

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
 Data File : VN081804.D
 Acq On : 19 Apr 2024 12:50
 Operator : JC\MD
 Sample : VN0419WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Apr 19 23:35:34 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	17538	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	115581	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.871	117	150502	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	66609	30.916	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.067%	
60) 4-Bromofluorobenzene	12.847	95	95833	32.388	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 107.967%	
63) Toluene-d8	10.565	98	182587	30.245	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	34237	13.971	ug/l	96
3) Chloromethane	2.360	50	50091	23.560	ug/l	99
4) Vinyl Chloride	2.518	62	58347	26.688	ug/l	100
5) Bromomethane	2.959	94	44316	23.935	ug/l	91
6) Chloroethane	3.130	64	43899	25.655	ug/l	96
7) Trichlorofluoromethane	3.495	101	64480	17.964	ug/l	88
8) Diethyl Ether	3.959	74	24763	18.497	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.383	101	37915m	15.397	ug/l	
10) 1,1-Dichloroethene	4.336	96	34980	15.489	ug/l	98
11) Methyl Iodide	4.589	142	38142	14.913	ug/l	88
12) Methyl Acetate	5.018	43	40530	19.544	ug/l	# 77
13) Acrolein	4.177	56	33814m	123.807	ug/l	
14) Acrylonitrile	5.712	53	98967	95.874	ug/l	98
15) Acetone	4.430	58	21463m	94.536	ug/l	
16) Carbon Disulfide	4.706	76	93378	14.541	ug/l	97
17) Allyl chloride	5.012	41	46811m	17.134	ug/l	
18) Methylene Chloride	5.283	84	45215	17.387	ug/l	96
19) trans-1,2-Dichloroethene	5.783	96	39928	16.122	ug/l	85
20) Diisopropyl ether	6.671	45	129720	19.944	ug/l	95
21) 1,1-Dichloroethane	6.565	63	77196	17.801	ug/l	95
22) cis-1,2-Dichloroethene	7.483	96	53423	17.863	ug/l	99
23) tert-Butyl Alcohol	5.512	59	37311	101.819	ug/l	# 100
24) Methyl tert-Butyl Ether	5.789	73	135708m	19.213	ug/l	
25) Chloroform	7.965	83	91157	18.475	ug/l	96
26) Cyclohexane	8.259	56	55629	16.001	ug/l	# 85
29) 1,1-Dichloropropene	8.365	75	55918	18.402	ug/l	98
30) 2-Butanone	7.477	43	129674	111.742	ug/l	# 97
31) 2,2-Dichloropropane	7.489	77	74637	19.720	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	79516	18.987	ug/l	100
33) Carbon Tetrachloride	8.359	117	65083	17.145	ug/l	99
34) Benzene	8.606	78	185414	18.942	ug/l	98
35) Methacrylonitrile	7.783	41	29149	22.176	ug/l	87
36) 1,2-Dichloroethane	8.671	62	70118	21.839	ug/l	98
37) Trichloroethene	9.353	130	46795	18.066	ug/l	97
38) Methylcyclohexane	9.600	83	59152	15.927	ug/l	94
39) 1,2-Dichloropropane	9.624	63	46014	20.150	ug/l	89
40) Dibromomethane	9.706	93	35616	19.579	ug/l	97
41) Bromodichloromethane	9.888	83	73243	19.745	ug/l	92
42) Vinyl Acetate	6.600	43	519740	107.510	ug/l	# 85

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Quant Time: Apr 19 23:35:34 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	7.565	43	55944	21.874	ug/l	98
44) Isopropyl Acetate	8.689	43	95794	22.354	ug/l	93
45) 1,4-Dioxane	9.700	88	21394	452.246	ug/l #	85
46) Methyl methacrylate	9.677	41	41661	21.618	ug/l	83
47) n-amyl Acetate	12.494	43	86330	22.451	ug/l	92
48) t-1,3-Dichloropropene	10.835	75	74370	21.044	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	77492	20.361	ug/l	94
50) 1,1,2-Trichloroethane	11.018	97	49459	20.306	ug/l	93
51) Ethyl methacrylate	10.877	69	70485	20.783	ug/l	89
52) 1,3-Dichloropropane	11.165	76	80335	20.122	ug/l	98
53) Dibromochloromethane	11.359	129	59037	20.290	ug/l	97
54) 1,2-Dibromoethane	11.471	107	49842	19.797	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	190613	114.450	ug/l	99
56) Bromoform	12.582	173	38425	20.653	ug/l	96
58) 4-Methyl-2-Pentanone	10.447	43	303234	117.161	ug/l	92
59) 2-Hexanone	11.194	43	234240	120.509	ug/l	90
61) Tetrachloroethene	11.106	164	49272	17.668	ug/l #	86
62) Toluene	10.630	91	210400	19.216	ug/l	98
64) Chlorobenzene	11.894	112	135348	19.494	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.965	131	50694	20.100	ug/l	99
66) Ethyl Benzene	11.965	91	218614	18.779	ug/l	96
67) m/p-Xylenes	12.071	106	180529	39.149	ug/l	93
68) o-Xylene	12.400	106	85583	19.550	ug/l	99
69) Styrene	12.412	104	140432	18.836	ug/l	97
70) Isopropylbenzene	12.700	105	213705	18.923	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	66660	22.596	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	62595m	22.918	ug/l	
73) Bromobenzene	12.982	156	55324	19.770	ug/l	94
74) n-propylbenzene	13.035	91	248376	18.373	ug/l	98
75) 2-Chlorotoluene	13.124	91	160930	19.982	ug/l	95
76) 1,3,5-Trimethylbenzene	13.176	105	179569	18.733	ug/l	96
77) t-1,4-Dichloro-2-butene	12.741	75	23644	20.904	ug/l	93
78) 4-Chlorotoluene	13.224	91	162675	20.365	ug/l	95
79) tert-butylbenzene	13.441	119	149163	18.291	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	183165	19.160	ug/l	99
81) sec-Butylbenzene	13.618	105	211761	18.005	ug/l	100
82) p-Isopropyltoluene	13.729	119	175775	17.821	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	101444	19.397	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	100967	19.944	ug/l	99
85) n-Butylbenzene	14.059	91	147540	17.758	ug/l	98
86) Hexachloroethane	14.335	117	34069	18.080	ug/l	89
87) 1,2-Dichlorobenzene	14.112	146	100548	20.198	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.718	75	13944	21.682	ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	54981	20.150	ug/l	95
90) Hexachlorobutadiene	15.500	225	20040	18.327	ug/l	96
91) Naphthalene	15.641	128	176841	20.159	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	54981	20.150	ug/l	95

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

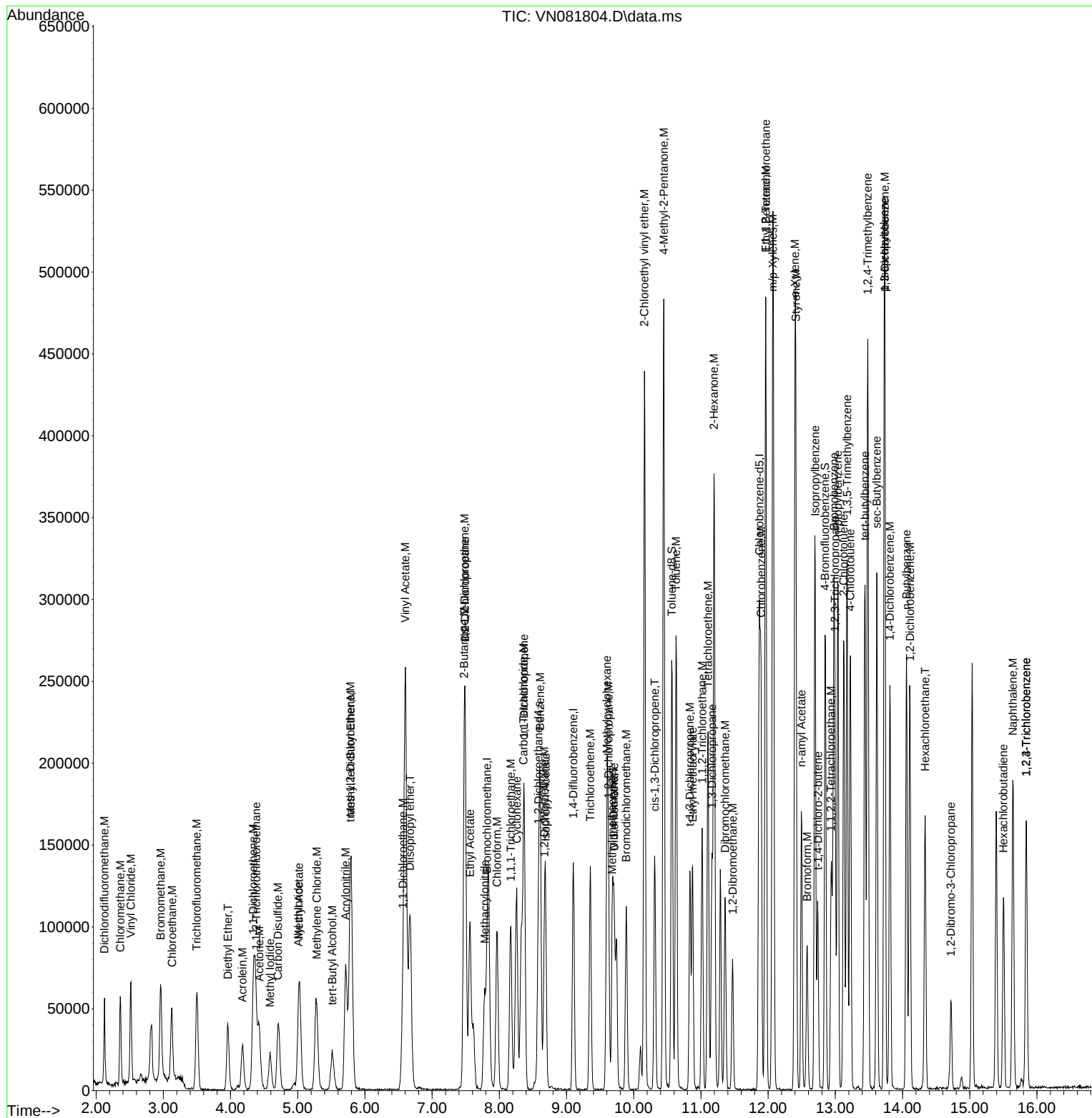
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
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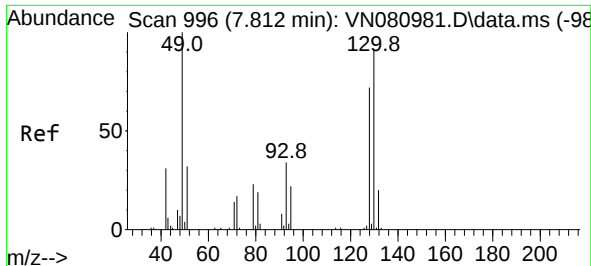
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Manual Integrations
APPROVED

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

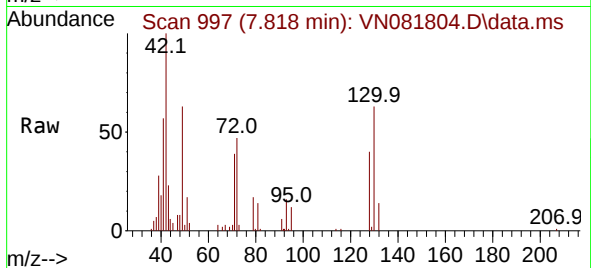
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

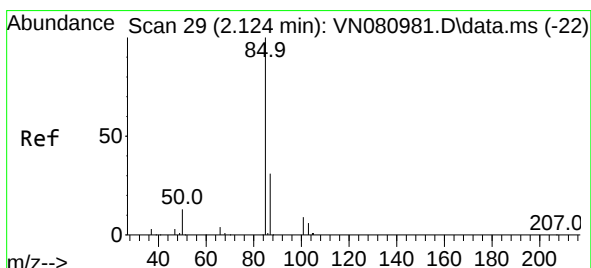
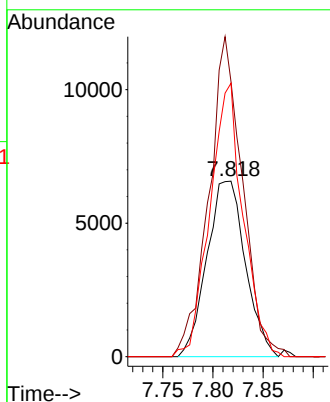
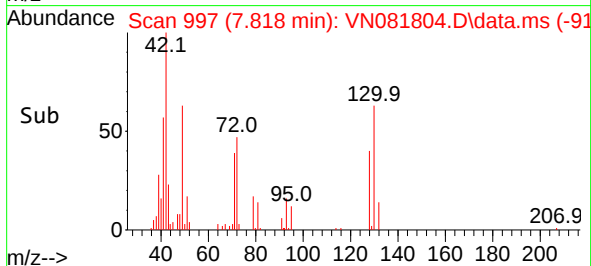
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion:128 Resp: 17538
Ion Ratio Lower Upper
128 100
49 159.0 0.0 403.7
130 133.9 0.0 323.3

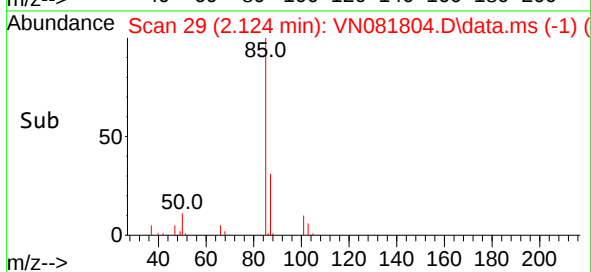
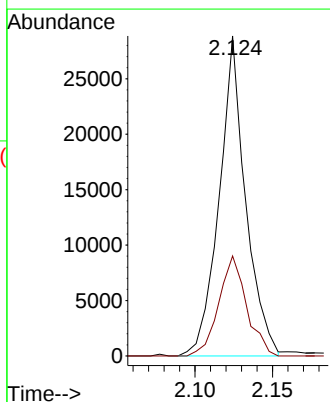
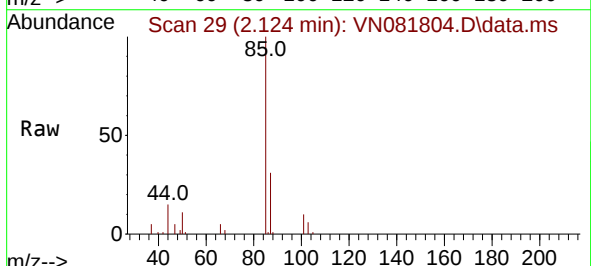
Manual Integrations
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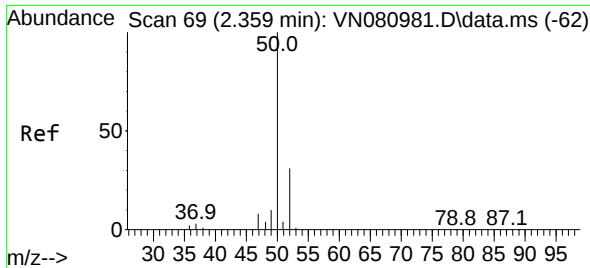
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#2
Dichlorodifluoromethane
Concen: 13.971 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

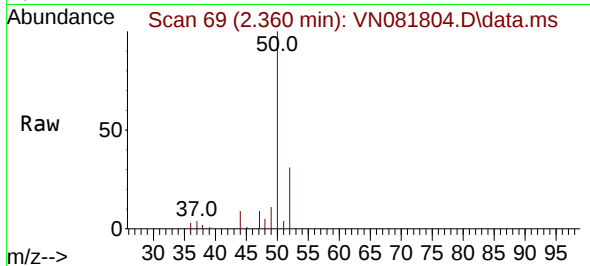
Tgt Ion: 85 Resp: 34237
Ion Ratio Lower Upper
85 100
87 31.2 16.8 50.3





#3
Chloromethane
Concen: 23.560 ug/l
RT: 2.360 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

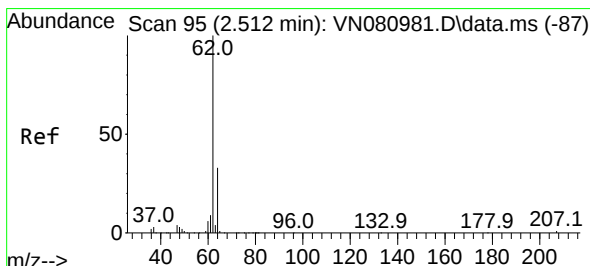
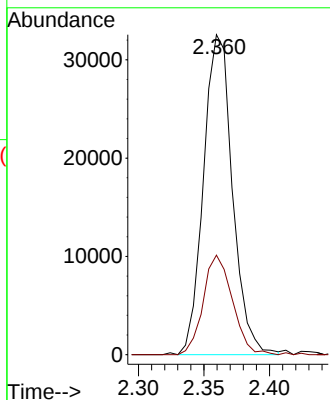
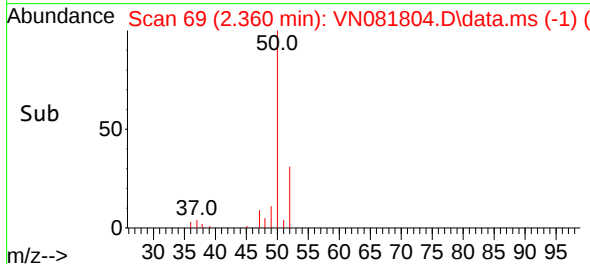
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ClientSampleId :
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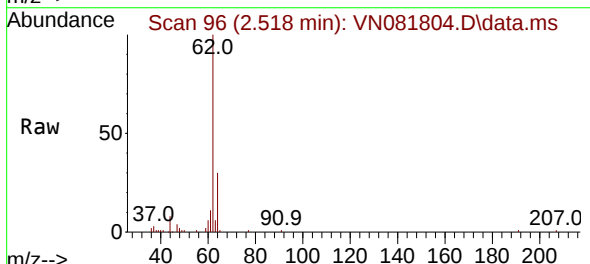
Tgt Ion: 50 Resp: 5009
Ion Ratio Lower Upper
50 100
52 31.1 25.4 38.0

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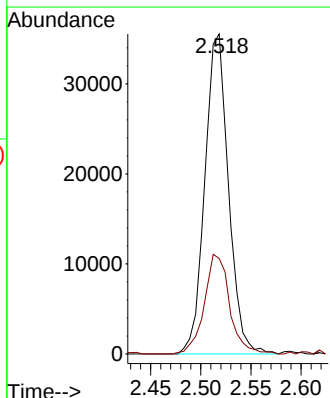
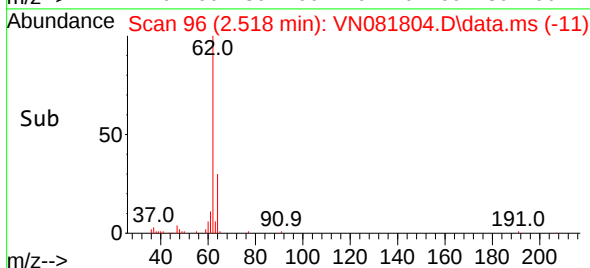
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

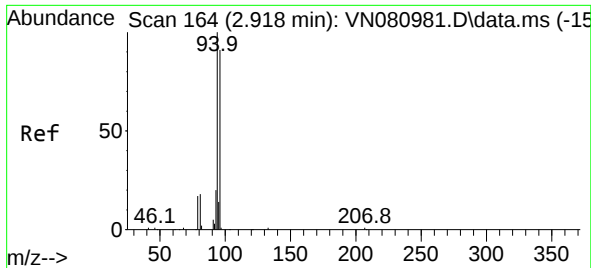


#4
Vinyl Chloride
Concen: 26.688 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50



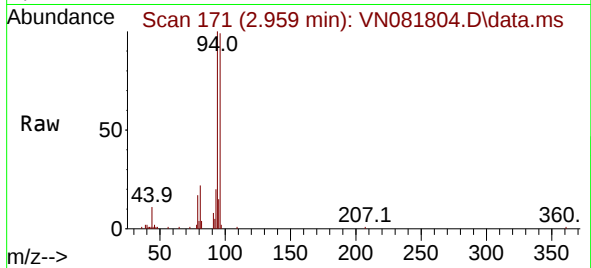
Tgt Ion: 62 Resp: 58347
Ion Ratio Lower Upper
62 100
64 29.9 24.1 36.1





#5
Bromomethane
Concen: 23.935 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

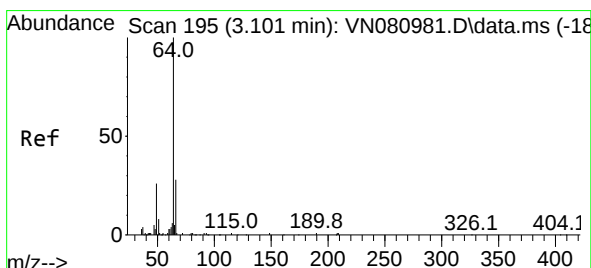
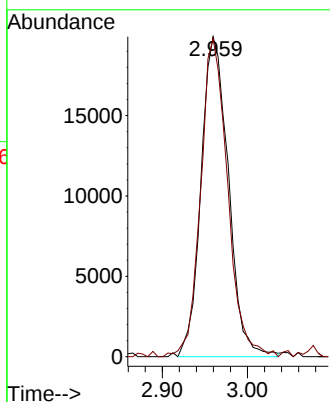
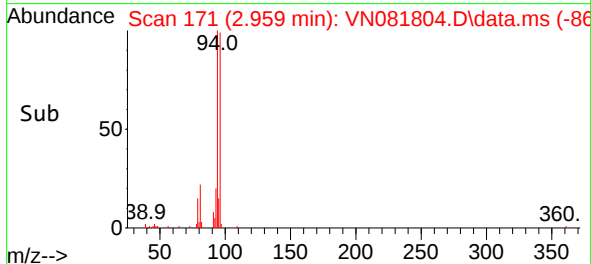
Instrument :
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ClientSampleId :
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Tgt Ion: 94 Resp: 44310
Ion Ratio Lower Upper
94 100
96 99.4 72.8 109.2

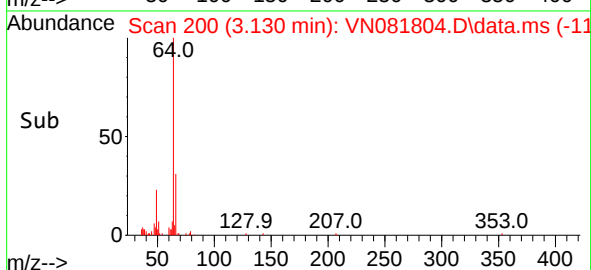
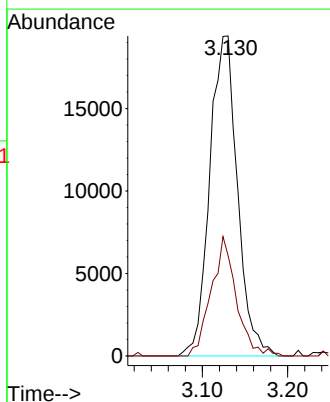
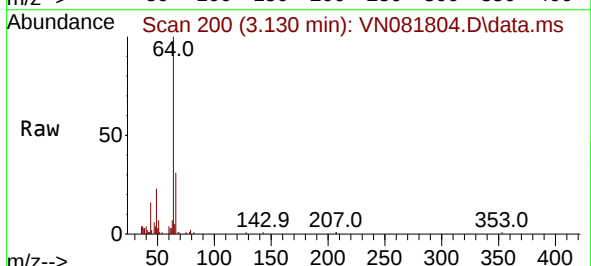
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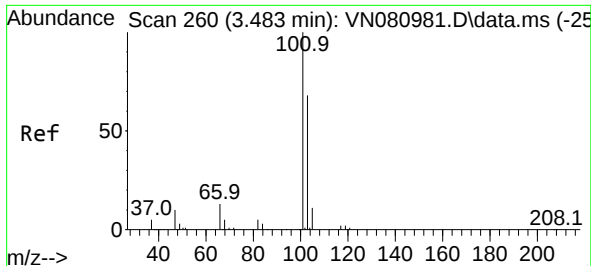
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#6
Chloroethane
Concen: 25.655 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion: 64 Resp: 43899
Ion Ratio Lower Upper
64 100
66 31.3 26.7 40.1





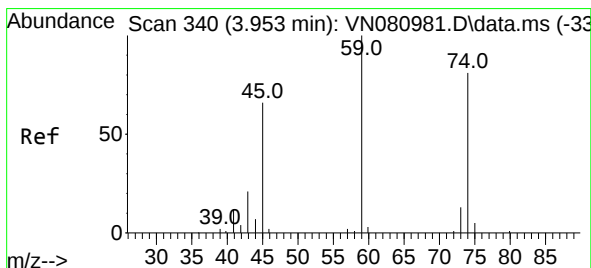
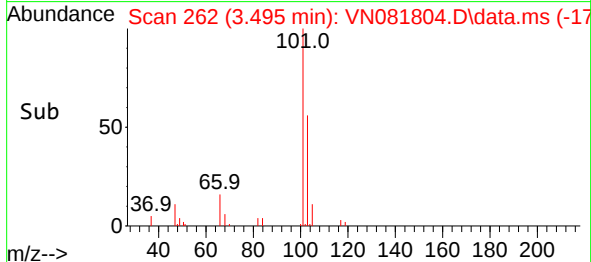
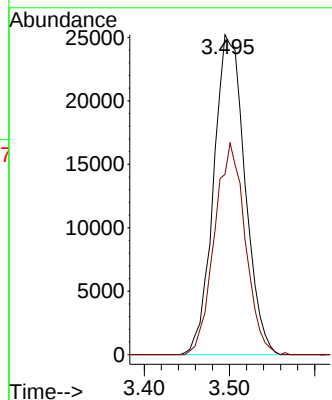
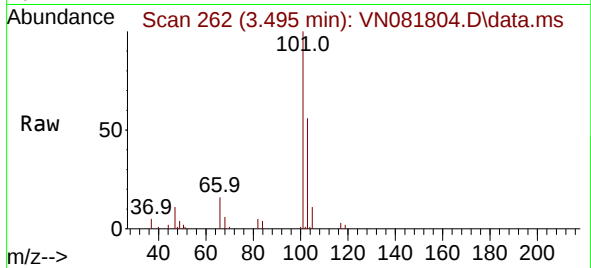
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Trichlorofluoromethane
Concen: 17.964 ug/l
RT: 3.495 min Scan# 260
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tgt Ion:101 Resp: 64480
Ion Ratio Lower Upper
101 100
103 56.3 53.0 79.4

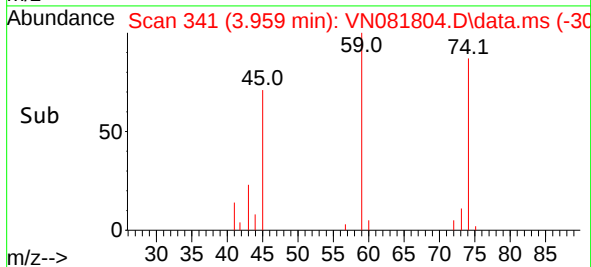
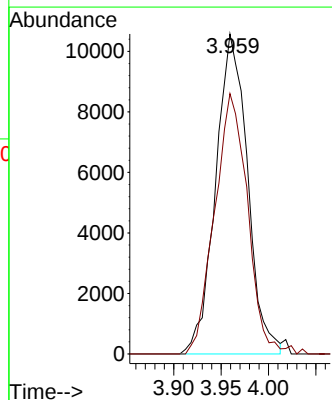
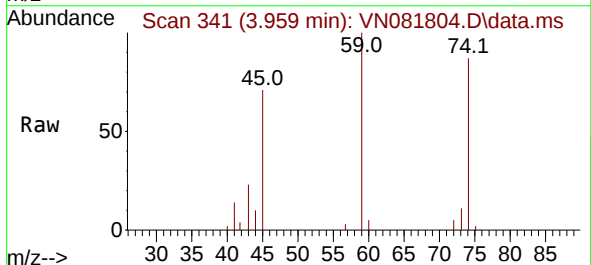
Manual Integrations
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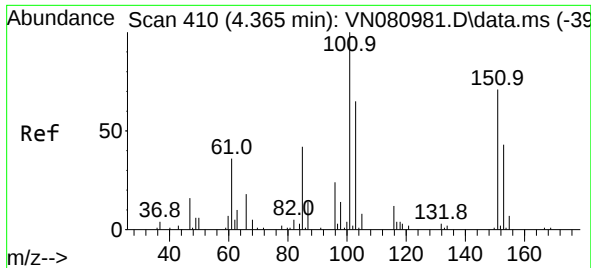
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#8
Diethyl Ether
Concen: 18.497 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion: 74 Resp: 24763
Ion Ratio Lower Upper
74 100
45 83.4 16.4 147.4





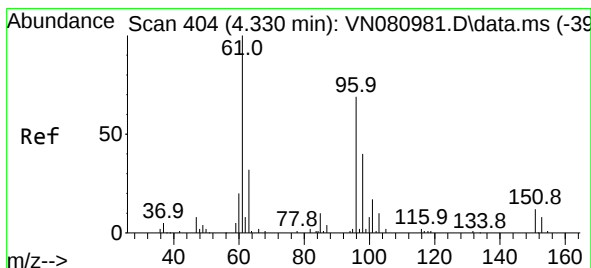
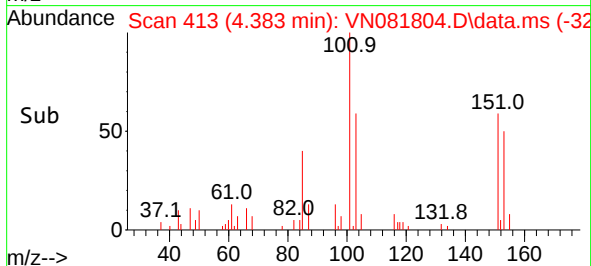
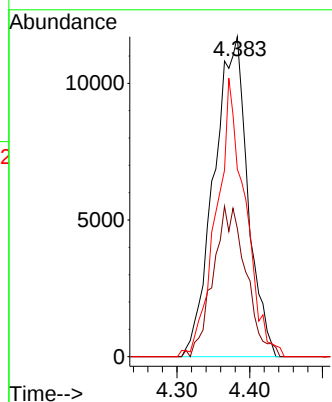
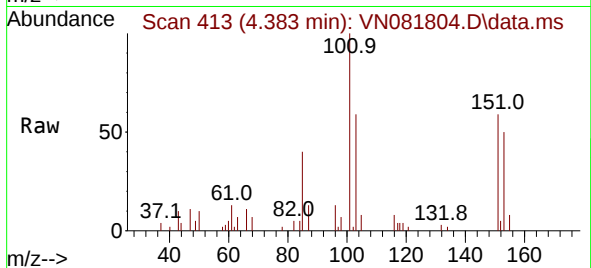
#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.397 ug/l m
RT: 4.383 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tgt Ion:101 Resp: 3791
Ion Ratio Lower Upper
101 100
85 23.5 0.0 90.6
151 70.7 0.0 157.6

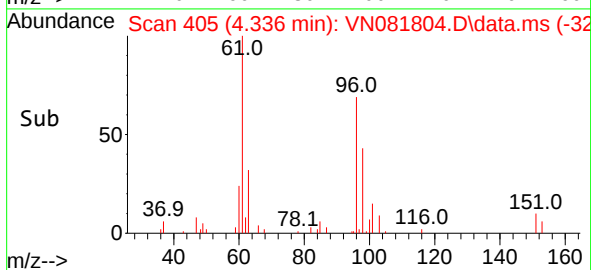
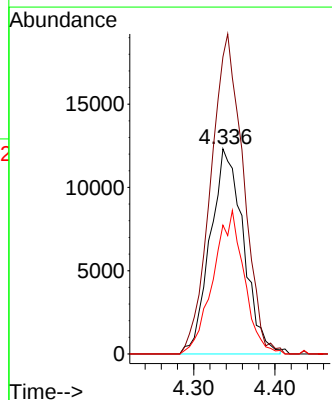
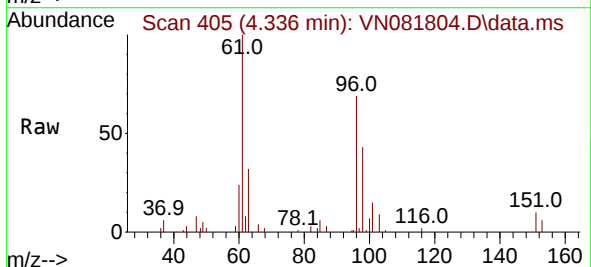
Manual Integrations
APPROVED

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



#10
1,1-Dichloroethene
Concen: 15.489 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

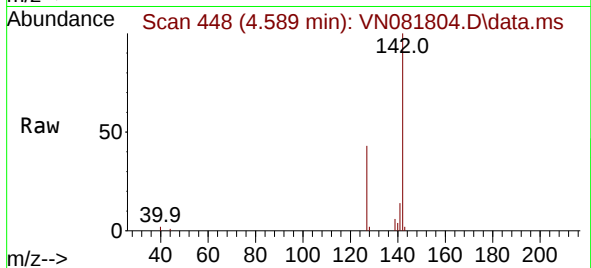
Tgt Ion: 96 Resp: 34980
Ion Ratio Lower Upper
96 100
61 144.8 117.6 176.4
98 62.8 48.4 72.6





#11
Methyl Iodide
Concen: 14.913 ug/l
RT: 4.589 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

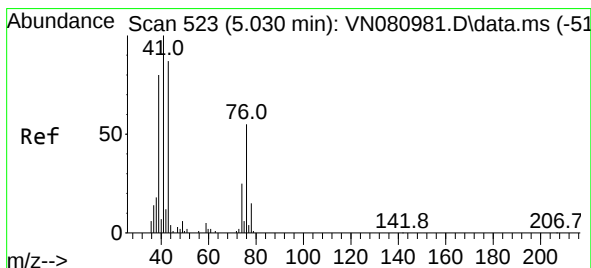
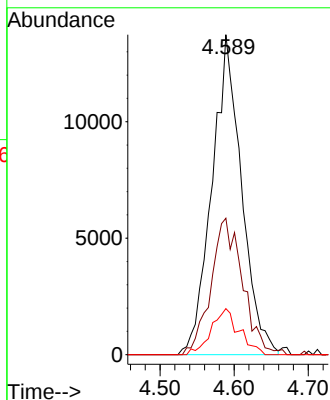
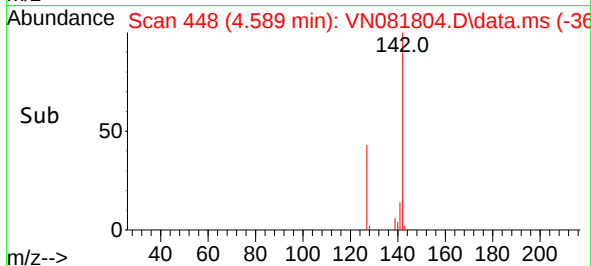
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion:142 Resp: 3814
Ion Ratio Lower Upper
142 100
127 42.2 26.3 78.9
141 14.5 8.3 24.9

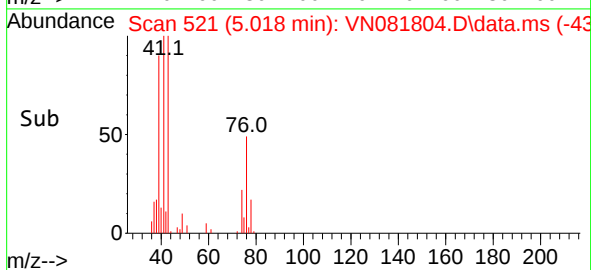
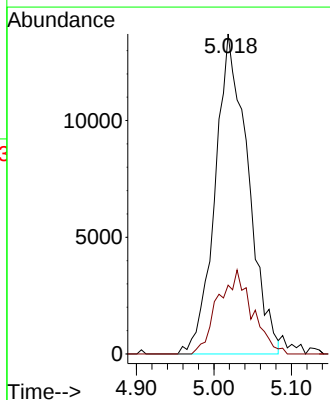
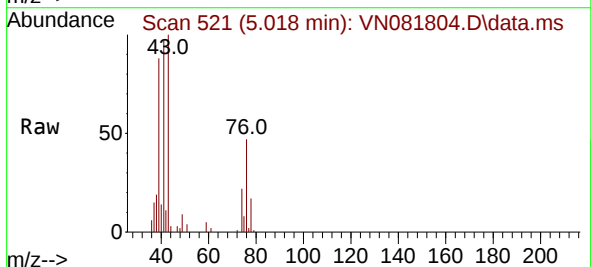
Manual Integrations
APPROVED

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



#12
Methyl Acetate
Concen: 19.544 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion: 43 Resp: 40530
Ion Ratio Lower Upper
43 100
74 21.4 27.7 41.5#





#13

Acrolein

Concen: 123.807 ug/l m

RT: 4.177 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN081804.D

Acq: 19 Apr 2024 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

Tgt Ion: 56 Resp: 33814

Ion Ratio Lower Upper

56 100

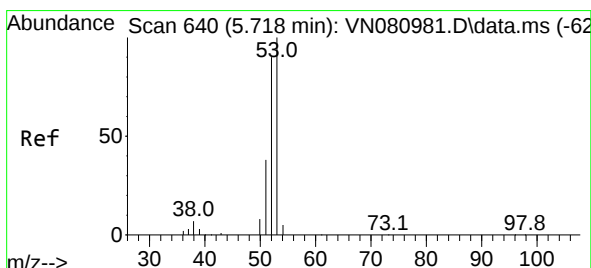
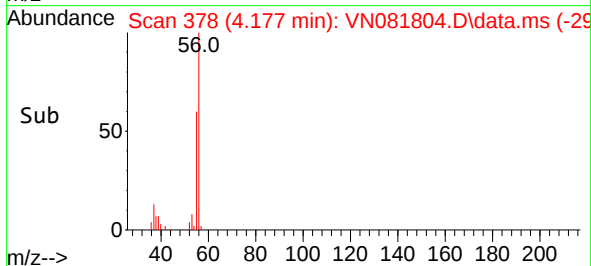
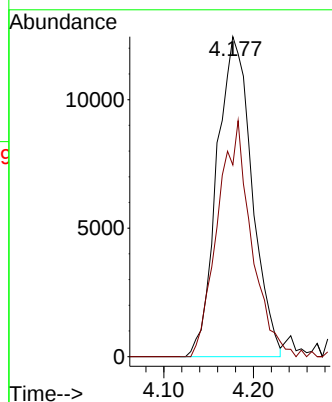
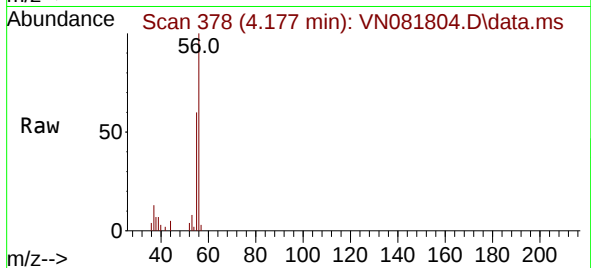
55 0.2 55.5 83.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#14

Acrylonitrile

Concen: 95.874 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.006 min

Lab File: VN081804.D

Acq: 19 Apr 2024 12:50

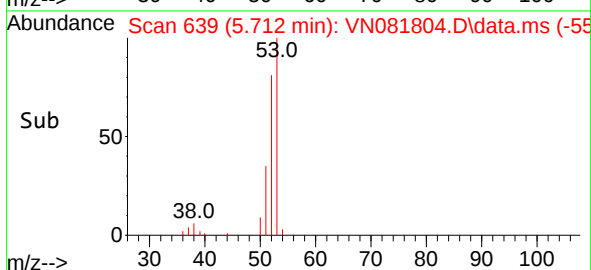
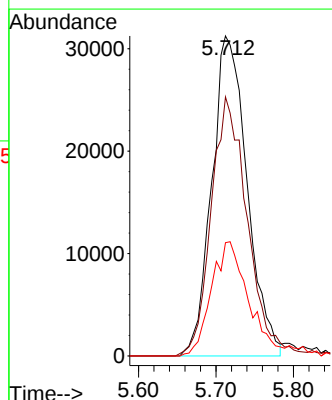
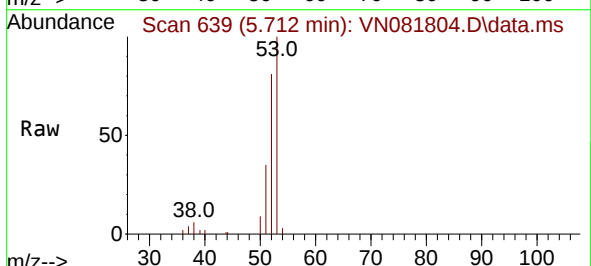
Tgt Ion: 53 Resp: 98967

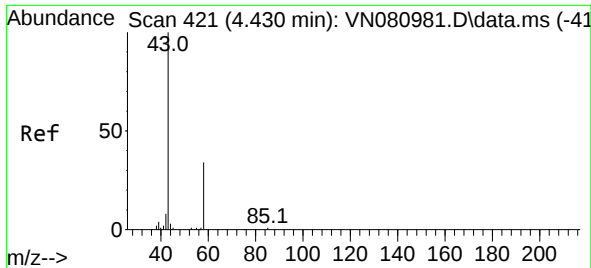
Ion Ratio Lower Upper

53 100

52 82.6 41.3 123.9

51 37.4 16.8 50.3





#15

Acetone

Concen: 94.536 ug/l m

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN081804.D

Acq: 19 Apr 2024 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

Tgt Ion: 58 Resp: 2146

Ion Ratio Lower Upper

58 100

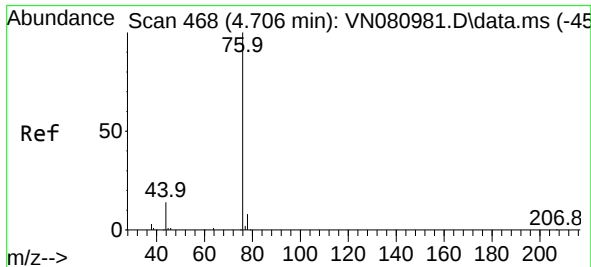
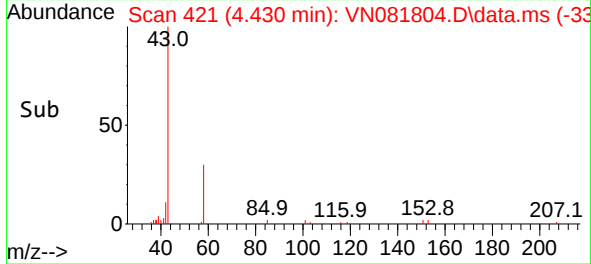
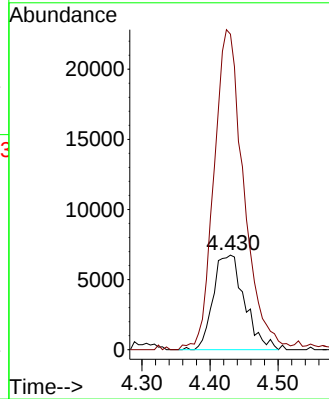
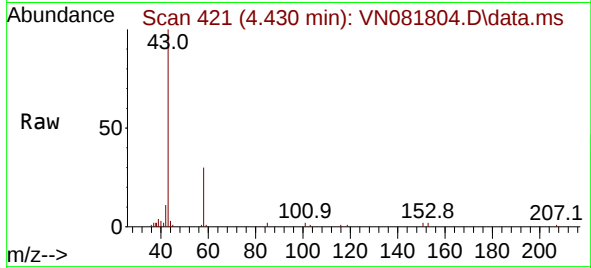
43 333.7 223.1 334.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#16

Carbon Disulfide

Concen: 14.541 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN081804.D

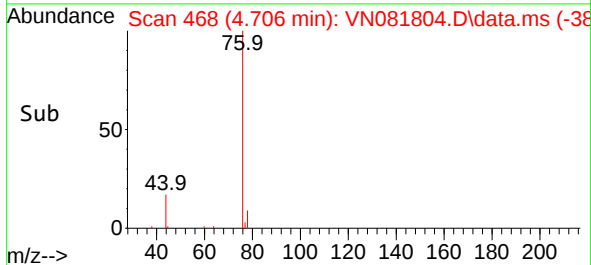
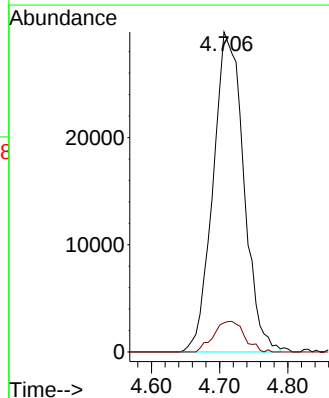
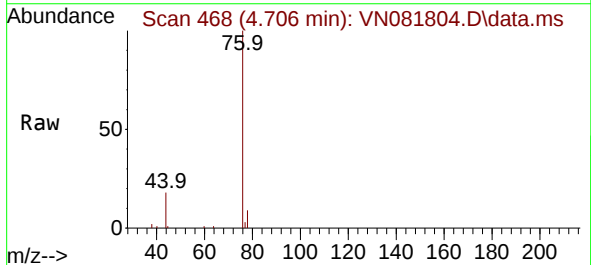
Acq: 19 Apr 2024 12:50

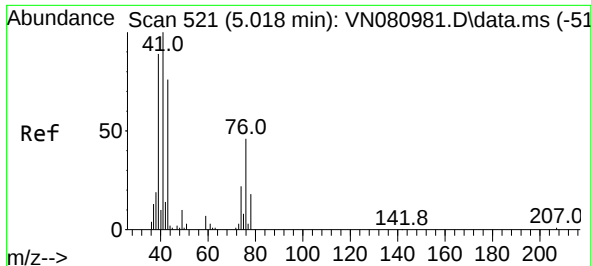
Tgt Ion: 76 Resp: 93378

Ion Ratio Lower Upper

76 100

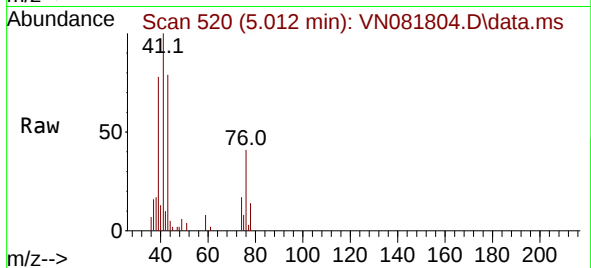
78 9.1 6.3 9.5





#17
 Allyl chloride
 Concen: 17.134 ug/l m
 RT: 5.012 min Scan# 51
 Delta R.T. -0.012 min
 Lab File: VN081804.D
 Acq: 19 Apr 2024 12:50

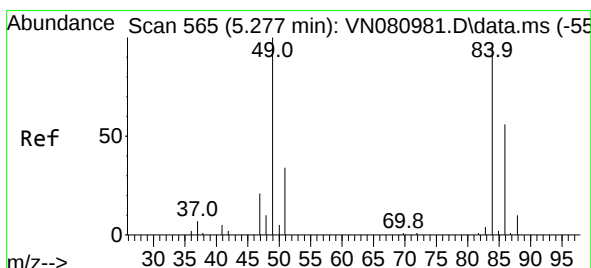
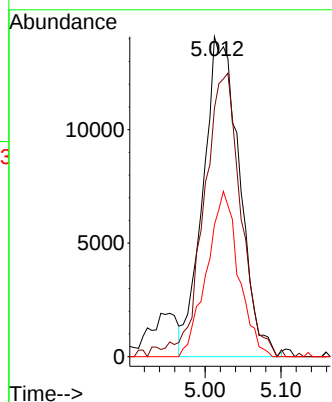
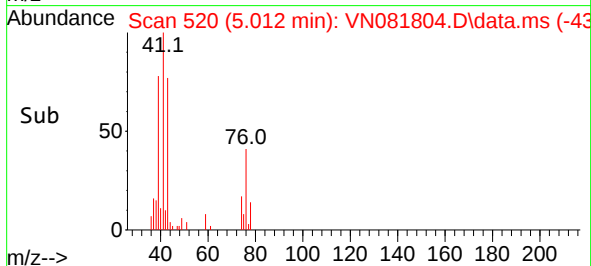
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD01



Tgt Ion: 41 Resp: 4681
 Ion Ratio Lower Upper
 41 100
 39 77.7 37.6 112.9
 76 41.2 27.8 83.4

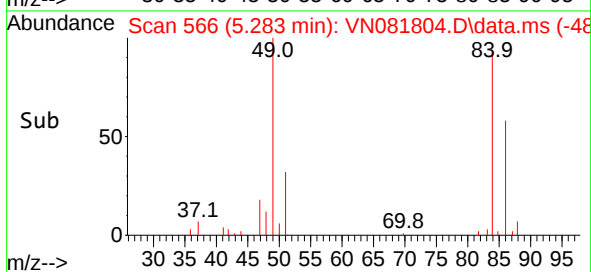
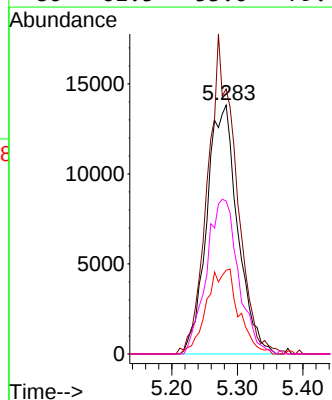
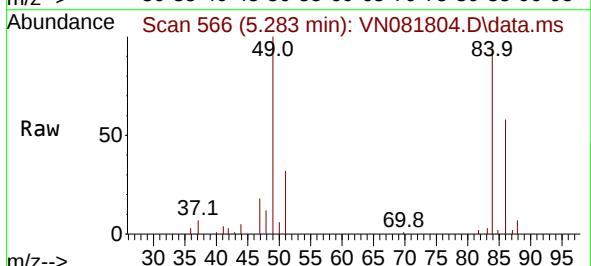
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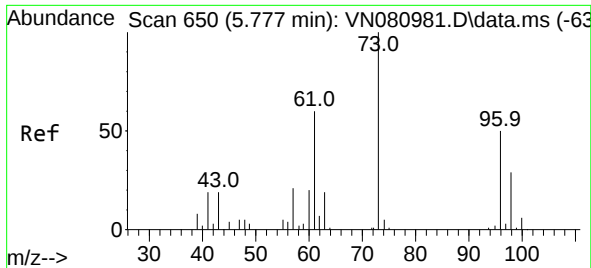
Reviewed By :John Carlone 04/22/2024
 Supervised By :Mahesh Dadoda 04/22/2024



#18
 Methylene Chloride
 Concen: 17.387 ug/l
 RT: 5.283 min Scan# 566
 Delta R.T. 0.000 min
 Lab File: VN081804.D
 Acq: 19 Apr 2024 12:50

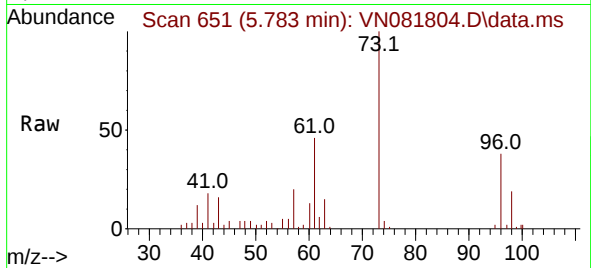
Tgt Ion: 84 Resp: 45215
 Ion Ratio Lower Upper
 84 100
 49 105.4 86.0 129.0
 51 33.6 30.0 45.0
 86 61.5 53.0 79.4





#19
trans-1,2-Dichloroethene
Concen: 16.122 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

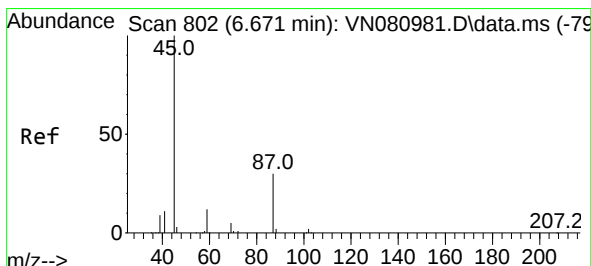
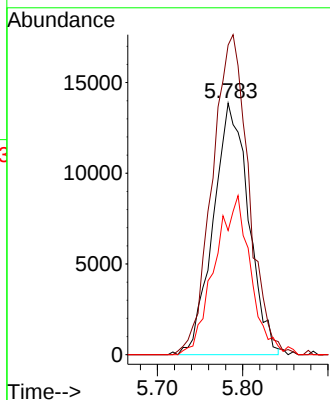
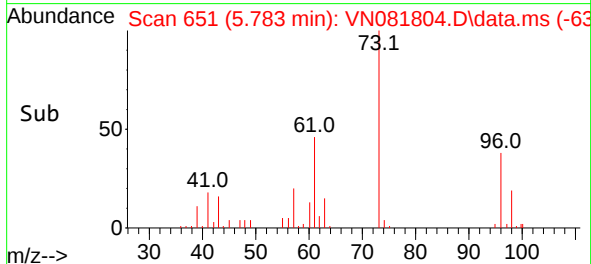
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion: 96 Resp: 39928
Ion Ratio Lower Upper
96 100
61 121.6 111.8 167.6
98 49.4 49.2 73.8

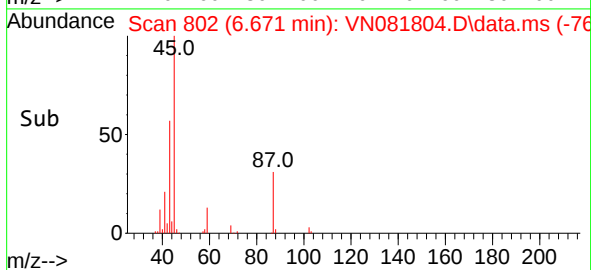
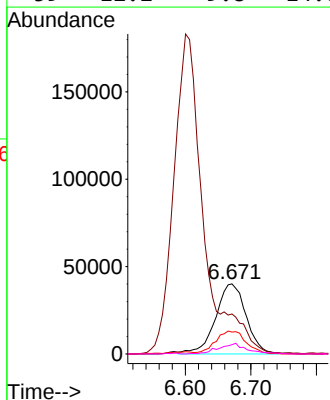
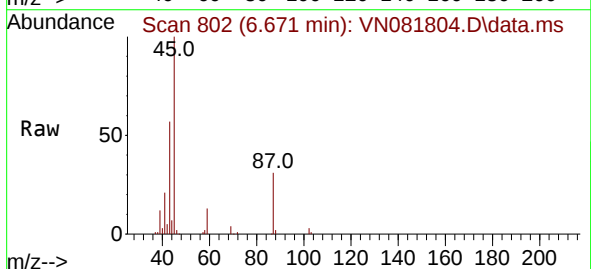
Manual Integrations
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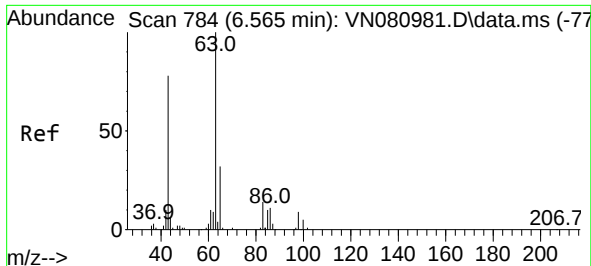
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#20
Diisopropyl ether
Concen: 19.944 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion: 45 Resp: 129720
Ion Ratio Lower Upper
45 100
43 55.5 40.4 60.6
87 30.8 23.8 35.8
59 12.2 9.8 14.6





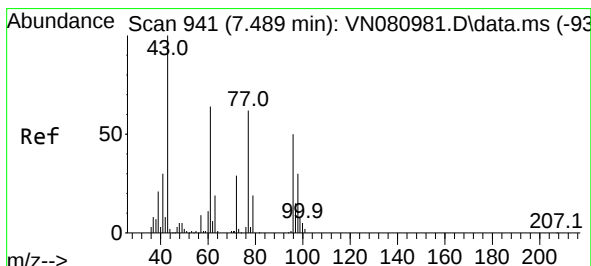
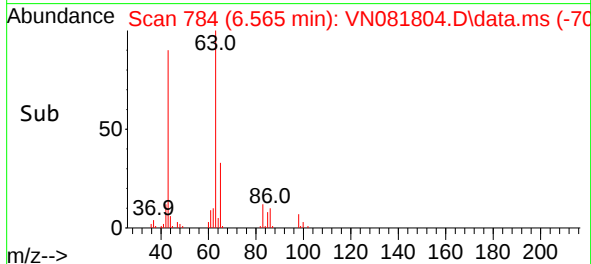
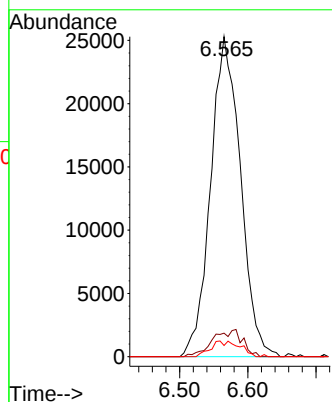
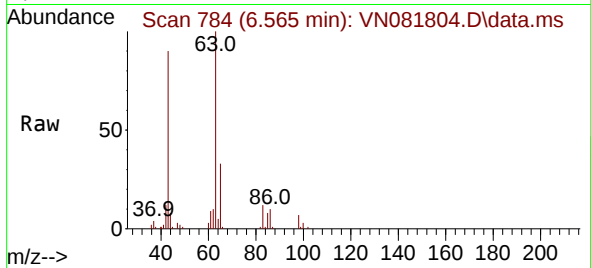
#21
1,1-Dichloroethane
Concen: 17.801 ug/l
RT: 6.565 min Scan# 77190
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tgt Ion: 63 Resp: 77190
Ion Ratio Lower Upper
63 100
98 7.4 4.1 12.3
100 3.5 3.0 9.0

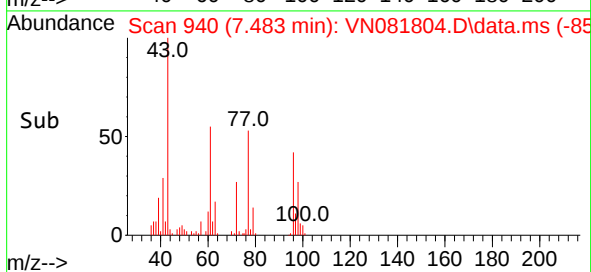
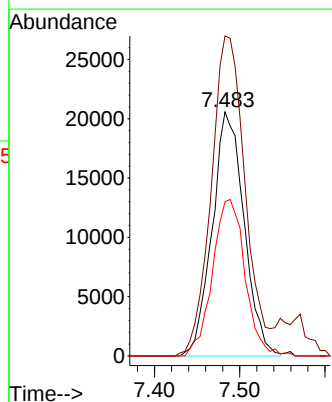
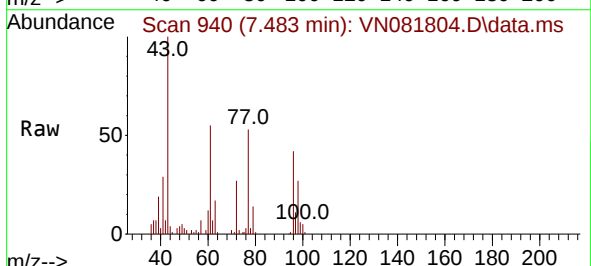
Manual Integrations
APPROVED

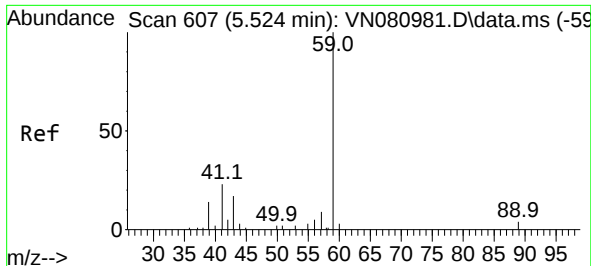
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#22
cis-1,2-Dichloroethene
Concen: 17.863 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

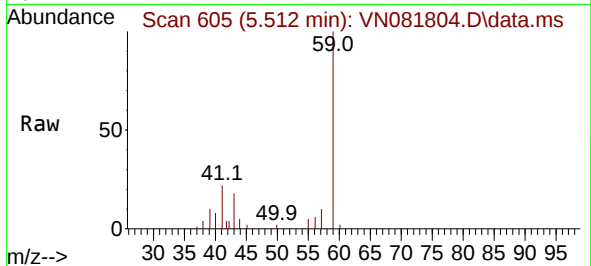
Tgt Ion: 96 Resp: 53423
Ion Ratio Lower Upper
96 100
61 139.3 113.5 170.3
98 65.0 52.0 78.0





#23
tert-Butyl Alcohol
Concen: 101.819 ug/l
RT: 5.512 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

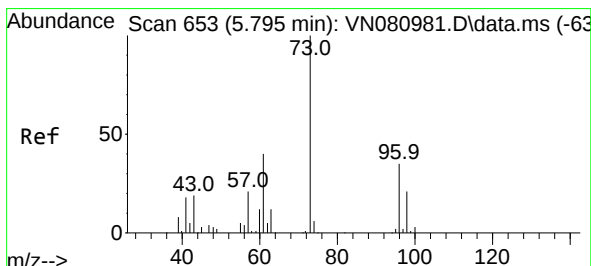
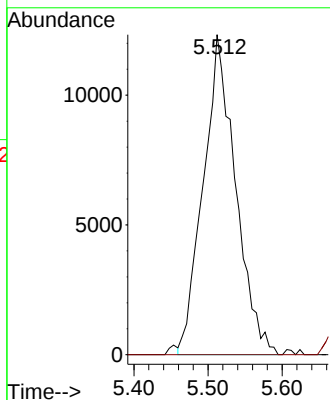
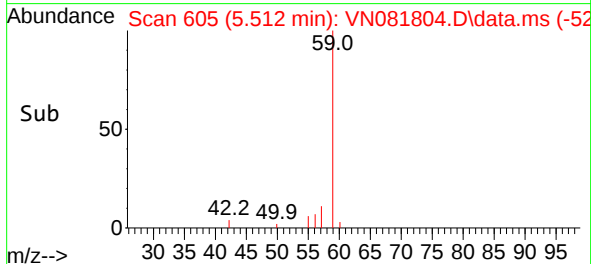
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion: 59 Resp: 3731
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

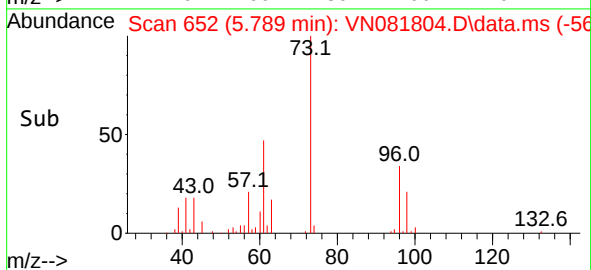
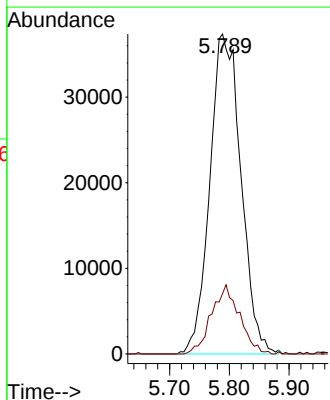
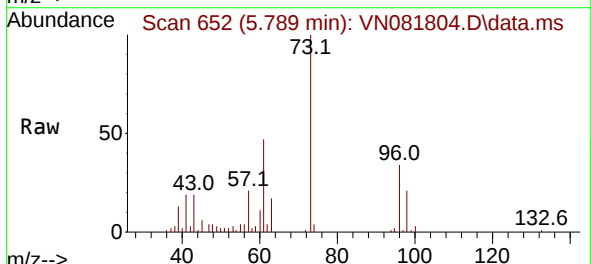
Manual Integrations
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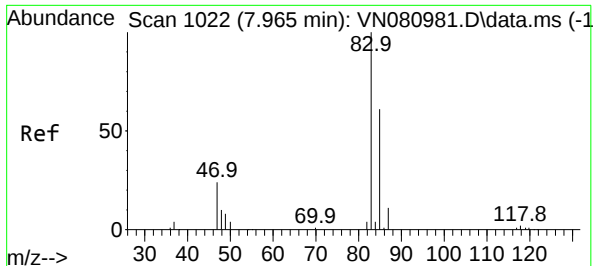
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#24
Methyl tert-Butyl Ether
Concen: 19.213 ug/l m
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion: 73 Resp: 135708
Ion Ratio Lower Upper
73 100
43 19.4 13.4 20.2





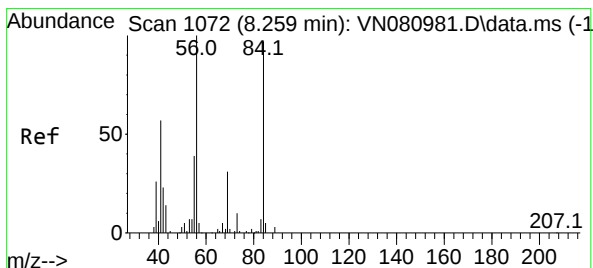
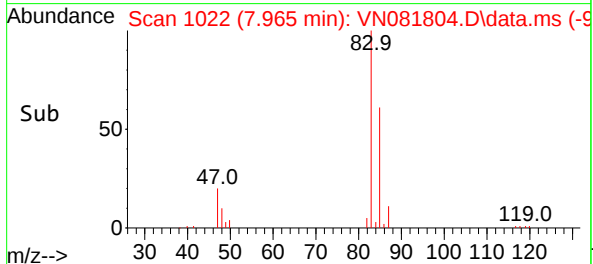
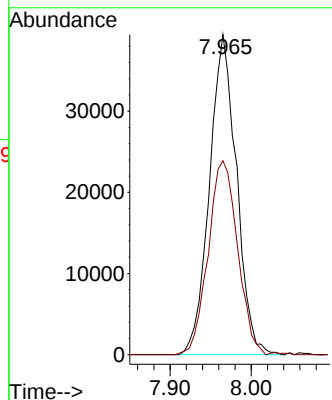
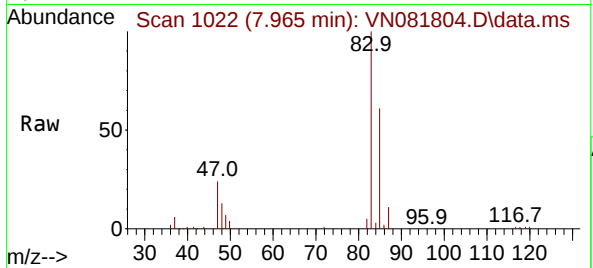
#25
Chloroform
Concen: 18.475 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tgt Ion: 83 Resp: 9115
Ion Ratio Lower Upper
83 100
85 60.2 50.9 76.3

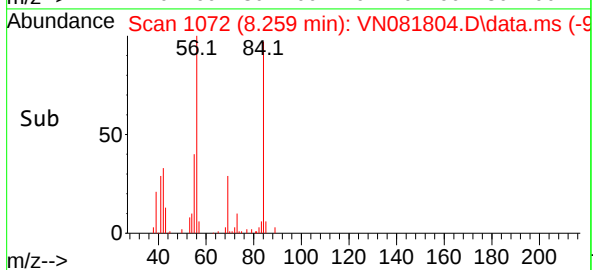
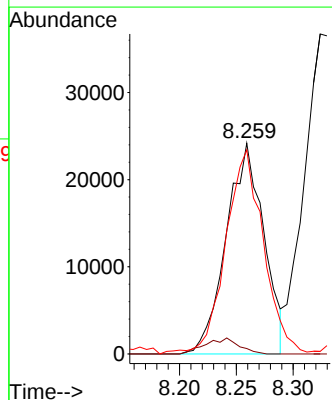
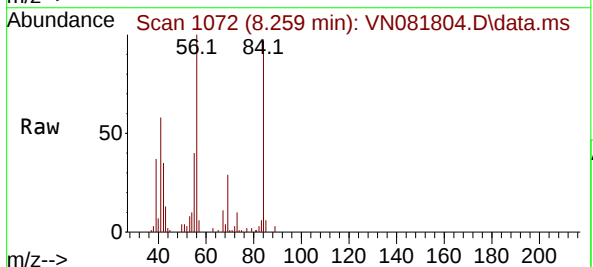
Manual Integrations
APPROVED

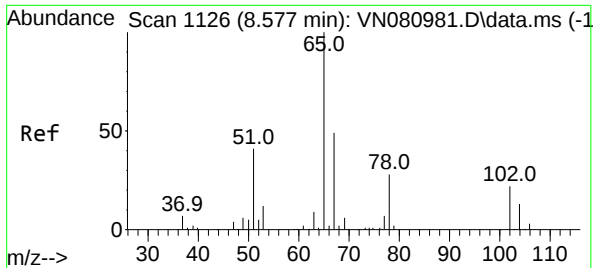
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#26
Cyclohexane
Concen: 16.001 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion: 56 Resp: 55629
Ion Ratio Lower Upper
56 100
89 6.8 19.3 28.9#
84 97.5 71.3 106.9





#27
1,2-Dichloroethane-d4
Concen: 30.916 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

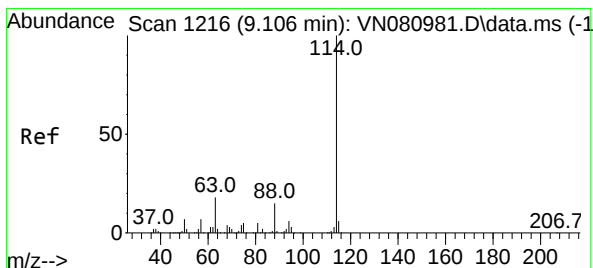
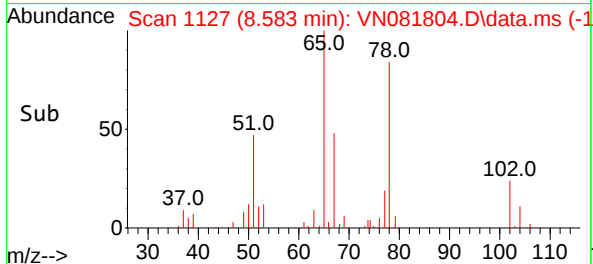
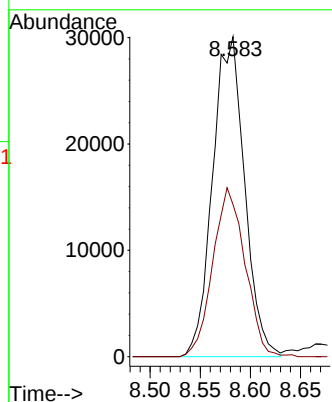
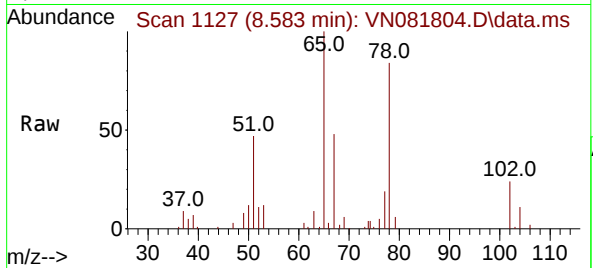
Tgt Ion: 65 Resp: 66609
Ion Ratio Lower Upper
65 100
67 53.3 43.2 64.8

Manual Integrations

APPROVED

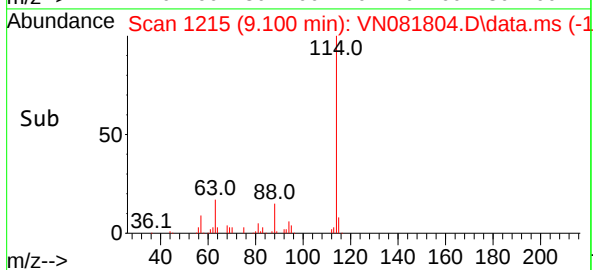
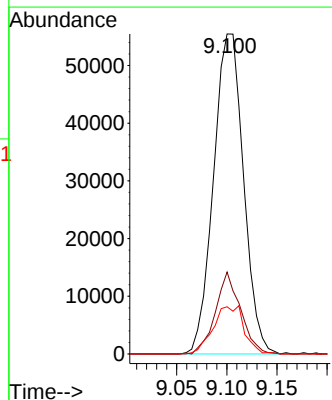
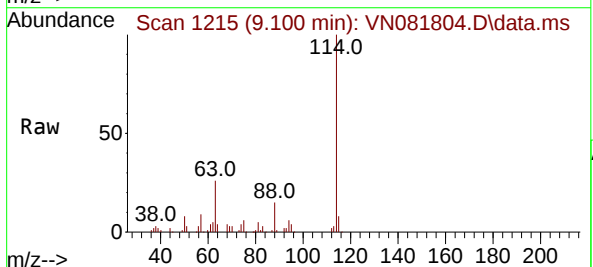
Reviewed By :John Carlone 04/22/2024

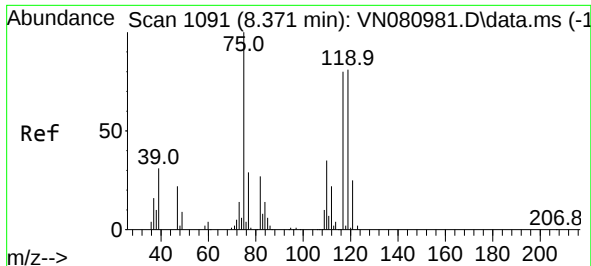
Supervised By :Mahesh Dadoda 04/22/2024



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

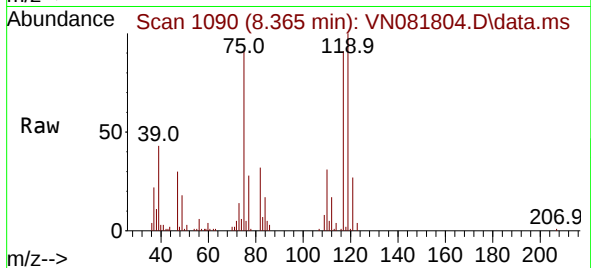
Tgt Ion:114 Resp: 115581
Ion Ratio Lower Upper
114 100
63 21.4 15.9 23.9
88 10.7 12.7 19.1#





#29
1,1-Dichloropropene
Concen: 18.402 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.012 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

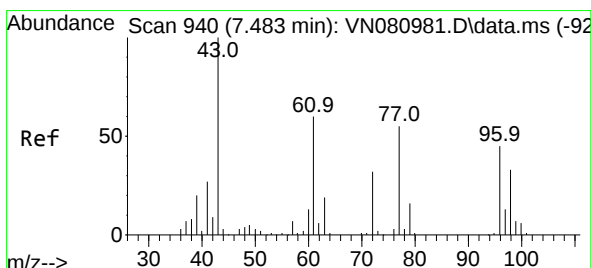
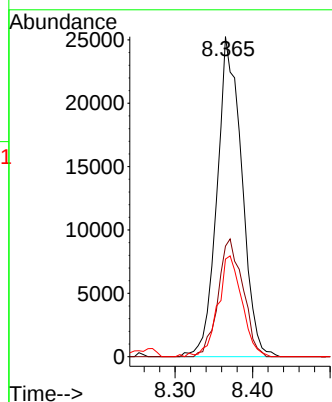
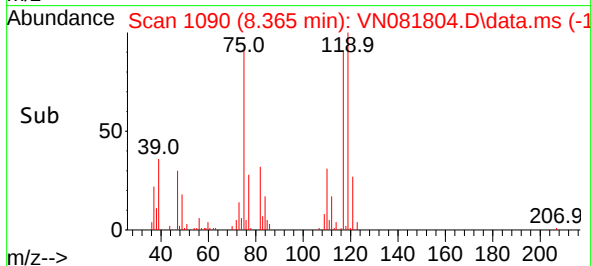
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	0.0	70.2
77	30.4	0.0	61.4

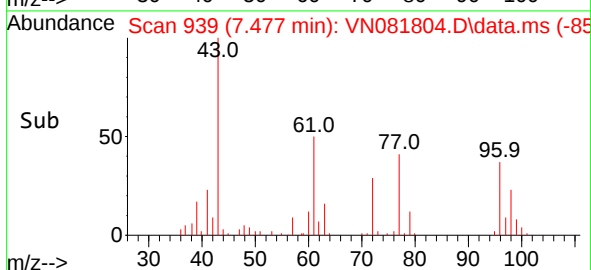
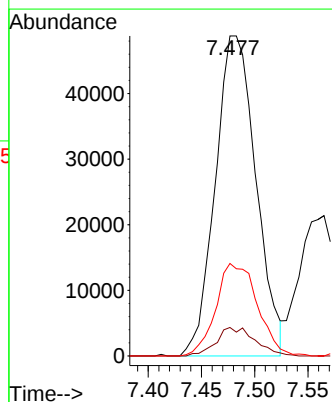
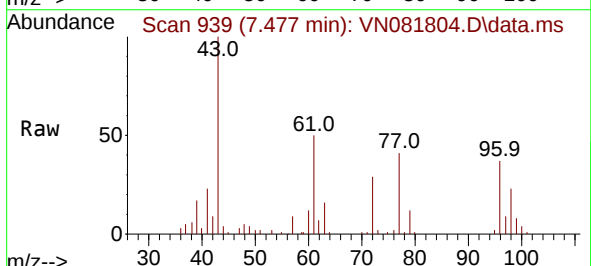
Manual Integrations
APPROVED

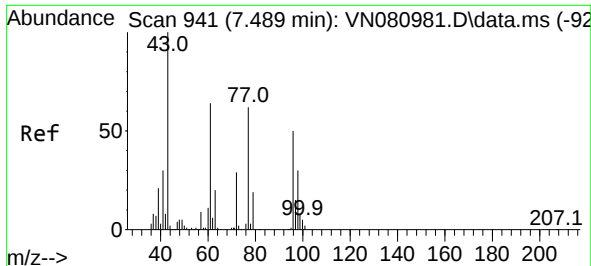
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#30
2-Butanone
Concen: 111.742 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion	Ratio	Lower	Upper
43	100		
57	4.7	6.7	10.1
72	29.3	24.0	36.0





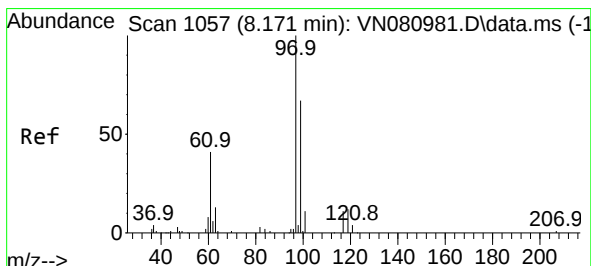
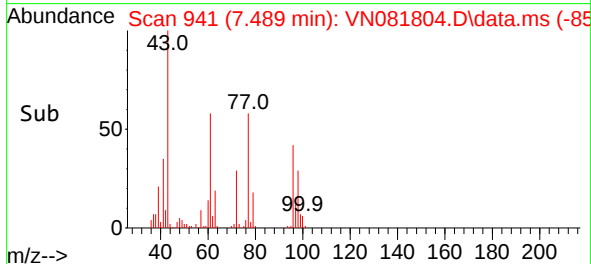
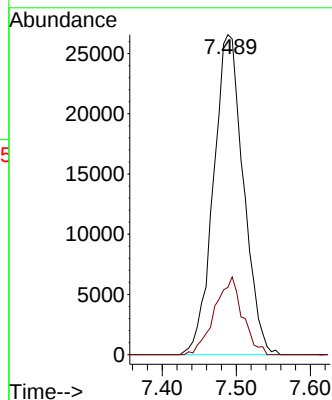
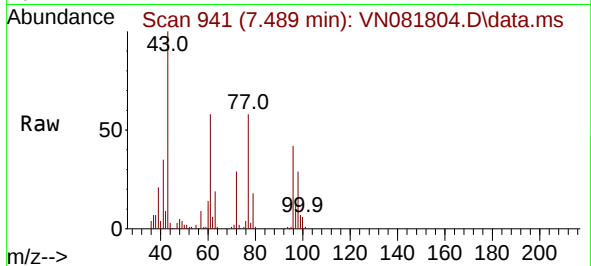
#31
2,2-Dichloropropane
Concen: 19.720 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tgt Ion: 77 Resp: 7463
Ion Ratio Lower Upper
77 100
97 22.3 18.3 27.5

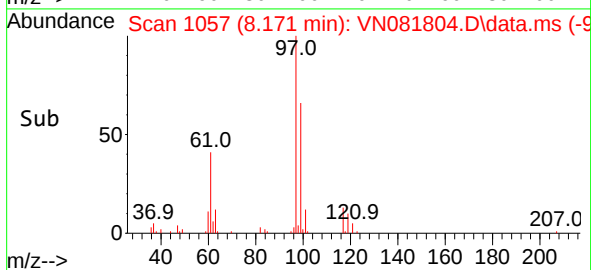
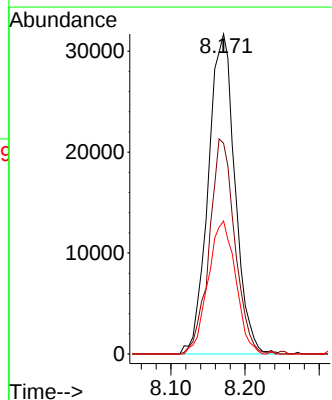
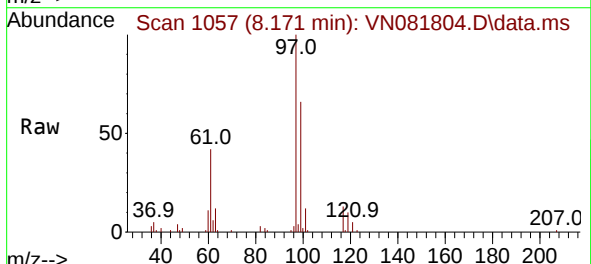
Manual Integrations
APPROVED

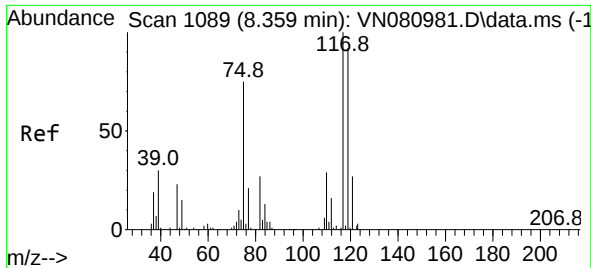
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#32
1,1,1-Trichloroethane
Concen: 18.987 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

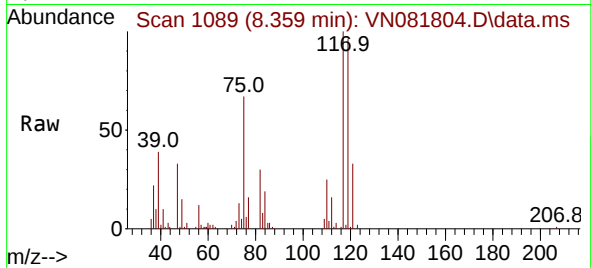
Tgt Ion: 97 Resp: 79516
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 42.7 33.8 50.8





#33
Carbon Tetrachloride
Concen: 17.145 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

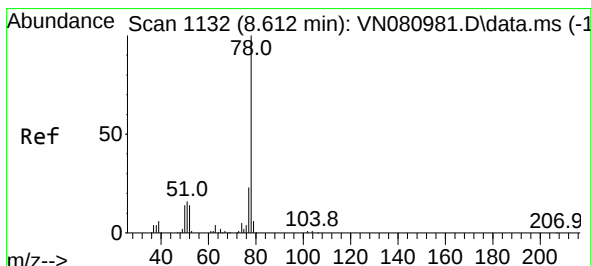
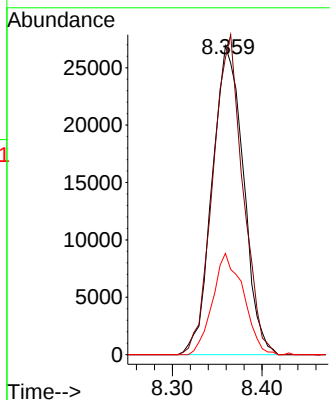
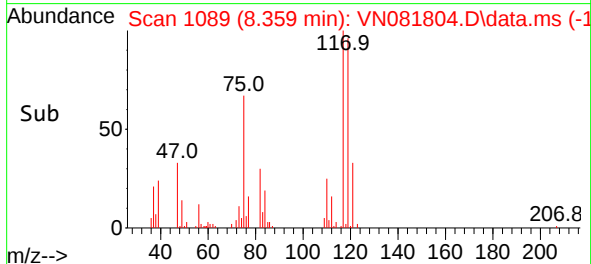
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion: 117 Resp: 6508
Ion Ratio Lower Upper
117 100
119 96.1 77.7 116.5
121 32.8 27.0 40.6

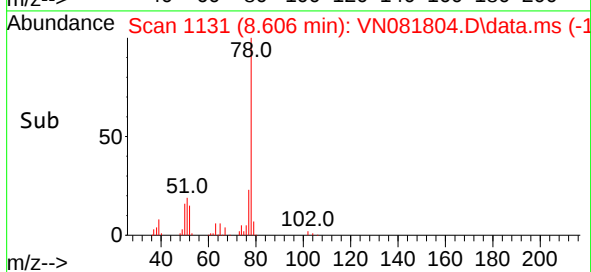
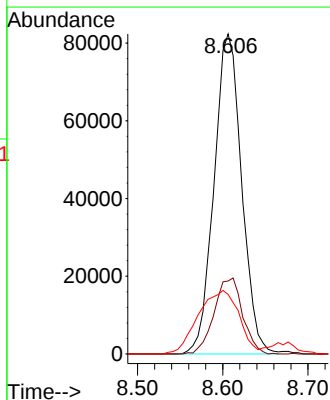
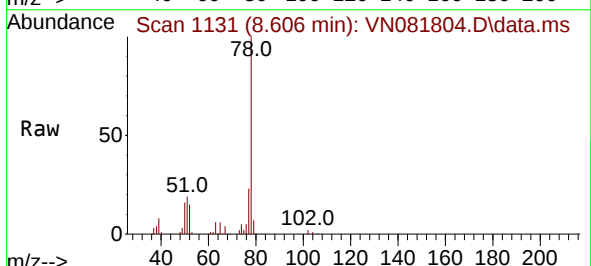
Manual Integrations
APPROVED

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



#34
Benzene
Concen: 18.942 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

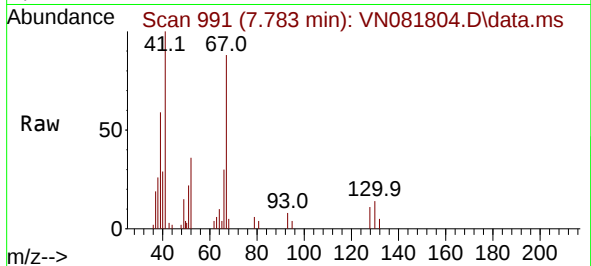
Tgt Ion: 78 Resp: 185414
Ion Ratio Lower Upper
78 100
77 22.8 19.2 28.8
51 17.1 13.3 19.9





#35
Methacrylonitrile
Concen: 22.176 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

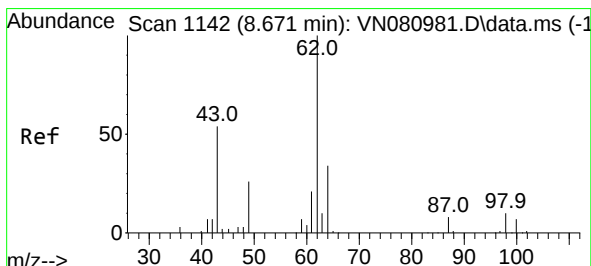
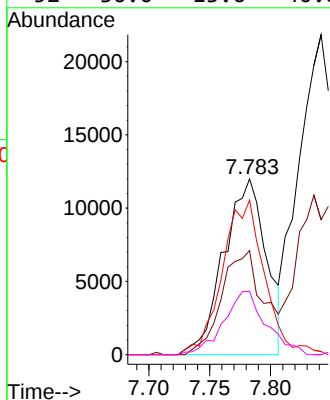
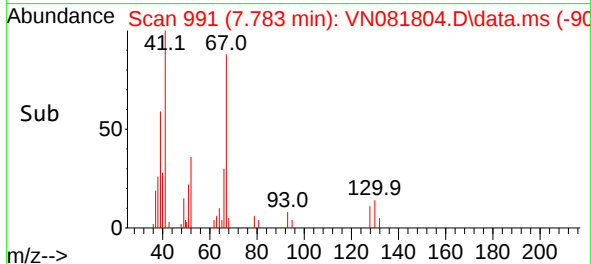
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion:	41	Resp:	29149
Ion Ratio	100	Lower	Upper
39	59.3	25.3	75.9
67	87.9	38.7	116.1
52	36.0	13.6	40.8

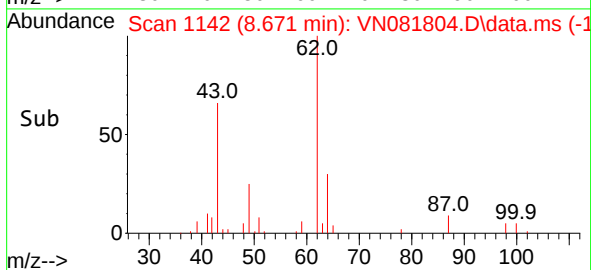
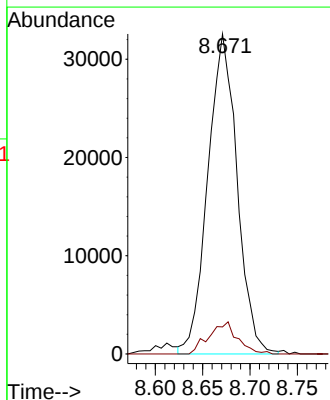
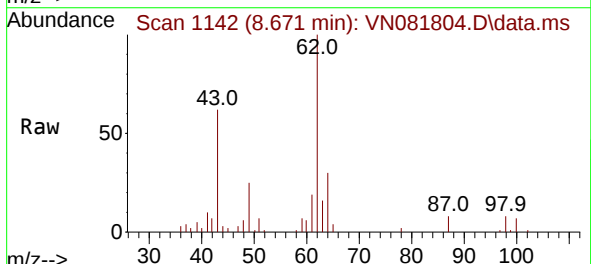
Manual Integrations
APPROVED

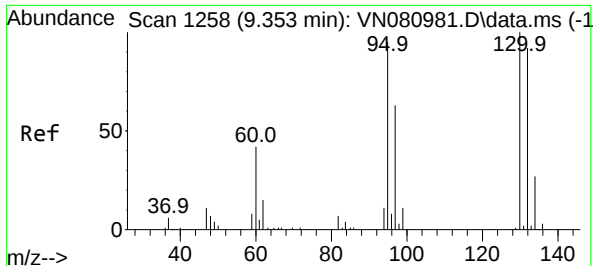
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#36
1,2-Dichloroethane
Concen: 21.839 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion:	62	Resp:	70118
Ion Ratio	100	Lower	Upper
98	9.7	8.2	12.4





#37

Trichloroethene

Concen: 18.066 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN081804.D

Acq: 19 Apr 2024 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

Tgt Ion:130 Resp: 4679

Ion Ratio Lower Upper

130 100

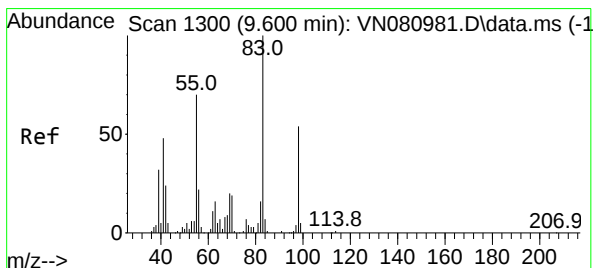
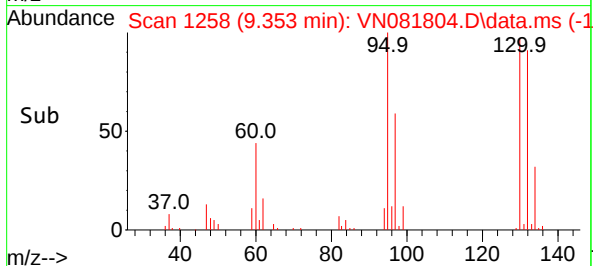
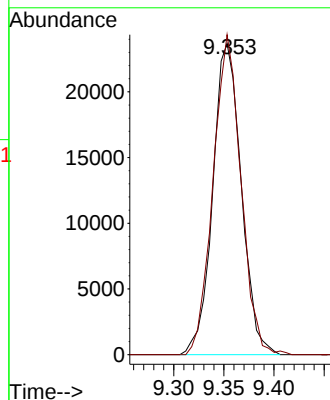
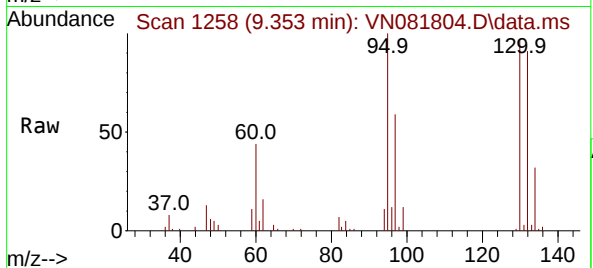
95 102.8 80.2 120.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#38

Methylcyclohexane

Concen: 15.927 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VN081804.D

Acq: 19 Apr 2024 12:50

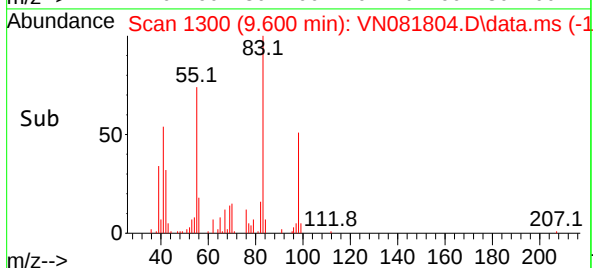
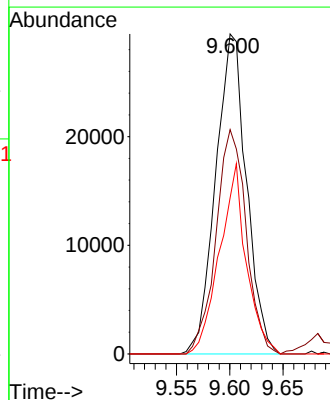
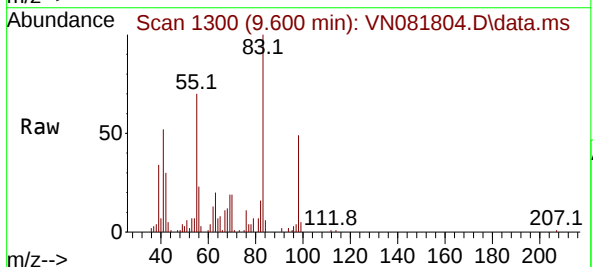
Tgt Ion: 83 Resp: 59152

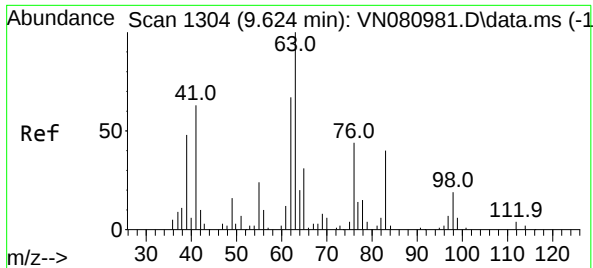
Ion Ratio Lower Upper

83 100

55 68.8 36.6 109.9

98 51.7 23.8 71.5





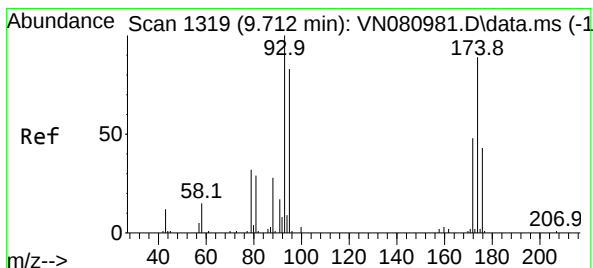
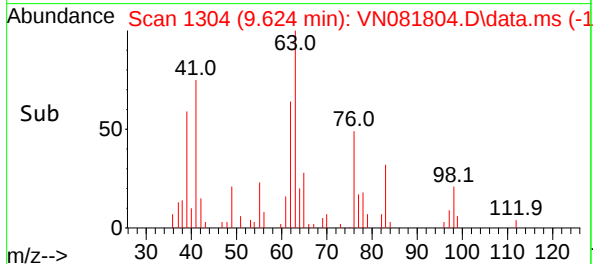
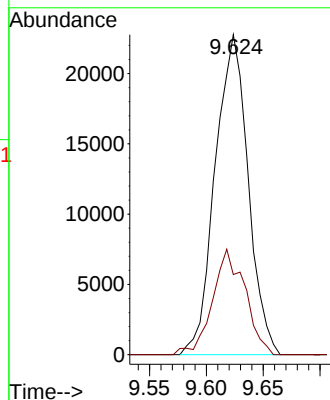
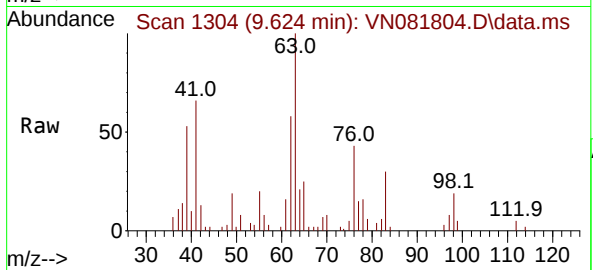
#39
1,2-Dichloropropane
Concen: 20.150 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tgt Ion: 63 Resp: 46014
Ion Ratio Lower Upper
63 100
65 25.0 25.0 37.4

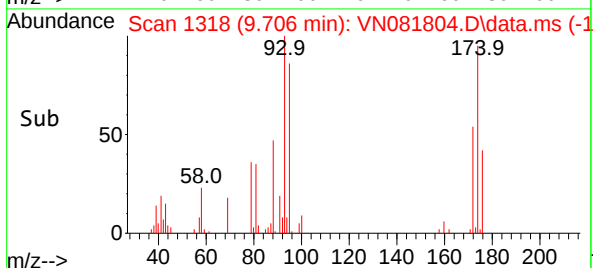
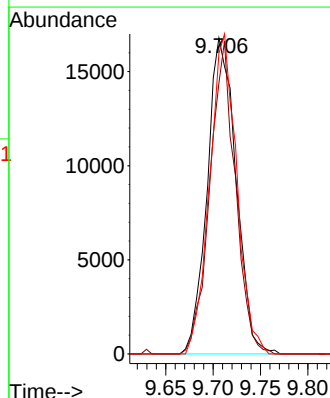
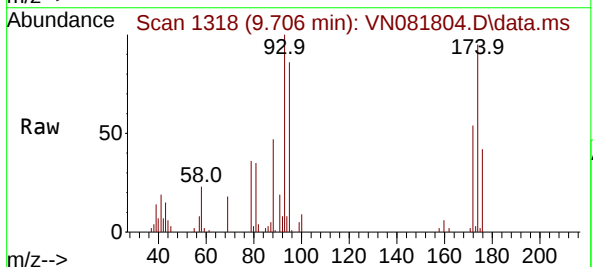
Manual Integrations
APPROVED

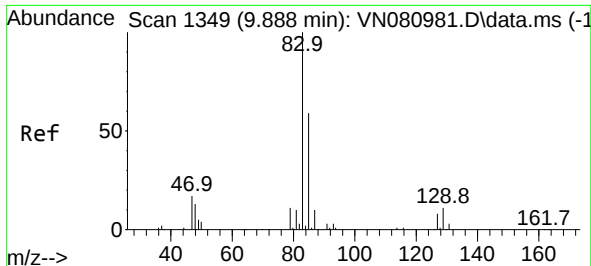
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#40
Dibromomethane
Concen: 19.579 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion: 93 Resp: 35616
Ion Ratio Lower Upper
93 100
95 87.1 0.0 164.6
174 94.9 0.0 193.2





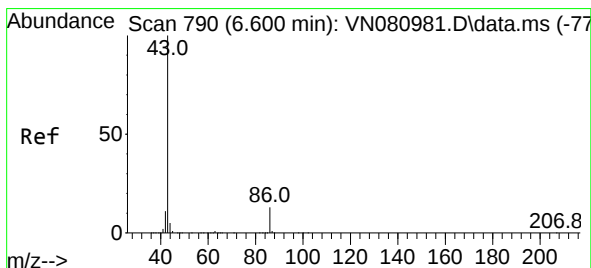
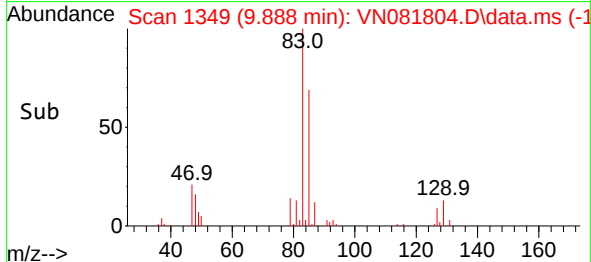
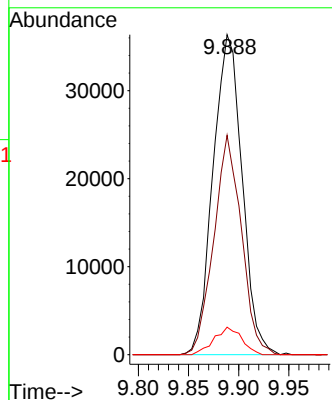
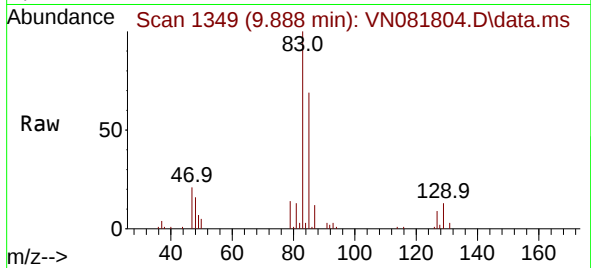
#41
Bromodichloromethane
Concen: 19.745 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tgt Ion: 83 Resp: 7324
Ion Ratio Lower Upper
83 100
85 68.6 49.4 74.2
127 8.6 7.3 10.9

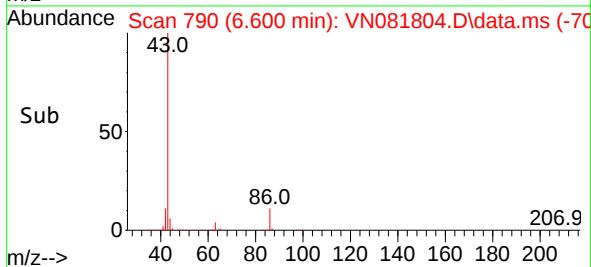
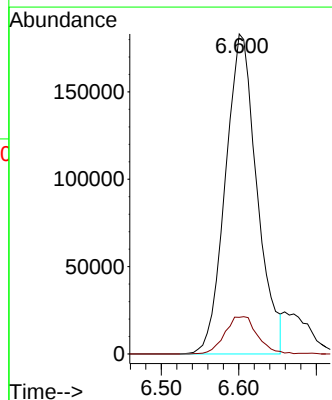
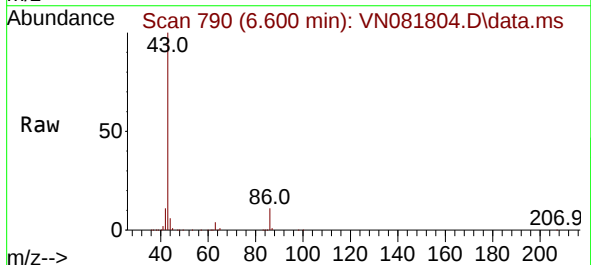
Manual Integrations
APPROVED

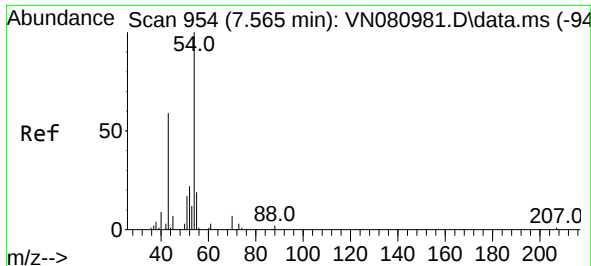
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#42
Vinyl Acetate
Concen: 107.510 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

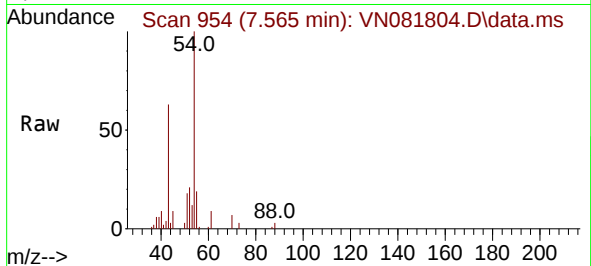
Tgt Ion: 43 Resp: 519740
Ion Ratio Lower Upper
43 100
86 6.0 9.4 14.2#





#43
Ethyl Acetate
Concen: 21.874 ug/l
RT: 7.565 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

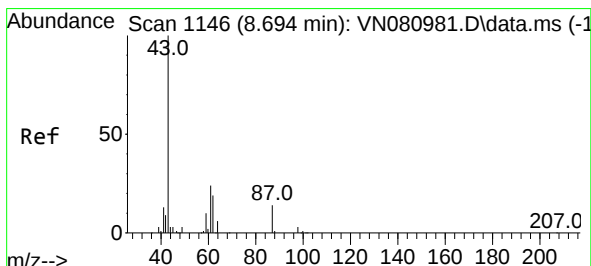
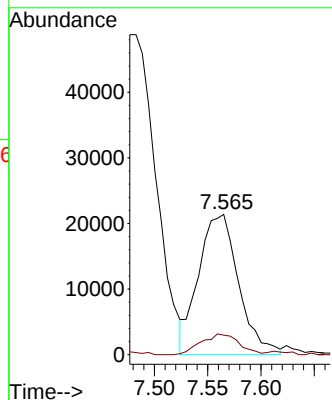
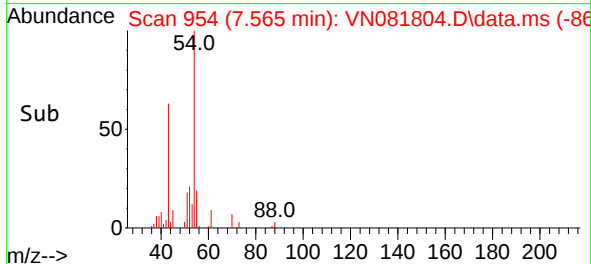
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



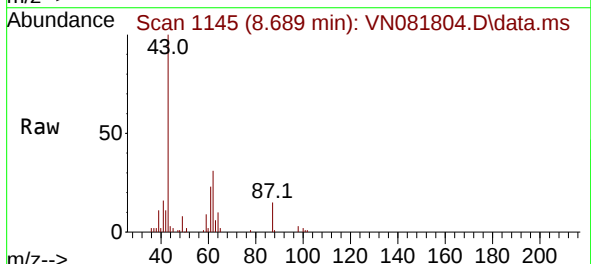
Tgt Ion: 43 Resp: 55944
Ion Ratio Lower Upper
43 100
45 14.0 10.6 15.8

Manual Integrations
APPROVED

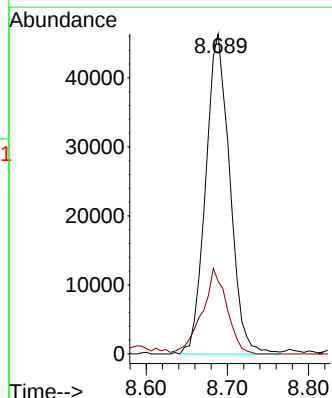
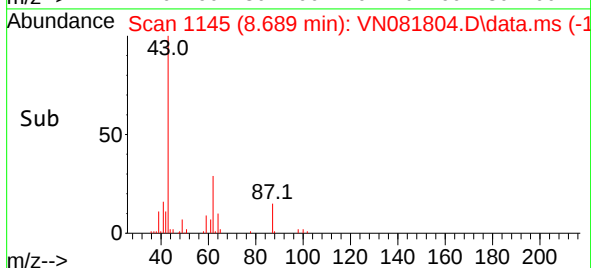
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

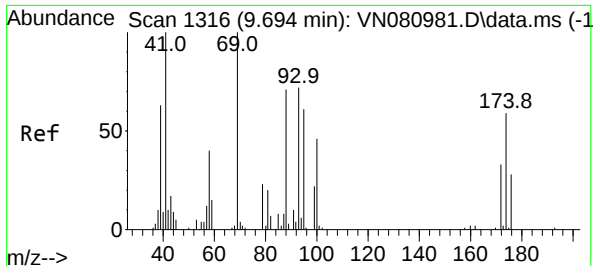


#44
Isopropyl Acetate
Concen: 22.354 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50



Tgt Ion: 43 Resp: 95794
Ion Ratio Lower Upper
43 100
61 27.5 25.0 37.4





#45

1,4-Dioxane

Concen: 452.246 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081804.D

Acq: 19 Apr 2024 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

Tgt Ion: 88 Resp: 21394

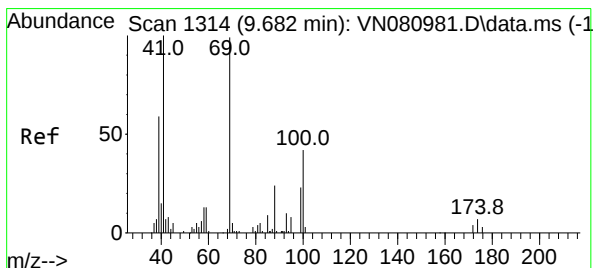
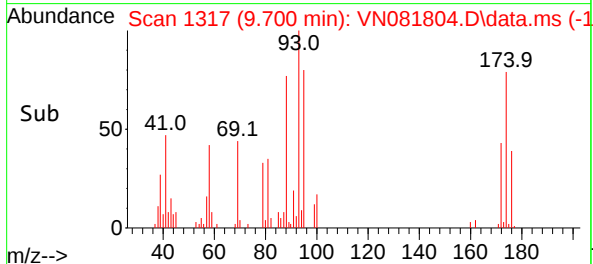
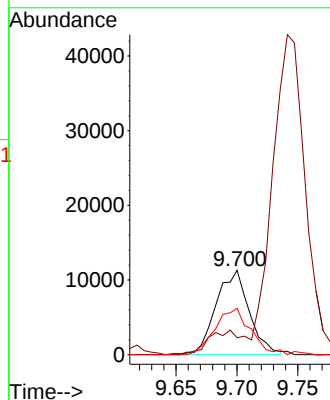
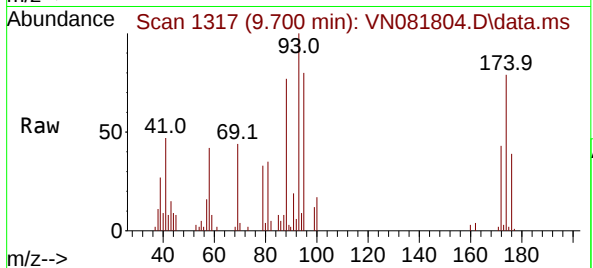
Ion	Ratio	Lower	Upper
88	100		
43	15.7	19.8	29.6
58	57.7	55.4	83.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#46

Methyl methacrylate

Concen: 21.618 ug/l

RT: 9.677 min Scan# 1313

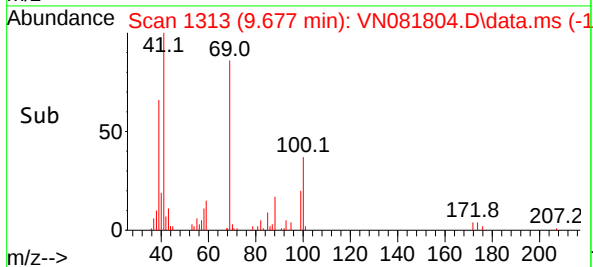
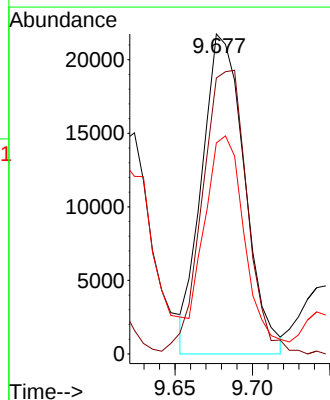
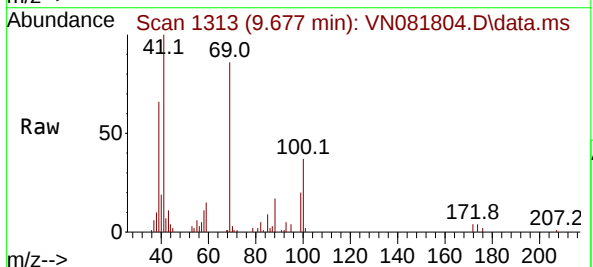
Delta R.T. -0.006 min

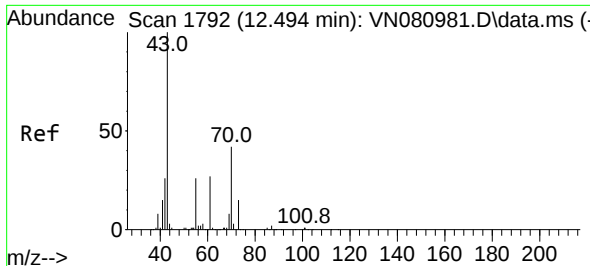
Lab File: VN081804.D

Acq: 19 Apr 2024 12:50

Tgt Ion: 41 Resp: 41661

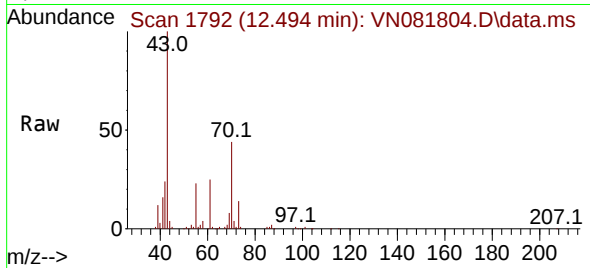
Ion	Ratio	Lower	Upper
41	100		
69	86.4	51.1	153.3
39	64.8	25.8	77.3





#47
n-amy1 Acetate
Concen: 22.451 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

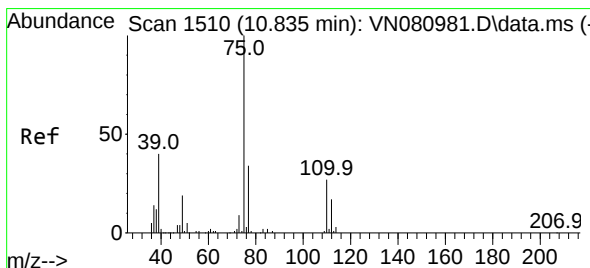
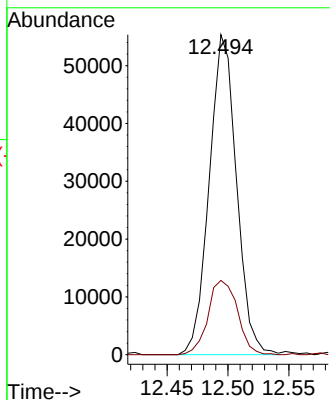
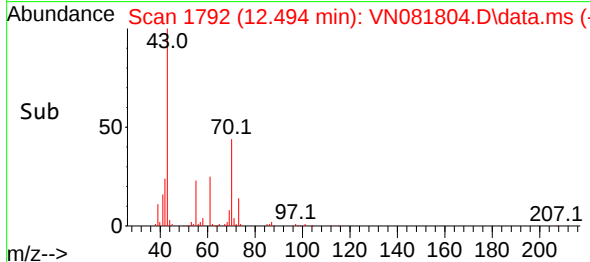
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



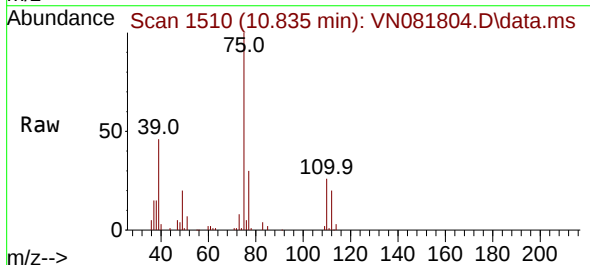
Tgt Ion: 43 Resp: 86330
Ion Ratio Lower Upper
43 100
55 25.0 23.4 35.2

Manual Integrations
APPROVED

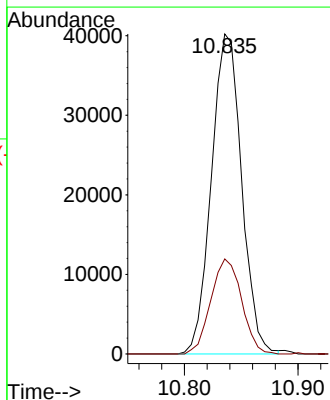
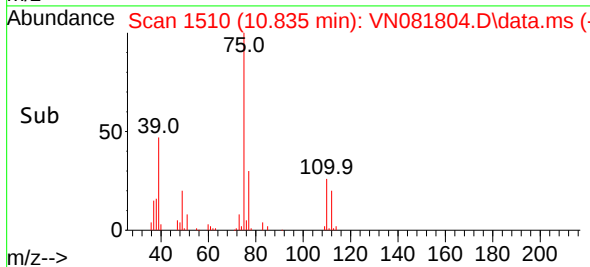
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

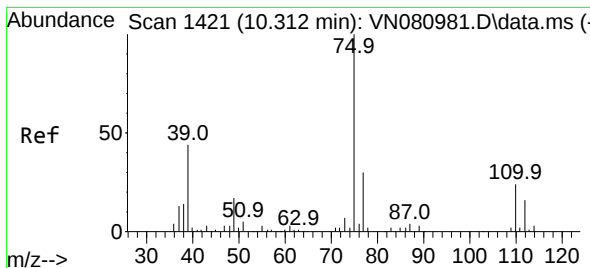


#48
t-1,3-Dichloropropene
Concen: 21.044 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50



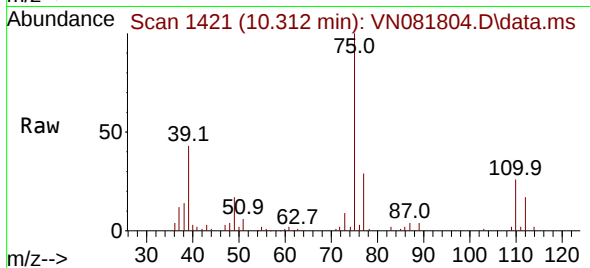
Tgt Ion: 75 Resp: 74370
Ion Ratio Lower Upper
75 100
77 29.7 23.8 35.6





#49
 cis-1,3-Dichloropropene
 Concen: 20.361 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.006 min
 Lab File: VN081804.D
 Acq: 19 Apr 2024 12:50

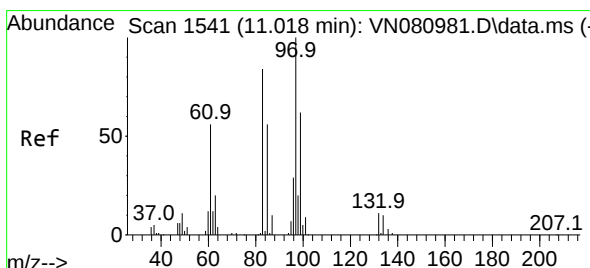
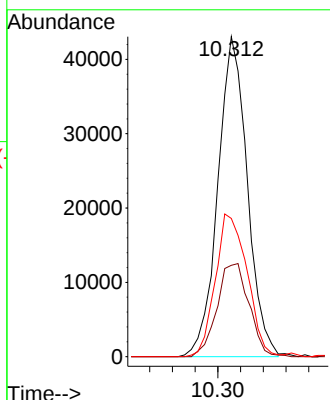
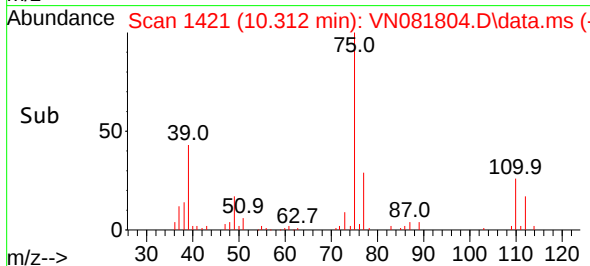
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD01



Tgt Ion: 75 Resp: 77492
 Ion Ratio Lower Upper
 75 100
 77 28.5 24.9 37.3
 39 43.2 31.0 46.6

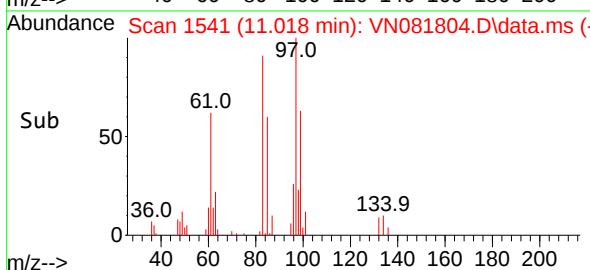
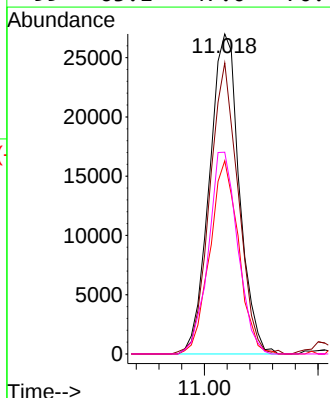
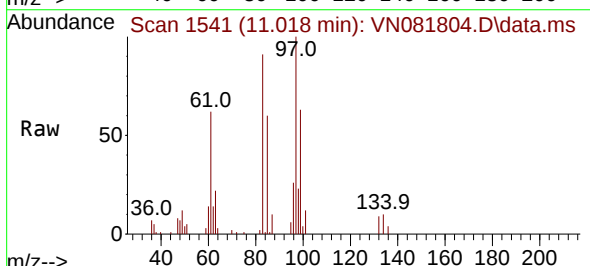
Manual Integrations
 APPROVED

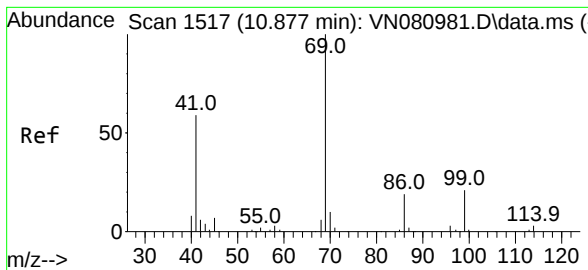
Reviewed By :John Carlone 04/22/2024
 Supervised By :Mahesh Dadoda 04/22/2024



#50
 1,1,2-Trichloroethane
 Concen: 20.306 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VN081804.D
 Acq: 19 Apr 2024 12:50

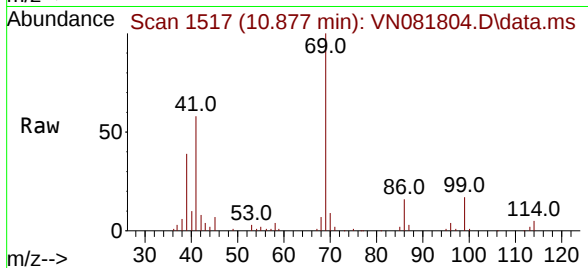
Tgt Ion: 97 Resp: 49459
 Ion Ratio Lower Upper
 97 100
 83 90.3 68.1 102.1
 85 60.3 41.8 62.6
 99 63.1 47.0 70.4





#51
Ethyl methacrylate
Concen: 20.783 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

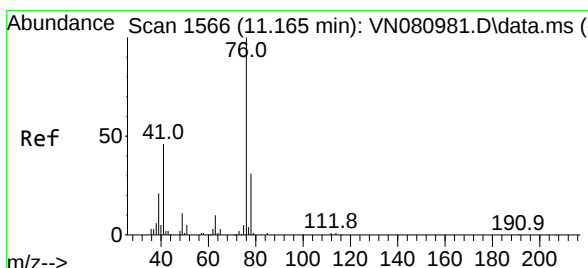
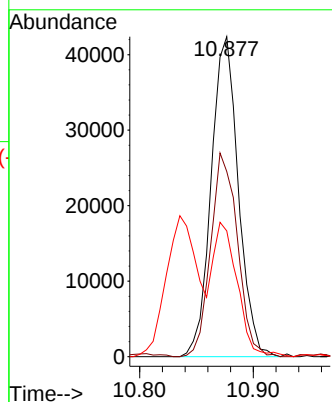
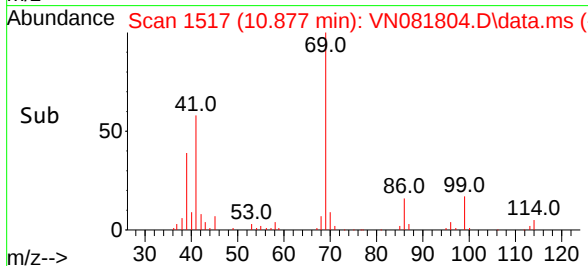
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



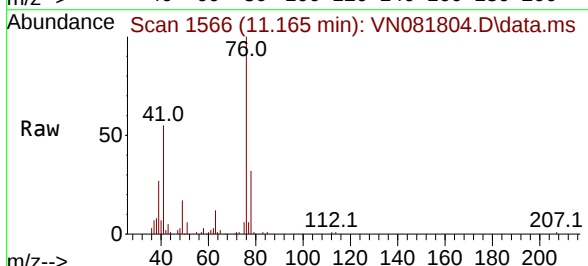
Tgt Ion: 69 Resp: 70485
Ion Ratio Lower Upper
69 100
41 57.8 25.5 76.5
39 38.5 16.0 47.9

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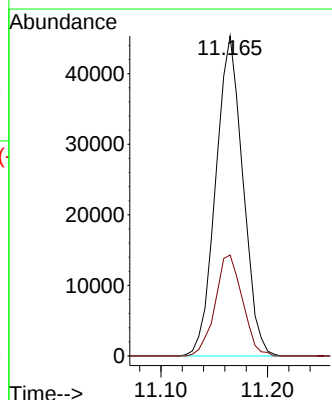
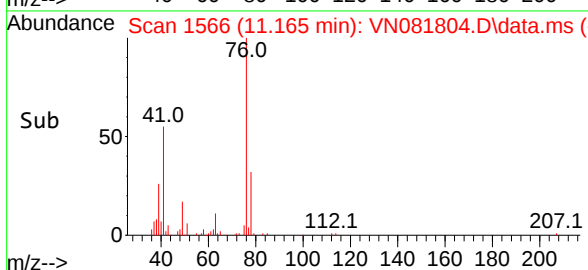
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

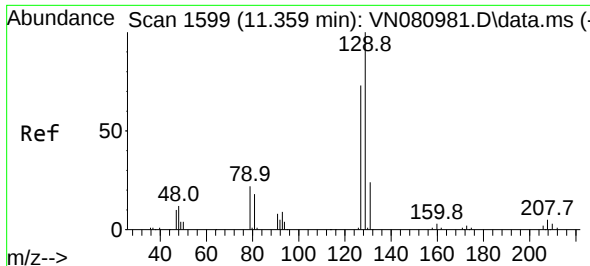


#52
1,3-Dichloropropane
Concen: 20.122 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50



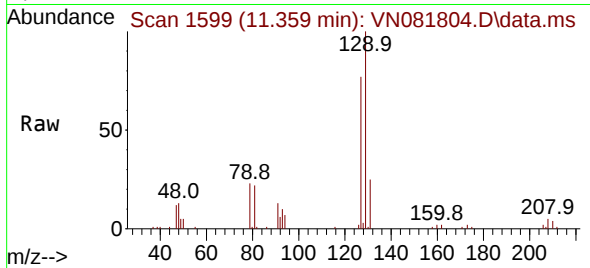
Tgt Ion: 76 Resp: 80335
Ion Ratio Lower Upper
76 100
78 31.6 0.0 65.8





#53
Dibromochloromethane
Concen: 20.290 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

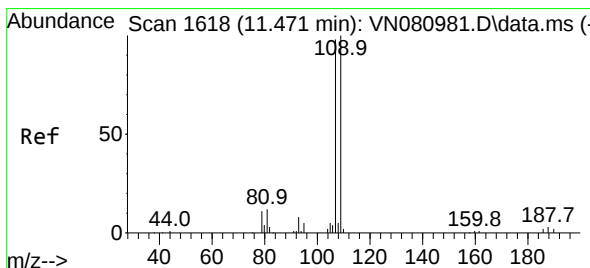
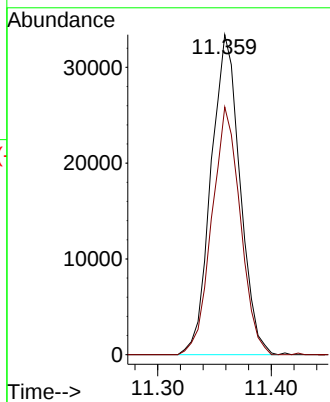
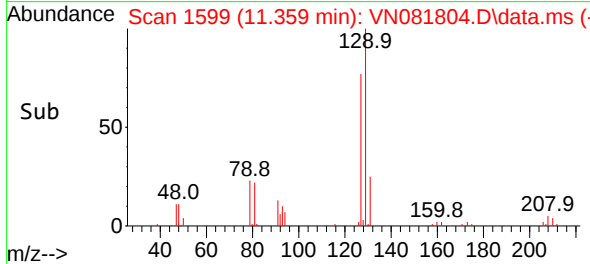
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



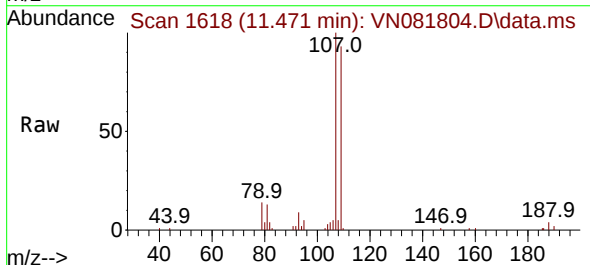
Tgt Ion:129 Resp: 5903
Ion Ratio Lower Upper
129 100
127 76.3 39.4 118.1

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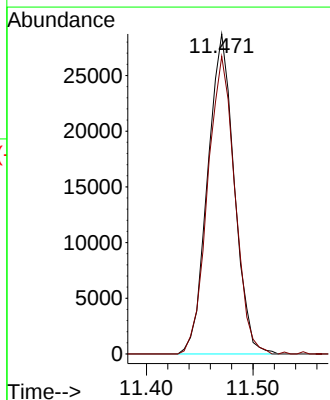
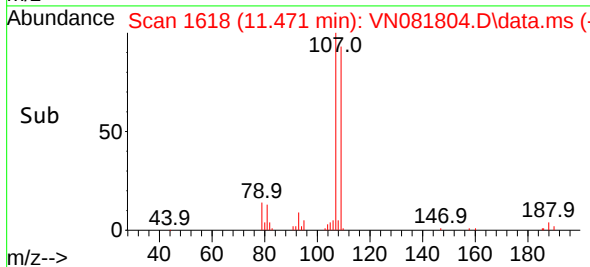
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

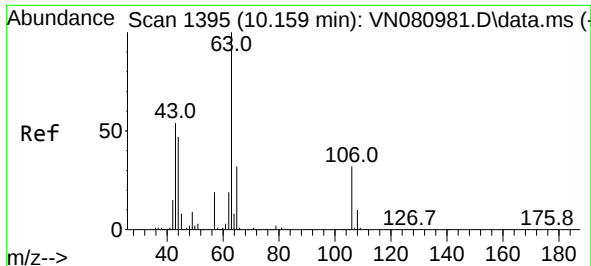


#54
1,2-Dibromoethane
Concen: 19.797 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50



Tgt Ion:107 Resp: 49842
Ion Ratio Lower Upper
107 100
109 94.9 74.7 112.1





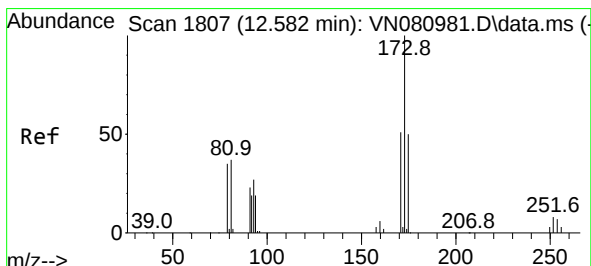
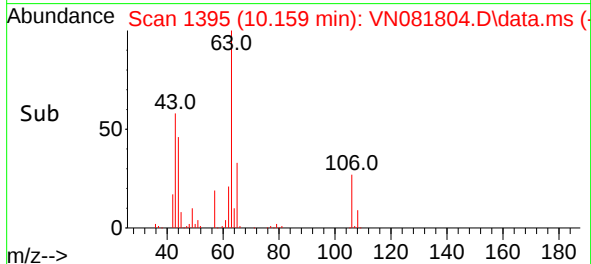
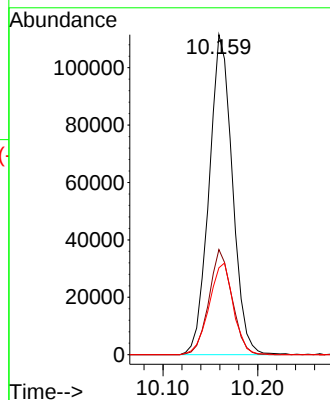
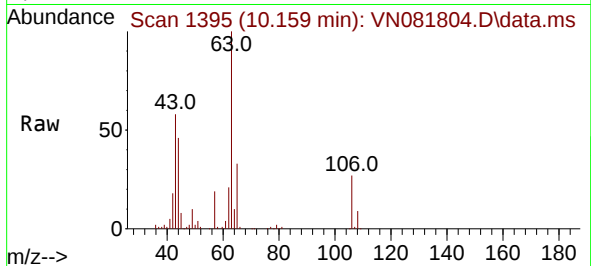
#55
2-Chloroethyl vinyl ether
Concen: 114.450 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tgt Ion: 63 Resp: 19061
Ion Ratio Lower Upper
63 100
65 32.2 26.2 39.2
106 29.7 23.8 35.8

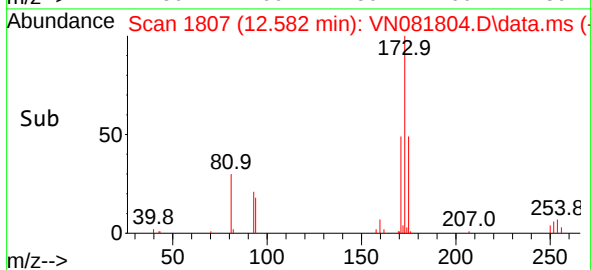
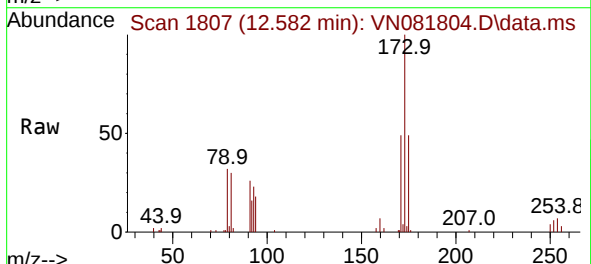
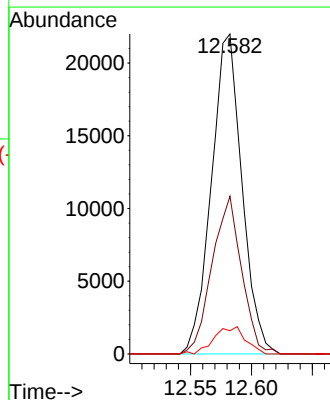
Manual Integrations
APPROVED

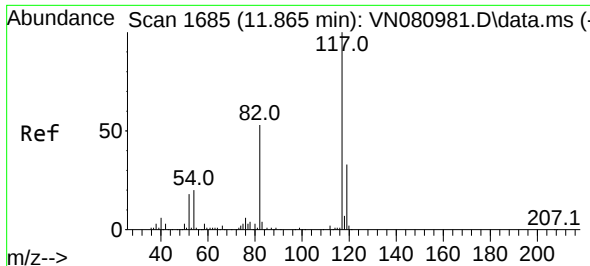
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#56
Bromoform
Concen: 20.653 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

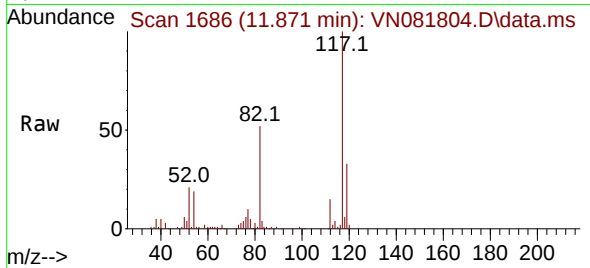
Tgt Ion:173 Resp: 38425
Ion Ratio Lower Upper
173 100
175 47.4 40.0 60.0
254 8.6 8.3 12.5





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

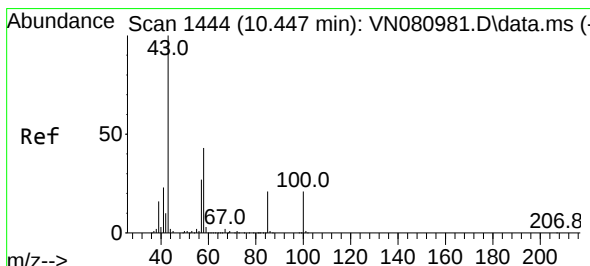
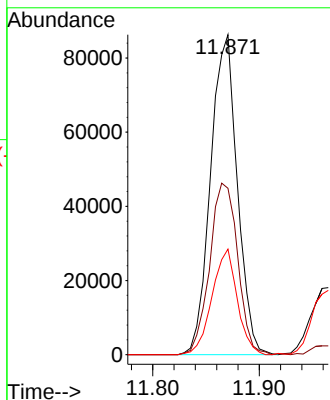
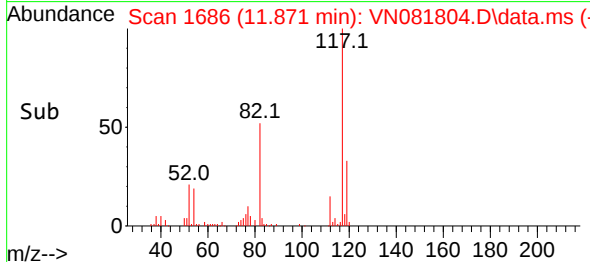
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion: 117 Resp: 150502
Ion Ratio Lower Upper
117 100
82 56.1 46.6 69.8
119 31.2 25.4 38.2

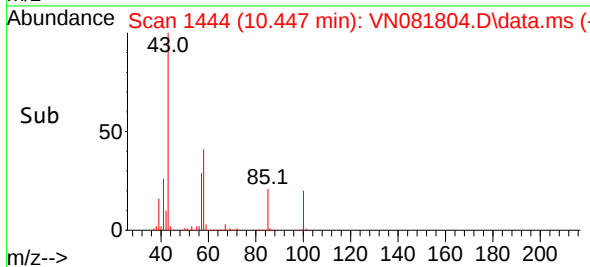
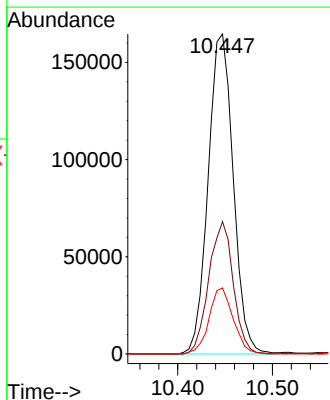
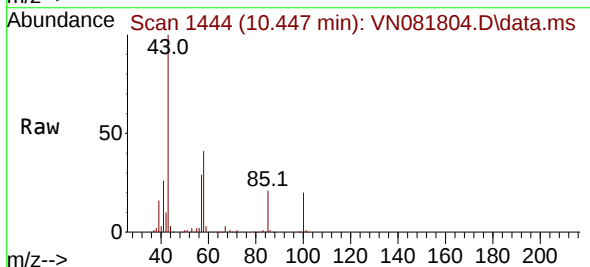
Manual Integrations
APPROVED

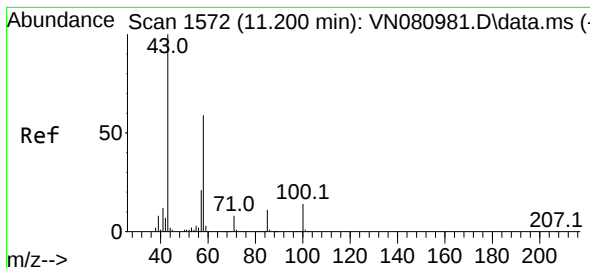
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#58
4-Methyl-2-Pentanone
Concen: 117.161 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

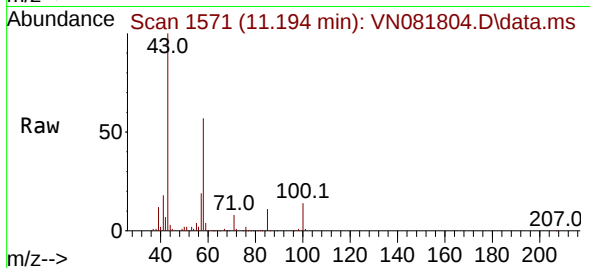
Tgt Ion: 43 Resp: 303234
Ion Ratio Lower Upper
43 100
58 40.3 36.5 54.7
85 19.8 19.5 29.3





#59
2-Hexanone
Concen: 120.509 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

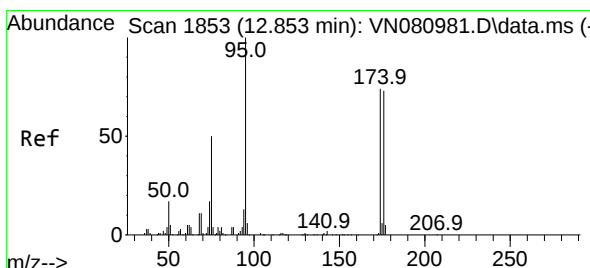
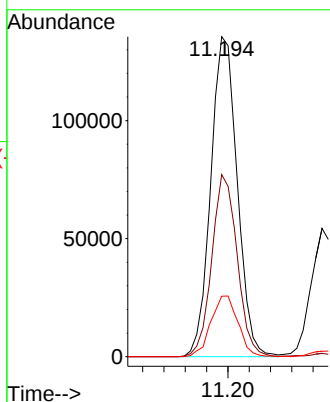
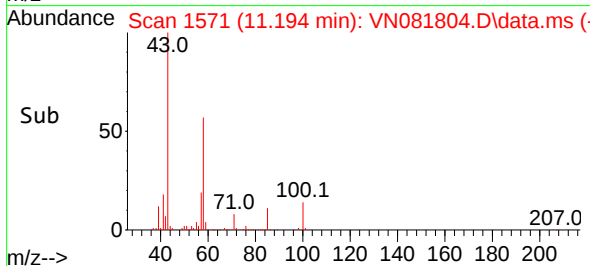
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion: 43 Resp: 234240
Ion Ratio Lower Upper
43 100
58 54.4 50.4 75.6
57 19.4 18.6 27.8

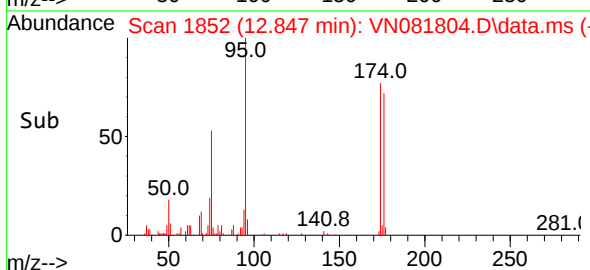
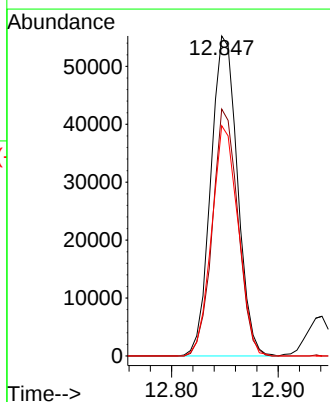
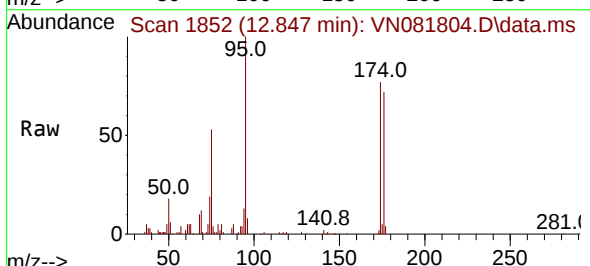
Manual Integrations
APPROVED

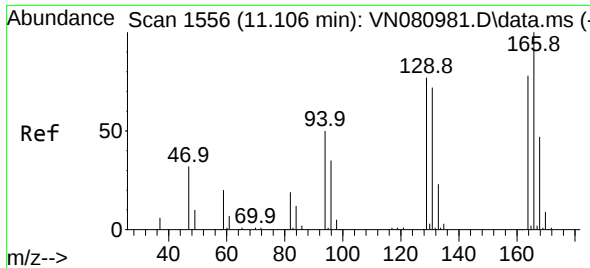
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#60
4-Bromofluorobenzene
Concen: 32.388 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

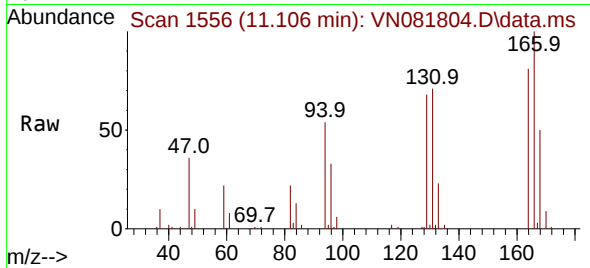
Tgt Ion: 95 Resp: 95833
Ion Ratio Lower Upper
95 100
174 73.8 60.5 90.7
176 71.8 57.8 86.6





#61
Tetrachloroethene
Concen: 17.668 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

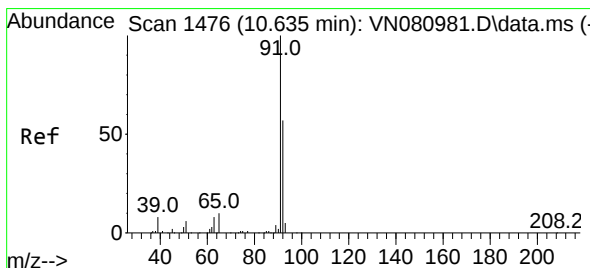
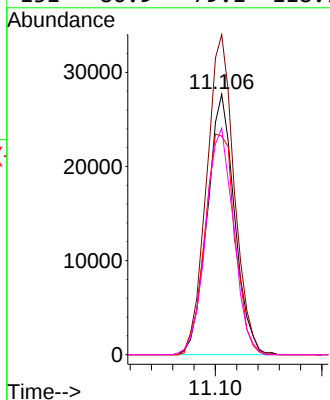
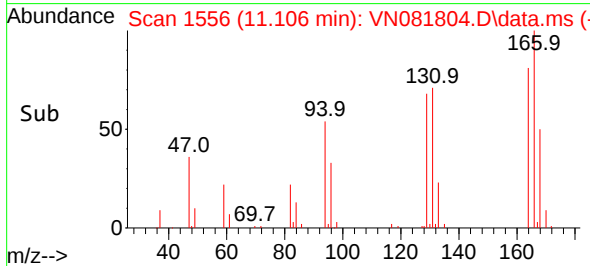
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



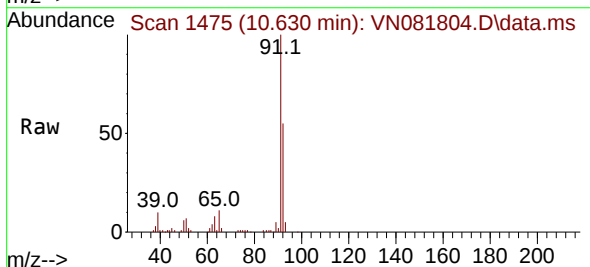
Tgt Ion:164 Resp: 49272
Ion Ratio Lower Upper
164 100
166 122.9 106.7 160.1
129 83.9 85.8 128.6
131 86.9 79.1 118.7

Manual Integrations
APPROVED

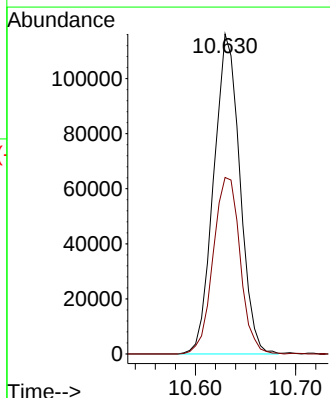
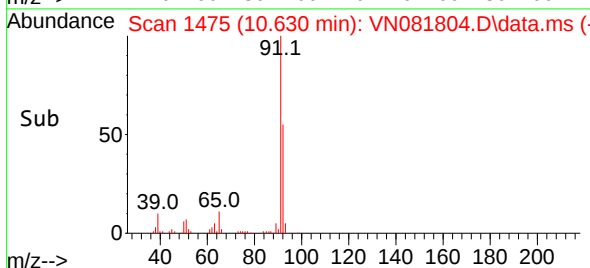
Reviewed By :John Carbone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

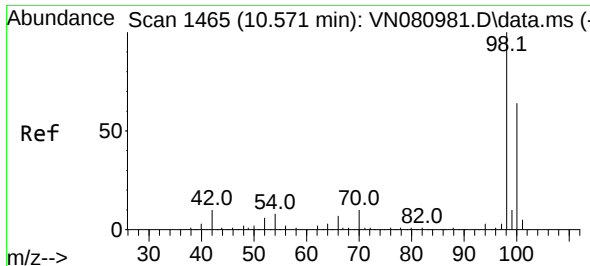


#62
Toluene
Concen: 19.216 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50



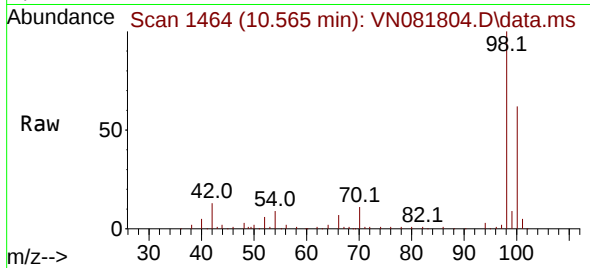
Tgt Ion: 91 Resp: 210400
Ion Ratio Lower Upper
91 100
92 57.0 46.5 69.7





#63
Toluene-d8
Concen: 30.245 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

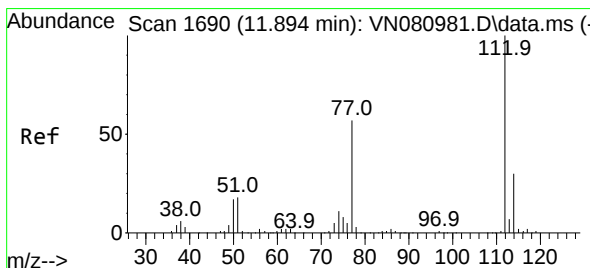
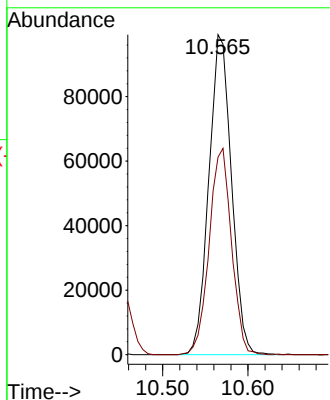
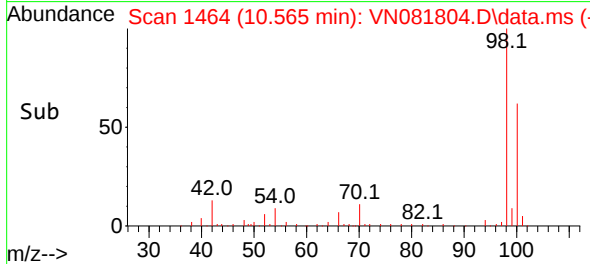
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion: 98 Resp: 18258
Ion Ratio Lower Upper
98 100
100 63.7 52.7 79.1

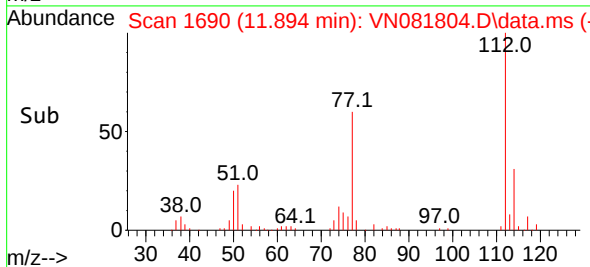
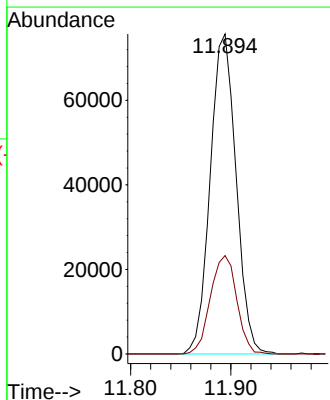
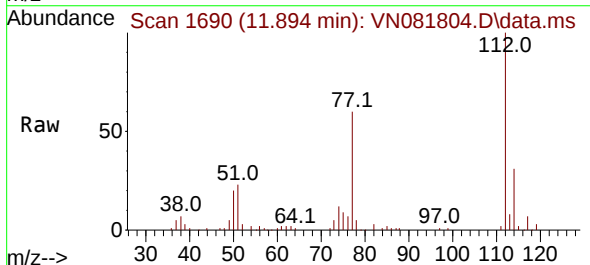
Manual Integrations
APPROVED

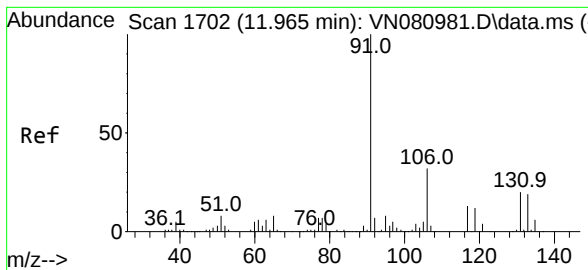
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#64
Chlorobenzene
Concen: 19.494 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

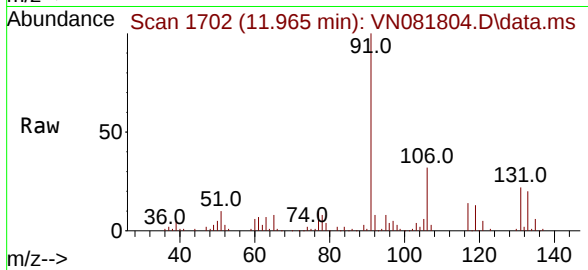
Tgt Ion:112 Resp: 135348
Ion Ratio Lower Upper
112 100
114 30.7 26.6 39.8





#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.100 ug/l
 RT: 11.965 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: VN081804.D
 Acq: 19 Apr 2024 12:50

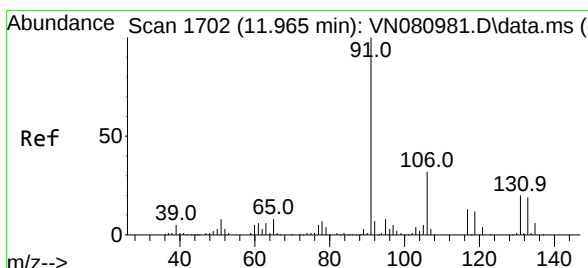
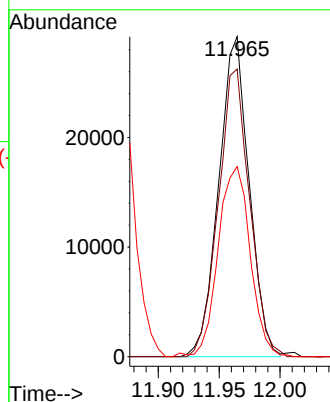
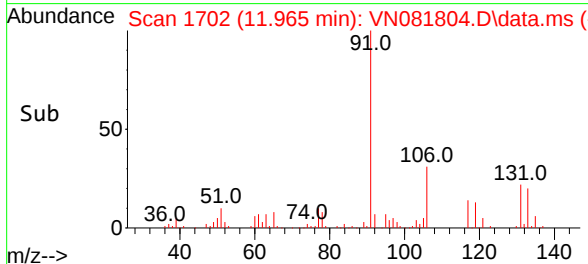
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD01



Tgt Ion:131 Resp: 50694
 Ion Ratio Lower Upper
 131 100
 133 92.4 0.0 188.0
 119 62.2 0.0 122.8

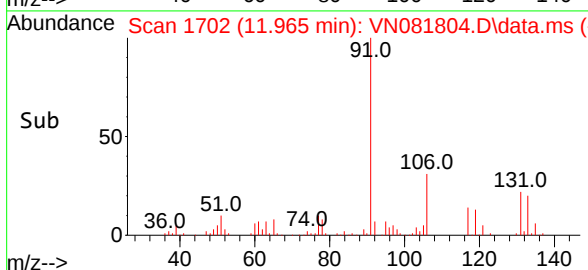
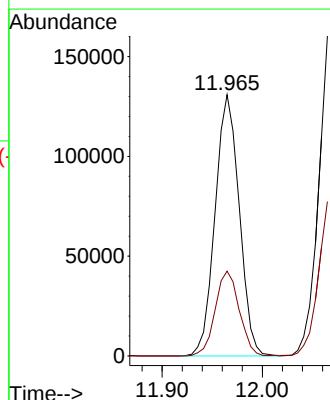
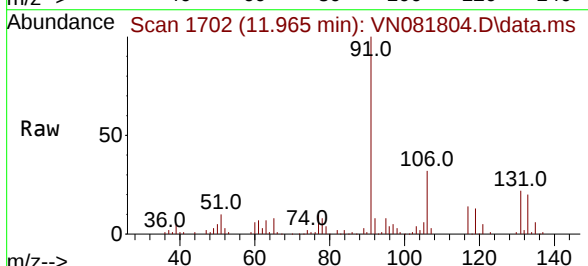
Manual Integrations
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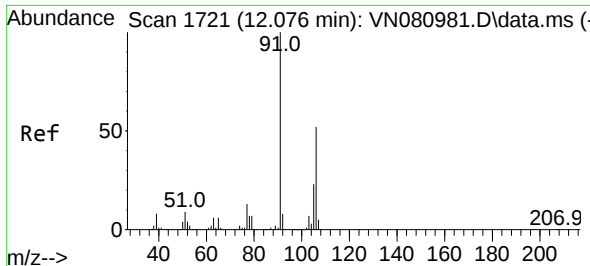
Reviewed By :John Carlone 04/22/2024
 Supervised By :Mahesh Dadoda 04/22/2024



#66
 Ethyl Benzene
 Concen: 18.779 ug/l
 RT: 11.965 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: VN081804.D
 Acq: 19 Apr 2024 12:50

Tgt Ion: 91 Resp: 218614
 Ion Ratio Lower Upper
 91 100
 106 32.5 24.4 36.6





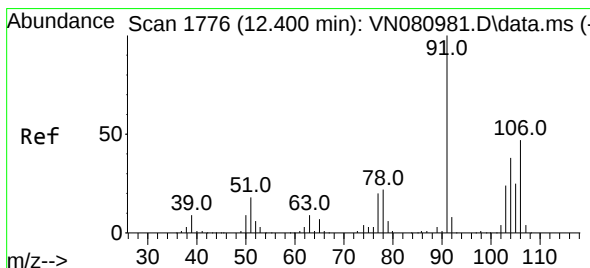
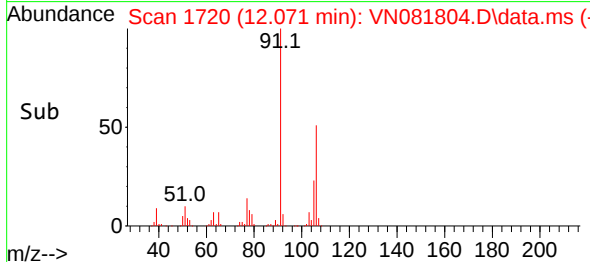
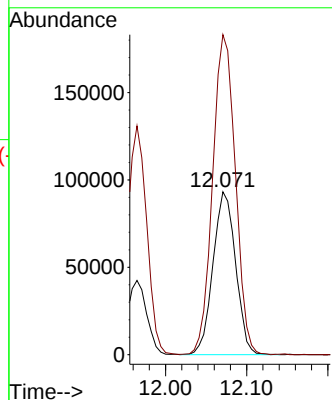
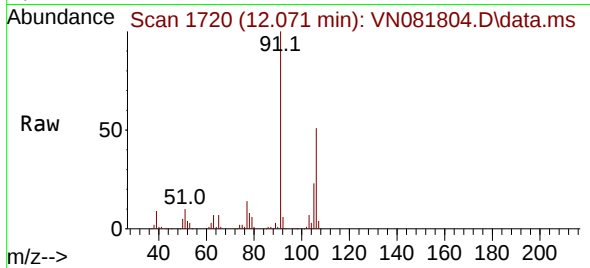
#67
m/p-Xylenes
Concen: 39.149 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tgt Ion:106 Resp: 180529
Ion Ratio Lower Upper
106 100
91 197.6 166.6 249.8

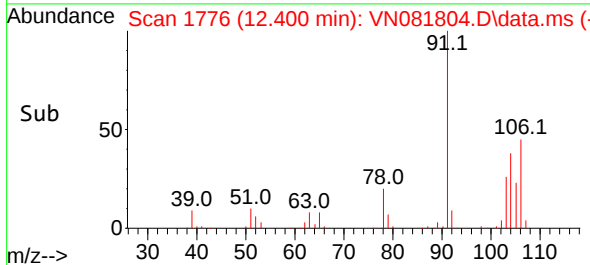
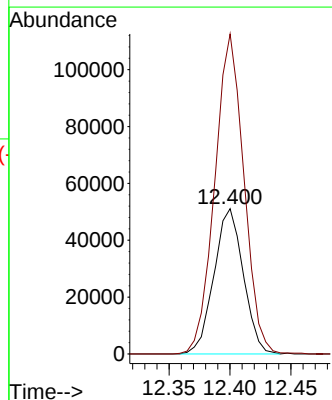
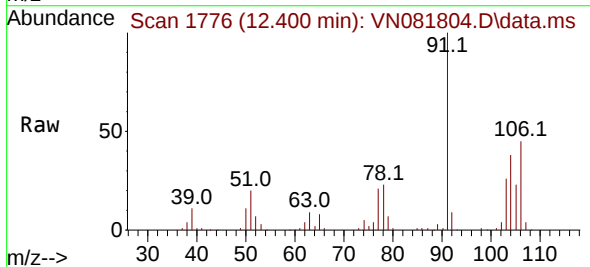
Manual Integrations
APPROVED

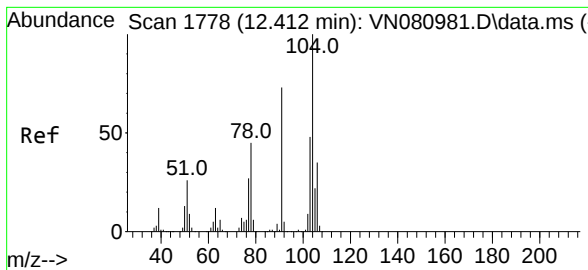
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#68
o-Xylene
Concen: 19.550 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion:106 Resp: 85583
Ion Ratio Lower Upper
106 100
91 218.9 110.0 330.0





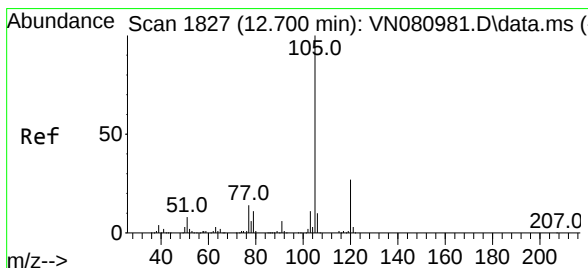
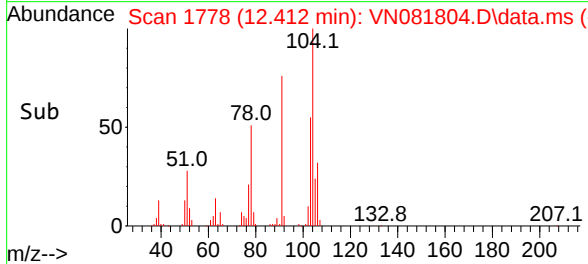
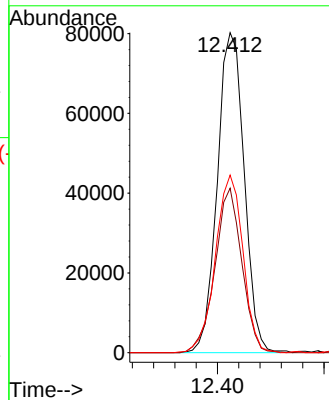
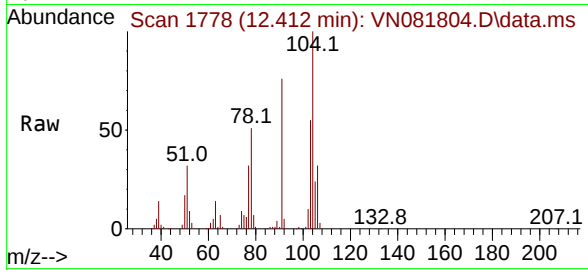
#69
Styrene
Concen: 18.836 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tgt Ion:104 Resp: 140432
Ion Ratio Lower Upper
104 100
78 51.3 42.6 64.0
103 56.9 43.7 65.5

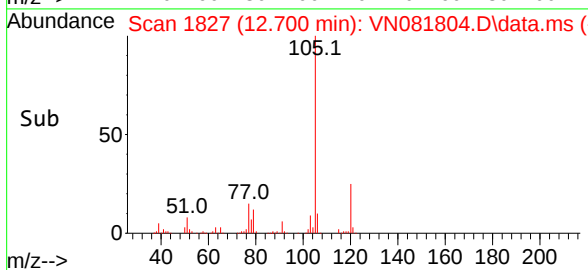
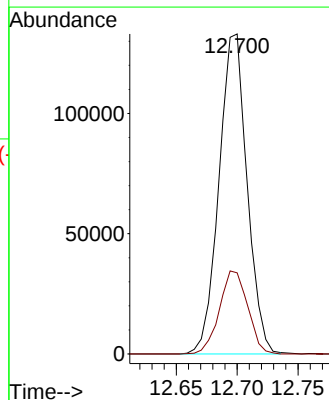
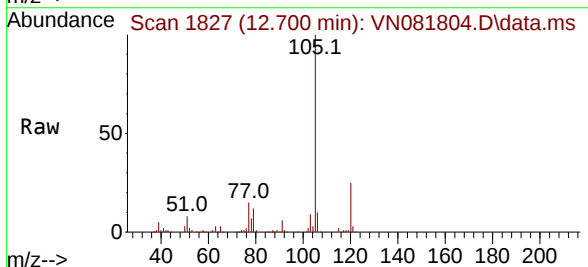
Manual Integrations
APPROVED

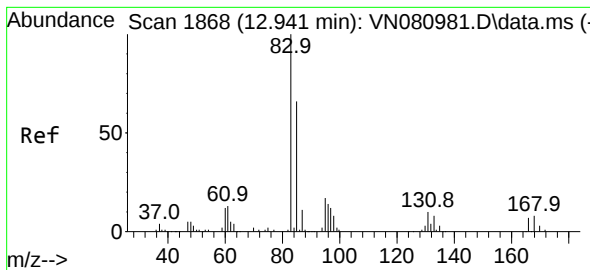
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#70
Isopropylbenzene
Concen: 18.923 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion:105 Resp: 213705
Ion Ratio Lower Upper
105 100
120 26.1 17.8 33.1





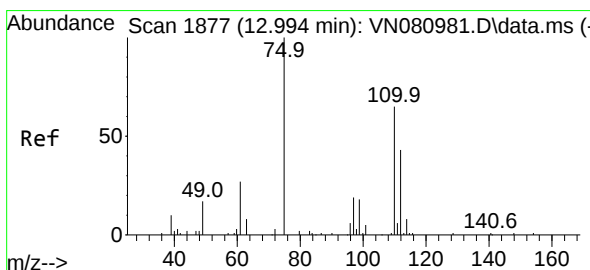
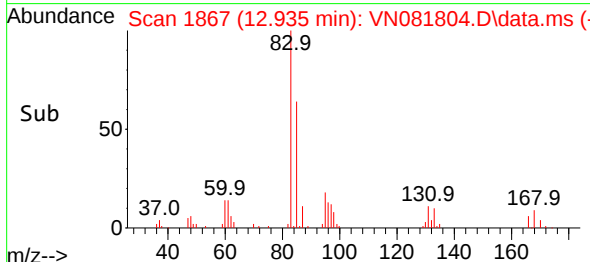
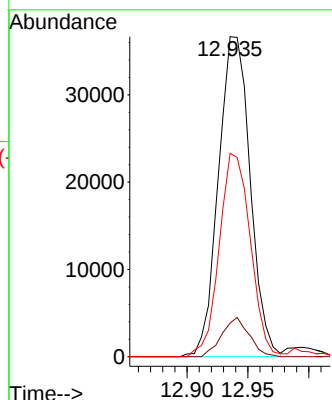
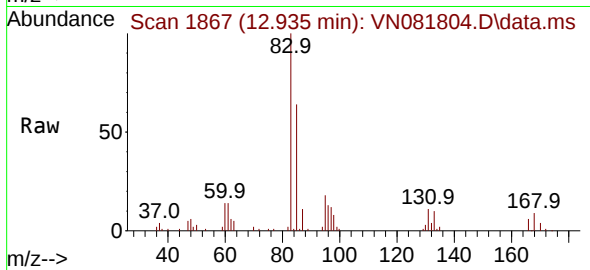
#71
1,1,2,2-Tetrachloroethane
Concen: 22.596 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tgt Ion: 83 Resp: 66660
Ion Ratio Lower Upper
83 100
131 10.5 5.2 15.6
85 62.3 32.3 96.8

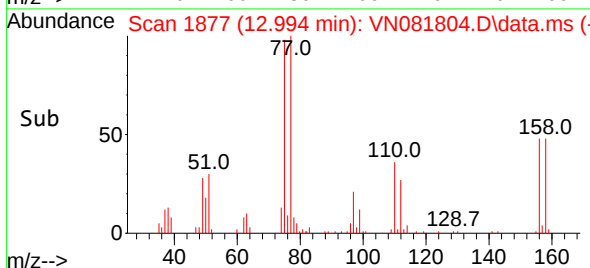
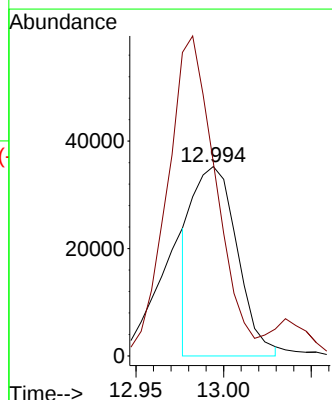
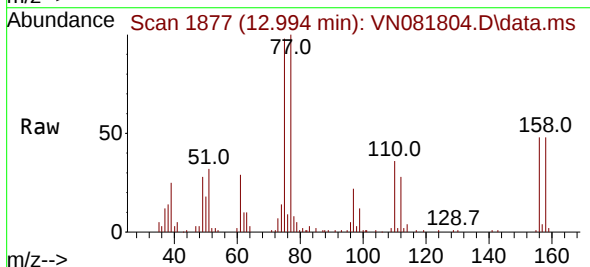
Manual Integrations
APPROVED

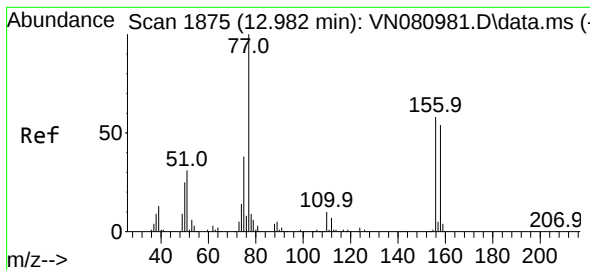
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#72
1,2,3-Trichloropropane
Concen: 22.918 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion: 75 Resp: 62595
Ion Ratio Lower Upper
75 100
77 183.8 0.0 367.6





#73

Bromobenzene

Concen: 19.770 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN081804.D

Acq: 19 Apr 2024 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

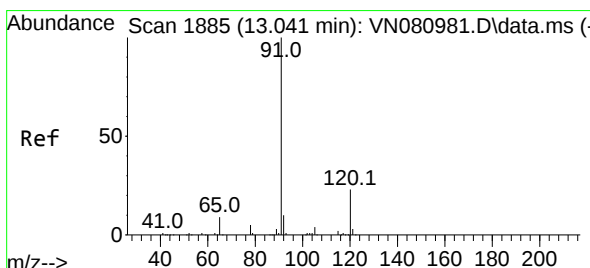
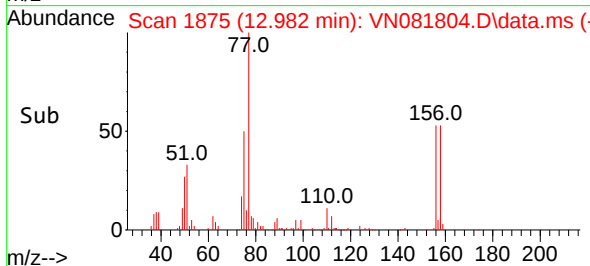
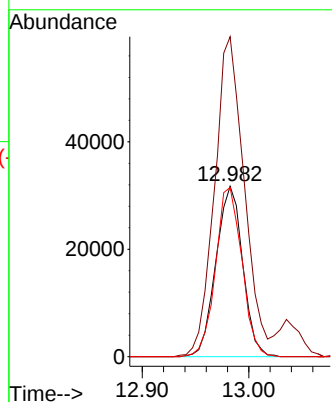
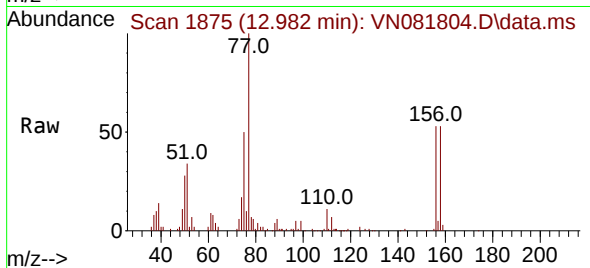
Tgt Ion:	156	Resp:	55324
Ion Ratio	Lower	Upper	
156	100		
77	207.9	0.0	437.6
158	97.7	0.0	203.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#74

n-propylbenzene

Concen: 18.373 ug/l

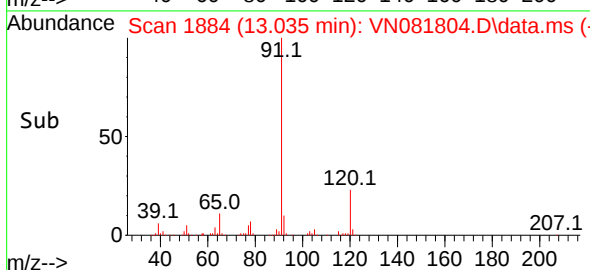
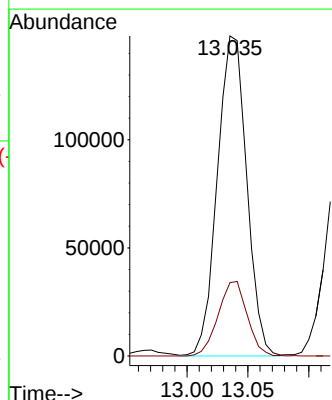
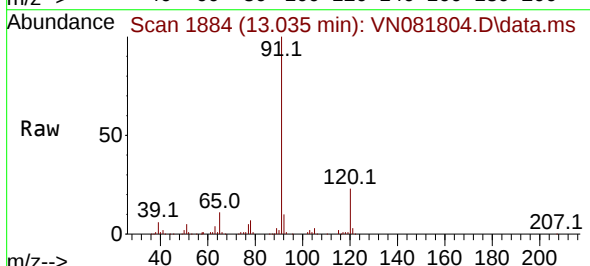
RT: 13.035 min Scan# 1884

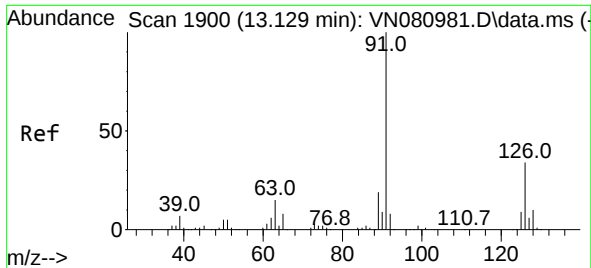
Delta R.T. 0.000 min

Lab File: VN081804.D

Acq: 19 Apr 2024 12:50

Tgt Ion:	91	Resp:	248376
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	43.8





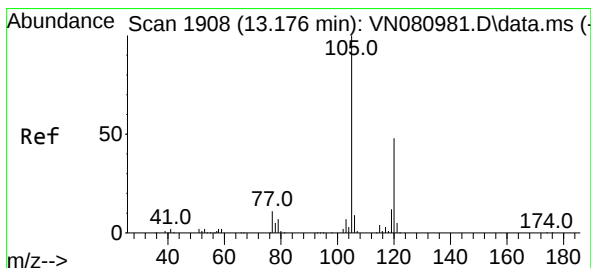
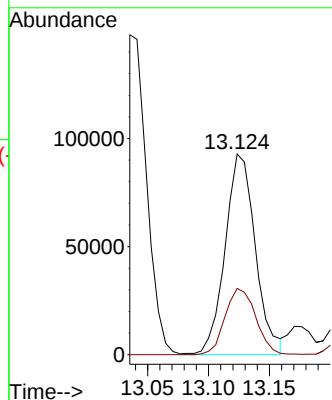
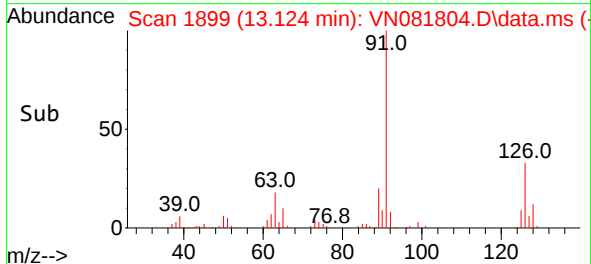
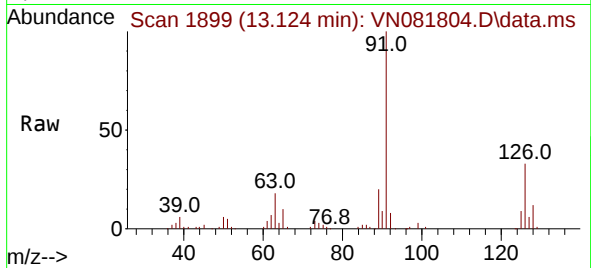
#75
2-Chlorotoluene
Concen: 19.982 ug/l
RT: 13.124 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tgt Ion: 91 Resp: 160930
Ion Ratio Lower Upper
91 100
126 33.4 0.0 61.2

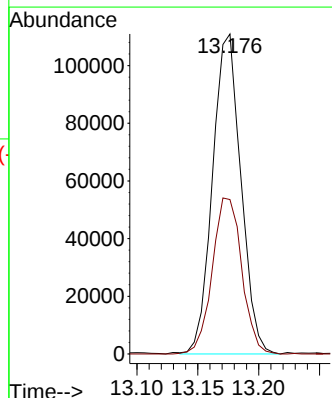
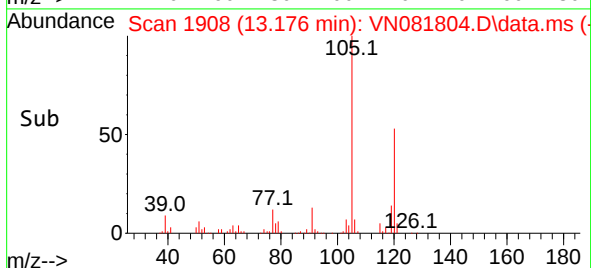
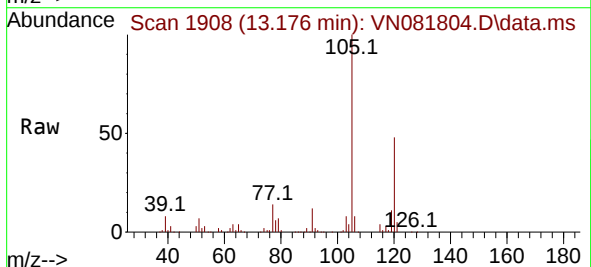
Manual Integrations
APPROVED

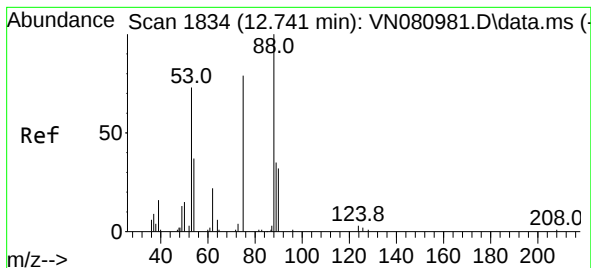
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#76
1,3,5-Trimethylbenzene
Concen: 18.733 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

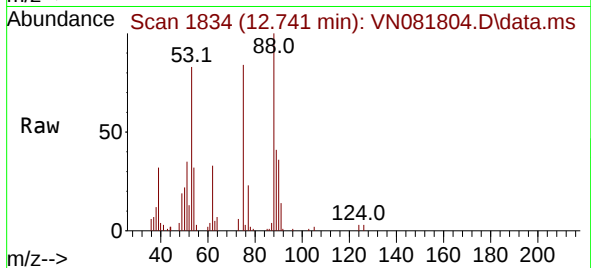
Tgt Ion:105 Resp: 179569
Ion Ratio Lower Upper
105 100
120 50.7 0.0 95.8





#77
t-1,4-Dichloro-2-butene
Concen: 20.904 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

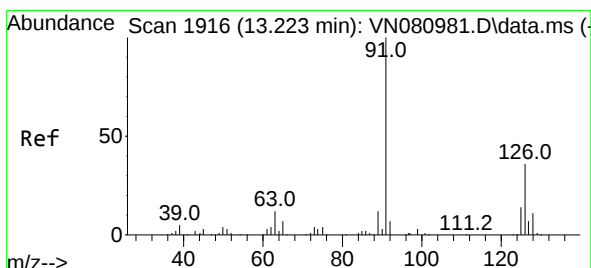
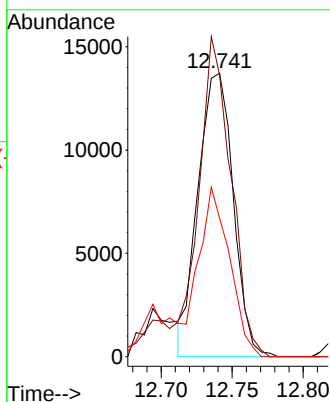
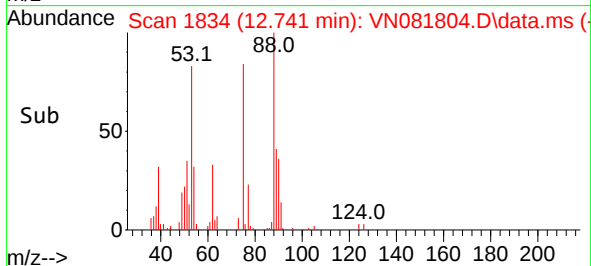
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion: 75 Resp: 23644
Ion Ratio Lower Upper
75 100
53 99.3 45.9 137.7
89 48.8 25.9 77.7

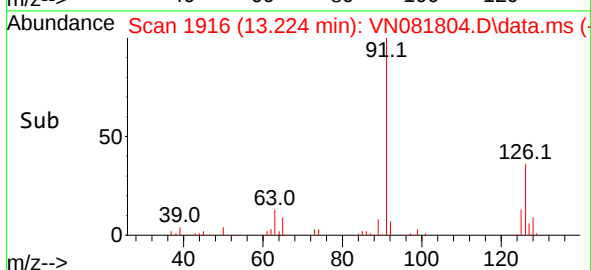
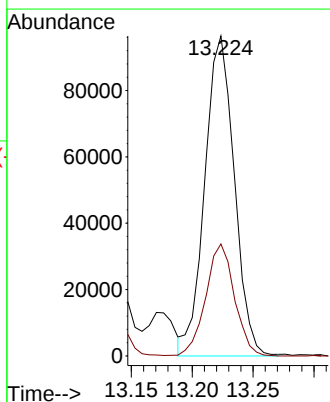
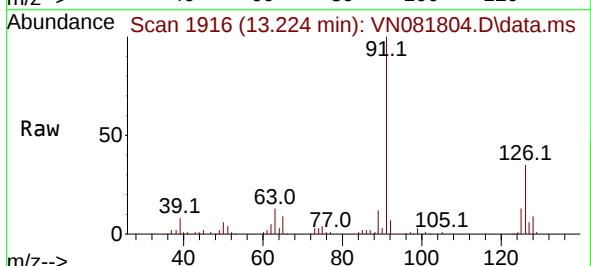
Manual Integrations
APPROVED

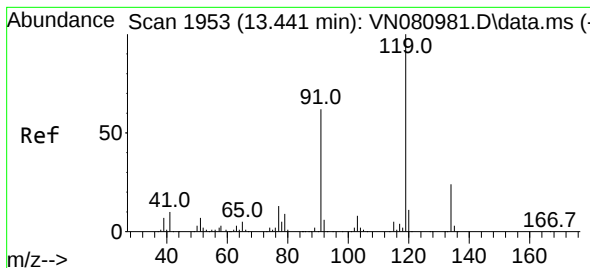
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#78
4-Chlorotoluene
Concen: 20.365 ug/l
RT: 13.224 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion: 91 Resp: 162675
Ion Ratio Lower Upper
91 100
126 34.1 0.0 62.8





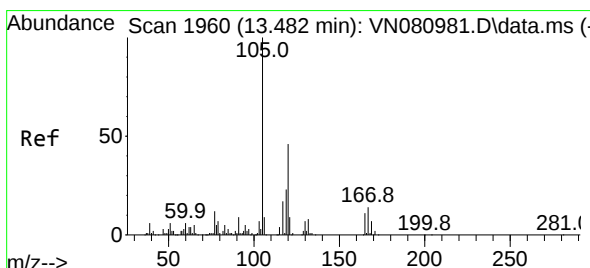
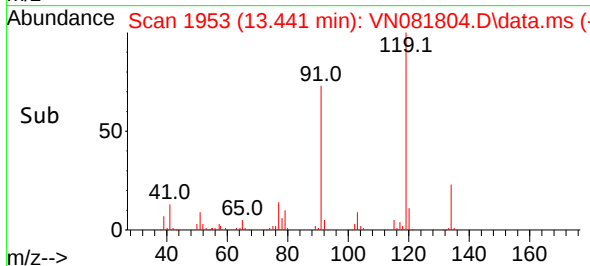
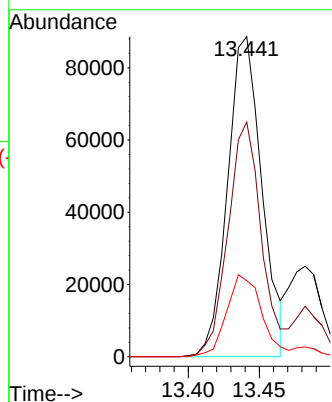
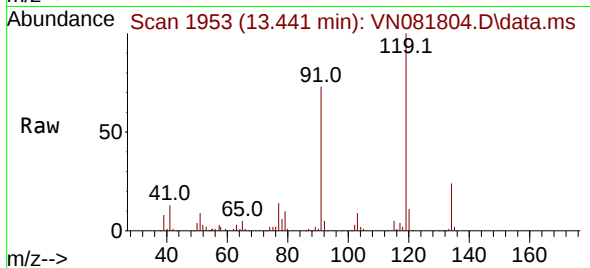
#79
tert-butylbenzene
Concen: 18.291 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tgt Ion:119 Resp: 149165
Ion Ratio Lower Upper
119 100
91 70.6 0.0 138.8
134 26.1 0.0 48.6

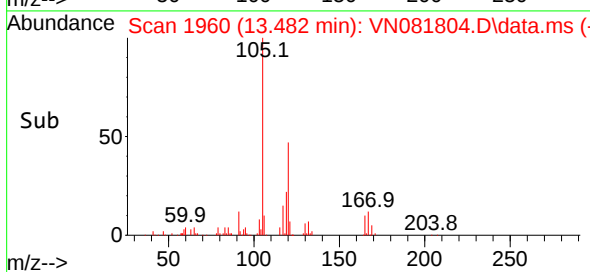
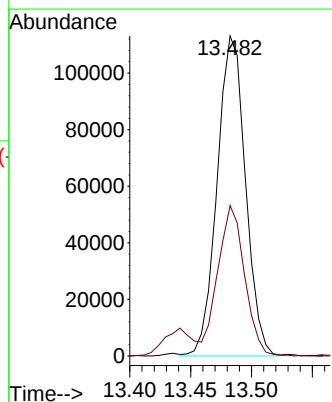
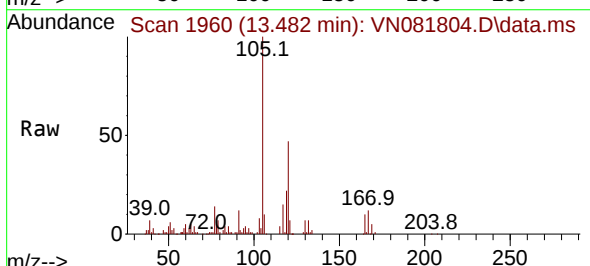
Manual Integrations
APPROVED

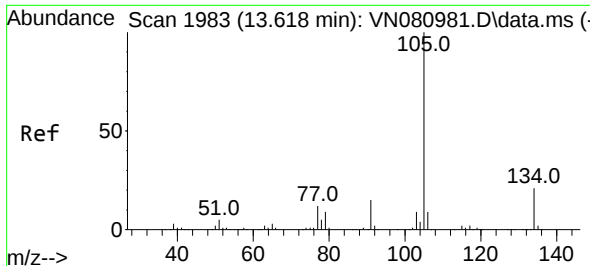
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#80
1,2,4-Trimethylbenzene
Concen: 19.160 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

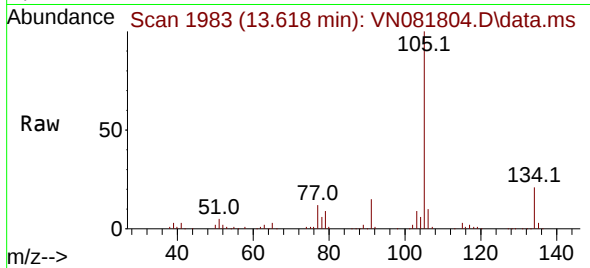
Tgt Ion:105 Resp: 183165
Ion Ratio Lower Upper
105 100
120 44.2 0.0 86.8





#81
 sec-Butylbenzene
 Concen: 18.005 ug/l
 RT: 13.618 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN081804.D
 Acq: 19 Apr 2024 12:50

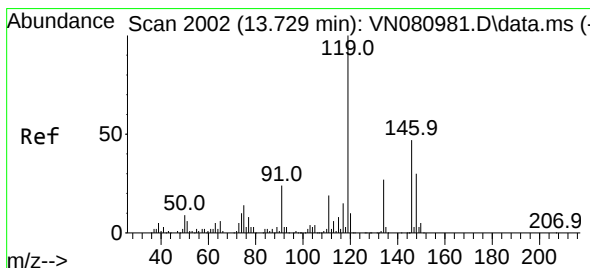
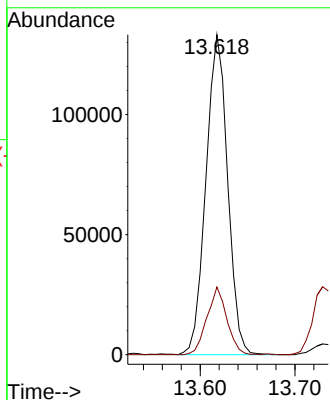
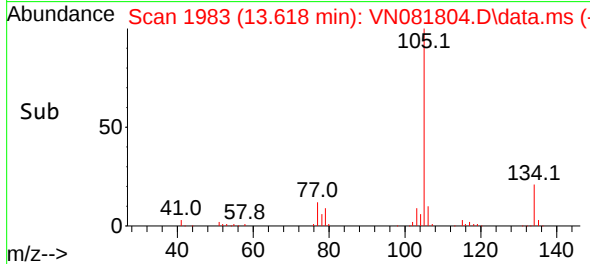
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD01



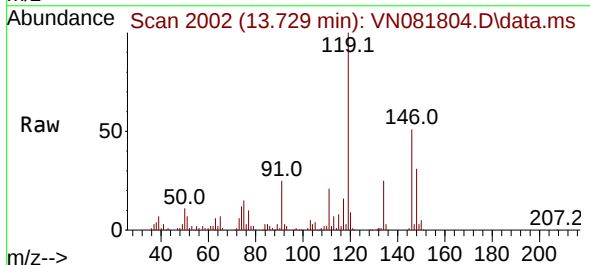
Tgt Ion:105 Resp: 21176
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 39.0

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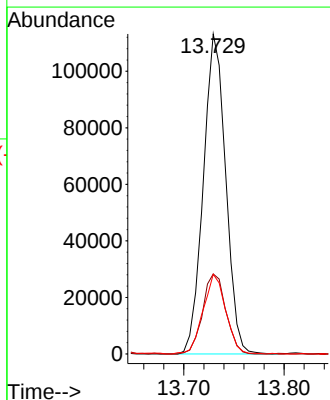
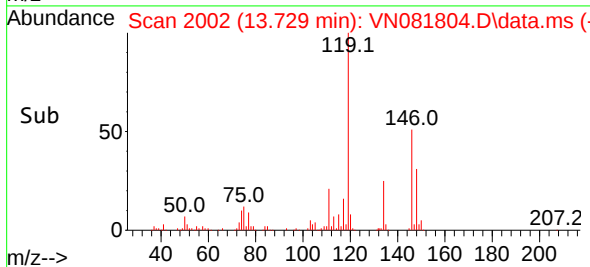
Reviewed By :John Carlone 04/22/2024
 Supervised By :Mahesh Dadoda 04/22/2024

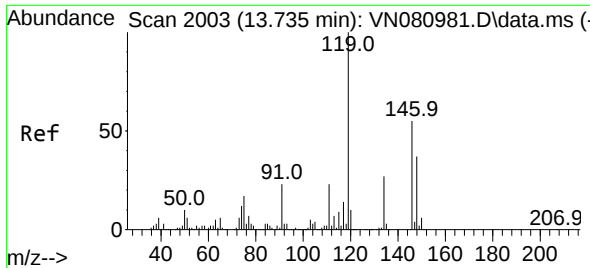


#82
 p-Isopropyltoluene
 Concen: 17.821 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN081804.D
 Acq: 19 Apr 2024 12:50



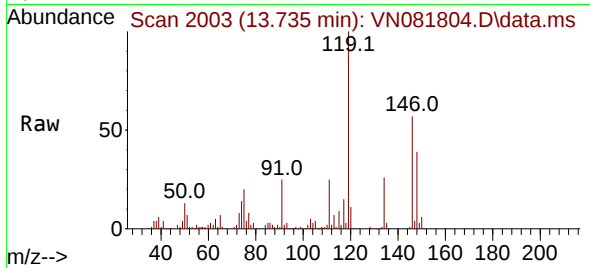
Tgt Ion:119 Resp: 175775
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 49.2
 91 25.2 0.0 48.8





#83
1,3-Dichlorobenzene
Concen: 19.397 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

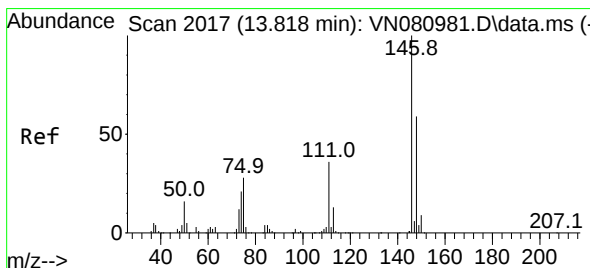
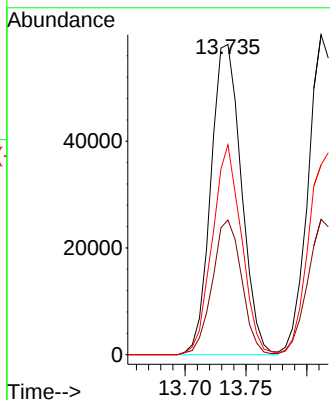
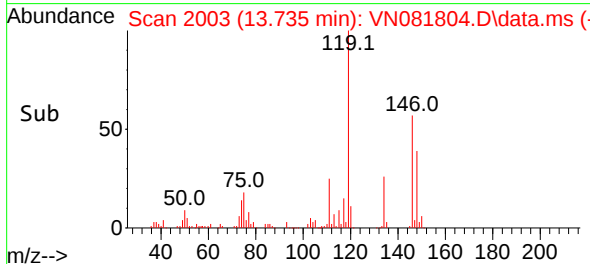
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



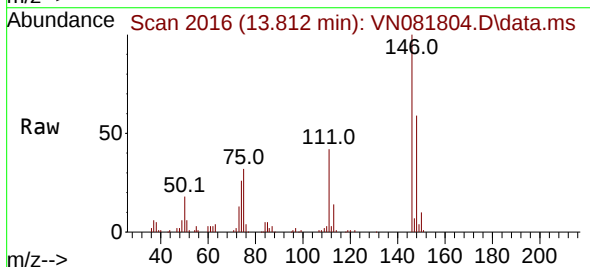
Tgt Ion:146 Resp: 10144
Ion Ratio Lower Upper
146 100
111 41.7 22.4 67.0
148 64.6 32.1 96.5

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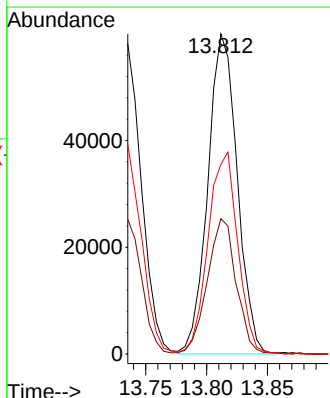
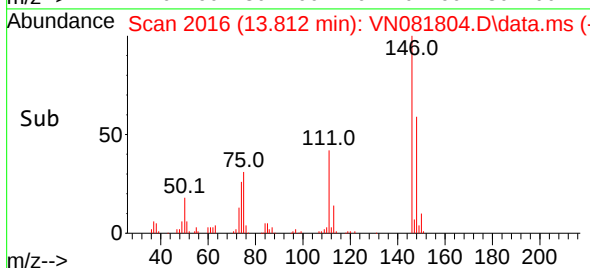
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

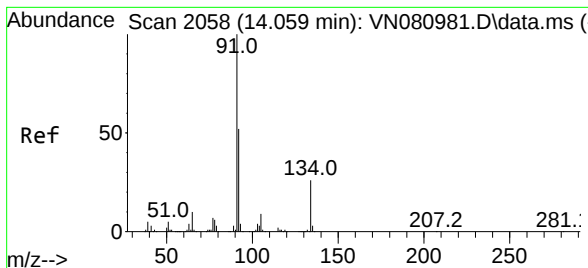


#84
1,4-Dichlorobenzene
Concen: 19.944 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50



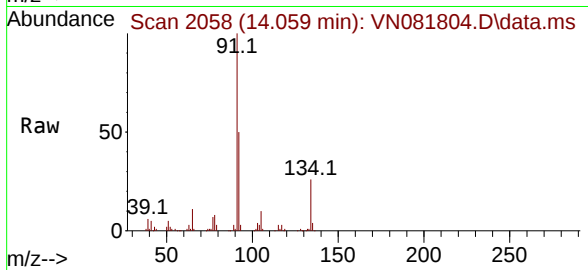
Tgt Ion:146 Resp: 100967
Ion Ratio Lower Upper
146 100
111 41.5 21.3 63.9
148 63.6 31.9 95.5





#85
n-Butylbenzene
Concen: 17.758 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

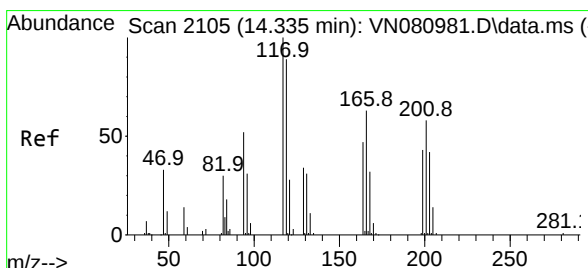
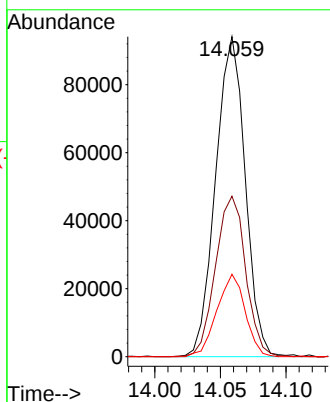
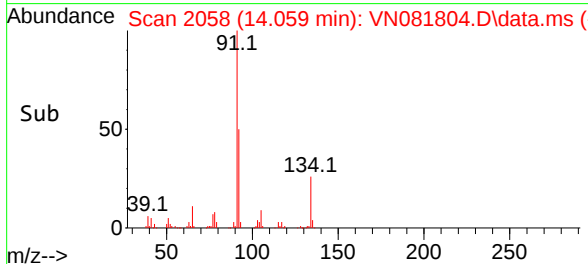
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion: 91 Resp: 147540
Ion Ratio Lower Upper
91 100
92 51.2 0.0 105.0
134 24.6 0.0 51.8

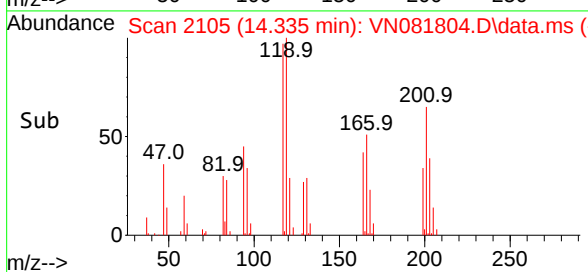
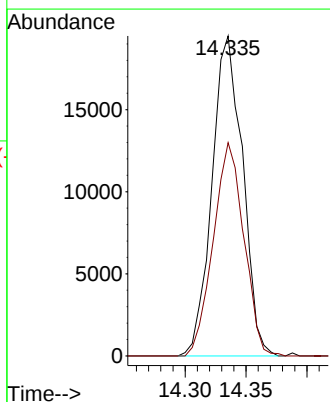
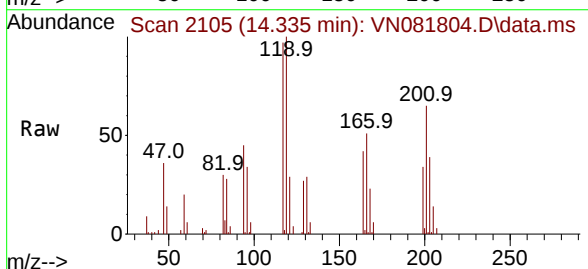
Manual Integrations
APPROVED

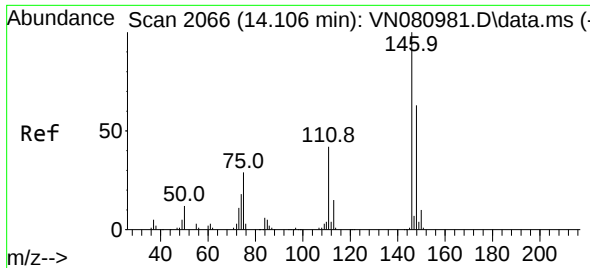
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#86
Hexachloroethane
Concen: 18.080 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

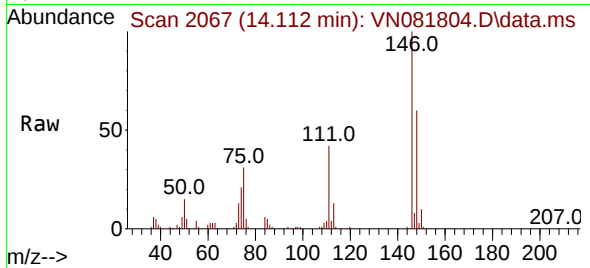
Tgt Ion:117 Resp: 34069
Ion Ratio Lower Upper
117 100
201 66.6 38.0 114.0





#87
1,2-Dichlorobenzene
Concen: 20.198 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

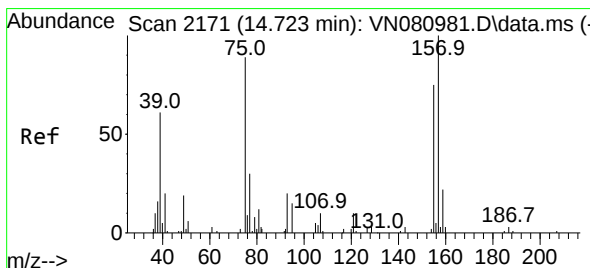
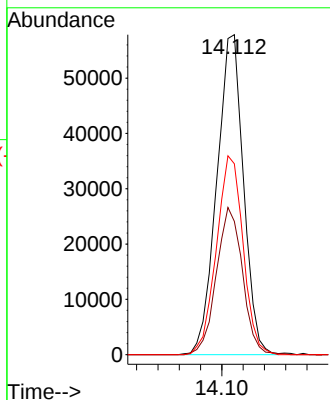
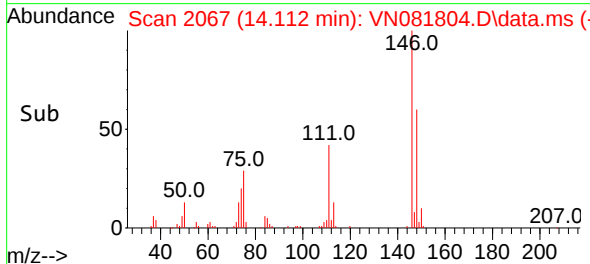
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion:146 Resp: 10054
Ion Ratio Lower Upper
146 100
111 45.0 22.6 67.8
148 62.1 31.3 93.8

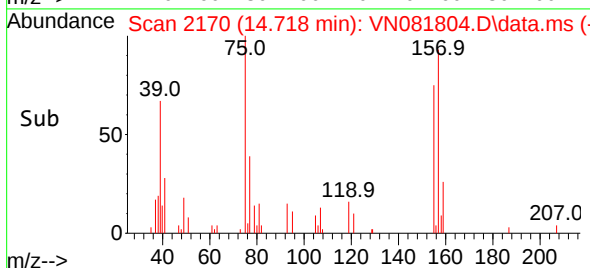
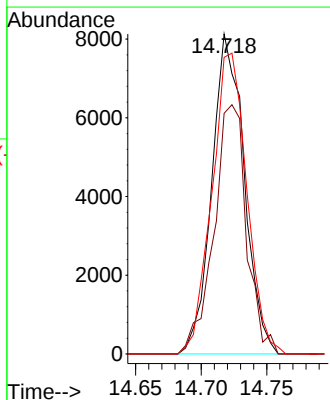
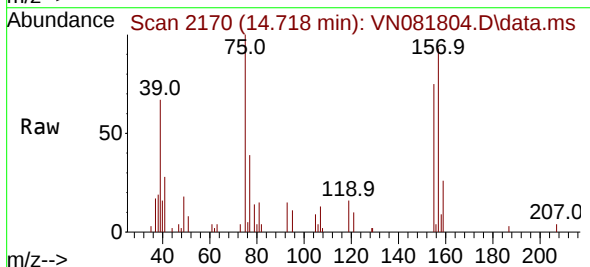
Manual Integrations
APPROVED

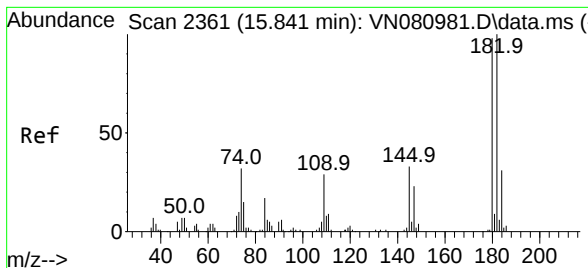
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#88
1,2-Dibromo-3-Chloropropane
Concen: 21.682 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion: 75 Resp: 13944
Ion Ratio Lower Upper
75 100
155 78.3 61.7 92.5
157 101.4 83.6 125.4





#89

1,2,4-Trichlorobenzene

Concen: 20.150 ug/l

RT: 15.841 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN081804.D

Acq: 19 Apr 2024 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

Tgt Ion:180 Resp: 5498

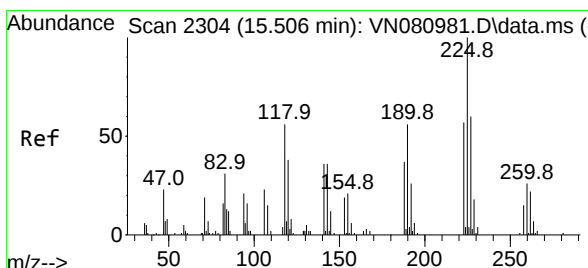
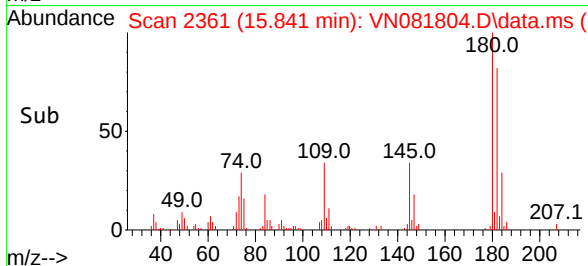
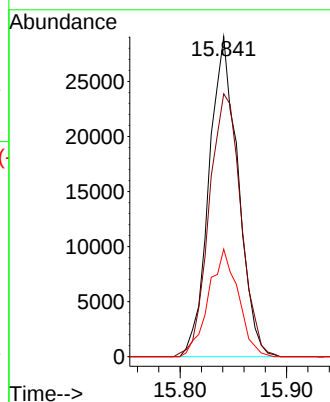
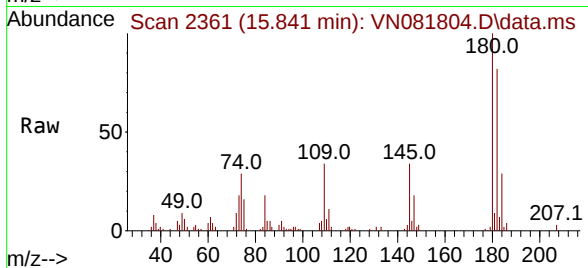
Ion	Ratio	Lower	Upper
180	100		
182	89.9	76.4	114.6
145	34.3	28.4	42.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2024

Supervised By :Mahesh Dadoda 04/22/2024



#90

Hexachlorobutadiene

Concen: 18.327 ug/l

RT: 15.500 min Scan# 2303

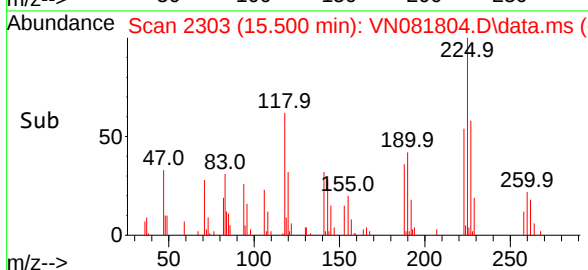
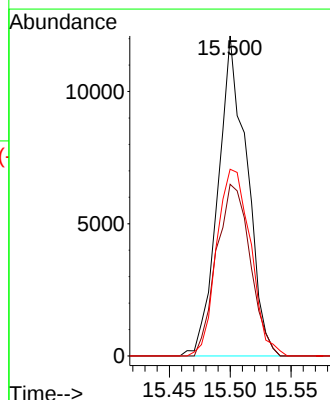
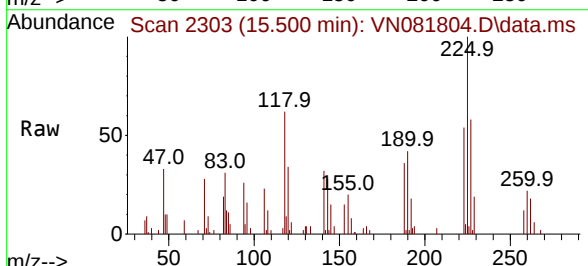
Delta R.T. -0.006 min

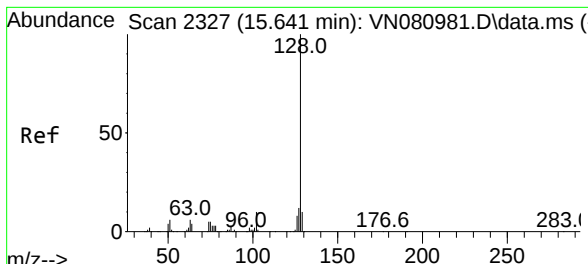
Lab File: VN081804.D

Acq: 19 Apr 2024 12:50

Tgt Ion:225 Resp: 20040

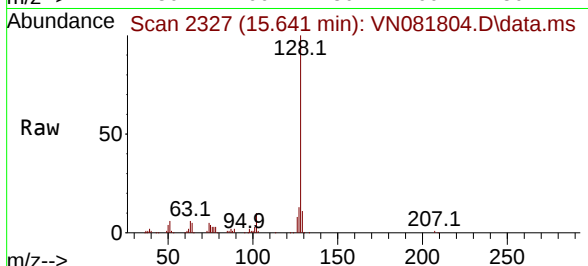
Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	126.6
227	68.3	0.0	126.6





#91
Naphthalene
Concen: 20.159 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

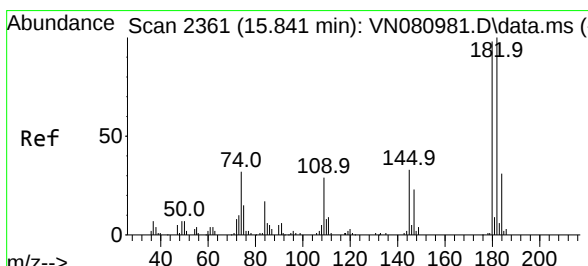
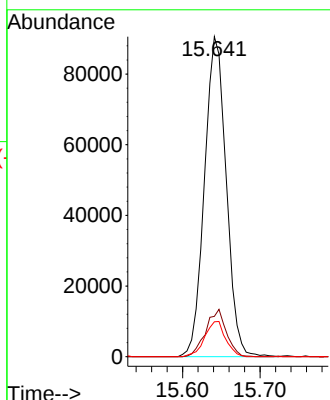
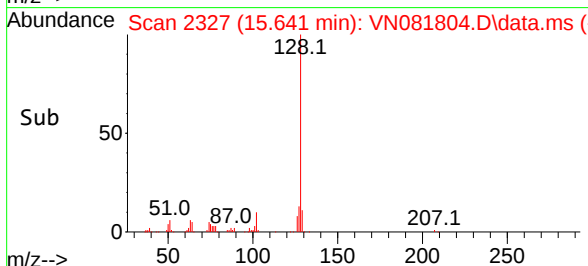
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01



Tgt Ion:128 Resp: 17684
Ion Ratio Lower Upper
128 100
127 14.0 10.6 16.0
129 10.6 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: 20.150 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN081804.D
Acq: 19 Apr 2024 12:50

Tgt Ion:180 Resp: 54981
Ion Ratio Lower Upper
180 100
182 89.9 0.0 191.0
145 34.3 0.0 71.0

