

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U082922\
 Data File : VU050497.D
 Acq On : 29 Aug 2022 20:19
 Operator : SY/MD
 Sample : N4322-02MEMS
 Misc : 3.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EY163MEMS

Quant Time: Aug 30 02:18:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 30 02:11:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	416002	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	403624	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	179753	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.591	65	81215	16.511	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	33.020%#
7) Chloroethane-d5	1.887	69	30702	8.435	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	16.880%#
11) 1,1-Dichloroethene-d2	2.523	63	256483	36.896	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.800%
21) 2-Butanone-d5	4.649	46	283606	88.086	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.090%
24) Chloroform-d	5.060	84	294678	37.319	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.640%
26) 1,2-Dichloroethane-d4	5.700	65	185720	37.844	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.680%
32) Benzene-d6	5.719	84	600796	40.285	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.560%
36) 1,2-Dichloropropane-d6	6.690	67	198626	40.203	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.400%
41) Toluene-d8	7.896	98	527524	40.424	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.840%
43) trans-1,3-Dichloroprop...	8.182	79	71094	34.496	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.000%
47) 2-Hexanone-d5	8.661	63	186533	101.737	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.740%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	302111	39.645	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.300%
66) 1,2-Dichlorobenzene-d4	12.198	152	176460	41.095	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.379	85	89103	27.401	ug/L	100
3) Chloromethane	1.510	50	166185	43.912	ug/L	99
5) Vinyl chloride	1.597	62	88282	23.856	ug/L	99
6) Bromomethane	1.838	94	46976	34.330	ug/L	100
8) Chloroethane	1.906	64	23027	10.242	ug/L	100
9) Trichlorofluoromethane	2.080	101	103435	21.969	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.533	101	129696	44.930	ug/L	98
12) 1,1-Dichloroethene	2.536	96	118369	46.385	ug/L	91
13) Acetone	2.655	43	184745	87.271	ug/L	99
14) Carbon disulfide	2.748	76	194881	29.927	ug/L	99
15) Methyl Acetate	2.957	43	193845	50.896	ug/L	99
16) Methylene chloride	3.025	84	162120	45.584	ug/L	97
17) trans-1,2-Dichloroethene	3.327	96	122813	45.781	ug/L	98
18) Methyl tert-butyl Ether	3.375	73	473570	55.776	ug/L	99
19) 1,1-Dichloroethane	3.851	63	277088	47.676	ug/L	98
20) cis-1,2-Dichloroethene	4.658	96	154877	48.211	ug/L	98
22) 2-Butanone	4.729	43	292212	101.852	ug/L	96
23) Bromochloromethane	4.967	128	80851	46.081	ug/L	96
25) Chloroform	5.086	83	293101	47.338	ug/L	100

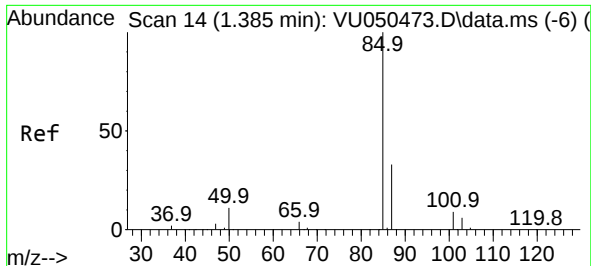
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082922\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	225683	48.863	ug/L	98
29) Cyclohexane	5.372	56	193238	52.045	ug/L	99
30) 1,1,1-Trichloroethane	5.308	97	208452	45.141	ug/L	99
31) Carbon tetrachloride	5.513	117	155559	41.049	ug/L	98
33) Benzene	5.768	78	632764	51.779	ug/L	100
34) Trichloroethene	6.539	95	142926	49.410	ug/L	100
35) Methylcyclohexane	6.755	83	194682	48.131	ug/L	98
37) 1,2-Dichloropropane	6.790	63	178768	50.362	ug/L	100
38) Bromodichloromethane	7.108	83	190762	42.122	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	216511	46.447	ug/L	98
40) 4-Methyl-2-pentanone	7.806	43	537952	114.042	ug/L	99
42) Toluene	7.970	91	657228	53.380	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	202119	46.518	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	178847	51.203	ug/L	97
46) Tetrachloroethene	8.552	164	101075	47.575	ug/L	97
48) 2-Hexanone	8.713	43	452068	114.757	ug/L	98
49) Dibromochloromethane	8.816	129	147045	40.641	ug/L	99
50) 1,2-Dibromoethane	8.925	107	170803	48.932	ug/L	99
51) Chlorobenzene	9.449	112	407508	50.435	ug/L	98
52) Ethylbenzene	9.574	91	656432	52.899	ug/L	100
53) m,p-Xylene	9.697	106	249081	53.749	ug/L	100
54) o-Xylene	10.105	106	255241	55.439	ug/L	99
55) Styrene	10.121	104	436040	55.659	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.790	83	319608	50.077	ug/L	100
59) Bromoform	10.301	173	102680	39.890	ug/L	98
60) 1,2,3-Trichloropropane	10.832	75	246089	53.127	ug/L	100
61) Isopropylbenzene	10.488	105	634604	57.078	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	521608	58.102	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	509755	58.218	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	278769	51.279	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	273216	49.904	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	301062	52.663	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	50667	41.156	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	198897	53.077	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	163921	54.621	ug/L	99
71) Naphthalene	14.089	128	572904	58.195	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	185094	56.432	ug/L	99

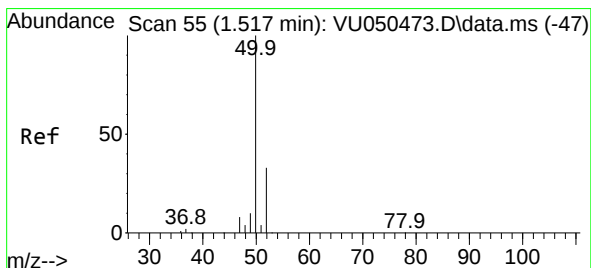
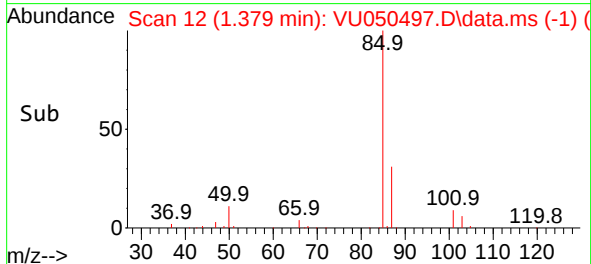
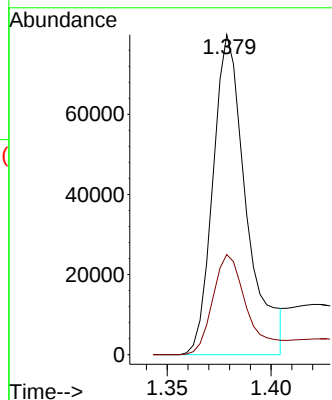
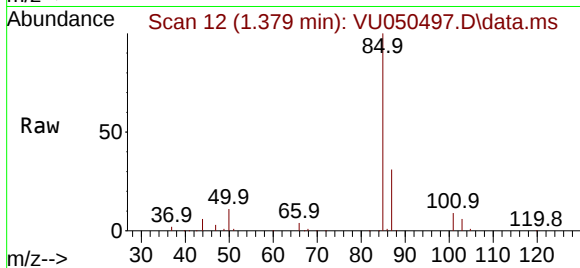
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 27.401 ug/L
 RT: 1.379 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VU050497.D
 Acq: 29 Aug 2022 20:19

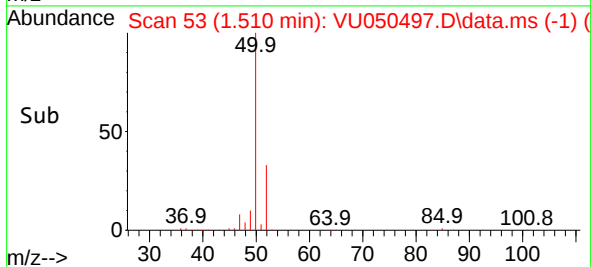
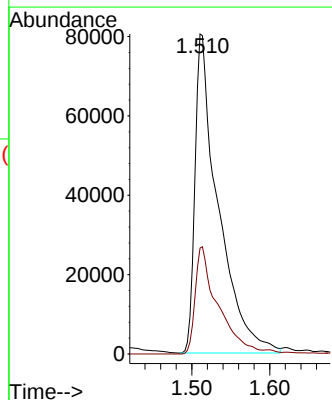
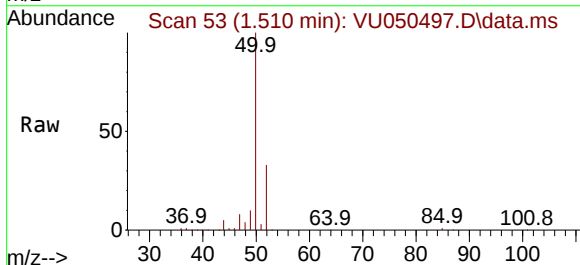
Instrument :
 MSVOA_U
 ClientSampleId :
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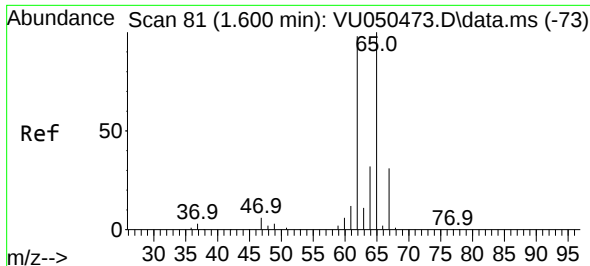
Tgt Ion: 85 Resp: 89103
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.2 39.4



#3
 Chloromethane
 Concen: 43.912 ug/L
 RT: 1.510 min Scan# 53
 Delta R.T. -0.006 min
 Lab File: VU050497.D
 Acq: 29 Aug 2022 20:19

Tgt Ion: 50 Resp: 166185
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.4 43.6

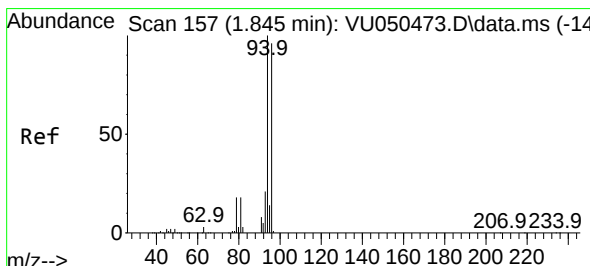
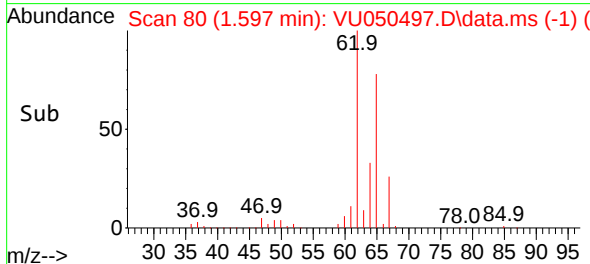
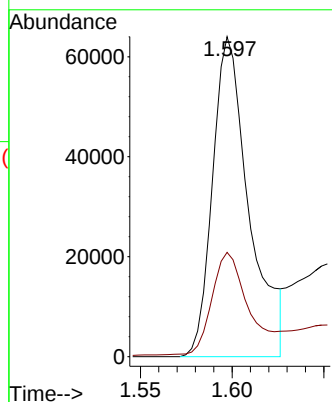
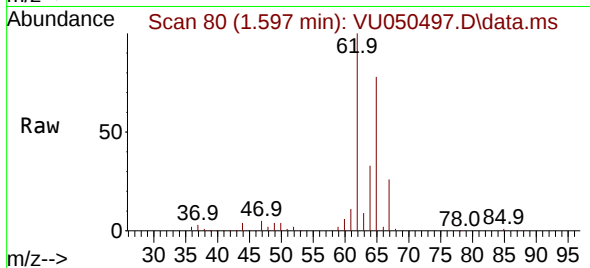




#5
 Vinyl chloride
 Concen: 23.856 ug/L
 RT: 1.597 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VU050497.D
 Acq: 29 Aug 2022 20:19

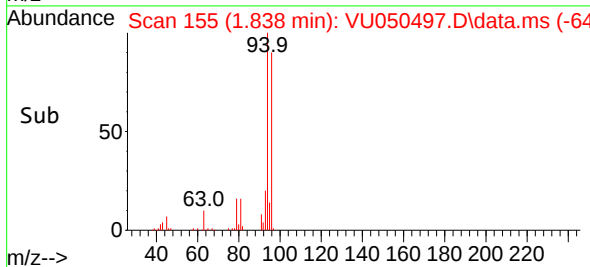
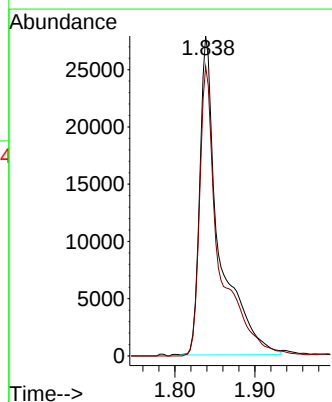
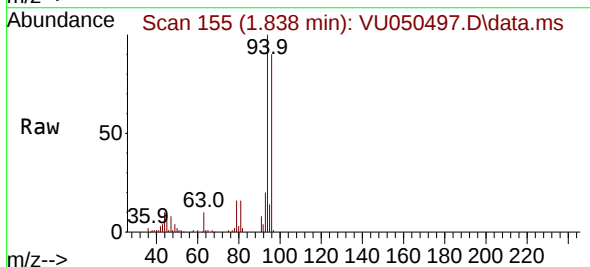
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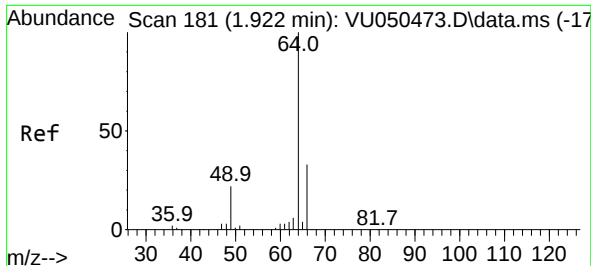
Tgt Ion: 62 Resp: 88282
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.1 42.9



#6
 Bromomethane
 Concen: 34.330 ug/L
 RT: 1.838 min Scan# 155
 Delta R.T. -0.006 min
 Lab File: VU050497.D
 Acq: 29 Aug 2022 20:19

Tgt Ion: 94 Resp: 46976
 Ion Ratio Lower Upper
 94 100
 96 90.5 63.3 117.5

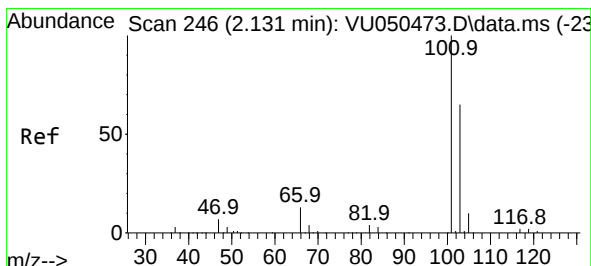
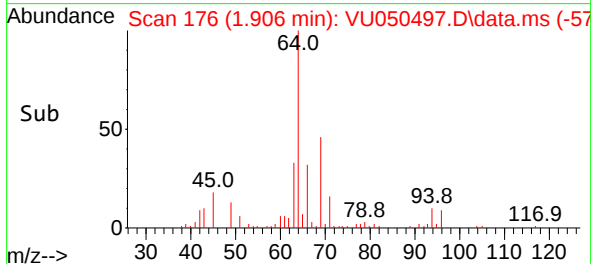
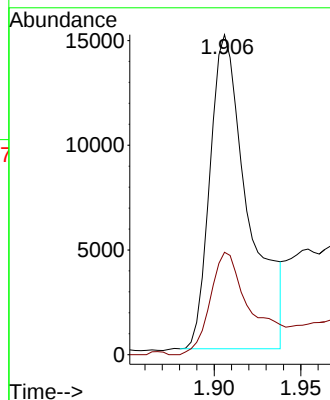
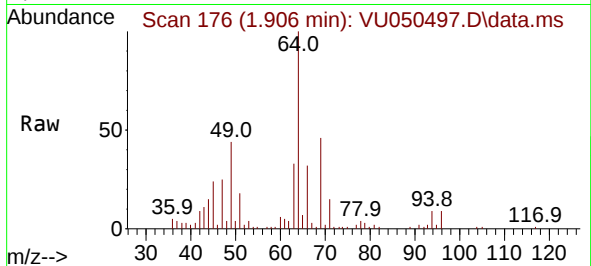




#8
Chloroethane
Concen: 10.242 ug/L
RT: 1.906 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

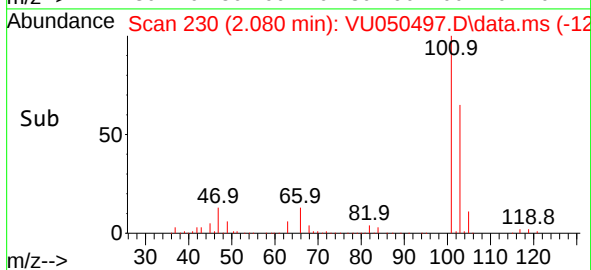
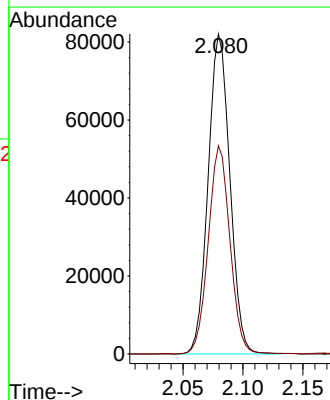
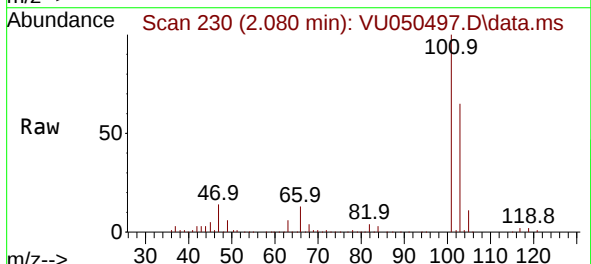
Instrument :
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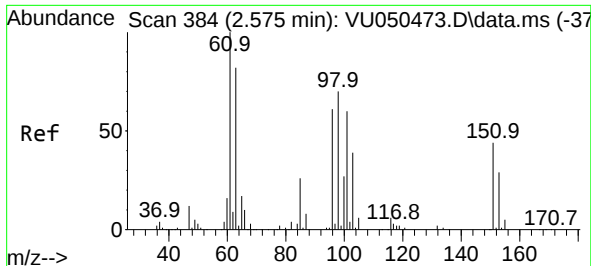
Tgt Ion: 64 Resp: 23027
Ion Ratio Lower Upper
64 100
66 32.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 21.969 ug/L
RT: 2.080 min Scan# 230
Delta R.T. -0.051 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion: 101 Resp: 103435
Ion Ratio Lower Upper
101 100
103 65.0 51.1 76.7

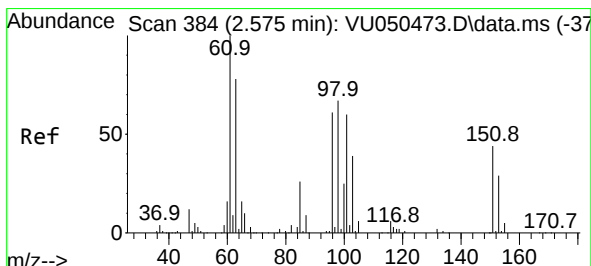
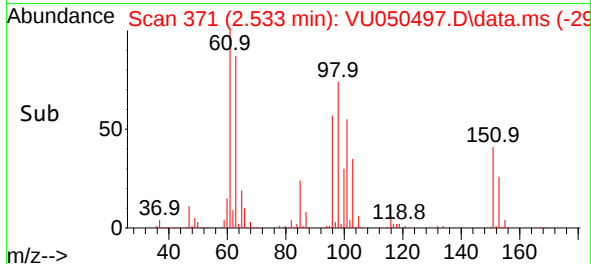
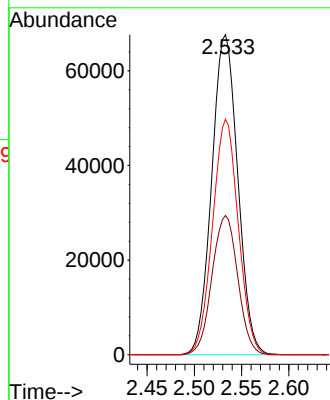
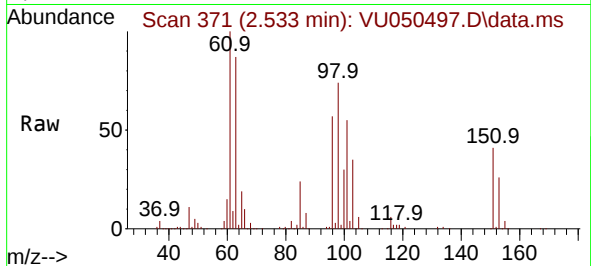




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.930 ug/L
 RT: 2.533 min Scan# 31
 Delta R.T. -0.042 min
 Lab File: VU050497.D
 Acq: 29 Aug 2022 20:19

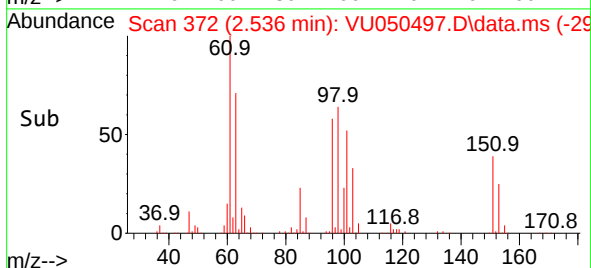
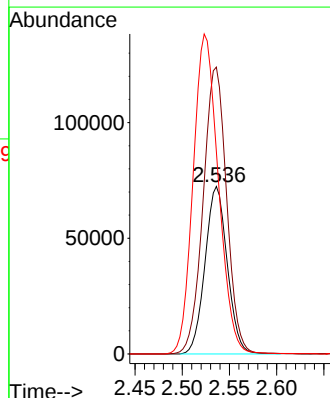
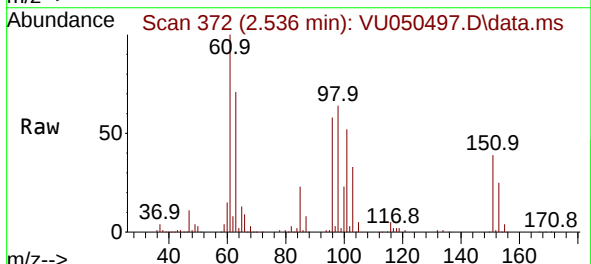
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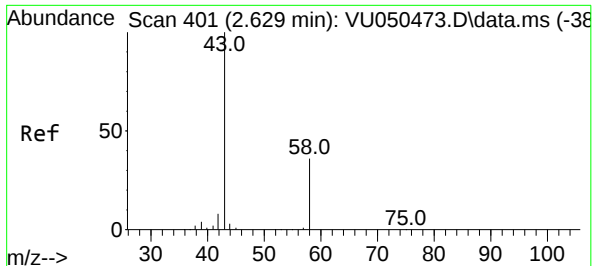
Tgt Ion:101 Resp: 129696
 Ion Ratio Lower Upper
 101 100
 85 43.0 35.3 52.9
 151 72.7 57.3 85.9



#12
 1,1-Dichloroethene
 Concen: 46.385 ug/L
 RT: 2.536 min Scan# 372
 Delta R.T. -0.038 min
 Lab File: VU050497.D
 Acq: 29 Aug 2022 20:19

Tgt Ion: 96 Resp: 118369
 Ion Ratio Lower Upper
 96 100
 61 171.3 116.8 216.8
 63 121.0 97.4 180.8





#13

Acetone

Concen: 87.271 ug/L

RT: 2.655 min Scan# 401

Delta R.T. 0.026 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

Instrument :

MSVOA_U

ClientSampleId :

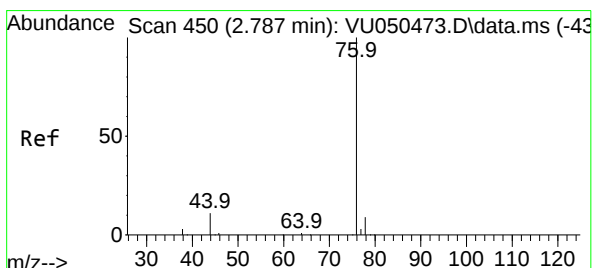
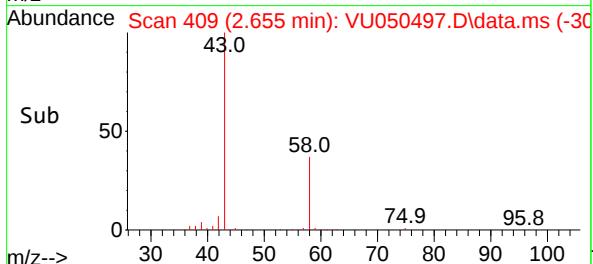
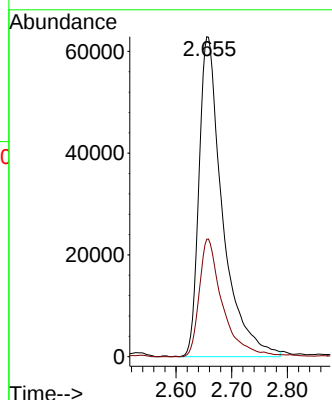
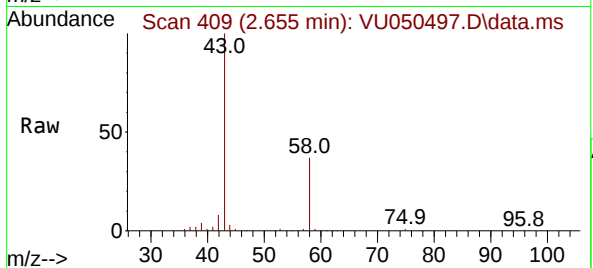
EY163MEMS

Tgt Ion: 43 Resp: 184745

Ion Ratio Lower Upper

43 100

58 35.5 0.0 72.2



#14

Carbon disulfide

Concen: 29.927 ug/L

RT: 2.748 min Scan# 438

Delta R.T. -0.038 min

Lab File: VU050497.D

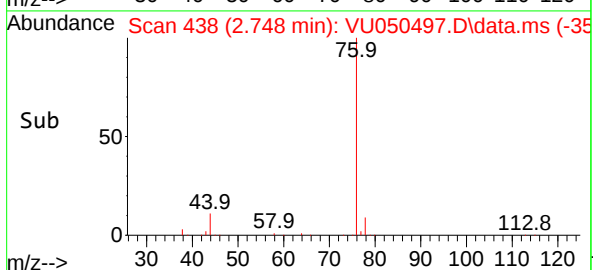
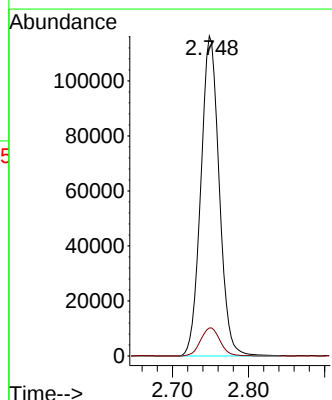
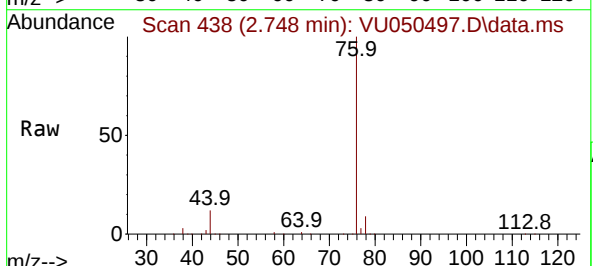
Acq: 29 Aug 2022 20:19

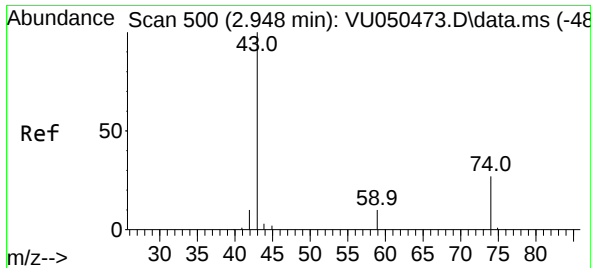
Tgt Ion: 76 Resp: 194881

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

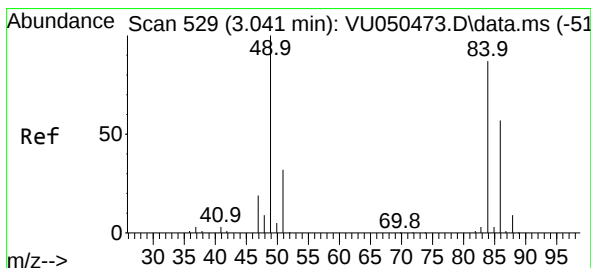
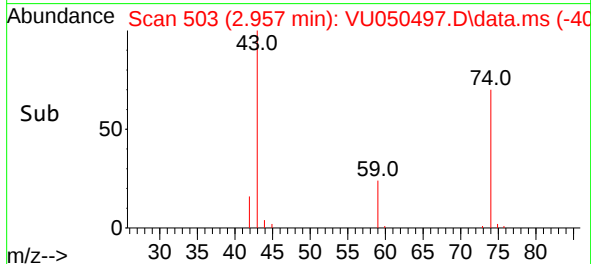
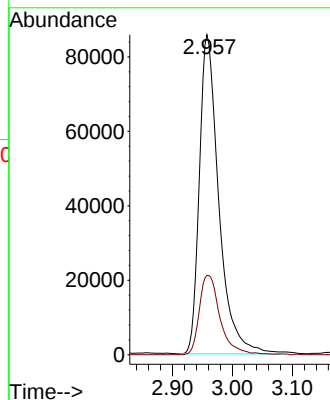
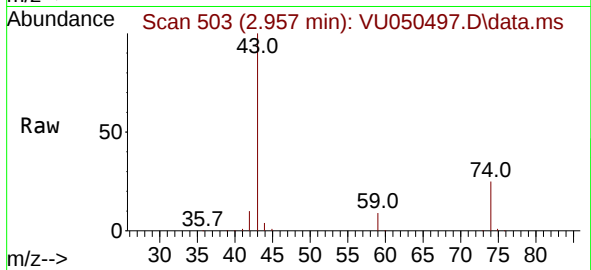




#15
Methyl Acetate
Concen: 50.896 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.010 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

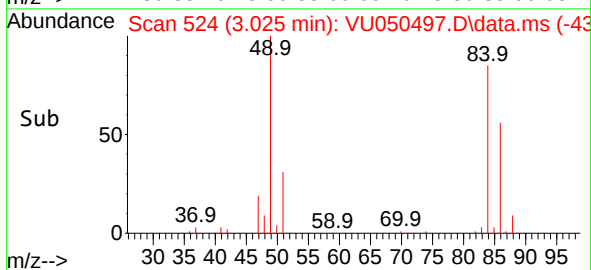
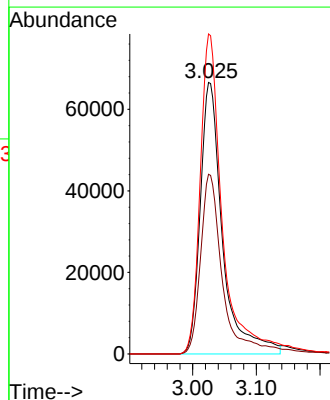
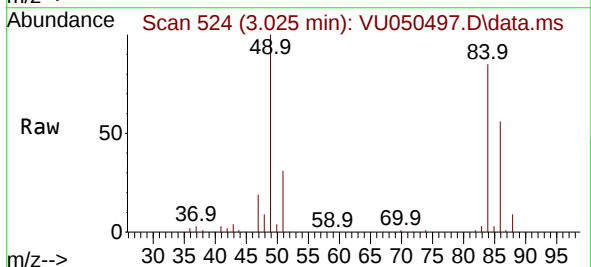
Instrument :
MSVOA_U
ClientSampleId :
EY163MEMS

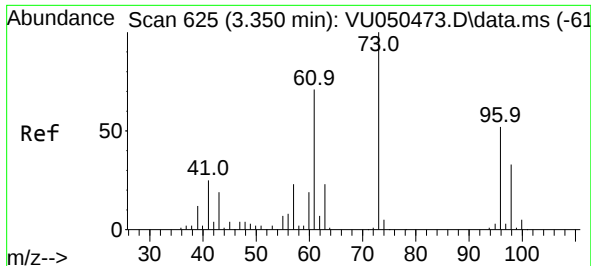
Tgt Ion: 43 Resp: 193845
Ion Ratio Lower Upper
43 100
74 26.1 21.2 31.8



#16
Methylene chloride
Concen: 45.584 ug/L
RT: 3.025 min Scan# 524
Delta R.T. -0.016 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion: 84 Resp: 162120
Ion Ratio Lower Upper
84 100
86 66.2 43.9 81.5
49 117.9 80.4 149.4





#17

trans-1,2-Dichloroethene

Concen: 45.781 ug/L

RT: 3.327 min Scan# 61

Delta R.T. -0.022 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

Instrument :

MSVOA_U

ClientSampleId :

EY163MEMS

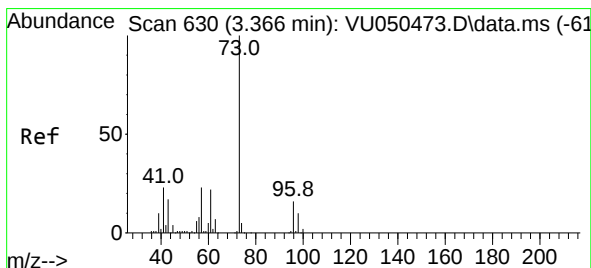
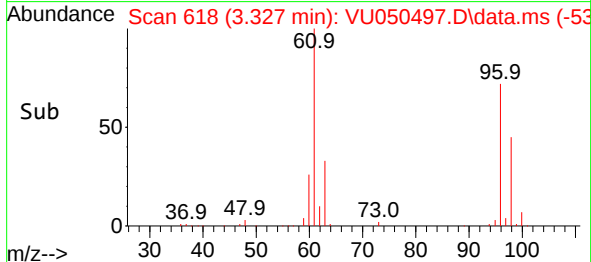
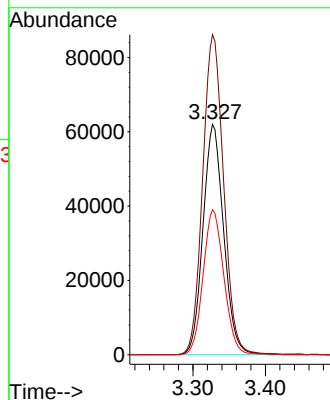
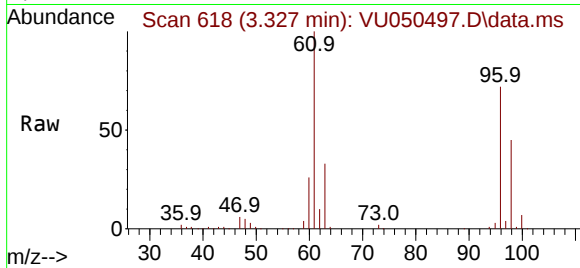
Tgt Ion: 96 Resp: 122813

Ion Ratio Lower Upper

96 100

61 138.9 98.5 182.9

98 62.9 45.7 84.9



#18

Methyl tert-butyl Ether

Concen: 55.776 ug/L

RT: 3.375 min Scan# 633

Delta R.T. 0.010 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

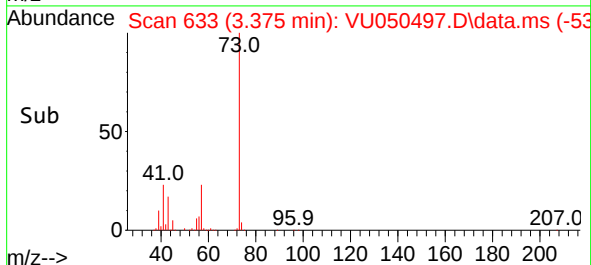
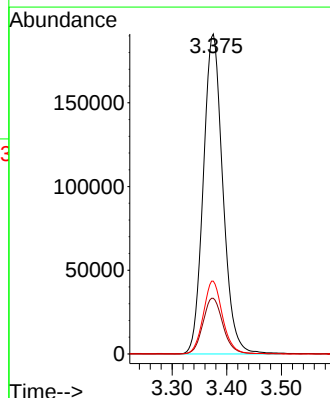
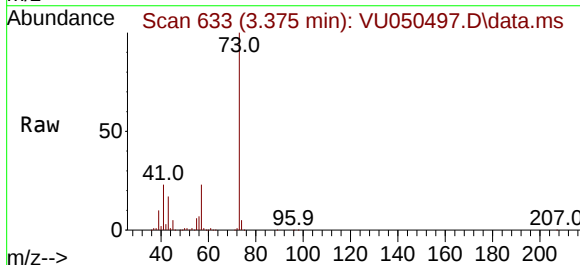
Tgt Ion: 73 Resp: 473570

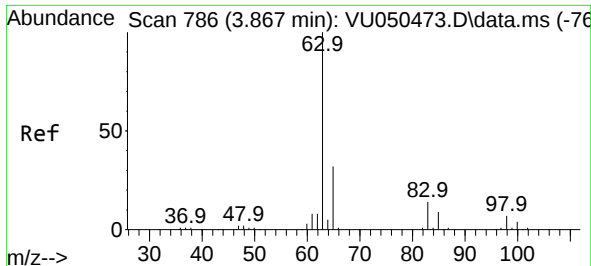
Ion Ratio Lower Upper

73 100

43 17.6 14.4 21.6

57 22.4 17.8 26.8





#19

1,1-Dichloroethane

Concen: 47.676 ug/L

RT: 3.851 min Scan# 781

Delta R.T. -0.016 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

Instrument :

MSVOA_U

ClientSampleId :

EY163MEMS

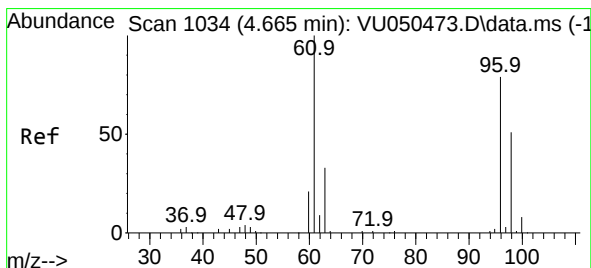
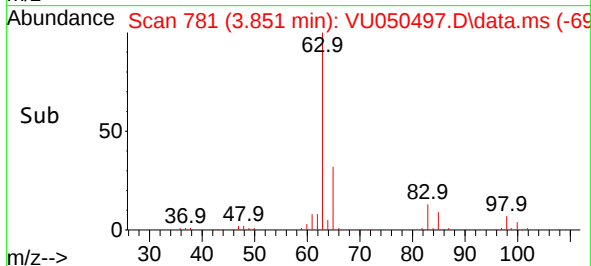
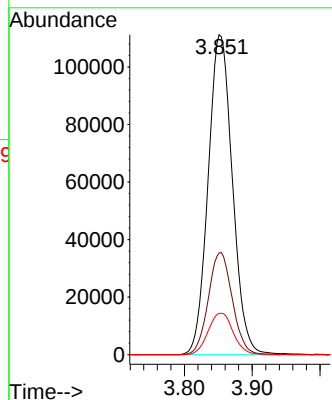
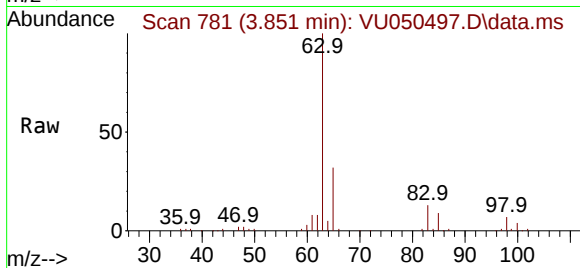
Tgt Ion: 63 Resp: 277088

Ion Ratio Lower Upper

63 100

65 31.8 23.3 43.3

83 12.9 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 48.211 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

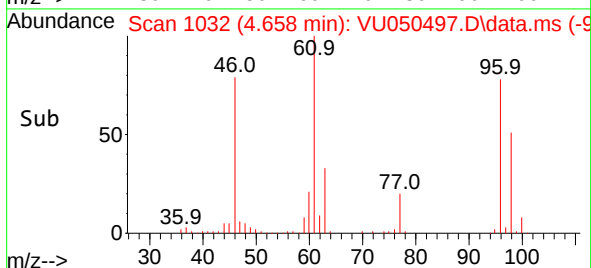
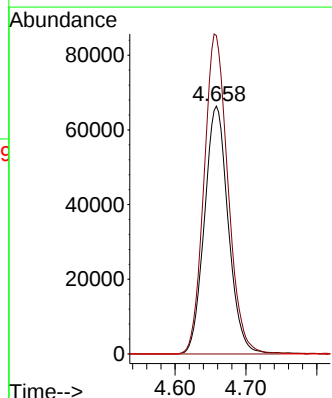
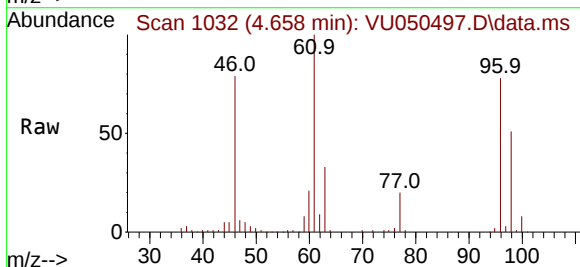
Tgt Ion: 96 Resp: 154877

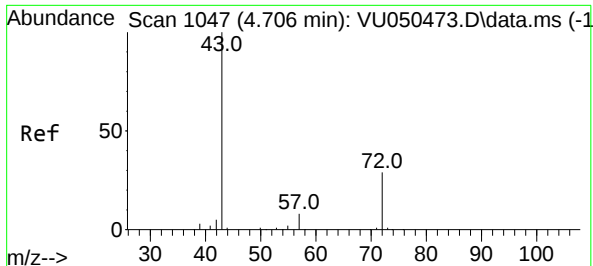
Ion Ratio Lower Upper

96 100

61 128.4 88.1 163.5

68 0.0 0.0 0.0

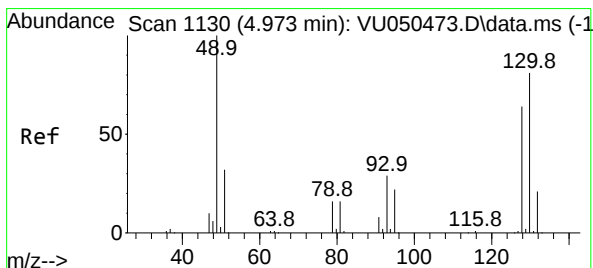
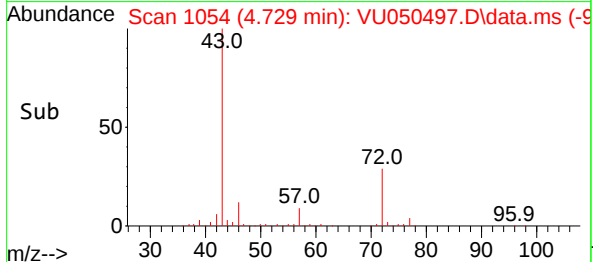
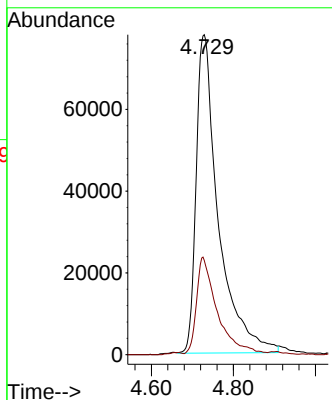
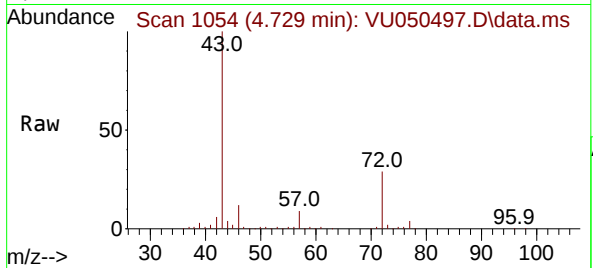




#22
2-Butanone
Concen: 101.852 ug/L
RT: 4.729 min Scan# 1054
Delta R.T. 0.023 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

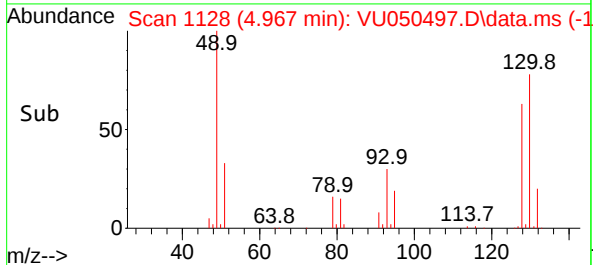
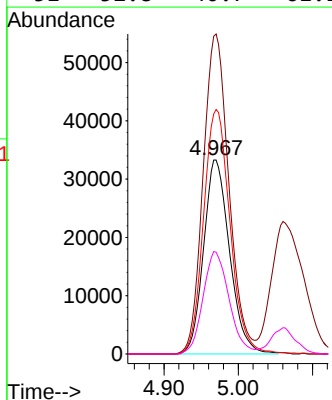
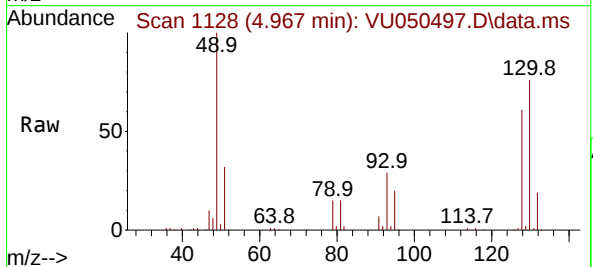
Instrument :
MSVOA_U
ClientSampleId :
EY163MEMS

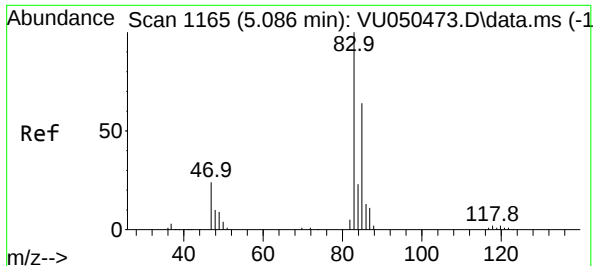
Tgt Ion: 43 Resp: 292212
Ion Ratio Lower Upper
43 100
72 27.8 15.0 45.0



#23
Bromochloromethane
Concen: 46.081 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion: 128 Resp: 80851
Ion Ratio Lower Upper
128 100
49 163.8 111.2 206.4
130 123.7 91.1 169.1
51 52.8 40.7 61.1

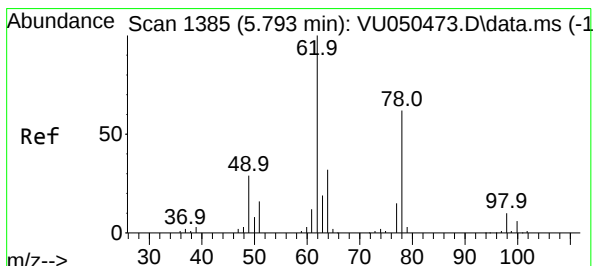
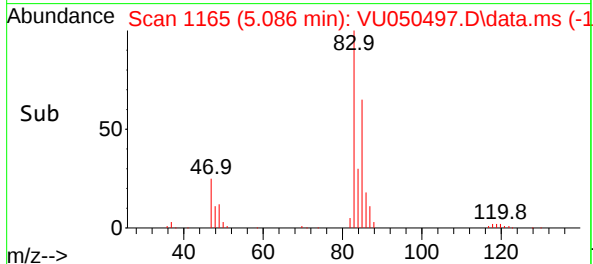
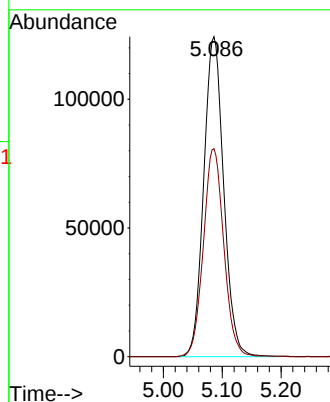
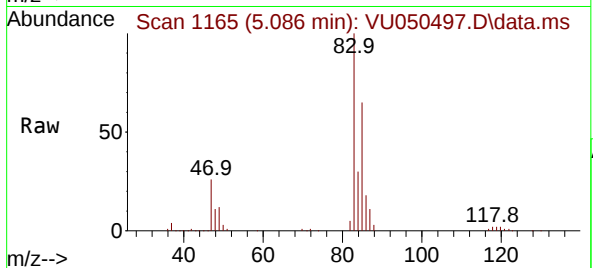




#25
Chloroform
Concen: 47.338 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

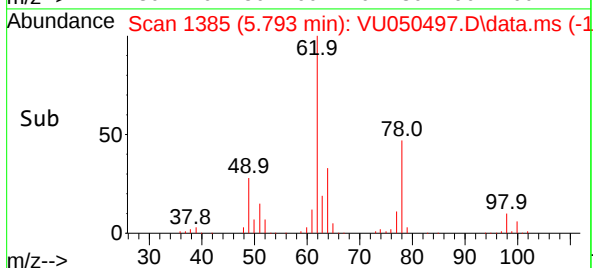
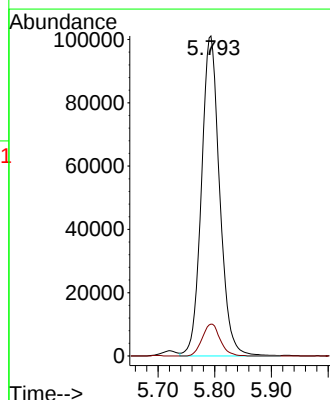
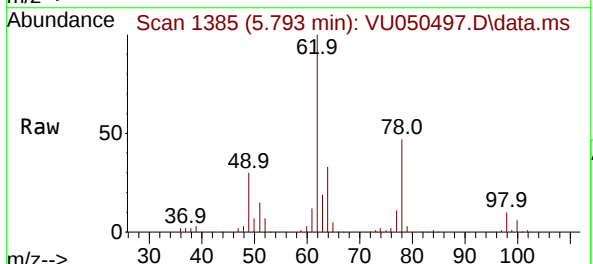
Instrument :
MSVOA_U
ClientSampleId :
EY163MEMS

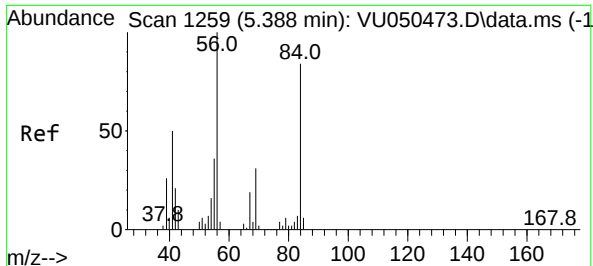
Tgt Ion: 83 Resp: 293101
Ion Ratio Lower Upper
83 100
85 65.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 48.863 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion: 62 Resp: 225683
Ion Ratio Lower Upper
62 100
98 9.9 7.3 10.9





#29

Cyclohexane

Concen: 52.045 ug/L

RT: 5.372 min Scan# 1

Delta R.T. -0.016 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

Instrument :

MSVOA_U

ClientSampleId :

EY163MEMS

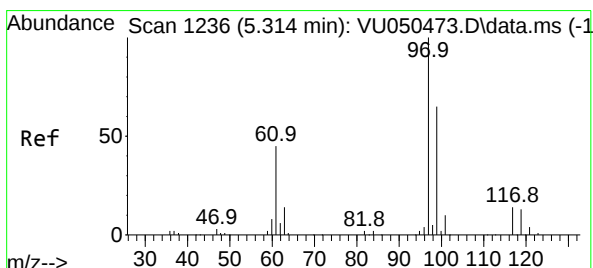
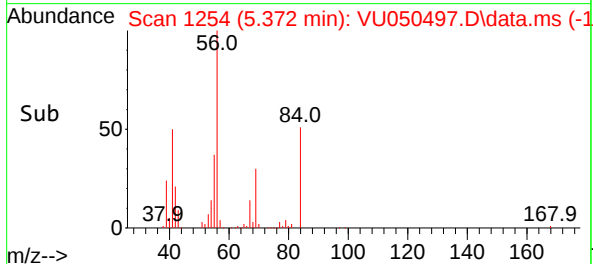
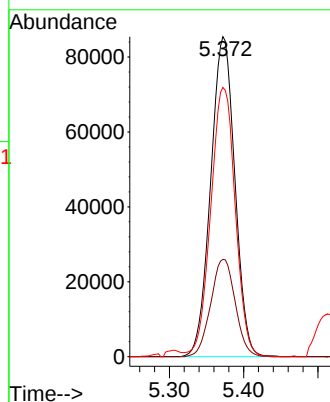
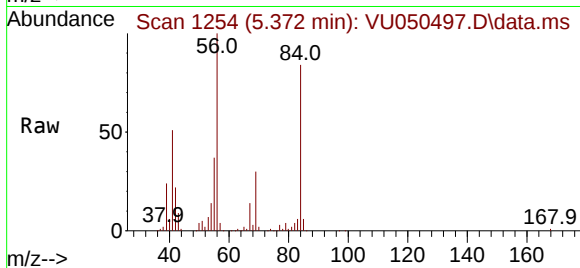
Tgt Ion: 56 Resp: 193238

Ion Ratio Lower Upper

56 100

69 30.9 24.6 36.8

84 85.4 68.8 103.2



#30

1,1,1-Trichloroethane

Concen: 45.141 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.006 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

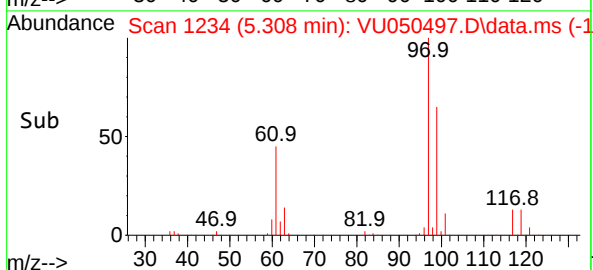
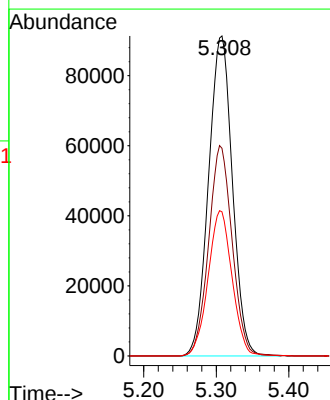
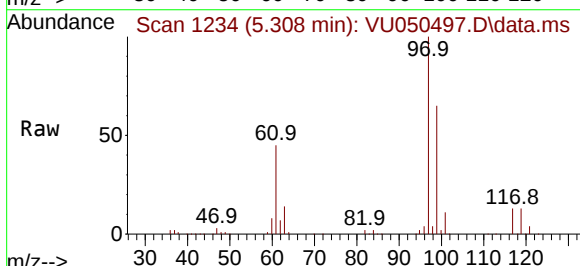
Tgt Ion: 97 Resp: 208452

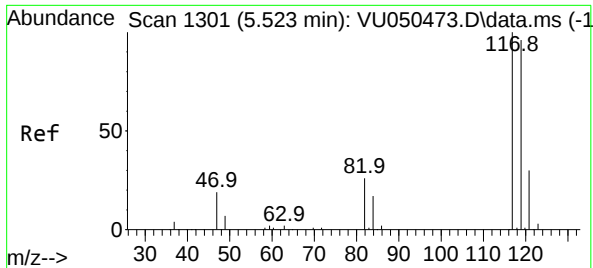
Ion Ratio Lower Upper

97 100

99 64.9 51.2 76.8

61 45.6 36.6 55.0

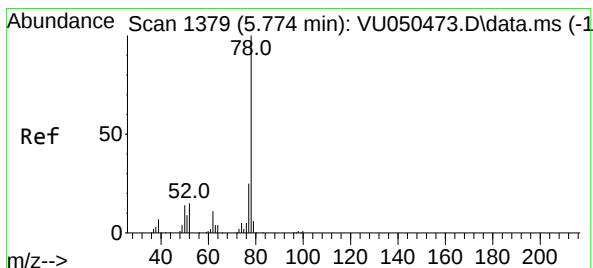
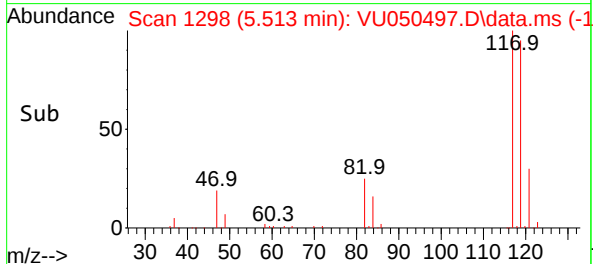
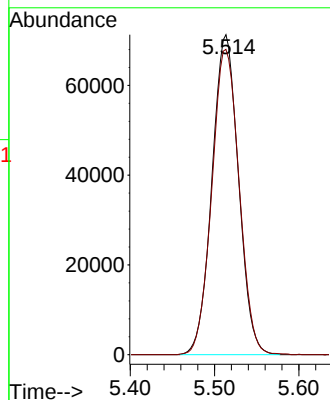
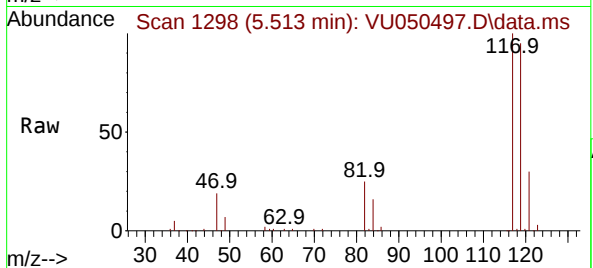




#31
Carbon tetrachloride
Concen: 41.049 ug/L
RT: 5.513 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

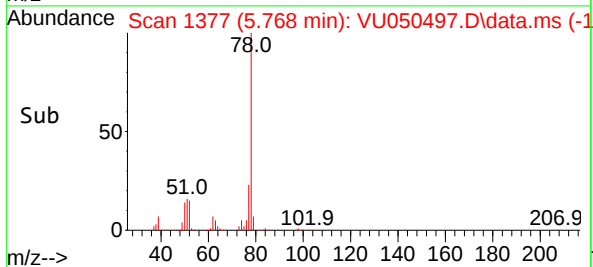
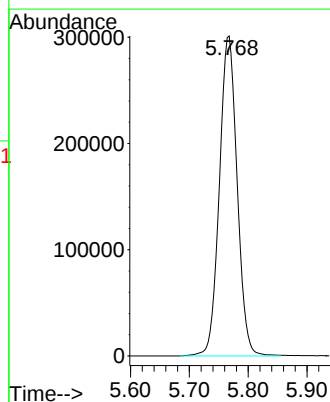
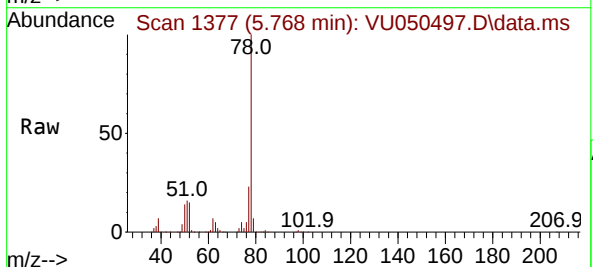
Instrument :
MSVOA_U
ClientSampleId :
EY163MEMS

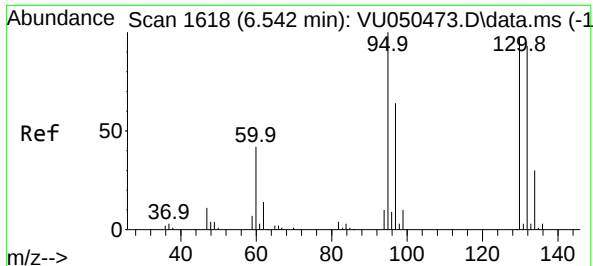
Tgt Ion:117 Resp: 155559
Ion Ratio Lower Upper
117 100
119 98.4 76.9 115.3



#33
Benzene
Concen: 51.779 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.006 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion: 78 Resp: 632764

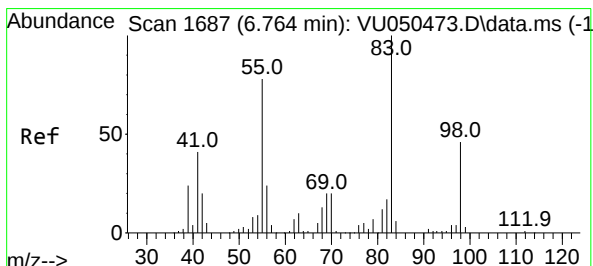
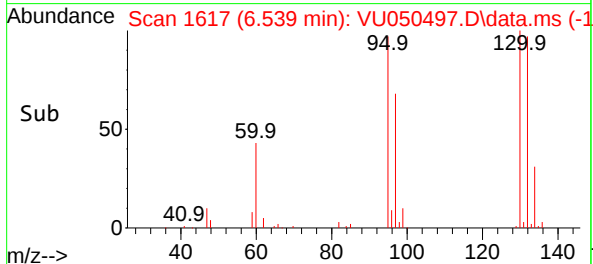
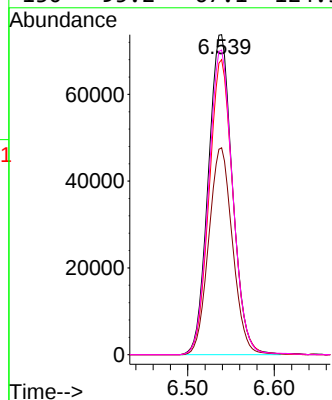
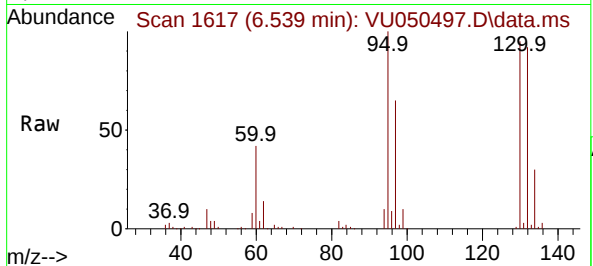




#34
Trichloroethene
Concen: 49.410 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

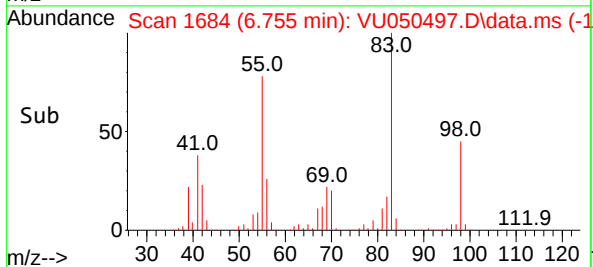
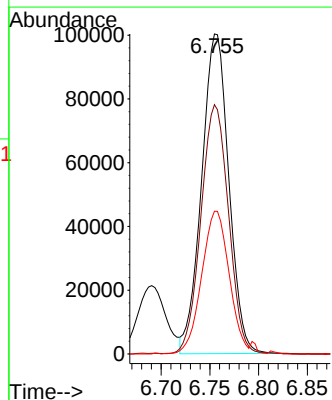
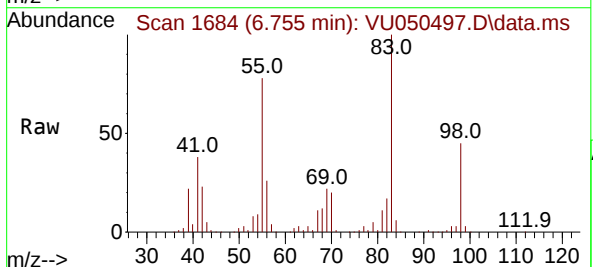
Instrument :
MSVOA_U
ClientSampleId :
EY163MEMS

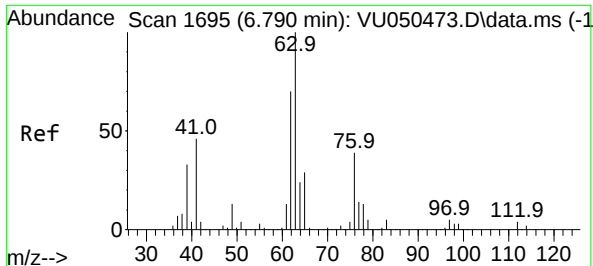
Tgt Ion: 95 Resp: 142926
Ion Ratio Lower Upper
95 100
97 64.6 45.2 84.0
132 92.2 64.4 119.6
130 95.2 67.1 124.5



#35
Methylcyclohexane
Concen: 48.131 ug/L
RT: 6.755 min Scan# 1684
Delta R.T. -0.010 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion: 83 Resp: 194682
Ion Ratio Lower Upper
83 100
55 79.3 61.9 92.9
98 45.1 35.8 53.8





#37

1,2-Dichloropropane

Concen: 50.362 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

Instrument :

MSVOA_U

ClientSampleId :

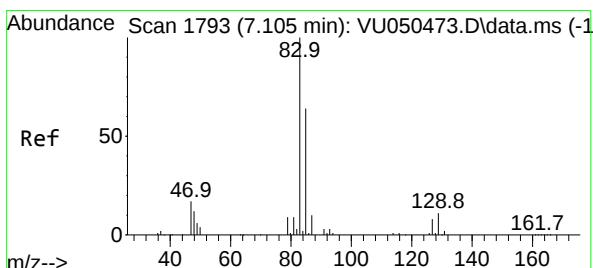
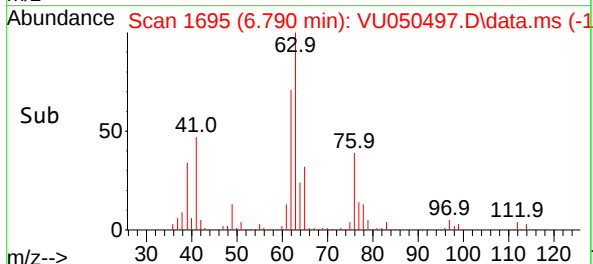
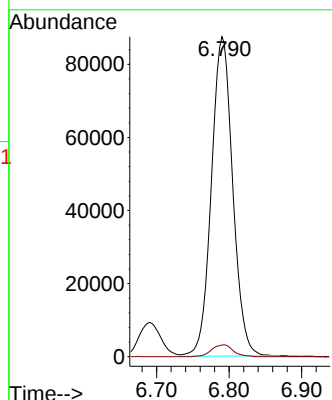
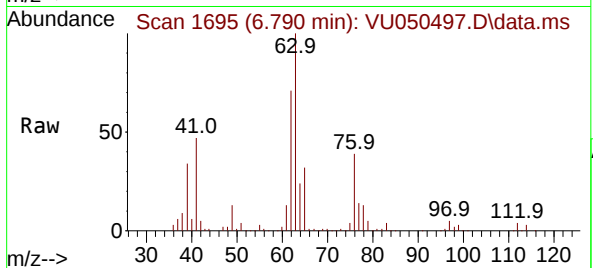
EY163MEMS

Tgt Ion: 63 Resp: 178768

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



#38

Bromodichloromethane

Concen: 42.122 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

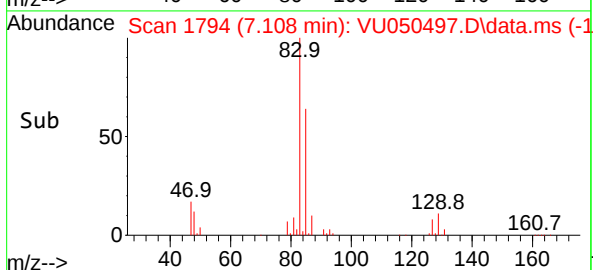
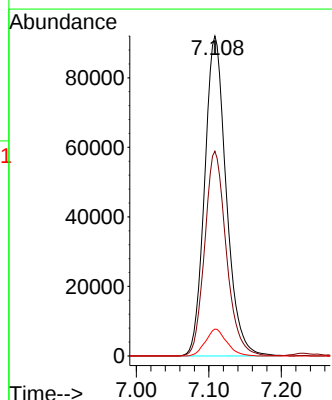
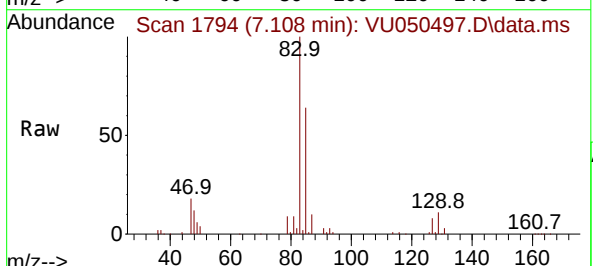
Tgt Ion: 83 Resp: 190762

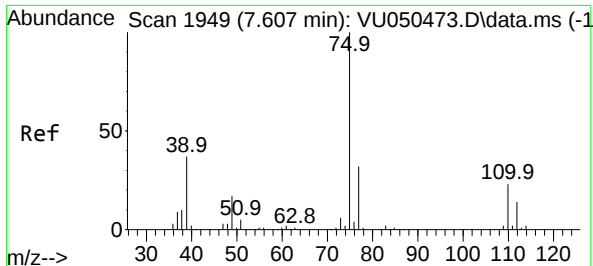
Ion Ratio Lower Upper

83 100

85 64.0 46.2 85.8

127 8.4 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 46.447 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

Instrument :

MSVOA_U

ClientSampleId :

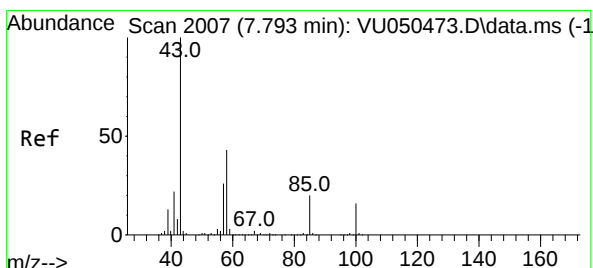
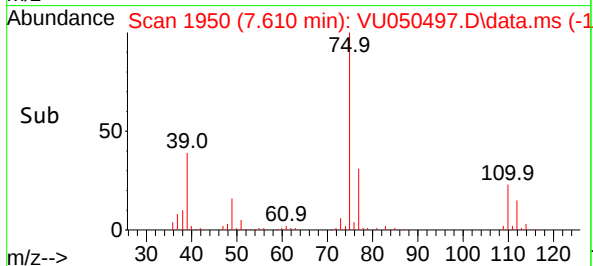
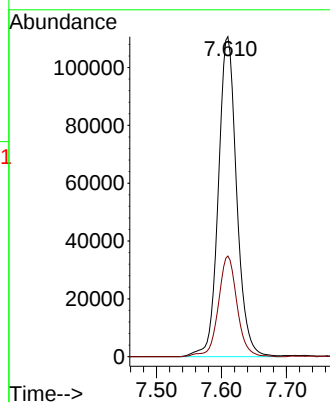
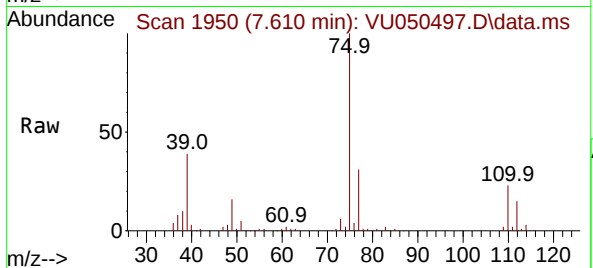
EY163MEMS

Tgt Ion: 75 Resp: 216511

Ion Ratio Lower Upper

75 100

77 31.4 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 114.042 ug/L

RT: 7.806 min Scan# 2011

Delta R.T. 0.013 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

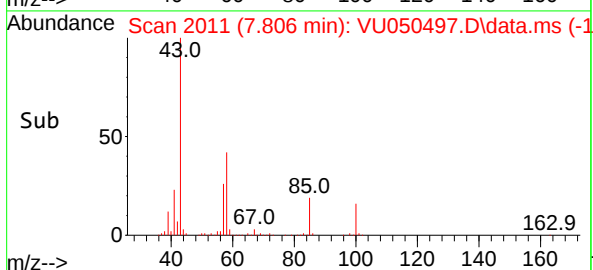
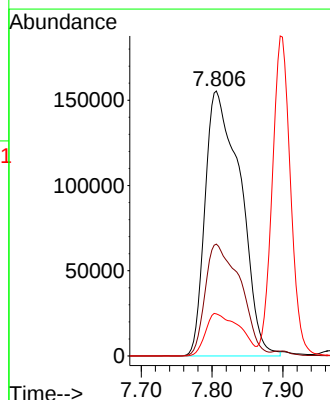
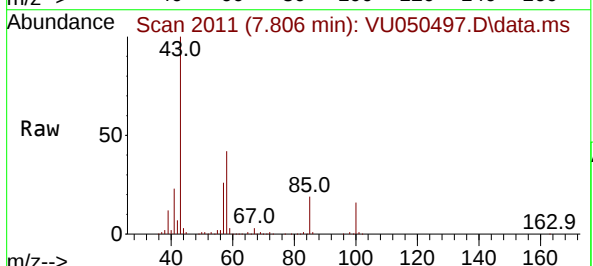
Tgt Ion: 43 Resp: 537952

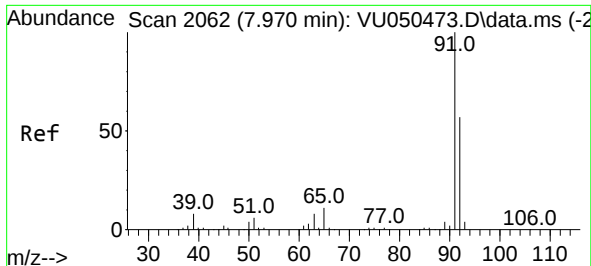
Ion Ratio Lower Upper

43 100

58 42.1 34.0 51.0

100 15.7 13.0 19.4





#42

Toluene

Concen: 53.380 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

Instrument :

MSVOA_U

ClientSampleId :

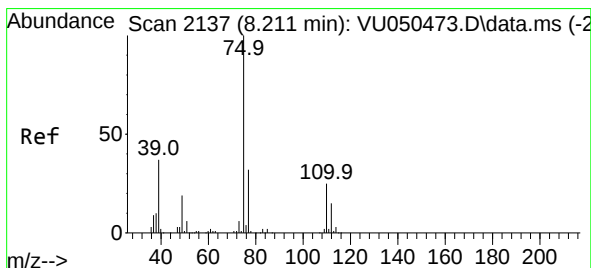
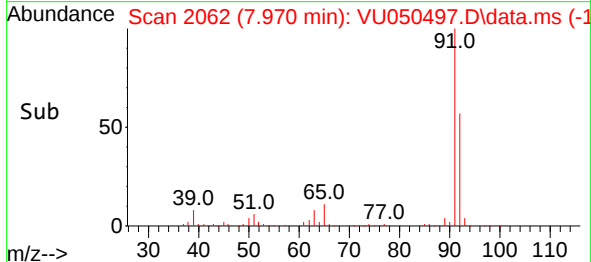
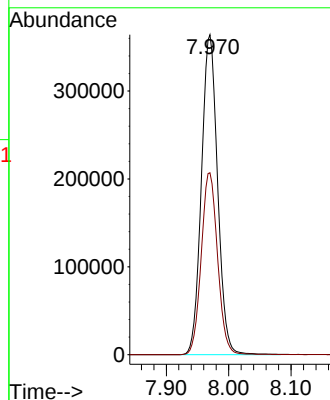
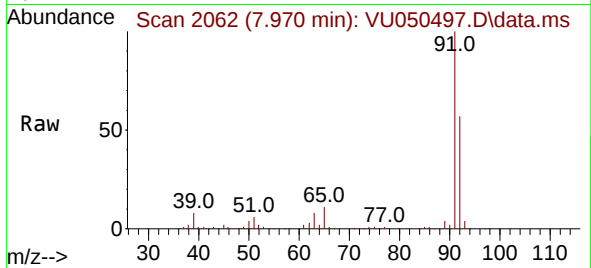
EY163MEMS

Tgt Ion: 91 Resp: 657228

Ion Ratio Lower Upper

91 100

92 56.9 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 46.518 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU050497.D

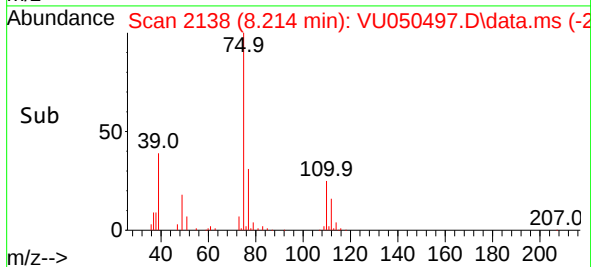
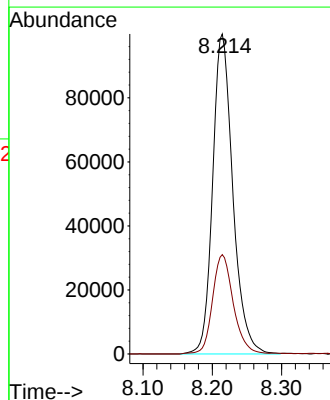
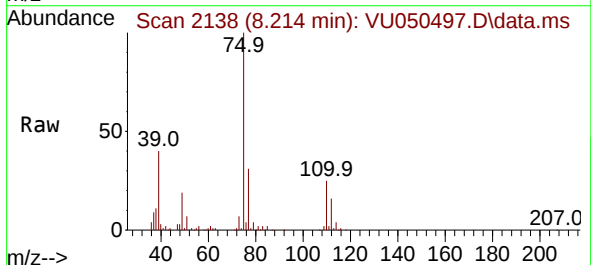
Acq: 29 Aug 2022 20:19

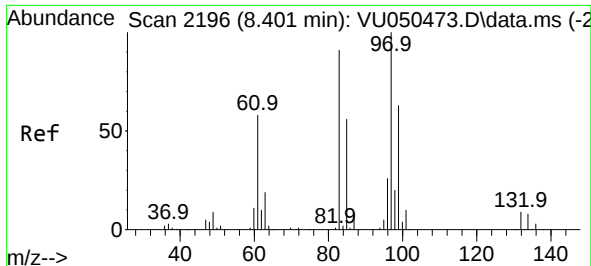
Tgt Ion: 75 Resp: 202119

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.7

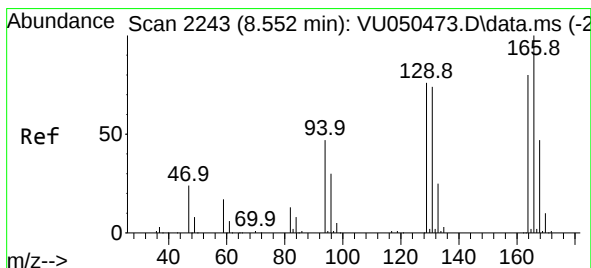
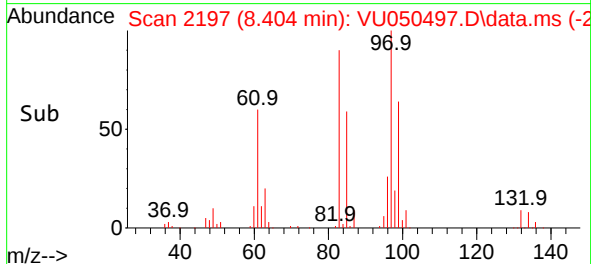
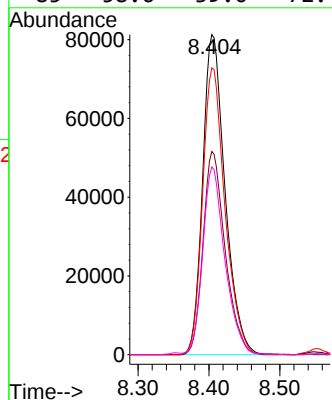
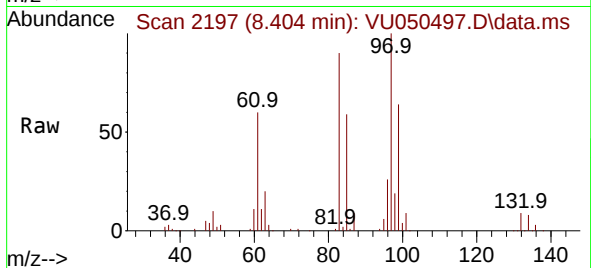




#45
1,1,2-Trichloroethane
Concen: 51.203 ug/L
RT: 8.404 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

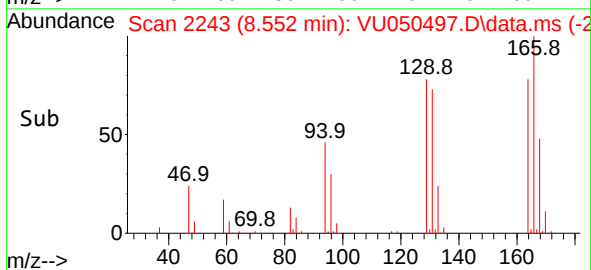
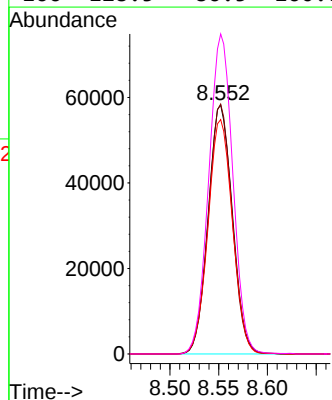
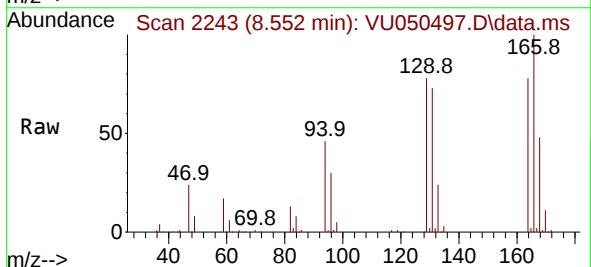
Instrument :
MSVOA_U
ClientSampleId :
EY163MEMS

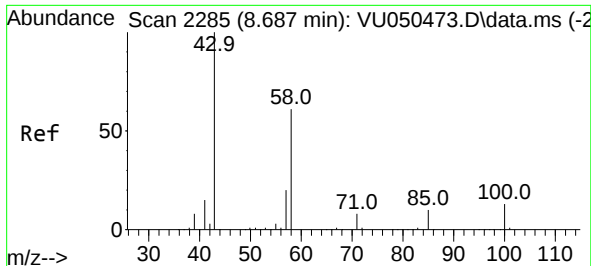
Tgt Ion:	97	Resp:	178847
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.3	80.3
83	89.7	60.3	112.1
85	58.6	39.0	72.4



#46
Tetrachloroethene
Concen: 47.575 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion:	164	Resp:	101075
Ion	Ratio	Lower	Upper
164	100		
129	100.3	68.0	126.4
131	94.1	65.4	121.4
166	128.5	86.5	160.7

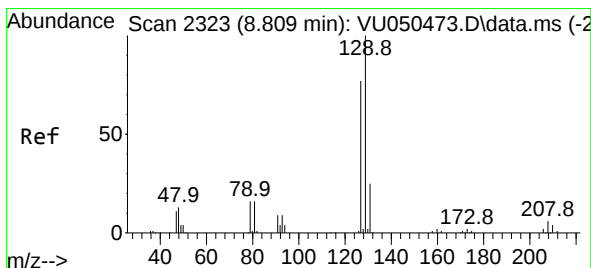
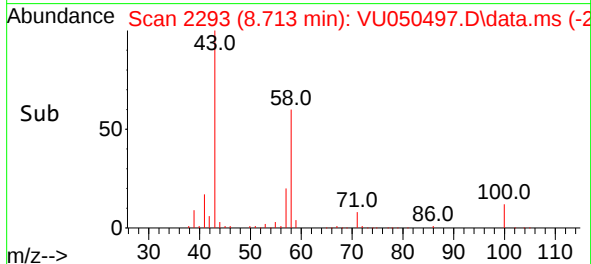
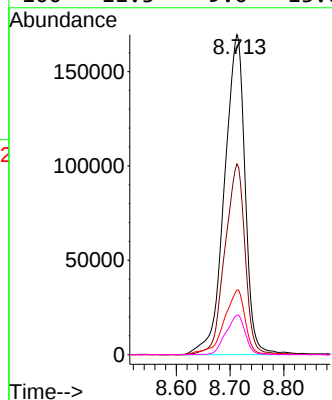
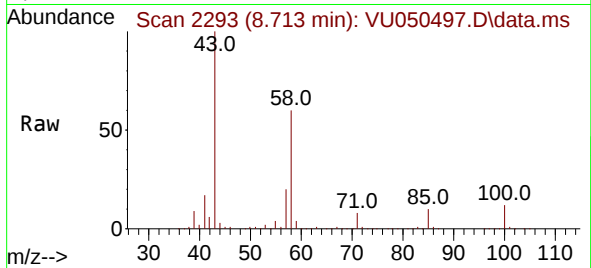




#48
2-Hexanone
Concen: 114.757 ug/L
RT: 8.713 min Scan# 211
Delta R.T. 0.026 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

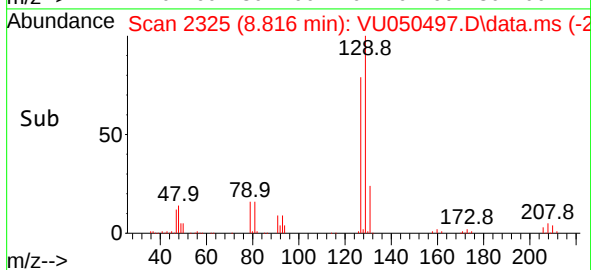
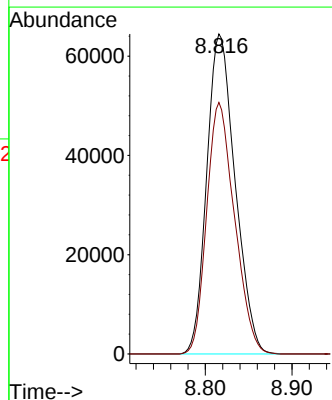
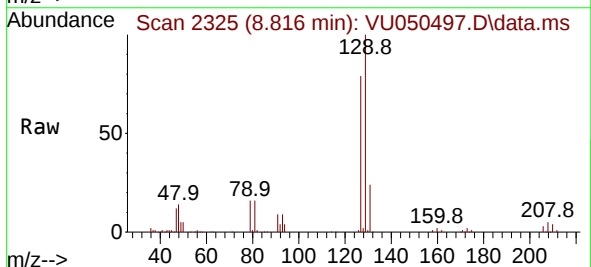
Instrument :
MSVOA_U
ClientSampleId :
EY163MEMS

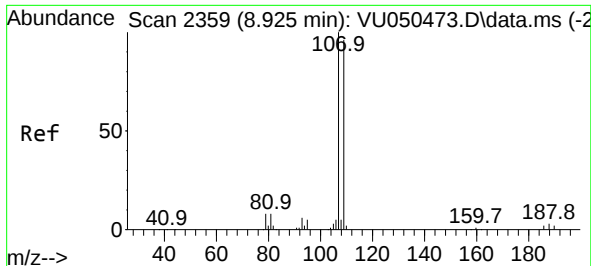
Tgt Ion: 43 Resp: 452068
Ion Ratio Lower Upper
43 100
58 58.2 47.9 71.9
57 20.9 15.4 23.0
100 11.3 9.0 13.6



#49
Dibromochloromethane
Concen: 40.641 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. 0.007 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion: 129 Resp: 147045
Ion Ratio Lower Upper
129 100
127 78.6 55.9 103.7

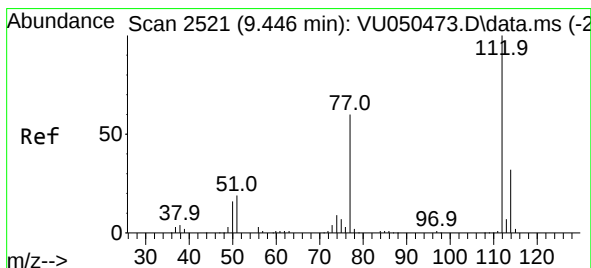
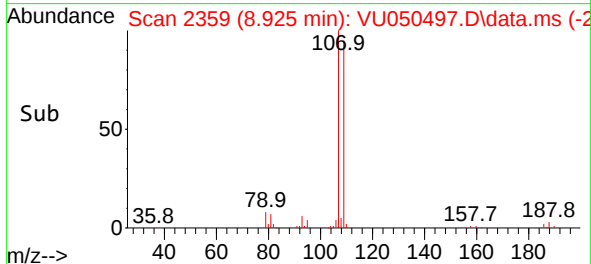
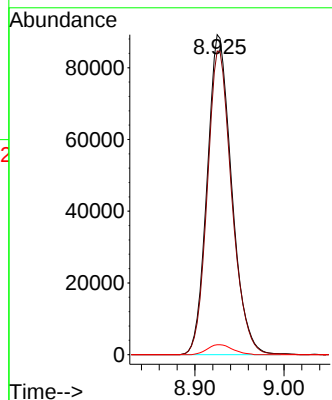
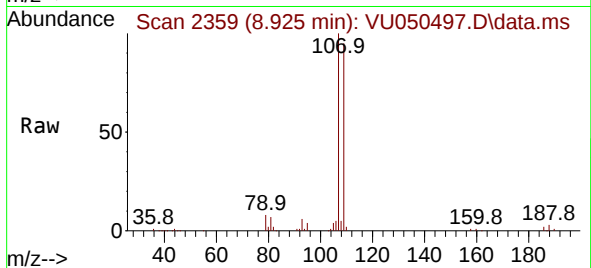




#50
1,2-Dibromoethane
Concen: 48.932 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

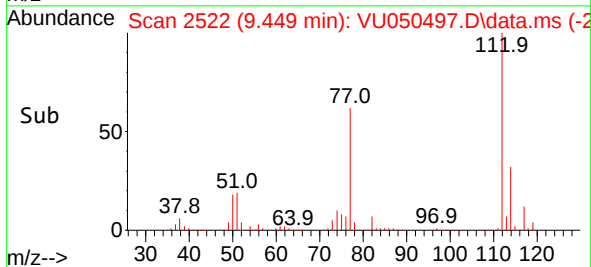
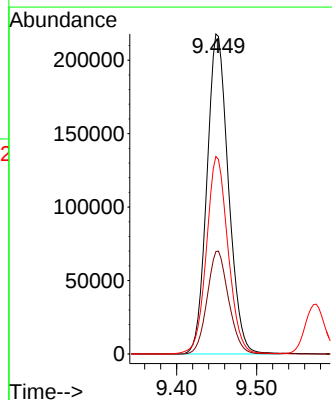
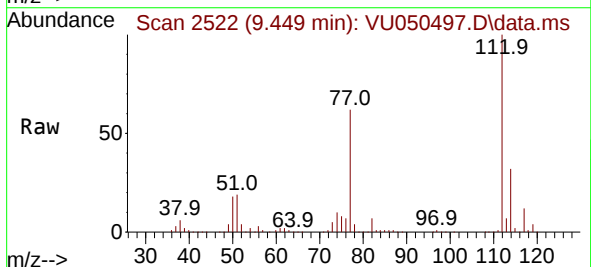
Instrument :
MSVOA_U
ClientSampleId :
EY163MEMS

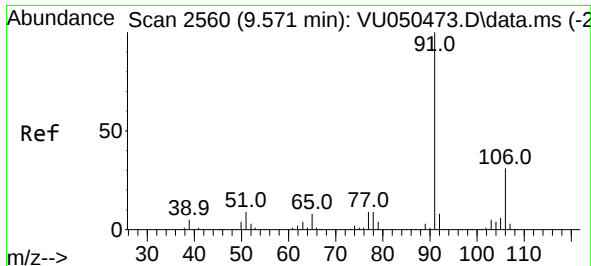
Tgt Ion:107 Resp: 170803
Ion Ratio Lower Upper
107 100
109 94.9 66.0 122.6
188 3.1 2.7 4.1



#51
Chlorobenzene
Concen: 50.435 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.003 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion:112 Resp: 407508
Ion Ratio Lower Upper
112 100
114 32.0 21.8 40.6
77 61.7 47.6 71.4

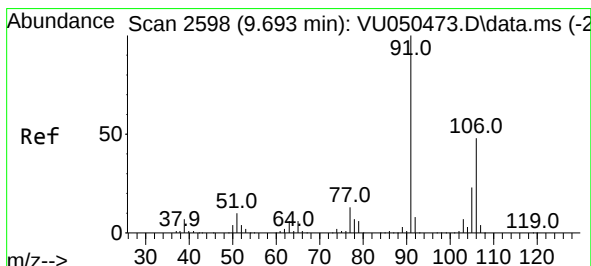
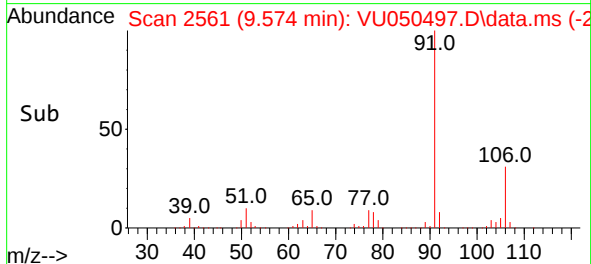
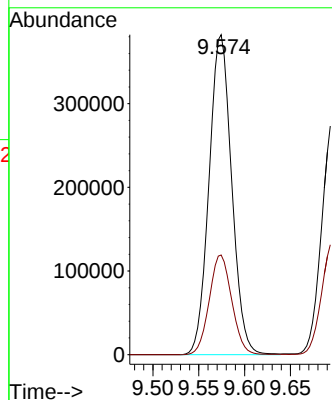
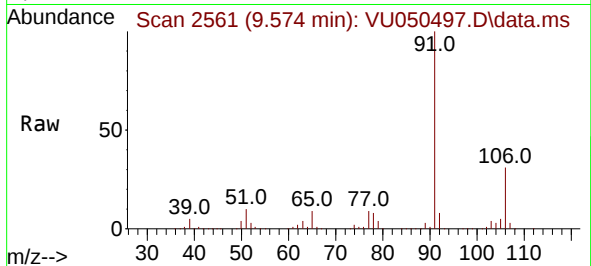




#52
Ethylbenzene
Concen: 52.899 ug/L
RT: 9.574 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

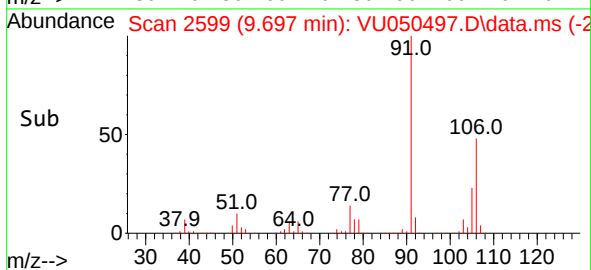
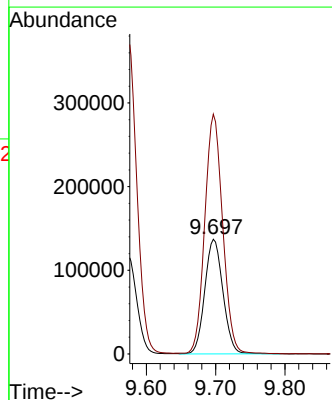
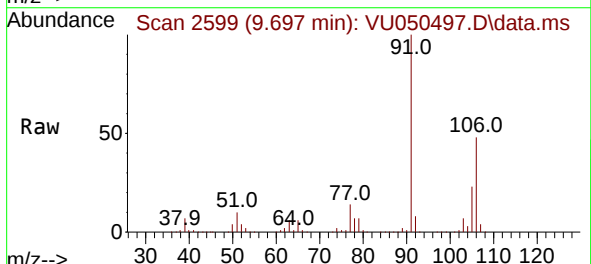
Instrument :
MSVOA_U
ClientSampleId :
EY163MEMS

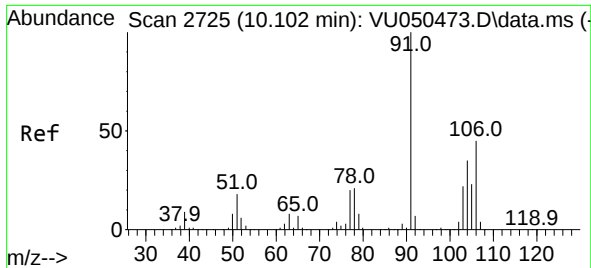
Tgt Ion: 91 Resp: 656432
Ion Ratio Lower Upper
91 100
106 31.1 21.7 40.3



#53
m,p-Xylene
Concen: 53.749 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion: 106 Resp: 249081
Ion Ratio Lower Upper
106 100
91 209.1 145.9 270.9

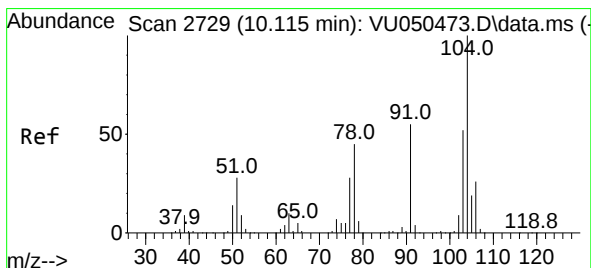
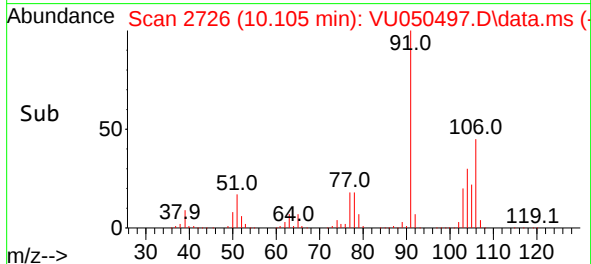
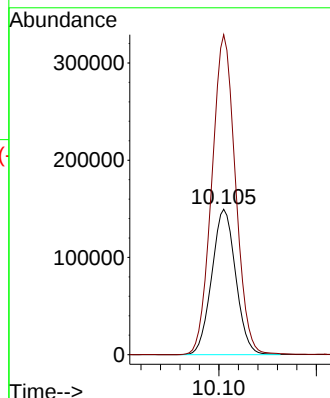
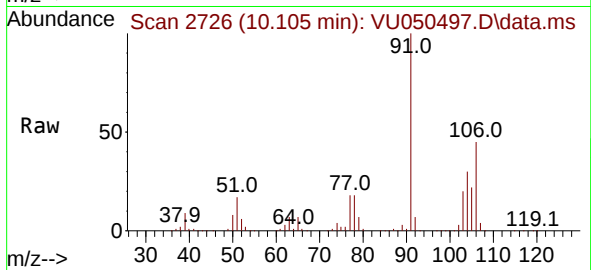




#54
o-Xylene
Concen: 55.439 ug/L
RT: 10.105 min Scan# 2731
Delta R.T. 0.003 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

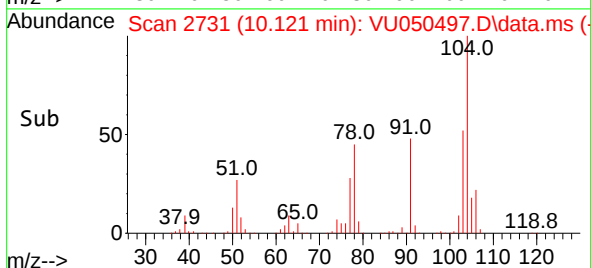
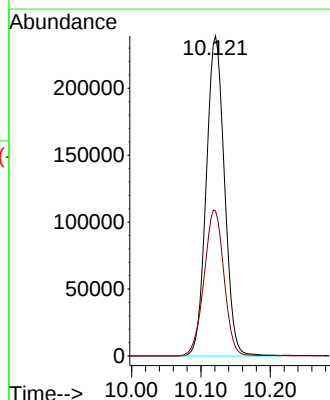
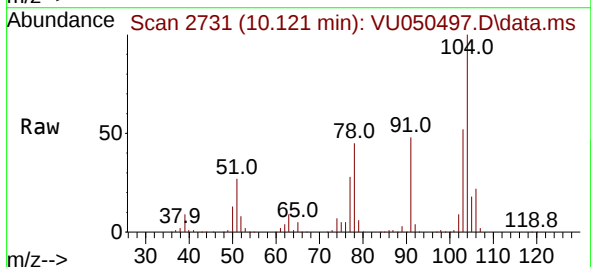
Instrument :
MSVOA_U
ClientSampleId :
EY163MEMS

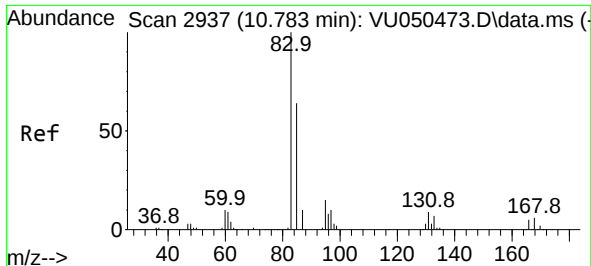
Tgt Ion:106 Resp: 255241
Ion Ratio Lower Upper
106 100
91 219.9 154.8 287.4



#55
Styrene
Concen: 55.659 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.006 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion:104 Resp: 436040
Ion Ratio Lower Upper
104 100
78 45.4 31.6 58.8





#57

1,1,2,2-Tetrachloroethane

Concen: 50.077 ug/L

RT: 10.790 min Scan# 2939

Delta R.T. 0.006 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

Instrument :

MSVOA_U

ClientSampleId :

EY163MEMS

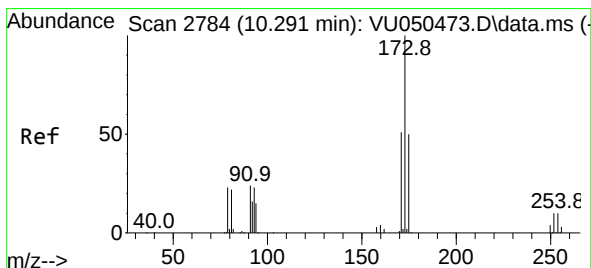
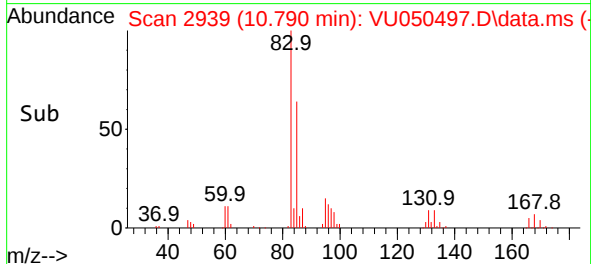
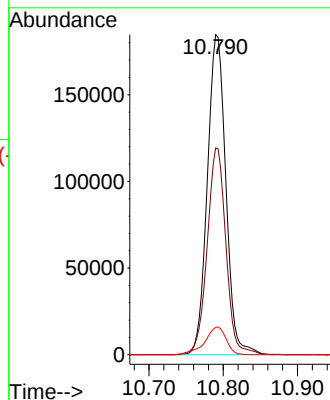
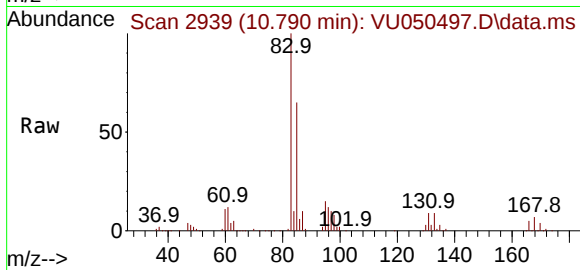
Tgt Ion: 83 Resp: 319608

Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.2

131 8.5 7.2 10.8



#59

Bromoform

Concen: 39.890 ug/L

RT: 10.301 min Scan# 2787

Delta R.T. 0.010 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

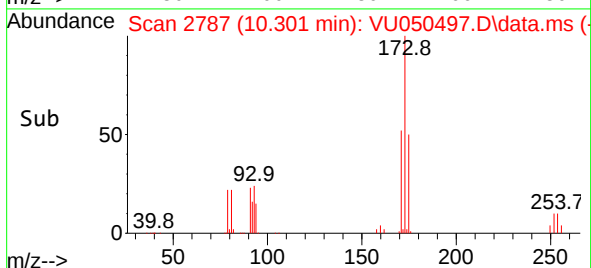
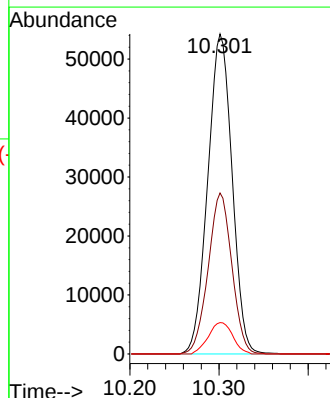
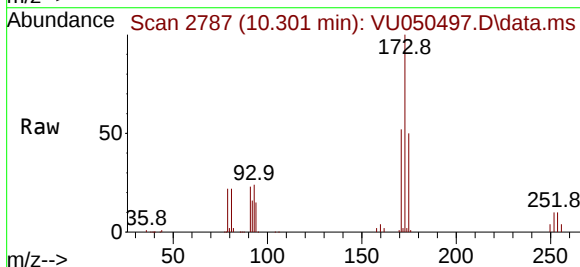
Tgt Ion:173 Resp: 102680

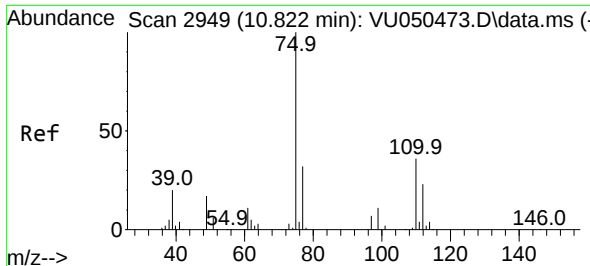
Ion Ratio Lower Upper

173 100

175 49.0 38.4 57.6

254 9.9 7.1 10.7

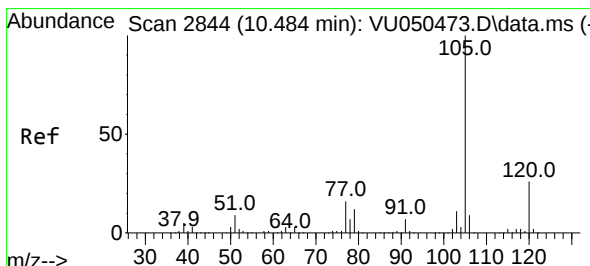
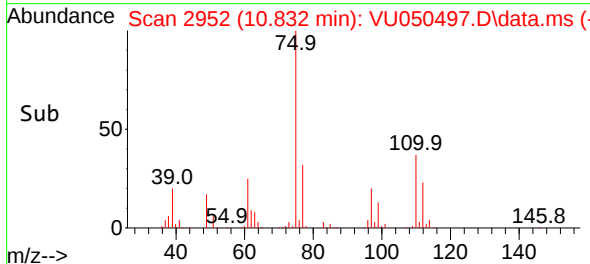
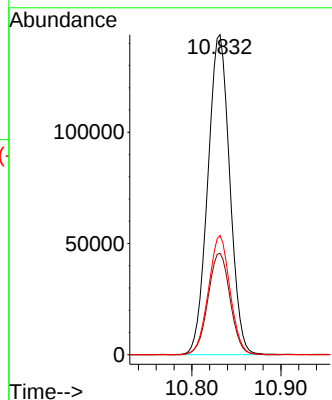
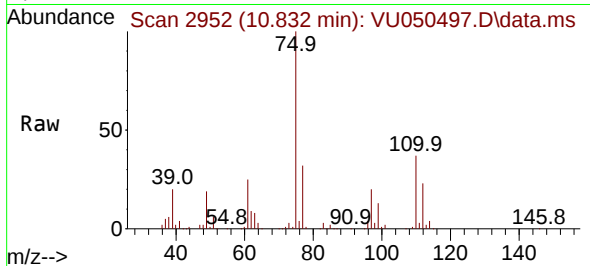




#60
1,2,3-Trichloropropane
Concen: 53.127 ug/L
RT: 10.832 min Scan# 2949
Delta R.T. 0.010 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

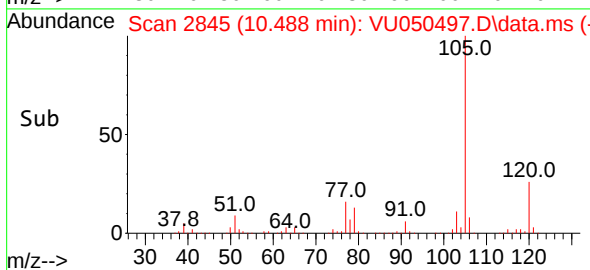
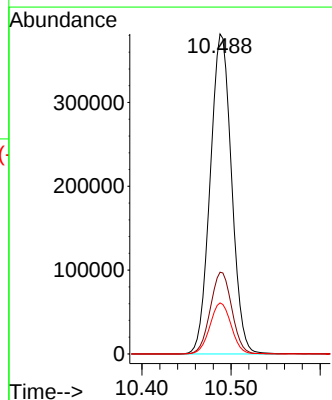
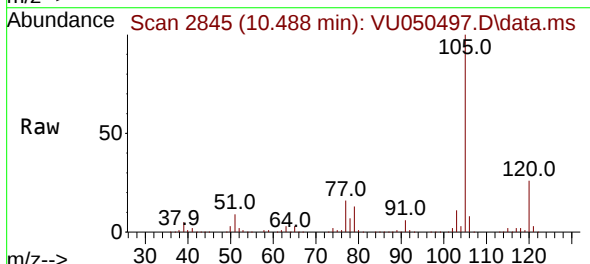
Instrument :
MSVOA_U
ClientSampleId :
EY163MEMS

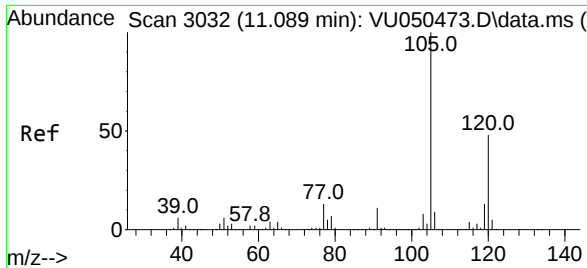
Tgt Ion: 75 Resp: 246089
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
110 36.6 29.0 43.4



#61
Isopropylbenzene
Concen: 57.078 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion: 105 Resp: 634604
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1
77 15.9 12.5 18.7





#62

1,3,5-Trimethylbenzene

Concen: 58.102 ug/L

RT: 11.092 min Scan# 3032

Delta R.T. 0.003 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

Instrument :

MSVOA_U

ClientSampleId :

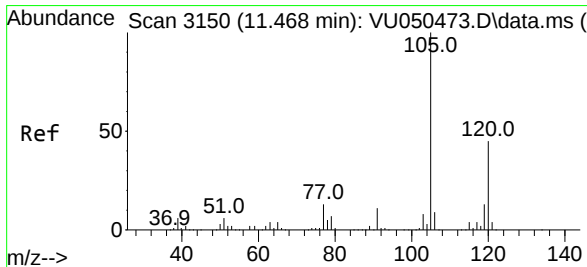
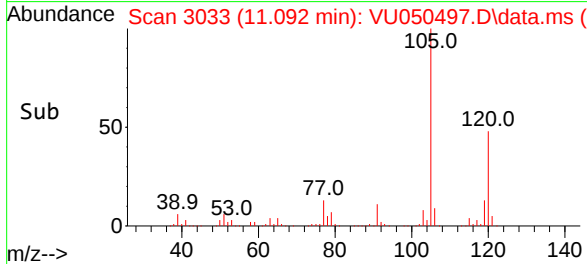
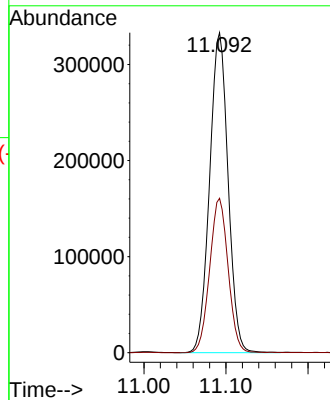
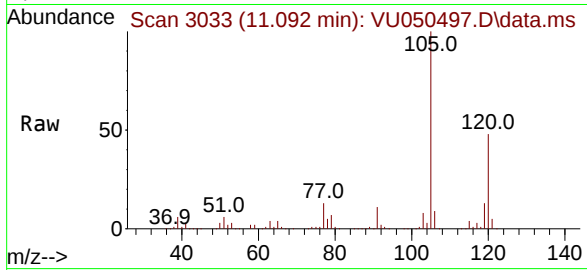
EY163MEMS

Tgt Ion:105 Resp: 521608

Ion Ratio Lower Upper

105 100

120 48.1 38.1 57.1



#63

1,2,4-Trimethylbenzene

Concen: 58.218 ug/L

RT: 11.471 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VU050497.D

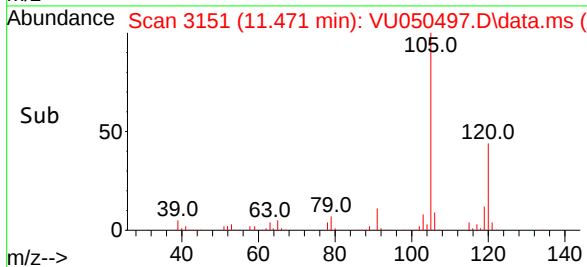
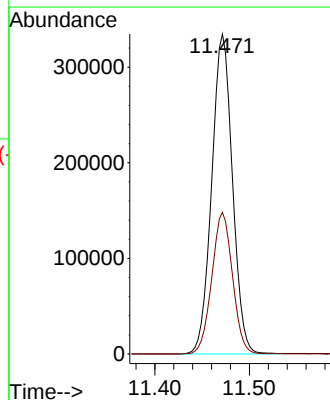
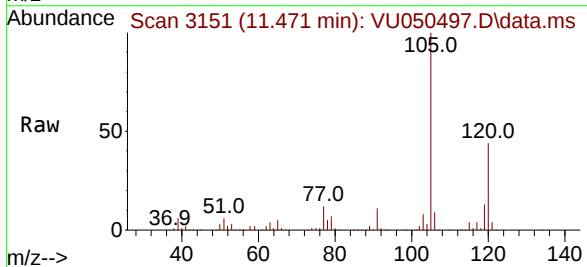
Acq: 29 Aug 2022 20:19

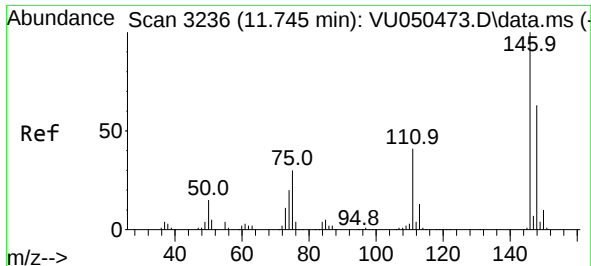
Tgt Ion:105 Resp: 509755

Ion Ratio Lower Upper

105 100

120 44.2 35.3 52.9

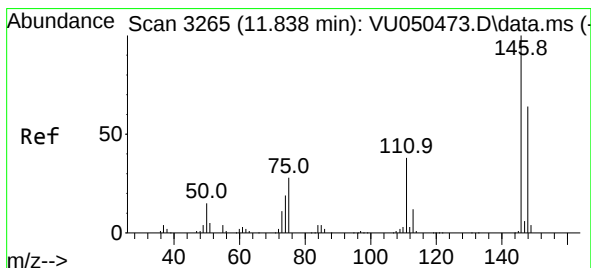
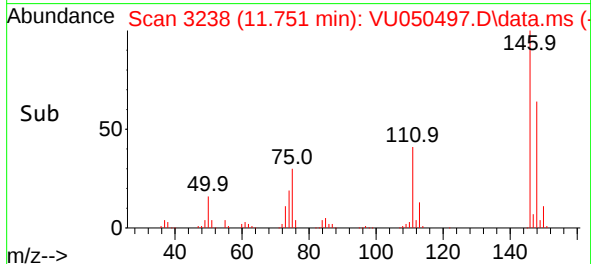
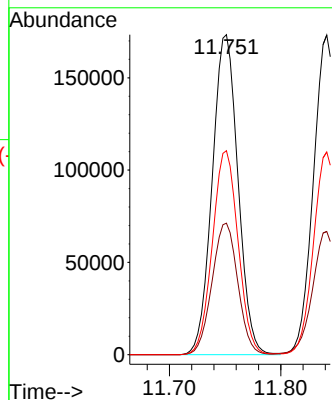
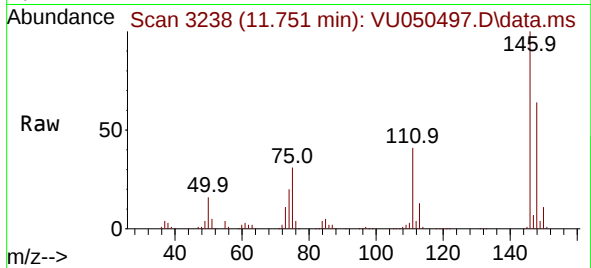




#64
 1,3-Dichlorobenzene
 Concen: 51.279 ug/L
 RT: 11.751 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: VU050497.D
 Acq: 29 Aug 2022 20:19

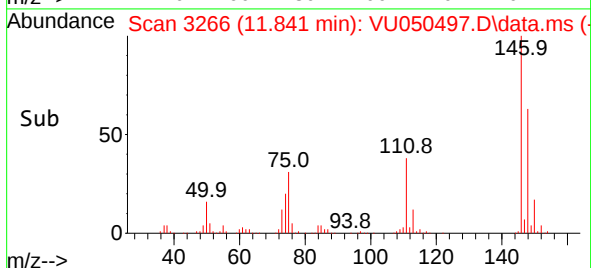
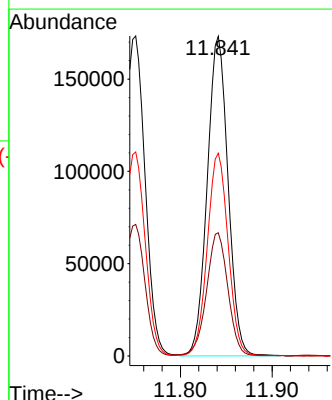
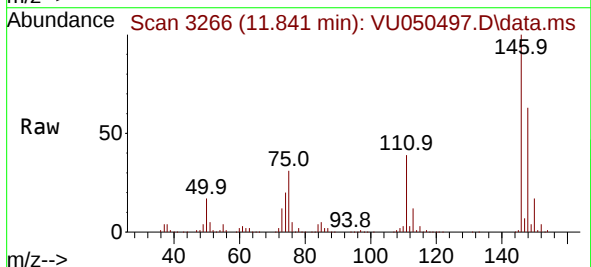
Instrument :
 MSVOA_U
 ClientSampleId :
 EY163MEMS

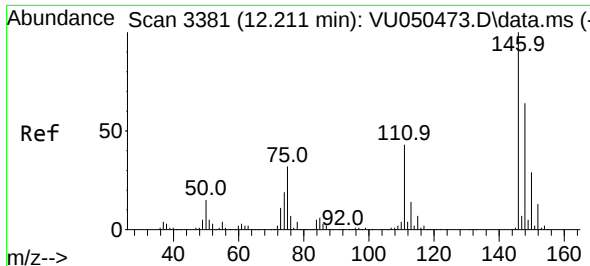
Tgt Ion:146 Resp: 278769
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.1 52.1
 148 63.7 44.2 82.0



#65
 1,4-Dichlorobenzene
 Concen: 49.904 ug/L
 RT: 11.841 min Scan# 3266
 Delta R.T. 0.003 min
 Lab File: VU050497.D
 Acq: 29 Aug 2022 20:19

Tgt Ion:146 Resp: 273216
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.6 51.2
 148 63.4 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 52.663 ug/L

RT: 12.217 min Scan# 31

Delta R.T. 0.007 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

Instrument :

MSVOA_U

ClientSampleId :

EY163MEMS

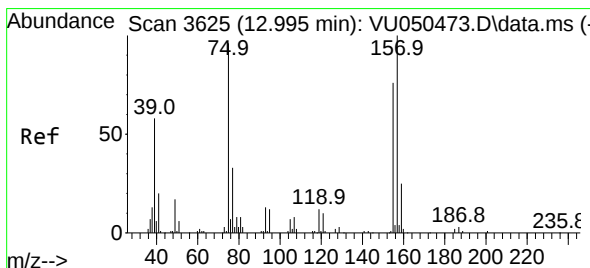
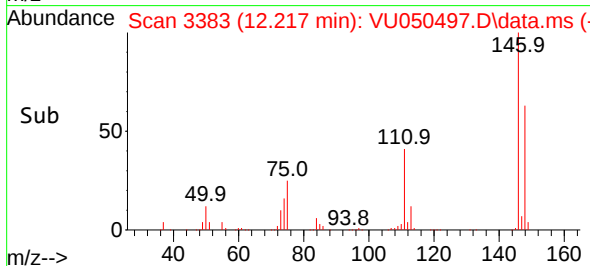
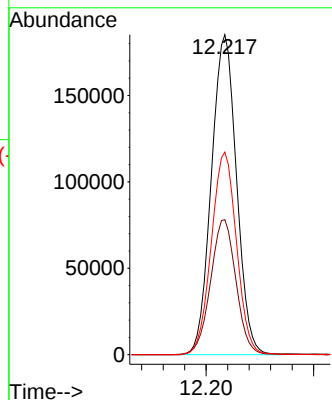
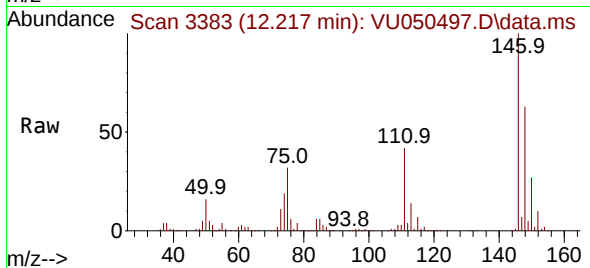
Tgt Ion:146 Resp: 301062

Ion Ratio Lower Upper

146 100

111 42.2 34.1 51.1

148 63.3 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 41.156 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU050497.D

Acq: 29 Aug 2022 20:19

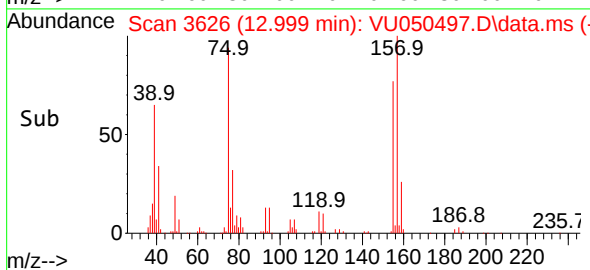
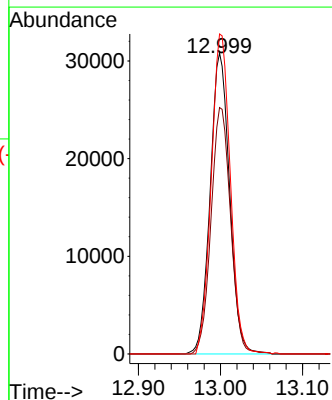
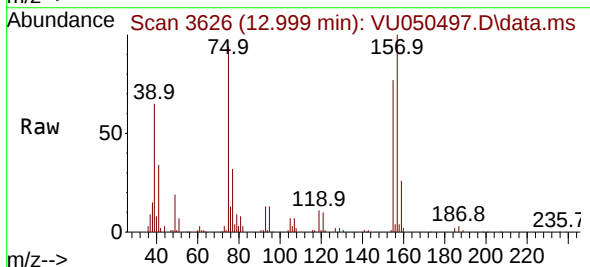
Tgt Ion: 75 Resp: 50667

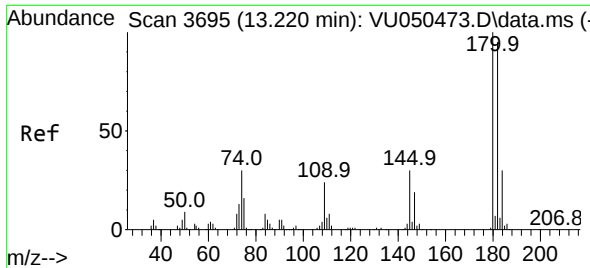
Ion Ratio Lower Upper

75 100

155 81.9 63.1 94.7

157 110.7 84.2 126.2

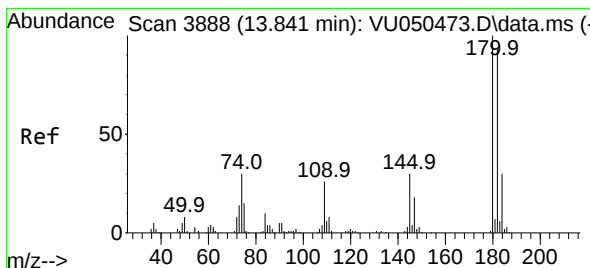
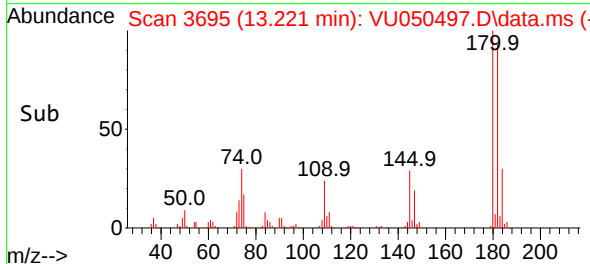
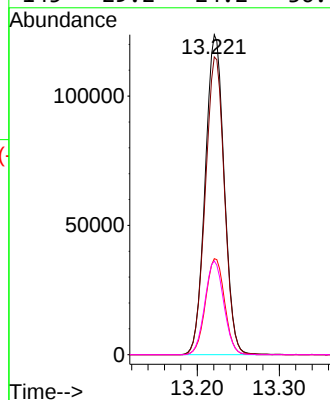
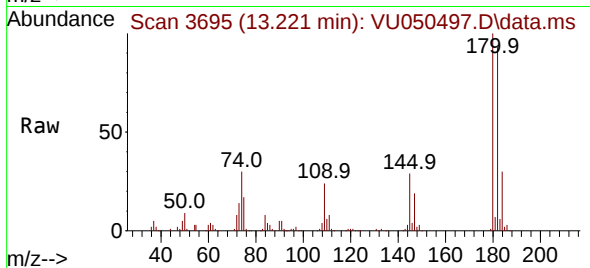




#69
1,3,5-Trichlorobenzene
Concen: 53.077 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.000 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

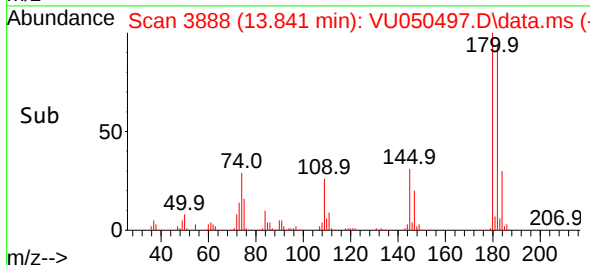
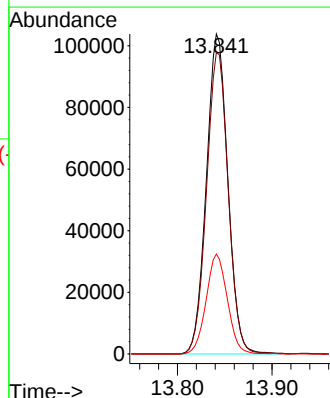
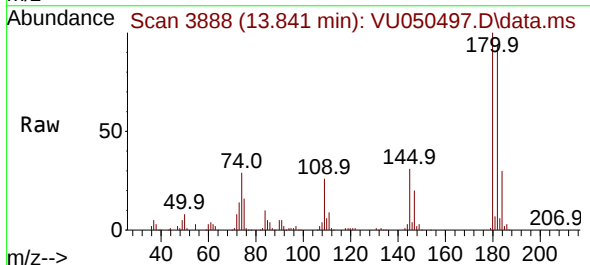
Instrument :
MSVOA_U
ClientSampleId :
EY163MEMS

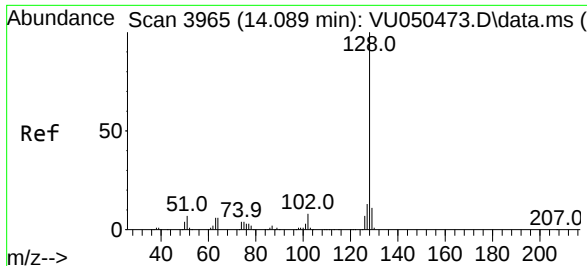
Tgt Ion:	180	Resp:	198897
Ion Ratio	Lower	Upper	
180	100		
182	93.7	77.0	115.6
184	30.1	24.1	36.1
145	29.2	24.2	36.4



#70
1,2,4-trichlorobenzene
Concen: 54.621 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion:	180	Resp:	163921
Ion Ratio	Lower	Upper	
180	100		
182	95.1	75.4	113.2
145	30.8	23.9	35.9

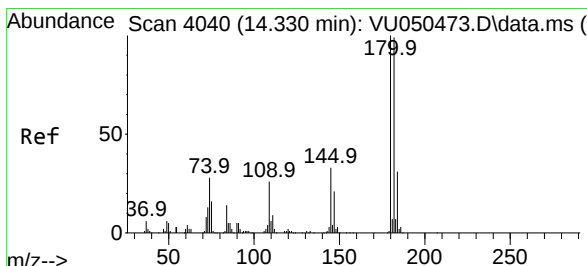
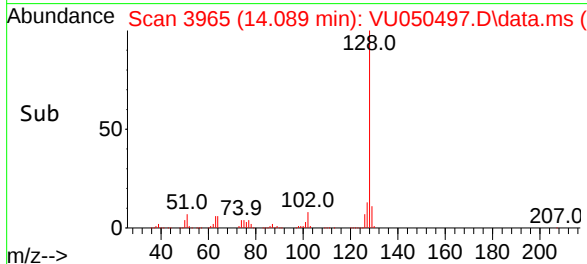
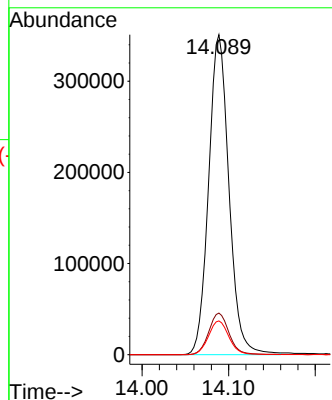
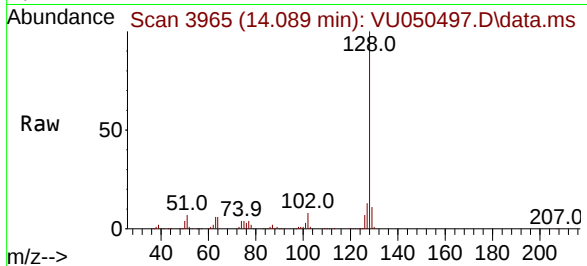




#71
Naphthalene
Concen: 58.195 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Instrument :
MSVOA_U
ClientSampleId :
EY163MEMS

Tgt Ion:128 Resp: 572904
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.6 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 56.432 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050497.D
Acq: 29 Aug 2022 20:19

Tgt Ion:180 Resp: 185094
Ion Ratio Lower Upper
180 100
182 95.1 76.8 115.2
145 33.3 26.5 39.7

