

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051322\
 Data File : VU048572.D
 Acq On : 13 May 2022 19:13
 Operator : SY/MD
 Sample : N2766-02MEMS
 Misc : 7.67g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW4F3MEMS

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 14 04:19:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 14 04:14:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	282569	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	289966	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	179323	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	60492m	24.858	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	49.720%#		
7) Chloroethane-d5	1.871	69	52265m	32.908	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery =	65.820%#		
11) 1,1-Dichloroethene-d2	2.536	63	141158	32.592	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.180%		
21) 2-Butanone-d5	4.633	46	148376	71.593	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	71.590%		
24) Chloroform-d	5.063	84	166770	39.455	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	78.900%		
26) 1,2-Dichloroethane-d4	5.700	65	116832	42.521	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.040%		
32) Benzene-d6	5.719	84	286302	32.492	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	64.980%#		
36) 1,2-Dichloropropane-d6	6.690	67	92119	32.059	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	64.120%#		
41) Toluene-d8	7.896	98	276863	35.527	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	71.060%#		
43) trans-1,3-Dichloroprop...	8.182	79	53485	40.441	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.880%		
47) 2-Hexanone-d5	8.652	63	117470	84.465	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.470%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	166871	38.126	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	76.260%		
66) 1,2-Dichlorobenzene-d4	12.195	152	132494	37.313	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	74.620%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.379	85	117245m	45.868	ug/L	
3) Chloromethane	1.517	50	95579	32.691	ug/L	98
5) Vinyl chloride	1.601	62	105187m	37.870	ug/L	
6) Bromomethane	1.826	94	70365	51.227	ug/L	99
8) Chloroethane	1.890	64	65422m	43.810	ug/L	
9) Trichlorofluoromethane	2.073	101	173628	47.578	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.546	101	92774	44.301	ug/L	95
12) 1,1-Dichloroethene	2.546	96	84826	42.842	ug/L	88
13) Acetone	2.642	43	115769	74.093	ug/L	97
14) Carbon disulfide	2.761	76	232522	37.888	ug/L	100
15) Methyl Acetate	2.951	43	118752	37.099	ug/L #	90
16) Methylene chloride	3.031	84	103110	42.584	ug/L	90
17) trans-1,2-Dichloroethene	3.334	96	94347	44.663	ug/L	95
18) Methyl tert-butyl Ether	3.369	73	343444	48.278	ug/L	97
19) 1,1-Dichloroethane	3.858	63	184098	42.266	ug/L	97
20) cis-1,2-Dichloroethene	4.658	96	109634	45.992	ug/L	94
22) 2-Butanone	4.713	43	194984	83.481	ug/L	100
23) Bromochloromethane	4.973	128	59736	47.551	ug/L	82
25) Chloroform	5.086	83	204724	47.597	ug/L	98

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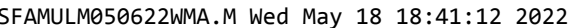
Quant Time: May 14 04:19:12 2022
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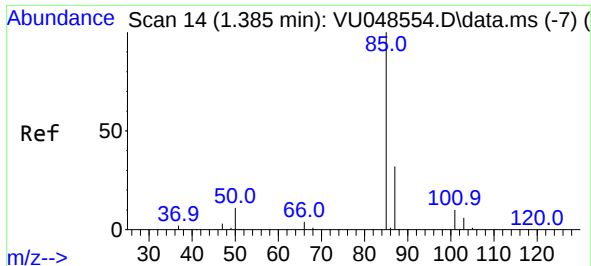
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	179614	50.791	ug/L	97
29) Cyclohexane	5.378	56	144515	36.117	ug/L	88
30) 1,1,1-Trichloroethane	5.308	97	198088	49.191	ug/L	98
31) Carbon tetrachloride	5.517	117	174311	50.552	ug/L	99
33) Benzene	5.768	78	413178	41.385	ug/L	100
34) Trichloroethene	6.539	95	112233	45.732	ug/L	99
35) Methylcyclohexane	6.758	83	161708	41.299	ug/L	94
37) 1,2-Dichloropropane	6.790	63	105838	37.982	ug/L #	96
38) Bromodichloromethane	7.105	83	157824	46.516	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	174143	43.937	ug/L	99
40) 4-Methyl-2-pentanone	7.803	43	340492	76.263	ug/L #	94
42) Toluene	7.970	91	454452	44.103	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	189045	49.082	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	115742	45.930	ug/L	97
46) Tetrachloroethene	8.552	164	90444	49.057	ug/L	98
48) 2-Hexanone	8.703	43	295192	79.556	ug/L	99
49) Dibromochloromethane	8.816	129	138415	51.147	ug/L	96
50) 1,2-Dibromoethane	8.925	107	126498	47.488	ug/L	98
51) Chlorobenzene	9.449	112	311720	48.012	ug/L	97
52) Ethylbenzene	9.574	91	517181	48.182	ug/L	98
53) m,p-Xylene	9.697	106	205938	49.704	ug/L	99
54) o-Xylene	10.105	106	204987	49.176	ug/L	96
55) Styrene	10.121	104	366667	54.102	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.790	83	206255	43.670	ug/L	99
59) Bromoform	10.301	173	115574	45.444	ug/L	98
60) 1,2,3-Trichloropropane	10.828	75	181501	38.774	ug/L	97
61) Isopropylbenzene	10.488	105	547704	43.588	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	316257	45.657	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	499795	48.449	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	276407	46.640	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	278325	46.842	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	272770	44.977	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	57479	41.895	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	208370	49.728	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	181730	49.941	ug/L	100
71) Naphthalene	14.086	128	577088	41.181	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	181415	46.874	ug/L	100

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

Manual Integrations APPROVED

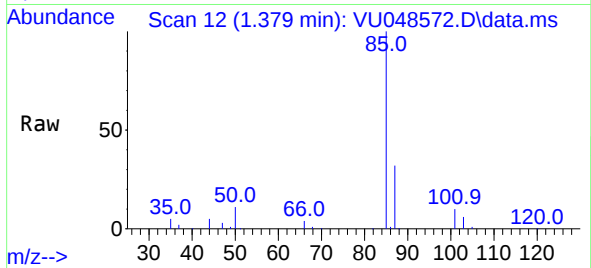
Quant Time: May 14 04:19:12 2022
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Quant Title : VOC Analysis
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#2
Dichlorodifluoromethane
Concen: 45.868 ug/L m
RT: 1.379 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

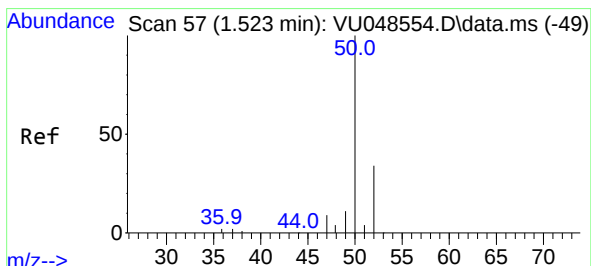
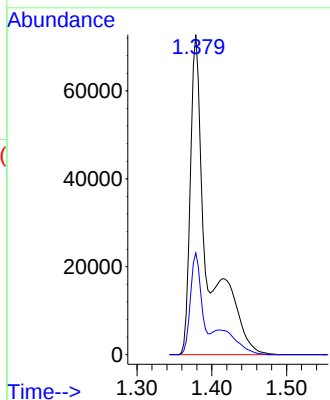
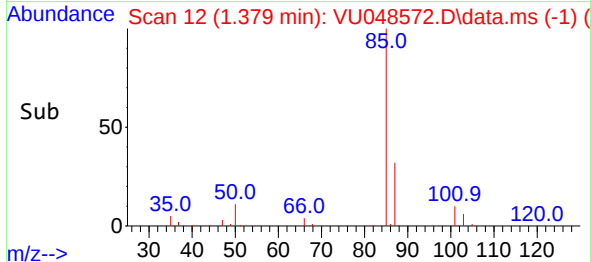
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



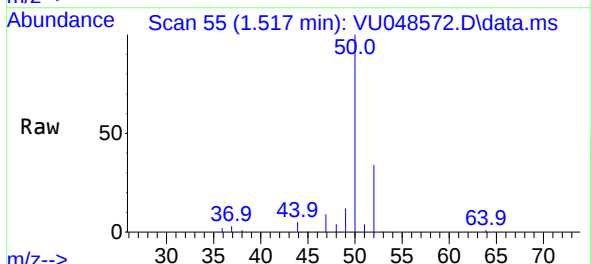
Tgt Ion: 85 Resp: 117245
Ion Ratio Lower Upper
85 100
87 21.3 26.2 39.4

Manual Integrations
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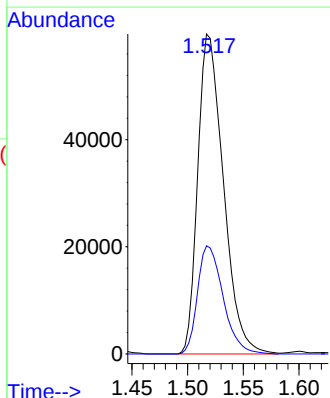
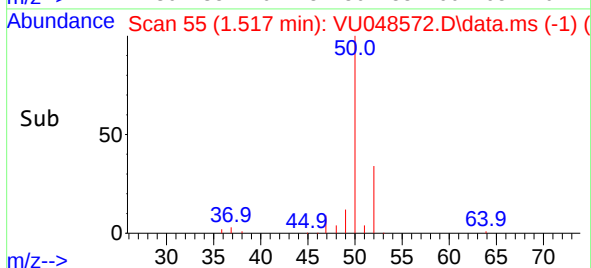
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

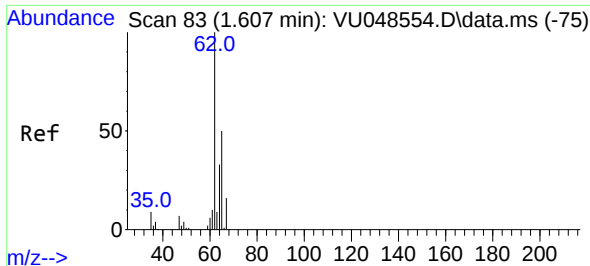


#3
Chloromethane
Concen: 32.691 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13



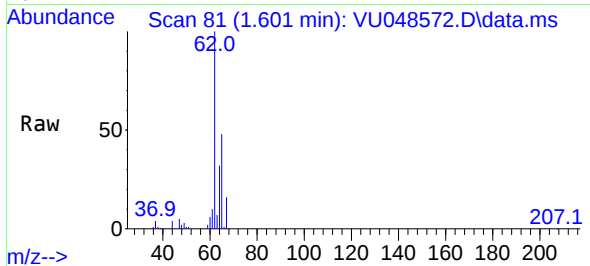
Tgt Ion: 50 Resp: 95579
Ion Ratio Lower Upper
50 100
52 33.8 23.0 42.8





#5
 Vinyl chloride
 Concen: 37.870 ug/L m
 RT: 1.601 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: VU048572.D
 Acq: 13 May 2022 19:13

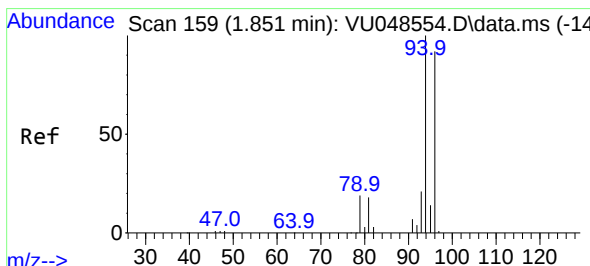
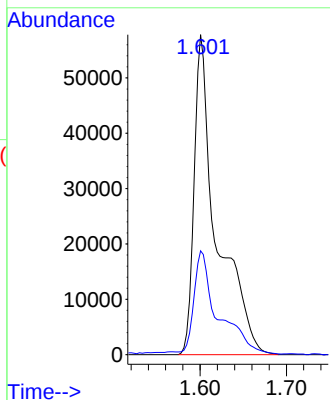
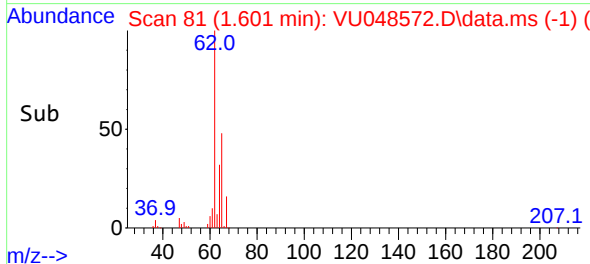
Instrument :
 MSVOA_U
 ClientSampleId :
 EW4F3MEMS



Tgt Ion: 62 Resp: 10518
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.2 43.0

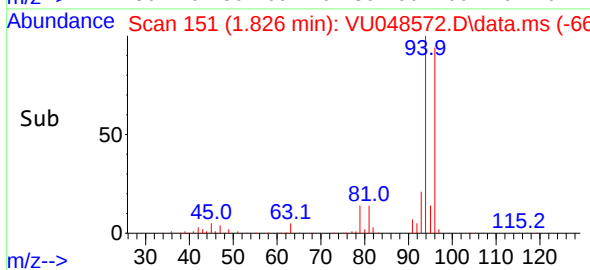
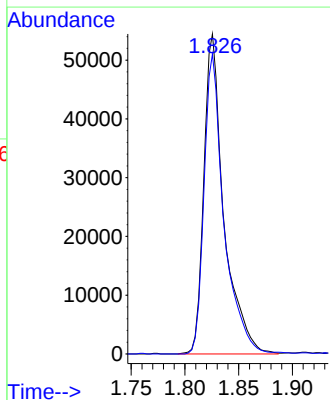
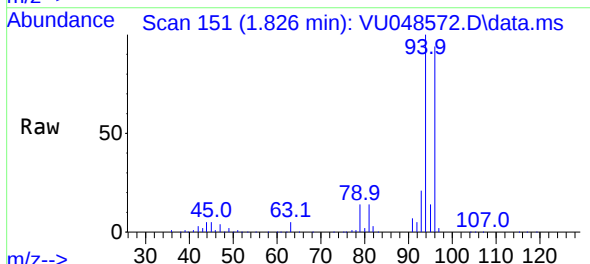
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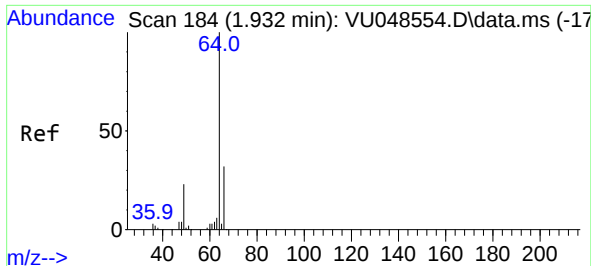
Reviewed By :John Carlone 05/18/2022
 Supervised By :Mahesh Dadoda 05/18/2022



#6
 Bromomethane
 Concen: 51.227 ug/L
 RT: 1.826 min Scan# 151
 Delta R.T. -0.026 min
 Lab File: VU048572.D
 Acq: 13 May 2022 19:13

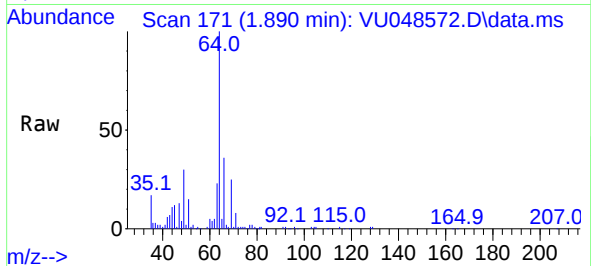
Tgt Ion: 94 Resp: 70365
 Ion Ratio Lower Upper
 94 100
 96 93.7 66.5 123.5





#8
Chloroethane
Concen: 43.810 ug/L m
RT: 1.890 min Scan# 11
Delta R.T. -0.042 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

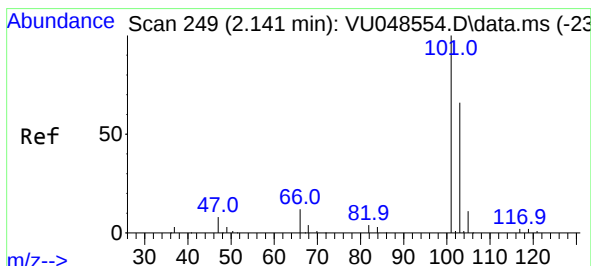
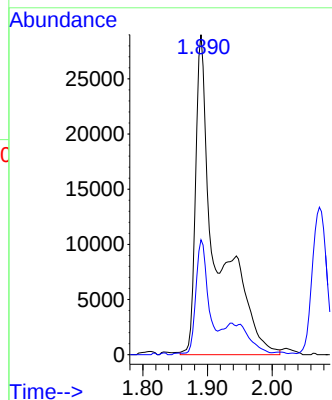
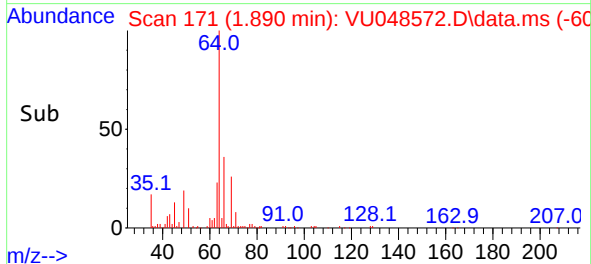
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



Tgt Ion: 64 Resp: 6542
Ion Ratio Lower Upper
64 100
66 35.9 22.8 42.4

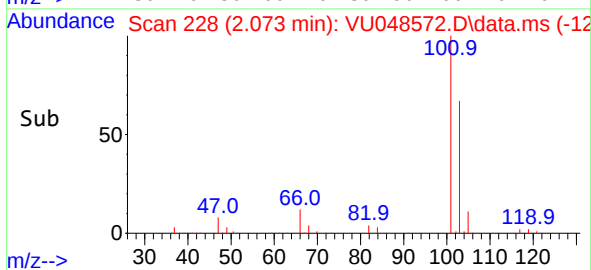
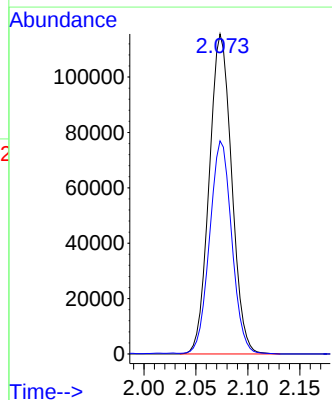
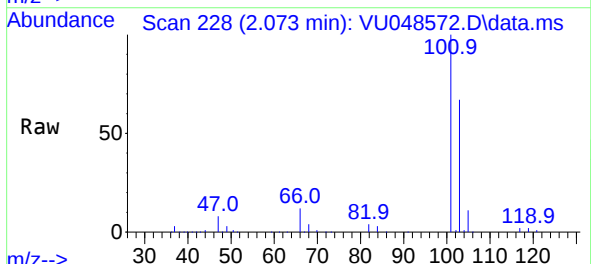
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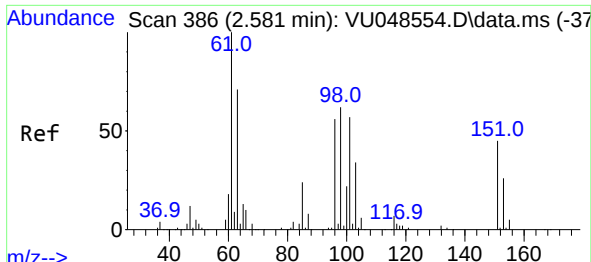
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#9
Trichlorofluoromethane
Concen: 47.578 ug/L
RT: 2.073 min Scan# 228
Delta R.T. -0.067 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

Tgt Ion:101 Resp: 173628
Ion Ratio Lower Upper
101 100
103 65.7 52.0 78.0





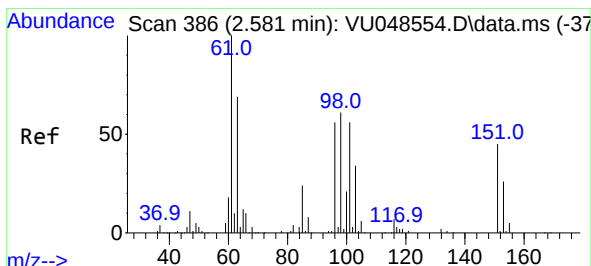
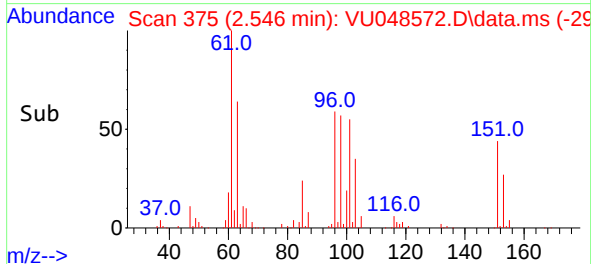
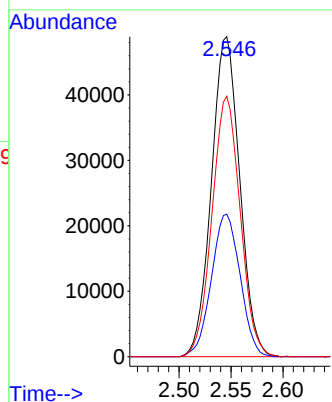
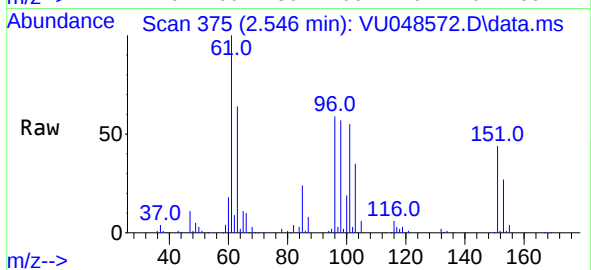
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.301 ug/L
RT: 2.546 min Scan# 375
Delta R.T. -0.035 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS

Tgt Ion:101 Resp: 92774
Ion Ratio Lower Upper
101 100
85 45.2 34.8 52.2
151 81.1 60.7 91.1

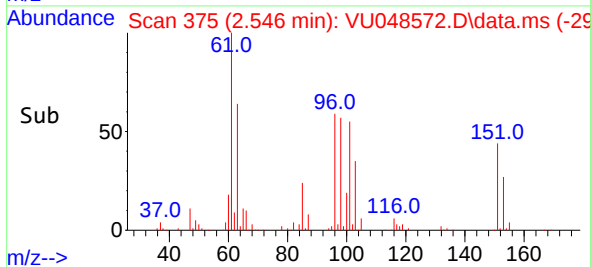
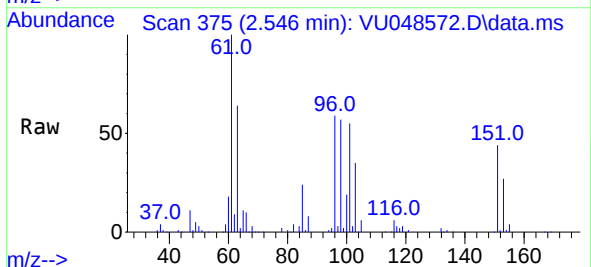
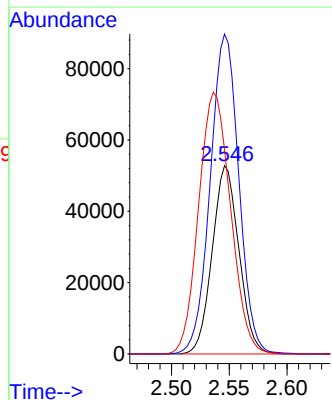
Manual Integrations
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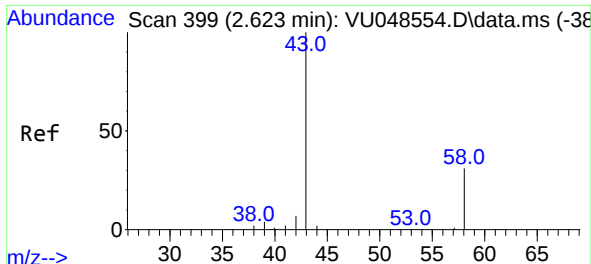
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#12
1,1-Dichloroethene
Concen: 42.842 ug/L
RT: 2.546 min Scan# 375
Delta R.T. -0.035 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

Tgt Ion: 96 Resp: 84826
Ion Ratio Lower Upper
96 100
61 169.9 124.5 231.3
63 108.6 92.5 171.9





#13

Acetone

Concen: 74.093 ug/L

RT: 2.642 min Scan# 405

Delta R.T. 0.019 min

Lab File: VU048572.D

Acq: 13 May 2022 19:13

Instrument :

MSVOA_U

ClientSampleId :

EW4F3MEMS

Tgt Ion: 43 Resp: 115769

Ion Ratio Lower Upper

43 100

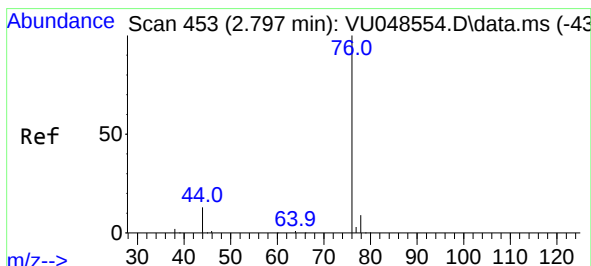
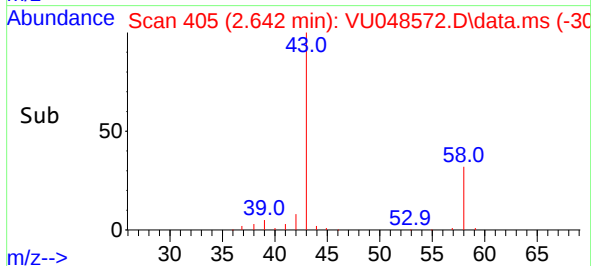
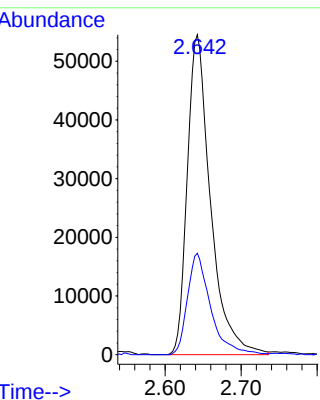
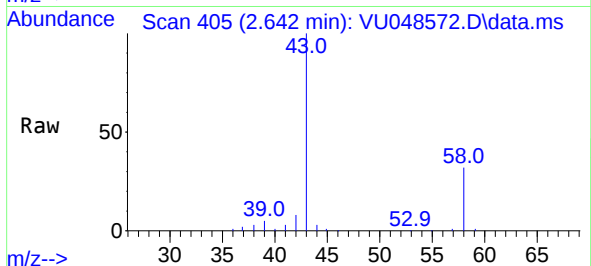
58 31.6 0.0 66.2

Manual Integrations

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Reviewed By :John Carlone 05/18/2022

Supervised By :Mahesh Dadoda 05/18/2022



#14

Carbon disulfide

Concen: 37.888 ug/L

RT: 2.761 min Scan# 442

Delta R.T. -0.035 min

Lab File: VU048572.D

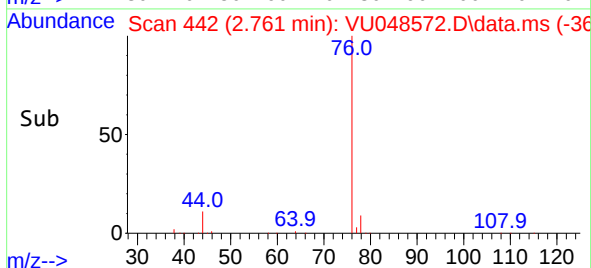
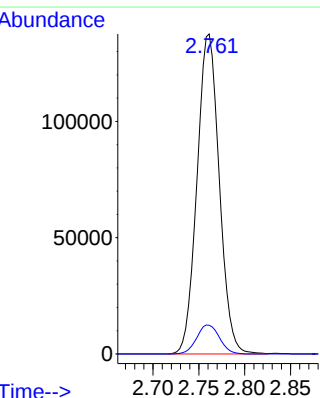
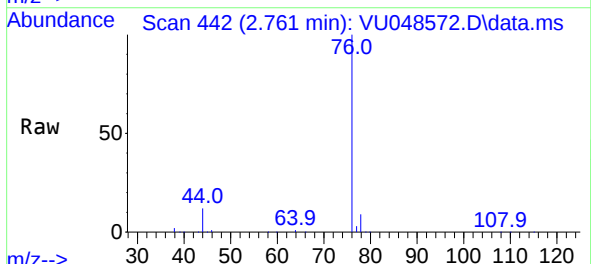
Acq: 13 May 2022 19:13

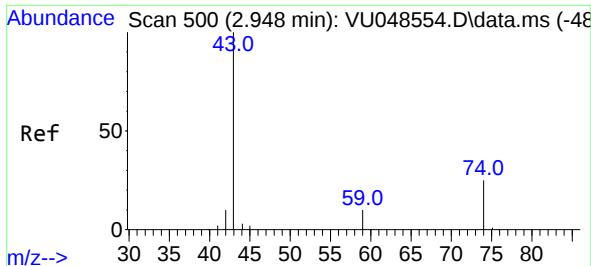
Tgt Ion: 76 Resp: 232522

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





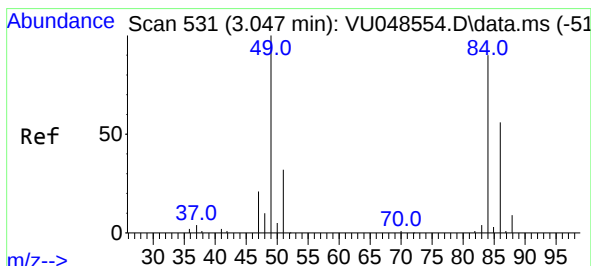
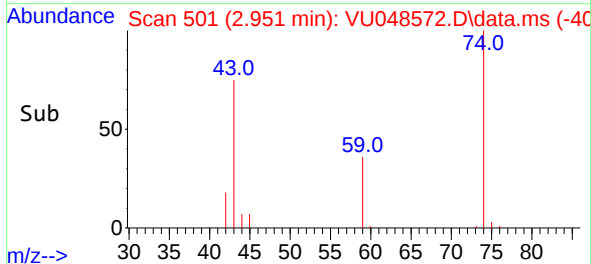
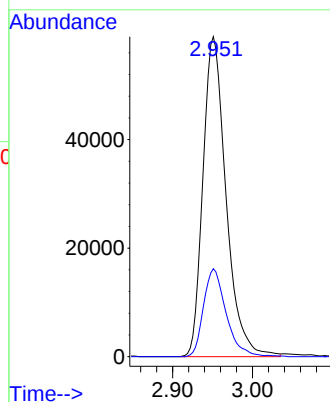
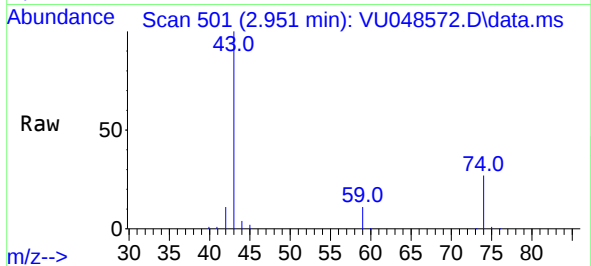
#15
Methyl Acetate
Concen: 37.099 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS

Tgt Ion: 43 Resp: 118752
Ion Ratio Lower Upper
43 100
74 26.7 17.6 26.4

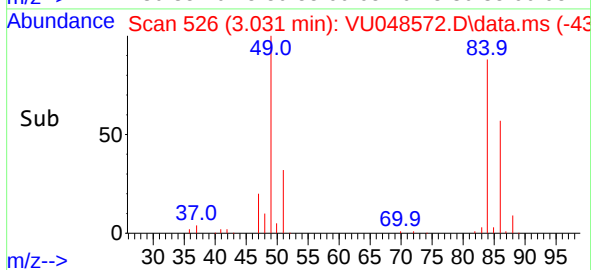
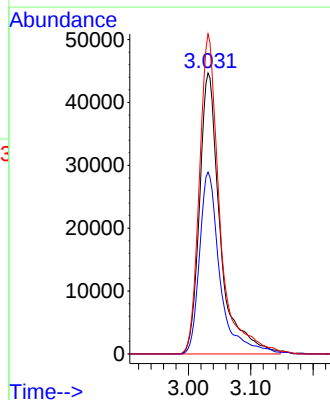
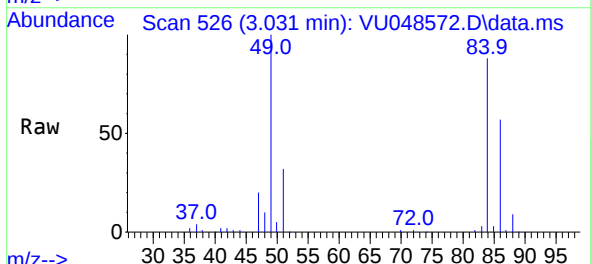
Manual Integrations
APPROVED

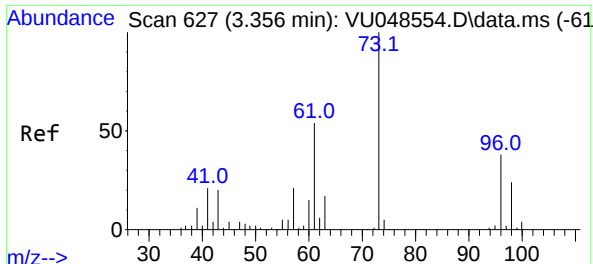
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#16
Methylene chloride
Concen: 42.584 ug/L
RT: 3.031 min Scan# 526
Delta R.T. -0.016 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

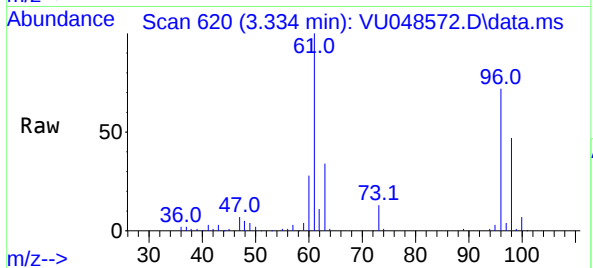
Tgt Ion: 84 Resp: 103110
Ion Ratio Lower Upper
84 100
86 64.7 44.8 83.2
49 113.9 92.0 170.8





#17
trans-1,2-Dichloroethene
Concen: 44.663 ug/L
RT: 3.334 min Scan# 611
Delta R.T. -0.022 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

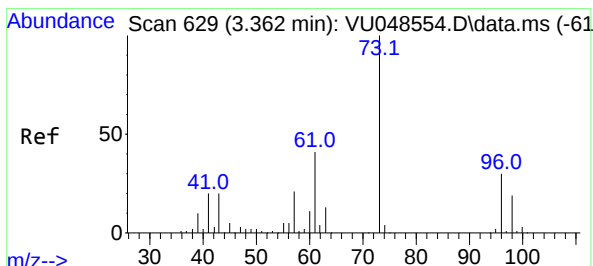
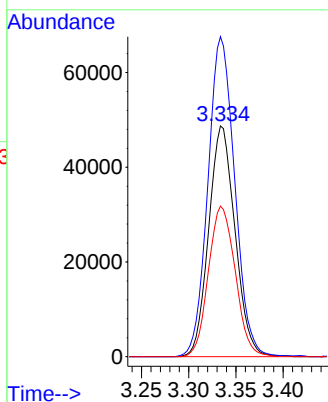
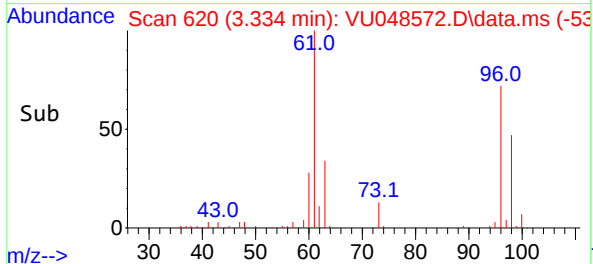
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



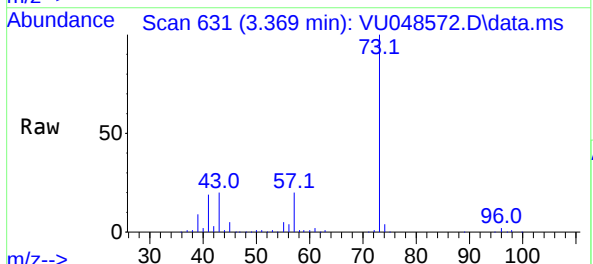
Tgt Ion: 96 Resp: 9434
Ion Ratio Lower Upper
96 100
61 138.7 101.2 187.8
98 65.2 43.3 80.3

Manual Integrations
APPROVED

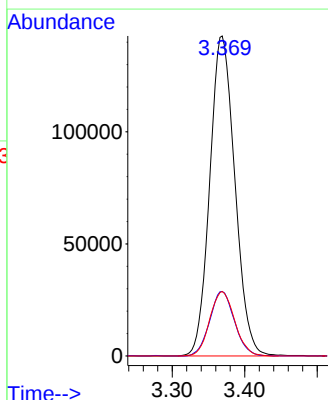
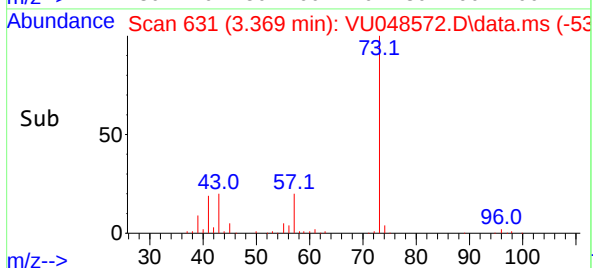
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

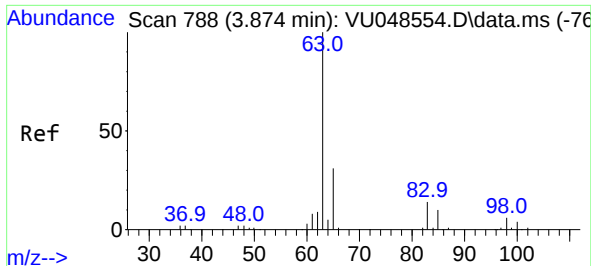


#18
Methyl tert-butyl Ether
Concen: 48.278 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.006 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13



Tgt Ion: 73 Resp: 343444
Ion Ratio Lower Upper
73 100
43 19.9 15.6 23.4
57 20.0 18.1 27.1





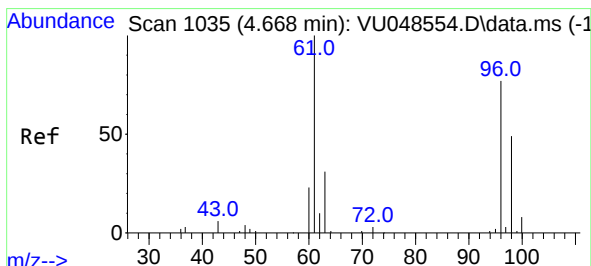
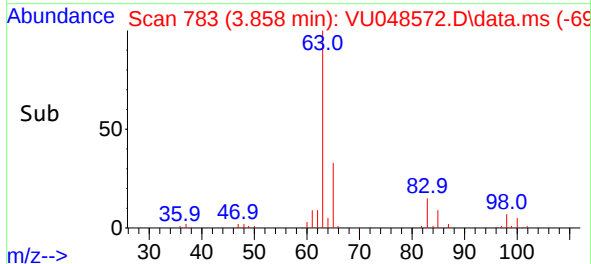
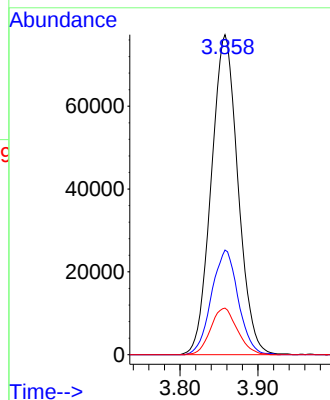
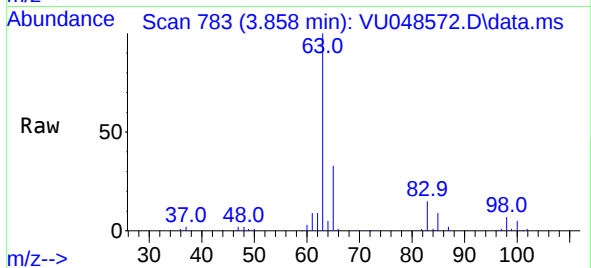
#19
1,1-Dichloroethane
Concen: 42.266 ug/L
RT: 3.858 min Scan# 783
Delta R.T. -0.016 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS

Tgt Ion: 63 Resp: 184098
Ion Ratio Lower Upper
63 100
65 32.7 22.0 41.0
83 14.5 8.5 15.9

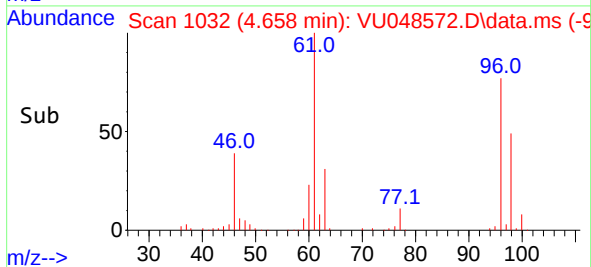
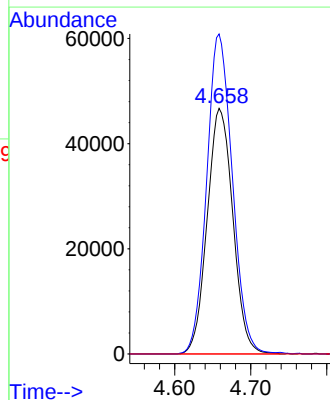
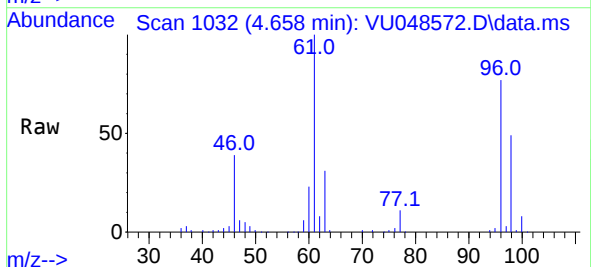
Manual Integrations
APPROVED

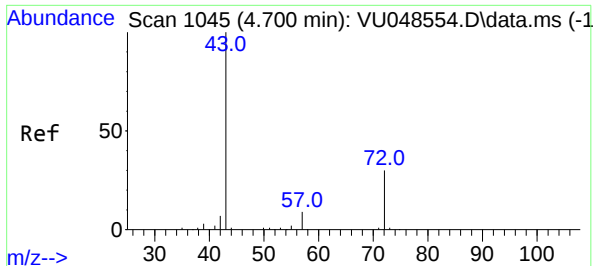
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#20
cis-1,2-Dichloroethene
Concen: 45.992 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.010 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

Tgt Ion: 96 Resp: 109634
Ion Ratio Lower Upper
96 100
61 130.3 96.2 178.8
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 83.481 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. 0.013 min

Lab File: VU048572.D

Acq: 13 May 2022 19:13

Instrument :

MSVOA_U

ClientSampleId :

EW4F3MEMS

Tgt Ion: 43 Resp: 194984

Ion Ratio Lower Upper

43 100

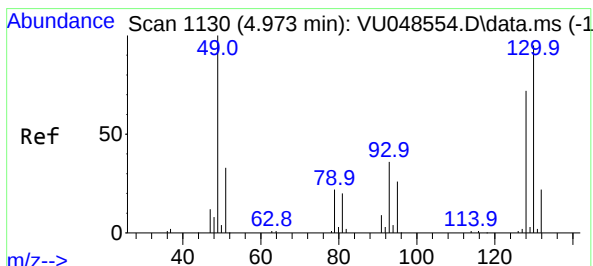
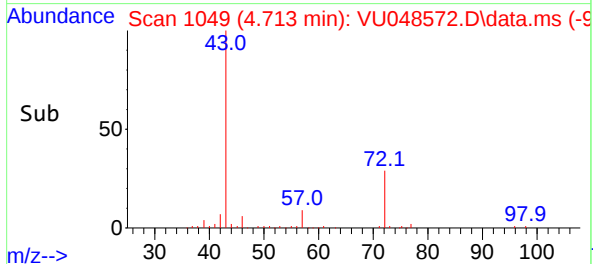
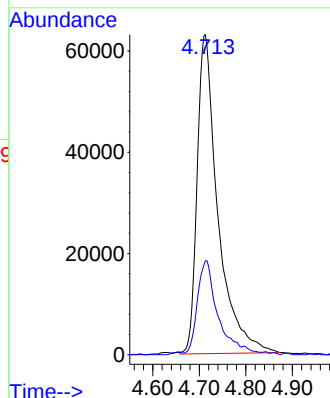
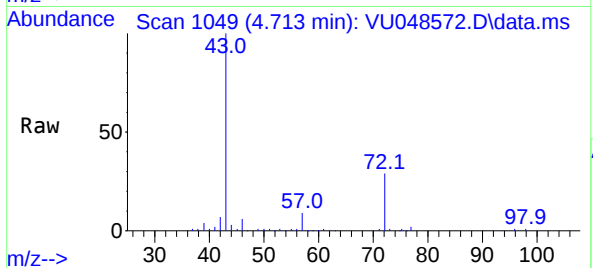
72 26.8 13.3 39.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2022

Supervised By :Mahesh Dadoda 05/18/2022



#23

Bromochloromethane

Concen: 47.551 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU048572.D

Acq: 13 May 2022 19:13

Tgt Ion:128 Resp: 59736

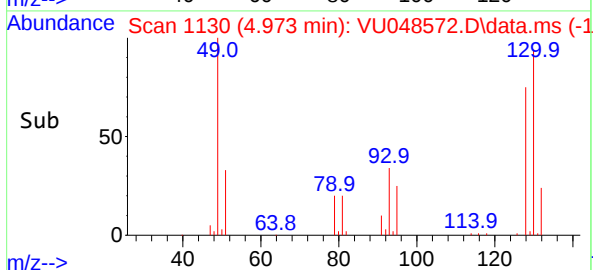
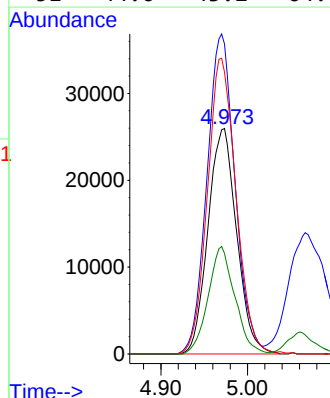
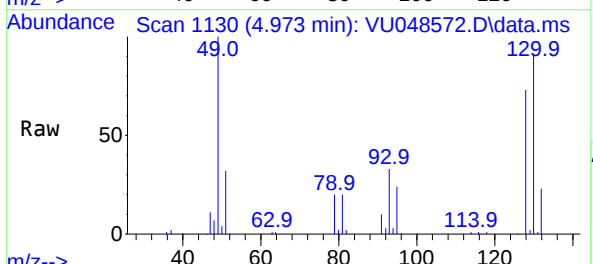
Ion Ratio Lower Upper

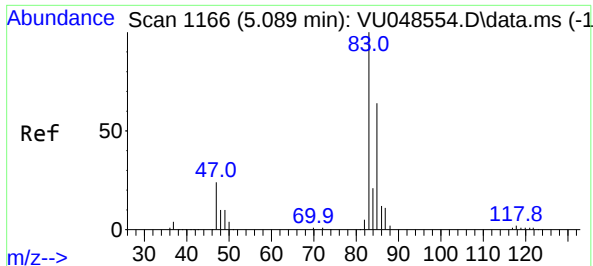
128 100

49 137.5 123.1 228.7

130 125.0 93.6 173.8

51 44.6 43.2 64.8





#25

Chloroform

Concen: 47.597 ug/L

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU048572.D

Acq: 13 May 2022 19:13

Instrument :

MSVOA_U

ClientSampleId :

EW4F3MEMS

Tgt Ion: 83 Resp: 204724

Ion Ratio Lower Upper

83 100

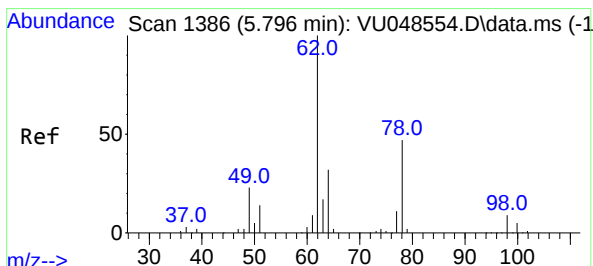
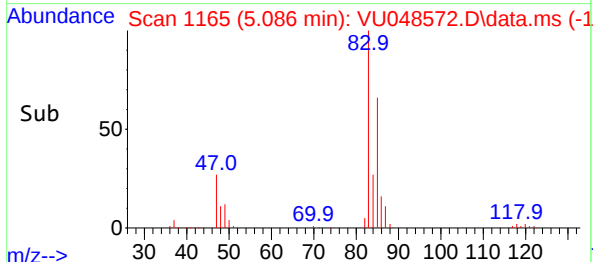
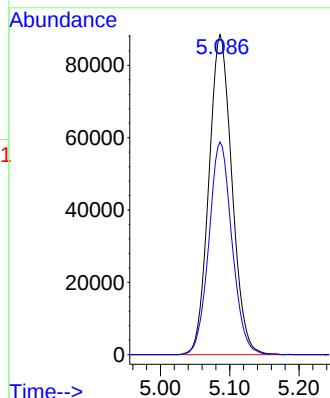
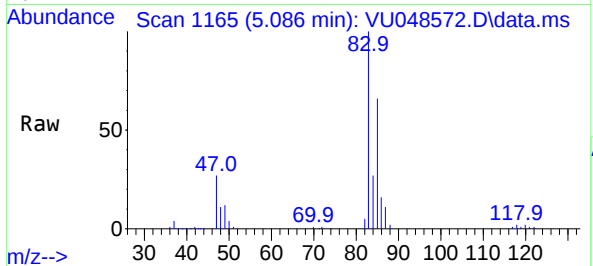
85 66.5 45.4 84.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2022

Supervised By :Mahesh Dadoda 05/18/2022



#27

1,2-Dichloroethane

Concen: 50.791 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.003 min

Lab File: VU048572.D

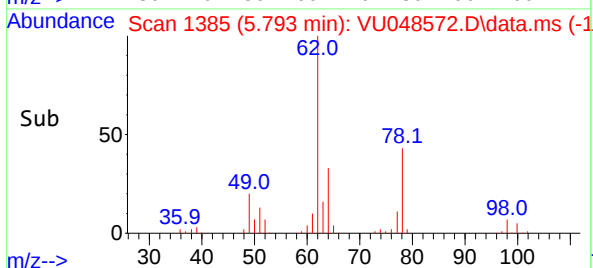
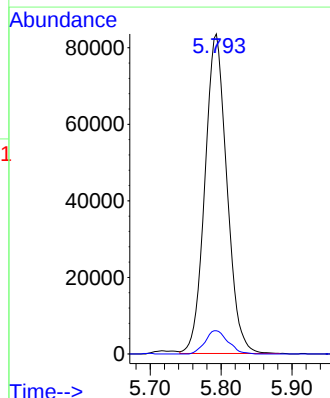
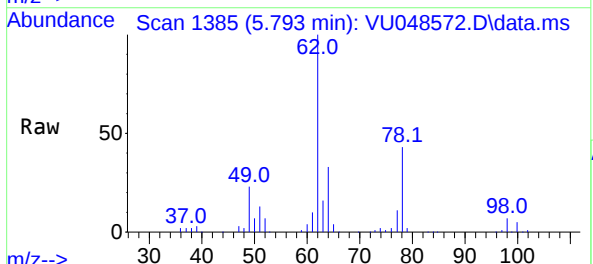
Acq: 13 May 2022 19:13

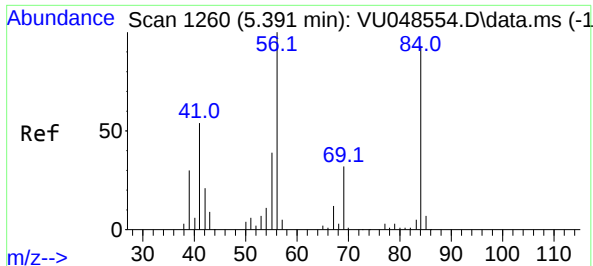
Tgt Ion: 62 Resp: 179614

Ion Ratio Lower Upper

62 100

98 7.3 6.8 10.2





#29

Cyclohexane

Concen: 36.117 ug/L

RT: 5.378 min Scan# 11

Delta R.T. -0.013 min

Lab File: VU048572.D

Acq: 13 May 2022 19:13

Instrument :

MSVOA_U

ClientSampleId :

EW4F3MEMS

Tgt Ion: 56 Resp: 14451

Ion Ratio Lower Upper

56 100

69 33.6 23.4 35.0

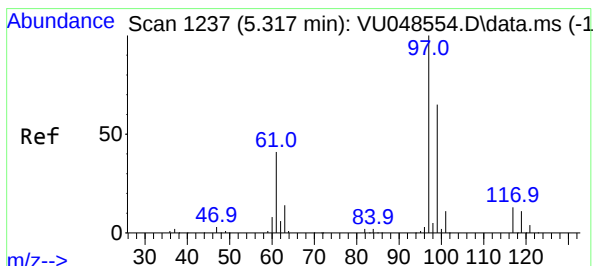
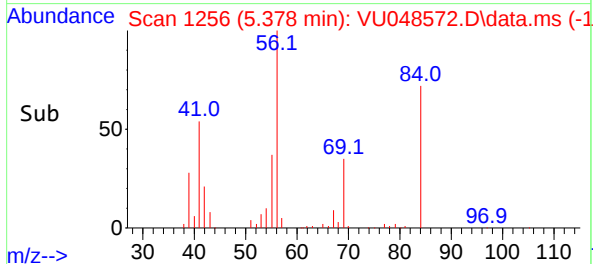
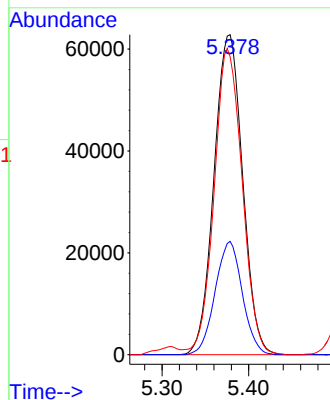
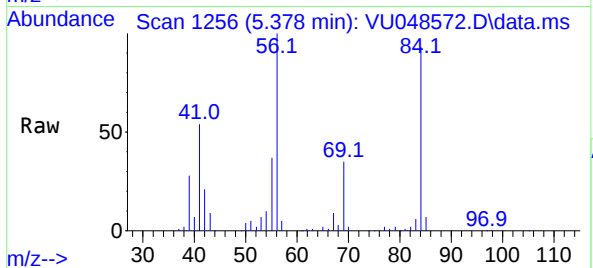
84 93.6 65.5 98.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2022

Supervised By :Mahesh Dadoda 05/18/2022



#30

1,1,1-Trichloroethane

Concen: 49.191 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.010 min

Lab File: VU048572.D

Acq: 13 May 2022 19:13

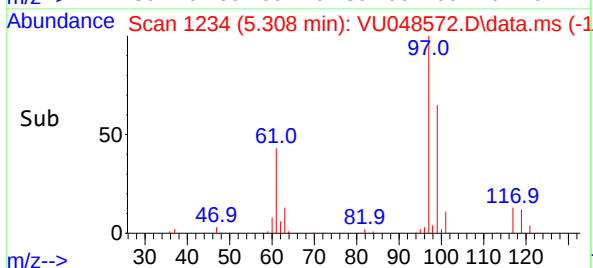
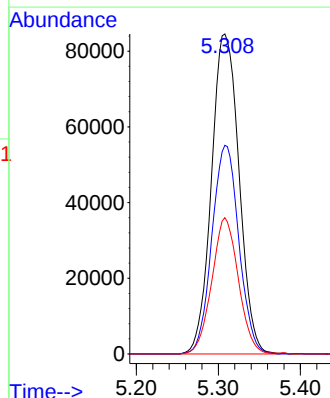
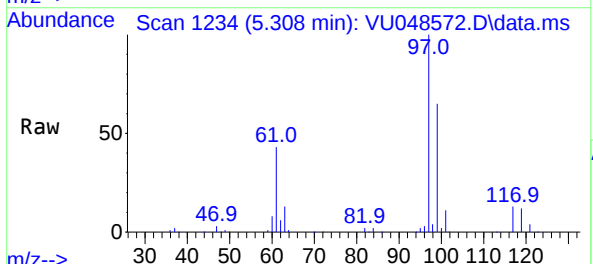
Tgt Ion: 97 Resp: 198088

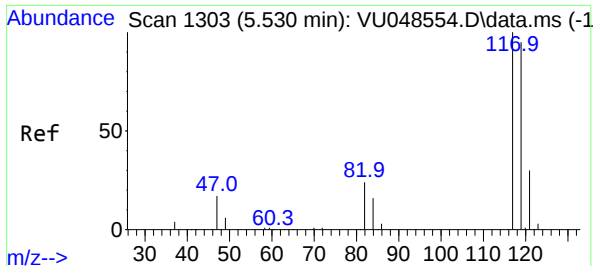
Ion Ratio Lower Upper

97 100

99 63.6 50.5 75.7

61 40.9 35.0 52.4





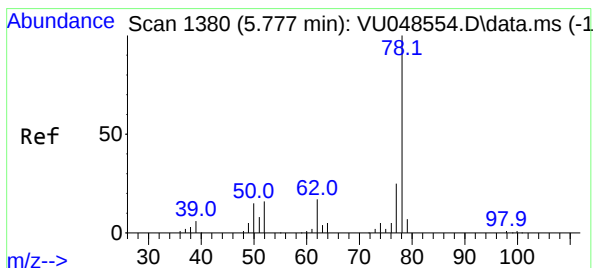
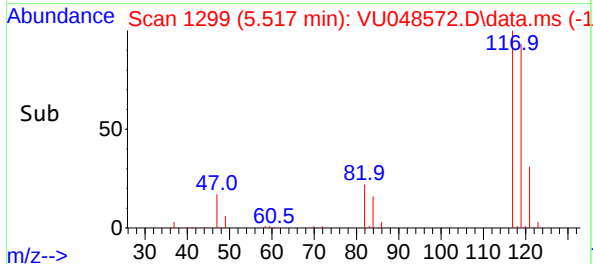
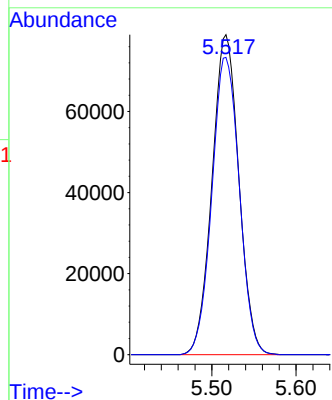
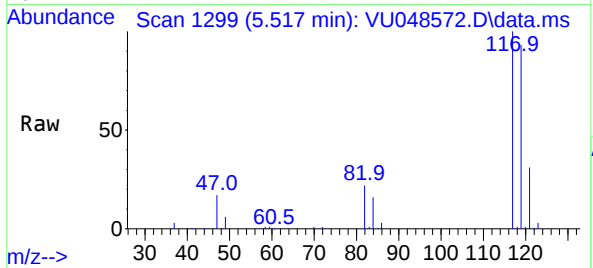
#31
Carbon tetrachloride
Concen: 50.552 ug/L
RT: 5.517 min Scan# 117
Delta R.T. -0.013 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS

Tgt Ion:117 Resp: 17431
Ion Ratio Lower Upper
117 100
119 94.9 76.5 114.7

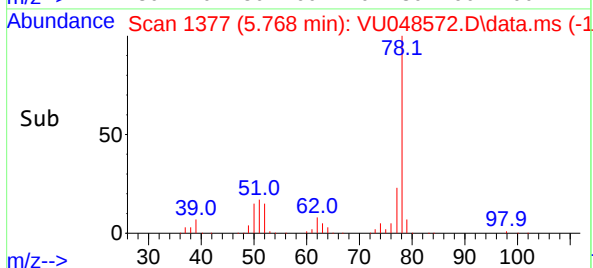
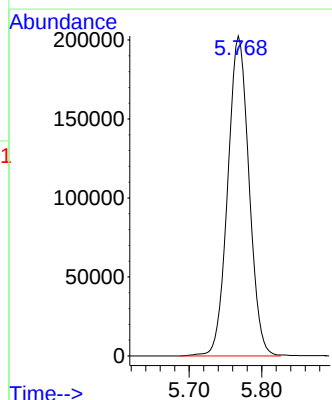
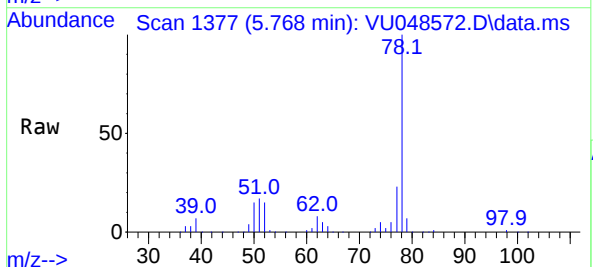
Manual Integrations
APPROVED

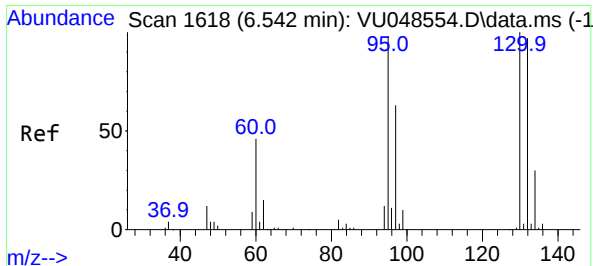
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#33
Benzene
Concen: 41.385 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.010 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

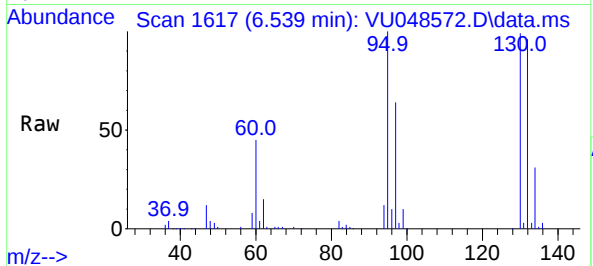
Tgt Ion: 78 Resp: 413178





#34
Trichloroethene
Concen: 45.732 ug/L
RT: 6.539 min Scan# 11223
Delta R.T. -0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

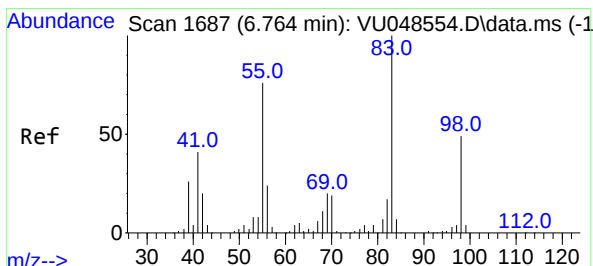
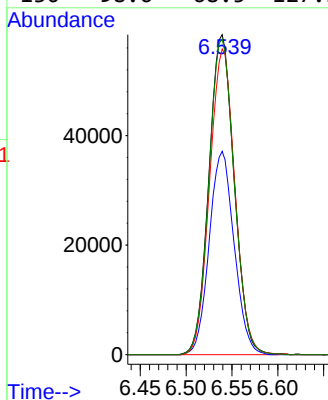
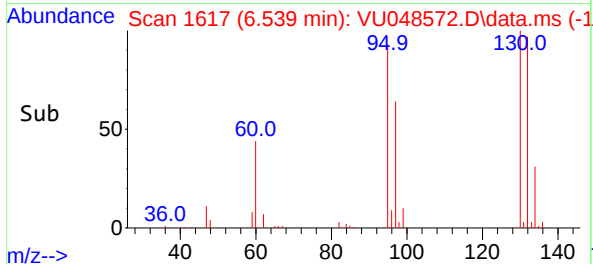
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



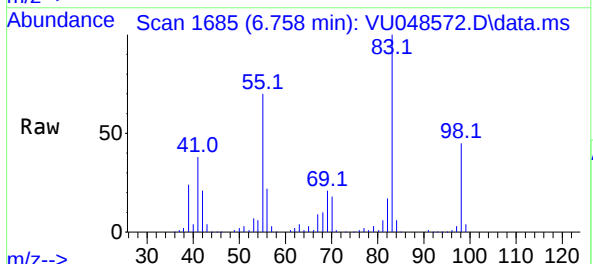
Tgt Ion: 95 Resp: 11223
Ion Ratio Lower Upper
95 100
97 63.5 46.6 86.6
132 95.6 67.3 124.9
130 98.6 68.5 127.1

Manual Integrations
APPROVED

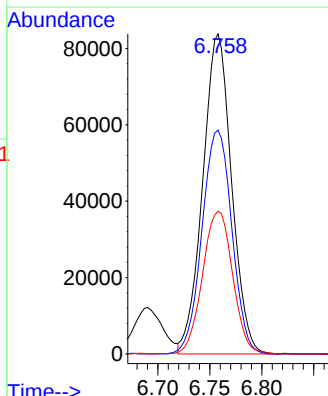
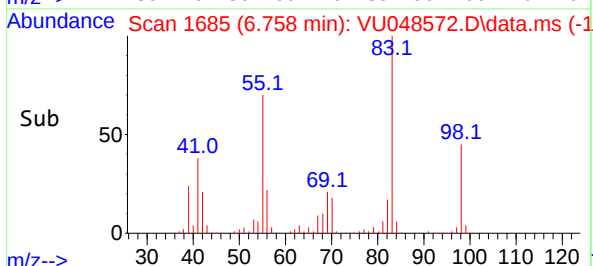
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

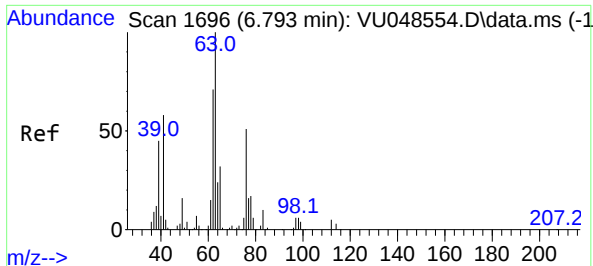


#35
Methylcyclohexane
Concen: 41.299 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13



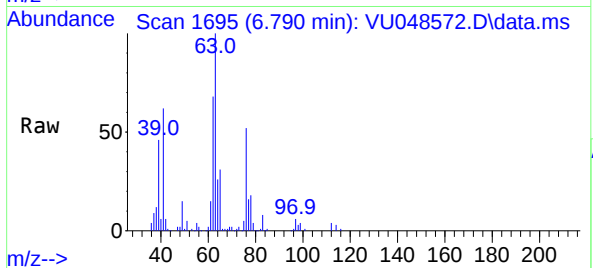
Tgt Ion: 83 Resp: 161708
Ion Ratio Lower Upper
83 100
55 72.4 63.4 95.2
98 46.6 35.9 53.9





#37
1,2-Dichloropropane
Concen: 37.982 ug/L
RT: 6.790 min Scan# 1696
Delta R.T. -0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

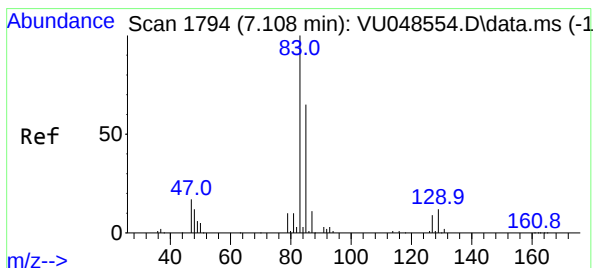
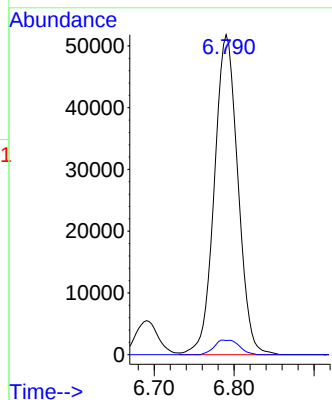
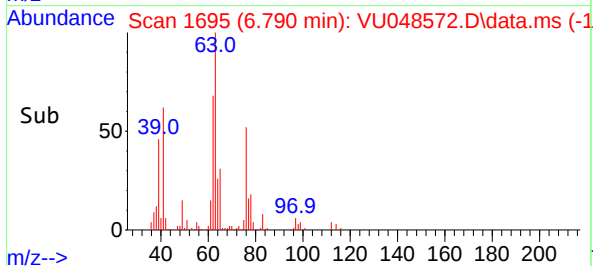
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



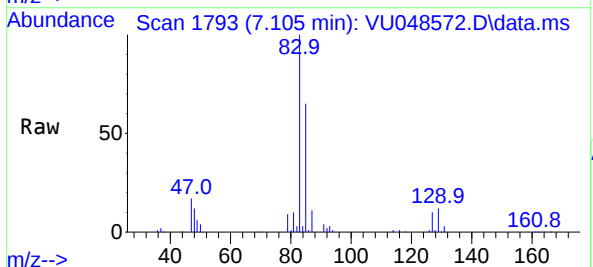
Tgt Ion: 63 Resp: 105838
Ion Ratio Lower Upper
63 100
112 2.5 3.1 4.7

Manual Integrations
APPROVED

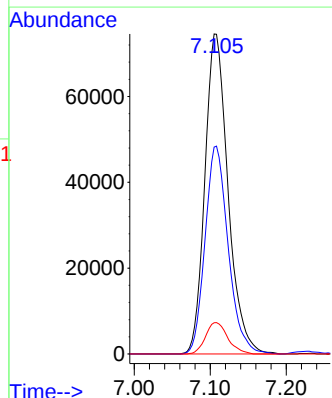
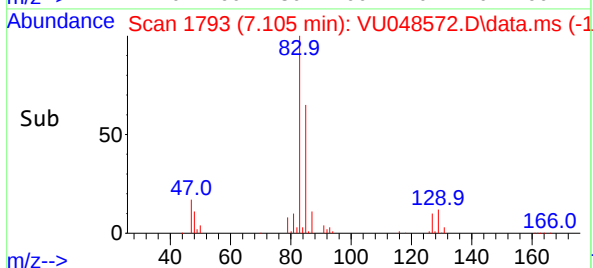
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

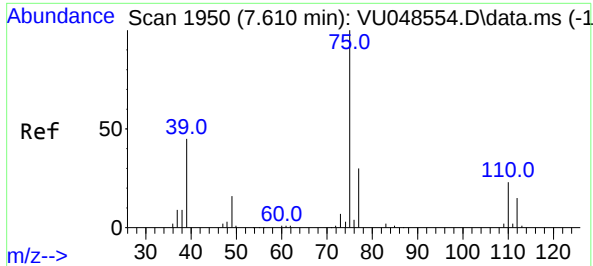


#38
Bromodichloromethane
Concen: 46.516 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13



Tgt Ion: 83 Resp: 157824
Ion Ratio Lower Upper
83 100
85 64.7 45.5 84.5
127 9.8 6.9 10.3





#39
 cis-1,3-Dichloropropene
 Concen: 43.937 ug/L
 RT: 7.607 min Scan# 1950
 Delta R.T. -0.003 min
 Lab File: VU048572.D
 Acq: 13 May 2022 19:13

Instrument :

MSVOA_U

ClientSampleId :

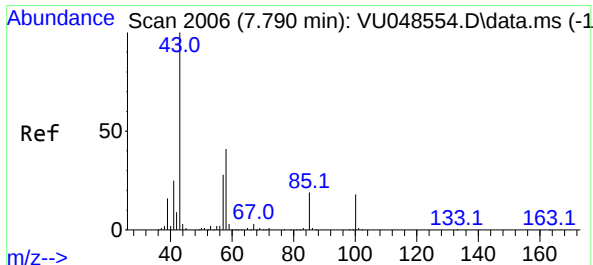
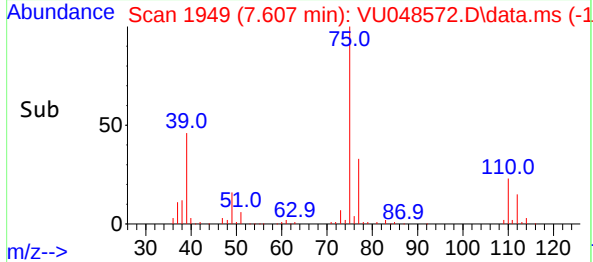
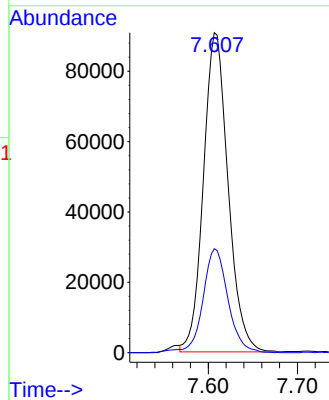
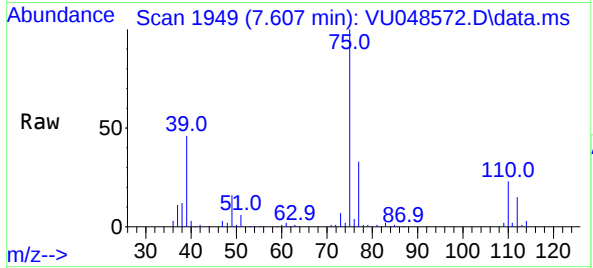
EW4F3MEMS

Tgt Ion: 75 Resp: 17414
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.5 41.9

Manual Integrations

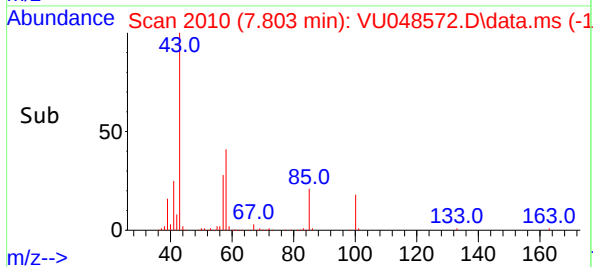
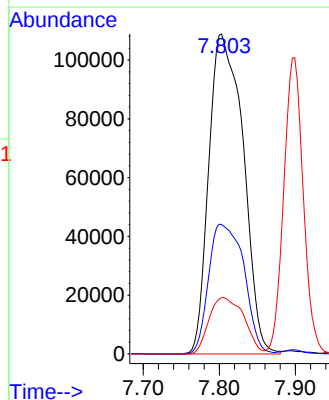
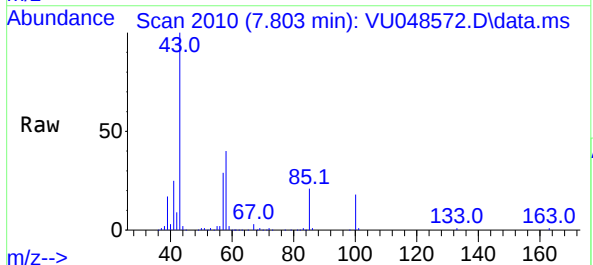
APPROVED

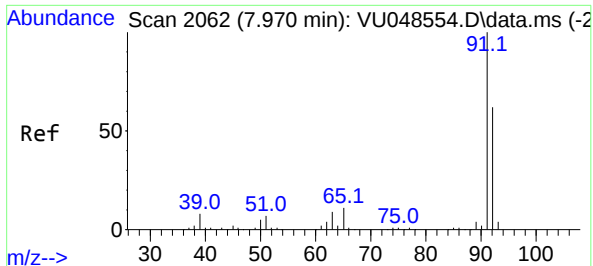
Reviewed By :John Carlone 05/18/2022
 Supervised By :Mahesh Dadoda 05/18/2022



#40
 4-Methyl-2-pentanone
 Concen: 76.263 ug/L
 RT: 7.803 min Scan# 2010
 Delta R.T. 0.013 min
 Lab File: VU048572.D
 Acq: 13 May 2022 19:13

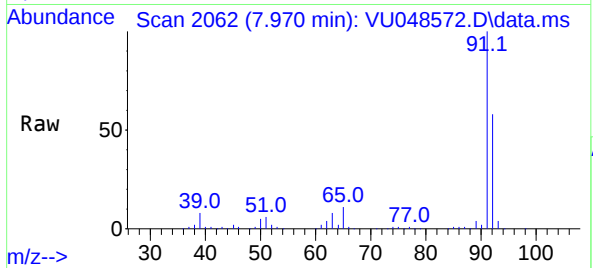
Tgt Ion: 43 Resp: 340492
 Ion Ratio Lower Upper
 43 100
 58 41.7 31.0 46.4
 100 17.9 11.2 16.8#





#42
Toluene
Concen: 44.103 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

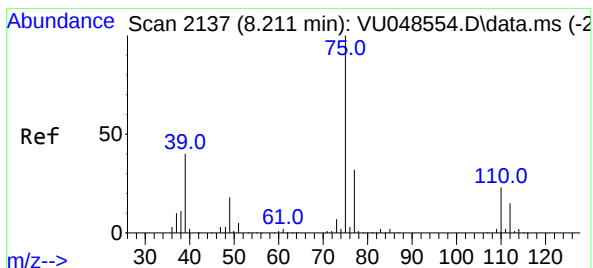
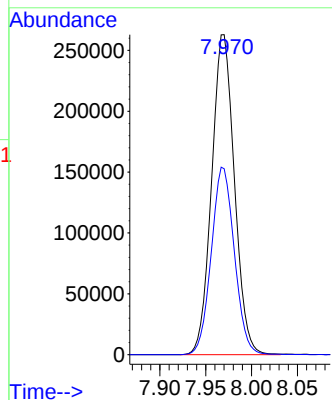
Instrument :
MSVOA_U
Client Sample Id :
EW4F3MEMS



Tgt Ion: 91 Resp: 454452
Ion Ratio Lower Upper
91 100
92 58.1 41.7 77.5

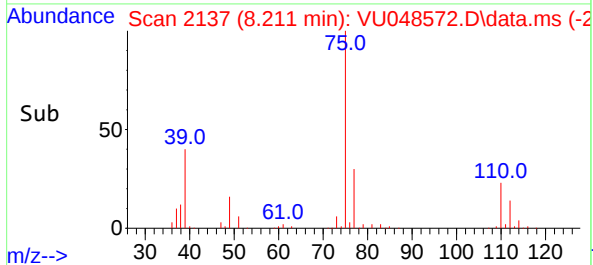
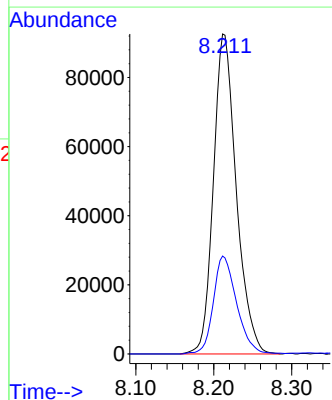
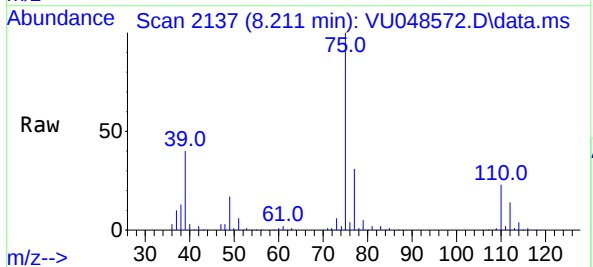
Manual Integrations
APPROVED

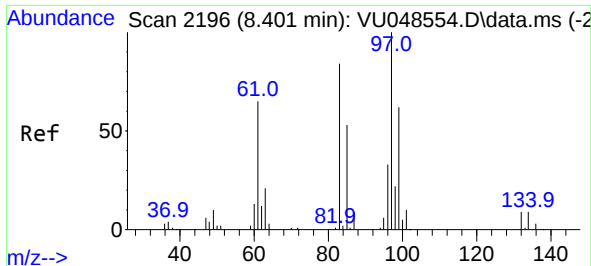
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#44
trans-1,3-Dichloropropene
Concen: 49.082 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

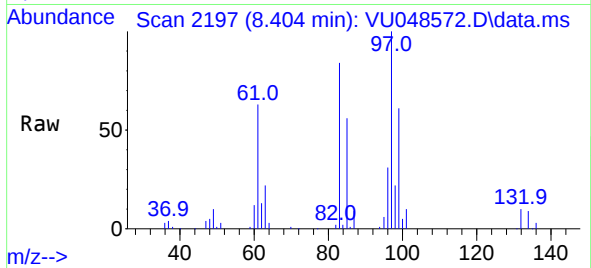
Tgt Ion: 75 Resp: 189045
Ion Ratio Lower Upper
75 100
77 30.6 22.6 42.0





#45
1,1,2-Trichloroethane
Concen: 45.930 ug/L
RT: 8.404 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

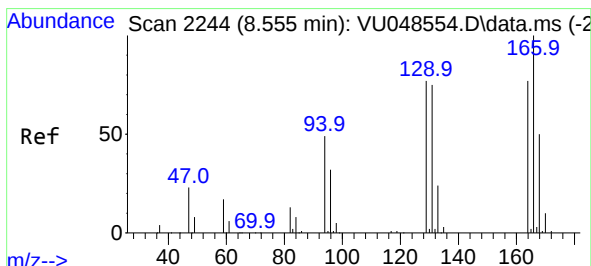
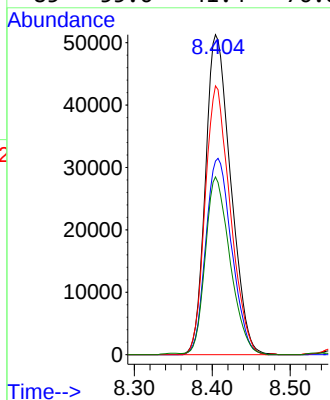
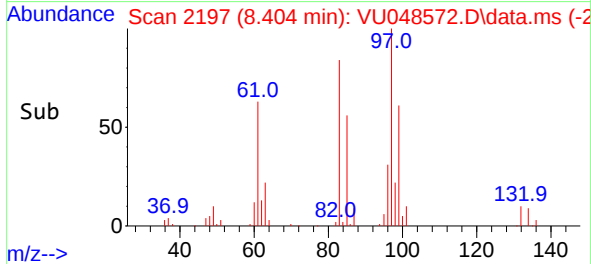
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



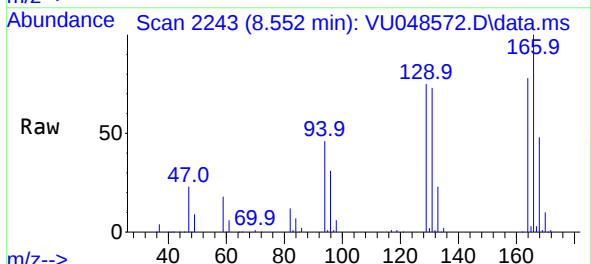
Tgt Ion: 97 Resp: 11574
Ion Ratio Lower Upper
97 100
99 60.5 43.5 80.9
83 84.0 60.5 112.5
85 55.6 41.4 76.8

Manual Integrations
APPROVED

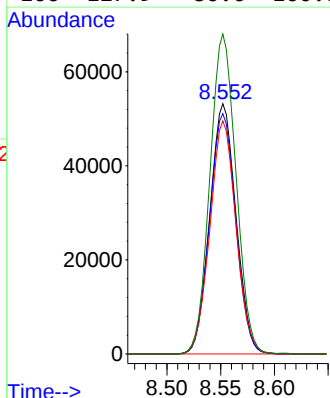
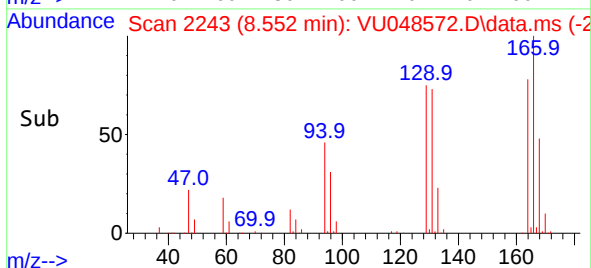
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

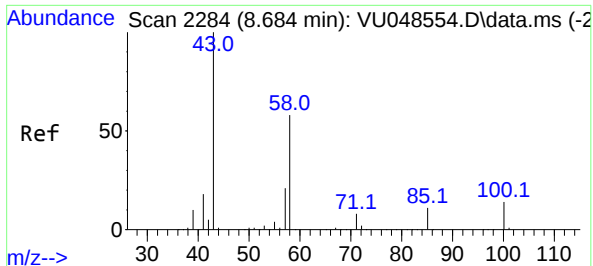


#46
Tetrachloroethene
Concen: 49.057 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13



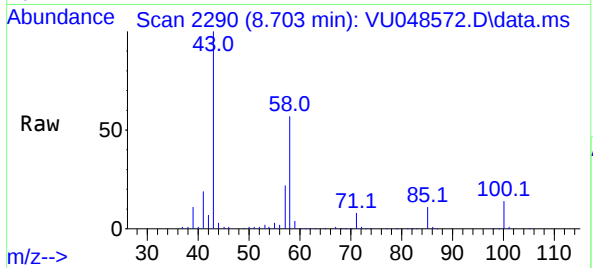
Tgt Ion:164 Resp: 90444
Ion Ratio Lower Upper
164 100
129 96.0 69.2 128.6
131 93.1 65.2 121.0
166 127.9 86.6 160.8





#48
2-Hexanone
Concen: 79.556 ug/L
RT: 8.703 min Scan# 2199
Delta R.T. 0.019 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

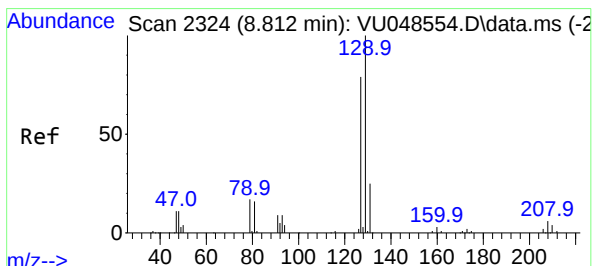
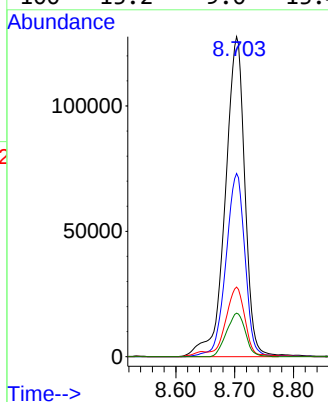
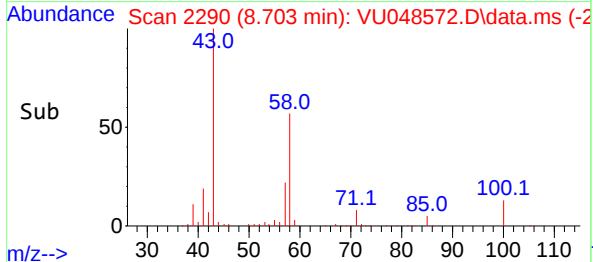
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



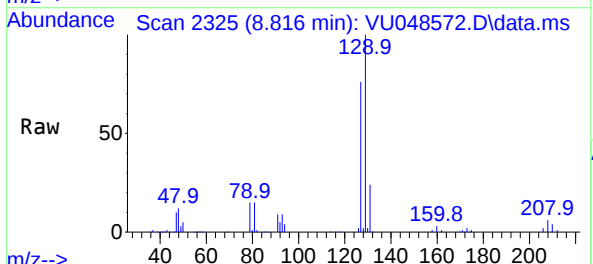
Tgt Ion: 43 Resp: 295192
Ion Ratio Lower Upper
43 100
58 55.8 44.3 66.5
57 19.6 15.7 23.5
100 13.2 9.0 13.4

Manual Integrations
APPROVED

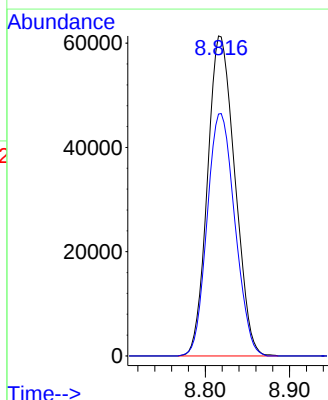
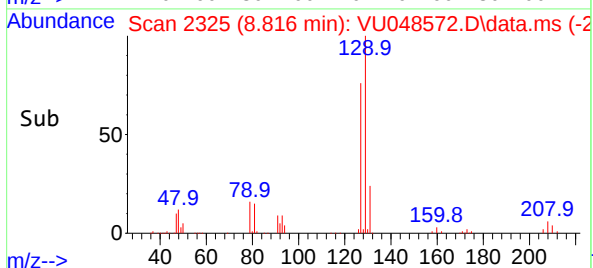
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

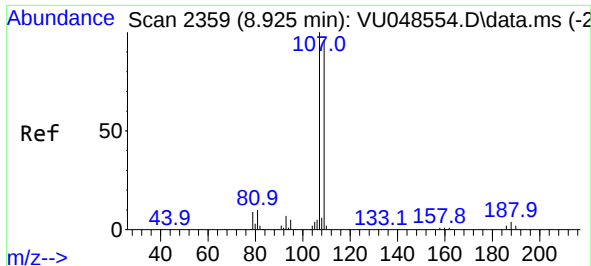


#49
Dibromochloromethane
Concen: 51.147 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. 0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13



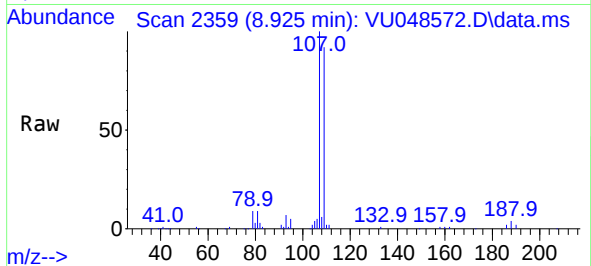
Tgt Ion:129 Resp: 138415
Ion Ratio Lower Upper
129 100
127 75.6 55.2 102.4





#50
1,2-Dibromoethane
Concen: 47.488 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

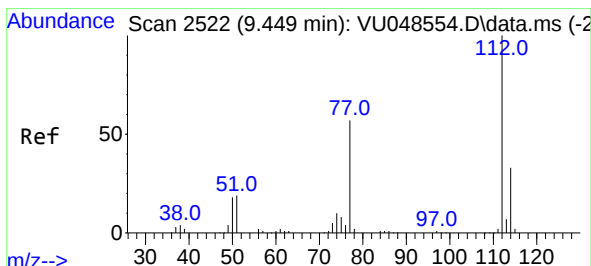
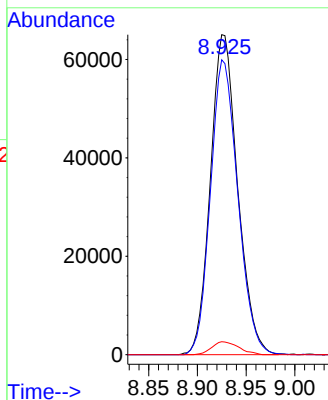
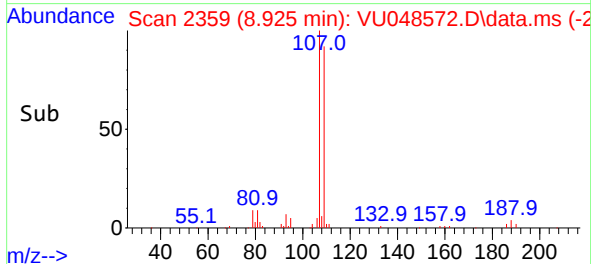
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



Tgt Ion:107 Resp: 126498
Ion Ratio Lower Upper
107 100
109 92.2 65.7 122.1
188 4.1 2.9 4.3

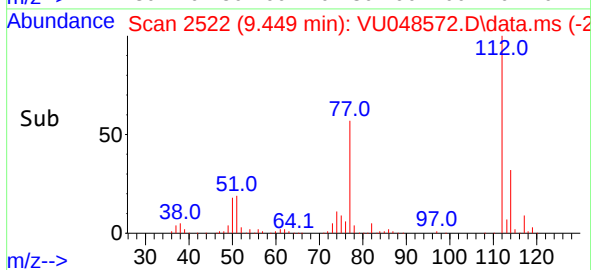
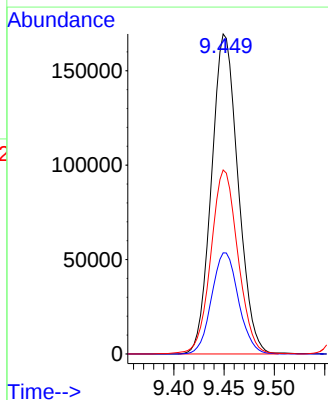
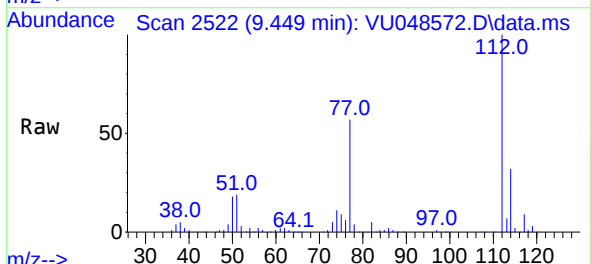
Manual Integrations
APPROVED

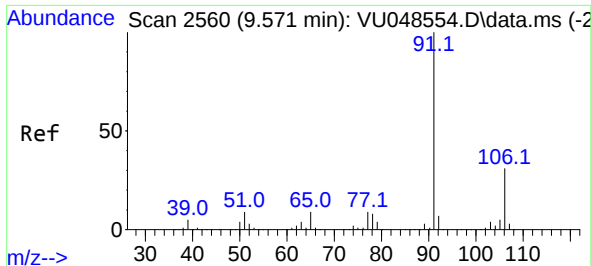
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#51
Chlorobenzene
Concen: 48.012 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

Tgt Ion:112 Resp: 311720
Ion Ratio Lower Upper
112 100
114 31.6 23.0 42.6
77 57.5 48.4 72.6





#52
Ethylbenzene
Concen: 48.182 ug/L
RT: 9.574 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

Instrument :

MSVOA_U

ClientSampleId :

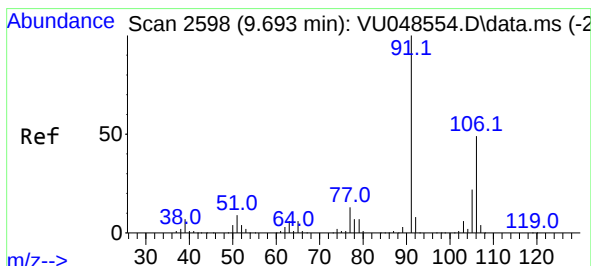
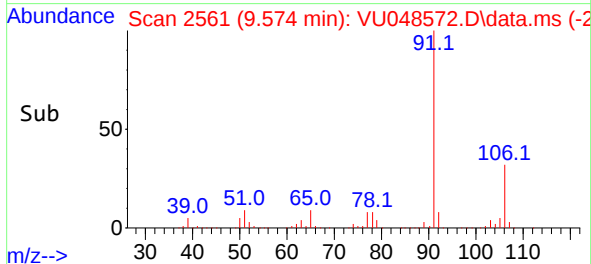
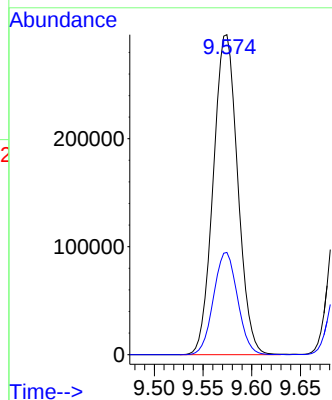
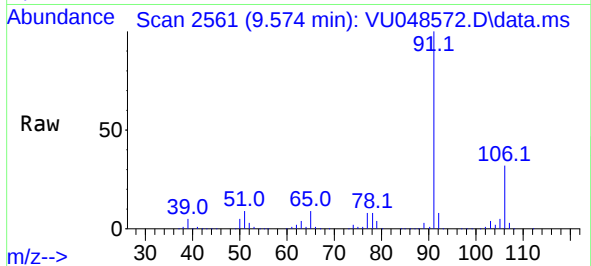
EW4F3MEMS

Tgt Ion: 91 Resp: 51718
Ion Ratio Lower Upper
91 100
106 31.9 21.7 40.3

Manual Integrations

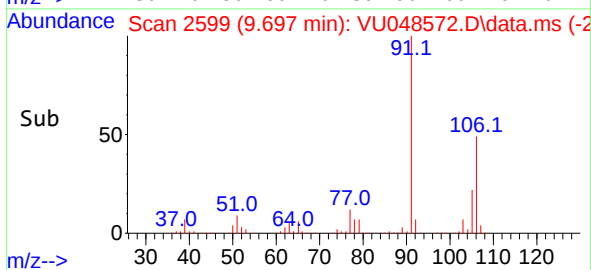
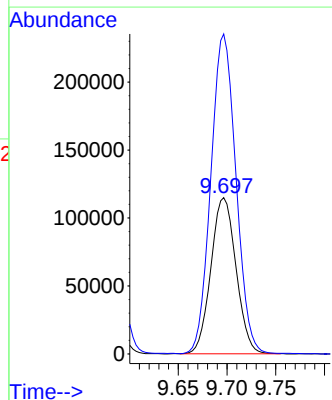
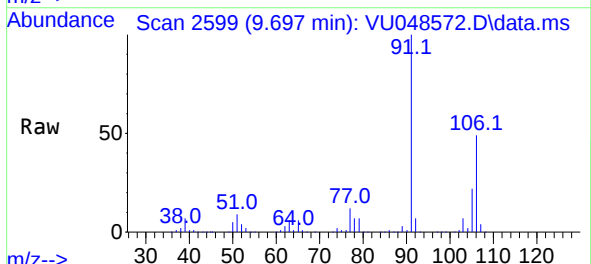
APPROVED

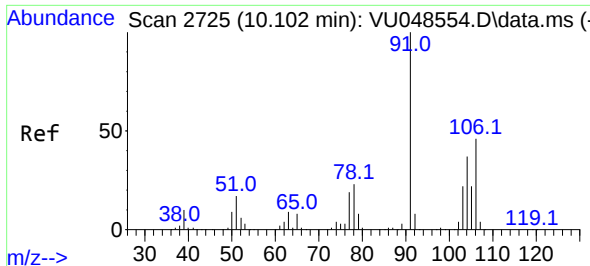
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#53
m,p-Xylene
Concen: 49.704 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

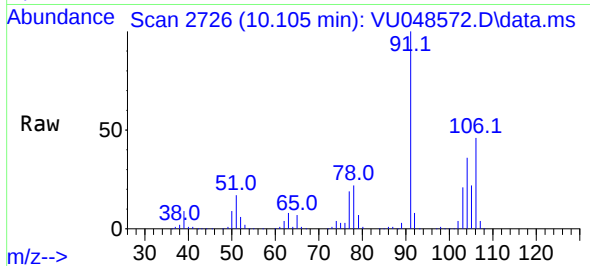
Tgt Ion:106 Resp: 205938
Ion Ratio Lower Upper
106 100
91 204.8 144.1 267.7





#54
o-Xylene
Concen: 49.176 ug/L
RT: 10.105 min Scan# 2710
Delta R.T. 0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

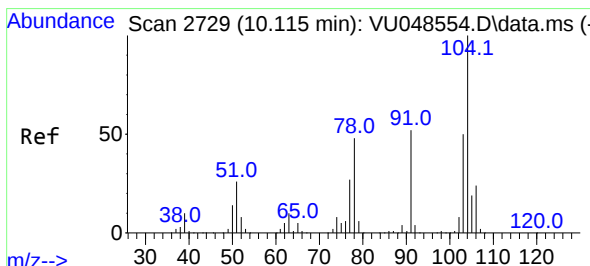
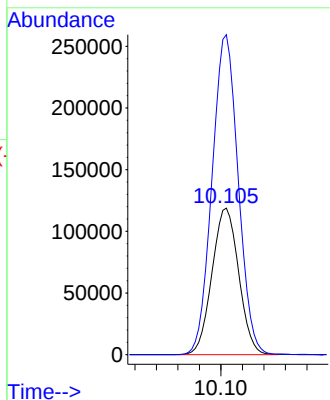
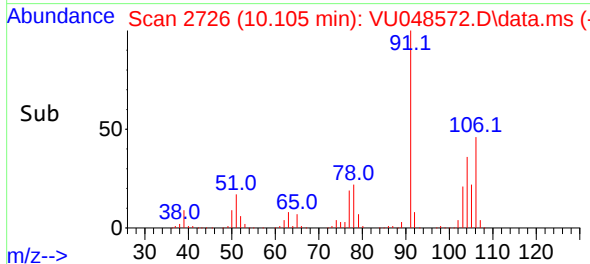
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



Tgt Ion:106 Resp: 20498
Ion Ratio Lower Upper
106 100
91 218.4 148.8 276.4

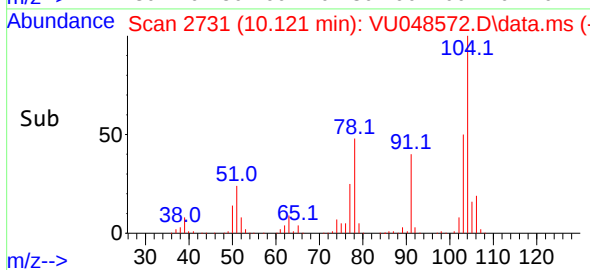
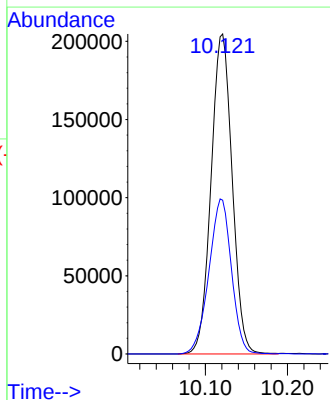
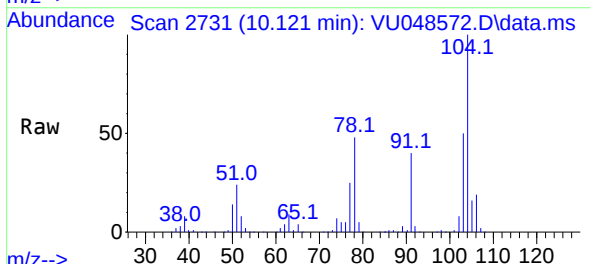
Manual Integrations
APPROVED

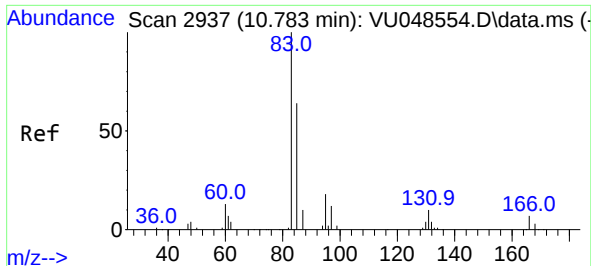
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#55
Styrene
Concen: 54.102 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.006 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

Tgt Ion:104 Resp: 366667
Ion Ratio Lower Upper
104 100
78 48.0 33.4 62.0





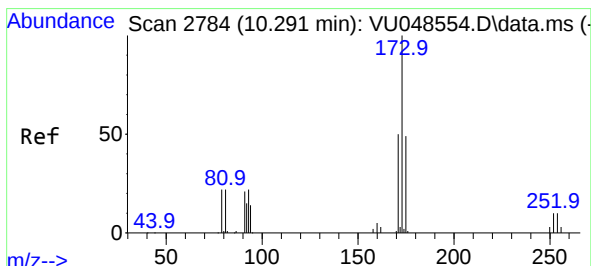
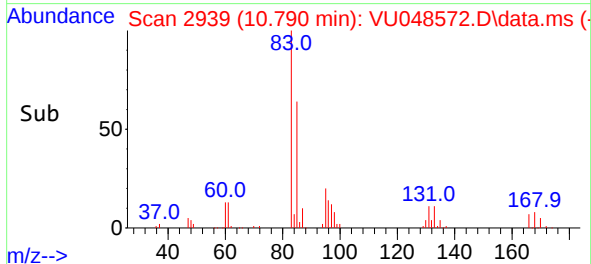
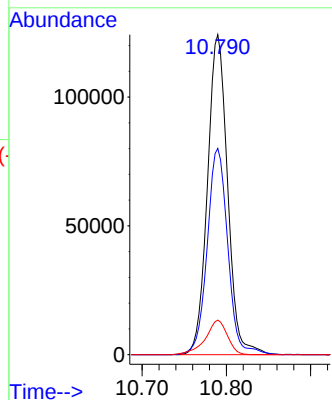
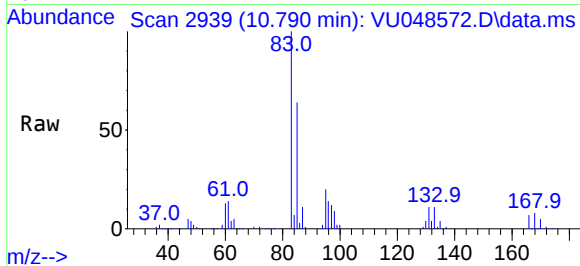
#57
1,1,2,2-Tetrachloroethane
Concen: 43.670 ug/L
RT: 10.790 min Scan# 2937
Delta R.T. 0.006 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS

Tgt Ion: 83 Resp: 20625
Ion Ratio Lower Upper
83 100
85 64.5 45.4 84.4
131 10.8 7.4 11.0

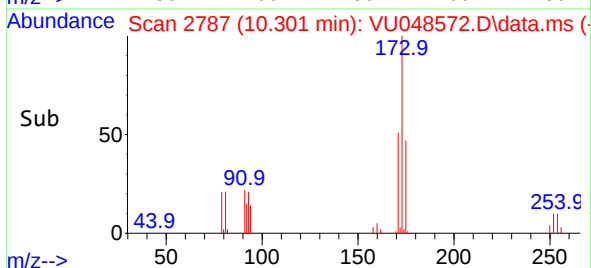
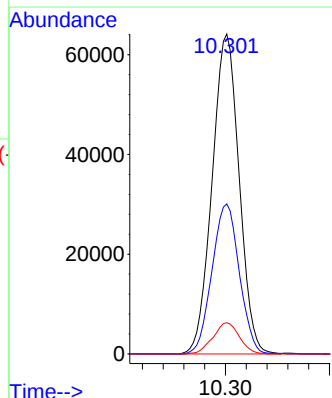
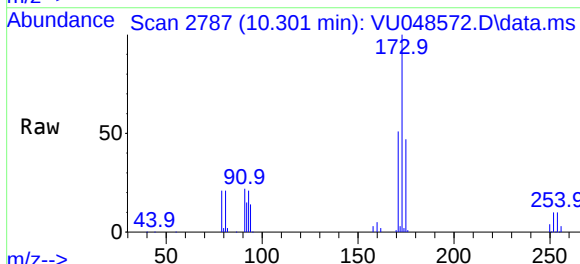
Manual Integrations
APPROVED

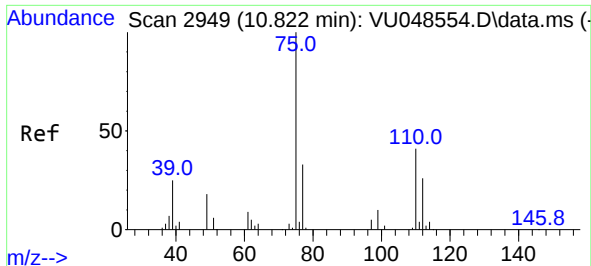
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#59
Bromoform
Concen: 45.444 ug/L
RT: 10.301 min Scan# 2787
Delta R.T. 0.010 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

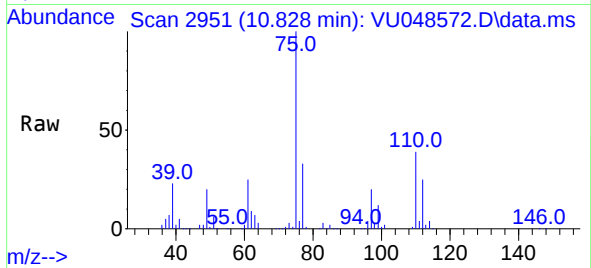
Tgt Ion:173 Resp: 115574
Ion Ratio Lower Upper
173 100
175 47.4 39.1 58.7
254 9.6 7.3 10.9





#60
1,2,3-Trichloropropane
Concen: 38.774 ug/L
RT: 10.828 min Scan# 2949
Delta R.T. 0.006 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

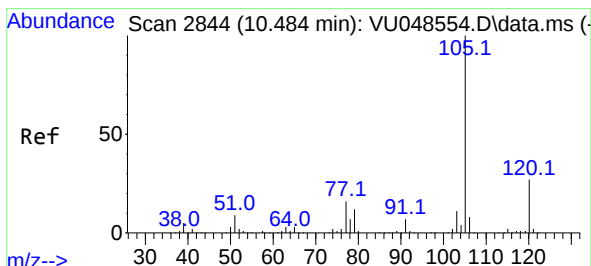
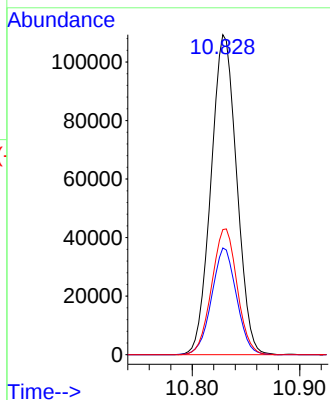
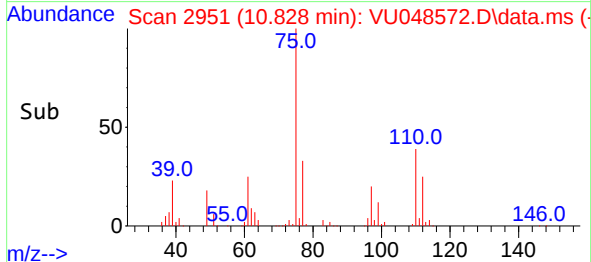
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



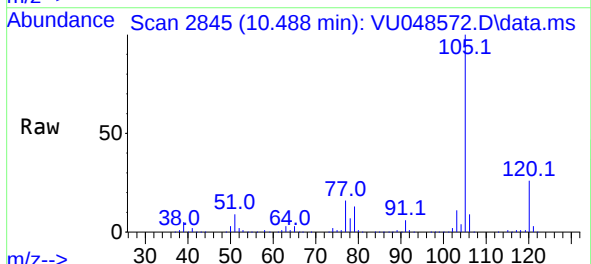
Tgt Ion: 75 Resp: 18150
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3
110 39.0 28.9 43.3

Manual Integrations
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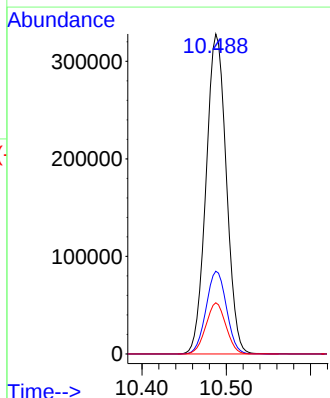
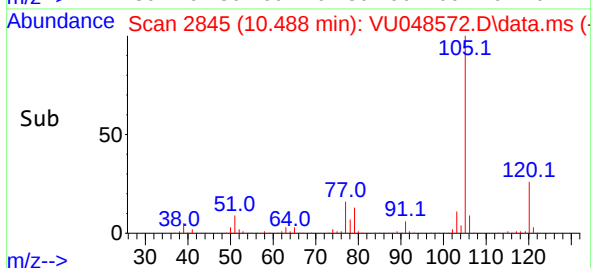
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

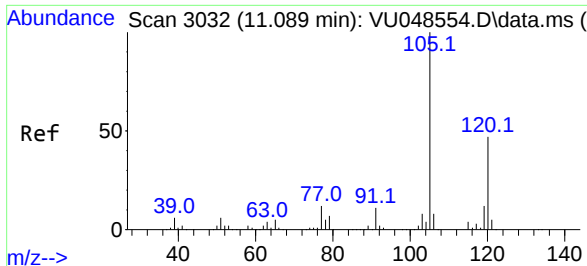


#61
Isopropylbenzene
Concen: 43.588 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13



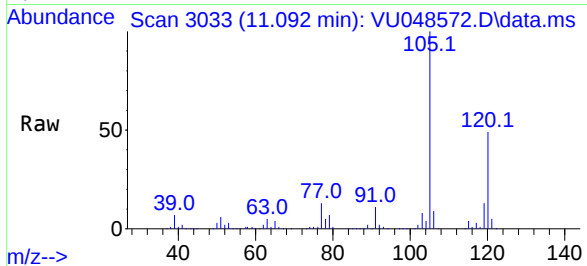
Tgt Ion:105 Resp: 547704
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.4
77 15.9 12.5 18.7





#62
1,3,5-Trimethylbenzene
Concen: 45.657 ug/L
RT: 11.092 min Scan# 3032
Delta R.T. 0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

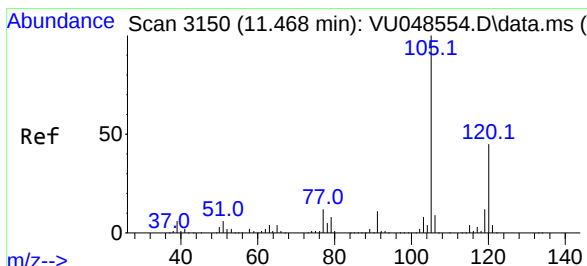
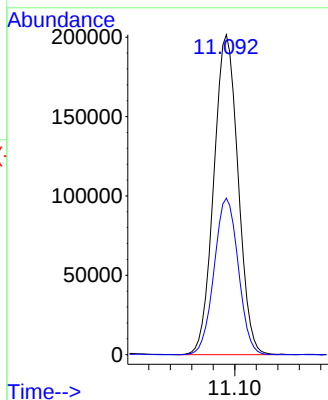
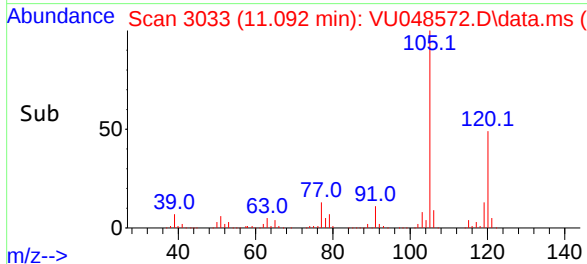
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



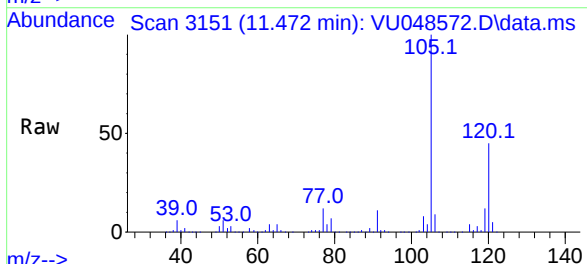
Tgt Ion:105 Resp: 31625
Ion Ratio Lower Upper
105 100
120 48.7 38.5 57.7

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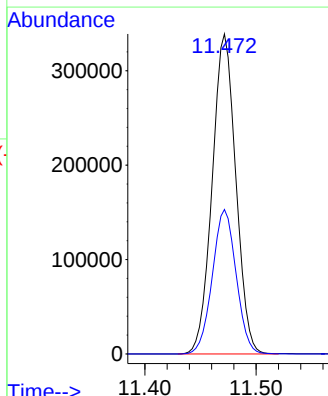
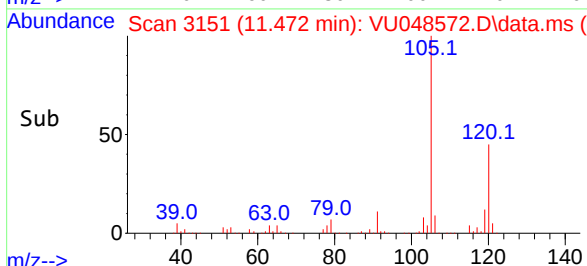
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

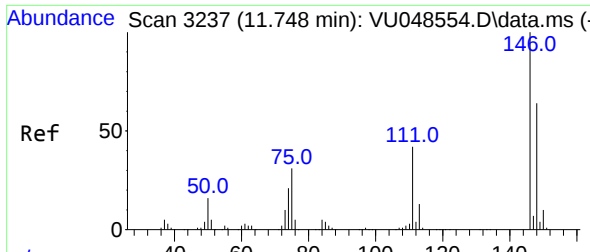


#63
1,2,4-Trimethylbenzene
Concen: 48.449 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13



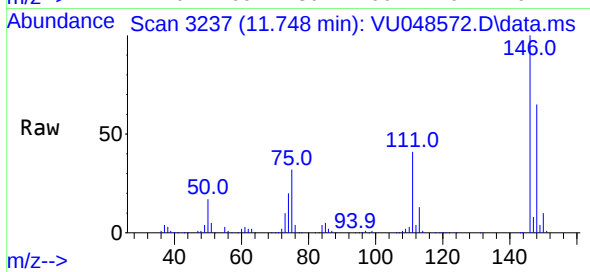
Tgt Ion:105 Resp: 499795
Ion Ratio Lower Upper
105 100
120 45.4 35.4 53.2





#64
1,3-Dichlorobenzene
Concen: 46.640 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

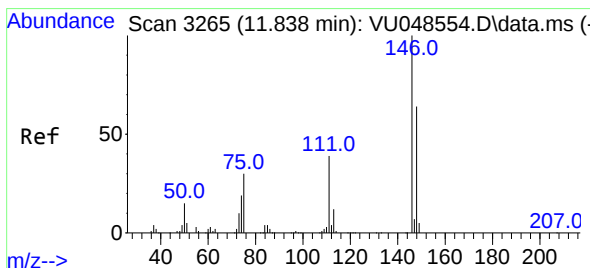
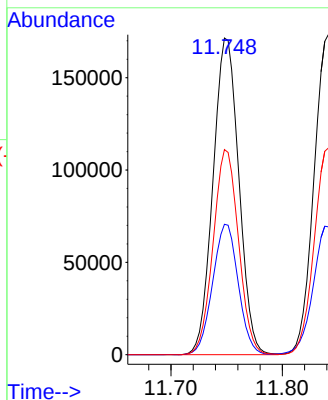
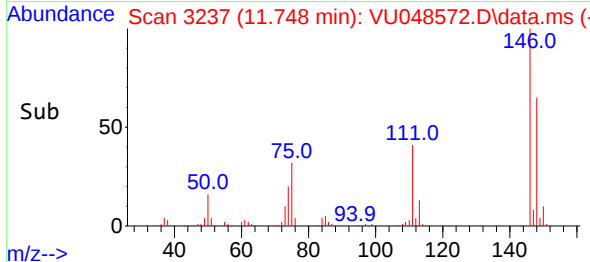
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



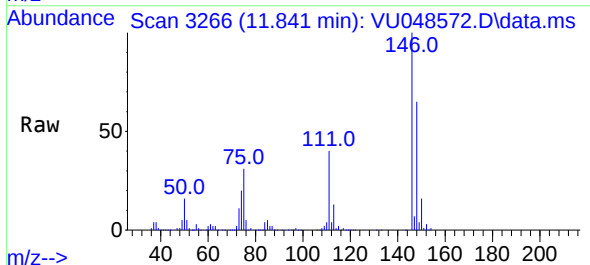
Tgt Ion:146 Resp: 27640
Ion Ratio Lower Upper
146 100
111 41.2 28.3 52.7
148 64.8 44.7 83.1

Manual Integrations
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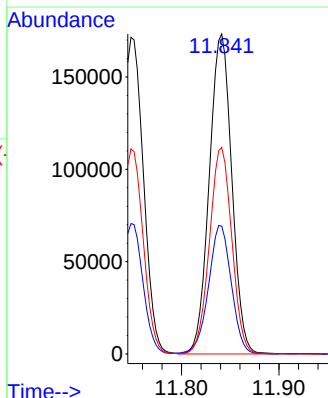
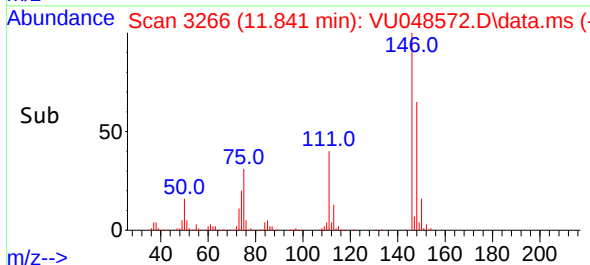
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

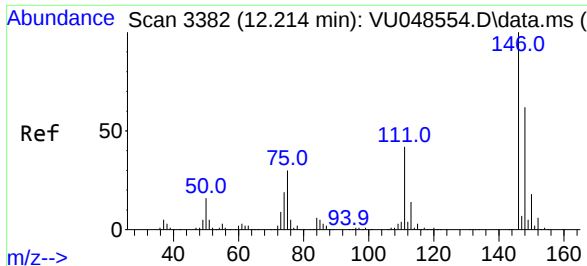


#65
1,4-Dichlorobenzene
Concen: 46.842 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13



Tgt Ion:146 Resp: 278325
Ion Ratio Lower Upper
146 100
111 39.9 28.4 52.8
148 64.6 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 44.977 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU048572.D

Acq: 13 May 2022 19:13

Instrument :

MSVOA_U

ClientSampleId :

EW4F3MEMS

Tgt Ion:146 Resp: 272770

Ion Ratio Lower Upper

146 100

111 43.1 34.9 52.3

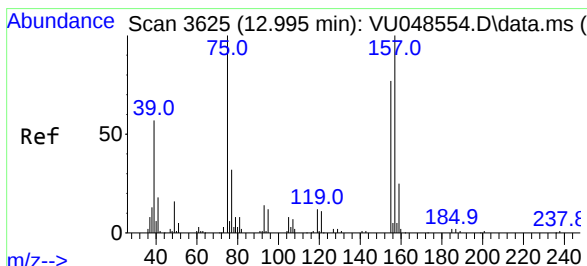
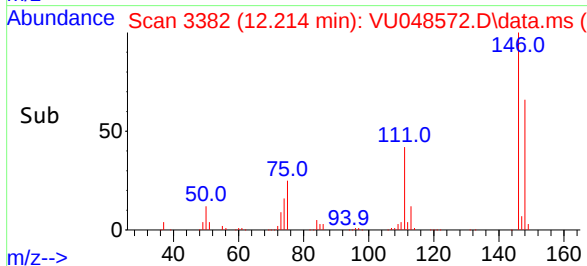
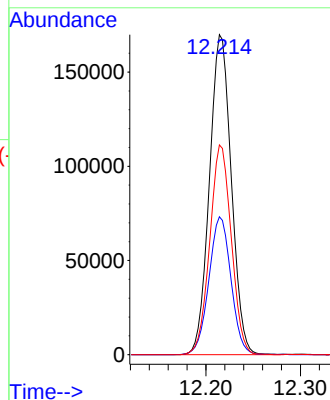
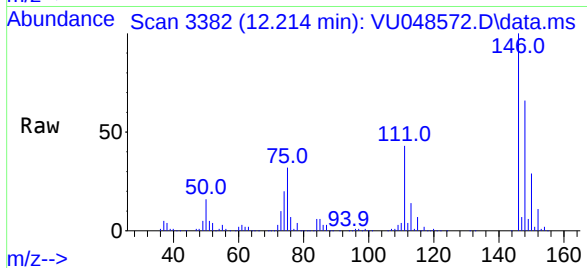
148 65.5 50.8 76.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2022

Supervised By :Mahesh Dadoda 05/18/2022



#68

1,2-Dibromo-3-chloropropane

Concen: 41.895 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU048572.D

Acq: 13 May 2022 19:13

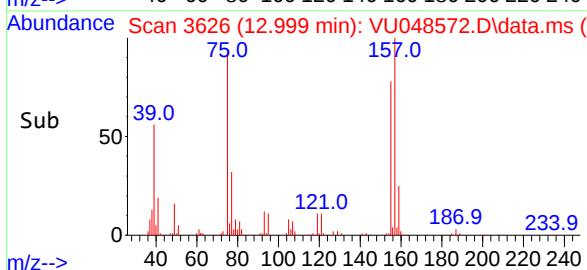
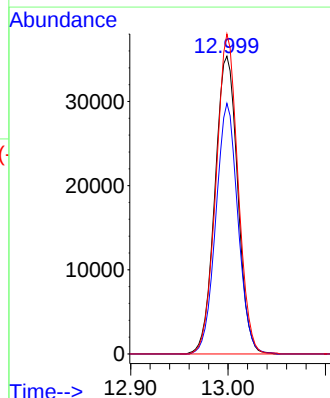
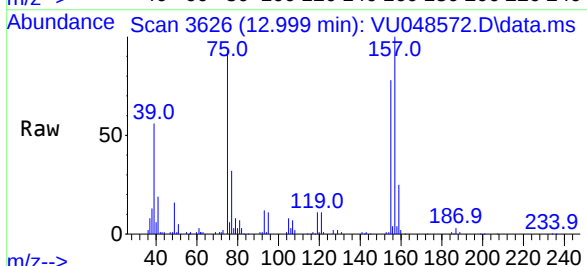
Tgt Ion: 75 Resp: 57479

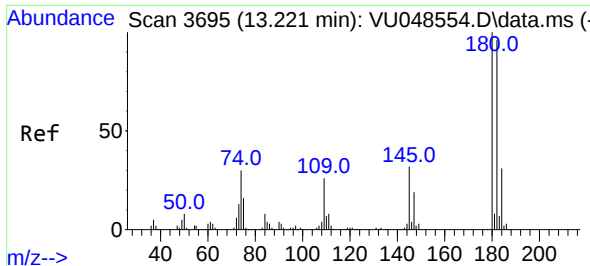
Ion Ratio Lower Upper

75 100

155 84.1 63.4 95.0

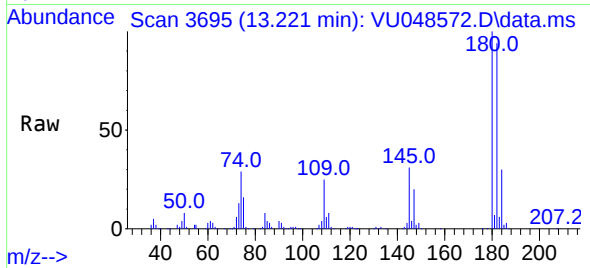
157 107.5 82.2 123.2





#69
1,3,5-Trichlorobenzene
Concen: 49.728 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.000 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

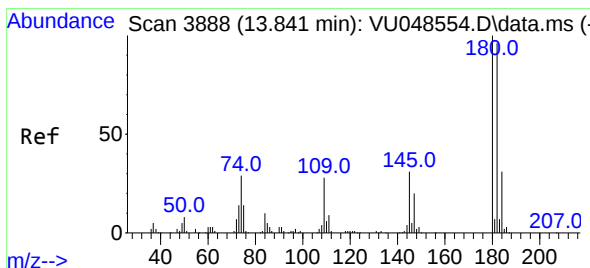
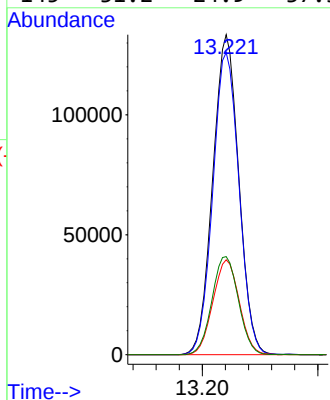
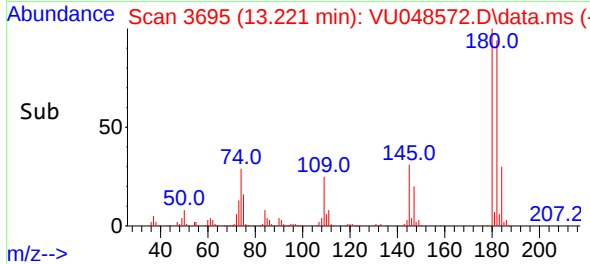
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



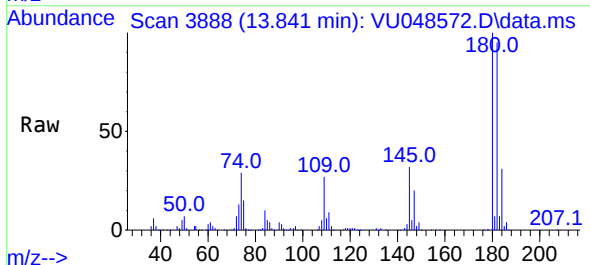
Tgt Ion:180 Resp: 208370
Ion Ratio Lower Upper
180 100
182 95.0 75.7 113.5
184 30.1 23.8 35.8
145 31.2 24.9 37.3

Manual Integrations
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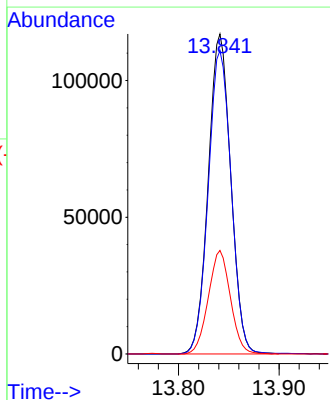
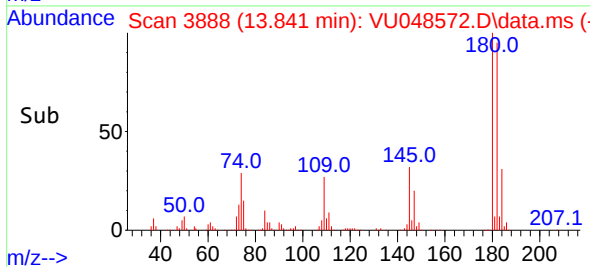
Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022

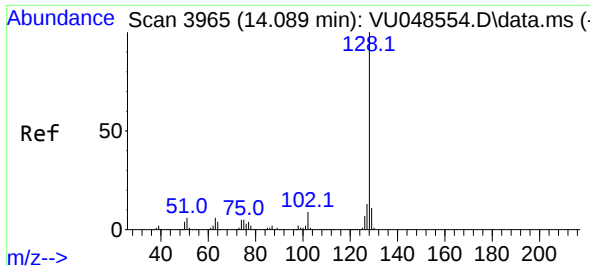


#70
1,2,4-trichlorobenzene
Concen: 49.941 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13



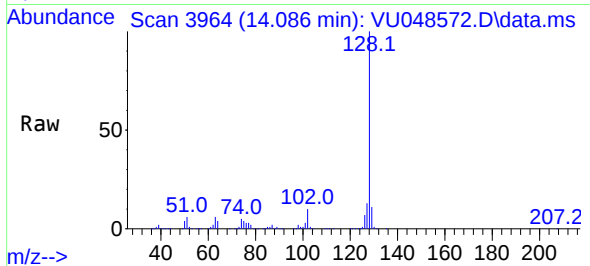
Tgt Ion:180 Resp: 181730
Ion Ratio Lower Upper
180 100
182 96.5 77.1 115.7
145 31.8 24.9 37.3





#71
Naphthalene
Concen: 41.181 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13

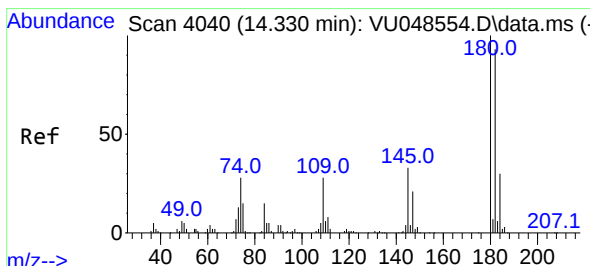
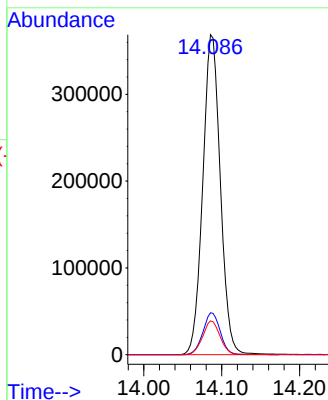
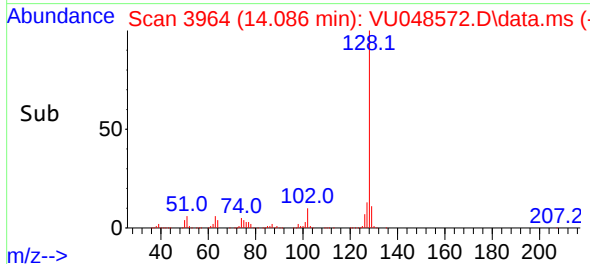
Instrument :
MSVOA_U
ClientSampleId :
EW4F3MEMS



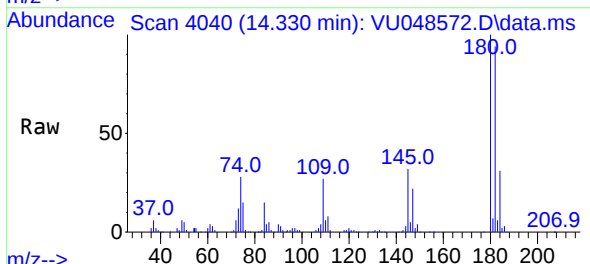
Tgt Ion:128 Resp: 577088
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.5 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/18/2022
Supervised By :Mahesh Dadoda 05/18/2022



#72
1,2,3-Trichlorobenzene
Concen: 46.874 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048572.D
Acq: 13 May 2022 19:13



Tgt Ion:180 Resp: 181415
Ion Ratio Lower Upper
180 100
182 94.6 75.4 113.2
145 33.3 26.4 39.6

