

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079583.D
 Acq On : 17 Oct 2023 15:57
 Operator : JC\MD
 Sample : 04909-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LCOL-12

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/18/2023
 Supervised By : Mahesh Dadoda 10/20/2023

Quant Time: Oct 18 02:31:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	23108	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	163253	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	191389	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	95672	29.120	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.067%		
60) 4-Bromofluorobenzene	12.853	95	85766	24.505	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	81.667%		
63) Toluene-d8	10.571	98	248298	30.276	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.933%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	4121m	1.230	ug/l	
6) Chloroethane	3.124	64	5852	1.774	ug/l	94
15) Acetone	4.430	58	173941	305.472	ug/l	84
16) Carbon Disulfide	4.712	76	29154	3.071	ug/l	99
18) Methylene Chloride	5.277	84	11781	3.074	ug/l	94
22) cis-1,2-Dichloroethene	7.494	96	18566m	4.628	ug/l	
23) tert-Butyl Alcohol	5.524	59	201337	334.963	ug/l #	100
30) 2-Butanone	7.488	43	241663	101.054	ug/l	100
34) Benzene	8.612	78	24904	1.718	ug/l #	78
36) 1,2-Dichloroethane	8.677	62	49535	9.571	ug/l	99
37) Trichloroethene	9.359	130	7548	2.228	ug/l	94
58) 4-Methyl-2-Pentanone	10.453	43	74870	16.772	ug/l	98
62) Toluene	10.635	91	66603	4.553	ug/l	99
67) m/p-Xylenes	12.076	106	10364	1.859	ug/l	90
68) o-Xylene	12.400	106	9396	1.763	ug/l	99

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

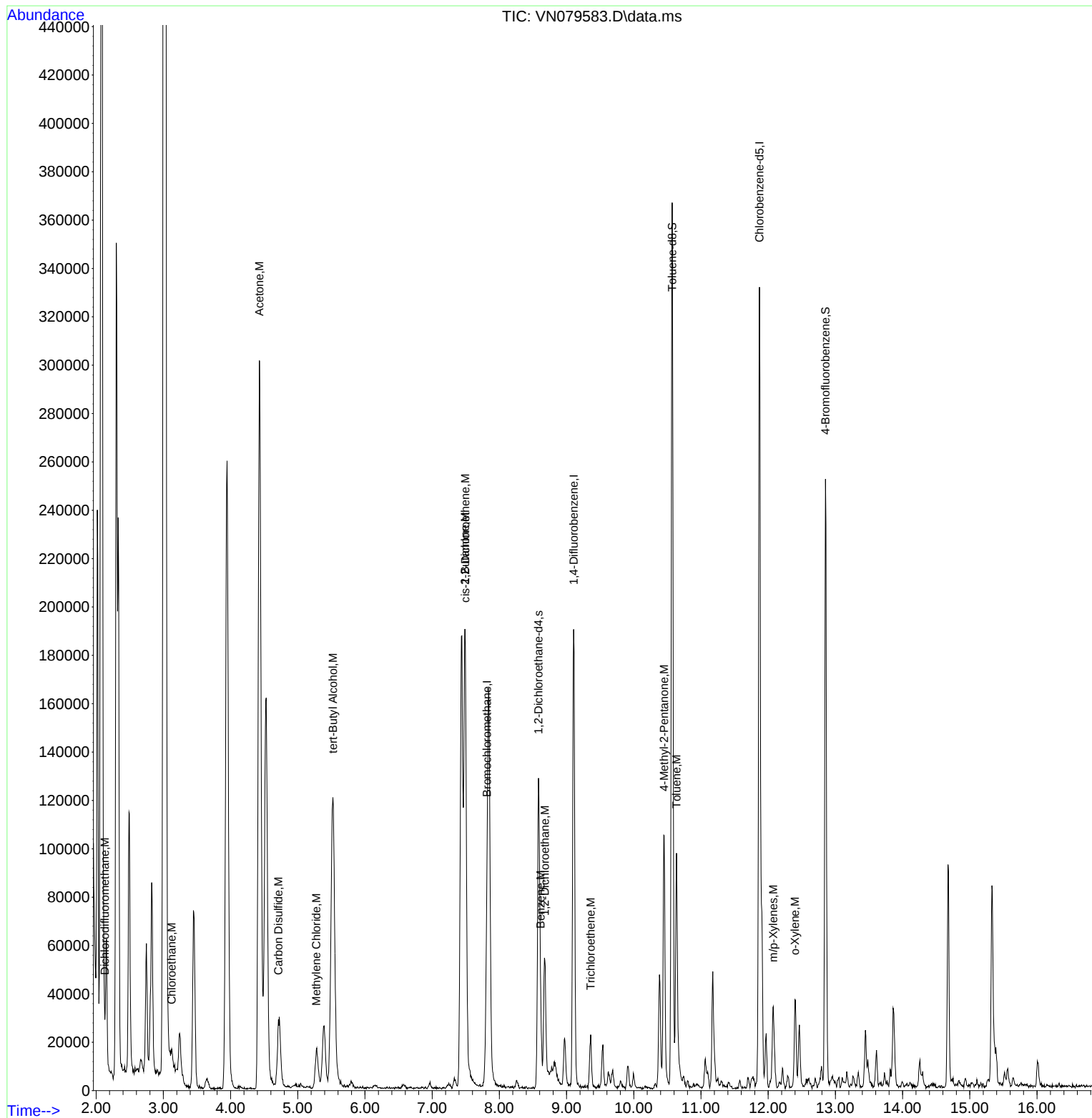
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
Data File : VN079583.D
Acq On : 17 Oct 2023 15:57
Operator : JC\MD
Sample : 04909-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

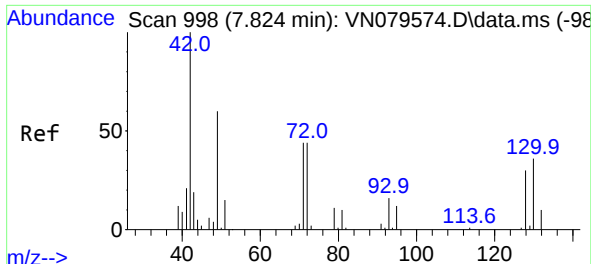
Instrument :
MSVOA_N
ClientSampleId :
LCOL-12

Quant Time: Oct 18 02:31:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration

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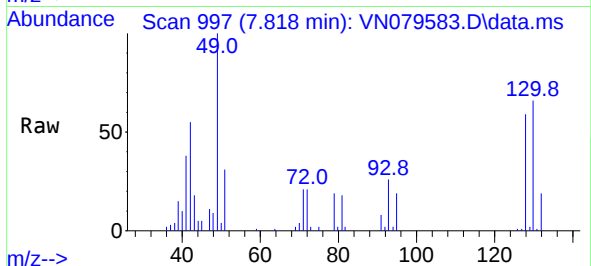
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

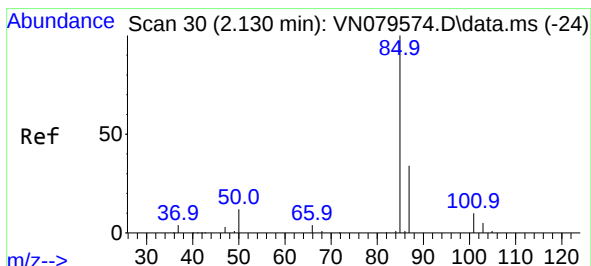
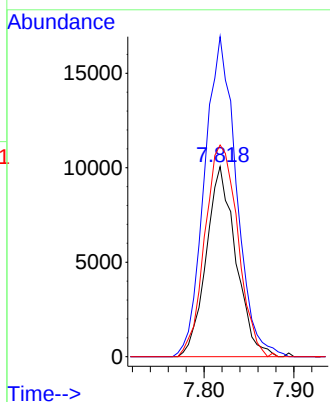
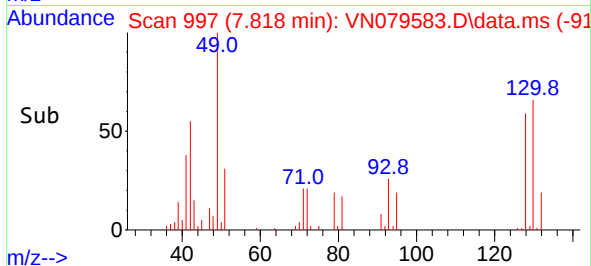
Instrument :
MSVOA_N
ClientSampleId :
LCOL-12



Tgt Ion:128 Resp: 2310
Ion Ratio Lower Upper
128 100
49 180.8 0.0 468.5
130 123.5 0.0 320.7

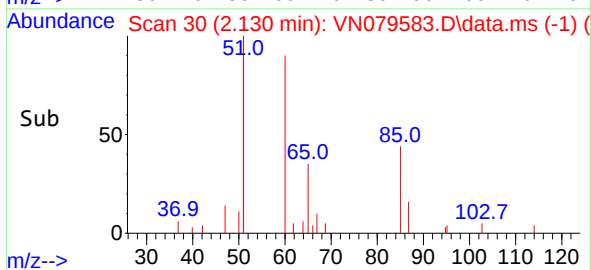
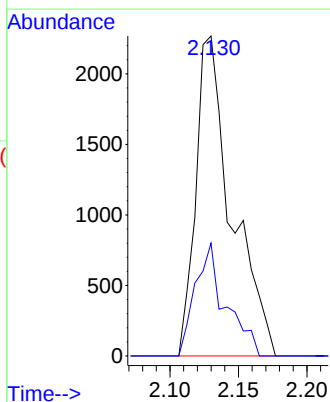
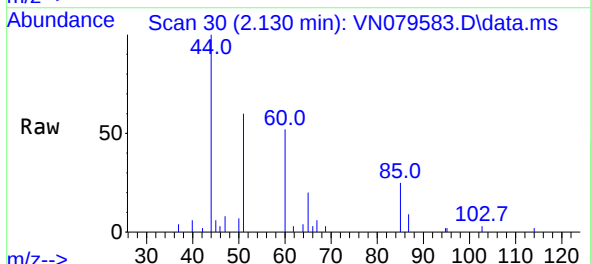
Manual Integrations
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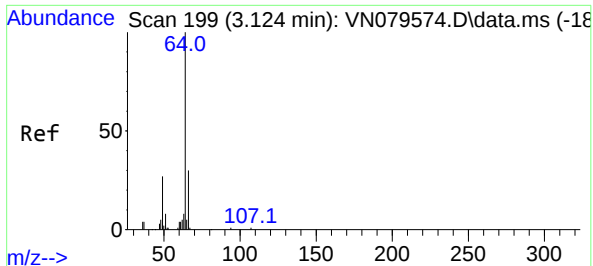
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#2
Dichlorodifluoromethane
Concen: 1.230 ug/l m
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

Tgt Ion: 85 Resp: 4121
Ion Ratio Lower Upper
85 100
87 35.3 15.6 46.7





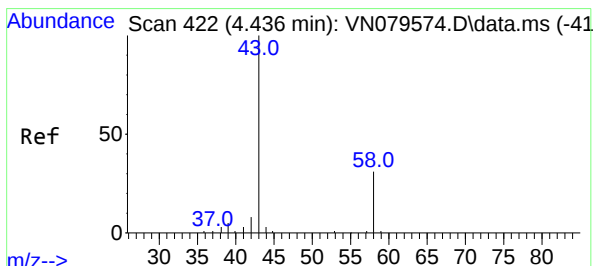
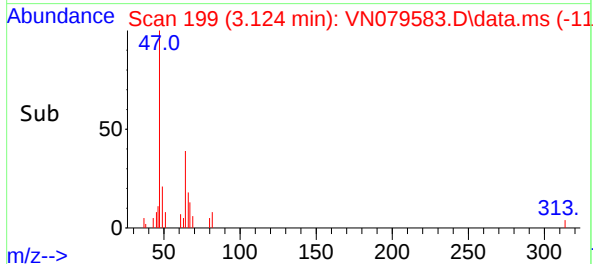
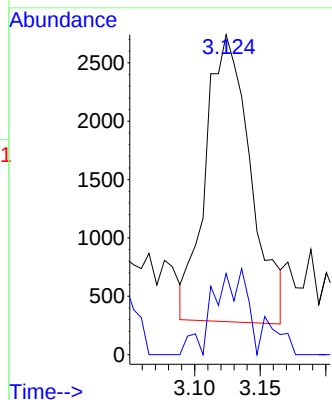
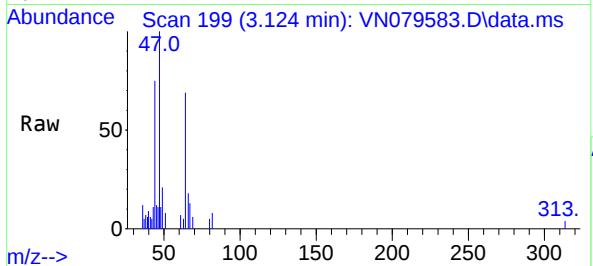
#6
Chloroethane
Concen: 1.774 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

Instrument :
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ClientSampleId :
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Tgt Ion: 64 Resp: 5852
Ion Ratio Lower Upper
64 100
66 32.4 23.3 34.9

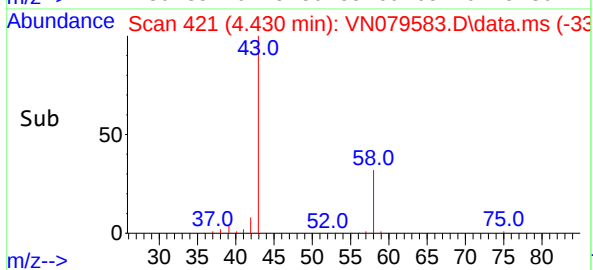
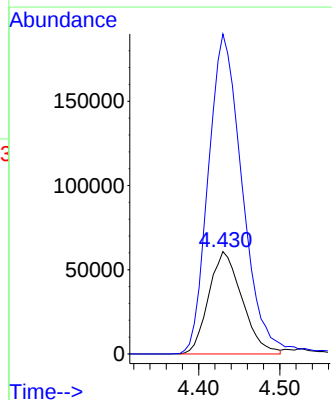
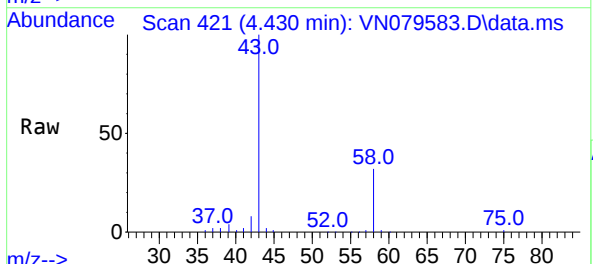
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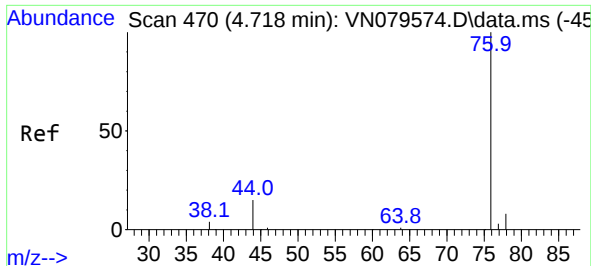
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#15
Acetone
Concen: 305.472 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.006 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

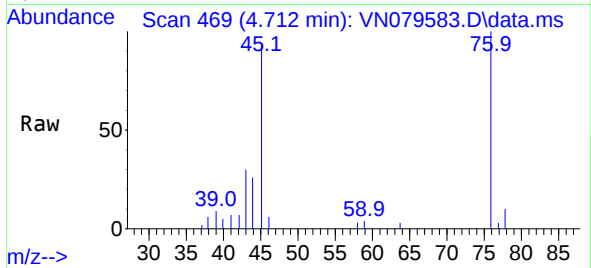
Tgt Ion: 58 Resp: 173941
Ion Ratio Lower Upper
58 100
43 311.8 225.2 337.8





#16
Carbon Disulfide
Concen: 3.071 ug/l
RT: 4.712 min Scan# 40
Delta R.T. -0.006 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

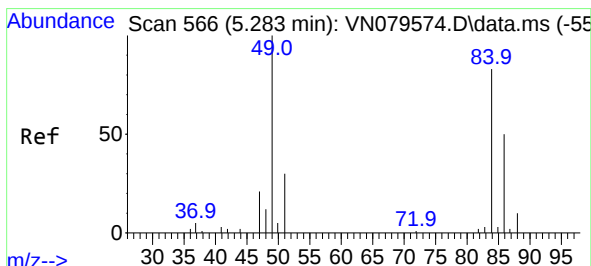
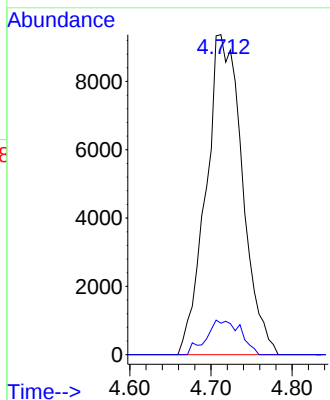
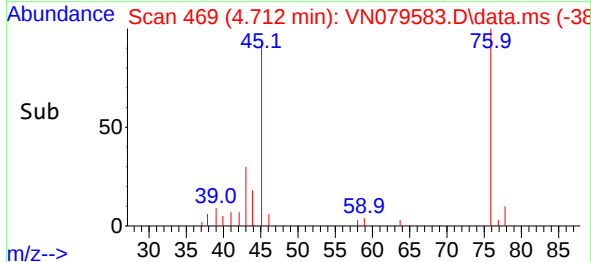
Instrument :
MSVOA_N
ClientSampleId :
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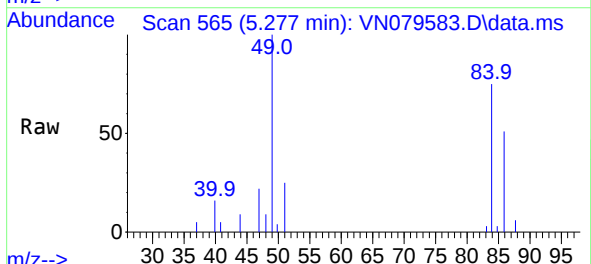
Tgt Ion: 76 Resp: 29154
Ion Ratio Lower Upper
76 100
78 9.8 7.5 11.3

Manual Integrations
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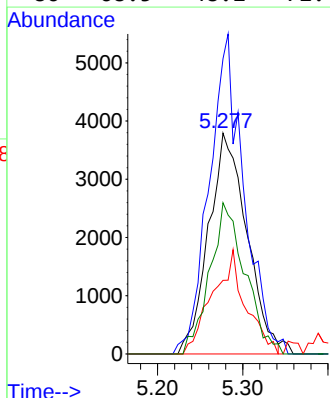
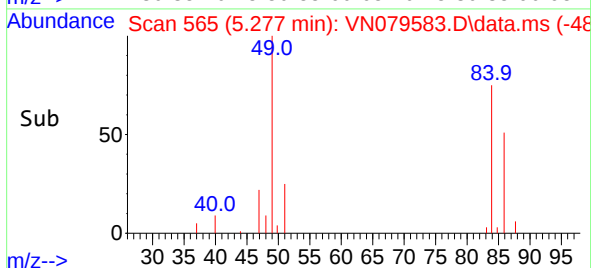
Reviewed By :John Carlone 10/18/2023
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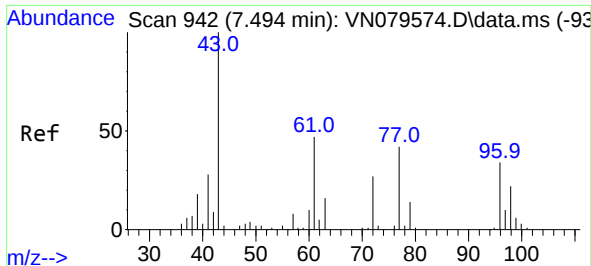


#18
Methylene Chloride
Concen: 3.074 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57



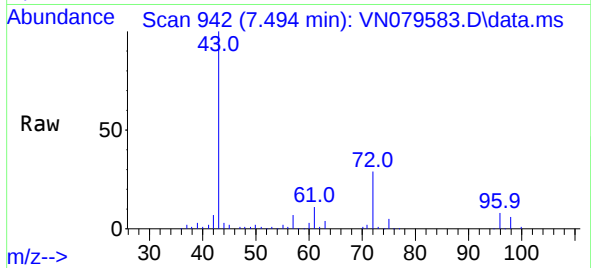
Tgt Ion: 84 Resp: 11781
Ion Ratio Lower Upper
84 100
49 129.5 100.9 151.3
51 33.3 29.4 44.2
86 68.5 48.2 72.4





#22
cis-1,2-Dichloroethene
Concen: 4.628 ug/l m
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

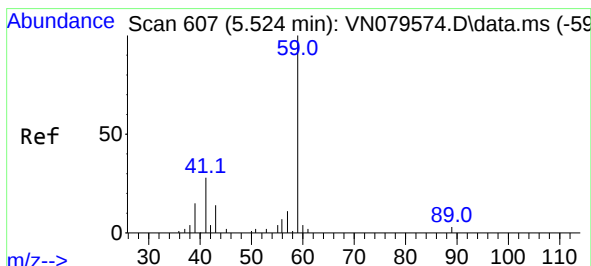
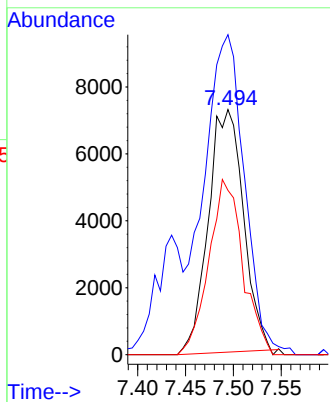
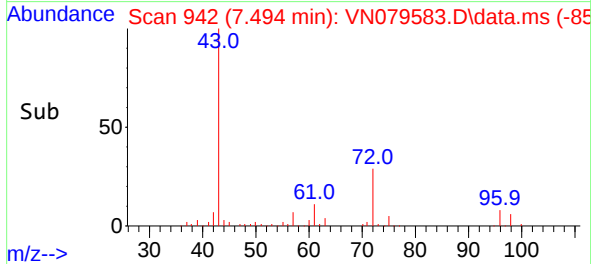
Instrument :
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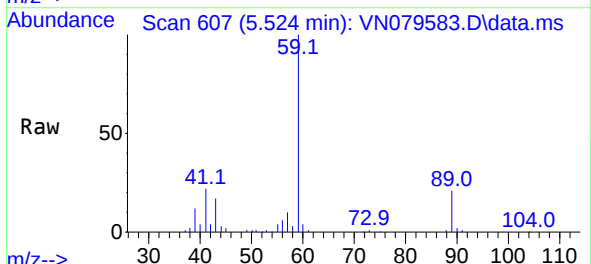
Tgt Ion: 96 Resp: 18560
Ion Ratio Lower Upper
96 100
61 146.1 124.6 186.8
98 69.9 54.2 81.4

Manual Integrations
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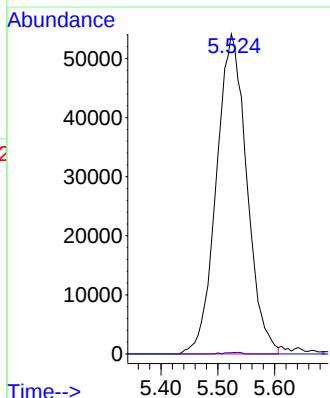
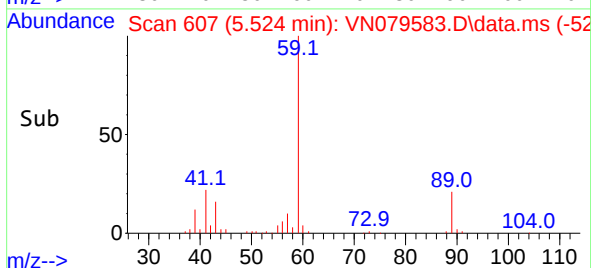
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

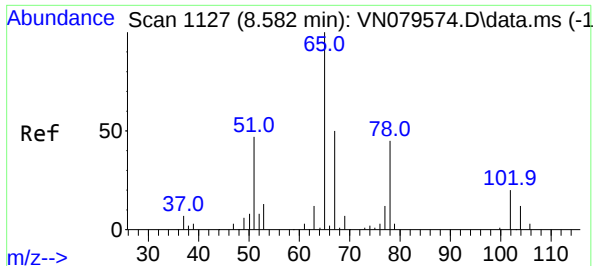


#23
tert-Butyl Alcohol
Concen: 334.963 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57



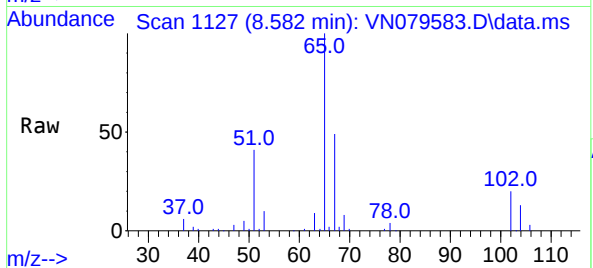
Tgt Ion: 59 Resp: 201337
Ion Ratio Lower Upper
59 100
52 0.2 0.0 0.0#





#27
1,2-Dichloroethane-d4
Concen: 29.120 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

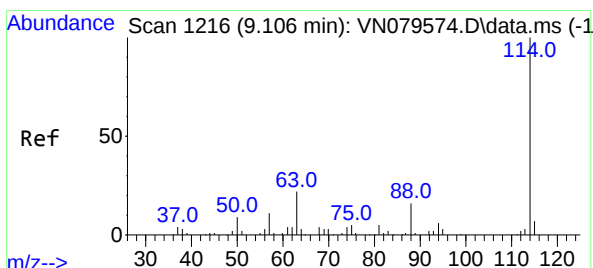
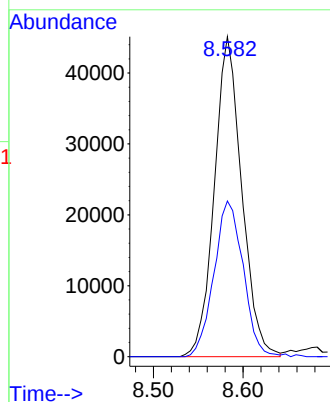
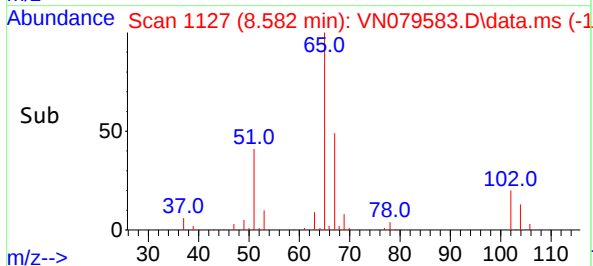
Instrument :
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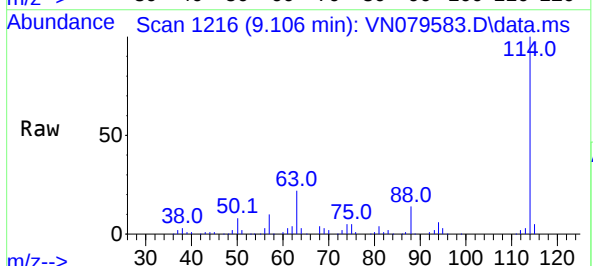
Tgt Ion: 65 Resp: 95672
Ion Ratio Lower Upper
65 100
67 51.7 42.1 63.1

Manual Integrations
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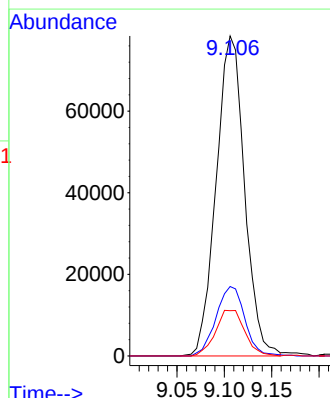
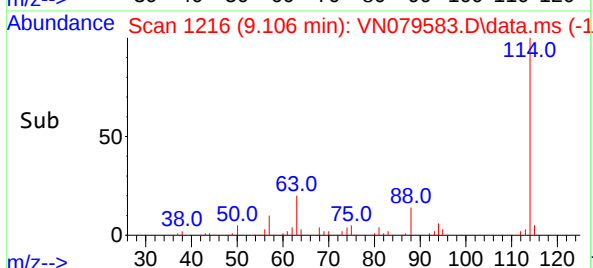
Reviewed By :John Carlone 10/18/2023
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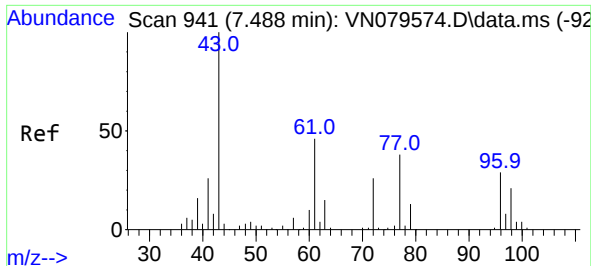


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57



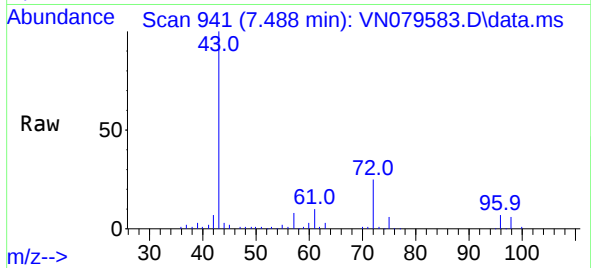
Tgt Ion:114 Resp: 163253
Ion Ratio Lower Upper
114 100
63 22.1 18.1 27.1
88 14.7 12.2 18.2





#30
2-Butanone
Concen: 101.054 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

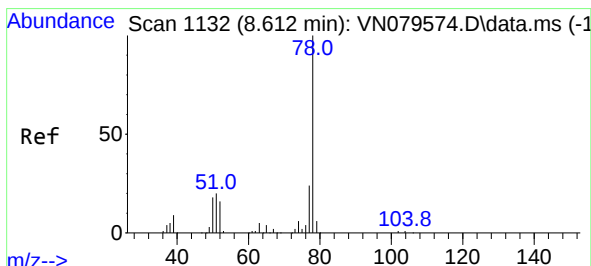
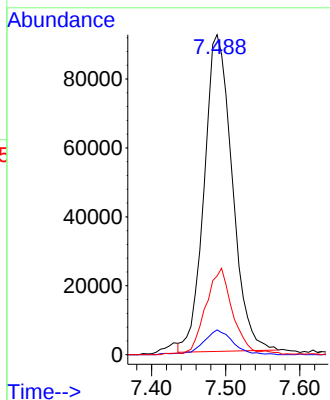
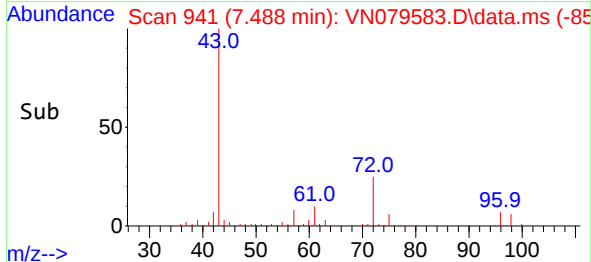
Instrument :
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LCOL-12



Tgt Ion: 43 Resp: 241663
Ion Ratio Lower Upper
43 100
57 7.6 6.4 9.6
72 25.8 20.7 31.1

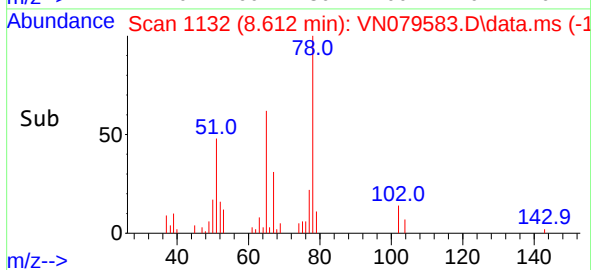
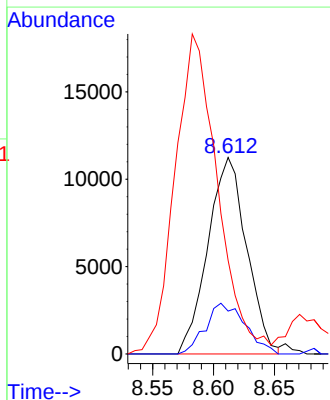
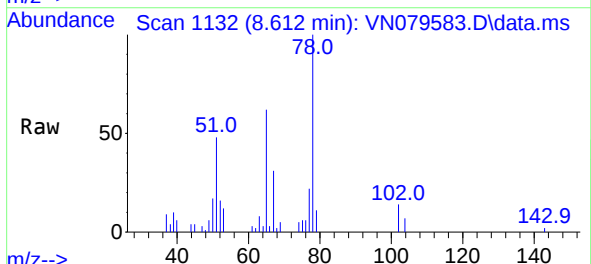
Manual Integrations
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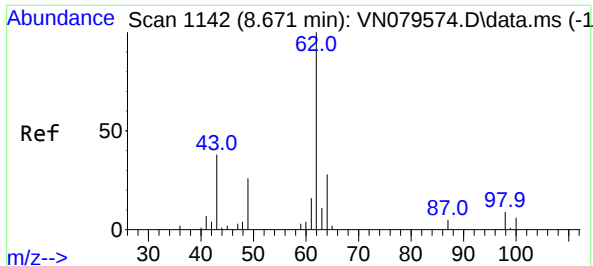
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#34
Benzene
Concen: 1.718 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

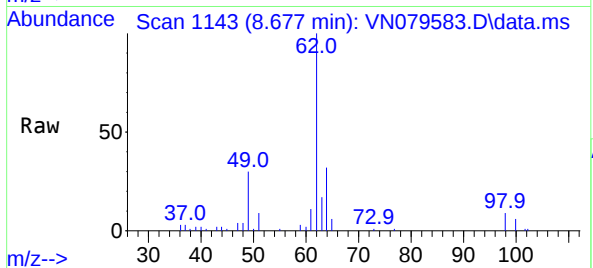
Tgt Ion: 78 Resp: 24904
Ion Ratio Lower Upper
78 100
77 21.8 19.7 29.5
51 39.2 15.8 23.6#





#36
1,2-Dichloroethane
Concen: 9.571 ug/l
RT: 8.677 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

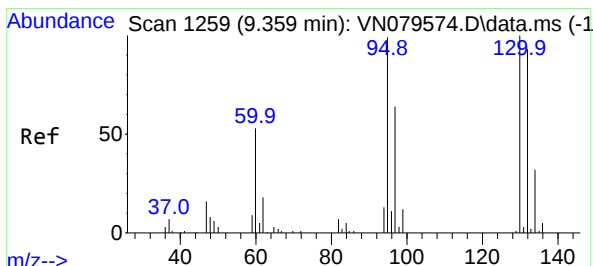
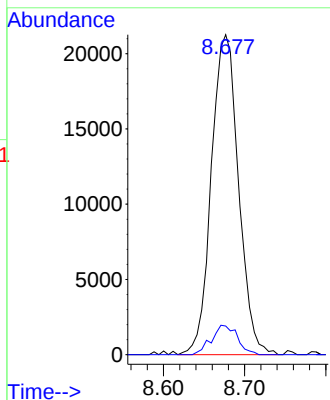
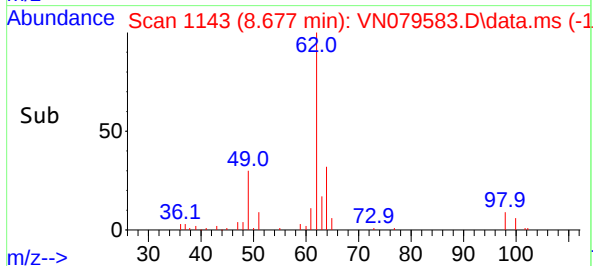
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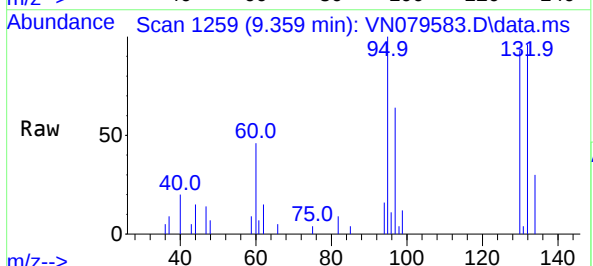
Tgt Ion: 62 Resp: 4953
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8

Manual Integrations
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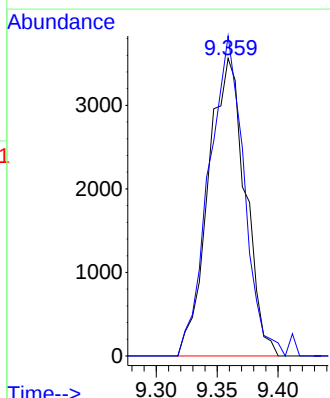
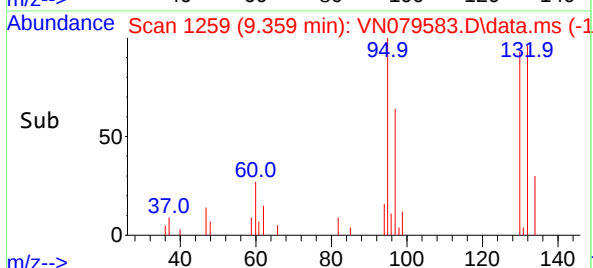
Reviewed By :John Carlone 10/18/2023
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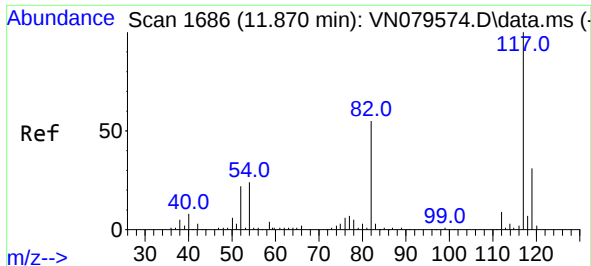


#37
Trichloroethene
Concen: 2.228 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57



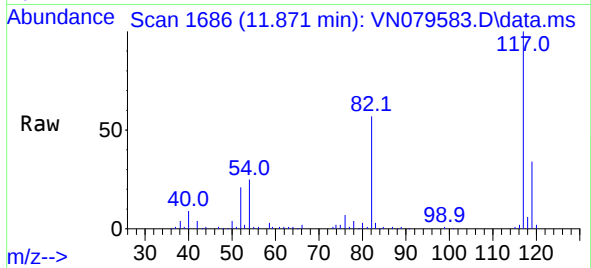
Tgt Ion:130 Resp: 7548
Ion Ratio Lower Upper
130 100
95 107.5 81.2 121.8





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

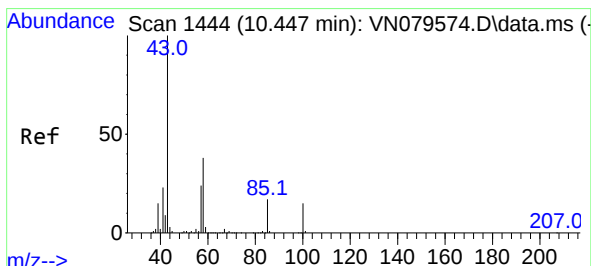
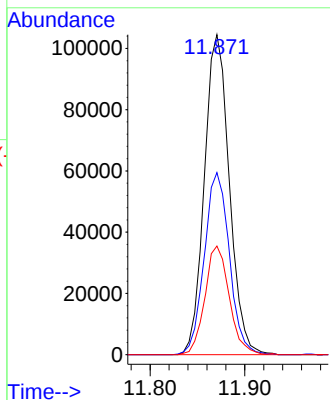
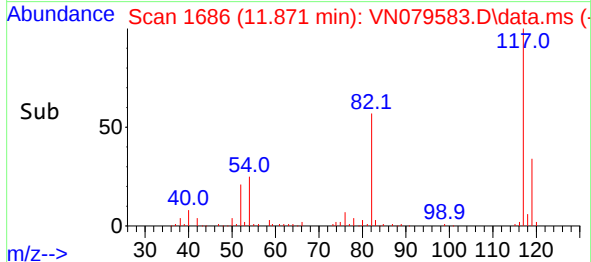
Instrument :
MSVOA_N
ClientSampleId :
LCOL-12



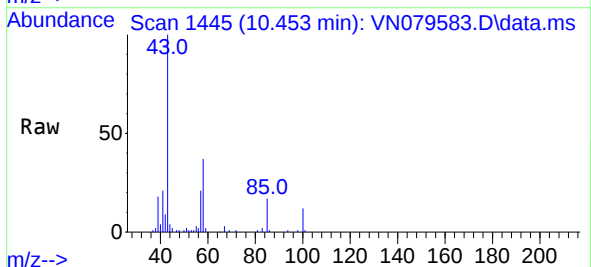
Tgt Ion: 117 Resp: 191389
Ion Ratio Lower Upper
117 100
82 57.2 46.2 69.2
119 33.1 25.2 37.8

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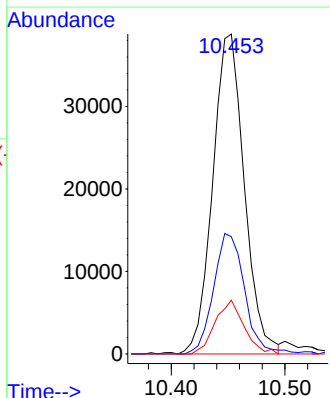
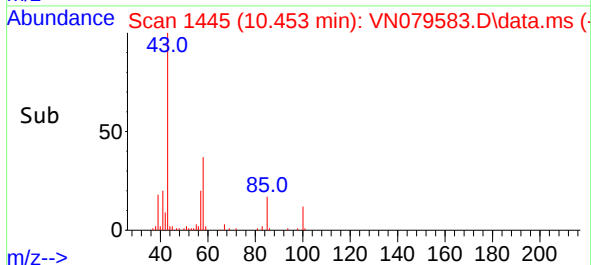
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

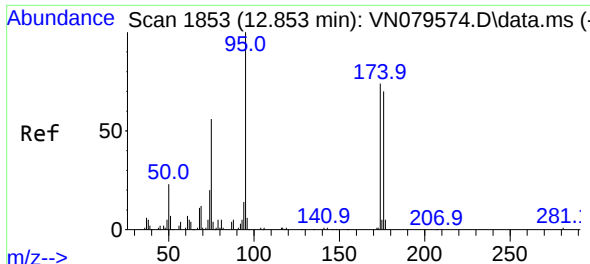


#58
4-Methyl-2-Pentanone
Concen: 16.772 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57



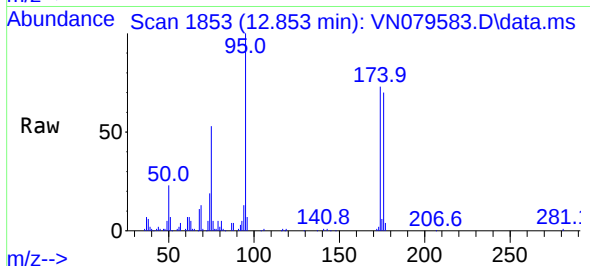
Tgt Ion: 43 Resp: 74870
Ion Ratio Lower Upper
43 100
58 37.0 30.4 45.6
85 15.3 13.2 19.8





#60
4-Bromofluorobenzene
Concen: 24.505 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

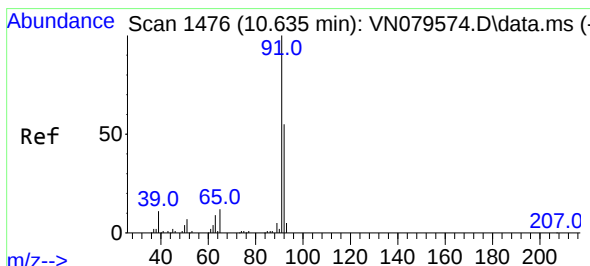
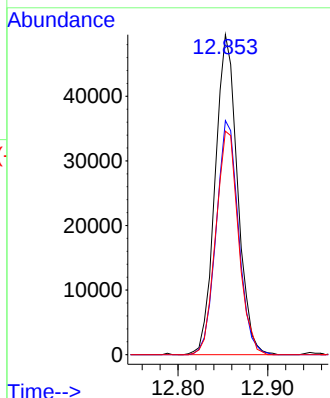
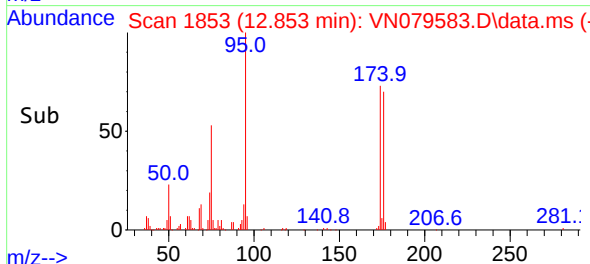
Instrument :
MSVOA_N
ClientSampleId :
LCOL-12



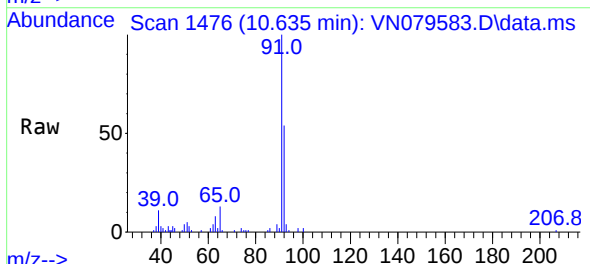
Tgt Ion: 95 Resp: 85760
Ion Ratio Lower Upper
95 100
174 72.7 60.5 90.7
176 70.7 57.2 85.8

Manual Integrations
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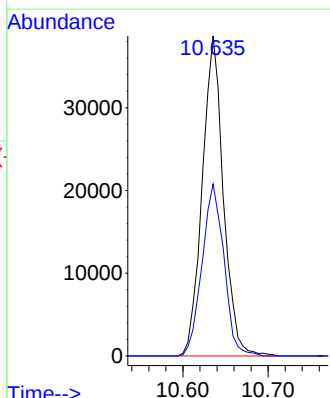
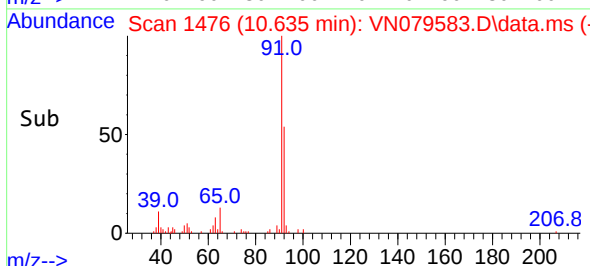
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

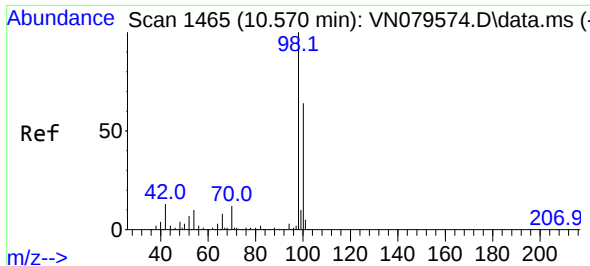


#62
Toluene
Concen: 4.553 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57



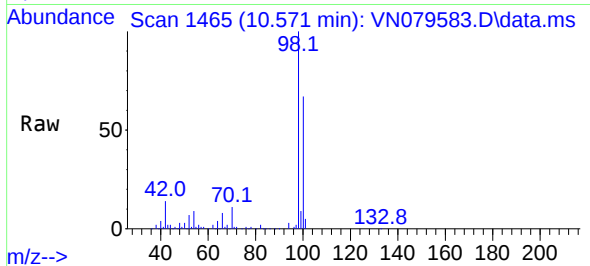
Tgt Ion: 91 Resp: 66603
Ion Ratio Lower Upper
91 100
92 55.6 45.3 67.9





#63
Toluene-d8
Concen: 30.276 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

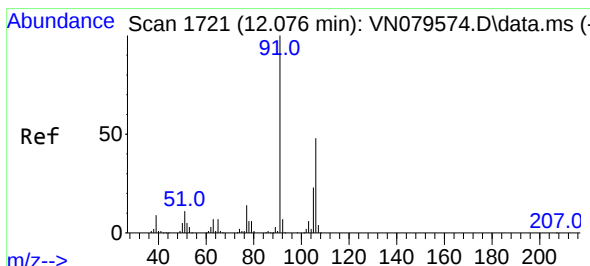
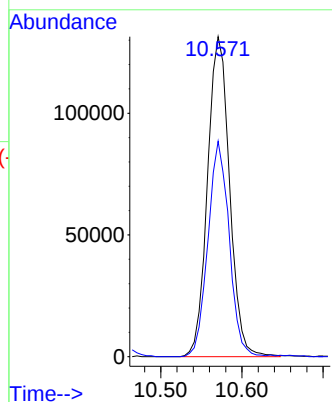
Instrument :
MSVOA_N
ClientSampleId :
LCOL-12



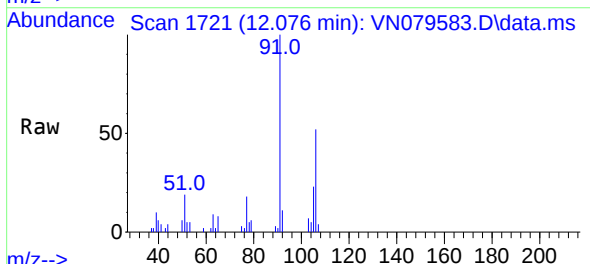
Tgt Ion: 98 Resp: 248298
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4

Manual Integrations
APPROVED

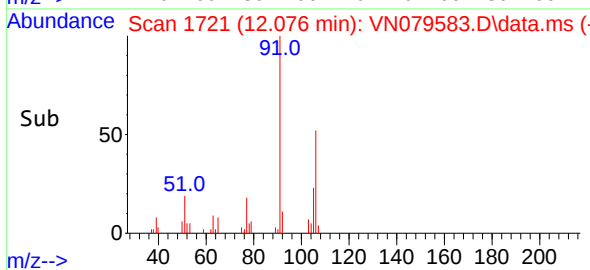
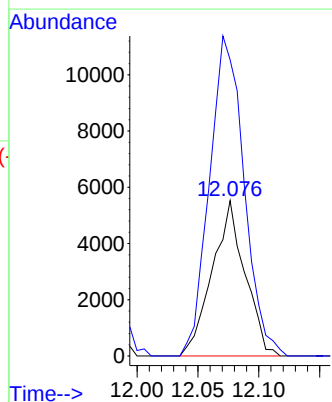
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

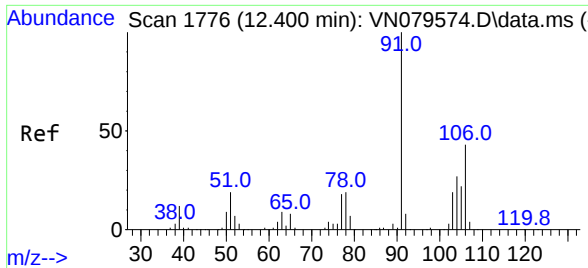


#67
m/p-Xylenes
Concen: 1.859 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57



Tgt Ion:106 Resp: 10364
Ion Ratio Lower Upper
106 100
91 217.2 161.8 242.6





#68
o-Xylene
Concen: 1.763 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079583.D
Acq: 17 Oct 2023 15:57

Instrument :
MSVOA_N
ClientSampleId :
LCOL-12

Tgt Ion:106 Resp: 9390
Ion Ratio Lower Upper
106 100
91 221.1 109.9 329.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

