

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051922\
 Data File : VU048638.D
 Acq On : 19 May 2022 18:27
 Operator : SY/MD
 Sample : N2883-05MEMS
 Misc : 4.76g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW4K6MEMS

Quant Time: May 20 04:42:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 20 04:37:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	267586	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	271166	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	166074	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	55009	33.564	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.120%
7) Chloroethane-d5	1.874	69	32861	26.762	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	53.520%#
11) 1,1-Dichloroethene-d2	2.543	63	138129	37.266	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.540%
21) 2-Butanone-d5	4.629	46	130460	83.646	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.650%
24) Chloroform-d	5.060	84	168765	40.749	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.500%
26) 1,2-Dichloroethane-d4	5.697	65	118341	40.502	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.000%
32) Benzene-d6	5.723	84	288618	38.244	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.480%
36) 1,2-Dichloropropane-d6	6.690	67	84149	37.982	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	75.960%
41) Toluene-d8	7.896	98	274002	38.600	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.200%#
43) trans-1,3-Dichloroprop...	8.182	79	52626	37.147	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.300%
47) 2-Hexanone-d5	8.652	63	106197	87.404	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.400%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	158576	43.255	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.520%
66) 1,2-Dichlorobenzene-d4	12.198	152	138899	40.912	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.379	85	88786	30.876	ug/L	97
3) Chloromethane	1.520	50	75340	42.462	ug/L	97
5) Vinyl chloride	1.601	62	91557	48.508	ug/L	98
6) Bromomethane	1.826	94	68017	49.917	ug/L	100
8) Chloroethane	1.890	64	45870	41.289	ug/L	97
9) Trichlorofluoromethane	2.083	101	167647	45.499	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.552	101	89026	47.382	ug/L	99
12) 1,1-Dichloroethene	2.552	96	81476	46.798	ug/L	93
13) Acetone	2.639	43	97698	77.103	ug/L	99
14) Carbon disulfide	2.764	76	218332	43.214	ug/L	99
15) Methyl Acetate	2.948	43	95746	44.274	ug/L	97
16) Methylene chloride	3.035	84	92016	45.399	ug/L	96
17) trans-1,2-Dichloroethene	3.337	96	89984	47.921	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	325309	49.933	ug/L	99
19) 1,1-Dichloroethane	3.858	63	163893	47.674	ug/L	98
20) cis-1,2-Dichloroethene	4.658	96	101554	47.957	ug/L	97
22) 2-Butanone	4.707	43	149499	92.921	ug/L	97
23) Bromochloromethane	4.967	128	56323	47.931	ug/L	95
25) Chloroform	5.086	83	190589	47.497	ug/L	99

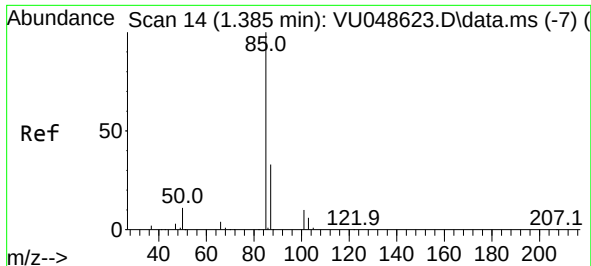
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	165682	48.132	ug/L	99
29) Cyclohexane	5.378	56	128600	46.173	ug/L	99
30) 1,1,1-Trichloroethane	5.308	97	187825	45.746	ug/L	98
31) Carbon tetrachloride	5.517	117	171720	45.892	ug/L	100
33) Benzene	5.768	78	371921	46.946	ug/L	100
34) Trichloroethene	6.539	95	104372	46.566	ug/L	97
35) Methylcyclohexane	6.758	83	145664	45.288	ug/L	99
37) 1,2-Dichloropropane	6.787	63	89798	45.331	ug/L	99
38) Bromodichloromethane	7.105	83	147092	45.894	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	163123	48.231	ug/L	98
40) 4-Methyl-2-pentanone	7.809	43	282986	93.611	ug/L #	70
42) Toluene	7.970	91	418367	48.451	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	172066	48.242	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	103950	49.002	ug/L	97
46) Tetrachloroethene	8.552	164	89816	49.107	ug/L	99
48) 2-Hexanone	8.700	43	233514	90.157	ug/L	99
49) Dibromochloromethane	8.816	129	135989	49.861	ug/L	99
50) 1,2-Dibromoethane	8.925	107	118142	48.256	ug/L	95
51) Chlorobenzene	9.449	112	293267	48.696	ug/L	99
52) Ethylbenzene	9.571	91	476711	48.310	ug/L	98
53) m,p-Xylene	9.697	106	192755	48.607	ug/L	98
54) o-Xylene	10.105	106	190092	50.036	ug/L	100
55) Styrene	10.121	104	338945	51.313	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.790	83	181528	49.513	ug/L	97
59) Bromoform	10.301	173	115449	50.572	ug/L	100
60) 1,2,3-Trichloropropane	10.828	75	159743	48.500	ug/L	97
61) Isopropylbenzene	10.488	105	520508	50.891	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	304011	52.284	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	473441	52.362	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	261680	49.613	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	266266	48.648	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	260305	48.521	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	54380	42.703	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	198731	47.272	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	169489	44.576	ug/L	99
71) Naphthalene	14.086	128	508639	40.570	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	168370	44.105	ug/L	99

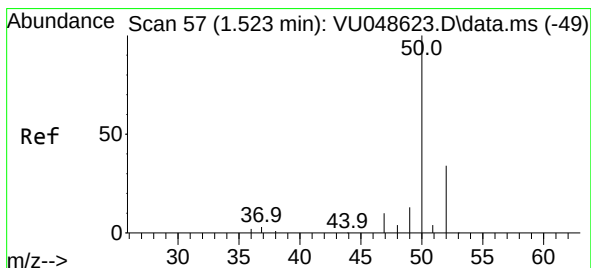
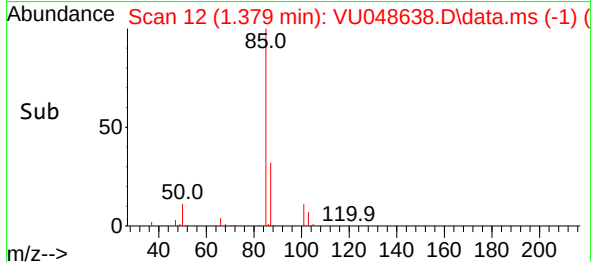
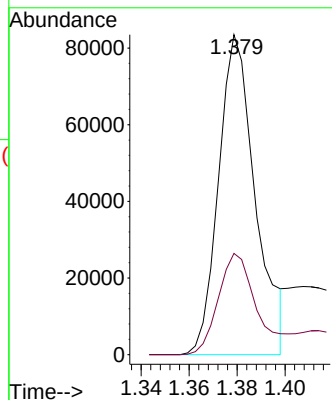
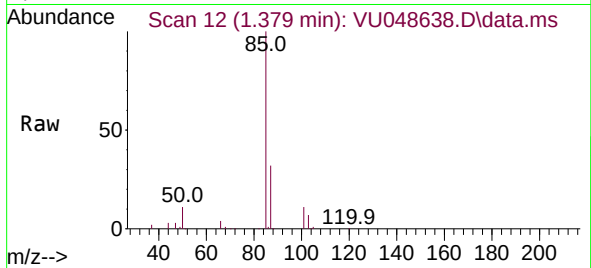
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 30.876 ug/L
 RT: 1.379 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VU048638.D
 Acq: 19 May 2022 18:27

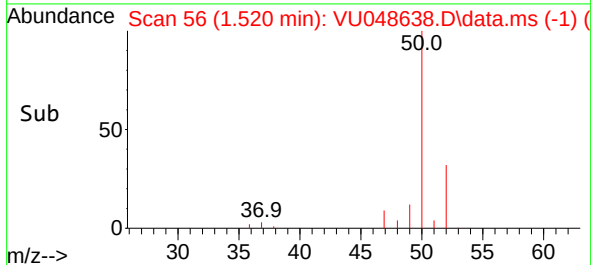
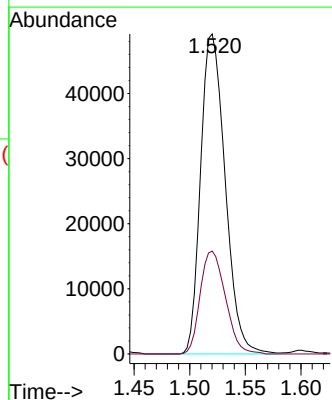
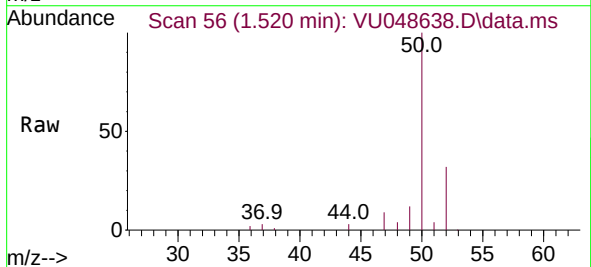
Instrument :
 MSVOA_U
 ClientSampleId :
 EW4K6MEMS

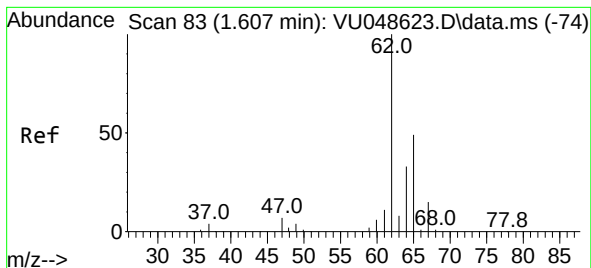
Tgt Ion: 85 Resp: 88786
 Ion Ratio Lower Upper
 85 100
 87 33.5 25.4 38.2



#3
 Chloromethane
 Concen: 42.462 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.003 min
 Lab File: VU048638.D
 Acq: 19 May 2022 18:27

Tgt Ion: 50 Resp: 75340
 Ion Ratio Lower Upper
 50 100
 52 32.1 23.8 44.2





#5

Vinyl chloride

Concen: 48.508 ug/L

RT: 1.601 min Scan# 81

Delta R.T. -0.006 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Instrument :

MSVOA_U

ClientSampleId :

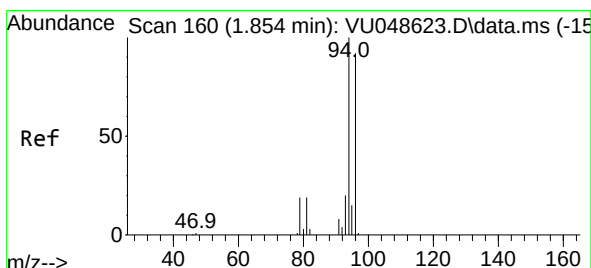
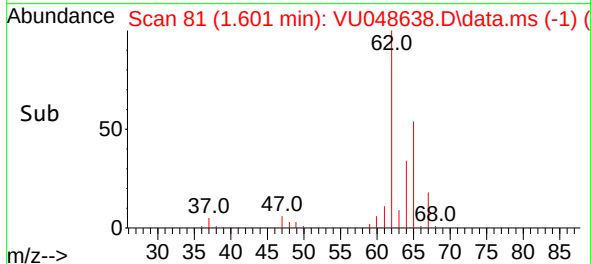
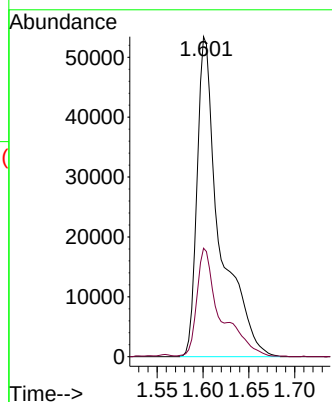
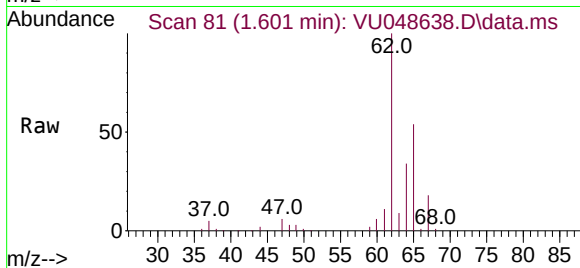
EW4K6MEMS

Tgt Ion: 62 Resp: 91557

Ion Ratio Lower Upper

62 100

64 33.9 22.9 42.5



#6

Bromomethane

Concen: 49.917 ug/L

RT: 1.826 min Scan# 151

Delta R.T. -0.029 min

Lab File: VU048638.D

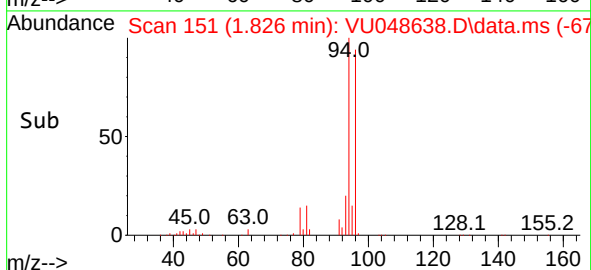
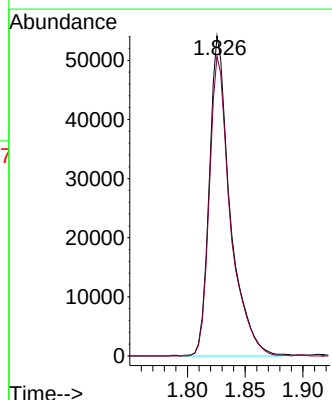
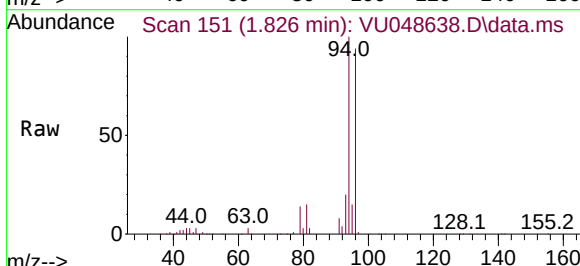
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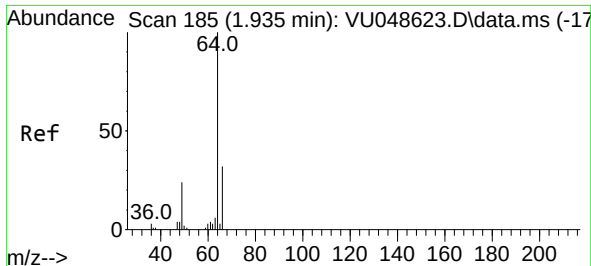
Tgt Ion: 94 Resp: 68017

Ion Ratio Lower Upper

94 100

96 93.6 65.7 121.9

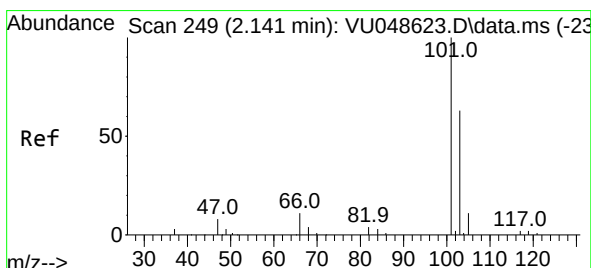
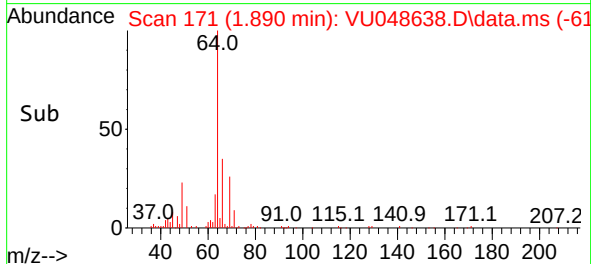
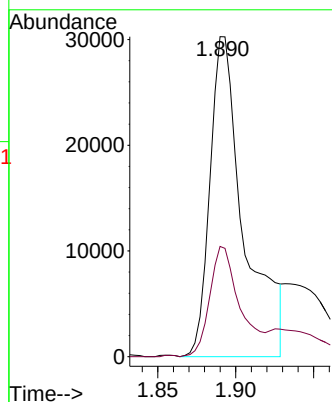
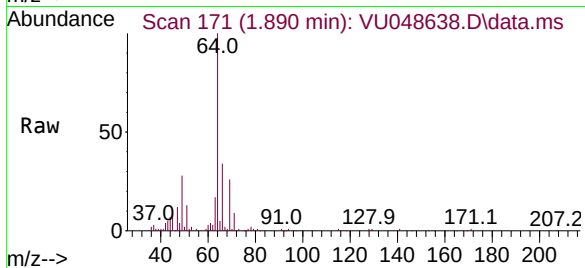




#8
Chloroethane
Concen: 41.289 ug/L
RT: 1.890 min Scan# 11
Delta R.T. -0.045 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

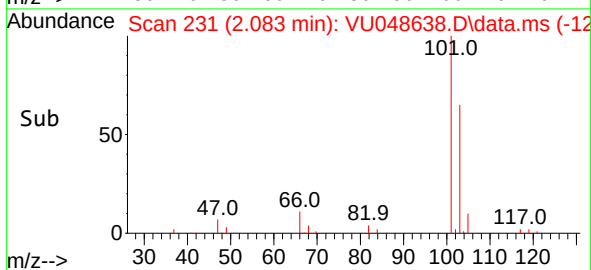
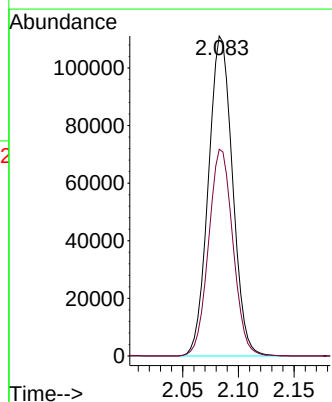
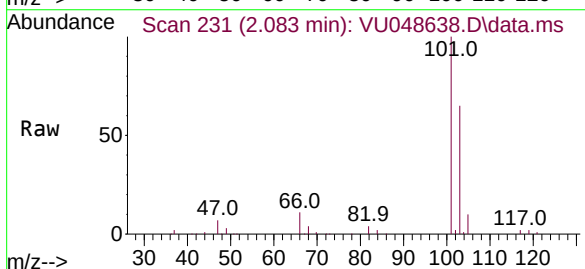
Instrument :
MSVOA_U
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EW4K6MEMS

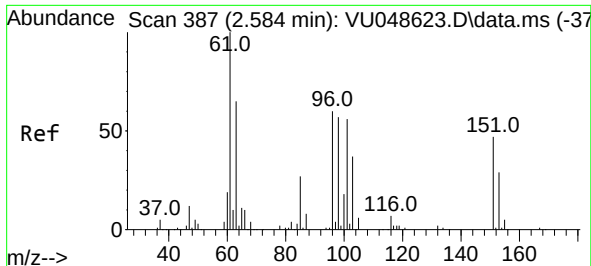
Tgt Ion: 64 Resp: 45870
Ion Ratio Lower Upper
64 100
66 34.5 23.1 42.9



#9
Trichlorofluoromethane
Concen: 45.499 ug/L
RT: 2.083 min Scan# 231
Delta R.T. -0.058 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Tgt Ion:101 Resp: 167647
Ion Ratio Lower Upper
101 100
103 65.0 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 47.382 ug/L

RT: 2.552 min Scan# 377

Delta R.T. -0.032 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Instrument :

MSVOA_U

ClientSampleId :

EW4K6MEMS

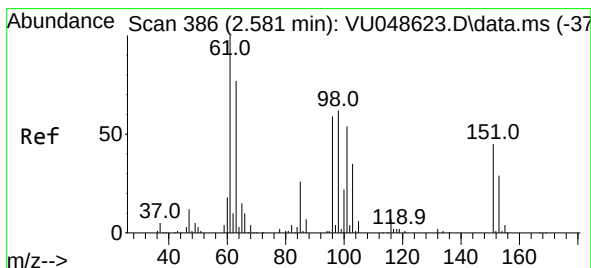
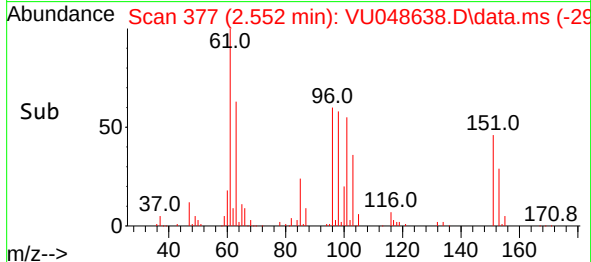
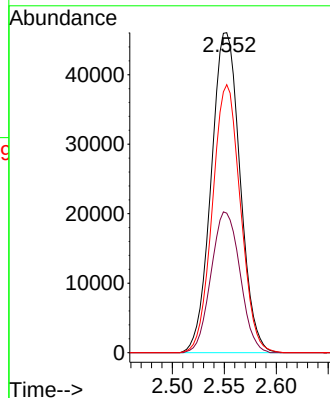
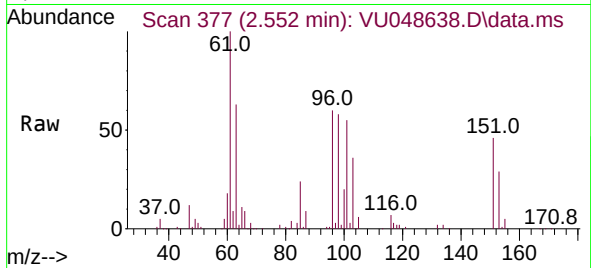
Tgt Ion:101 Resp: 89026

Ion Ratio Lower Upper

101 100

85 44.0 35.7 53.5

151 81.2 64.4 96.6



#12

1,1-Dichloroethene

Concen: 46.798 ug/L

RT: 2.552 min Scan# 377

Delta R.T. -0.029 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

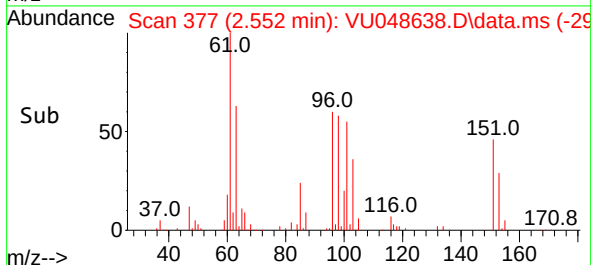
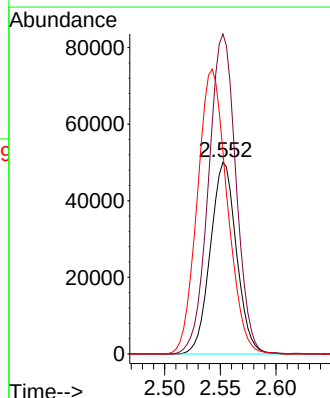
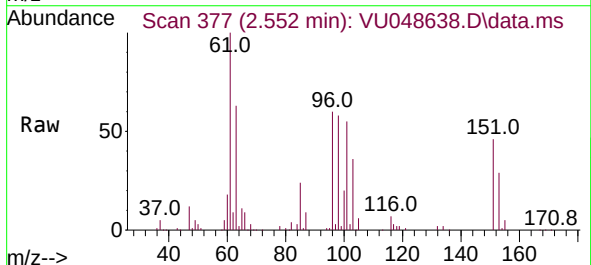
Tgt Ion: 96 Resp: 81476

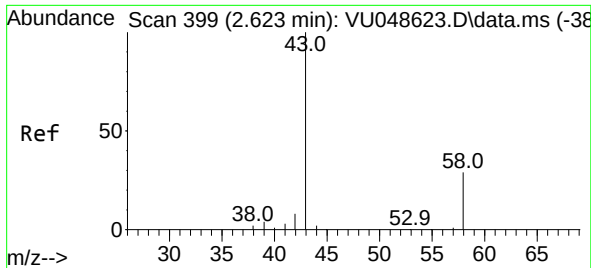
Ion Ratio Lower Upper

96 100

61 166.9 120.6 224.0

63 105.4 82.3 152.9





#13

Acetone

Concen: 77.103 ug/L

RT: 2.639 min Scan# 404

Delta R.T. 0.016 min

Lab File: VU048638.D

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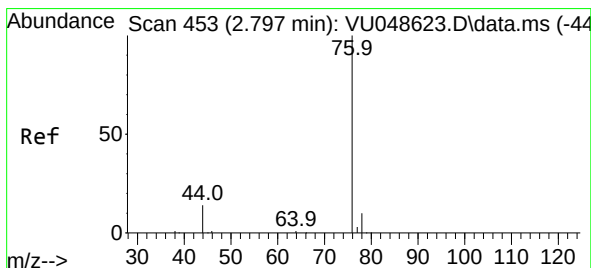
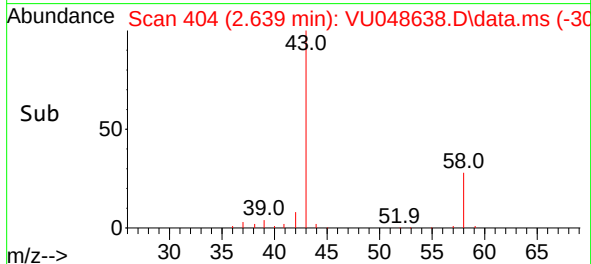
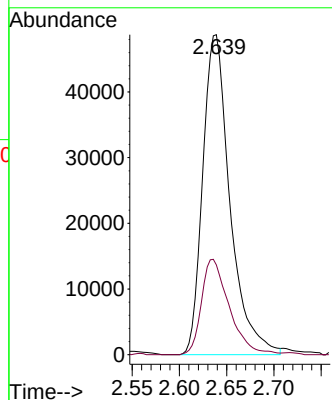
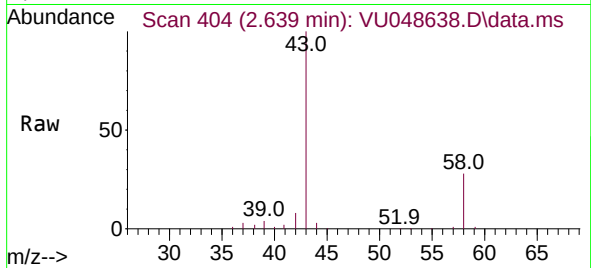
EW4K6MEMS

Tgt Ion: 43 Resp: 97698

Ion Ratio Lower Upper

43 100

58 30.4 0.0 59.8



#14

Carbon disulfide

Concen: 43.214 ug/L

RT: 2.764 min Scan# 443

Delta R.T. -0.032 min

Lab File: VU048638.D

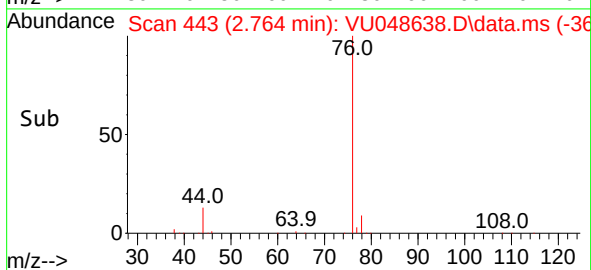
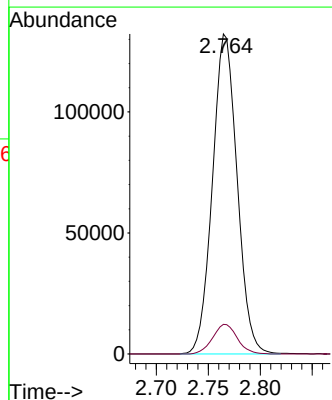
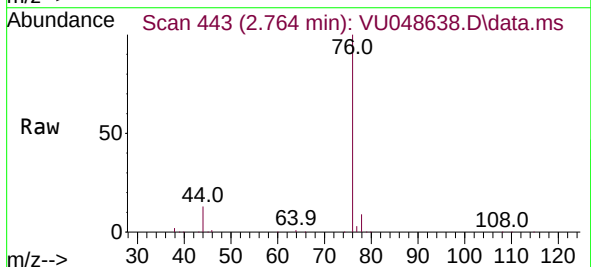
Acq: 19 May 2022 18:27

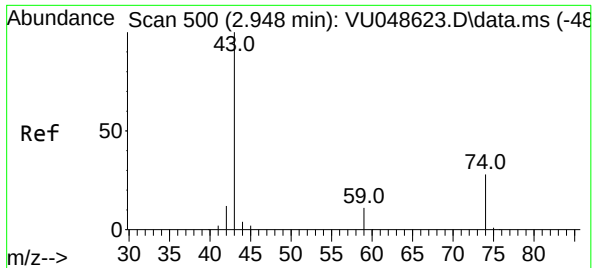
Tgt Ion: 76 Resp: 218332

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

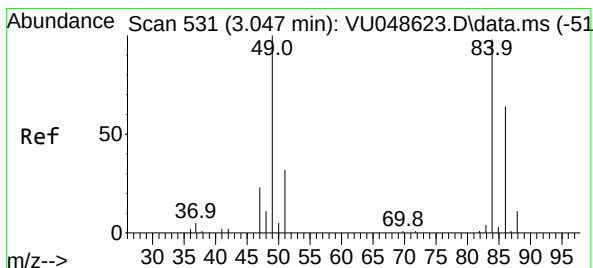
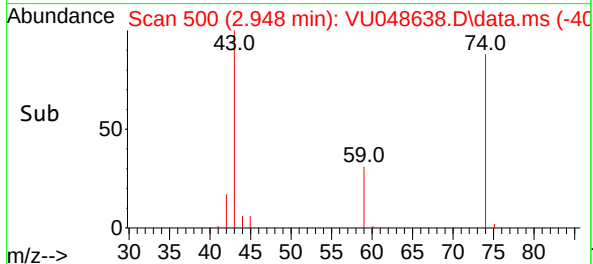
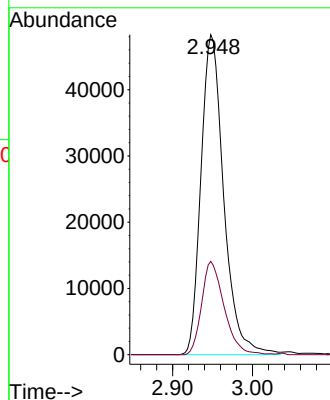
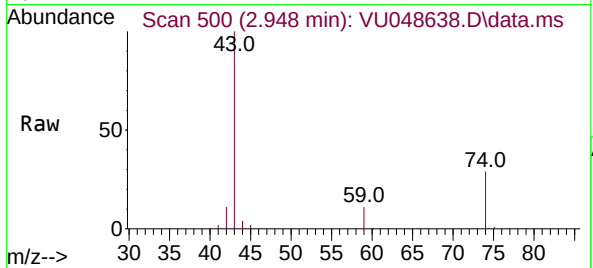




#15
Methyl Acetate
Concen: 44.274 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

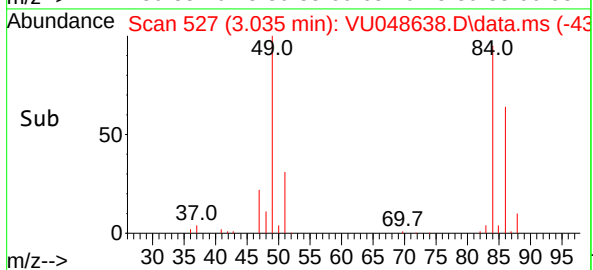
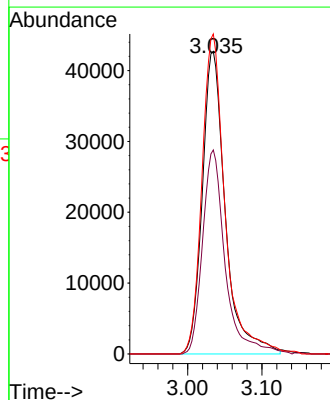
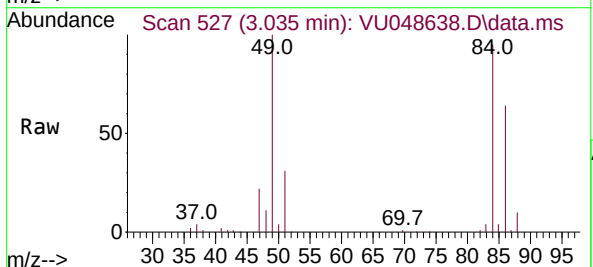
Instrument :
MSVOA_U
ClientSampleId :
EW4K6MEMS

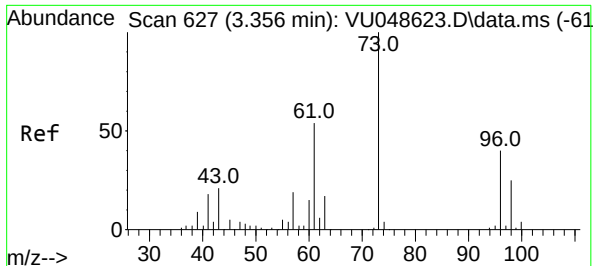
Tgt Ion: 43 Resp: 95746
Ion Ratio Lower Upper
43 100
74 28.7 21.7 32.5



#16
Methylene chloride
Concen: 45.399 ug/L
RT: 3.035 min Scan# 527
Delta R.T. -0.013 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Tgt Ion: 84 Resp: 92016
Ion Ratio Lower Upper
84 100
86 67.4 43.5 80.9
49 105.8 76.4 141.8





#17

trans-1,2-Dichloroethene

Concen: 47.921 ug/L

RT: 3.337 min Scan# 61

Delta R.T. -0.019 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Instrument :

MSVOA_U

ClientSampleId :

EW4K6MEMS

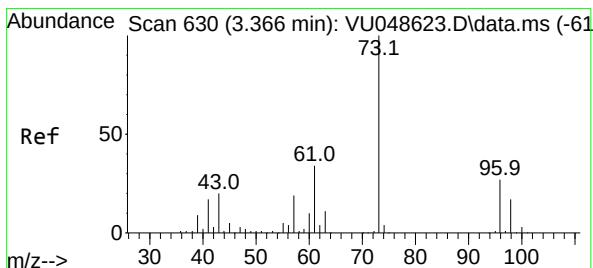
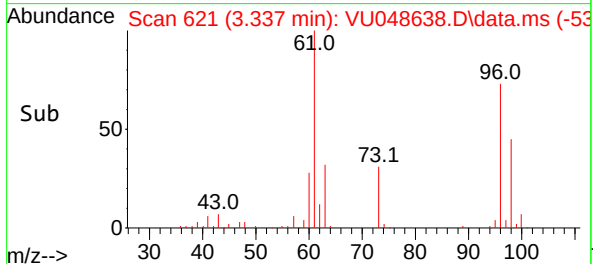
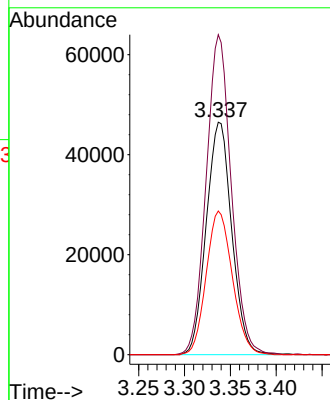
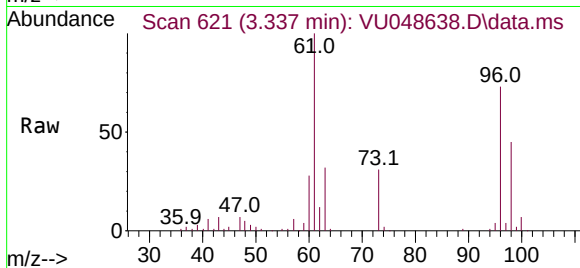
Tgt Ion: 96 Resp: 89984

Ion Ratio Lower Upper

96 100

61 137.6 94.2 175.0

98 61.8 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 49.933 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.000 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

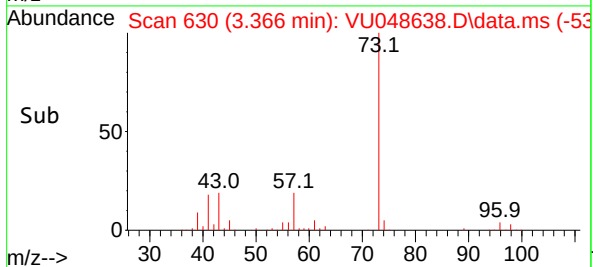
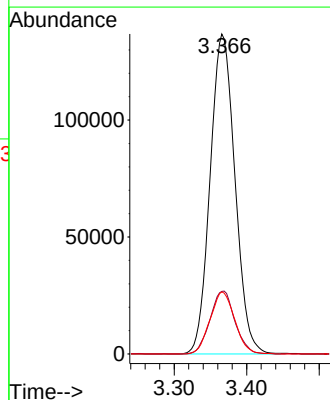
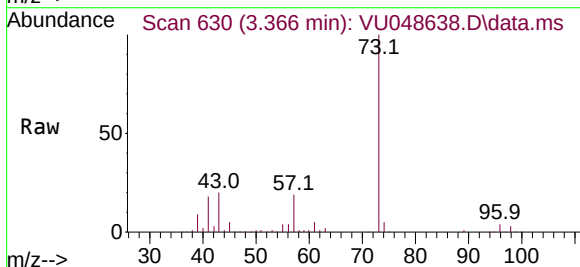
Tgt Ion: 73 Resp: 325309

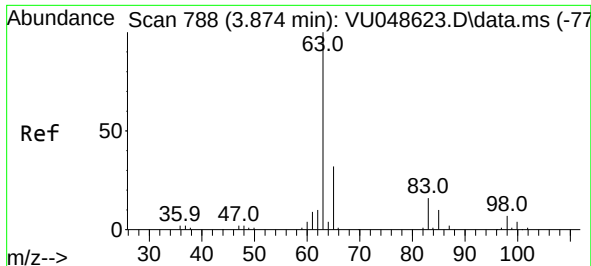
Ion Ratio Lower Upper

73 100

43 19.7 16.2 24.4

57 19.3 15.7 23.5





#19

1,1-Dichloroethane

Concen: 47.674 ug/L

RT: 3.858 min Scan# 71

Delta R.T. -0.016 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Instrument :

MSVOA_U

ClientSampleId :

EW4K6MEMS

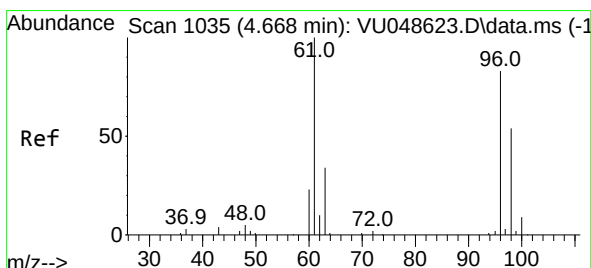
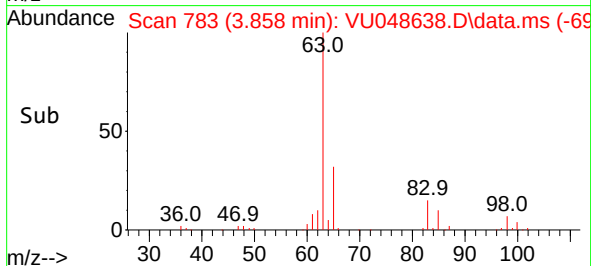
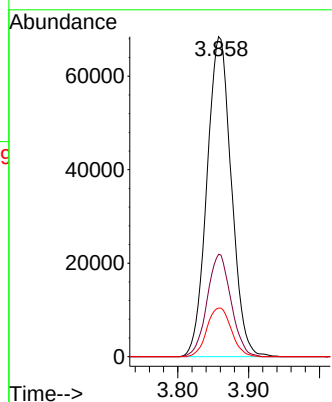
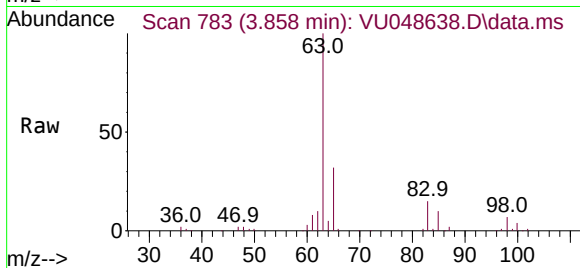
Tgt Ion: 63 Resp: 163893

Ion Ratio Lower Upper

63 100

65 32.0 21.8 40.6

83 15.2 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 47.957 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.010 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

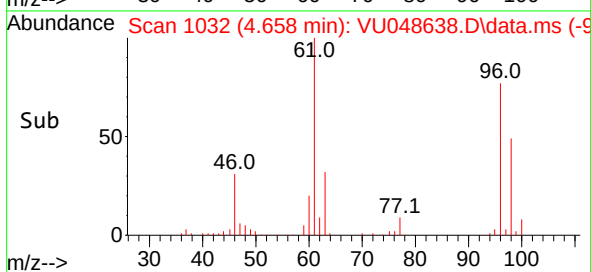
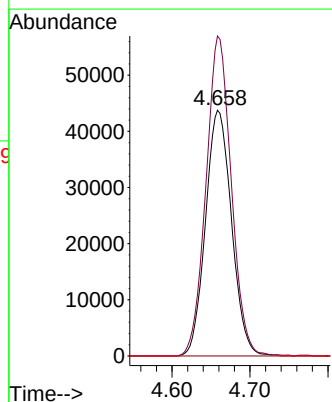
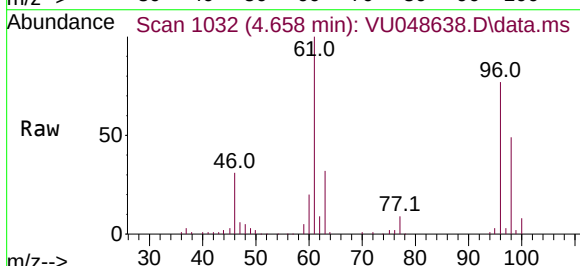
Tgt Ion: 96 Resp: 101554

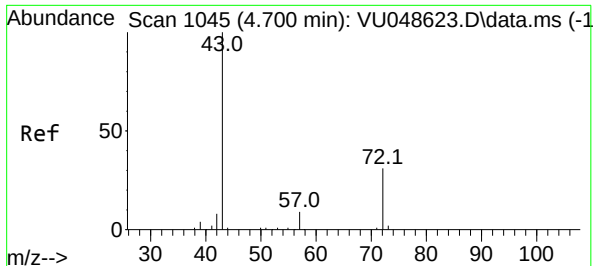
Ion Ratio Lower Upper

96 100

61 130.2 88.3 164.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 92.921 ug/L

RT: 4.707 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Instrument :

MSVOA_U

ClientSampleId :

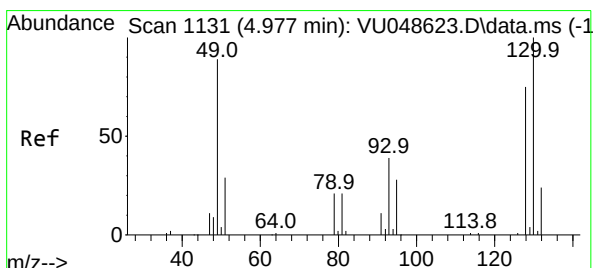
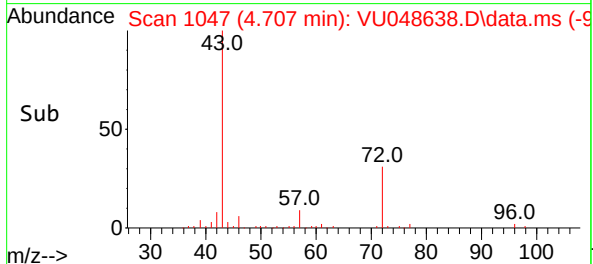
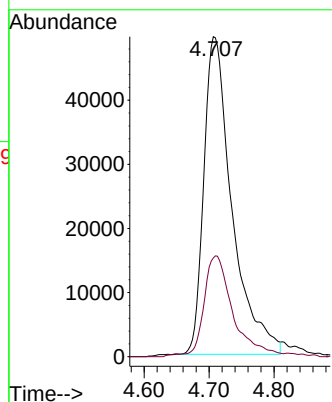
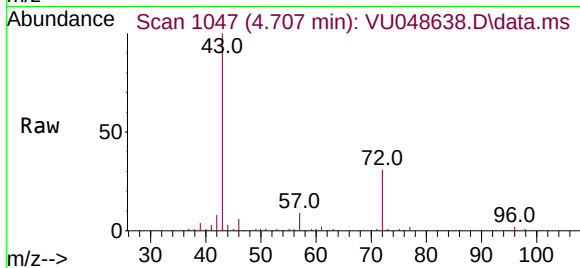
EW4K6MEMS

Tgt Ion: 43 Resp: 149499

Ion Ratio Lower Upper

43 100

72 32.3 15.4 46.2



#23

Bromochloromethane

Concen: 47.931 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.010 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Tgt Ion: 128 Resp: 56323

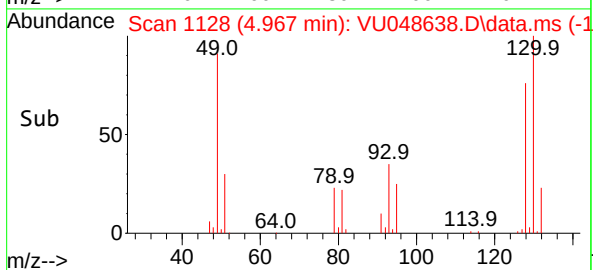
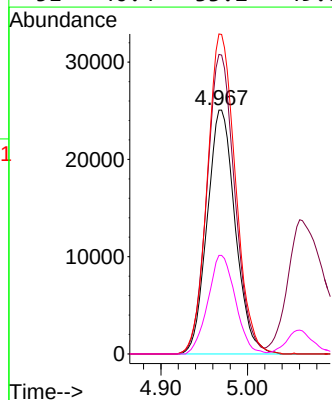
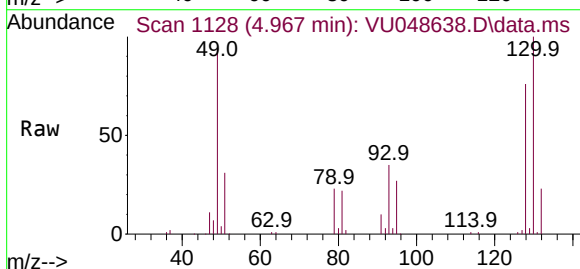
Ion Ratio Lower Upper

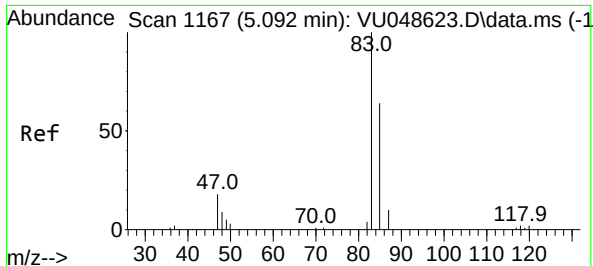
128 100

49 122.8 91.9 170.7

130 131.2 88.4 164.2

51 40.4 33.2 49.8





#25

Chloroform

Concen: 47.497 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.006 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Instrument :

MSVOA_U

ClientSampleId :

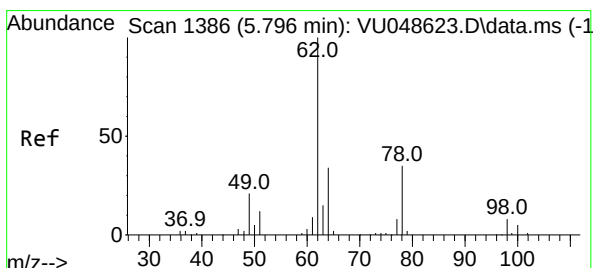
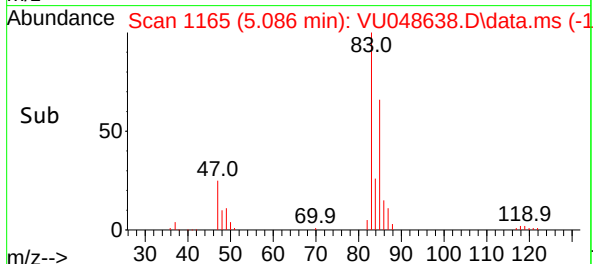
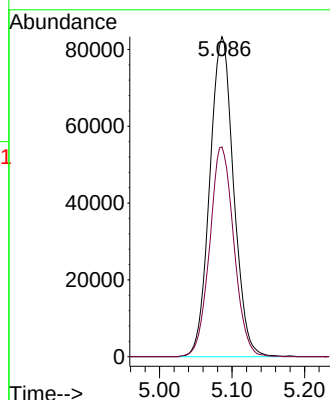
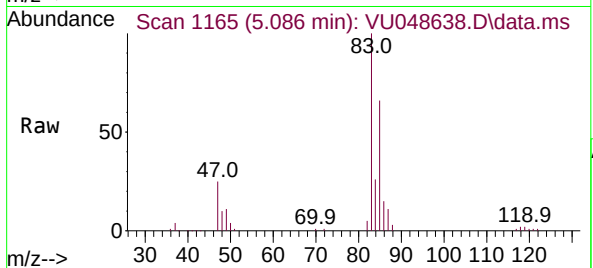
EW4K6MEMS

Tgt Ion: 83 Resp: 190589

Ion Ratio Lower Upper

83 100

85 65.6 45.1 83.7



#27

1,2-Dichloroethane

Concen: 48.132 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.006 min

Lab File: VU048638.D

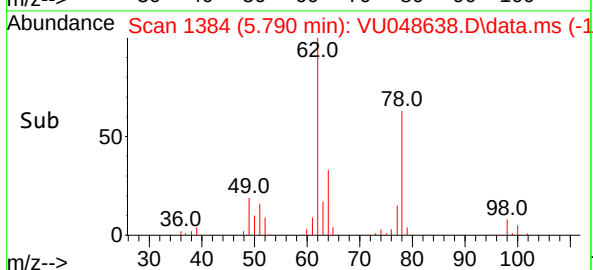
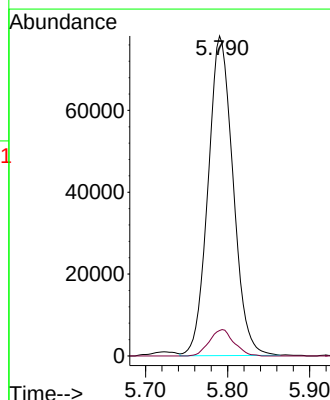
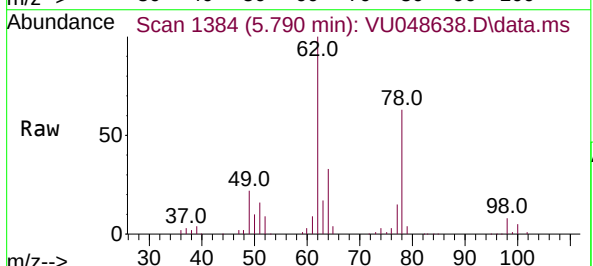
Acq: 19 May 2022 18:27

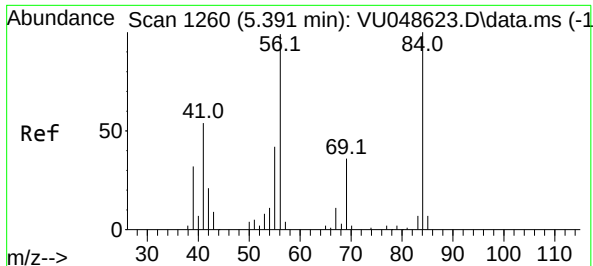
Tgt Ion: 62 Resp: 165682

Ion Ratio Lower Upper

62 100

98 7.9 6.0 9.0





#29

Cyclohexane

Concen: 46.173 ug/L

RT: 5.378 min Scan# 11

Delta R.T. -0.013 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Instrument :

MSVOA_U

ClientSampleId :

EW4K6MEMS

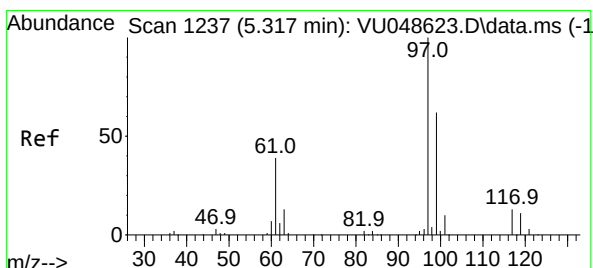
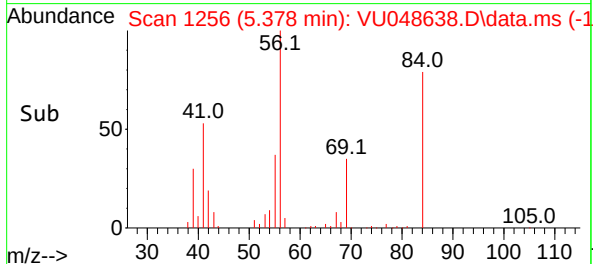
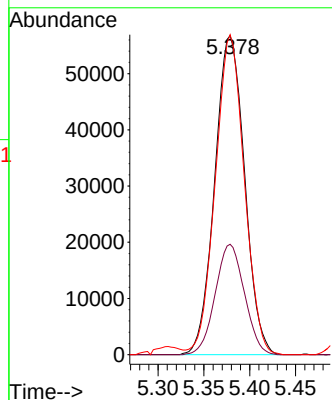
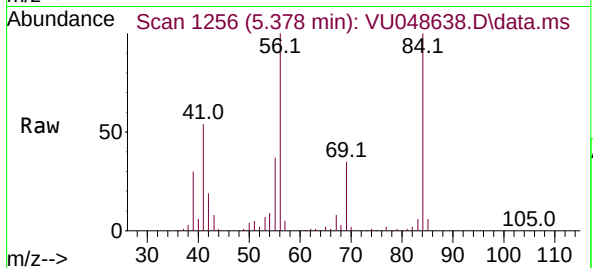
Tgt Ion: 56 Resp: 128600

Ion Ratio Lower Upper

56 100

69 33.8 26.5 39.7

84 97.2 78.0 117.0



#30

1,1,1-Trichloroethane

Concen: 45.746 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.010 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

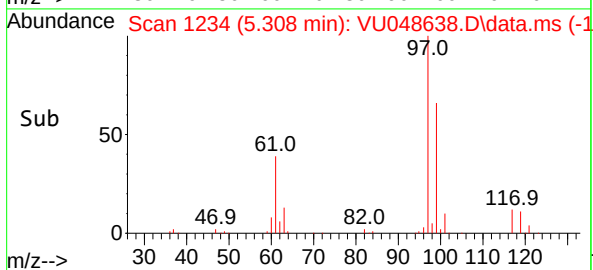
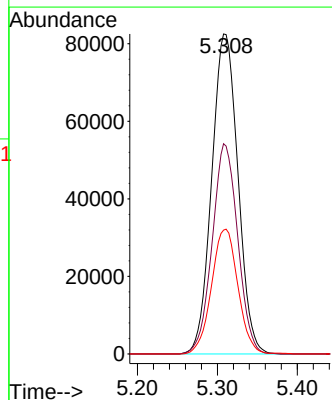
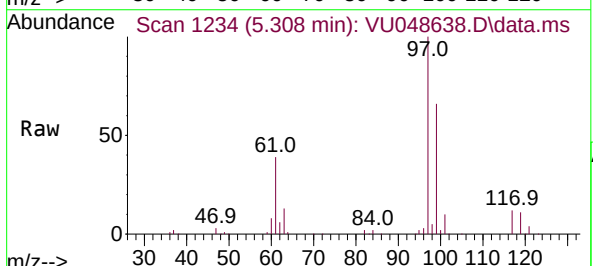
Tgt Ion: 97 Resp: 187825

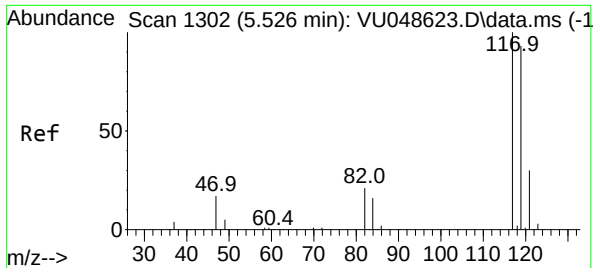
Ion Ratio Lower Upper

97 100

99 64.0 50.3 75.5

61 39.3 32.6 48.8

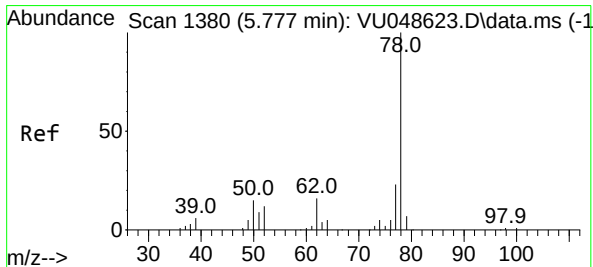
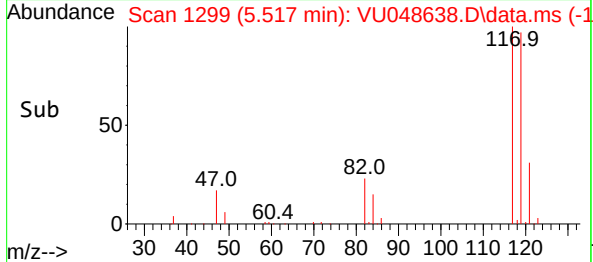
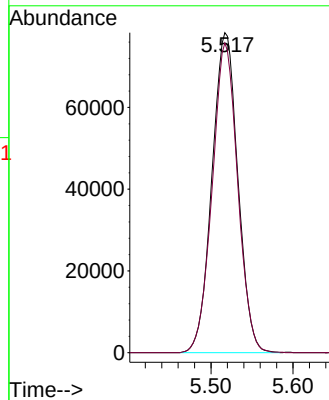
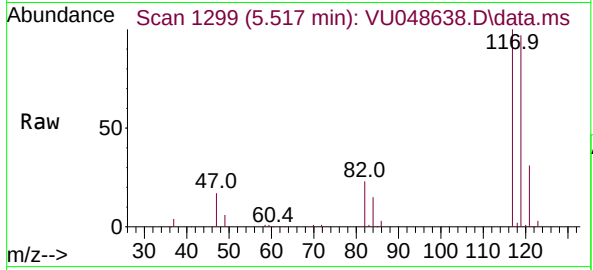




#31
Carbon tetrachloride
Concen: 45.892 ug/L
RT: 5.517 min Scan# 1302
Delta R.T. -0.010 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

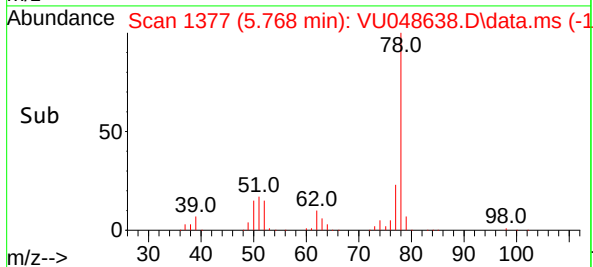
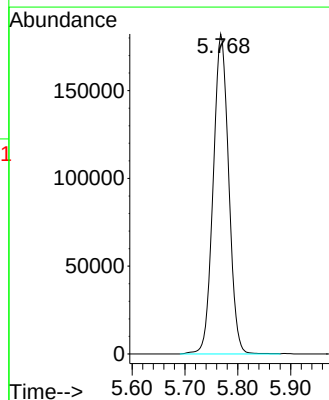
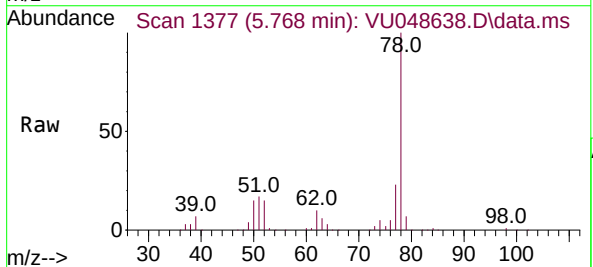
Instrument :
MSVOA_U
ClientSampleId :
EW4K6MEMS

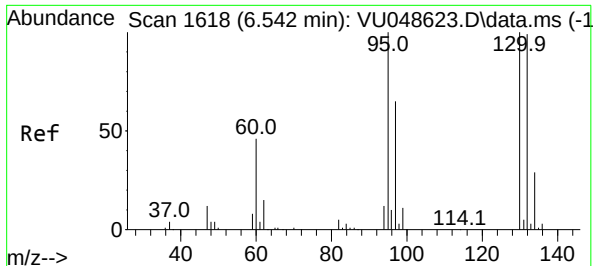
Tgt Ion:117 Resp: 171720
Ion Ratio Lower Upper
117 100
119 95.3 76.0 114.0



#33
Benzene
Concen: 46.946 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.010 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Tgt Ion: 78 Resp: 371921

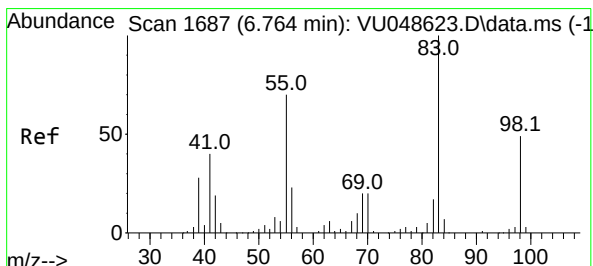
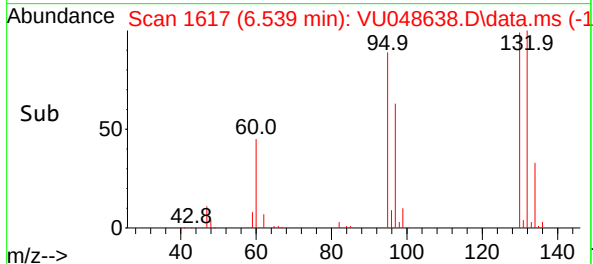
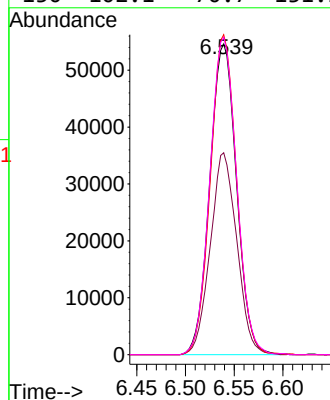
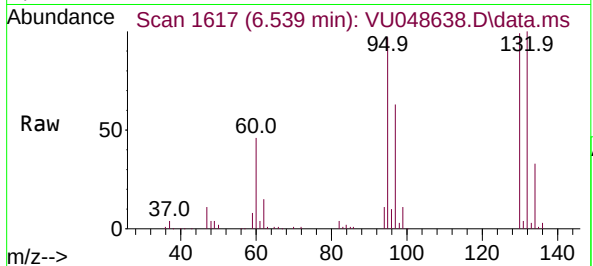




#34
Trichloroethene
Concen: 46.566 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

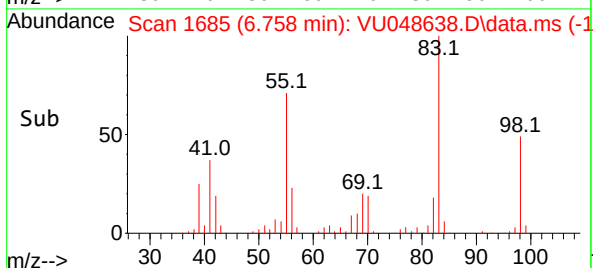
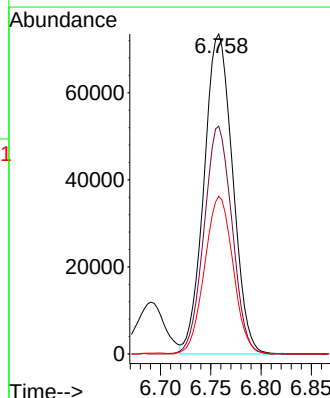
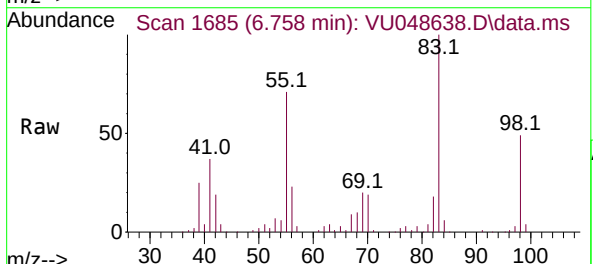
Instrument :
MSVOA_U
ClientSampleId :
EW4K6MEMS

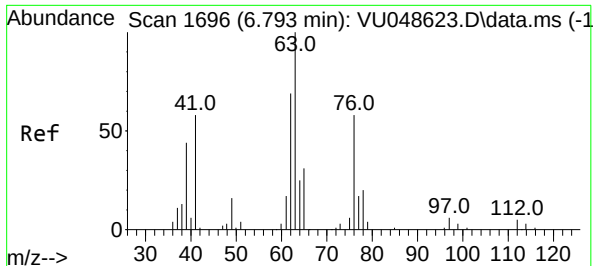
Tgt Ion: 95 Resp: 104372
Ion Ratio Lower Upper
95 100
97 65.0 45.2 84.0
132 103.0 67.3 124.9
130 102.1 70.7 131.3



#35
Methylcyclohexane
Concen: 45.288 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Tgt Ion: 83 Resp: 145664
Ion Ratio Lower Upper
83 100
55 69.7 56.2 84.4
98 49.0 38.2 57.2





#37

1,2-Dichloropropane

Concen: 45.331 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Instrument :

MSVOA_U

ClientSampleId :

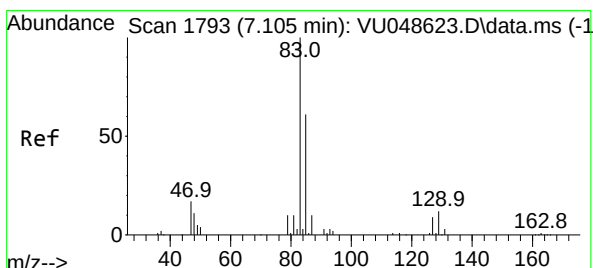
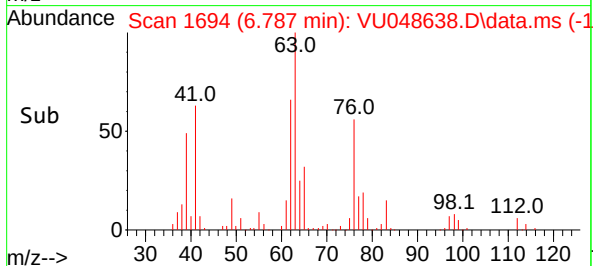
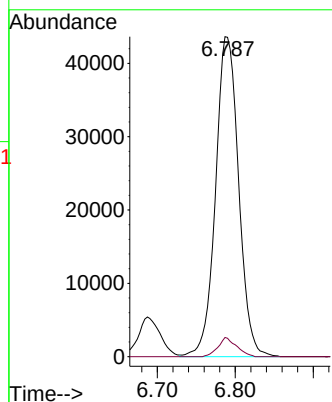
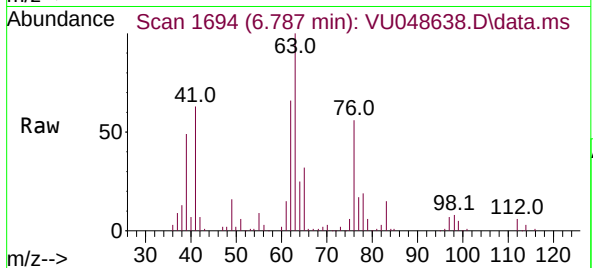
EW4K6MEMS

Tgt Ion: 63 Resp: 89798

Ion Ratio Lower Upper

63 100

112 4.8 3.7 5.5



#38

Bromodichloromethane

Concen: 45.894 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

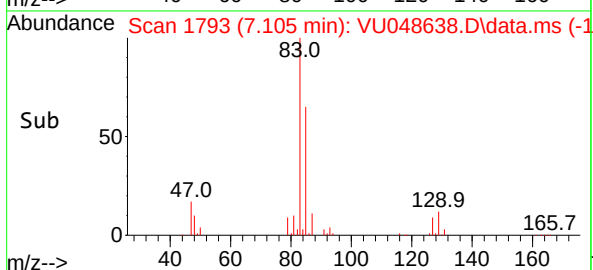
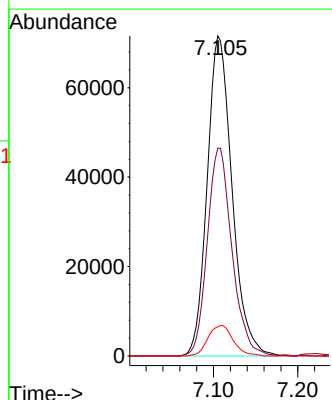
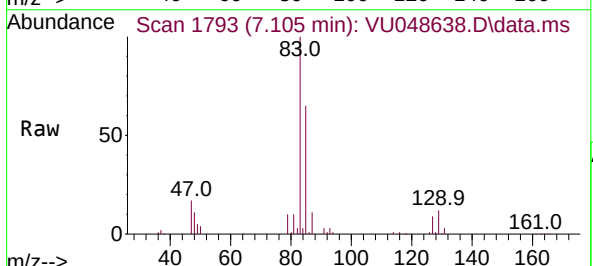
Tgt Ion: 83 Resp: 147092

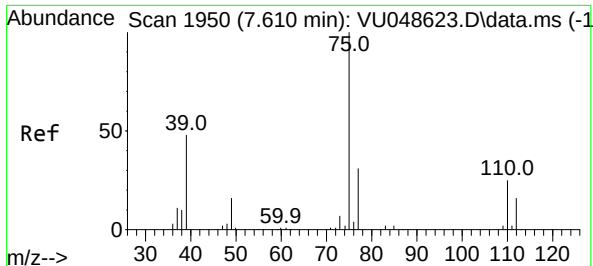
Ion Ratio Lower Upper

83 100

85 64.9 46.1 85.5

127 9.1 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 48.231 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Instrument :

MSVOA_U

ClientSampleId :

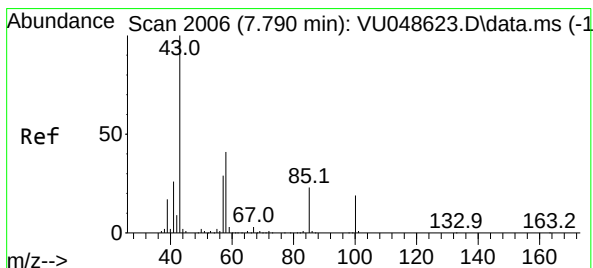
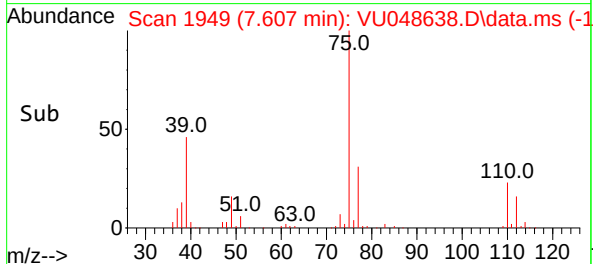
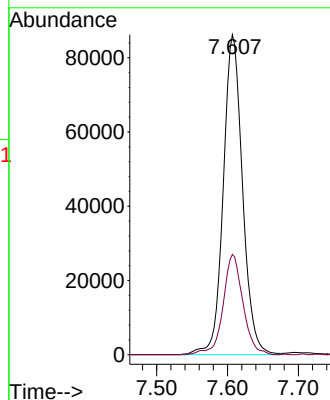
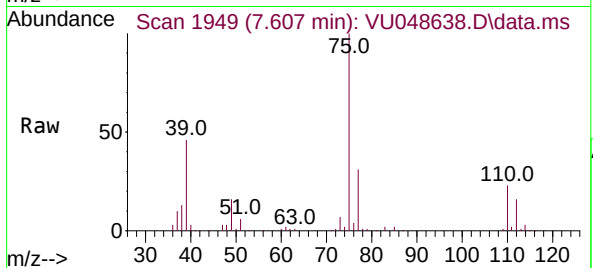
EW4K6MEMS

Tgt Ion: 75 Resp: 163123

Ion Ratio Lower Upper

75 100

77 31.3 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 93.611 ug/L

RT: 7.809 min Scan# 2012

Delta R.T. 0.019 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

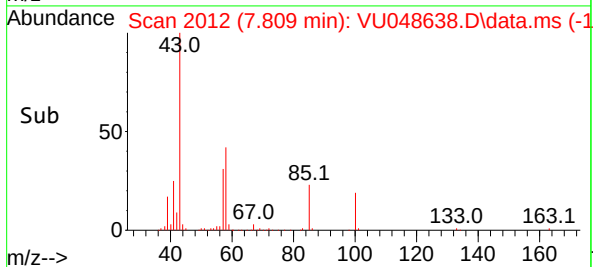
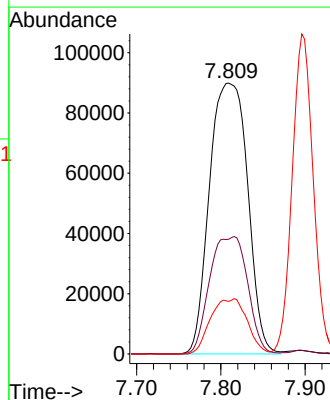
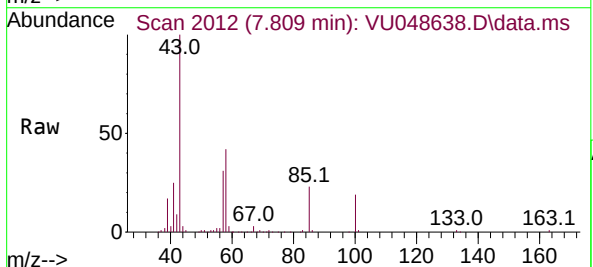
Tgt Ion: 43 Resp: 282986

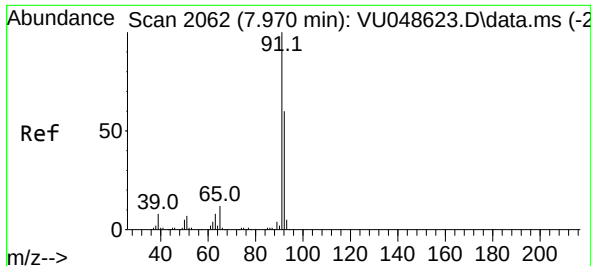
Ion Ratio Lower Upper

43 100

58 20.3 34.3 51.5#

100 10.3 14.7 22.1#





#42

Toluene

Concen: 48.451 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Instrument :

MSVOA_U

ClientSampleId :

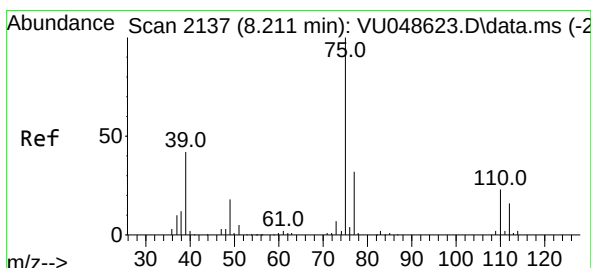
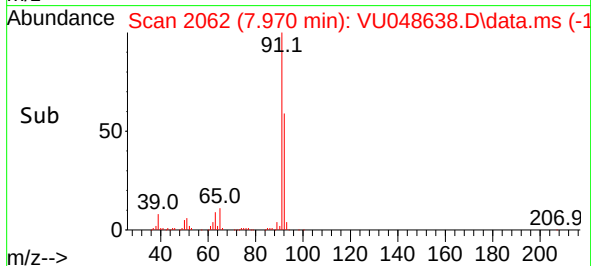
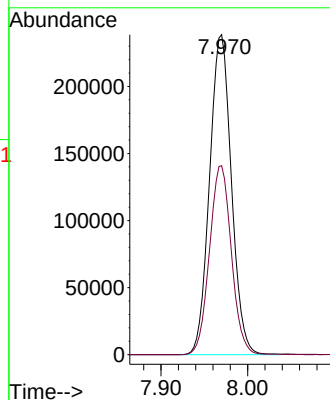
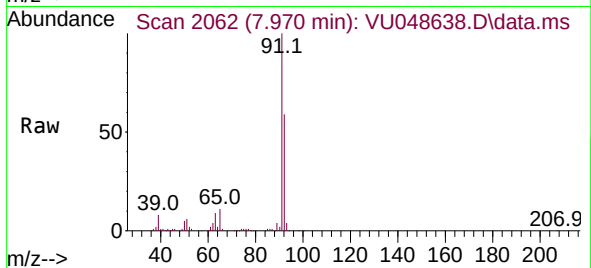
EW4K6MEMS

Tgt Ion: 91 Resp: 418367

Ion Ratio Lower Upper

91 100

92 59.1 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 48.242 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048638.D

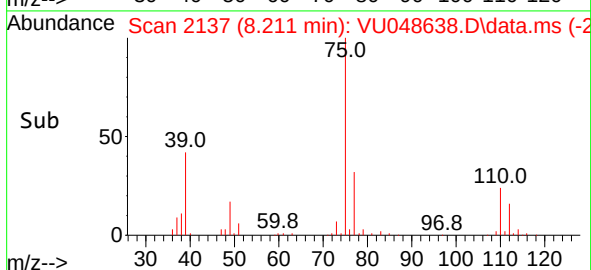
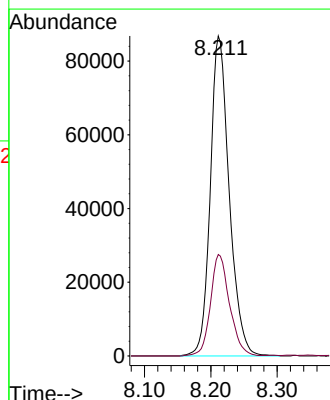
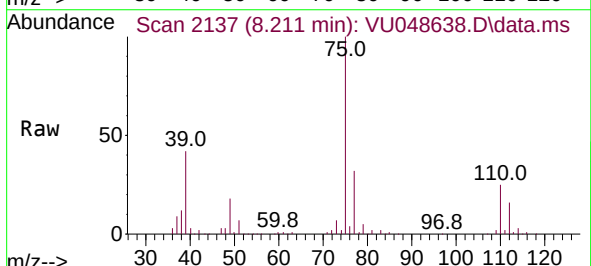
Acq: 19 May 2022 18:27

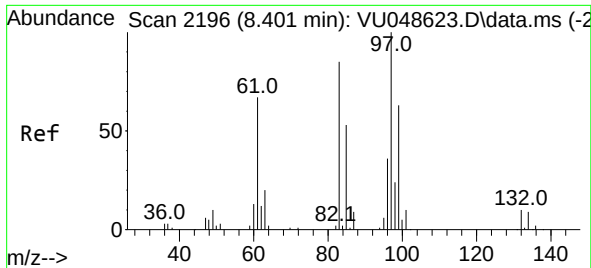
Tgt Ion: 75 Resp: 172066

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.1



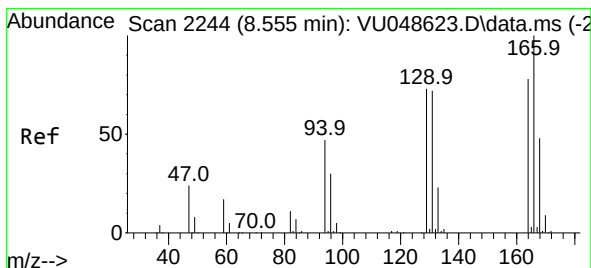
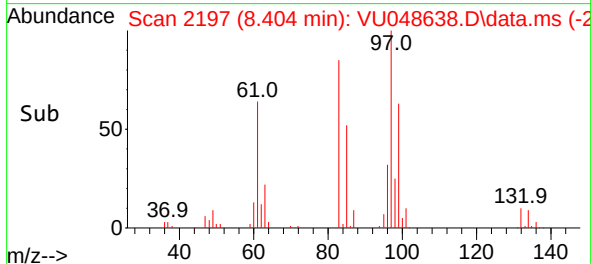
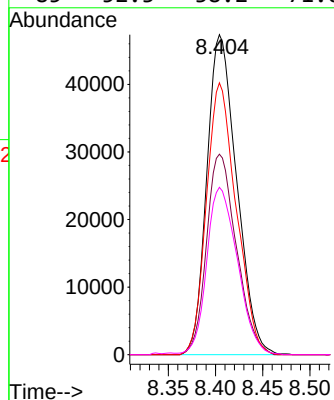
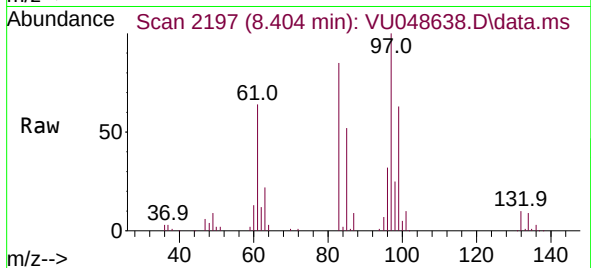


#45
1,1,2-Trichloroethane
Concen: 49.002 ug/L
RT: 8.404 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Instrument :
MSVOA_U
ClientSampleId :
EW4K6MEMS

Tgt Ion: 97 Resp: 103950

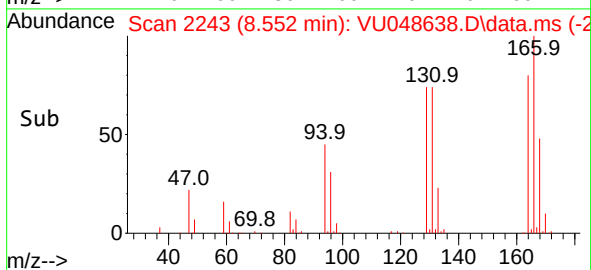
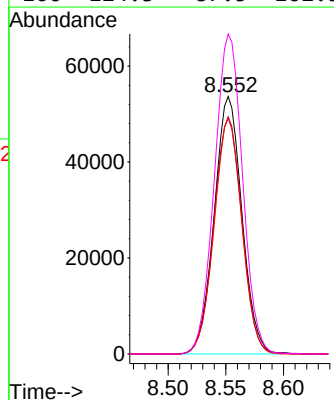
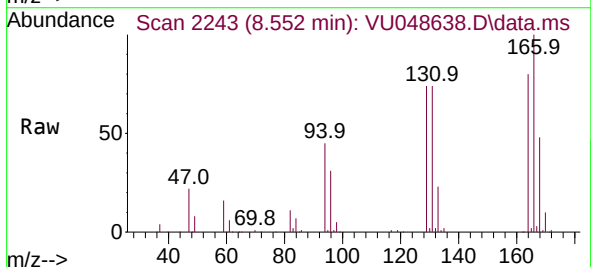
Ion	Ratio	Lower	Upper
97	100		
99	62.6	42.2	78.4
83	85.0	58.4	108.6
85	52.3	38.2	71.0

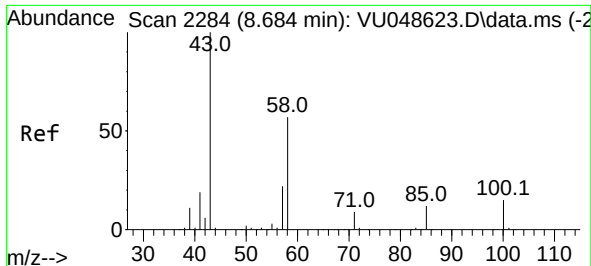


#46
Tetrachloroethene
Concen: 49.107 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Tgt Ion: 164 Resp: 89816

Ion	Ratio	Lower	Upper
164	100		
129	92.1	64.3	119.3
131	91.5	64.5	119.7
166	124.3	87.5	162.5

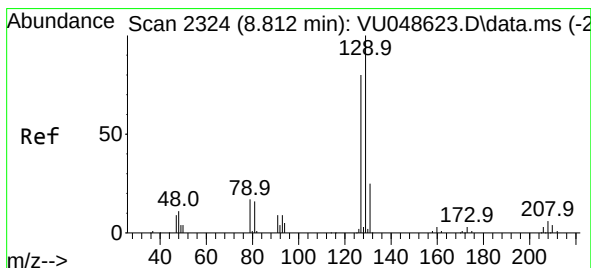
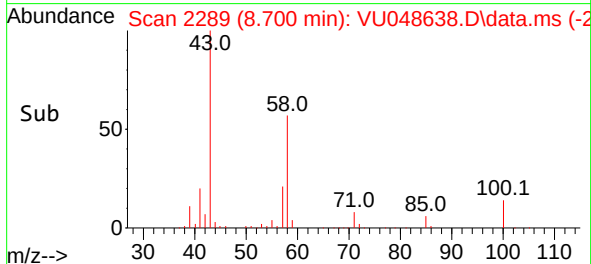
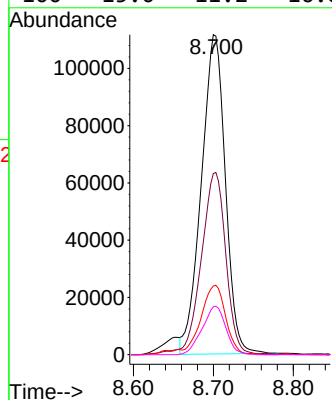
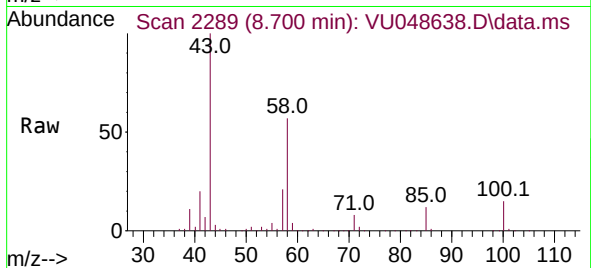




#48
2-Hexanone
Concen: 90.157 ug/L
RT: 8.700 min Scan# 21
Delta R.T. 0.016 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

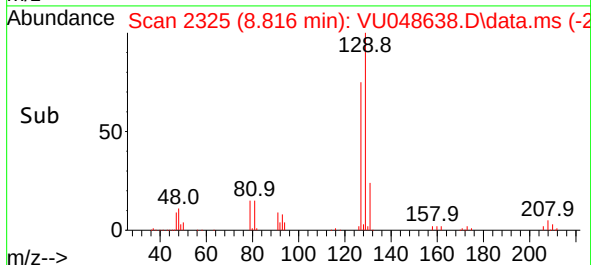
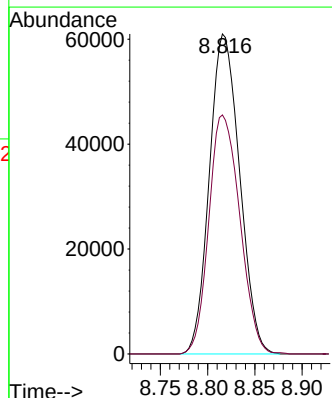
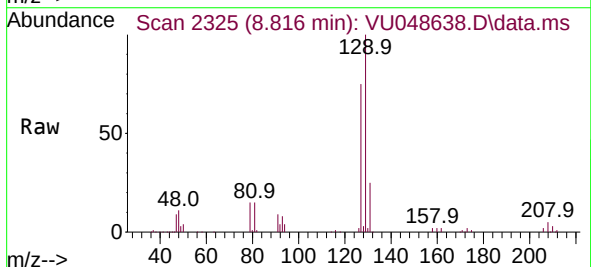
Instrument :
MSVOA_U
ClientSampleId :
EW4K6MEMS

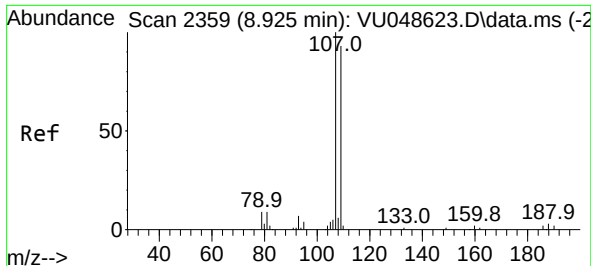
Tgt Ion: 43	Resp: 233514
Ion Ratio	Lower Upper
43 100	
58 57.6	45.8 68.6
57 21.6	16.8 25.2
100 15.0	11.2 16.8



#49
Dibromochloromethane
Concen: 49.861 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. 0.003 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Tgt Ion:129	Resp: 135989		
Ion Ratio	Lower	Upper	
129 100			
127 74.7	53.1	98.5	

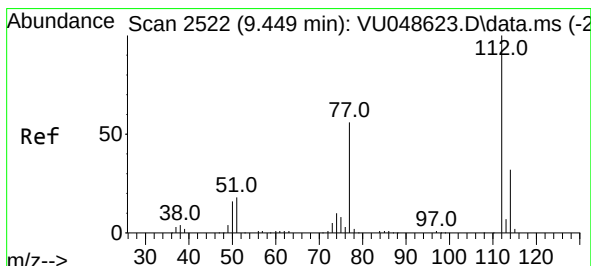
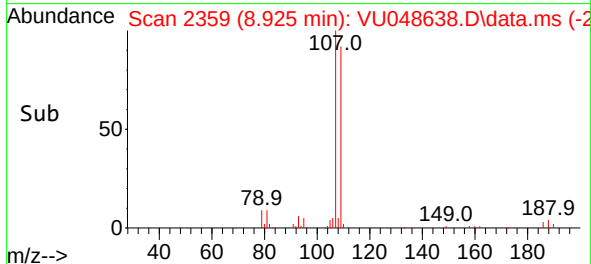
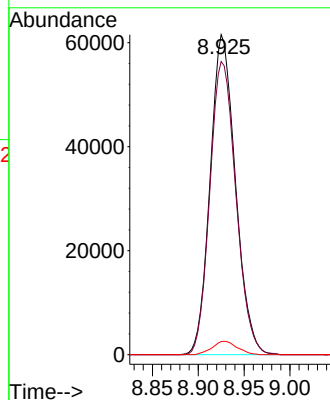
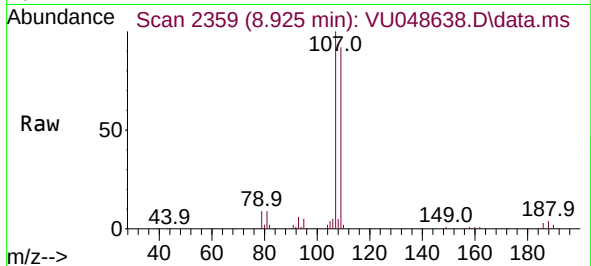




#50
1,2-Dibromoethane
Concen: 48.256 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

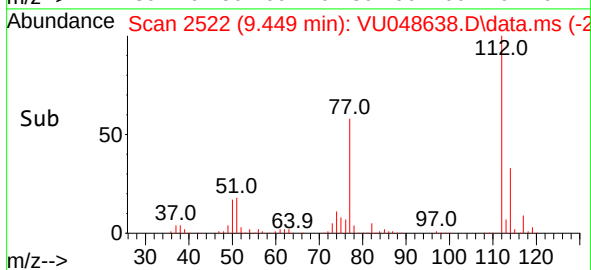
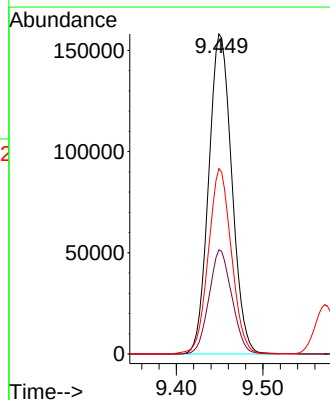
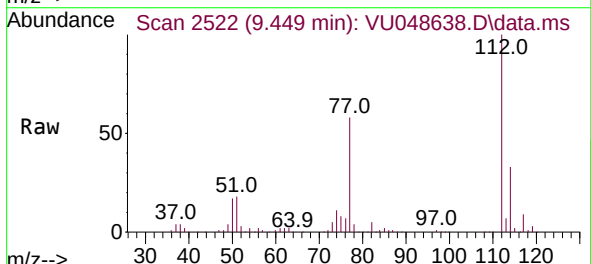
Instrument :
MSVOA_U
ClientSampleId :
EW4K6MEMS

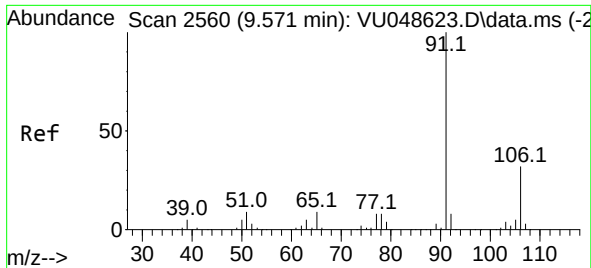
Tgt Ion:107 Resp: 118142
Ion Ratio Lower Upper
107 100
109 91.6 67.5 125.3
188 4.1 3.4 5.2



#51
Chlorobenzene
Concen: 48.696 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Tgt Ion:112 Resp: 293267
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.5
77 58.0 46.5 69.7

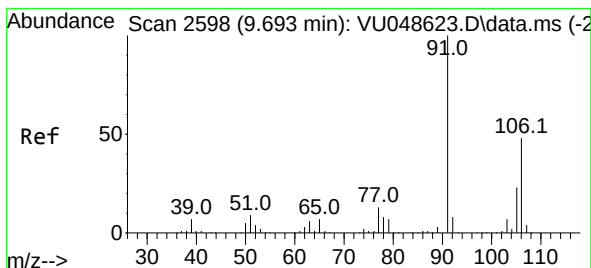
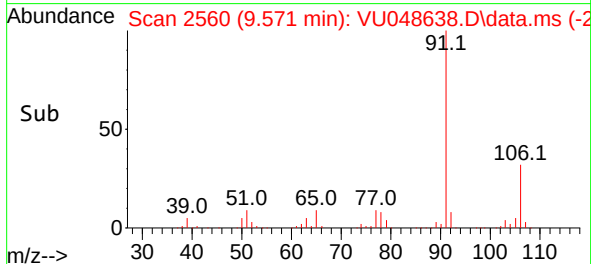
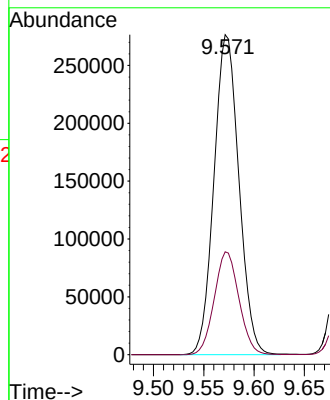
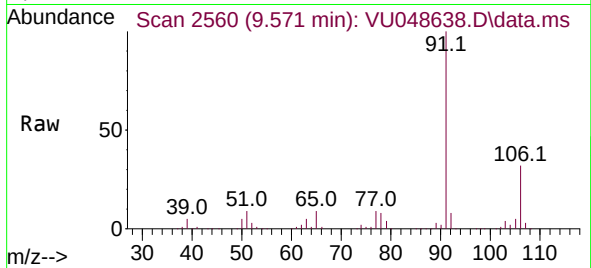




#52
Ethylbenzene
Concen: 48.310 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

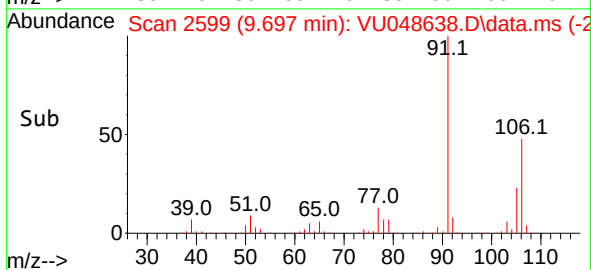
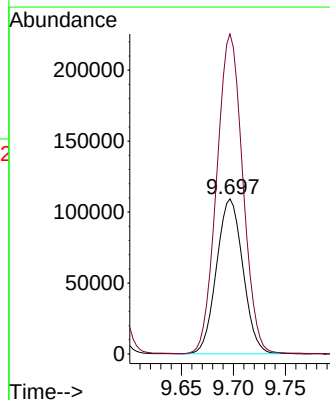
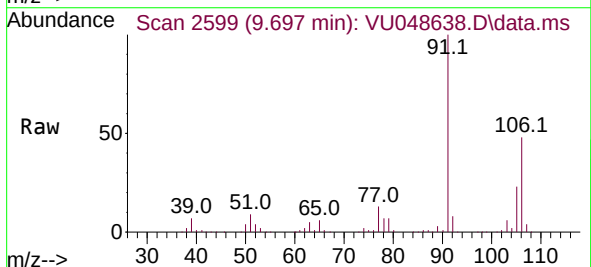
Instrument :
MSVOA_U
ClientSampleId :
EW4K6MEMS

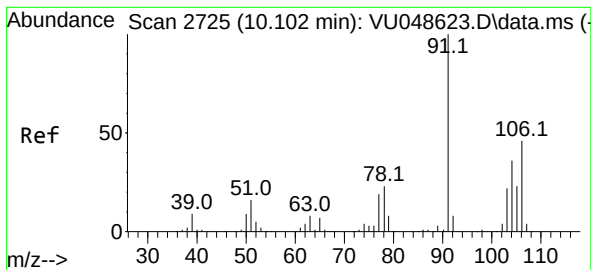
Tgt Ion: 91 Resp: 476711
Ion Ratio Lower Upper
91 100
106 32.1 21.8 40.6



#53
m,p-Xylene
Concen: 48.607 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Tgt Ion: 106 Resp: 192755
Ion Ratio Lower Upper
106 100
91 206.4 141.8 263.4





#54

o-Xylene

Concen: 50.036 ug/L

RT: 10.105 min Scan# 2725

Delta R.T. 0.003 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Instrument :

MSVOA_U

ClientSampleId :

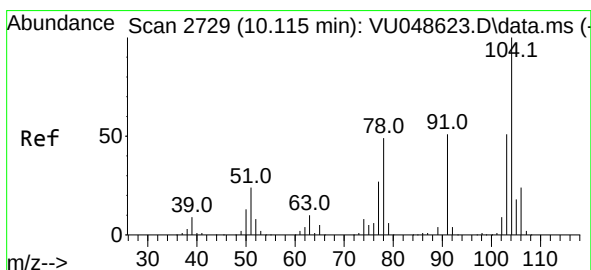
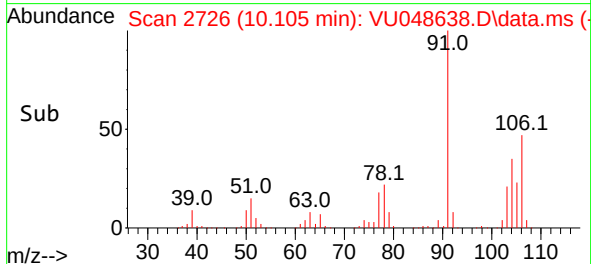
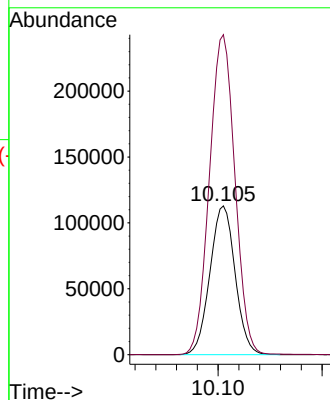
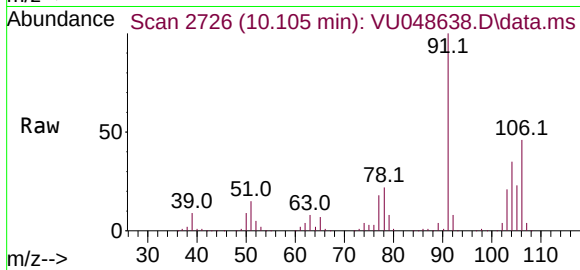
EW4K6MEMS

Tgt Ion:106 Resp: 190092

Ion Ratio Lower Upper

106 100

91 215.1 150.1 278.9



#55

Styrene

Concen: 51.313 ug/L

RT: 10.121 min Scan# 2731

Delta R.T. 0.006 min

Lab File: VU048638.D

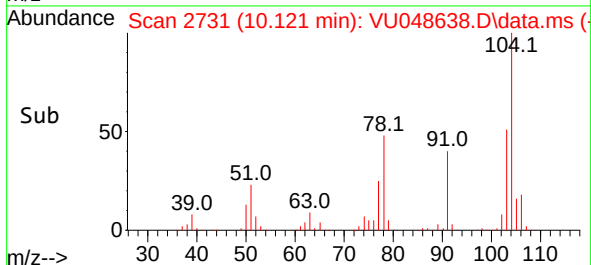
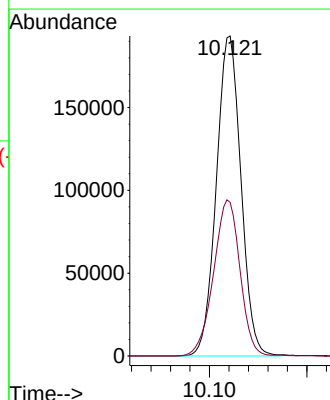
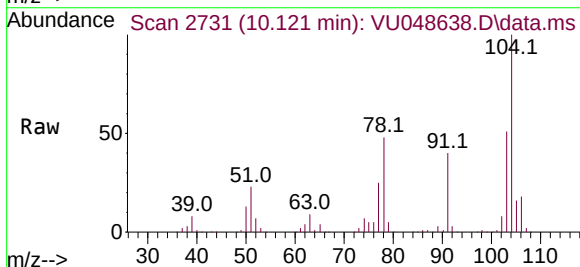
Acq: 19 May 2022 18:27

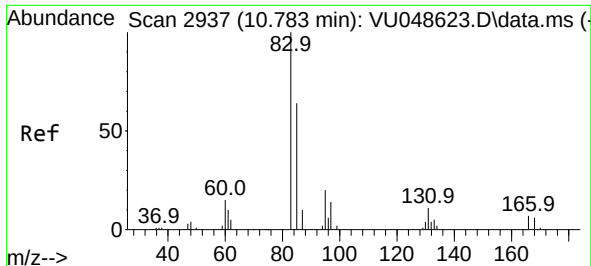
Tgt Ion:104 Resp: 338945

Ion Ratio Lower Upper

104 100

78 48.0 32.7 60.7

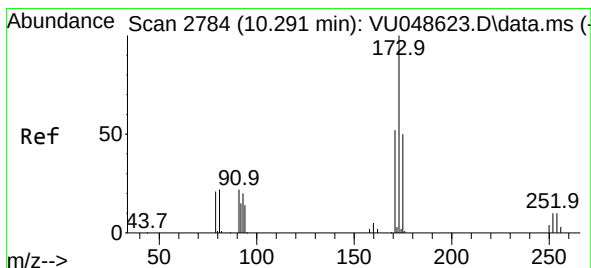
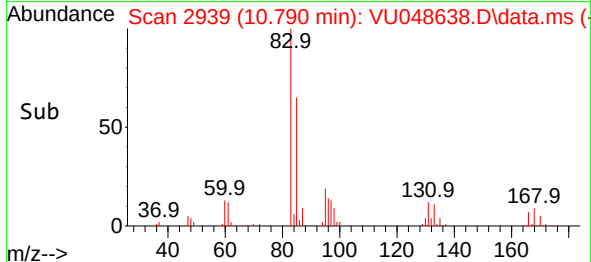
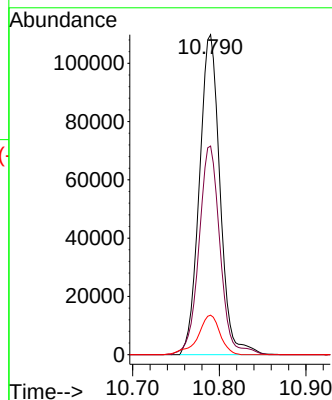
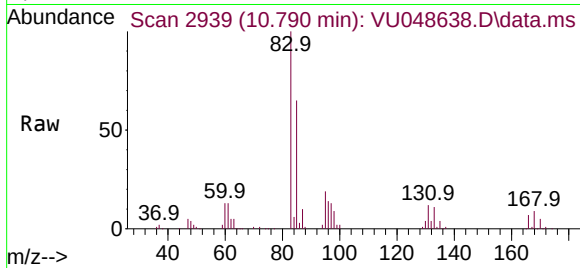




#57
1,1,2,2-Tetrachloroethane
Concen: 49.513 ug/L
RT: 10.790 min Scan# 2939
Delta R.T. 0.007 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

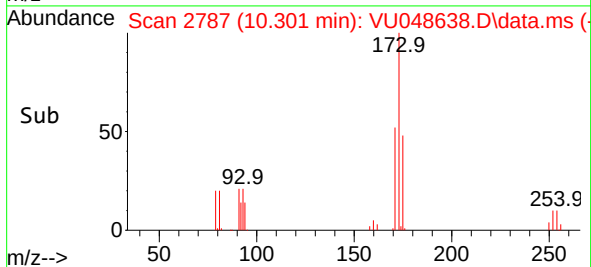
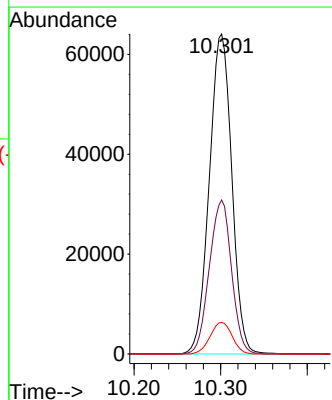
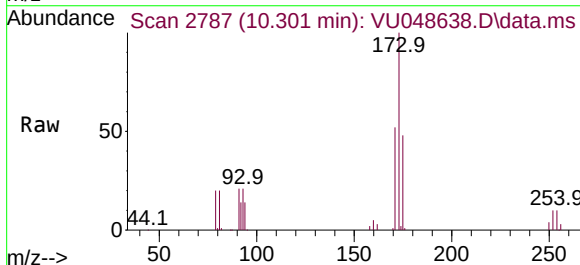
Instrument :
MSVOA_U
ClientSampleId :
EW4K6MEMS

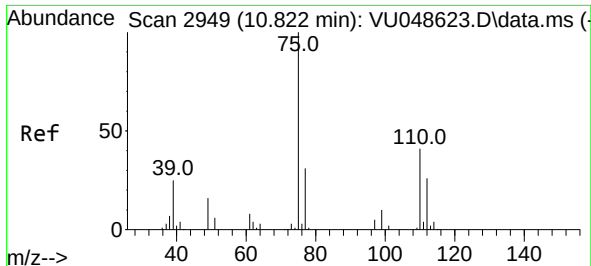
Tgt Ion: 83 Resp: 181528
Ion Ratio Lower Upper
83 100
85 65.2 44.1 81.9
131 12.3 8.9 13.3



#59
Bromoform
Concen: 50.572 ug/L
RT: 10.301 min Scan# 2787
Delta R.T. 0.010 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Tgt Ion: 173 Resp: 115449
Ion Ratio Lower Upper
173 100
175 47.5 38.2 57.4
254 9.6 7.7 11.5

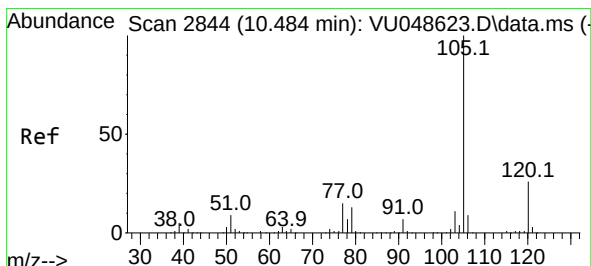
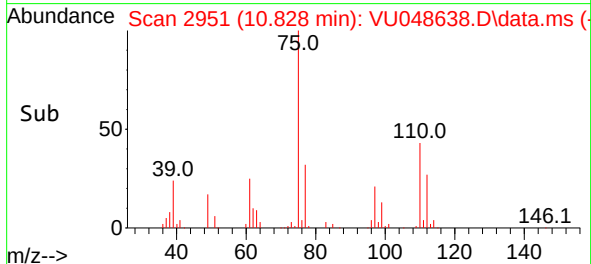
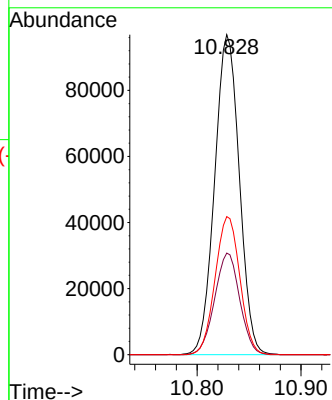
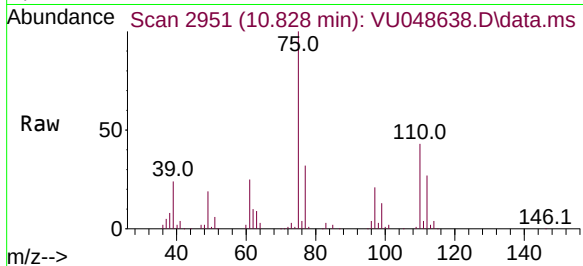




#60
1,2,3-Trichloropropane
Concen: 48.500 ug/L
RT: 10.828 min Scan# 2949
Delta R.T. 0.007 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

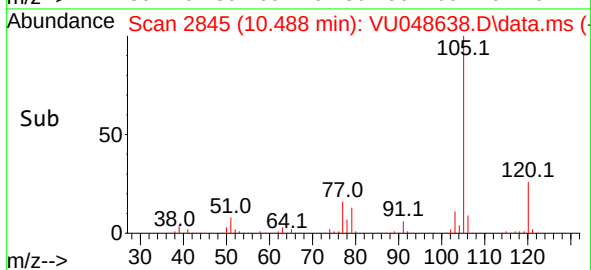
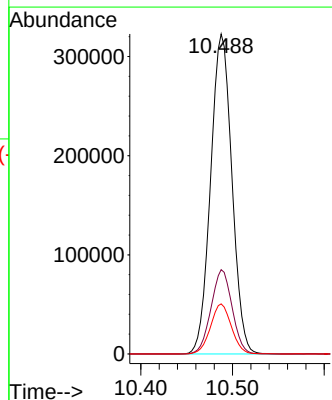
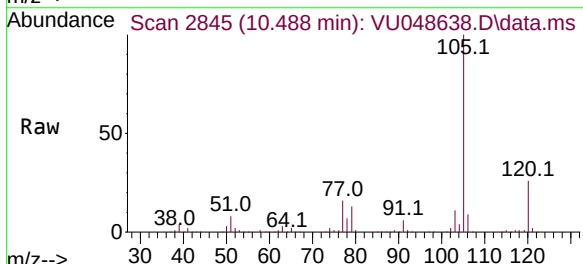
Instrument :
MSVOA_U
ClientSampleId :
EW4K6MEMS

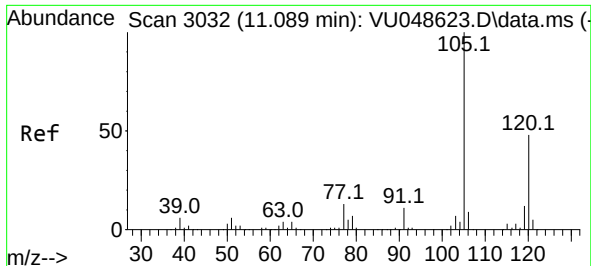
Tgt Ion: 75 Resp: 159743
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.0
110 43.2 32.1 48.1



#61
Isopropylbenzene
Concen: 50.891 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Tgt Ion: 105 Resp: 520508
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.6
77 15.3 12.5 18.7





#62

1,3,5-Trimethylbenzene

Concen: 52.284 ug/L

RT: 11.092 min Scan# 3032

Delta R.T. 0.003 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Instrument :

MSVOA_U

ClientSampleId :

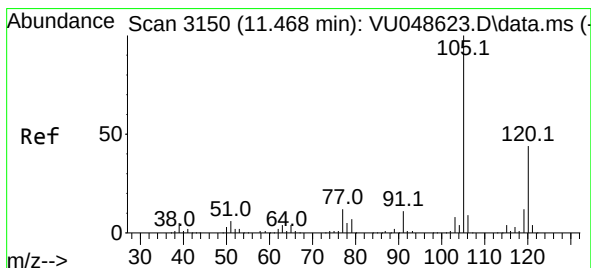
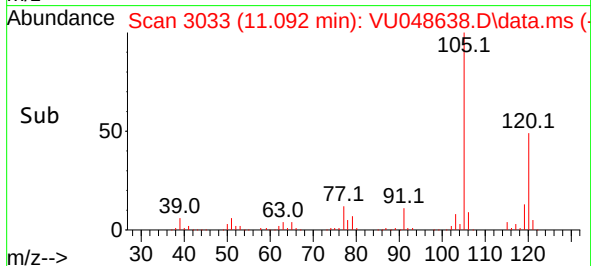
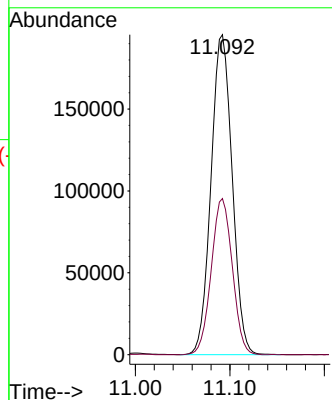
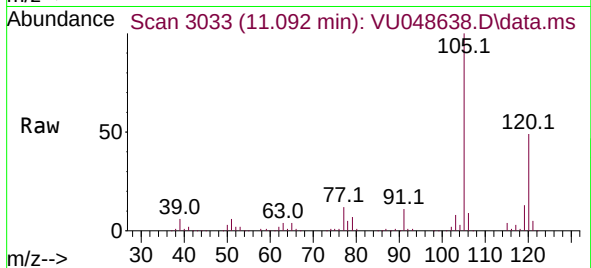
EW4K6MEMS

Tgt Ion:105 Resp: 304011

Ion Ratio Lower Upper

105 100

120 48.5 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 52.362 ug/L

RT: 11.472 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VU048638.D

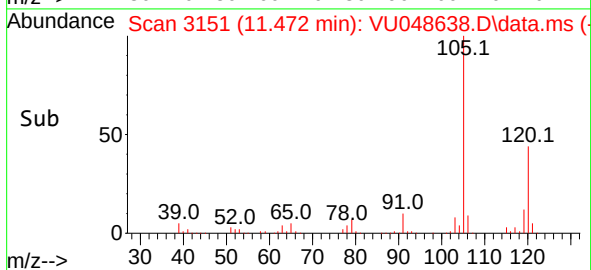
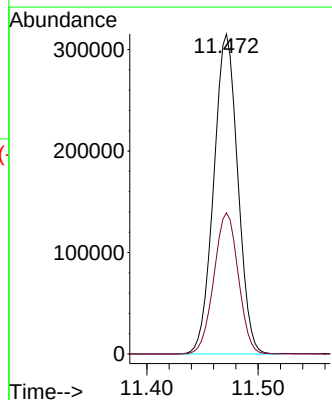
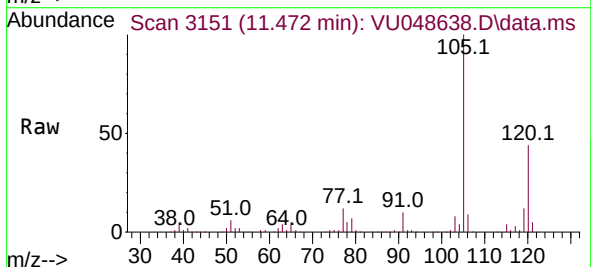
Acq: 19 May 2022 18:27

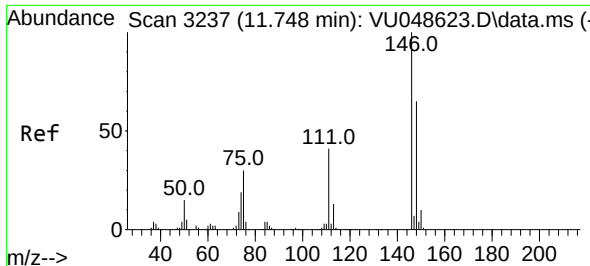
Tgt Ion:105 Resp: 473441

Ion Ratio Lower Upper

105 100

120 44.7 35.4 53.2

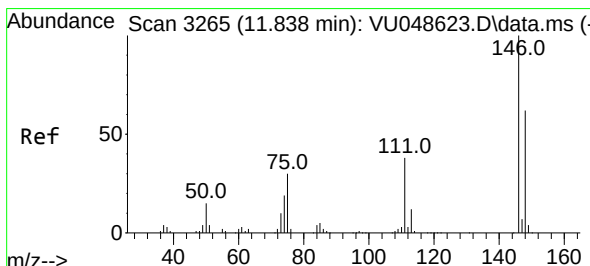
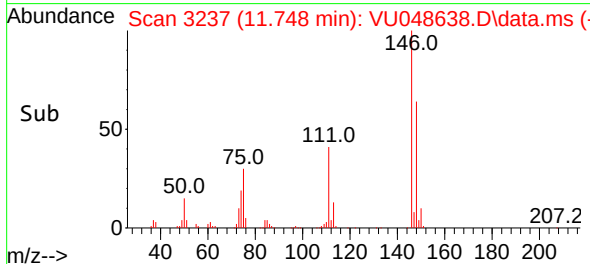
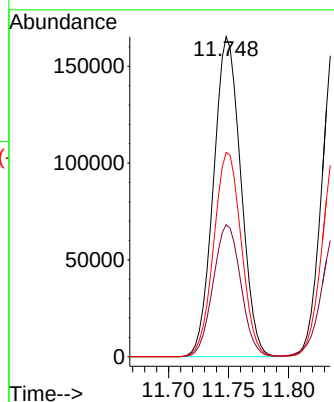
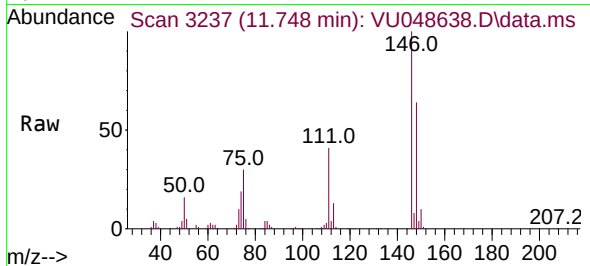




#64
1,3-Dichlorobenzene
Concen: 49.613 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

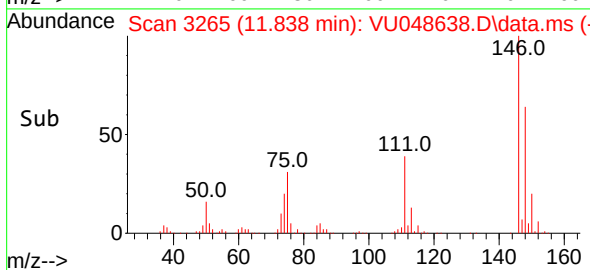
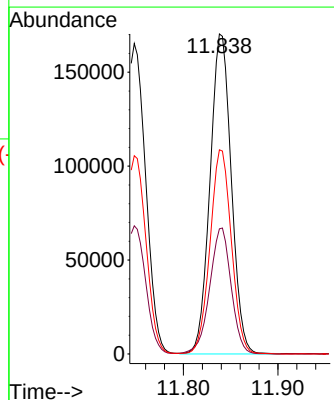
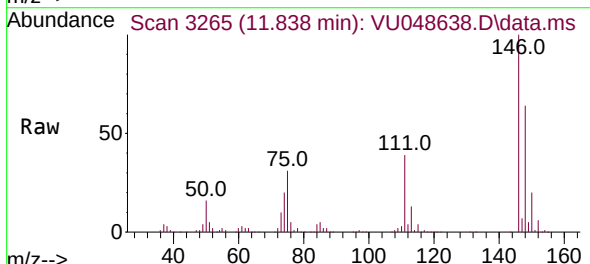
Instrument :
MSVOA_U
ClientSampleId :
EW4K6MEMS

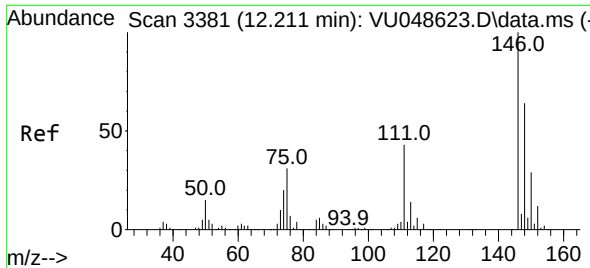
Tgt Ion:146 Resp: 261680
Ion Ratio Lower Upper
146 100
111 41.3 28.7 53.3
148 63.9 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 48.648 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Tgt Ion:146 Resp: 266266
Ion Ratio Lower Upper
146 100
111 39.1 27.6 51.2
148 63.8 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 48.521 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

Instrument :

MSVOA_U

ClientSampleId :

EW4K6MEMS

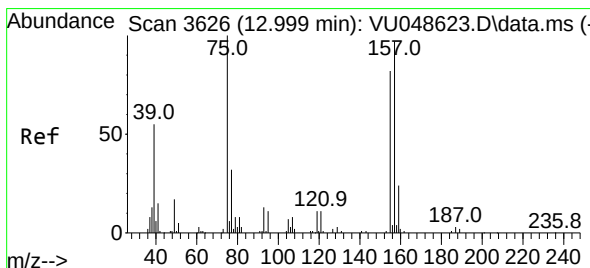
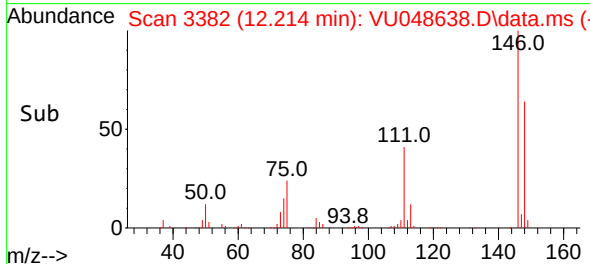
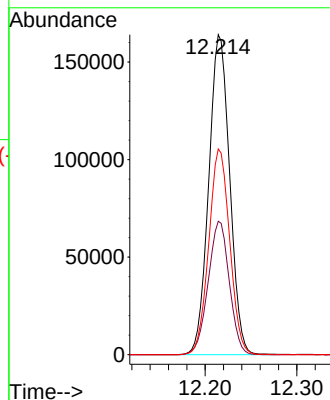
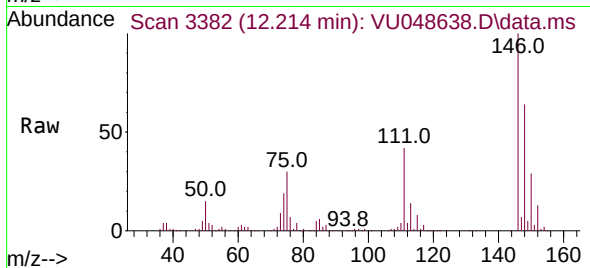
Tgt Ion:146 Resp: 260305

Ion Ratio Lower Upper

146 100

111 41.7 34.1 51.1

148 64.3 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 42.703 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU048638.D

Acq: 19 May 2022 18:27

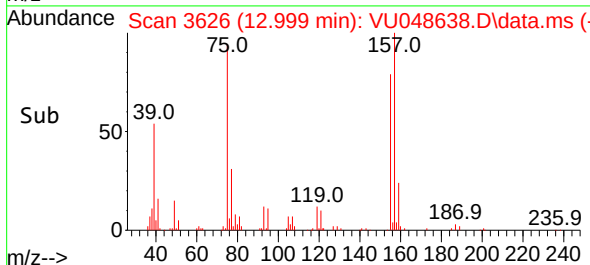
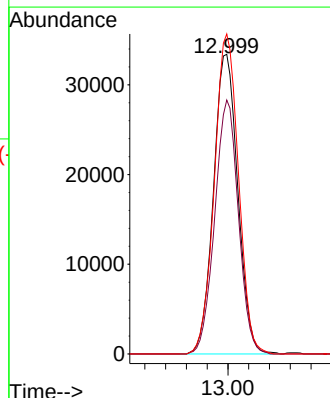
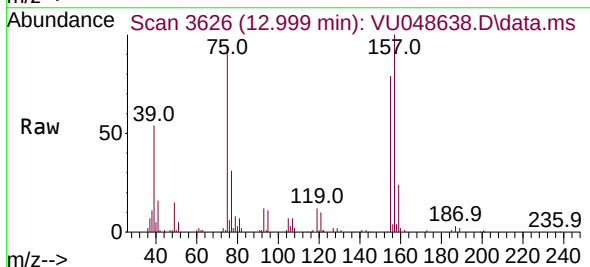
Tgt Ion: 75 Resp: 54380

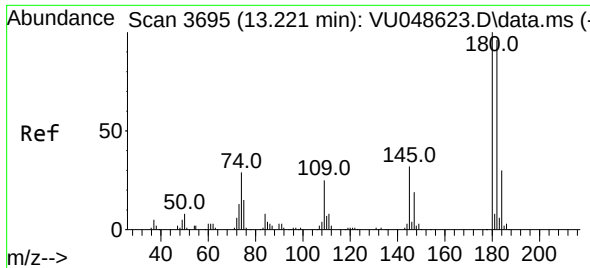
Ion Ratio Lower Upper

75 100

155 84.7 63.5 95.3

157 106.8 83.5 125.3

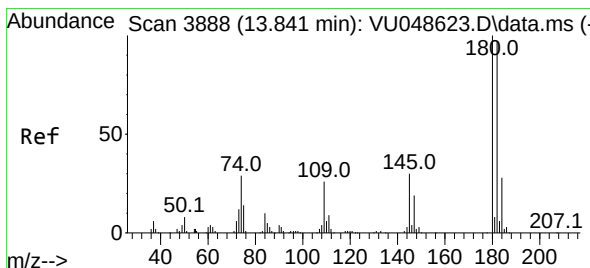
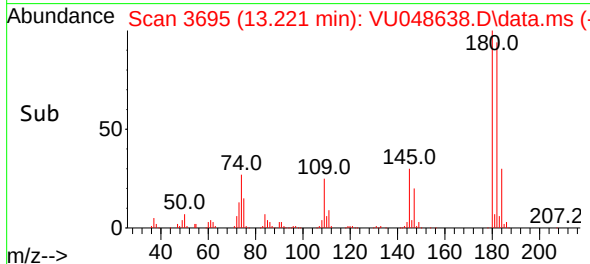
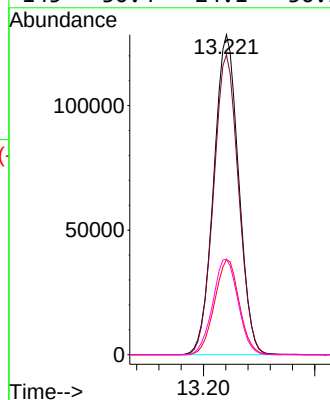
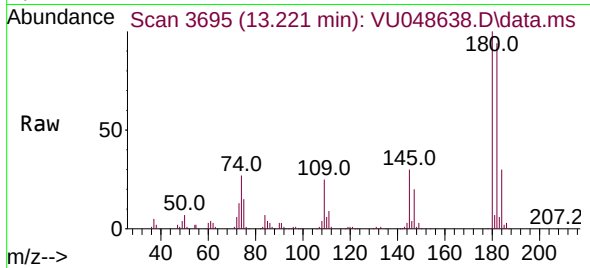




#69
 1,3,5-Trichlorobenzene
 Concen: 47.272 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU048638.D
 Acq: 19 May 2022 18:27

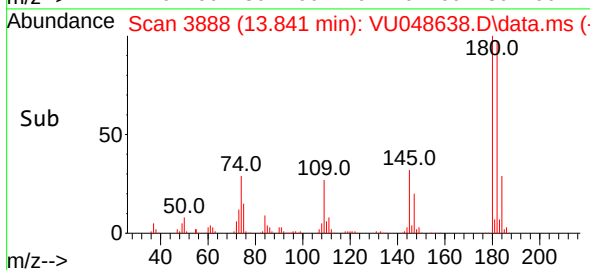
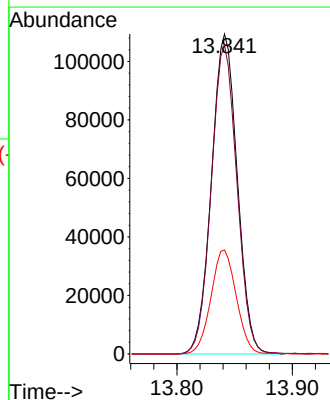
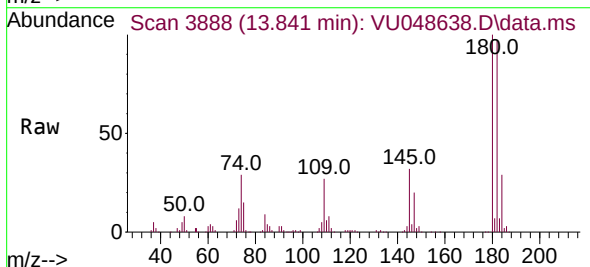
Instrument :
 MSVOA_U
 ClientSampleId :
 EW4K6MEMS

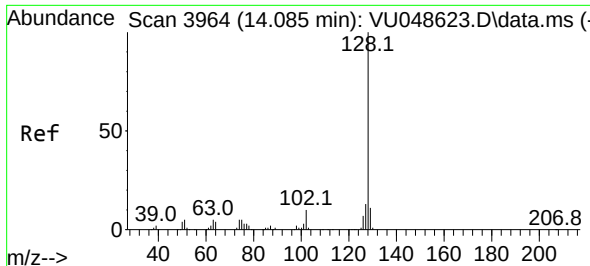
Tgt Ion:180 Resp: 198731
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.8 113.6
 184 29.6 23.4 35.2
 145 30.4 24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 44.576 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048638.D
 Acq: 19 May 2022 18:27

Tgt Ion:180 Resp: 169489
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.8 113.8
 145 32.0 24.9 37.3

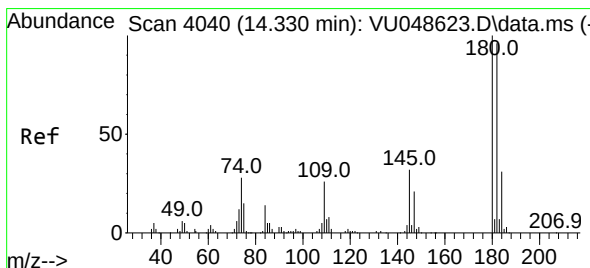
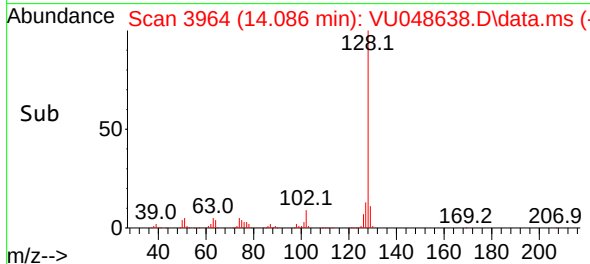
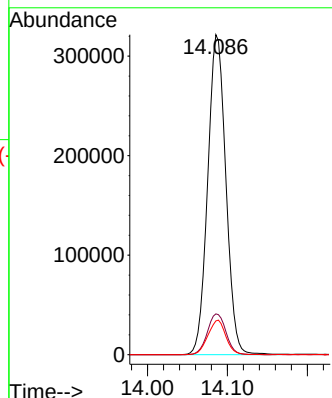
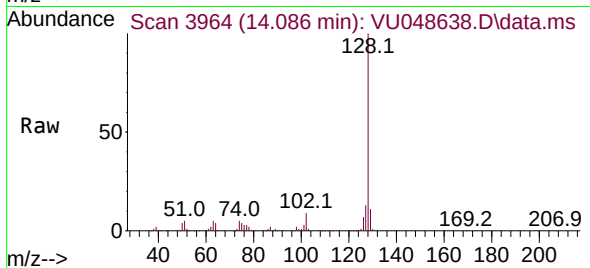




#71
Naphthalene
Concen: 40.570 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Instrument :
MSVOA_U
ClientSampleId :
EW4K6MEMS

Tgt Ion:128 Resp: 508639
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 44.105 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048638.D
Acq: 19 May 2022 18:27

Tgt Ion:180 Resp: 168370
Ion Ratio Lower Upper
180 100
182 95.7 75.6 113.4
145 33.2 27.1 40.7

