

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052322\
 Data File : VU048654.D
 Acq On : 23 May 2022 15:45
 Operator : SY/MD
 Sample : N2929-02MEMS
 Misc : 8.37g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBTF7MEMS

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2022
 Supervised By : Mahesh Dadoda 05/25/2022

Quant Time: May 24 02:54:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 24 02:53:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	241597	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	244487	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	158960	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	52411	35.419	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	70.840%		
7) Chloroethane-d5	1.871	69	51043m	46.042	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.080%		
11) 1,1-Dichloroethene-d2	2.533	63	134191	40.098	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.200%		
21) 2-Butanone-d5	4.633	46	141119	100.214	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.210%		
24) Chloroform-d	5.060	84	179131	47.904	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.800%		
26) 1,2-Dichloroethane-d4	5.700	65	125844	47.703	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.400%		
32) Benzene-d6	5.723	84	290116	42.637	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.280%		
36) 1,2-Dichloropropane-d6	6.690	67	88541	44.325	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.660%		
41) Toluene-d8	7.899	98	283235	44.255	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.500%		
43) trans-1,3-Dichloroprop...	8.182	79	57336	44.887	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.780%		
47) 2-Hexanone-d5	8.652	63	113772	103.857	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.860%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	169765	51.361	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.720%		
66) 1,2-Dichlorobenzene-d4	12.198	152	151158	46.516	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.040%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.379	85	128226m	49.388	ug/L	
3) Chloromethane	1.517	50	69035	43.094	ug/L	98
5) Vinyl chloride	1.600	62	87219m	51.181	ug/L	
6) Bromomethane	1.826	94	62705	50.969	ug/L	99
8) Chloroethane	1.890	64	58266m	58.089	ug/L	
9) Trichlorofluoromethane	2.073	101	166408	50.021	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.543	101	91761	54.092	ug/L	97
12) 1,1-Dichloroethene	2.546	96	79525	50.591	ug/L	90
13) Acetone	2.642	43	108122	94.508	ug/L	99
14) Carbon disulfide	2.758	76	210565	46.160	ug/L	99
15) Methyl Acetate	2.951	43	130545	66.859	ug/L	97
16) Methylene chloride	3.028	84	89623	48.975	ug/L	96
17) trans-1,2-Dichloroethene	3.334	96	85693	50.545	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	307784	52.325	ug/L	100
19) 1,1-Dichloroethane	3.854	63	154634	49.820	ug/L	97
20) cis-1,2-Dichloroethene	4.658	96	97268	50.874	ug/L	94
22) 2-Butanone	4.713	43	135023	92.951	ug/L	96
23) Bromochloromethane	4.970	128	55325	52.147	ug/L	93
25) Chloroform	5.086	83	190752	52.651	ug/L	99

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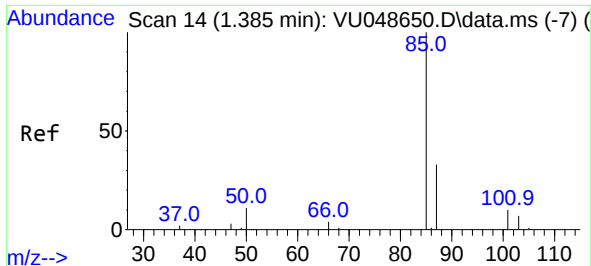
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	163879	52.730	ug/L	99
29) Cyclohexane	5.375	56	121942	48.560	ug/L	96
30) 1,1,1-Trichloroethane	5.308	97	185894	50.216	ug/L	97
31) Carbon tetrachloride	5.517	117	172596	51.159	ug/L	99
33) Benzene	5.768	78	351946	49.273	ug/L	100
34) Trichloroethene	6.539	95	101800	50.374	ug/L	95
35) Methylcyclohexane	6.758	83	147199	50.759	ug/L	99
37) 1,2-Dichloropropane	6.790	63	86295	48.317	ug/L	100
38) Bromodichloromethane	7.108	83	147115	50.910	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	156951	51.470	ug/L	100
40) 4-Methyl-2-pentanone	7.803	43	258600	94.879	ug/L #	74
42) Toluene	7.970	91	394403	50.660	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	169492	52.706	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	99014	51.768	ug/L	97
46) Tetrachloroethene	8.552	164	90939	55.146	ug/L	98
48) 2-Hexanone	8.703	43	217362	93.078	ug/L	97
49) Dibromochloromethane	8.819	129	134256	54.598	ug/L	99
50) 1,2-Dibromoethane	8.928	107	111236	50.393	ug/L	99
51) Chlorobenzene	9.452	112	284444	52.385	ug/L	99
52) Ethylbenzene	9.574	91	463360	52.081	ug/L	99
53) m,p-Xylene	9.697	106	190382	53.247	ug/L	99
54) o-Xylene	10.105	106	185016	54.014	ug/L	99
55) Styrene	10.121	104	331438	55.652	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.790	83	166431	50.349	ug/L	94
59) Bromoform	10.301	173	113292	51.848	ug/L	97
60) 1,2,3-Trichloropropane	10.832	75	150722	47.809	ug/L	96
61) Isopropylbenzene	10.491	105	504779	51.562	ug/L	99
62) 1,3,5-Trimethylbenzene	11.095	105	299063	53.734	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	469928	54.299	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	263481	52.190	ug/L	98
65) 1,4-Dichlorobenzene	11.841	146	263633	50.323	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	257237	50.095	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	51664	42.386	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	201865	50.167	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	169740	46.640	ug/L	99
71) Naphthalene	14.089	128	457825	38.151	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	172294	47.152	ug/L	99

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



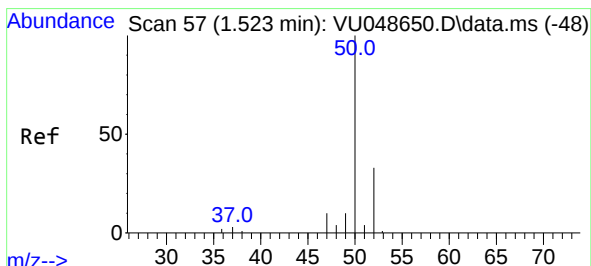
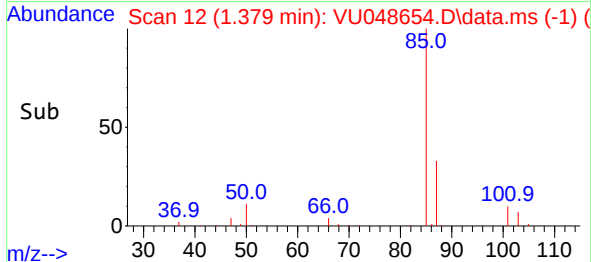
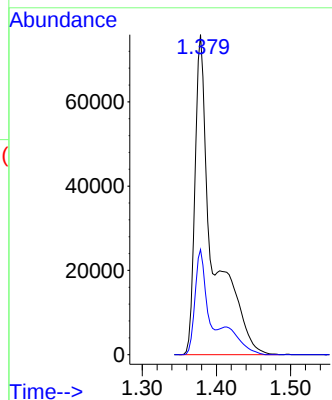
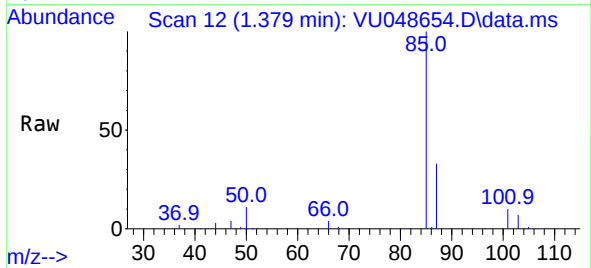
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Dichlorodifluoromethane
Concen: 49.388 ug/L m
RT: 1.379 min Scan# 11
Delta R.T. -0.007 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS

Tgt Ion: 85 Resp: 128220
Ion Ratio Lower Upper
85 100
87 21.7 25.4 38.2

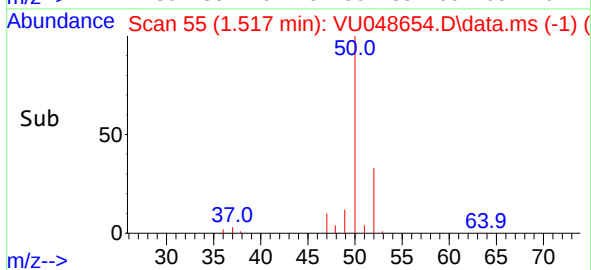
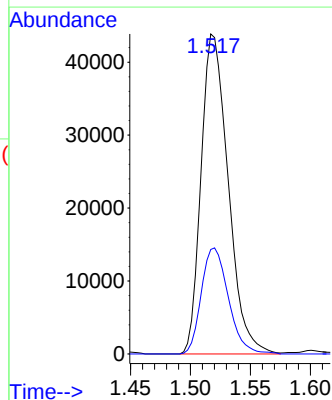
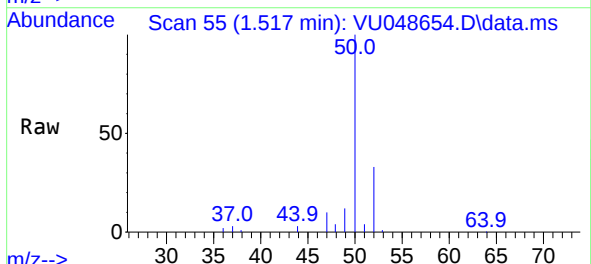
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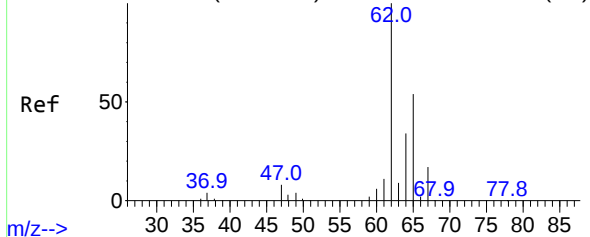


#3
Chloromethane
Concen: 43.094 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.007 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Tgt Ion: 50 Resp: 69035
Ion Ratio Lower Upper
50 100
52 32.6 23.8 44.2



Abundance Scan 82 (1.604 min): VU048650.D\data.ms (-74)



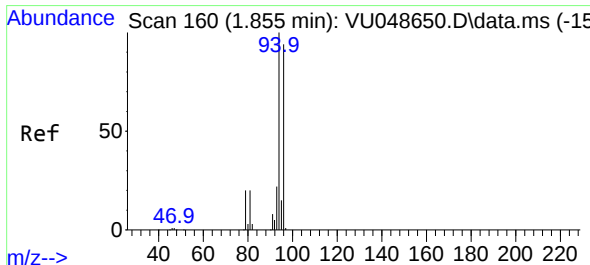
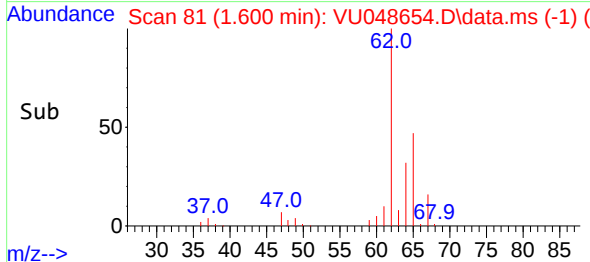
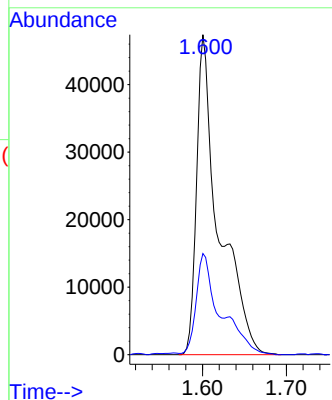
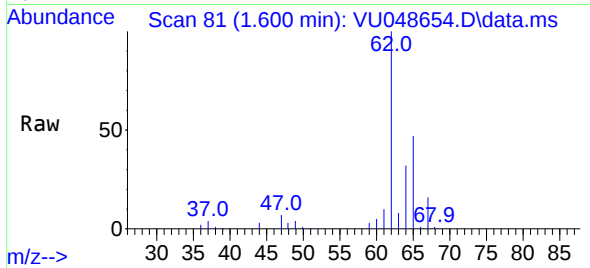
#5
Vinyl chloride
Concen: 51.181 ug/L m
RT: 1.600 min Scan# 81
Delta R.T. -0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS

Tgt Ion: 62 Resp: 87219
Ion Ratio Lower Upper
62 100
64 31.6 22.9 42.5

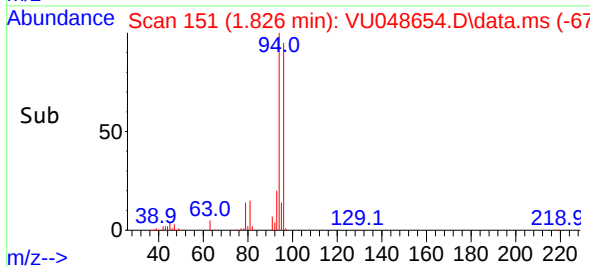
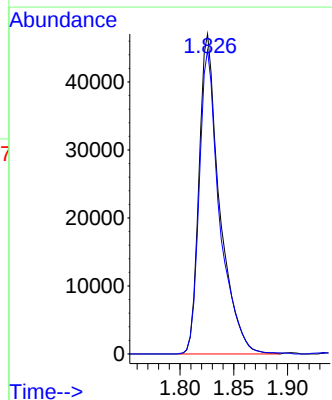
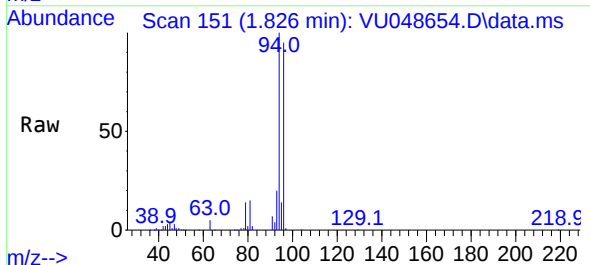
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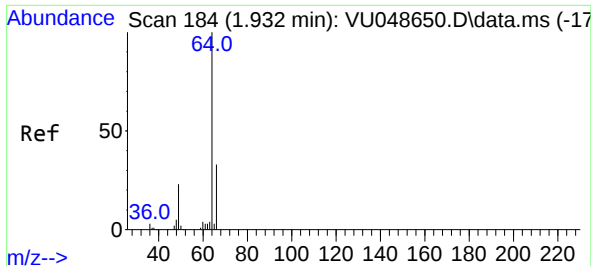
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#6
Bromomethane
Concen: 50.969 ug/L
RT: 1.826 min Scan# 151
Delta R.T. -0.029 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

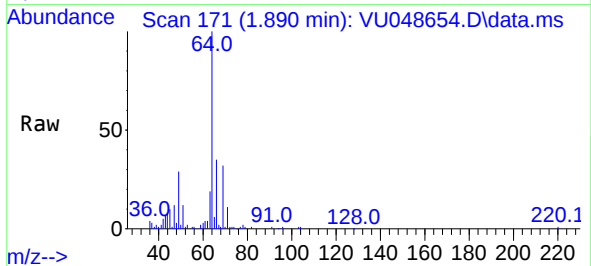
Tgt Ion: 94 Resp: 62705
Ion Ratio Lower Upper
94 100
96 95.0 65.7 121.9





#8
Chloroethane
Concen: 58.089 ug/L m
RT: 1.890 min Scan# 11
Delta R.T. -0.042 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

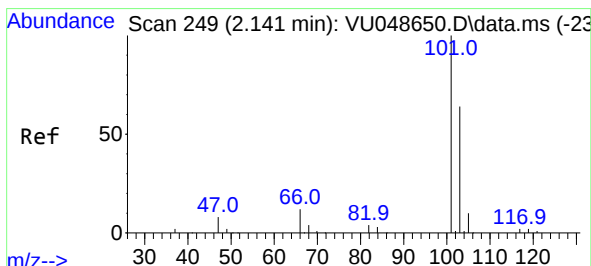
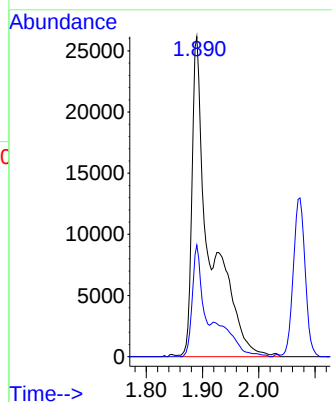
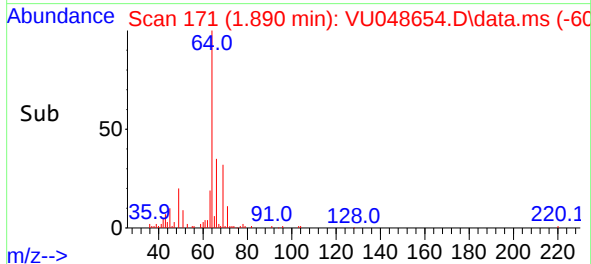
Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS



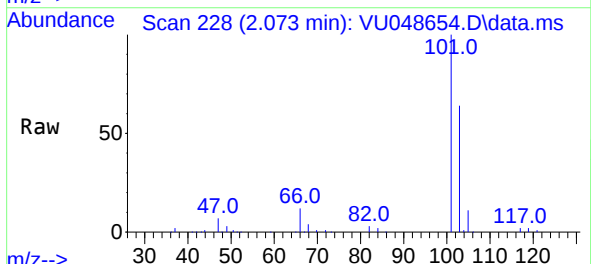
Tgt Ion: 64 Resp: 58260
Ion Ratio Lower Upper
64 100
66 34.8 23.1 42.9

Manual Integrations
APPROVED

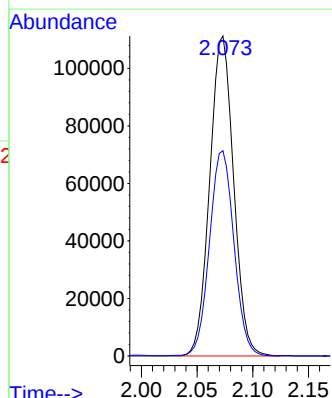
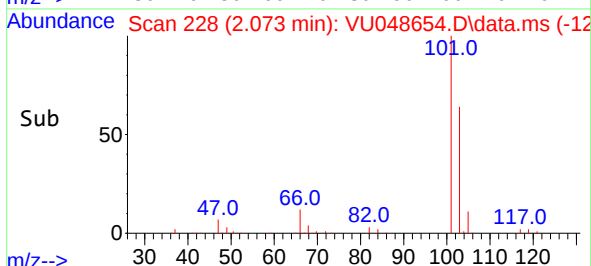
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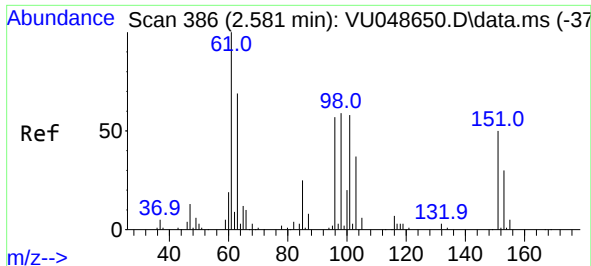


#9
Trichlorofluoromethane
Concen: 50.021 ug/L
RT: 2.073 min Scan# 228
Delta R.T. -0.068 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45



Tgt Ion:101 Resp: 166408
Ion Ratio Lower Upper
101 100
103 65.6 51.6 77.4





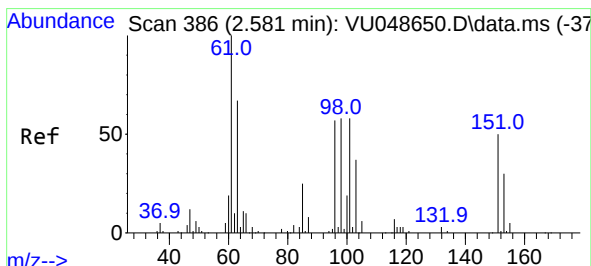
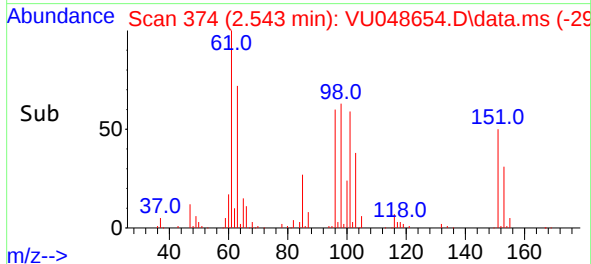
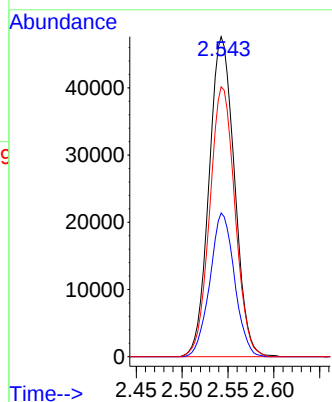
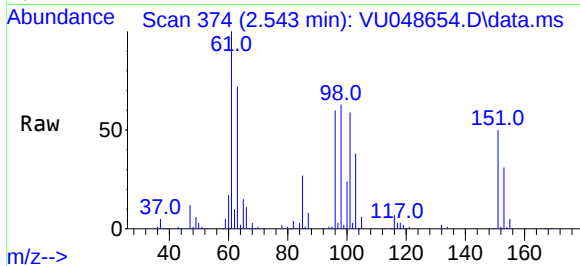
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 54.092 ug/L
RT: 2.543 min Scan# 31
Delta R.T. -0.039 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS

Tgt Ion:101 Resp: 9176
Ion Ratio Lower Upper
101 100
85 43.4 35.7 53.5
151 83.8 64.4 96.6

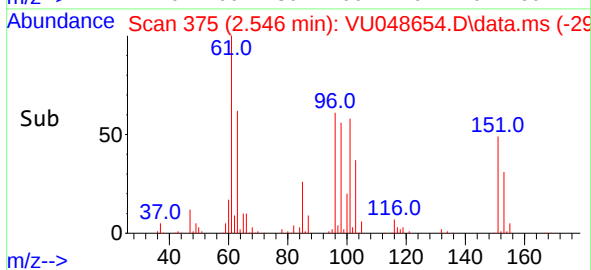
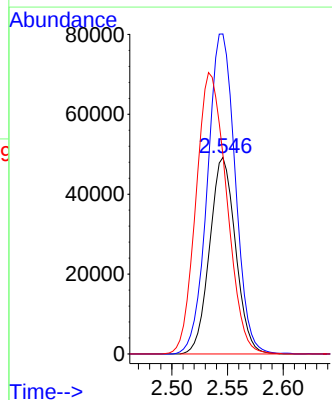
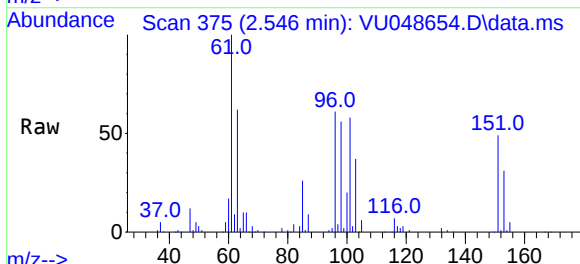
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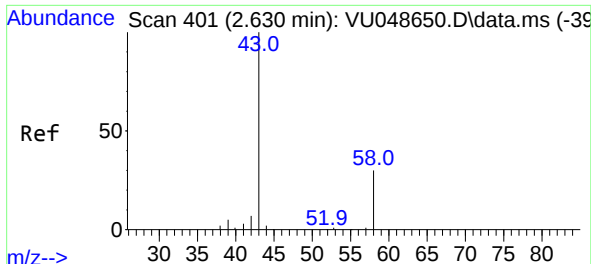
Reviewed By :John Carlone 05/25/2022
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#12
1,1-Dichloroethene
Concen: 50.591 ug/L
RT: 2.546 min Scan# 375
Delta R.T. -0.036 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Tgt Ion: 96 Resp: 79525
Ion Ratio Lower Upper
96 100
61 162.9 120.6 224.0
63 101.4 82.3 152.9





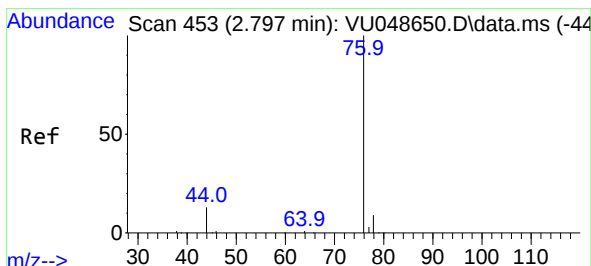
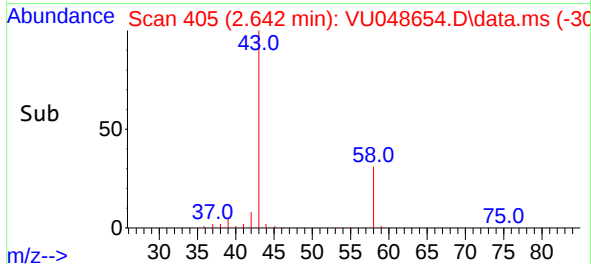
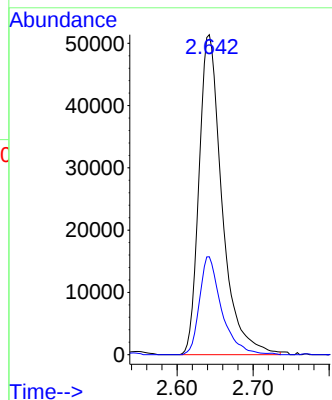
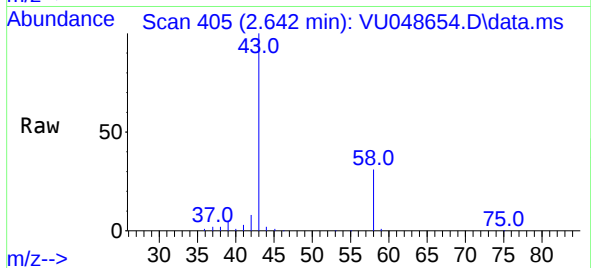
#13
Acetone
Concen: 94.508 ug/L
RT: 2.642 min Scan# 401
Delta R.T. 0.013 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS

Tgt Ion: 43 Resp: 10812
Ion Ratio Lower Upper
43 100
58 29.3 0.0 59.8

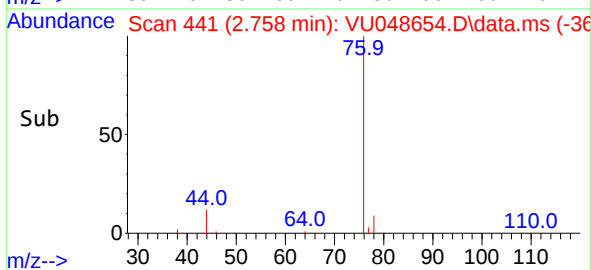
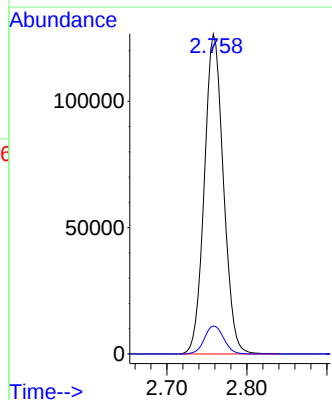
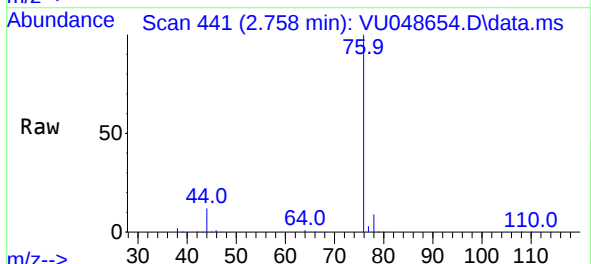
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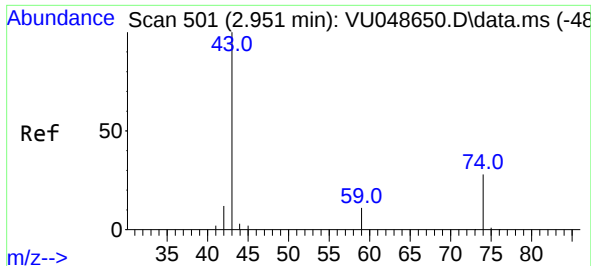
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#14
Carbon disulfide
Concen: 46.160 ug/L
RT: 2.758 min Scan# 441
Delta R.T. -0.039 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

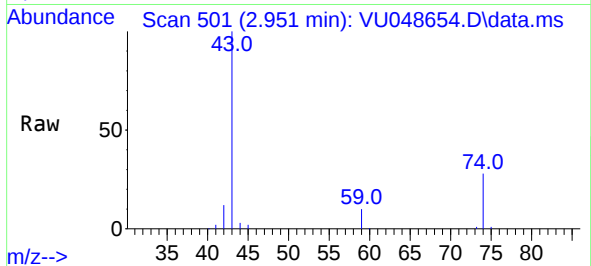
Tgt Ion: 76 Resp: 210565
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8





#15
Methyl Acetate
Concen: 66.859 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.000 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

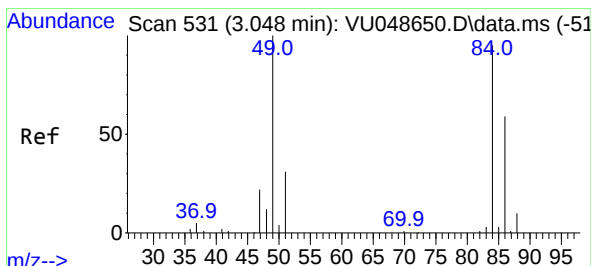
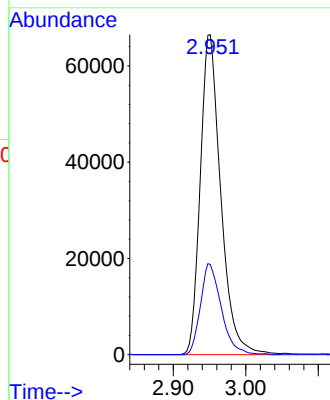
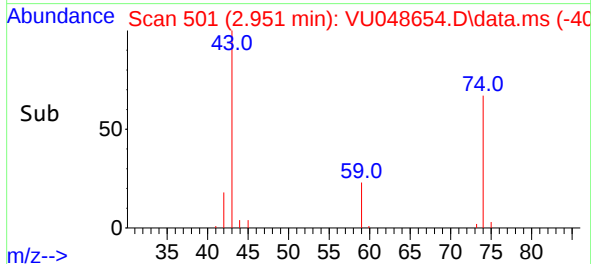
Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS



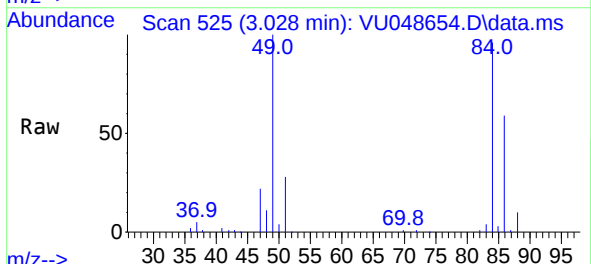
Tgt Ion: 43 Resp: 130549
Ion Ratio Lower Upper
43 100
74 28.8 21.7 32.5

Manual Integrations
APPROVED

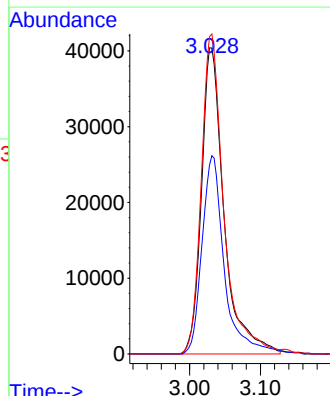
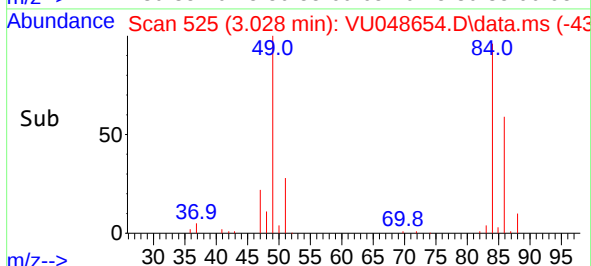
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

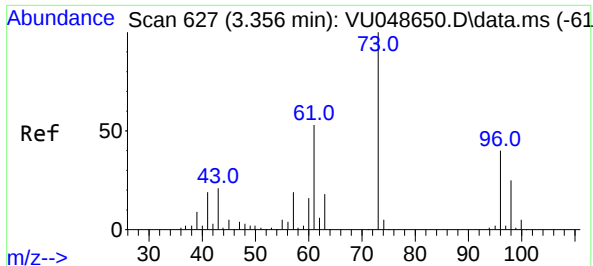


#16
Methylene chloride
Concen: 48.975 ug/L
RT: 3.028 min Scan# 525
Delta R.T. -0.019 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45



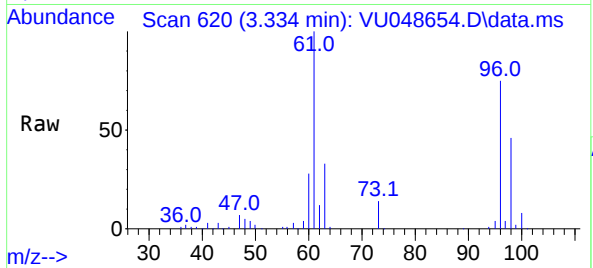
Tgt Ion: 84 Resp: 89623
Ion Ratio Lower Upper
84 100
86 61.6 43.5 80.9
49 103.6 76.4 141.8





#17
trans-1,2-Dichloroethene
Concen: 50.545 ug/L
RT: 3.334 min Scan# 61
Delta R.T. -0.023 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

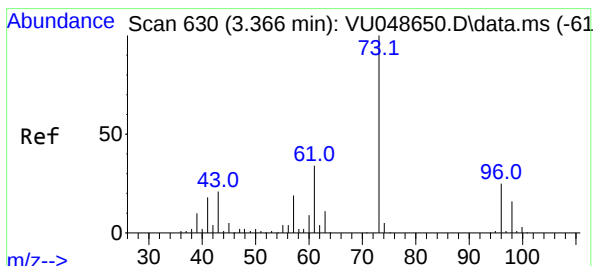
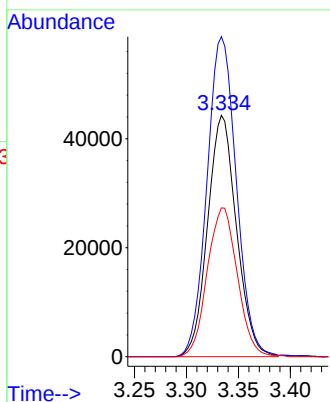
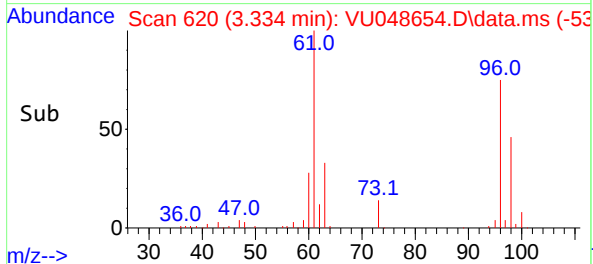
Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS



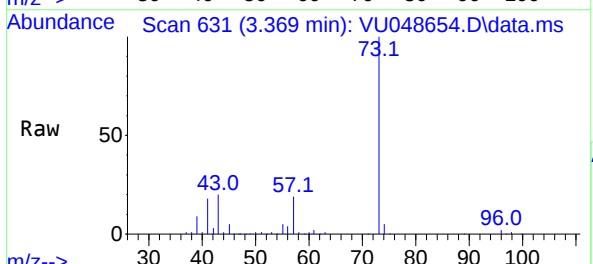
Tgt Ion: 96 Resp: 8569
Ion Ratio Lower Upper
96 100
61 132.5 94.2 175.0
98 61.6 45.1 83.7

Manual Integrations
APPROVED

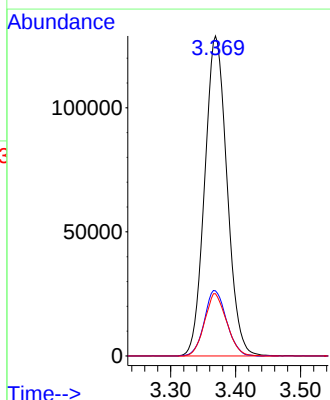
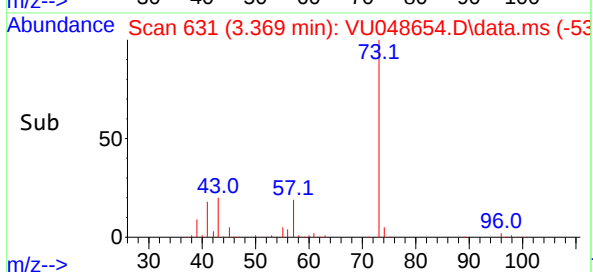
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

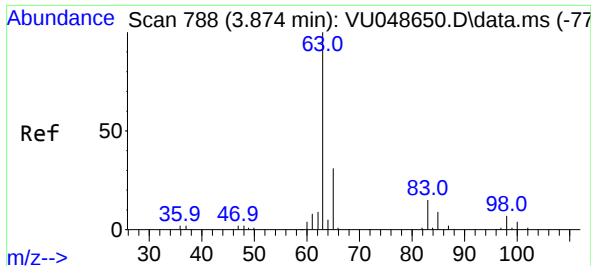


#18
Methyl tert-butyl Ether
Concen: 52.325 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45



Tgt Ion: 73 Resp: 307784
Ion Ratio Lower Upper
73 100
43 20.4 16.2 24.4
57 19.3 15.7 23.5





#19

1,1-Dichloroethane

Concen: 49.820 ug/L

RT: 3.854 min Scan# 71

Delta R.T. -0.019 min

Lab File: VU048654.D

Acq: 23 May 2022 15:45

Instrument :

MSVOA_U

ClientSampleId :

DBTF7MEMS

Tgt Ion: 63 Resp: 154634

Ion Ratio Lower Upper

63 100

65 32.6 21.8 40.6

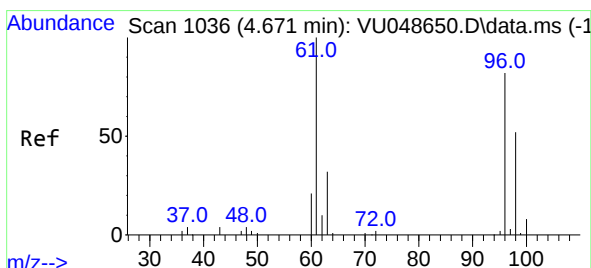
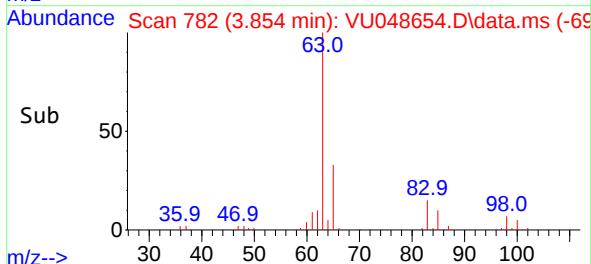
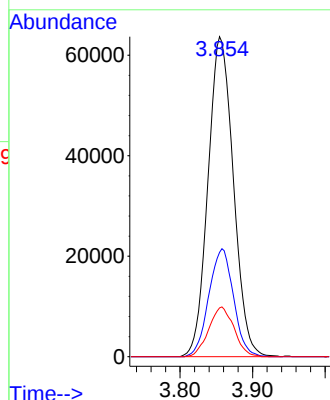
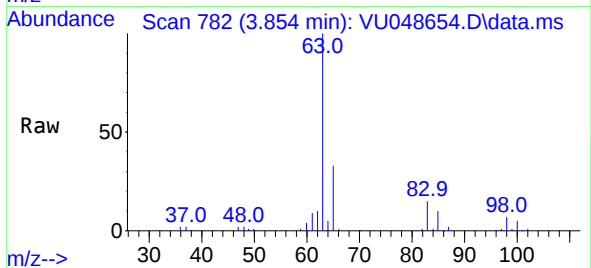
83 15.2 9.8 18.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/25/2022

Supervised By :Mahesh Dadoda 05/25/2022



#20

cis-1,2-Dichloroethene

Concen: 50.874 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.013 min

Lab File: VU048654.D

Acq: 23 May 2022 15:45

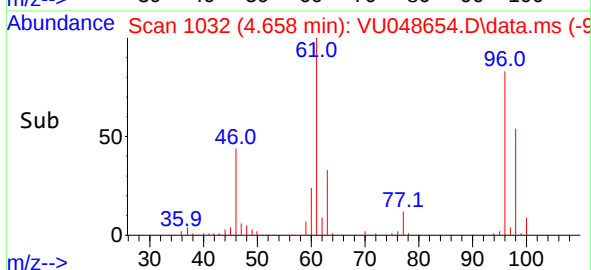
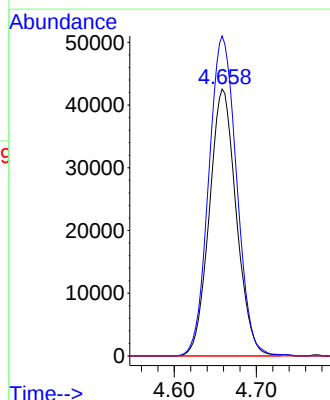
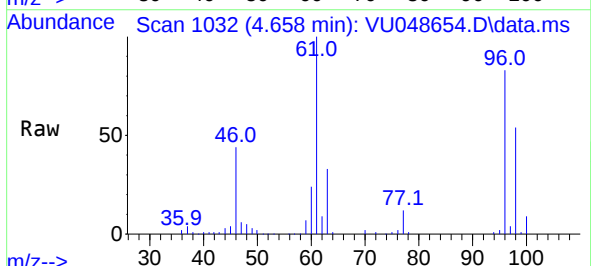
Tgt Ion: 96 Resp: 97268

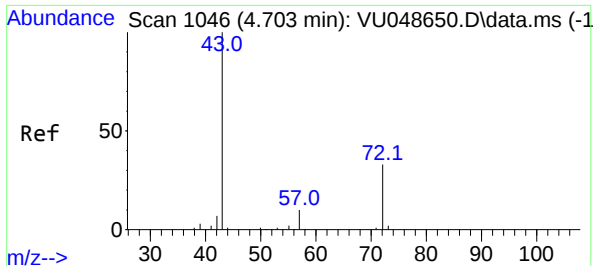
Ion Ratio Lower Upper

96 100

61 119.9 88.3 164.1

68 0.0 0.0 0.0





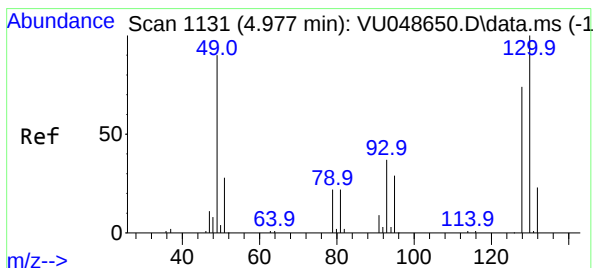
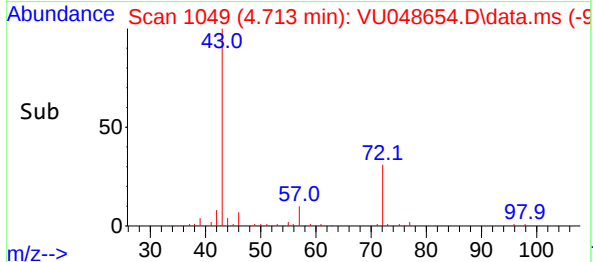
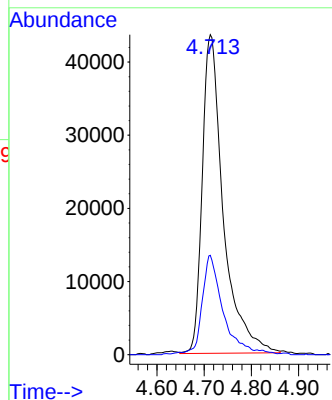
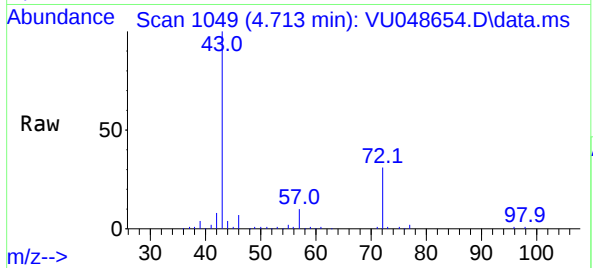
#22
2-Butanone
Concen: 92.951 ug/L
RT: 4.713 min Scan# 1046
Delta R.T. 0.009 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS

Tgt Ion: 43 Resp: 13502
Ion Ratio Lower Upper
43 100
72 28.7 15.4 46.2

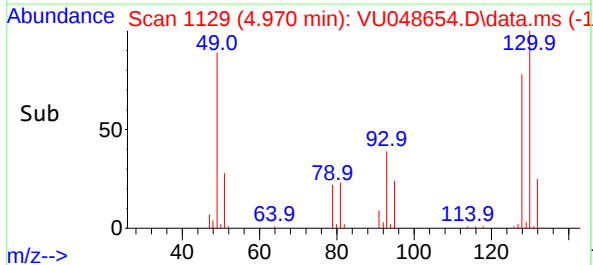
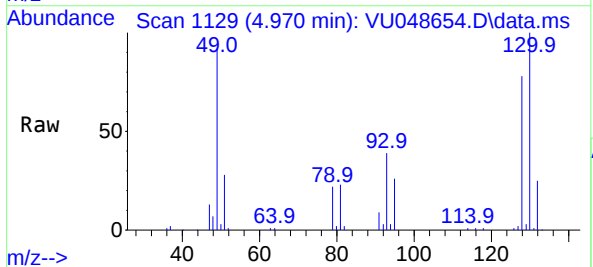
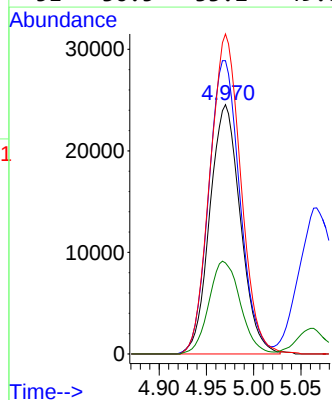
Manual Integrations
APPROVED

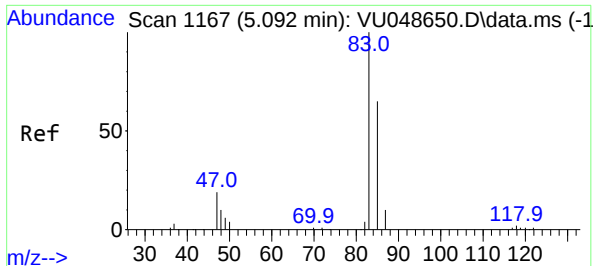
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#23
Bromochloromethane
Concen: 52.147 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.007 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

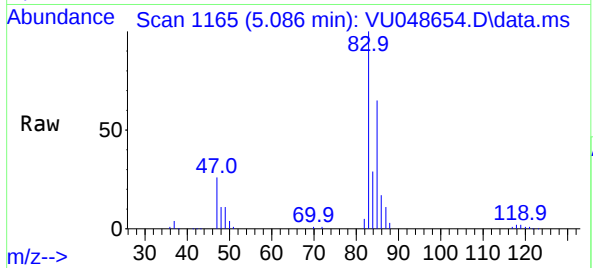
Tgt Ion:128 Resp: 55325
Ion Ratio Lower Upper
128 100
49 117.7 91.9 170.7
130 128.4 88.4 164.2
51 36.5 33.2 49.8





#25
Chloroform
Concen: 52.651 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. -0.007 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

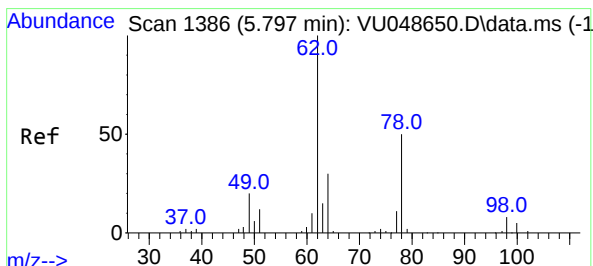
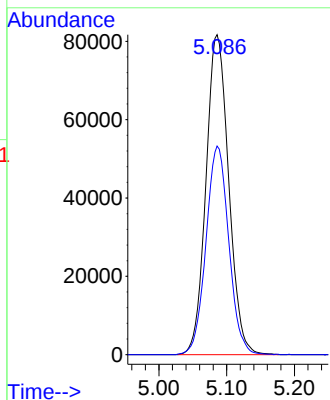
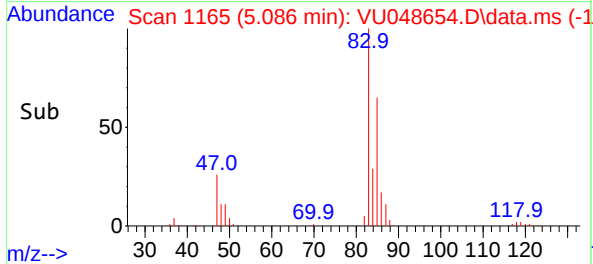
Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS



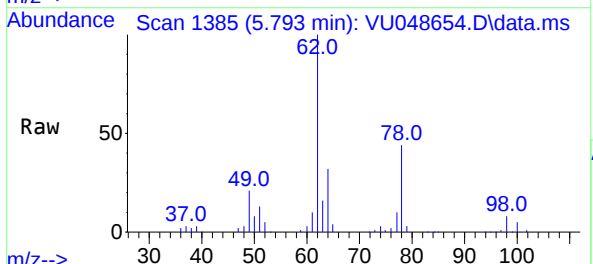
Tgt Ion: 83 Resp: 190752
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.7

Manual Integrations
APPROVED

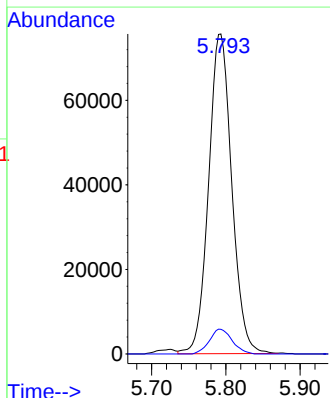
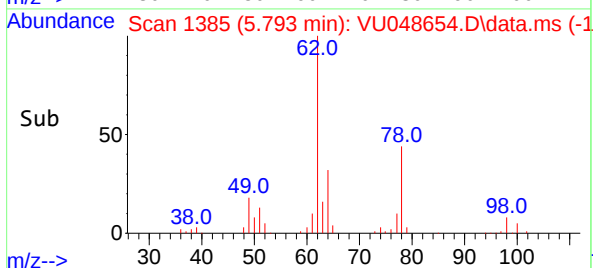
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

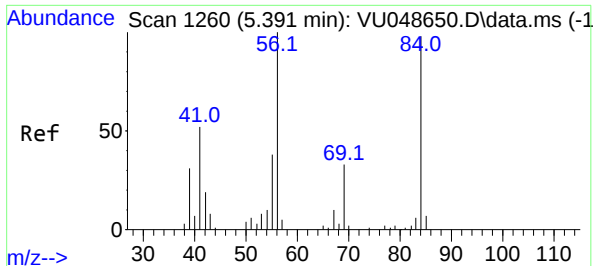


#27
1,2-Dichloroethane
Concen: 52.730 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. -0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45



Tgt Ion: 62 Resp: 163879
Ion Ratio Lower Upper
62 100
98 7.7 6.0 9.0





#29

Cyclohexane

Concen: 48.560 ug/L

RT: 5.375 min Scan# 12194

Delta R.T. -0.016 min

Lab File: VU048654.D

Acq: 23 May 2022 15:45

Instrument :

MSVOA_U

ClientSampleId :

DBTF7MEMS

Tgt Ion: 56 Resp: 12194

Ion Ratio Lower Upper

56 100

69 34.1 26.5 39.7

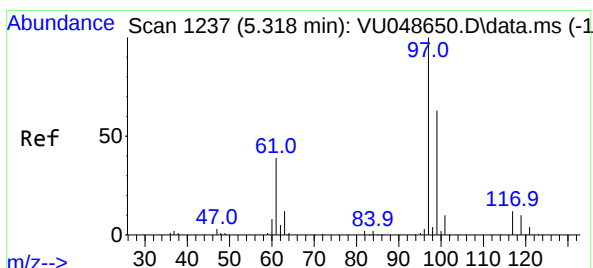
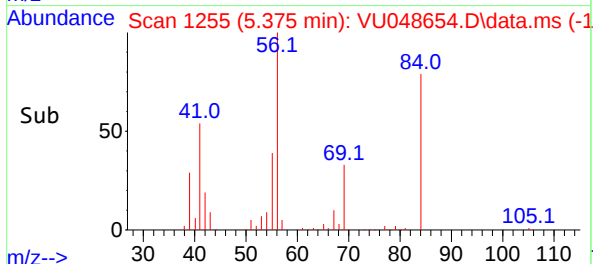
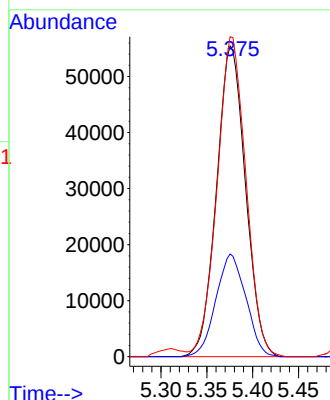
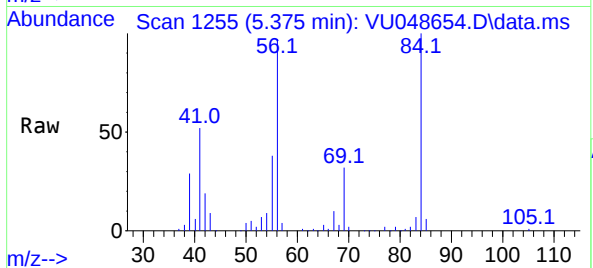
84 102.5 78.0 117.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/25/2022

Supervised By :Mahesh Dadoda 05/25/2022



#30

1,1,1-Trichloroethane

Concen: 50.216 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.010 min

Lab File: VU048654.D

Acq: 23 May 2022 15:45

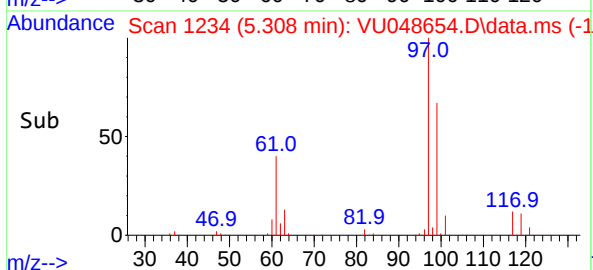
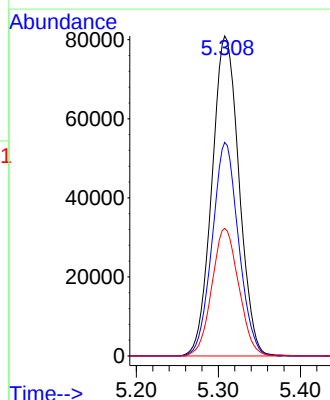
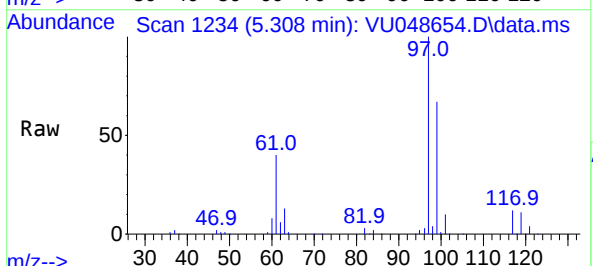
Tgt Ion: 97 Resp: 185894

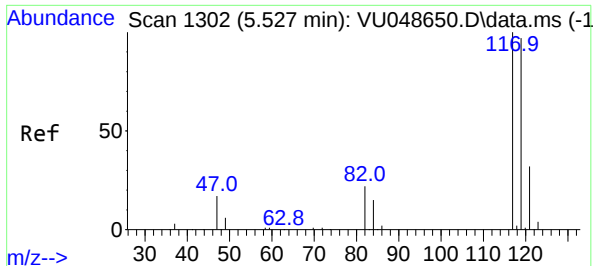
Ion Ratio Lower Upper

97 100

99 65.2 50.3 75.5

61 39.5 32.6 48.8





#31
Carbon tetrachloride
Concen: 51.159 ug/L
RT: 5.517 min Scan# 117
Delta R.T. -0.010 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :

MSVOA_U

ClientSampleId :

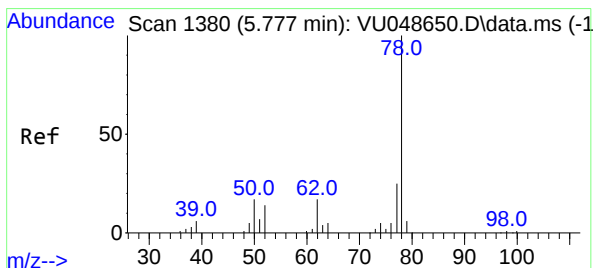
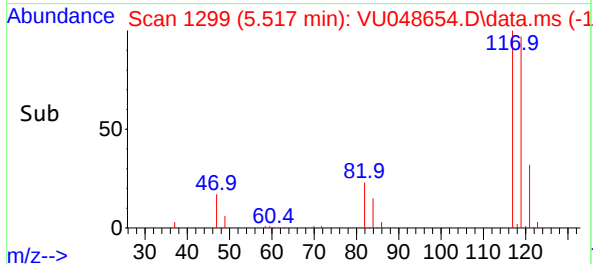
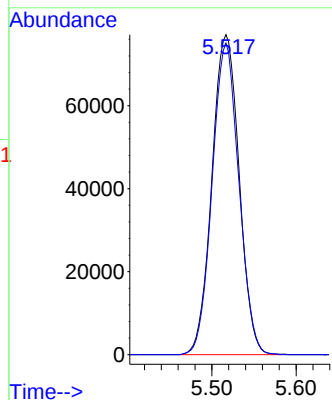
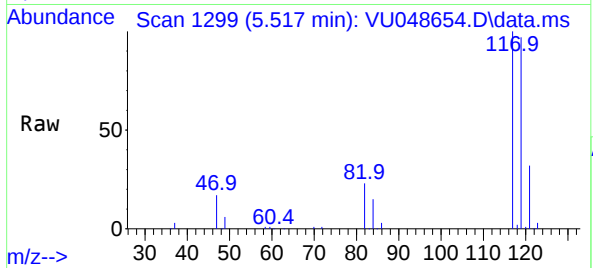
DBTF7MEMS

Tgt Ion:117 Resp: 172590
Ion Ratio Lower Upper
117 100
119 95.6 76.0 114.0

Manual Integrations

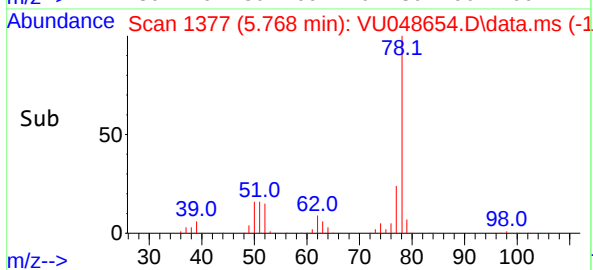
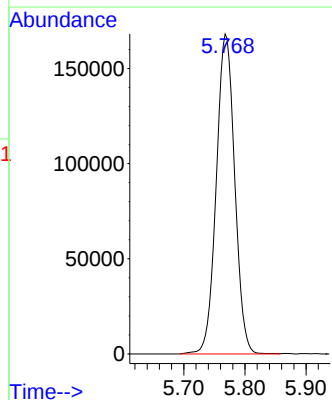
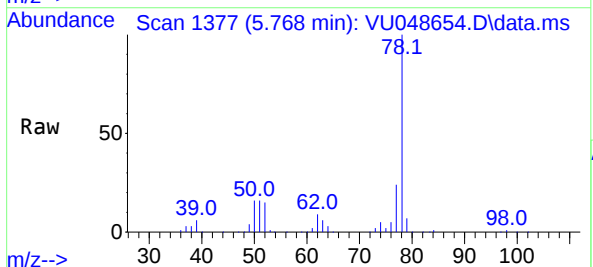
APPROVED

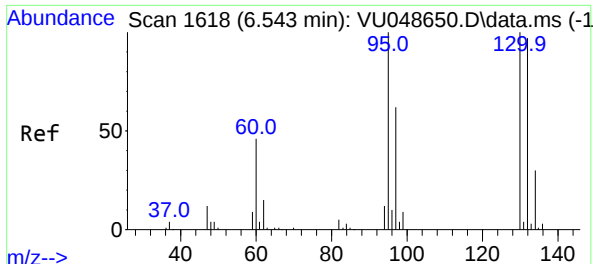
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#33
Benzene
Concen: 49.273 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.010 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Tgt Ion: 78 Resp: 351946





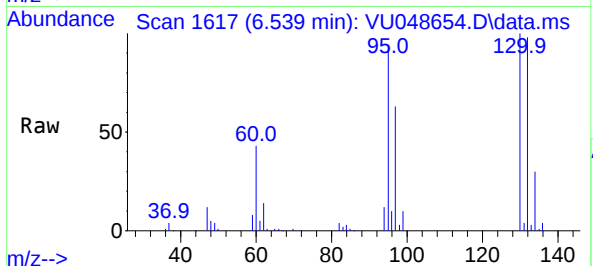
#34
Trichloroethene
Concen: 50.374 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :

MSVOA_U

ClientSampleId :

DBTF7MEMS



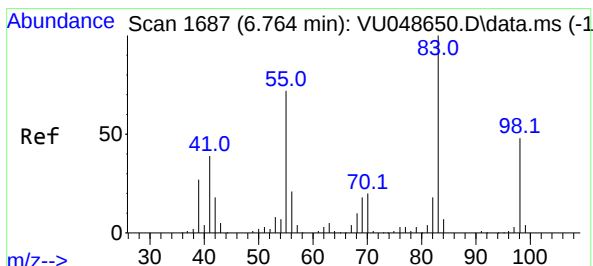
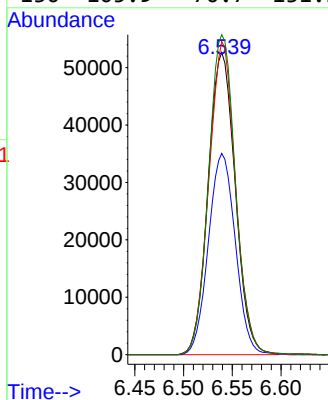
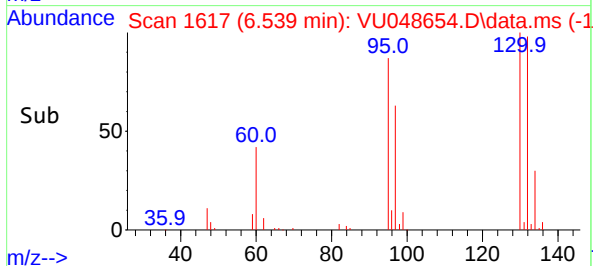
Tgt Ion: 95 Resp: 101800
Ion Ratio Lower Upper
95 100
97 66.6 45.2 84.0
132 103.6 67.3 124.9
130 105.9 70.7 131.3

Manual Integrations

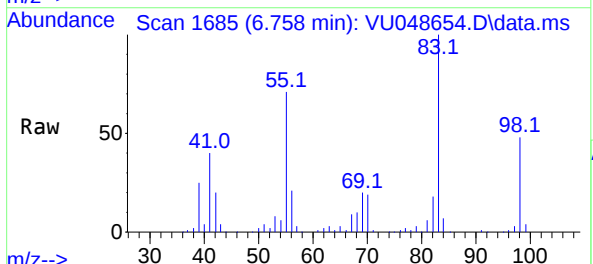
APPROVED

Reviewed By :John Carlone 05/25/2022

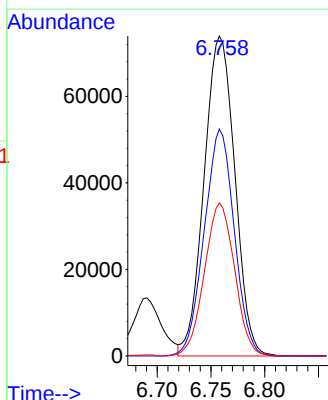
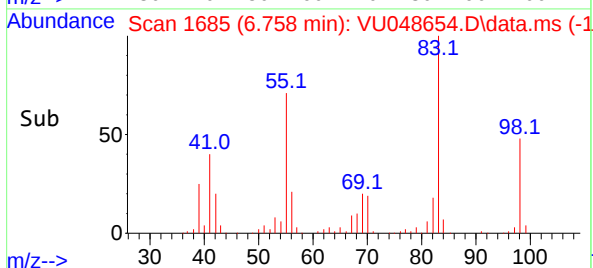
Supervised By :Mahesh Dadoda 05/25/2022

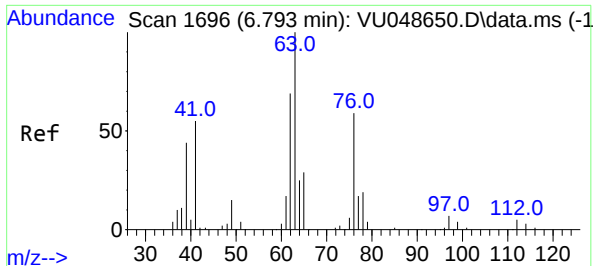


#35
Methylcyclohexane
Concen: 50.759 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.007 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45



Tgt Ion: 83 Resp: 147199
Ion Ratio Lower Upper
83 100
55 69.3 56.2 84.4
98 46.9 38.2 57.2





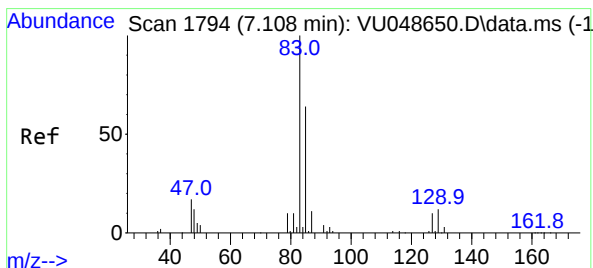
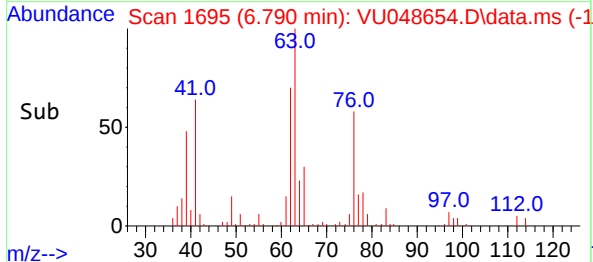
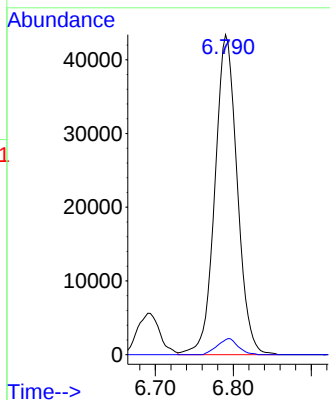
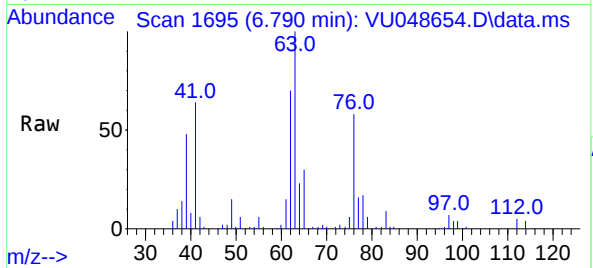
#37
1,2-Dichloropropane
Concen: 48.317 ug/L
RT: 6.790 min Scan# 1696
Delta R.T. -0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS

Tgt Ion: 63 Resp: 8629
Ion Ratio Lower Upper
63 100
112 4.7 3.7 5.5

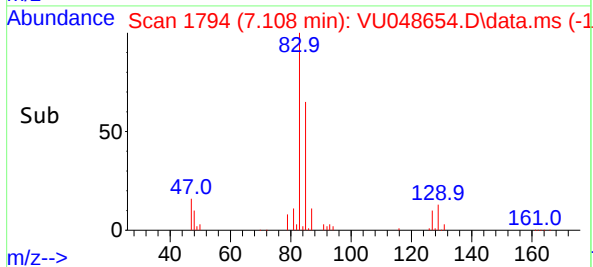
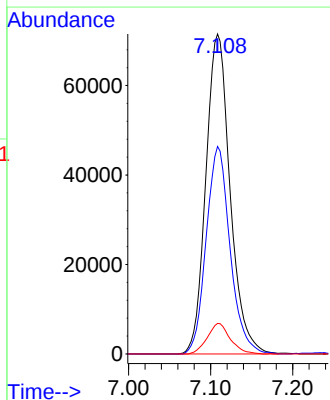
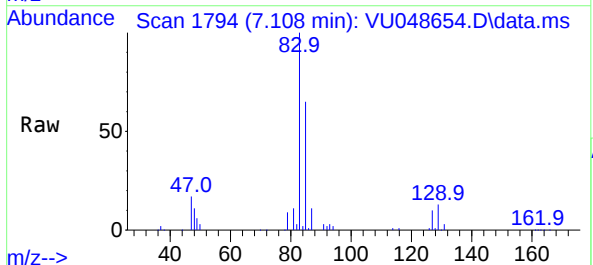
Manual Integrations
APPROVED

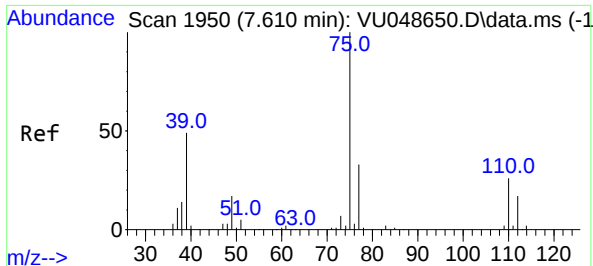
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#38
Bromodichloromethane
Concen: 50.910 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Tgt Ion: 83 Resp: 147115
Ion Ratio Lower Upper
83 100
85 64.8 46.1 85.5
127 9.6 7.8 11.6





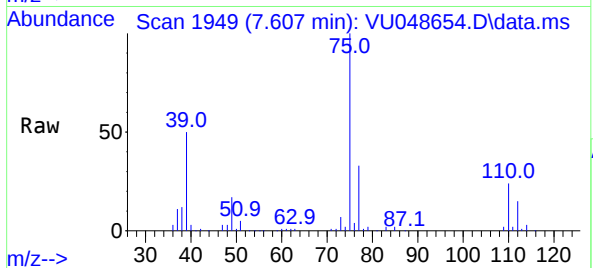
#39
cis-1,3-Dichloropropene
Concen: 51.470 ug/L
RT: 7.607 min Scan# 1950
Delta R.T. -0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :

MSVOA_U

ClientSampleId :

DBTF7MEMS

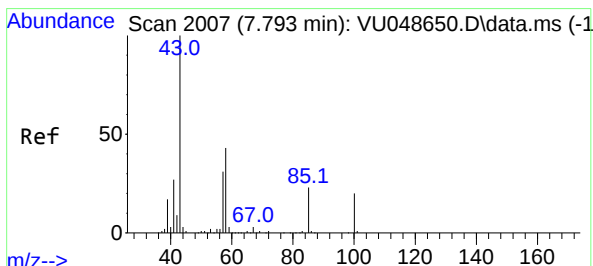
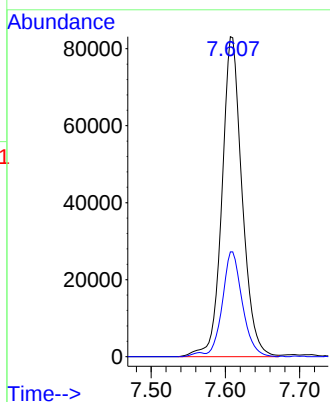
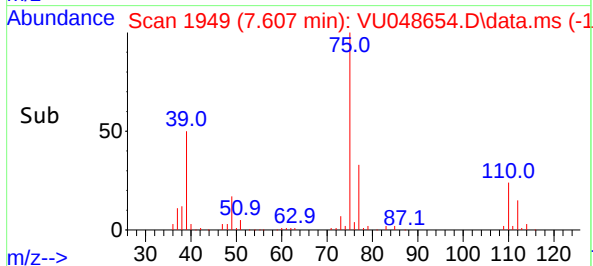


Tgt Ion: 75 Resp: 15695
Ion Ratio Lower Upper
75 100
77 32.8 22.9 42.5

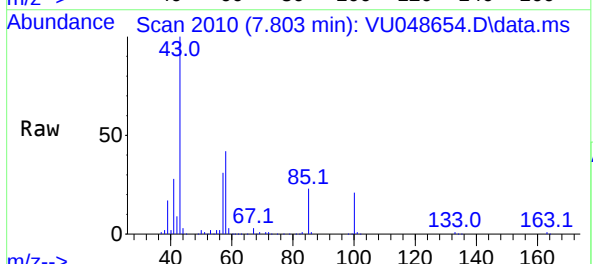
Manual Integrations

APPROVED

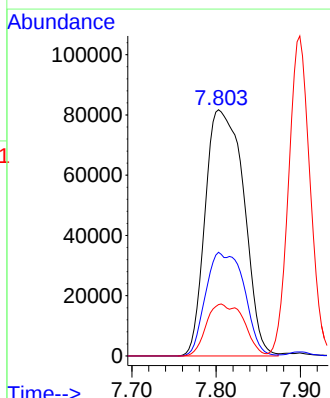
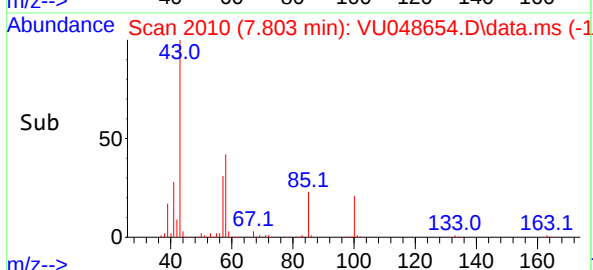
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

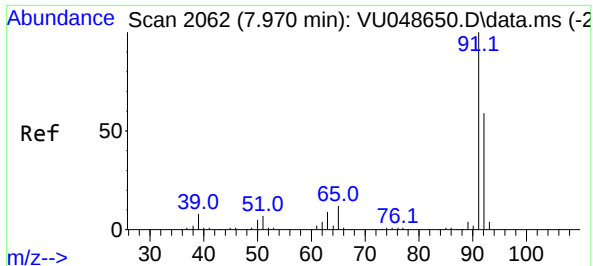


#40
4-Methyl-2-pentanone
Concen: 94.879 ug/L
RT: 7.803 min Scan# 2010
Delta R.T. 0.010 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45



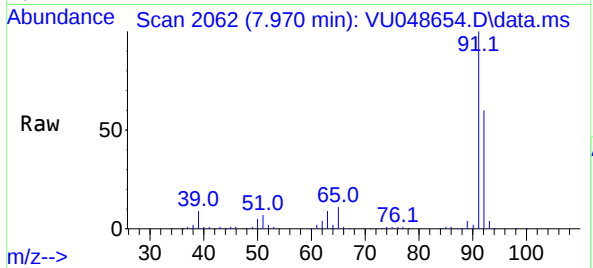
Tgt Ion: 43 Resp: 258600
Ion Ratio Lower Upper
43 100
58 23.2 34.3 51.5#
100 12.4 14.7 22.1#





#42
Toluene
Concen: 50.660 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

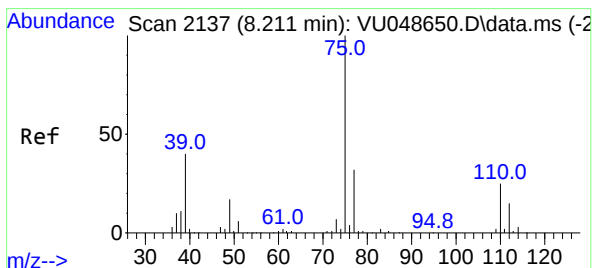
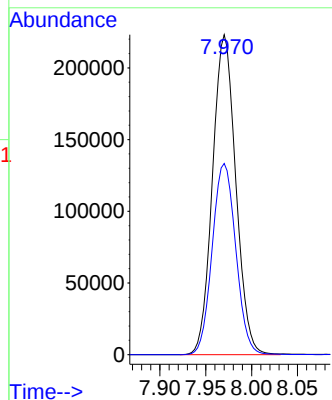
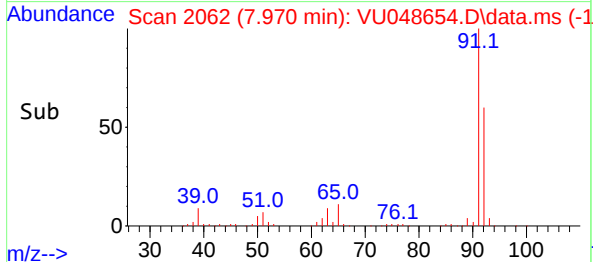
Instrument :
MSVOA_U
Client Sample Id :
DBTF7MEMS



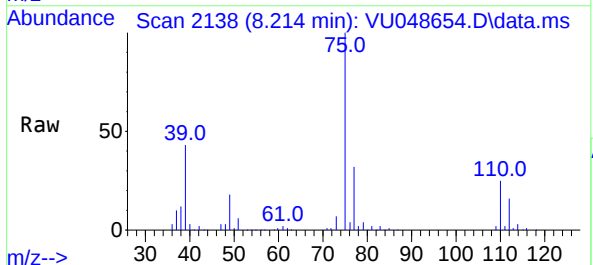
Tgt Ion: 91 Resp: 39440
Ion Ratio Lower Upper
91 100
92 59.8 41.4 77.0

Manual Integrations
APPROVED

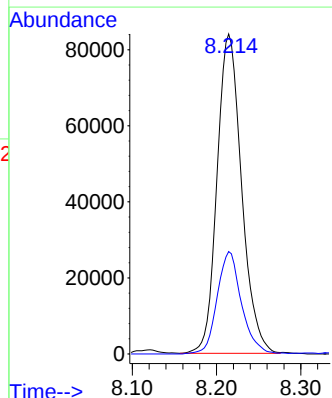
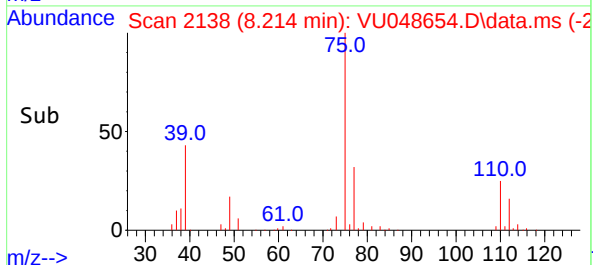
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

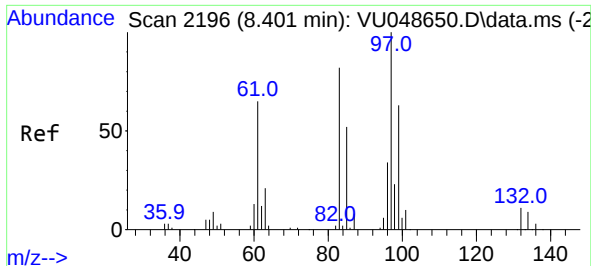


#44
trans-1,3-Dichloropropene
Concen: 52.706 ug/L
RT: 8.214 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45



Tgt Ion: 75 Resp: 169492
Ion Ratio Lower Upper
75 100
77 32.0 22.7 42.1





#45
1,1,2-Trichloroethane
Concen: 51.768 ug/L
RT: 8.404 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :

MSVOA_U

ClientSampleId :

DBTF7MEMS

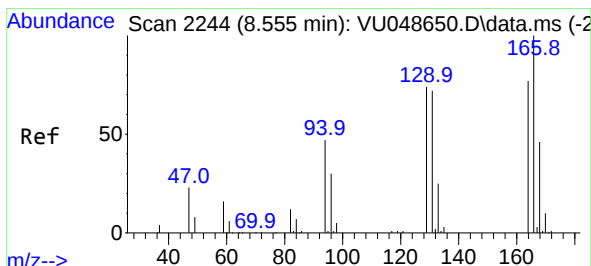
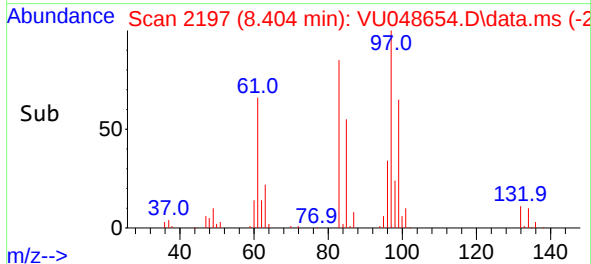
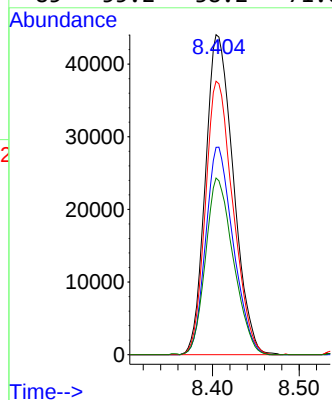
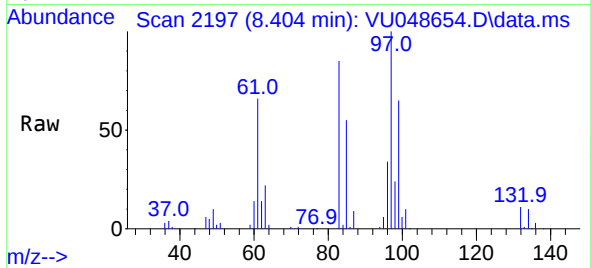
Tgt Ion: 97 Resp: 99014

Ion	Ratio	Lower	Upper
97	100		
99	64.8	42.2	78.4
83	85.5	58.4	108.6
85	55.2	38.2	71.0

Manual Integrations

APPROVED

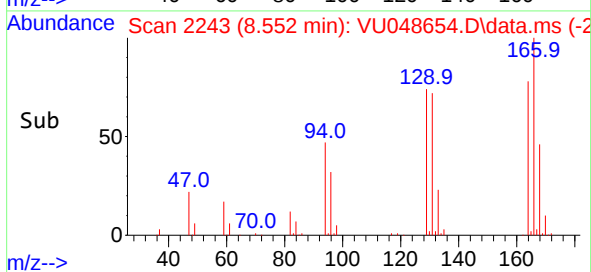
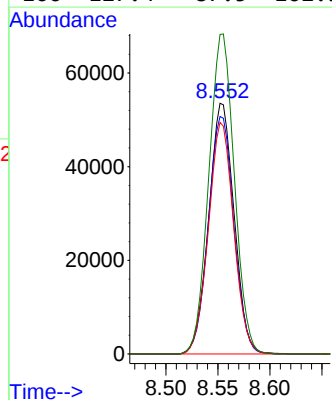
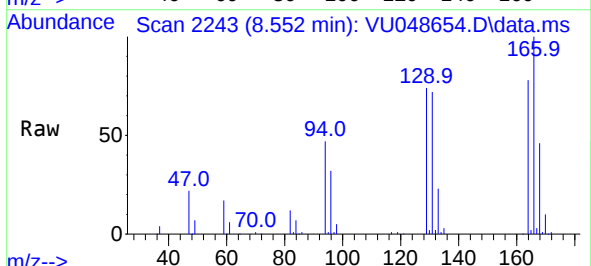
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

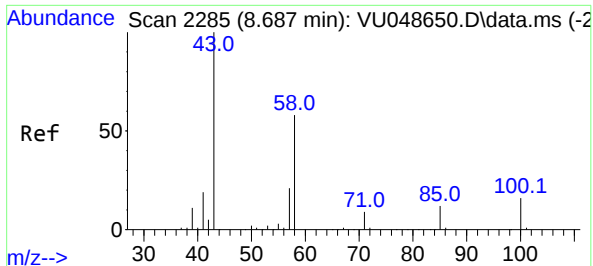


#46
Tetrachloroethene
Concen: 55.146 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Tgt Ion:164 Resp: 90939

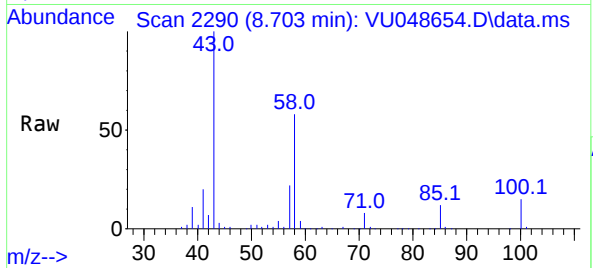
Ion	Ratio	Lower	Upper
164	100		
129	94.7	64.3	119.3
131	92.3	64.5	119.7
166	127.4	87.5	162.5





#48
2-Hexanone
Concen: 93.078 ug/L
RT: 8.703 min Scan# 21736
Delta R.T. 0.016 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

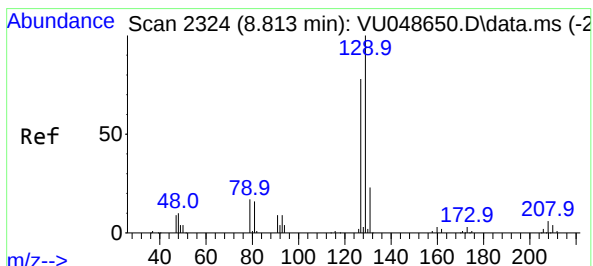
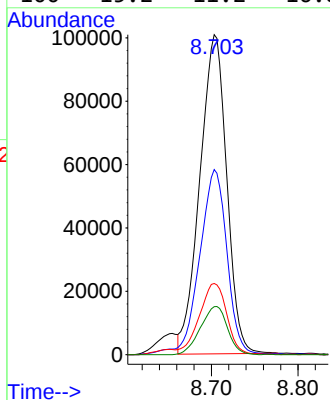
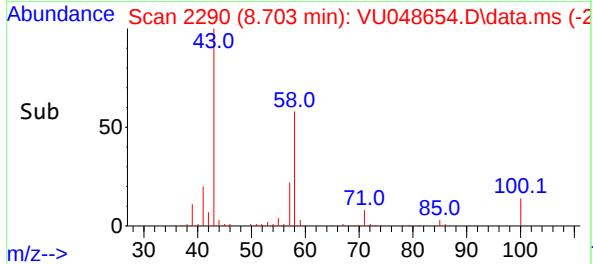
Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS



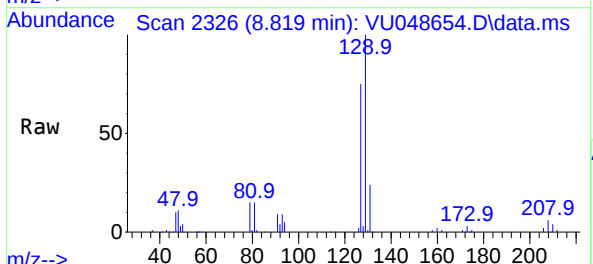
Tgt Ion: 43 Resp: 21736
Ion Ratio Lower Upper
43 100
58 59.3 45.8 68.6
57 23.1 16.8 25.2
100 15.2 11.2 16.8

Manual Integrations
APPROVED

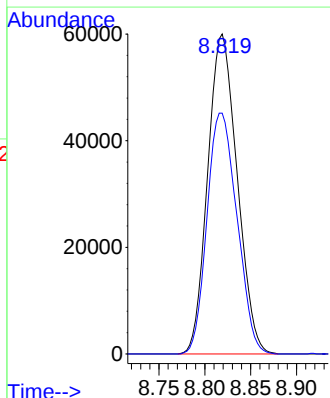
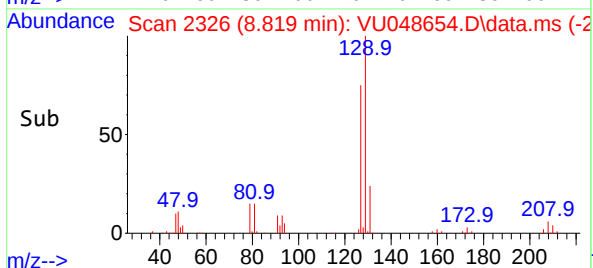
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

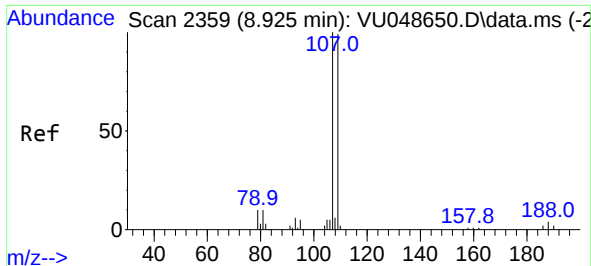


#49
Dibromochloromethane
Concen: 54.598 ug/L
RT: 8.819 min Scan# 2326
Delta R.T. 0.006 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45



Tgt Ion:129 Resp: 134256
Ion Ratio Lower Upper
129 100
127 75.2 53.1 98.5





#50
1,2-Dibromoethane
Concen: 50.393 ug/L
RT: 8.928 min Scan# 211230
Delta R.T. 0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :

MSVOA_U

ClientSampleId :

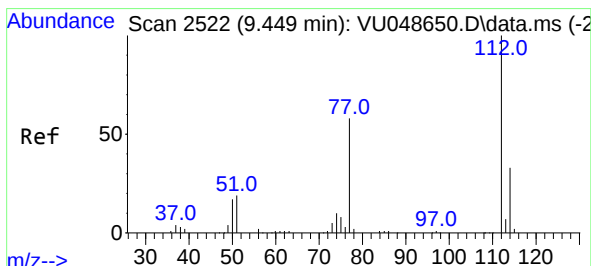
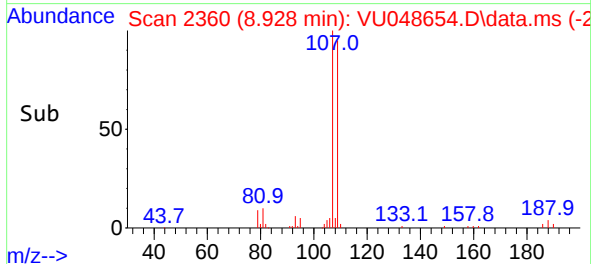
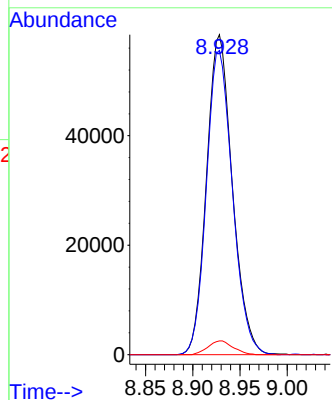
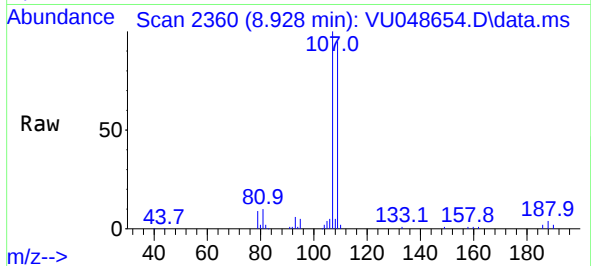
DBTF7MEMS

Tgt Ion:107 Resp: 111230
Ion Ratio Lower Upper
107 100
109 95.1 67.5 125.3
188 4.3 3.4 5.2

Manual Integrations

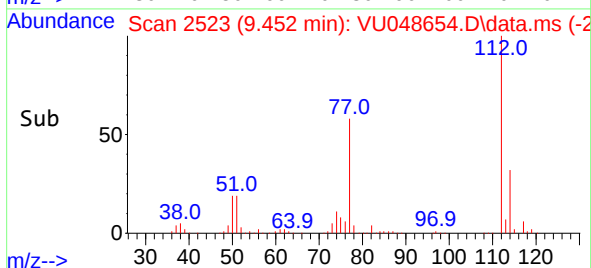
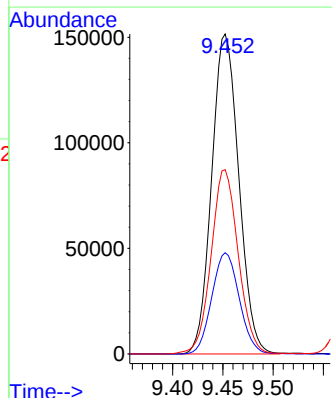
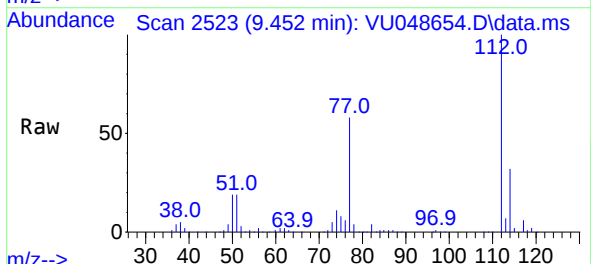
APPROVED

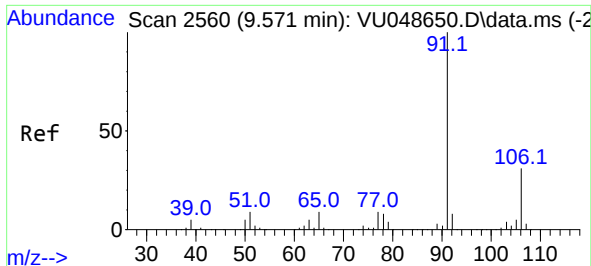
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#51
Chlorobenzene
Concen: 52.385 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Tgt Ion:112 Resp: 284444
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 57.6 46.5 69.7





#52
Ethylbenzene
Concen: 52.081 ug/L
RT: 9.574 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :

MSVOA_U

ClientSampleId :

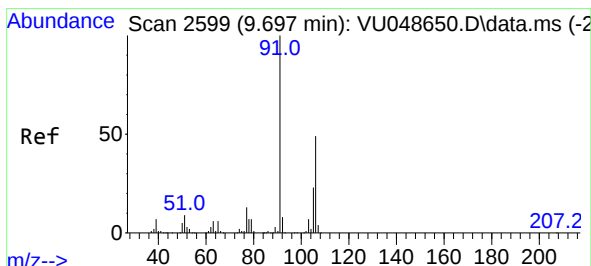
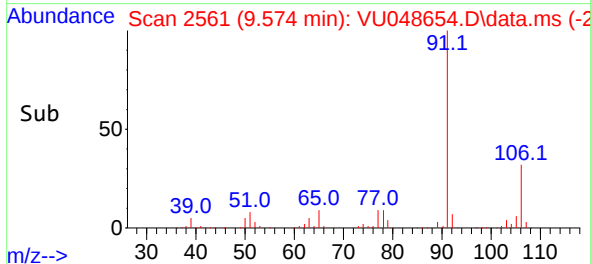
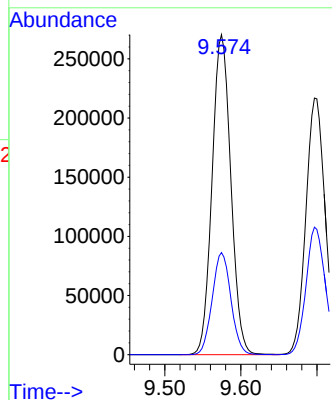
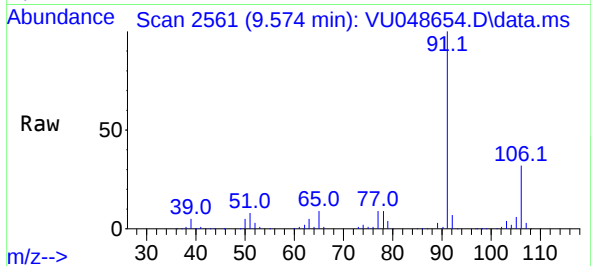
DBTF7MEMS

Tgt Ion: 91 Resp: 463360
Ion Ratio Lower Upper
91 100
106 31.9 21.8 40.6

Manual Integrations

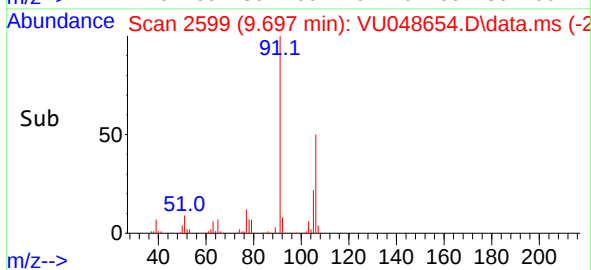
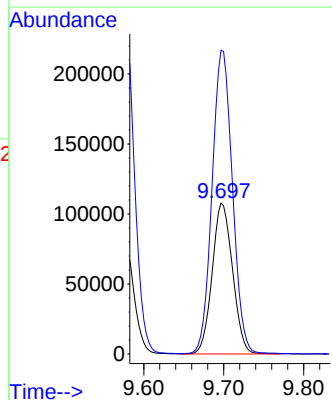
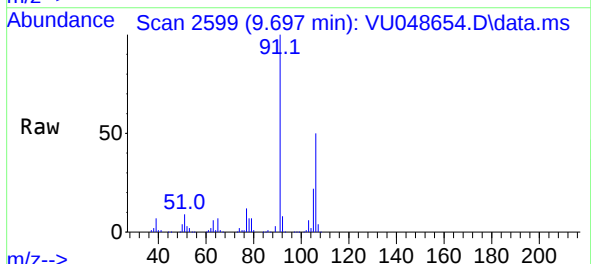
APPROVED

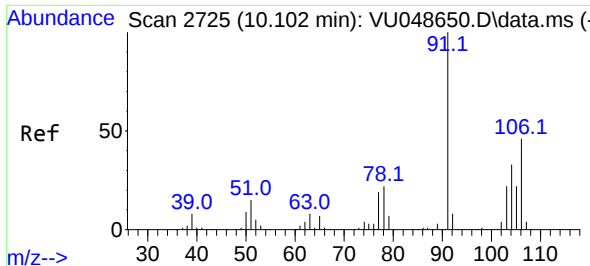
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#53
m,p-Xylene
Concen: 53.247 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Tgt Ion:106 Resp: 190382
Ion Ratio Lower Upper
106 100
91 201.2 141.8 263.4





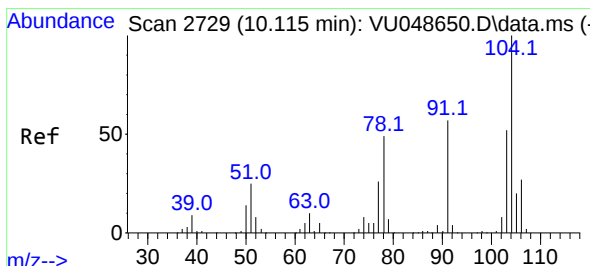
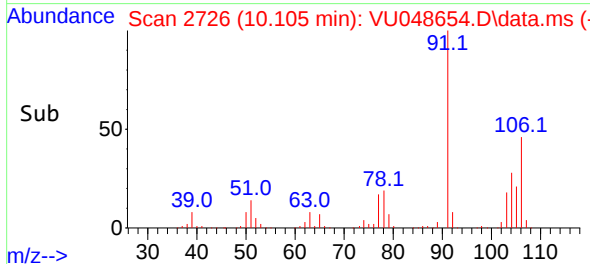
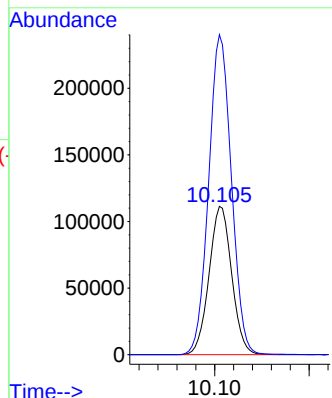
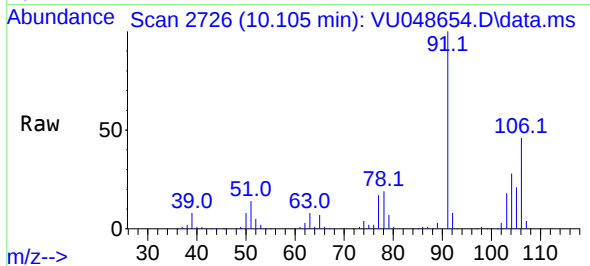
#54
o-Xylene
Concen: 54.014 ug/L
RT: 10.105 min Scan# 2710
Delta R.T. 0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS

Tgt Ion:106 Resp: 185010
Ion Ratio Lower Upper
106 100
91 215.9 150.1 278.9

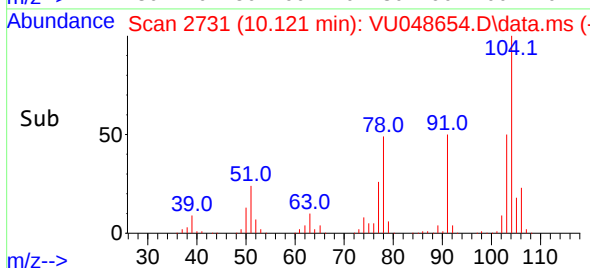
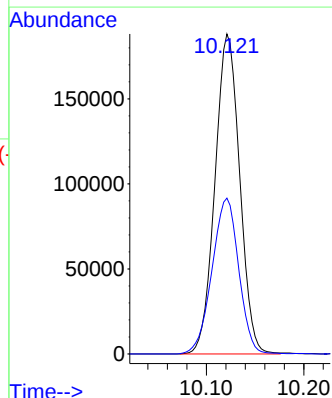
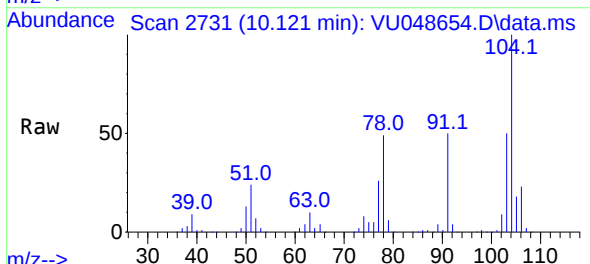
Manual Integrations
APPROVED

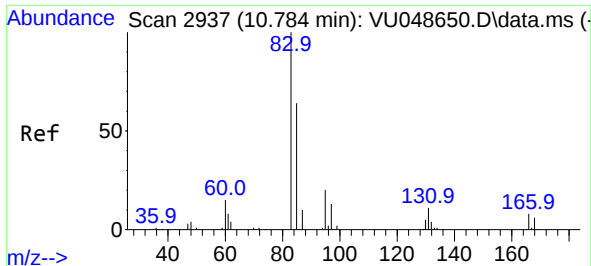
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#55
Styrene
Concen: 55.652 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.006 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

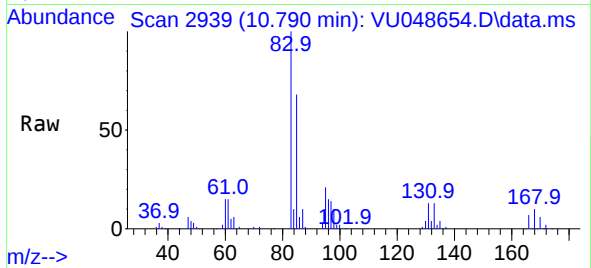
Tgt Ion:104 Resp: 331438
Ion Ratio Lower Upper
104 100
78 48.7 32.7 60.7





#57
1,1,2,2-Tetrachloroethane
Concen: 50.349 ug/L
RT: 10.790 min Scan# 2939
Delta R.T. 0.006 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

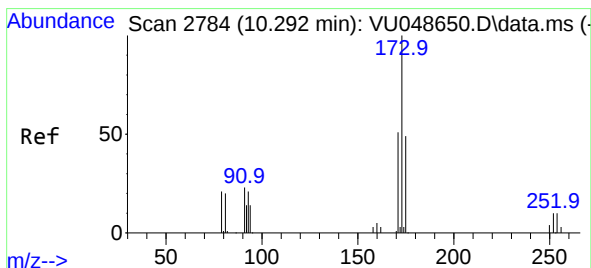
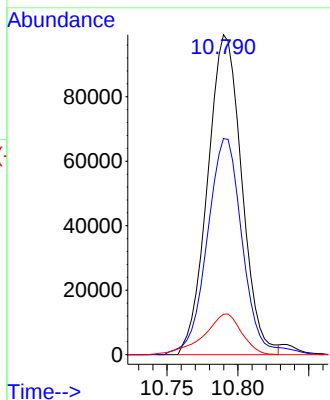
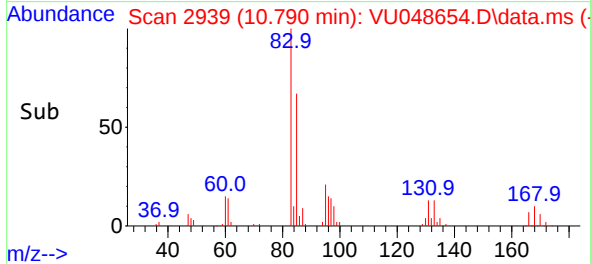
Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS



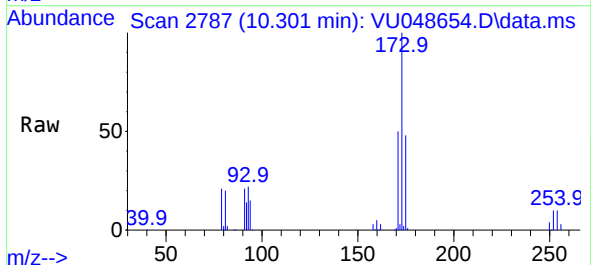
Tgt Ion: 83 Resp: 16643
Ion Ratio Lower Upper
83 100
85 67.6 44.1 81.9
131 12.7 8.9 13.3

Manual Integrations
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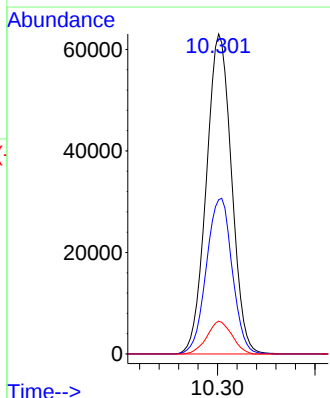
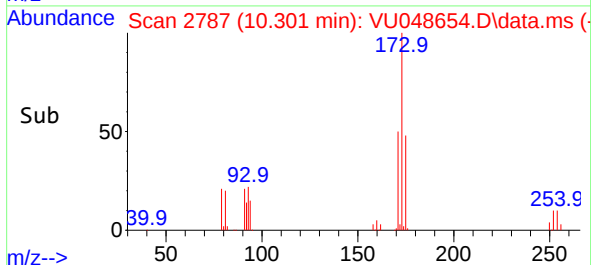
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

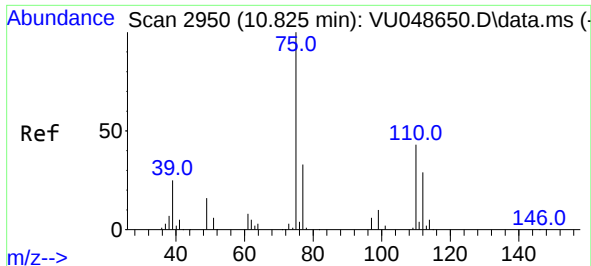


#59
Bromoform
Concen: 51.848 ug/L
RT: 10.301 min Scan# 2787
Delta R.T. 0.009 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45



Tgt Ion:173 Resp: 113292
Ion Ratio Lower Upper
173 100
175 49.9 38.2 57.4
254 10.1 7.7 11.5





#60
1,2,3-Trichloropropane
Concen: 47.809 ug/L
RT: 10.832 min Scan# 2950
Delta R.T. 0.006 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :

MSVOA_U

ClientSampleId :

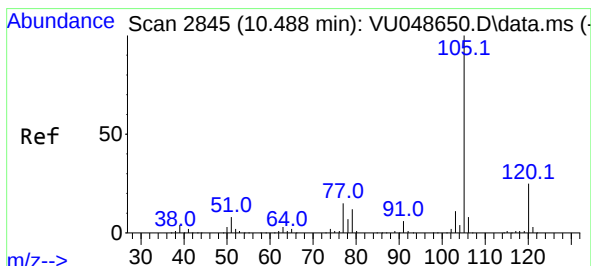
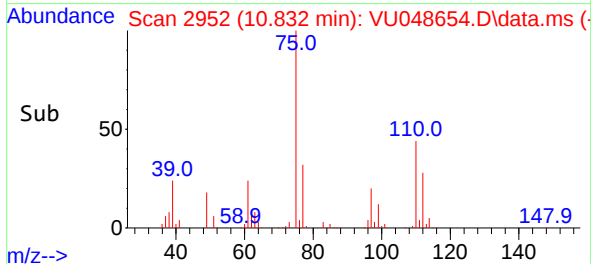
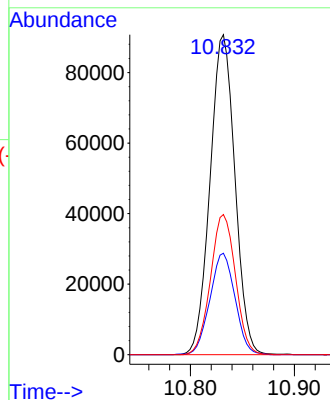
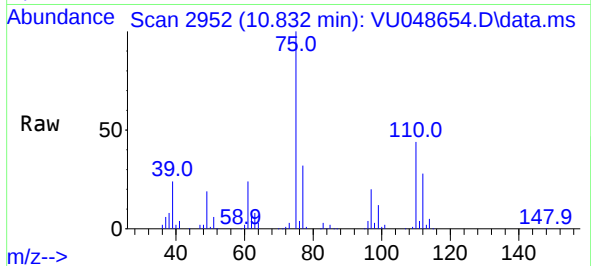
DBTF7MEMS

Tgt Ion: 75 Resp: 150722
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0
110 44.0 32.1 48.1

Manual Integrations

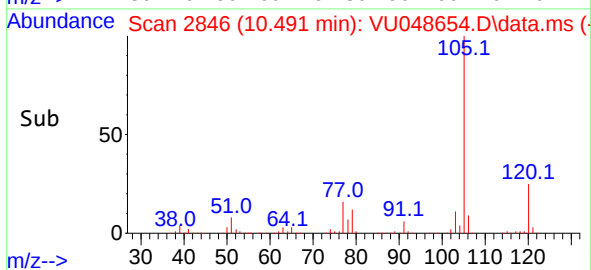
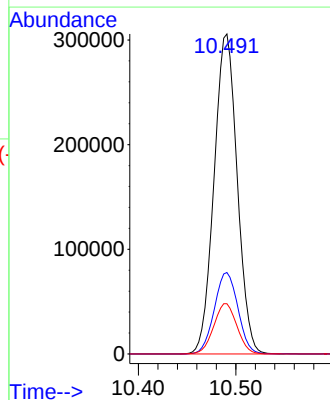
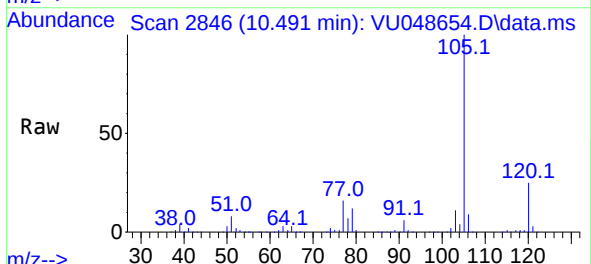
APPROVED

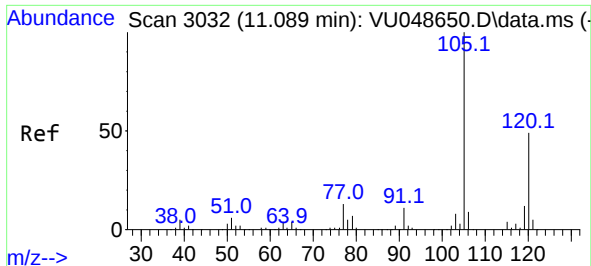
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#61
Isopropylbenzene
Concen: 51.562 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Tgt Ion:105 Resp: 504779
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 15.8 12.5 18.7





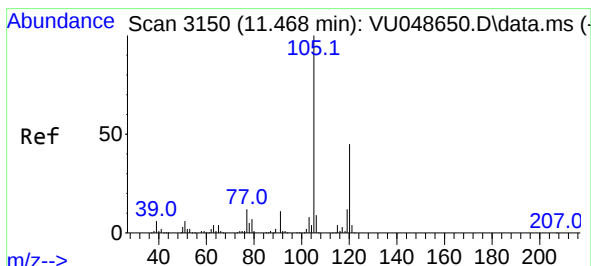
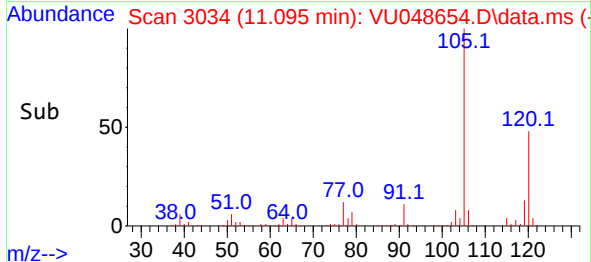
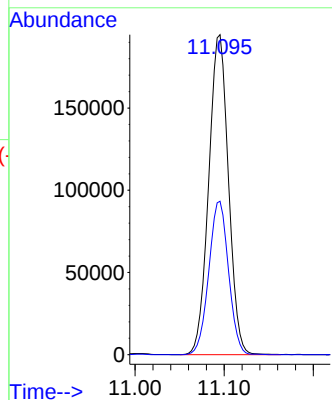
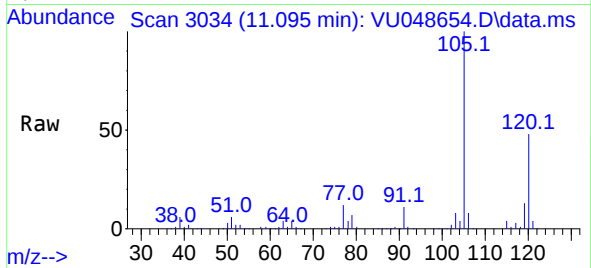
#62
1,3,5-Trimethylbenzene
Concen: 53.734 ug/L
RT: 11.095 min Scan# 3032
Delta R.T. 0.006 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS

Tgt Ion:105 Resp: 29906
Ion Ratio Lower Upper
105 100
120 47.9 38.5 57.7

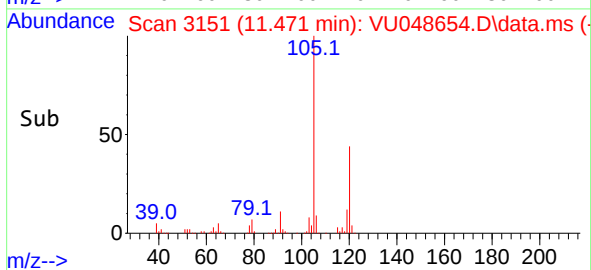
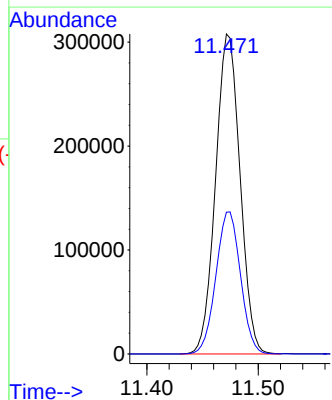
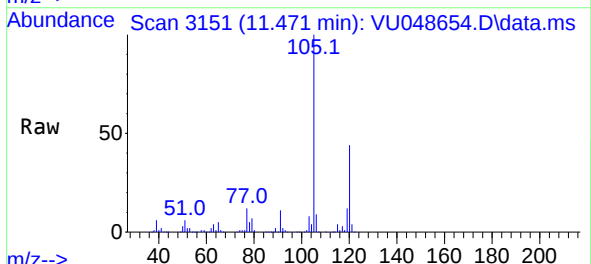
Manual Integrations
APPROVED

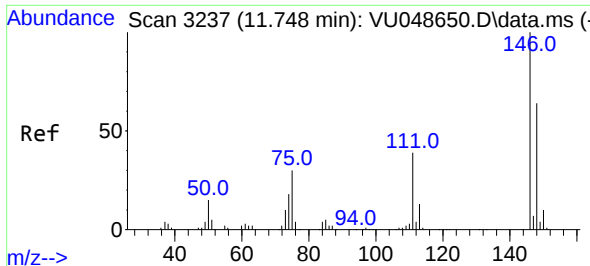
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#63
1,2,4-Trimethylbenzene
Concen: 54.299 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Tgt Ion:105 Resp: 469928
Ion Ratio Lower Upper
105 100
120 44.6 35.4 53.2





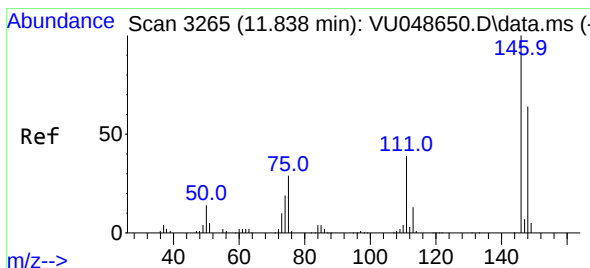
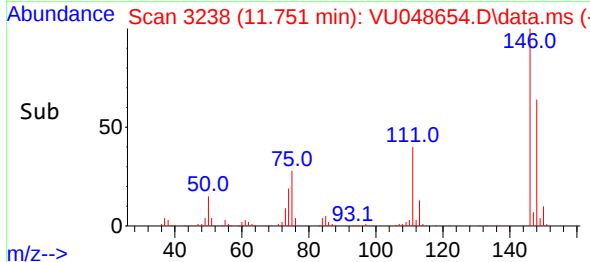
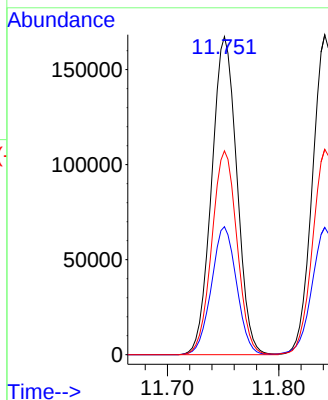
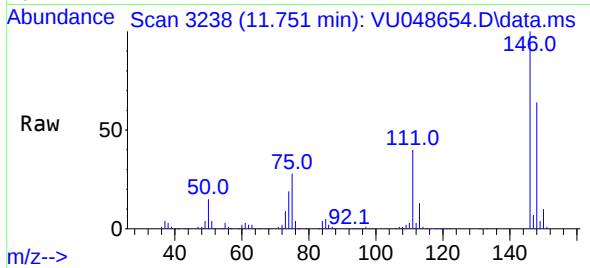
#64
1,3-Dichlorobenzene
Concen: 52.190 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS

Tgt Ion:146 Resp: 26348
Ion Ratio Lower Upper
146 100
111 40.2 28.7 53.3
148 64.1 43.7 81.1

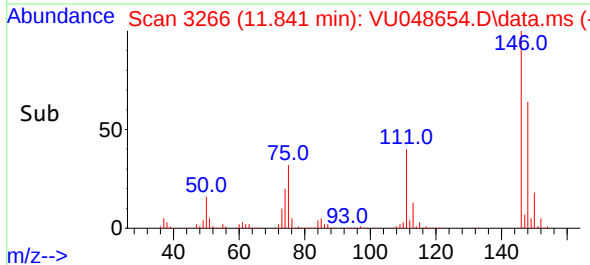
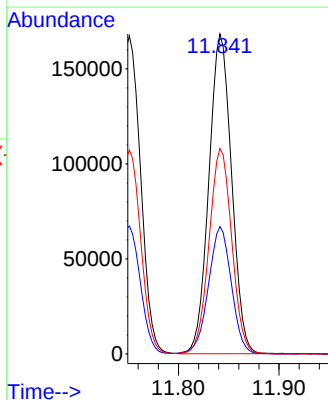
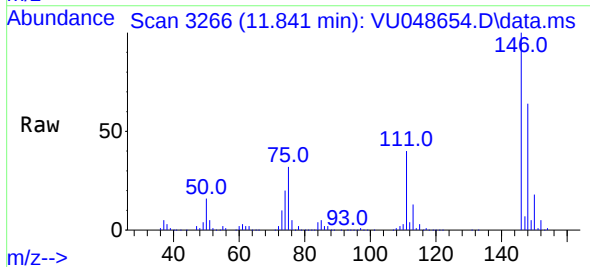
Manual Integrations
APPROVED

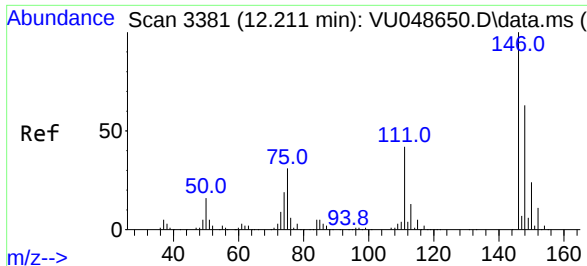
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#65
1,4-Dichlorobenzene
Concen: 50.323 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Tgt Ion:146 Resp: 263633
Ion Ratio Lower Upper
146 100
111 39.8 27.6 51.2
148 64.2 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 50.095 ug/L

RT: 12.217 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU048654.D

Acq: 23 May 2022 15:45

Instrument :

MSVOA_U

ClientSampleId :

DBTF7MEMS

Tgt Ion:146 Resp: 25723

Ion Ratio Lower Upper

146 100

111 40.9 34.1 51.1

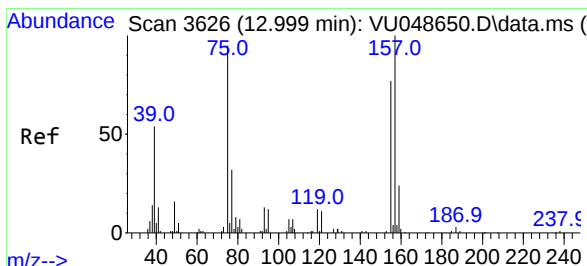
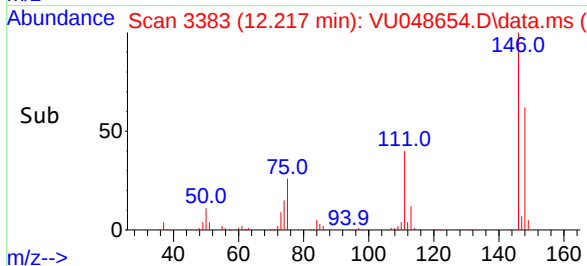
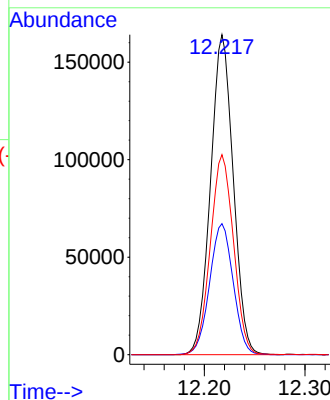
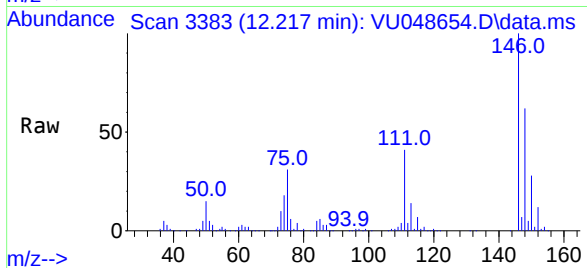
148 62.5 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/25/2022

Supervised By :Mahesh Dadoda 05/25/2022



#68

1,2-Dibromo-3-chloropropane

Concen: 42.386 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU048654.D

Acq: 23 May 2022 15:45

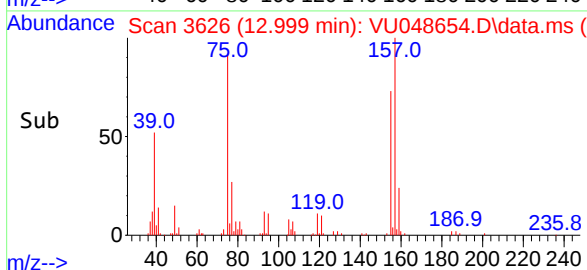
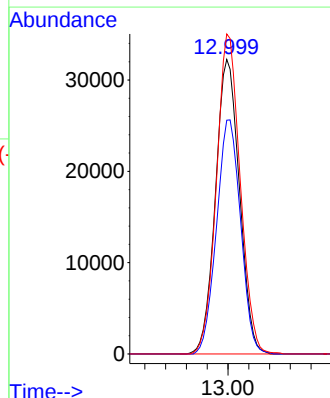
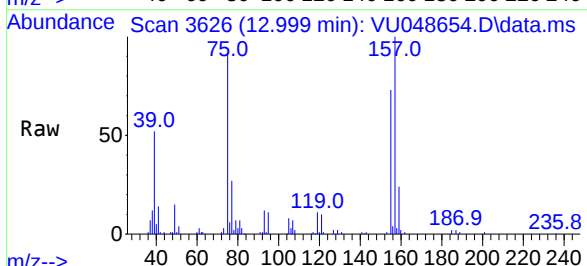
Tgt Ion: 75 Resp: 51664

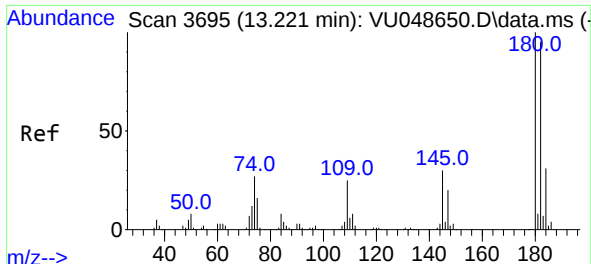
Ion Ratio Lower Upper

75 100

155 79.3 63.5 95.3

157 108.6 83.5 125.3





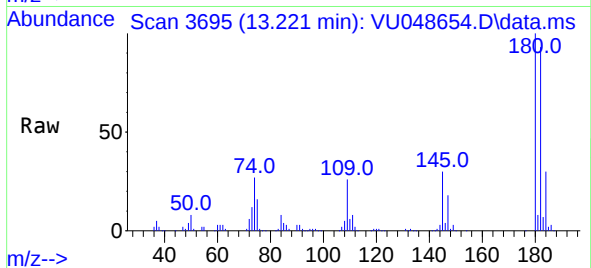
#69
1,3,5-Trichlorobenzene
Concen: 50.167 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. -0.000 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :

MSVOA_U

ClientSampleId :

DBTF7MEMS



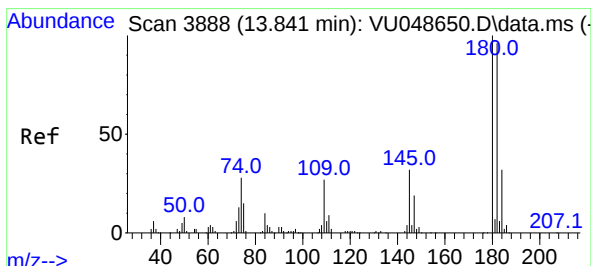
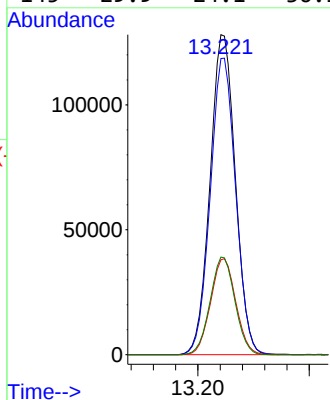
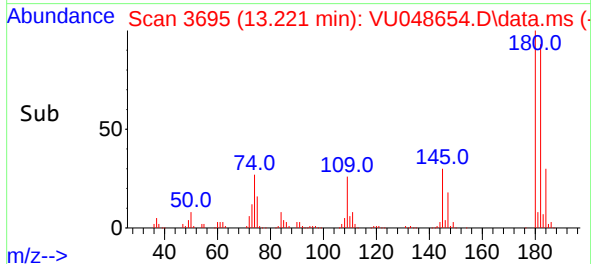
Tgt Ion:180 Resp: 20186
Ion Ratio Lower Upper
180 100
182 93.0 75.8 113.6
184 29.8 23.4 35.2
145 29.9 24.1 36.1

Manual Integrations

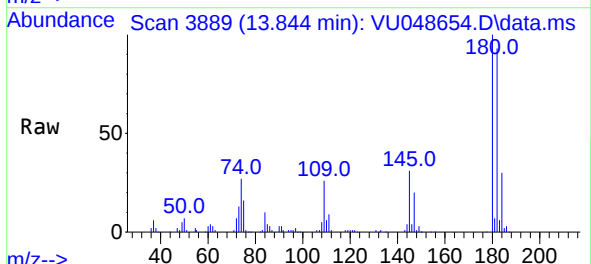
APPROVED

Reviewed By :John Carlone 05/25/2022

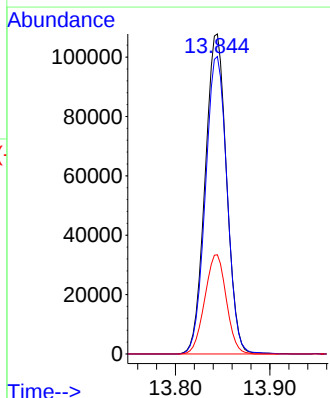
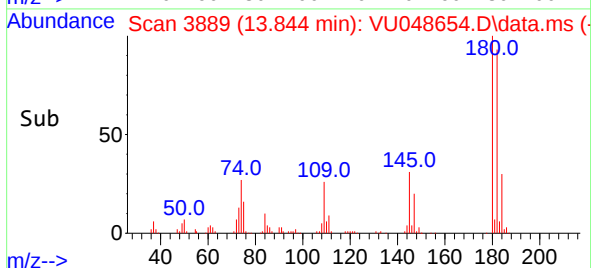
Supervised By :Mahesh Dadoda 05/25/2022

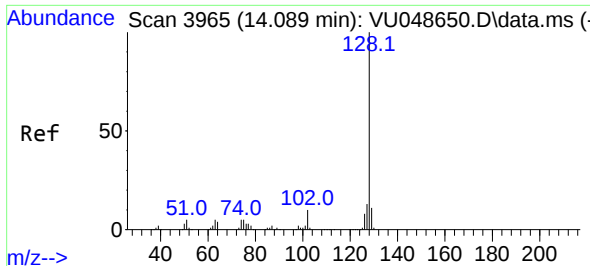


#70
1,2,4-trichlorobenzene
Concen: 46.640 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45



Tgt Ion:180 Resp: 169740
Ion Ratio Lower Upper
180 100
182 93.9 75.8 113.8
145 31.1 24.9 37.3





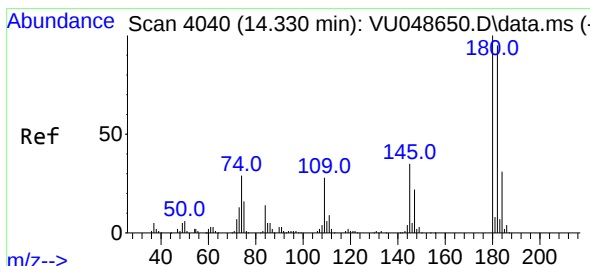
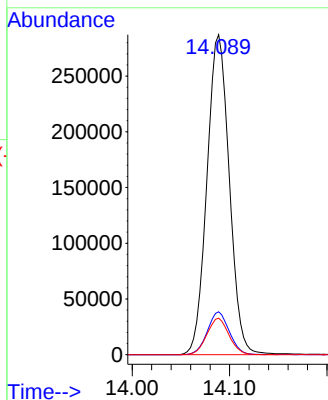
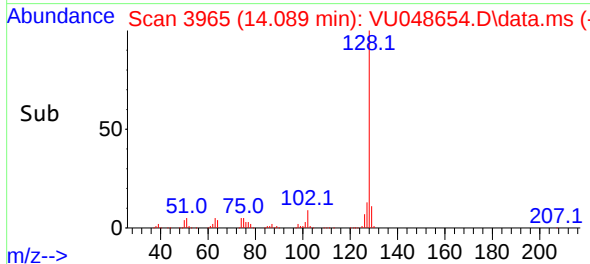
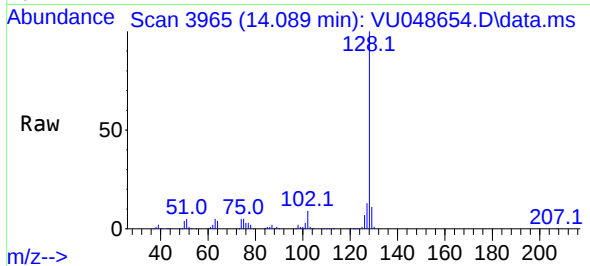
#71
Naphthalene
Concen: 38.151 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Instrument :
MSVOA_U
ClientSampleId :
DBTF7MEMS

Tgt Ion:128 Resp: 457825
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.3 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#72
1,2,3-Trichlorobenzene
Concen: 47.152 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU048654.D
Acq: 23 May 2022 15:45

Tgt Ion:180 Resp: 172294
Ion Ratio Lower Upper
180 100
182 94.6 75.6 113.4
145 32.5 27.1 40.7

