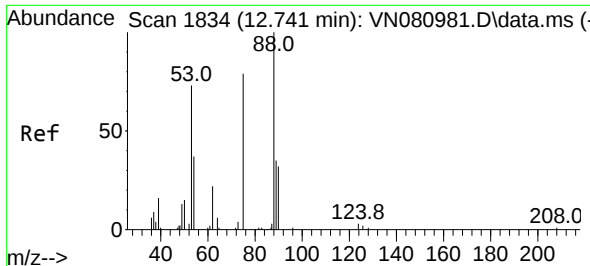
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#76
1,3,5-Trimethylbenzene
Concen: 19.383 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

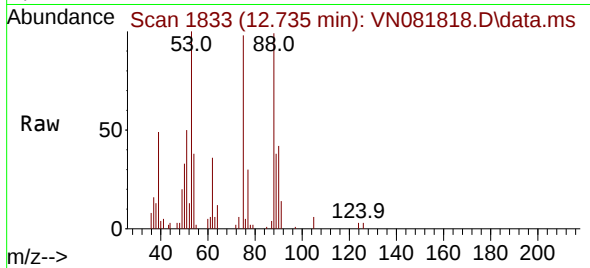
Tgt Ion:105 Resp: 163958
Ion Ratio Lower Upper
105 100
120 47.9 0.0 95.8





#77
t-1,4-Dichloro-2-butene
Concen: 20.465 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

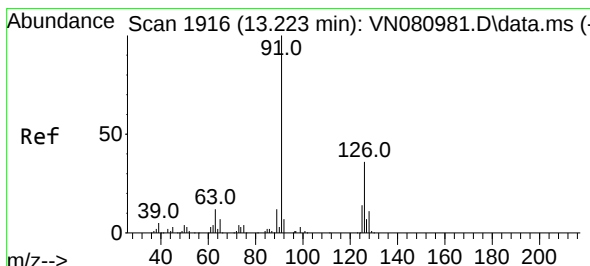
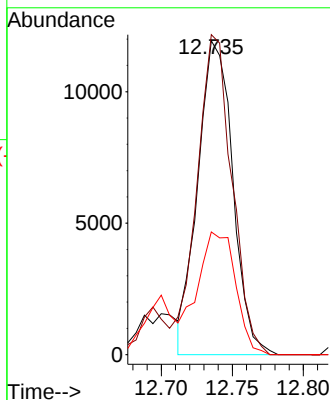
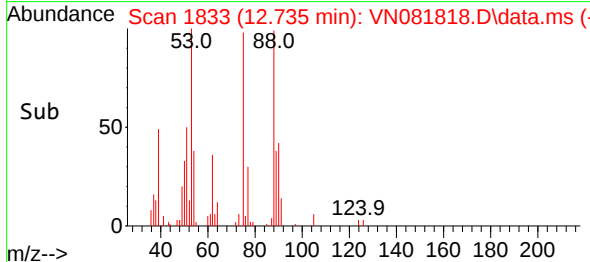
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 20420
Ion Ratio Lower Upper
75 100
53 101.9 45.9 137.7
89 39.1 25.9 77.7

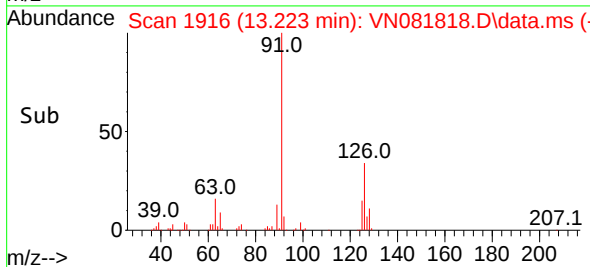
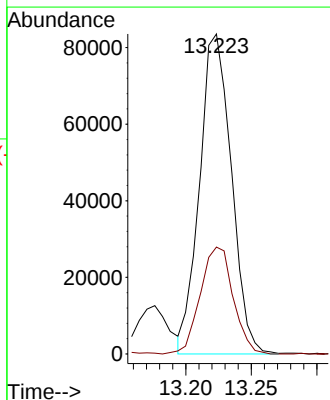
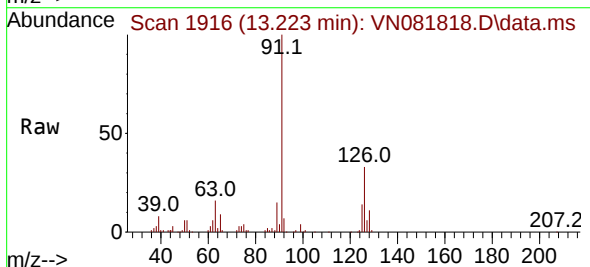
Manual Integrations
APPROVED

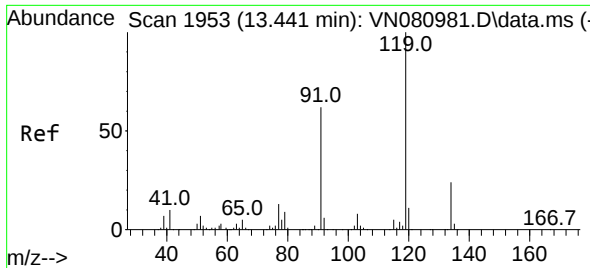
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#78
4-Chlorotoluene
Concen: 20.016 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

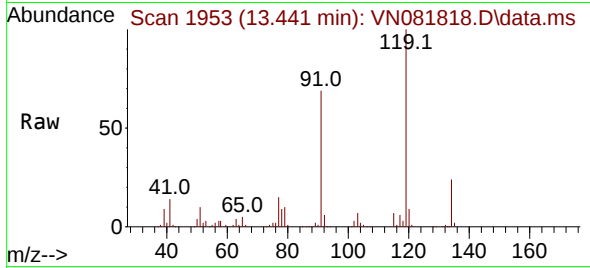
Tgt Ion: 91 Resp: 141092
Ion Ratio Lower Upper
91 100
126 34.4 0.0 62.8





#79
tert-butylbenzene
Concen: 18.339 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

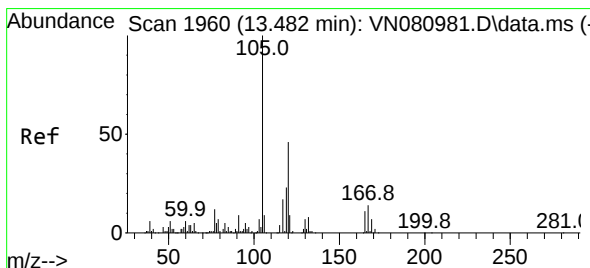
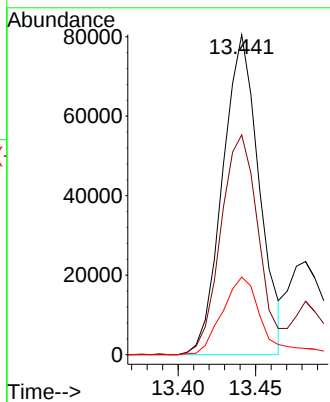
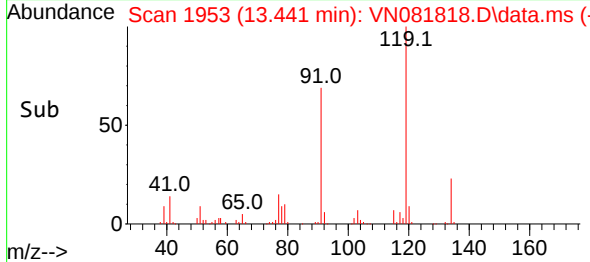
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



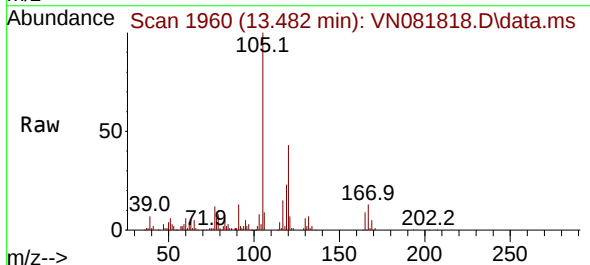
Tgt Ion:119 Resp: 131968
Ion Ratio Lower Upper
119 100
91 72.3 0.0 138.8
134 26.6 0.0 48.6

Manual Integrations
APPROVED

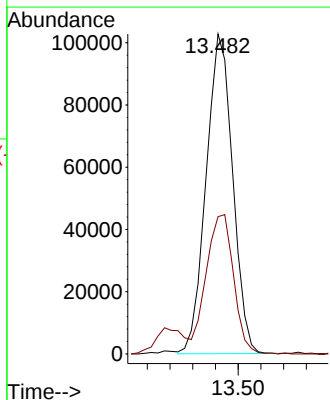
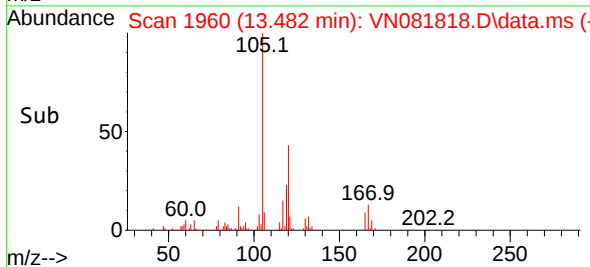
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

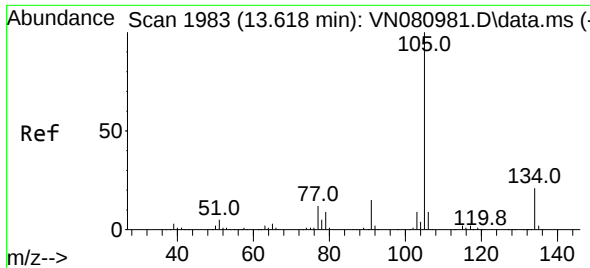


#80
1,2,4-Trimethylbenzene
Concen: 19.772 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52



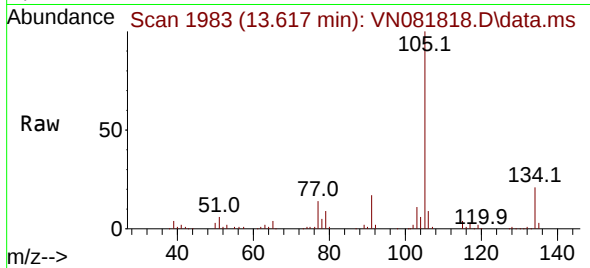
Tgt Ion:105 Resp: 166791
Ion Ratio Lower Upper
105 100
120 44.7 0.0 86.8





#81
 sec-Butylbenzene
 Concen: 18.330 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN081818.D
 Acq: 19 Apr 2024 18:52

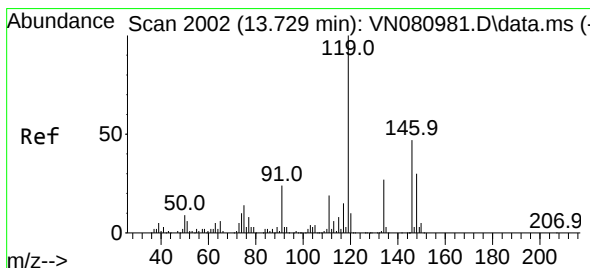
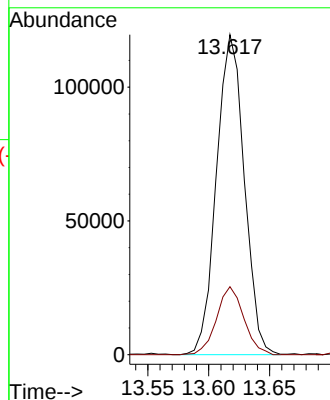
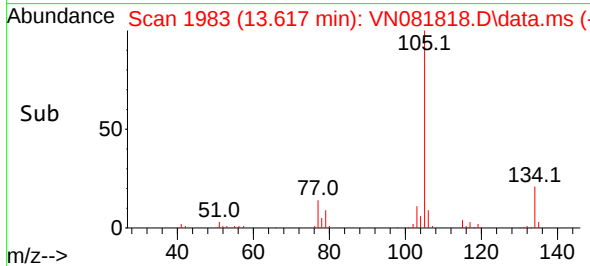
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



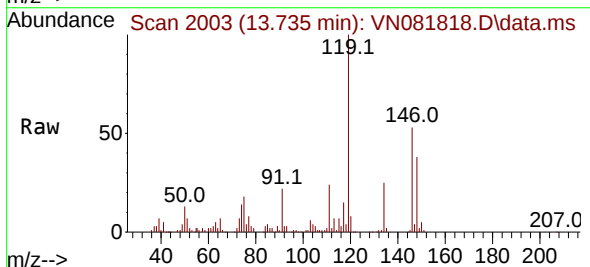
Tgt Ion:105 Resp: 19023
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 39.0

Manual Integrations
 APPROVED

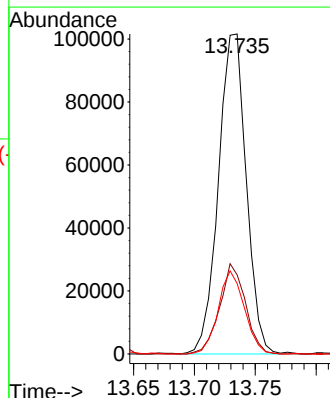
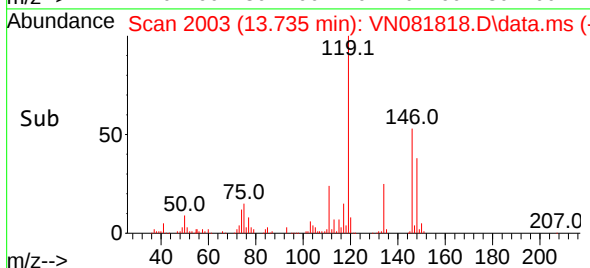
Reviewed By :John Carlone 04/22/2024
 Supervised By :Mahesh Dadoda 04/22/2024

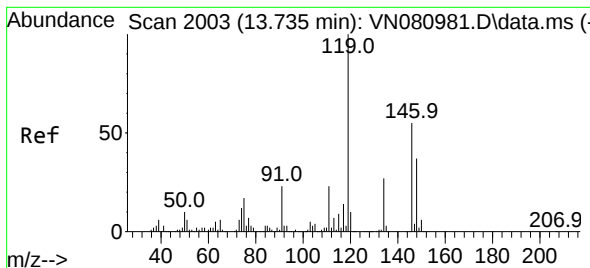


#82
 p-Isopropyltoluene
 Concen: 18.599 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: VN081818.D
 Acq: 19 Apr 2024 18:52



Tgt Ion:119 Resp: 161886
 Ion Ratio Lower Upper
 119 100
 134 26.1 0.0 49.2
 91 24.4 0.0 48.8





#83

1,3-Dichlorobenzene

Concen: 20.114 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN081818.D

Acq: 19 Apr 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

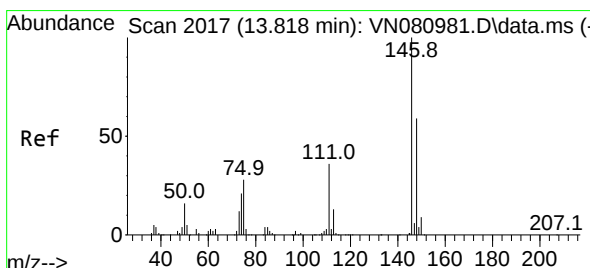
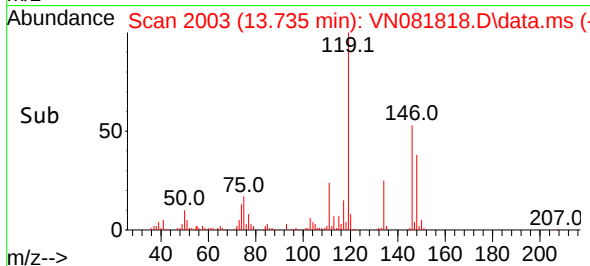
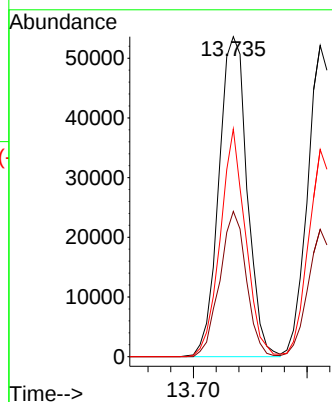
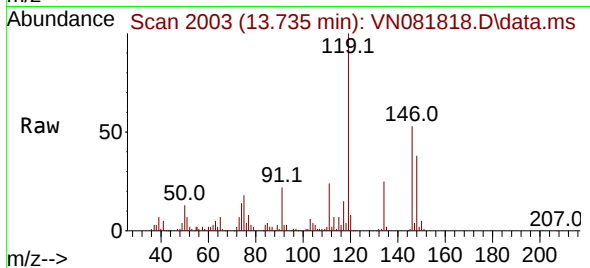
Tgt Ion:	146	Resp:	9282
Ion Ratio	Lower	Upper	
146	100		
111	42.6	22.4	67.0
148	63.5	32.1	96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#84

1,4-Dichlorobenzene

Concen: 20.180 ug/l

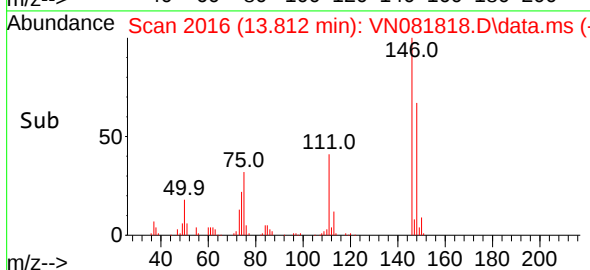
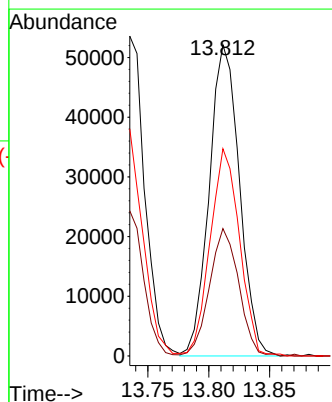
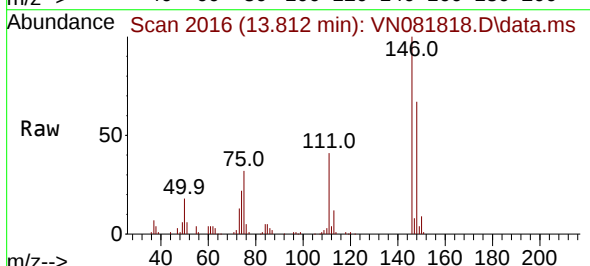
RT: 13.812 min Scan# 2016

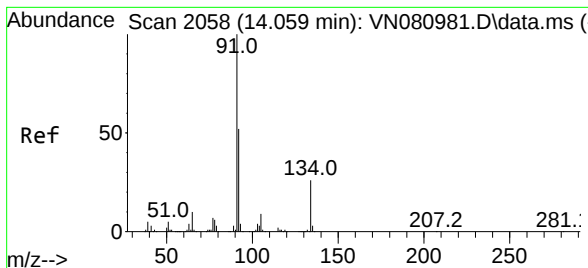
Delta R.T. 0.000 min

Lab File: VN081818.D

Acq: 19 Apr 2024 18:52

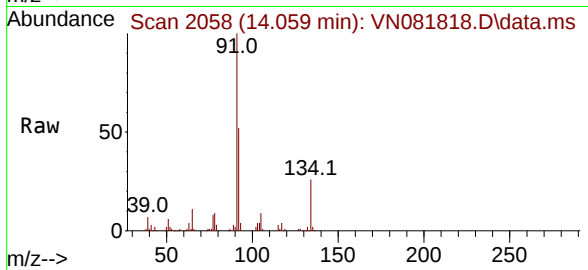
Tgt Ion:	146	Resp:	90150
Ion Ratio	Lower	Upper	
146	100		
111	39.3	21.3	63.9
148	64.7	31.9	95.5





#85
n-Butylbenzene
Concen: 17.884 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

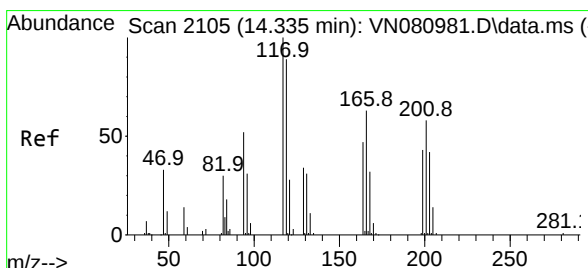
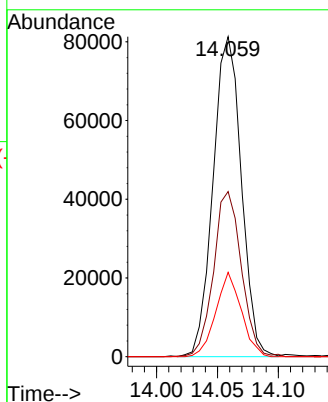
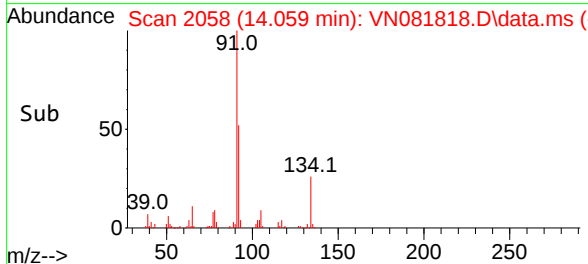
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 91 Resp: 131118
Ion Ratio Lower Upper
91 100
92 50.6 0.0 105.0
134 23.7 0.0 51.8

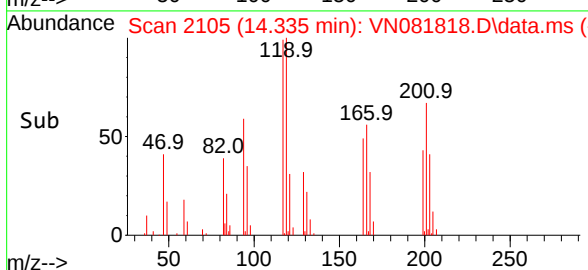
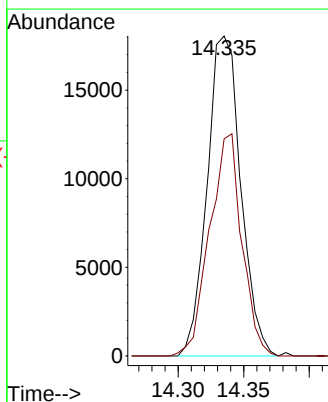
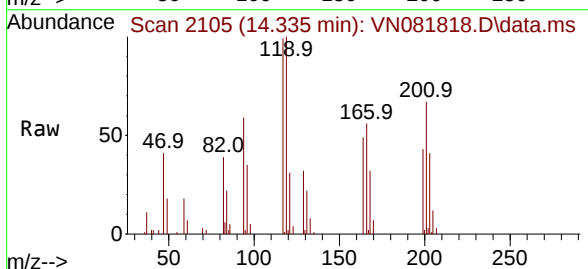
Manual Integrations
APPROVED

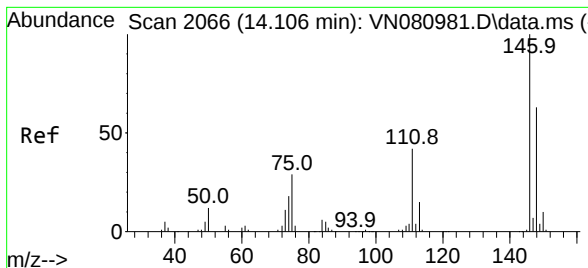
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#86
Hexachloroethane
Concen: 19.385 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion:117 Resp: 32234
Ion Ratio Lower Upper
117 100
201 66.3 38.0 114.0





#87

1,2-Dichlorobenzene

Concen: 20.440 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN081818.D

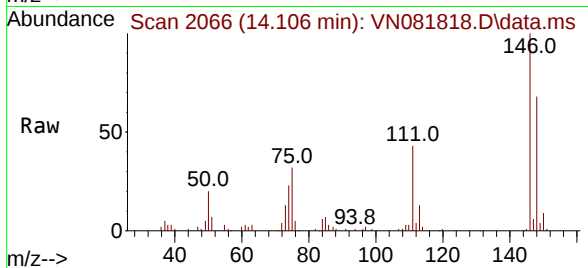
Acq: 19 Apr 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



Tgt Ion:146 Resp: 8978

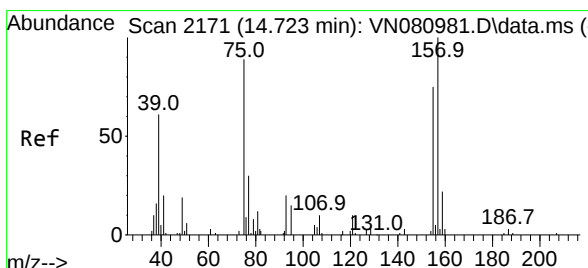
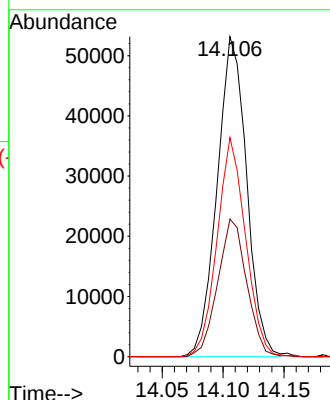
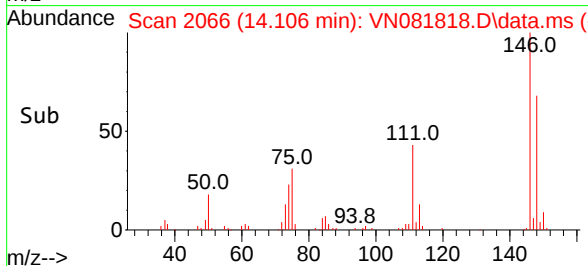
Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.6	67.8
148	66.1	31.3	93.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#88

1,2-Dibromo-3-Chloropropane

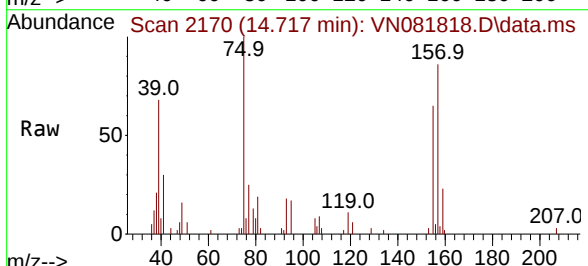
Concen: 23.728 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.006 min

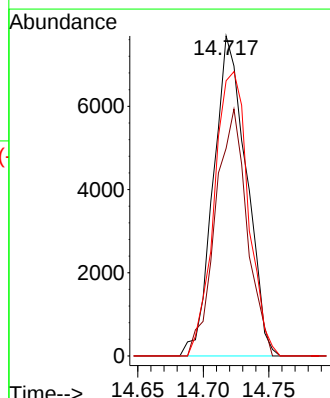
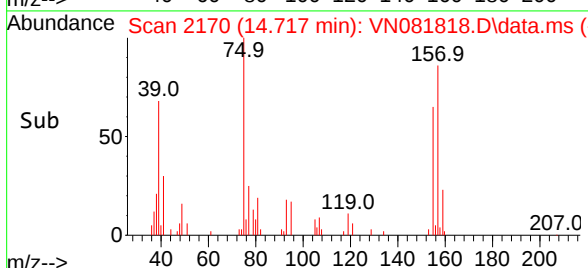
Lab File: VN081818.D

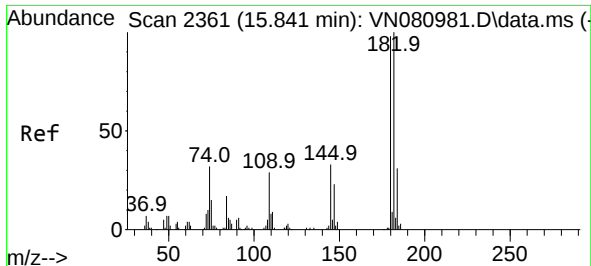
Acq: 19 Apr 2024 18:52



Tgt Ion: 75 Resp: 13466

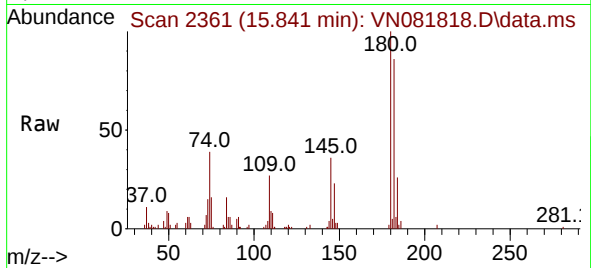
Ion	Ratio	Lower	Upper
75	100		
155	74.1	61.7	92.5
157	91.8	83.6	125.4





#89
1,2,4-Trichlorobenzene
Concen: 20.644 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

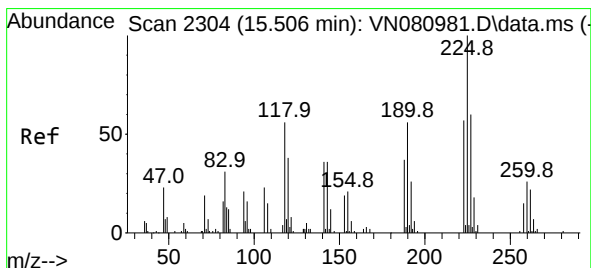
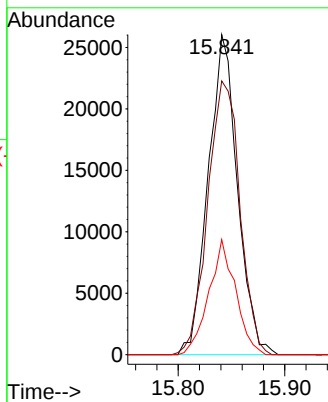
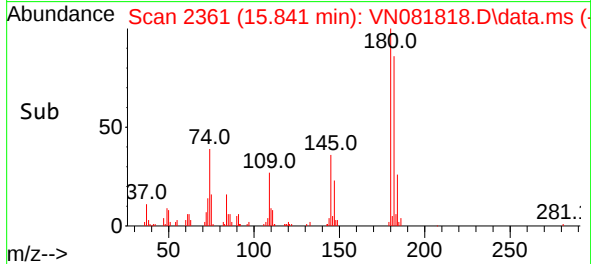
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:180 Resp: 49700
Ion Ratio Lower Upper
180 100
182 93.8 76.4 114.6
145 33.0 28.4 42.6

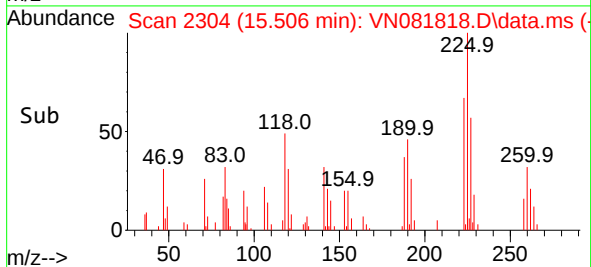
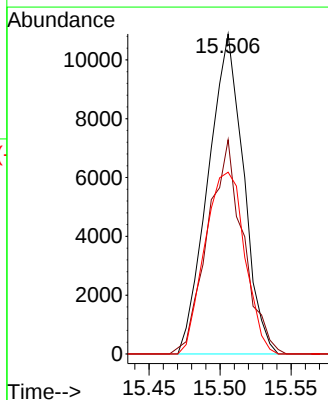
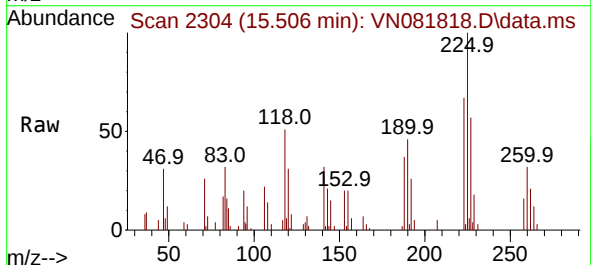
Manual Integrations
APPROVED

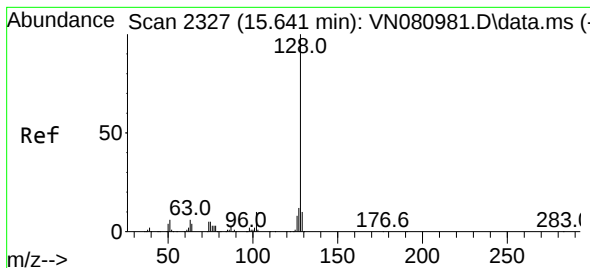
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#90
Hexachlorobutadiene
Concen: 19.528 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VN081818.D
Acq: 19 Apr 2024 18:52

Tgt Ion:225 Resp: 18842
Ion Ratio Lower Upper
225 100
223 67.4 0.0 126.6
227 64.3 0.0 126.6





#91

Naphthalene

Concen: 19.287 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN081818.D

Acq: 19 Apr 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

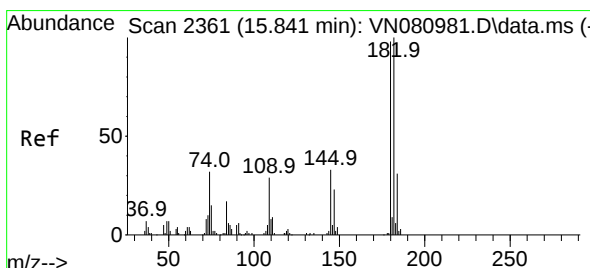
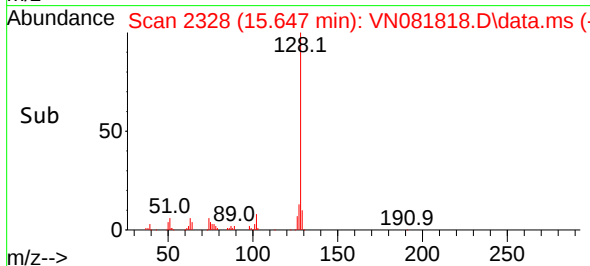
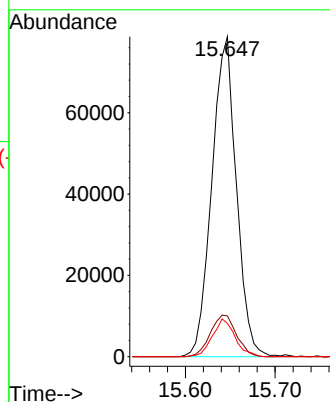
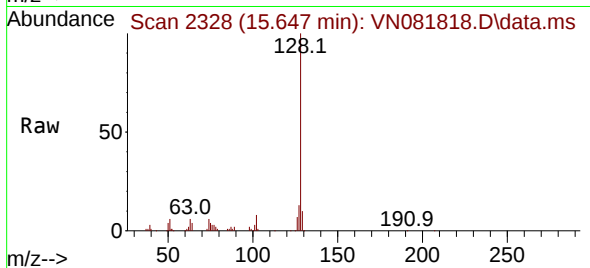
Tgt Ion:128	Resp: 149300
Ion Ratio	Lower Upper
128 100	
127 13.8	10.6 16.0
129 10.9	8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#92

1,2,3-Trichlorobenzene

Concen: 20.644 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.006 min

Lab File: VN081818.D

Acq: 19 Apr 2024 18:52

Tgt Ion:180	Resp: 49706
Ion Ratio	Lower Upper
180 100	
182 93.8	0.0 191.0
145 33.0	0.0 71.0

