

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050622\
 Data File : VU048463.D
 Acq On : 06 May 2022 18:29
 Operator : SY/MD
 Sample : N2638-10MSME
 Misc : 4.81g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXL04MEMS

Quant Time: May 07 04:10:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 06 23:43:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	402965	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	409574	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	216850	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	145348	41.882	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.760%
7) Chloroethane-d5	1.874	69	89605	39.562	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.120%
11) 1,1-Dichloroethene-d2	2.559	63	257061	41.620	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.240%
21) 2-Butanone-d5	4.623	46	254005	85.942	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.940%
24) Chloroform-d	5.063	84	249173	41.337	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.680%
26) 1,2-Dichloroethane-d4	5.700	65	161722	41.273	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.540%
32) Benzene-d6	5.726	84	497873	40.002	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.000%
36) 1,2-Dichloropropane-d6	6.690	67	164003	40.408	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.820%
41) Toluene-d8	7.899	98	445949	40.513	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.020%
43) trans-1,3-Dichloroprop...	8.179	79	74654	39.963	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.920%
47) 2-Hexanone-d5	8.636	63	181883	92.589	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.590%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	272193	44.028	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.060%
66) 1,2-Dichlorobenzene-d4	12.195	152	177664	41.375	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	161077	44.189	ug/L	99
3) Chloromethane	1.520	50	194455	46.638	ug/L	99
5) Vinyl chloride	1.604	62	186902	47.185	ug/L	99
6) Bromomethane	1.829	94	82965	42.354	ug/L	99
8) Chloroethane	1.899	64	98863	46.424	ug/L	99
9) Trichlorofluoromethane	2.118	101	232738	44.721	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	130290	43.627	ug/L	99
12) 1,1-Dichloroethene	2.571	96	129093	45.719	ug/L	89
13) Acetone	2.629	43	174557	78.339	ug/L	100
14) Carbon disulfide	2.784	76	391050	44.681	ug/L	100
15) Methyl Acetate	2.944	43	211437	46.319	ug/L	99
16) Methylene chloride	3.041	84	163516	47.355	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	139012	46.146	ug/L	99
18) Methyl tert-butyl Ether	3.362	73	476331	46.953	ug/L	99
19) 1,1-Dichloroethane	3.864	63	284990	45.880	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	159573	46.941	ug/L	93
22) 2-Butanone	4.703	43	307350	92.274	ug/L	99
23) Bromochloromethane	4.977	128	80121	44.723	ug/L	96
25) Chloroform	5.086	83	279201	45.518	ug/L	99

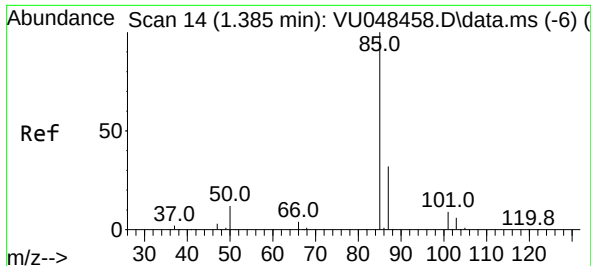
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	230451	45.696	ug/L	98
29) Cyclohexane	5.385	56	249687	44.178	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	248796	43.741	ug/L	99
31) Carbon tetrachloride	5.523	117	210010	43.119	ug/L	100
33) Benzene	5.771	78	622467	44.140	ug/L	100
34) Trichloroethene	6.539	95	150493	43.414	ug/L	97
35) Methylcyclohexane	6.761	83	237912	43.016	ug/L	99
37) 1,2-Dichloropropane	6.790	63	172314	43.780	ug/L	99
38) Bromodichloromethane	7.105	83	207851	43.370	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	247973	44.294	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	617463	97.911	ug/L	100
42) Toluene	7.970	91	649705	44.639	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	241893	44.462	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	166325	46.728	ug/L	99
46) Tetrachloroethene	8.552	164	112403	43.164	ug/L	100
48) 2-Hexanone	8.687	43	501220	95.634	ug/L	99
49) Dibromochloromethane	8.812	129	175530	45.920	ug/L	100
50) 1,2-Dibromoethane	8.925	107	173443	46.097	ug/L	98
51) Chlorobenzene	9.449	112	421017	45.909	ug/L	99
52) Ethylbenzene	9.571	91	693604	45.748	ug/L	100
53) m,p-Xylene	9.693	106	272342	46.536	ug/L	98
54) o-Xylene	10.102	106	280627	47.662	ug/L	98
55) Styrene	10.115	104	476195	49.744	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	325692	48.821	ug/L	98
59) Bromoform	10.295	173	142442	46.316	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	269116	47.543	ug/L	100
61) Isopropylbenzene	10.484	105	709448	46.689	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	395427	47.207	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	611621	49.029	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	321734	44.894	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	322466	44.879	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	330755	45.100	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	71814	43.286	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	219123	43.244	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	176964	40.215	ug/L	98
71) Naphthalene	14.089	128	597217	35.242	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	183374	39.181	ug/L	99

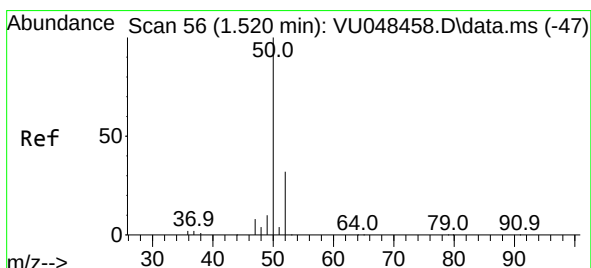
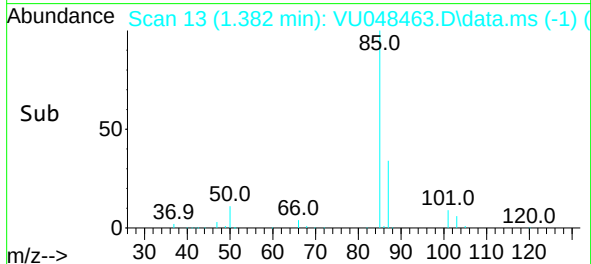
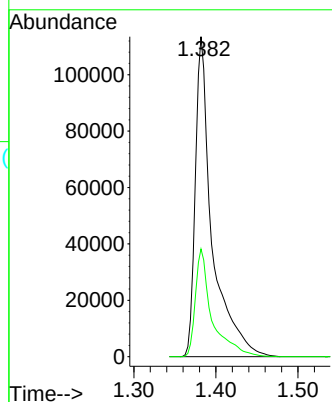
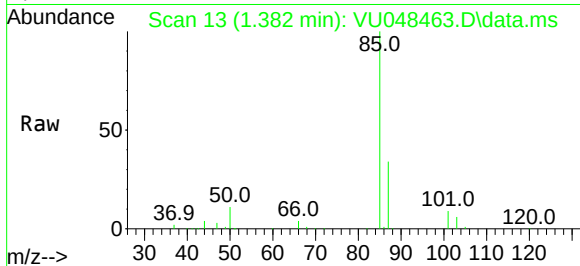
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 44.189 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU048463.D
 Acq: 06 May 2022 18:29

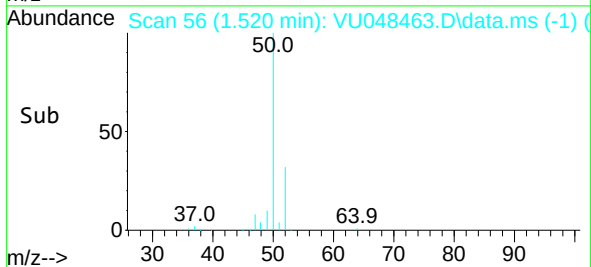
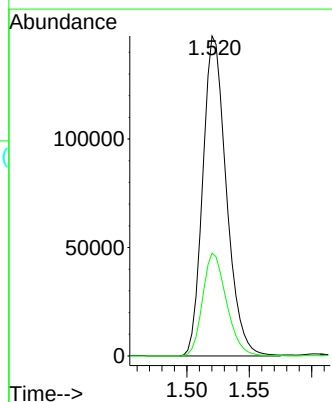
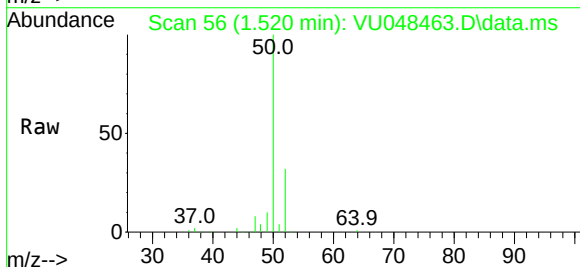
Instrument :
 MSVOA_U
 ClientSampleId :
 EXL04MEMS

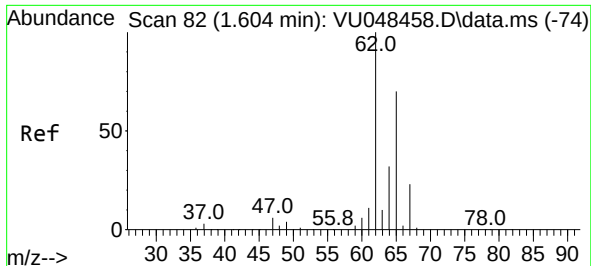
Tgt Ion: 85 Resp: 161077
 Ion Ratio Lower Upper
 85 100
 87 33.3 26.2 39.4



#3
 Chloromethane
 Concen: 46.638 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.000 min
 Lab File: VU048463.D
 Acq: 06 May 2022 18:29

Tgt Ion: 50 Resp: 194455
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.0 42.8

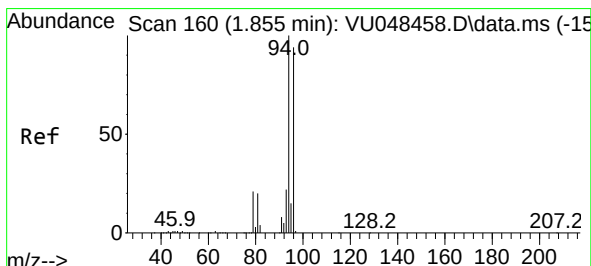
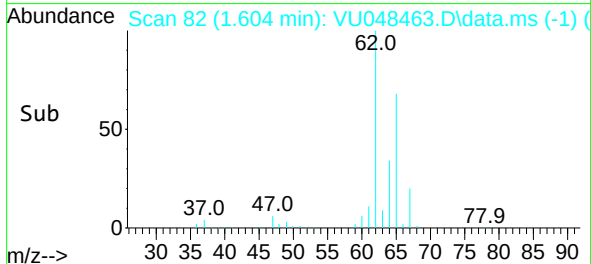
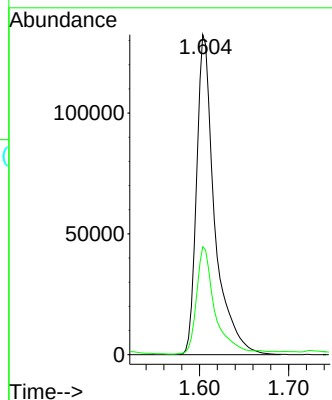
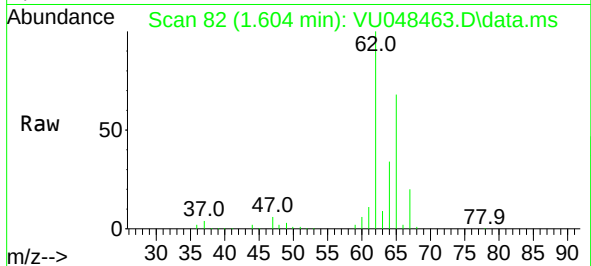




#5
 Vinyl chloride
 Concen: 47.185 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048463.D
 Acq: 06 May 2022 18:29

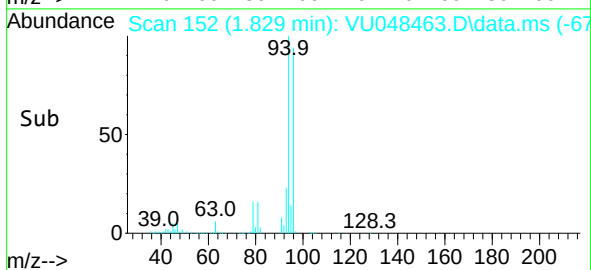
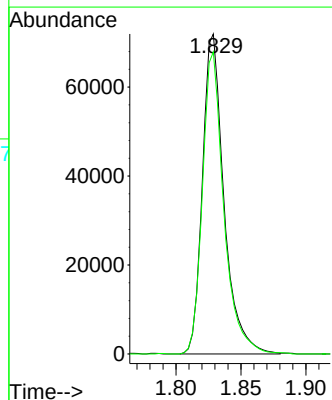
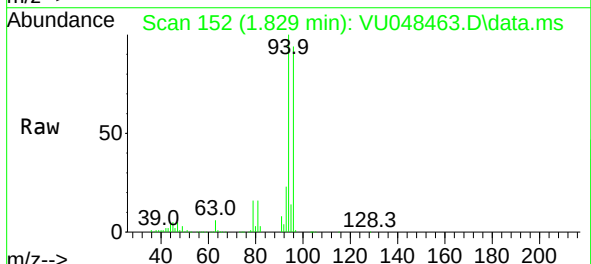
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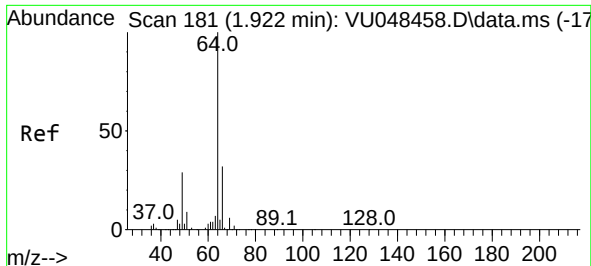
Tgt Ion: 62 Resp: 186902
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.2 43.0



#6
 Bromomethane
 Concen: 42.354 ug/L
 RT: 1.829 min Scan# 152
 Delta R.T. -0.026 min
 Lab File: VU048463.D
 Acq: 06 May 2022 18:29

Tgt Ion: 94 Resp: 82965
 Ion Ratio Lower Upper
 94 100
 96 94.4 66.5 123.5

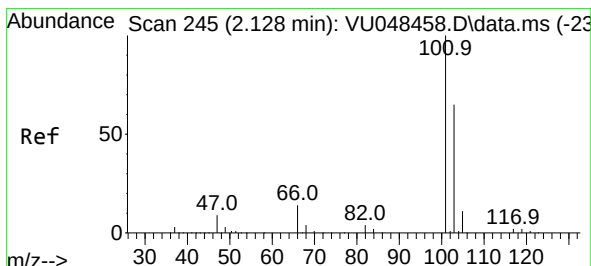
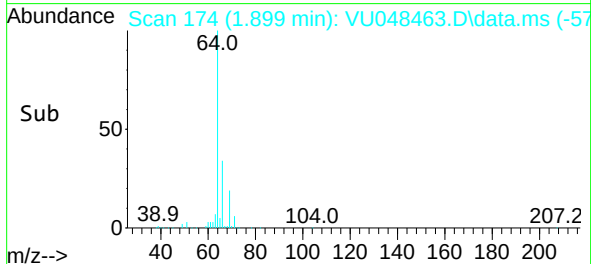
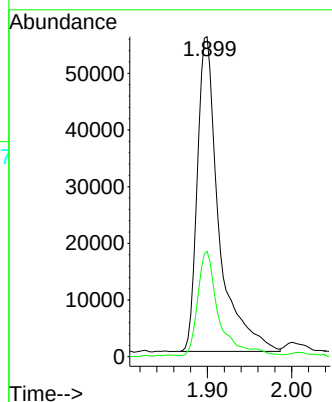
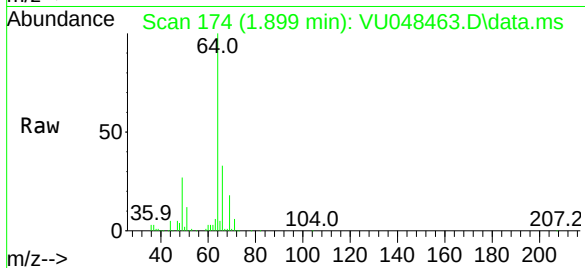




#8
Chloroethane
Concen: 46.424 ug/L
RT: 1.899 min Scan# 11
Delta R.T. -0.023 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

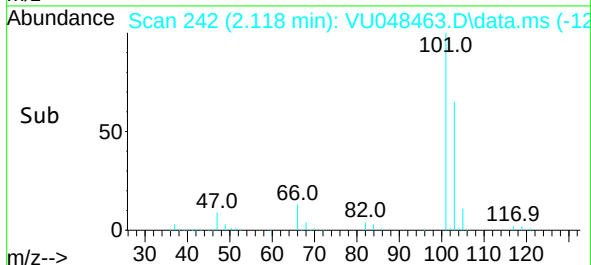
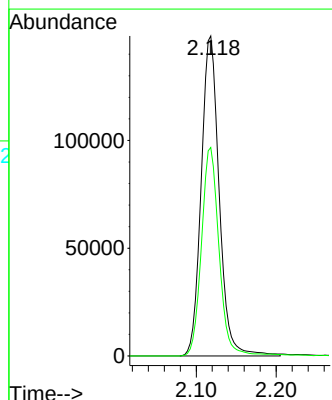
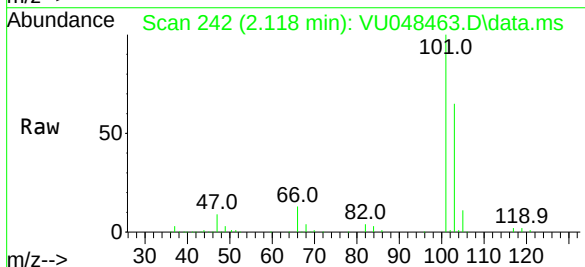
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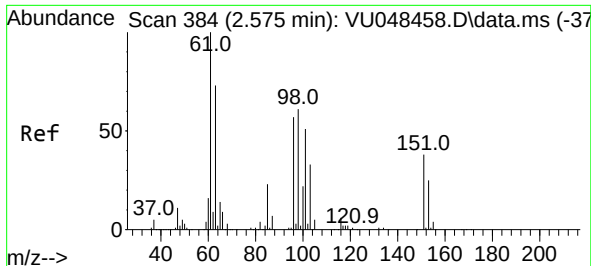
Tgt Ion: 64 Resp: 98863
Ion Ratio Lower Upper
64 100
66 32.9 22.8 42.4



#9
Trichlorofluoromethane
Concen: 44.721 ug/L
RT: 2.118 min Scan# 242
Delta R.T. -0.010 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion:101 Resp: 232738
Ion Ratio Lower Upper
101 100
103 63.1 52.0 78.0

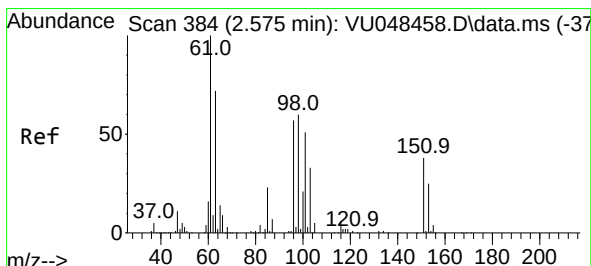
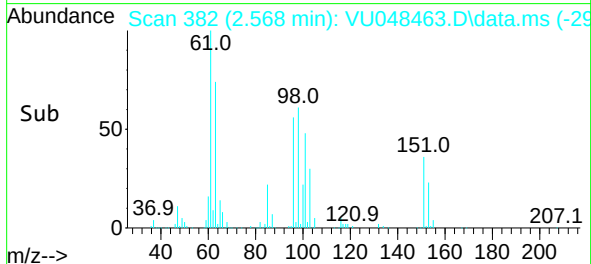
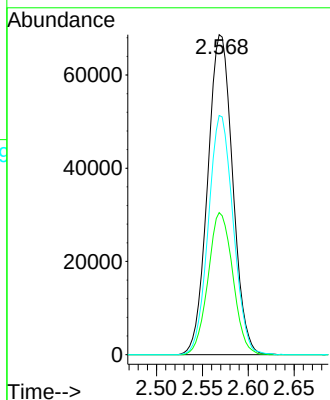
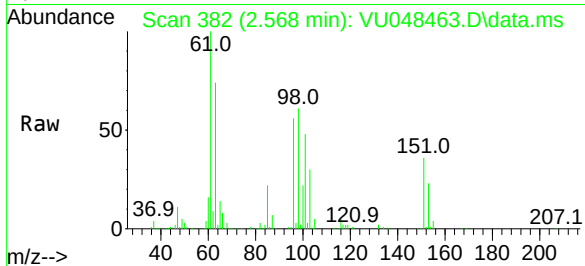




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.627 ug/L
RT: 2.568 min Scan# 31
Delta R.T. -0.007 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

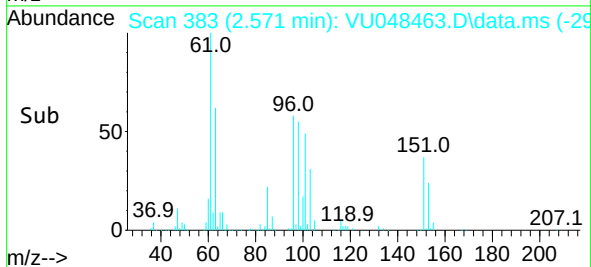
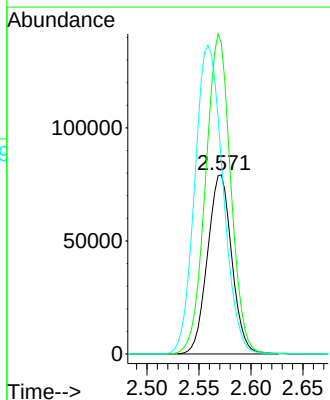
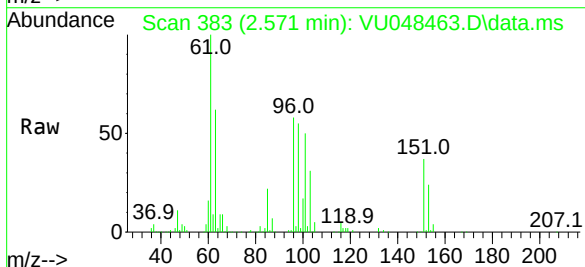
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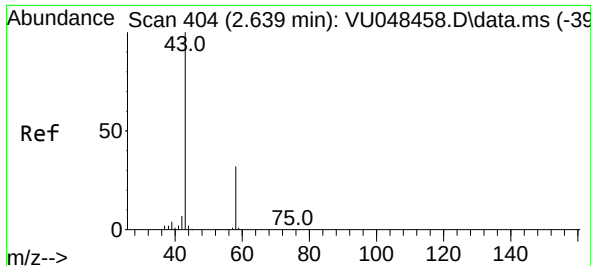
Tgt Ion:101 Resp: 130290
Ion Ratio Lower Upper
101 100
85 43.8 34.8 52.2
151 74.4 60.7 91.1



#12
1,1-Dichloroethene
Concen: 45.719 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion: 96 Resp: 129093
Ion Ratio Lower Upper
96 100
61 173.3 124.5 231.3
63 106.9 92.5 171.9





#13

Acetone

Concen: 78.339 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.010 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

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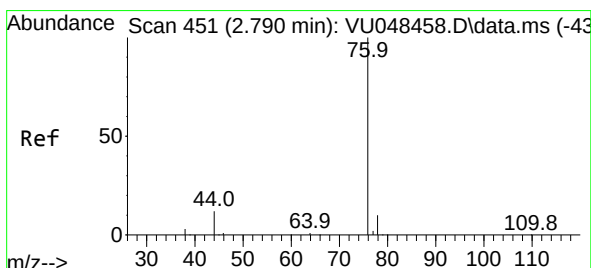
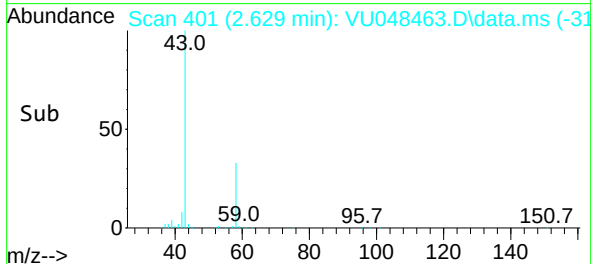
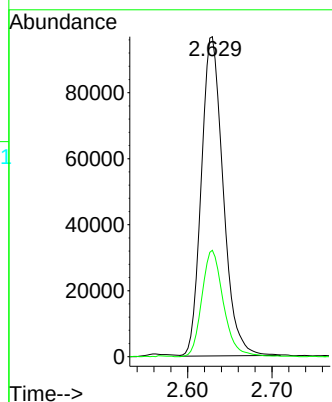
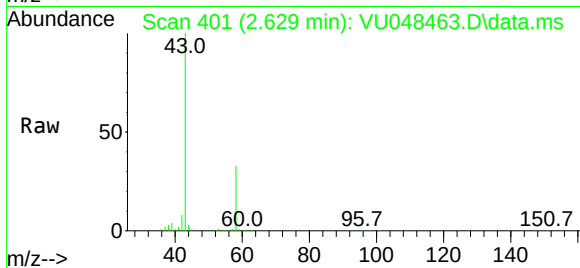
EXL04MEMS

Tgt Ion: 43 Resp: 174557

Ion Ratio Lower Upper

43 100

58 33.0 0.0 66.2



#14

Carbon disulfide

Concen: 44.681 ug/L

RT: 2.784 min Scan# 449

Delta R.T. -0.007 min

Lab File: VU048463.D

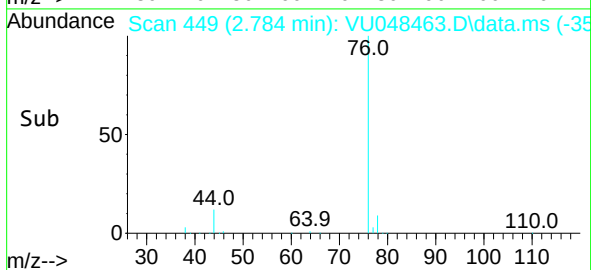
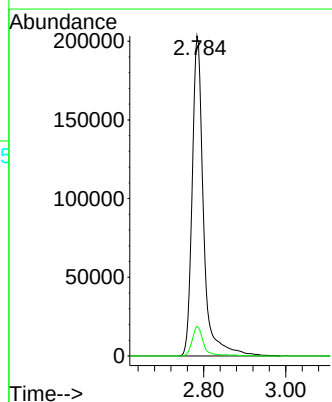
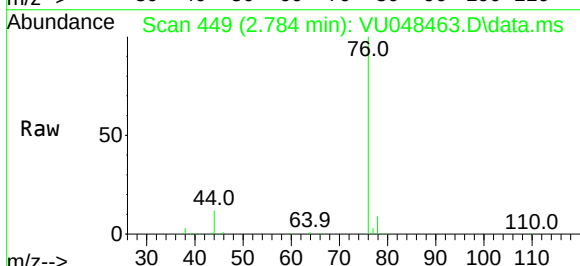
Acq: 06 May 2022 18:29

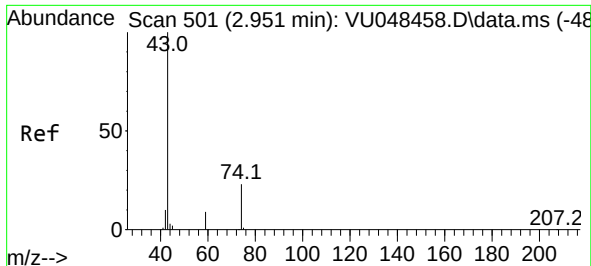
Tgt Ion: 76 Resp: 391050

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

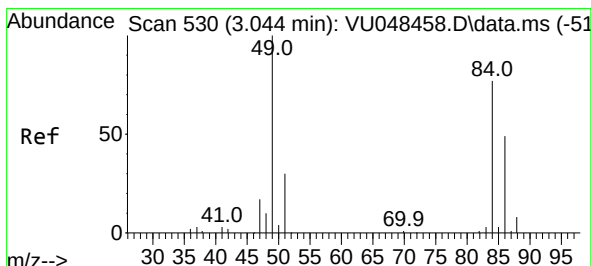
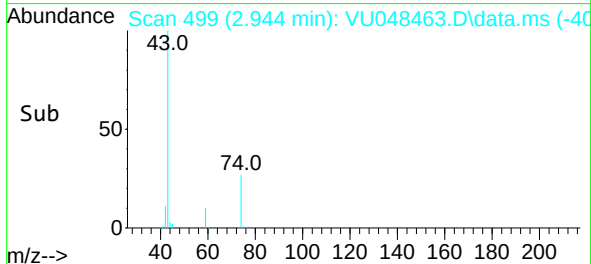
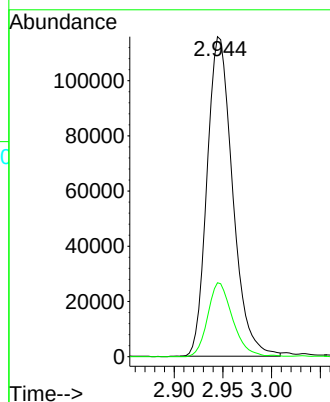
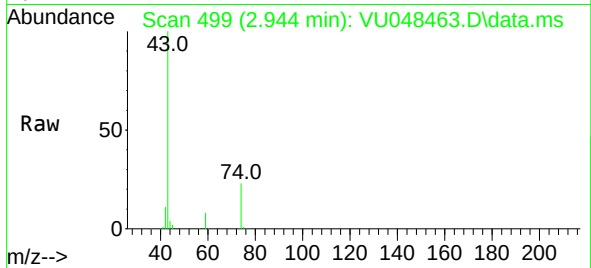




#15
Methyl Acetate
Concen: 46.319 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.007 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

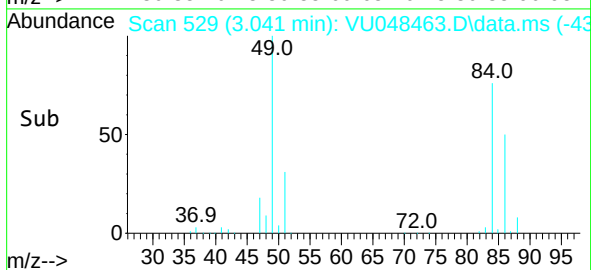
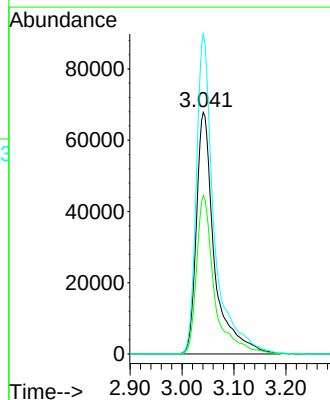
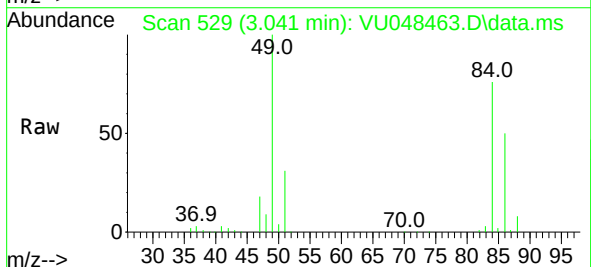
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

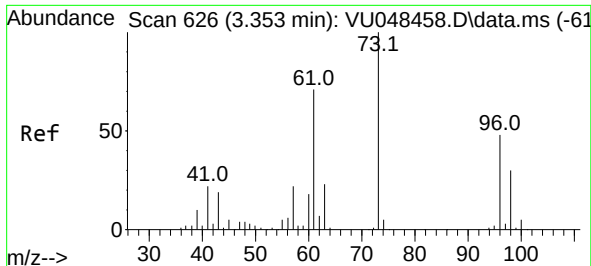
Tgt Ion: 43 Resp: 211437
Ion Ratio Lower Upper
43 100
74 22.4 17.6 26.4



#16
Methylene chloride
Concen: 47.355 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion: 84 Resp: 163516
Ion Ratio Lower Upper
84 100
86 65.6 44.8 83.2
49 132.4 92.0 170.8

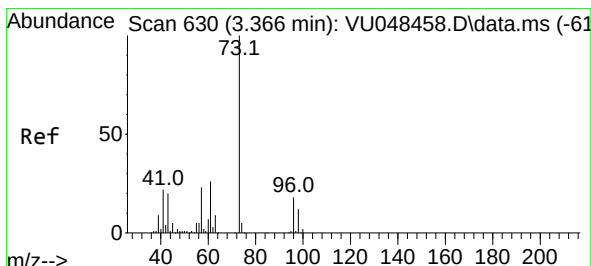
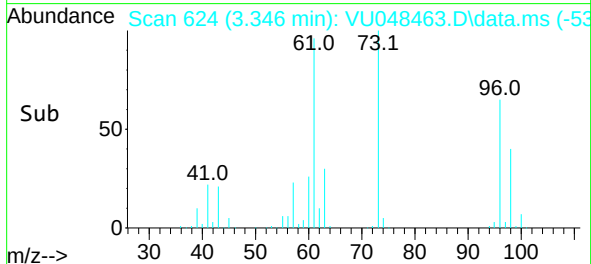
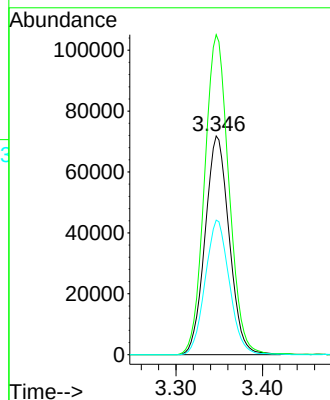
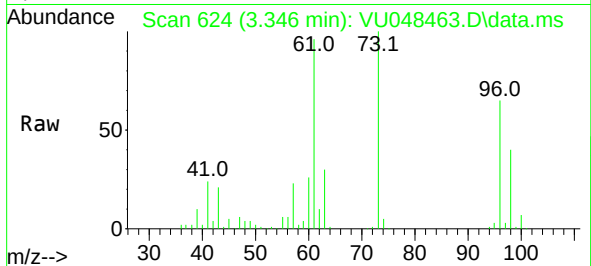




#17
trans-1,2-Dichloroethene
Concen: 46.146 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.007 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

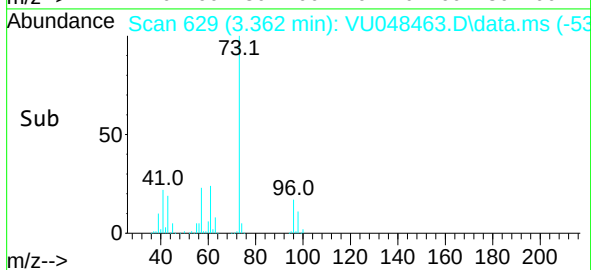
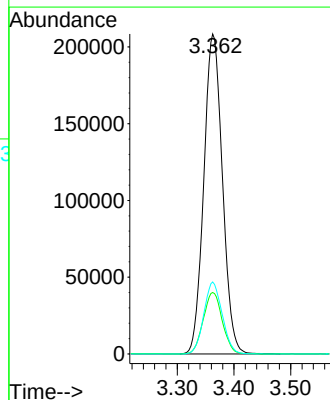
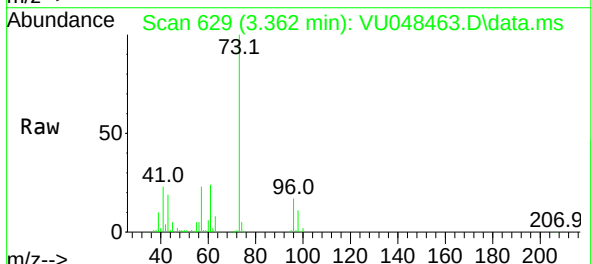
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

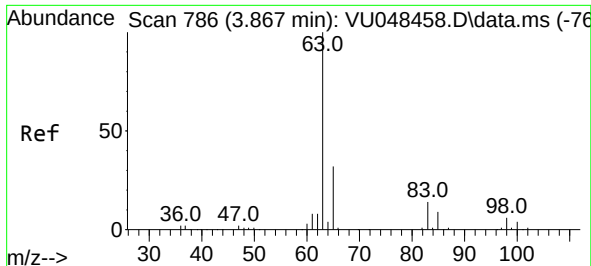
Tgt Ion: 96 Resp: 139012
Ion Ratio Lower Upper
96 100
61 146.3 101.2 187.8
98 61.6 43.3 80.3



#18
Methyl tert-butyl Ether
Concen: 46.953 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion: 73 Resp: 476331
Ion Ratio Lower Upper
73 100
43 19.7 15.6 23.4
57 22.1 18.1 27.1





#19

1,1-Dichloroethane

Concen: 45.880 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

Instrument :

MSVOA_U

ClientSampleId :

EXL04MEMS

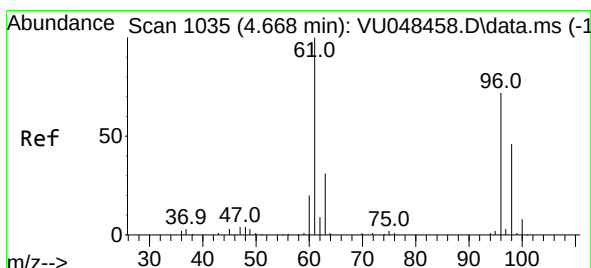
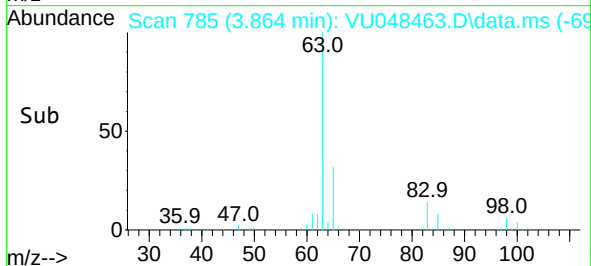
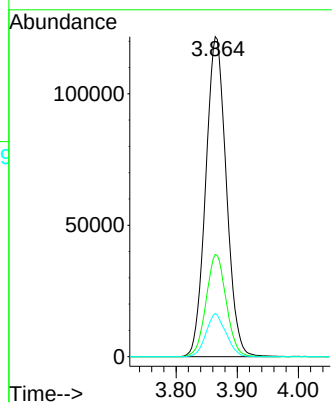
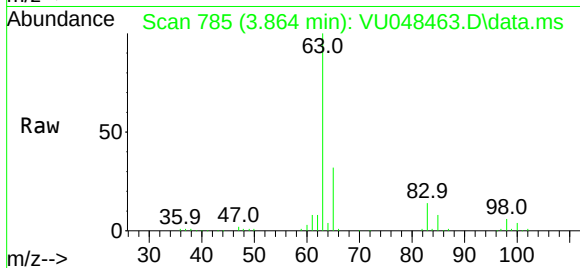
Tgt Ion: 63 Resp: 284990

Ion Ratio Lower Upper

63 100

65 31.9 22.0 41.0

83 13.5 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 46.941 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.007 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

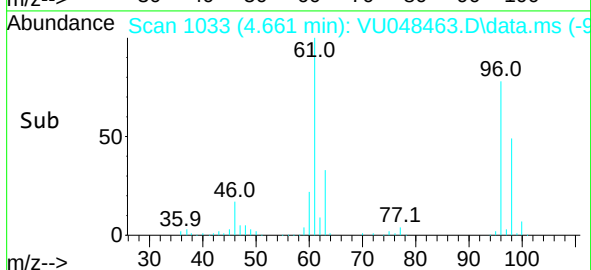
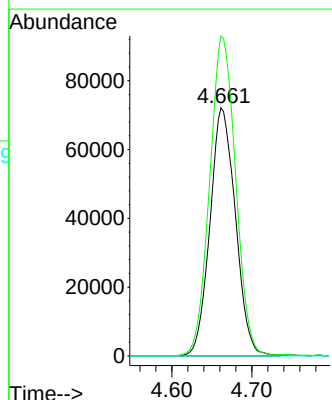
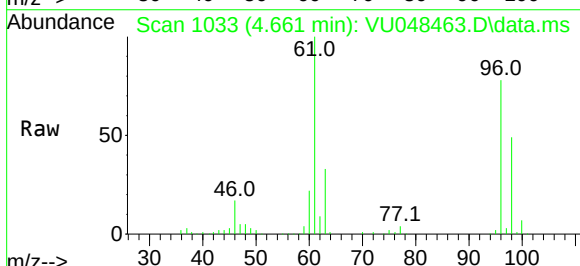
Tgt Ion: 96 Resp: 159573

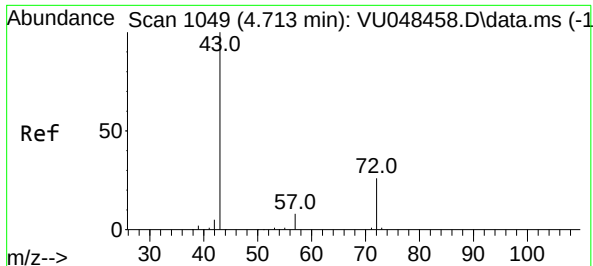
Ion Ratio Lower Upper

96 100

61 128.9 96.2 178.8

68 0.0 0.0 0.0

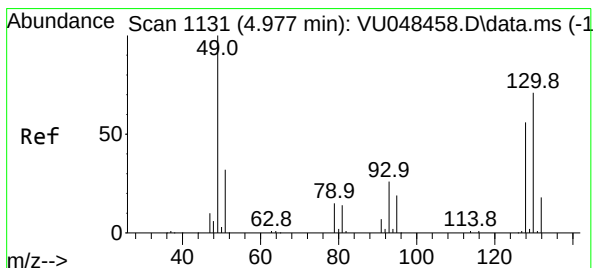
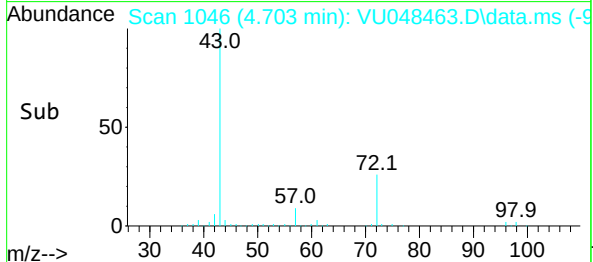
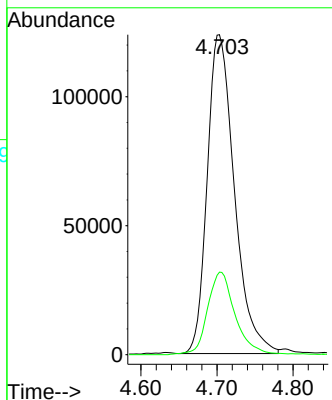
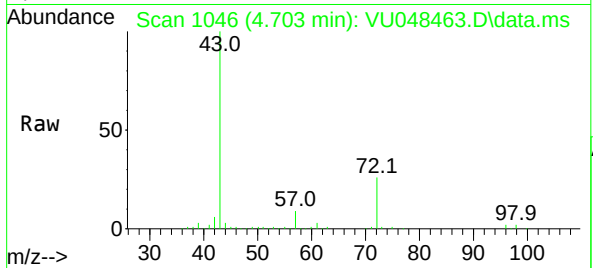




#22
2-Butanone
Concen: 92.274 ug/L
RT: 4.703 min Scan# 1046
Delta R.T. -0.010 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

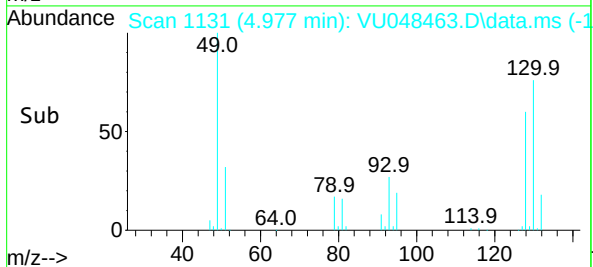
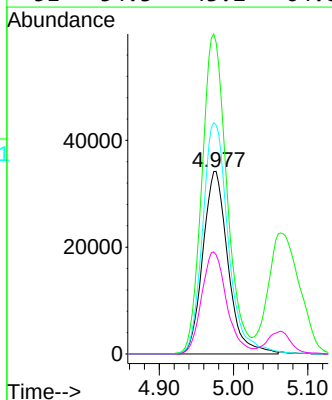
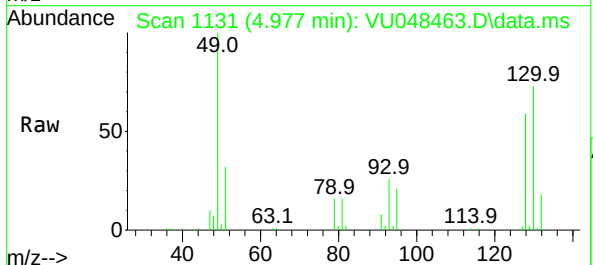
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

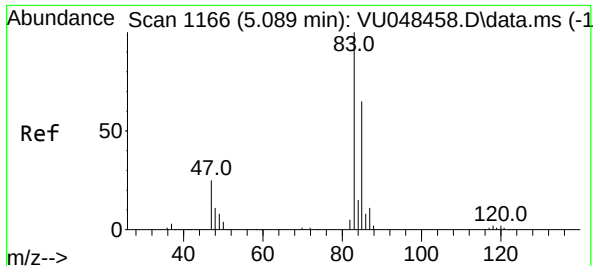
Tgt Ion: 43 Resp: 307350
Ion Ratio Lower Upper
43 100
72 26.3 13.3 39.9



#23
Bromochloromethane
Concen: 44.723 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion:128 Resp: 80121
Ion Ratio Lower Upper
128 100
49 170.7 123.1 228.7
130 125.5 93.6 173.8
51 54.3 43.2 64.8





#25

Chloroform

Concen: 45.518 ug/L

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

Instrument :

MSVOA_U

ClientSampleId :

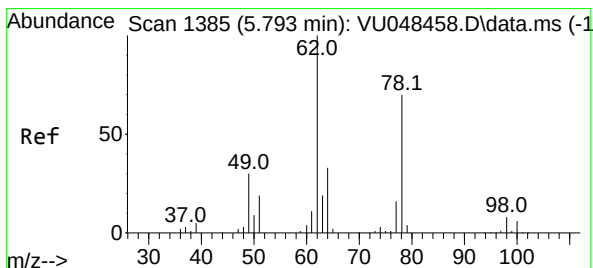
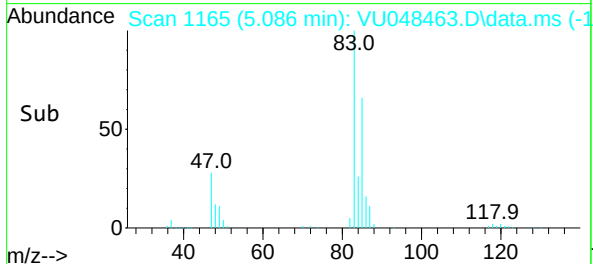
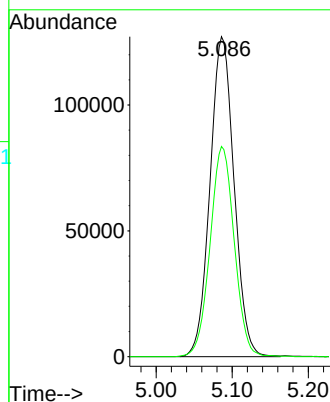
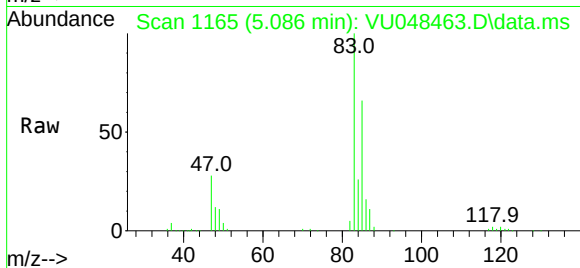
EXL04MEMS

Tgt Ion: 83 Resp: 279201

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.2



#27

1,2-Dichloroethane

Concen: 45.696 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU048463.D

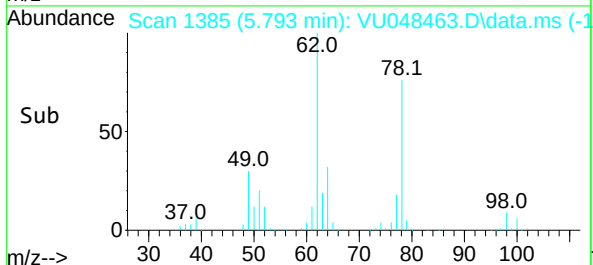
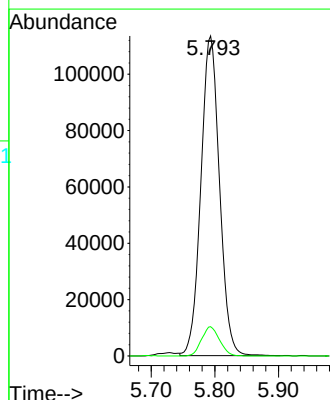
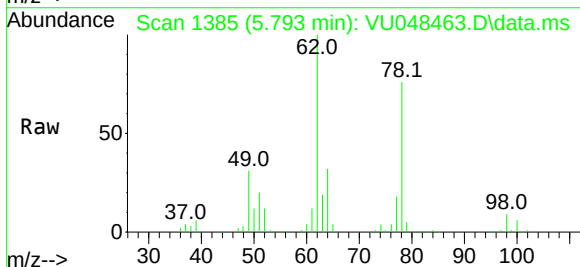
Acq: 06 May 2022 18:29

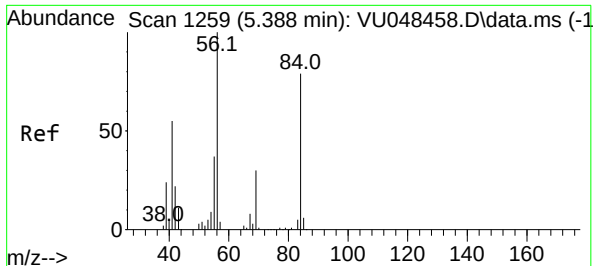
Tgt Ion: 62 Resp: 230451

Ion Ratio Lower Upper

62 100

98 9.1 6.8 10.2





#29

Cyclohexane

Concen: 44.178 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

Instrument :

MSVOA_U

ClientSampleId :

EXL04MEMS

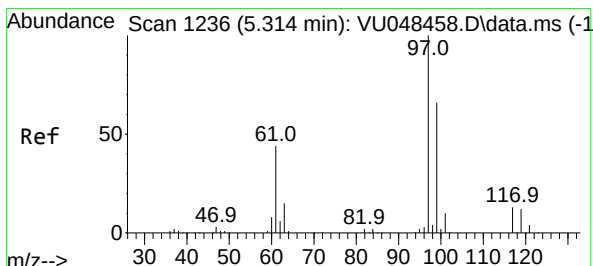
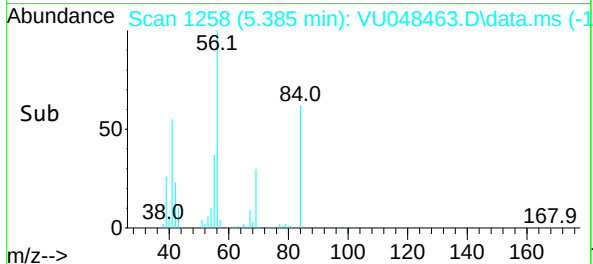
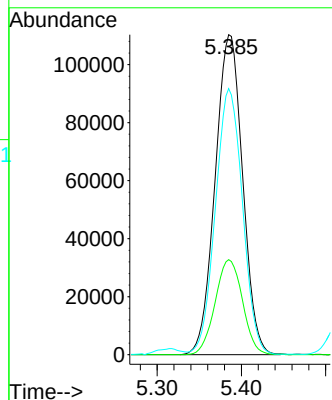
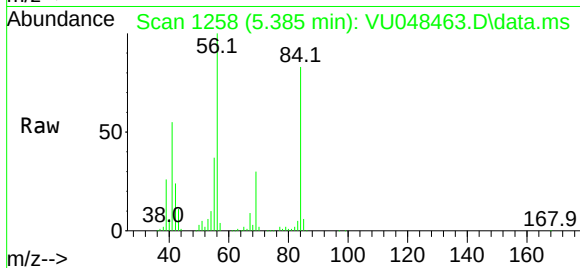
Tgt Ion: 56 Resp: 249687

Ion Ratio Lower Upper

56 100

69 29.6 23.4 35.0

84 82.2 65.5 98.3



#30

1,1,1-Trichloroethane

Concen: 43.741 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

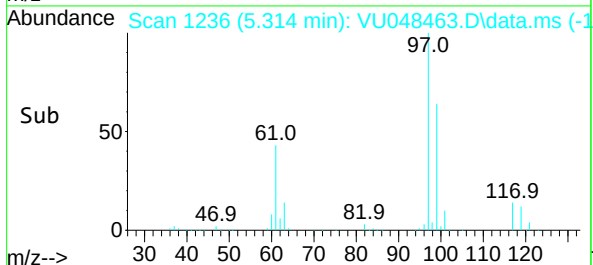
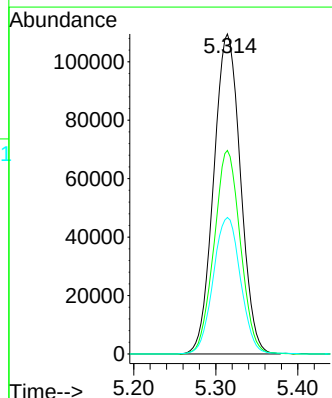
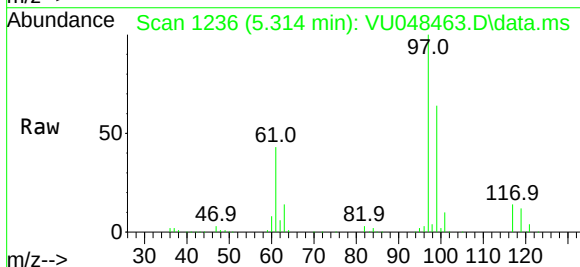
Tgt Ion: 97 Resp: 248796

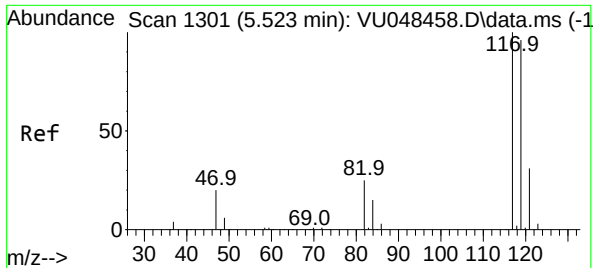
Ion Ratio Lower Upper

97 100

99 62.5 50.5 75.7

61 43.5 35.0 52.4

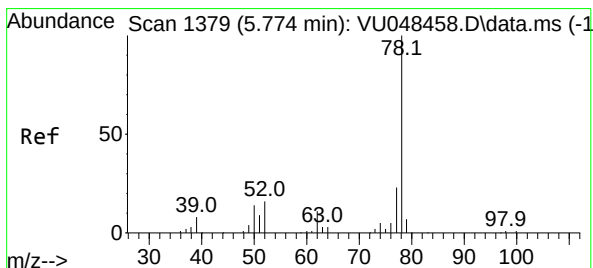
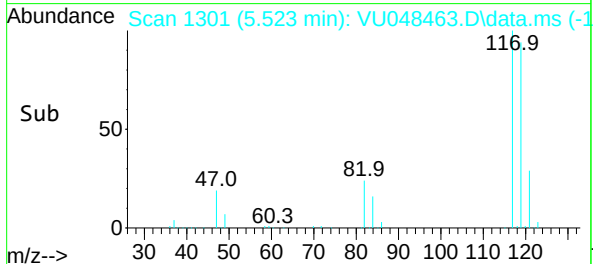
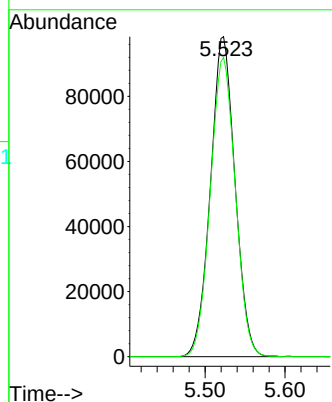
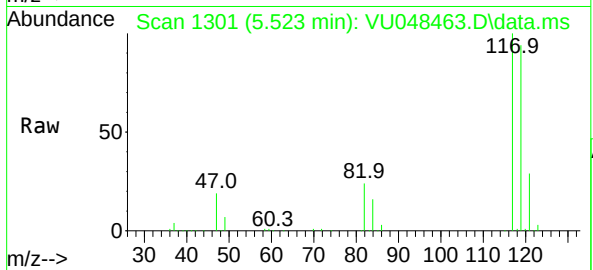




#31
Carbon tetrachloride
Concen: 43.119 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

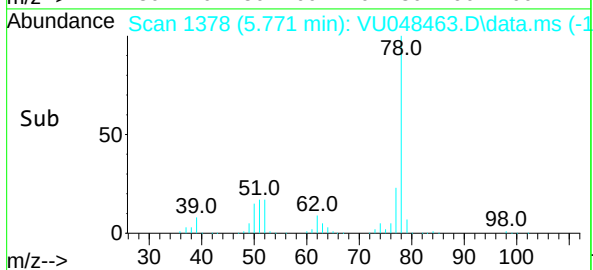
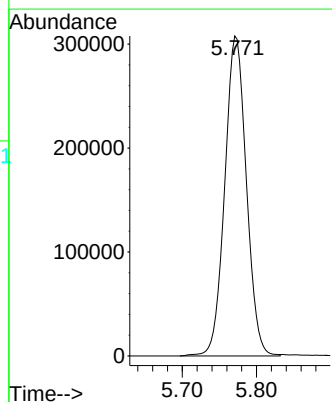
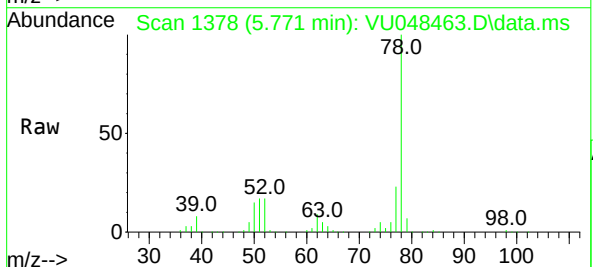
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

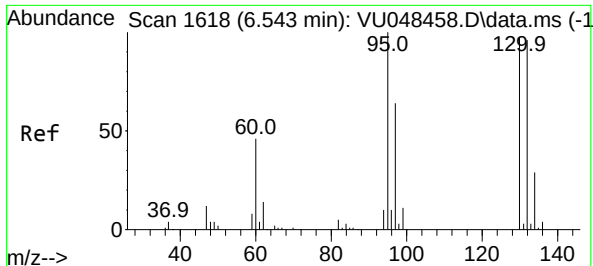
Tgt Ion:117 Resp: 210010
Ion Ratio Lower Upper
117 100
119 95.1 76.5 114.7



#33
Benzene
Concen: 44.140 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion: 78 Resp: 622467



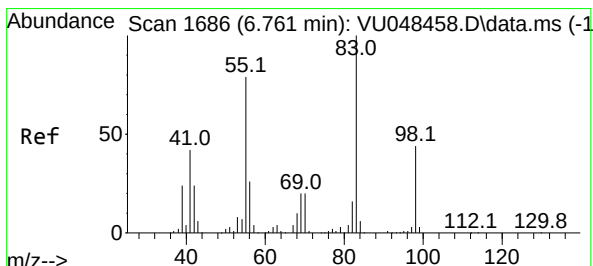
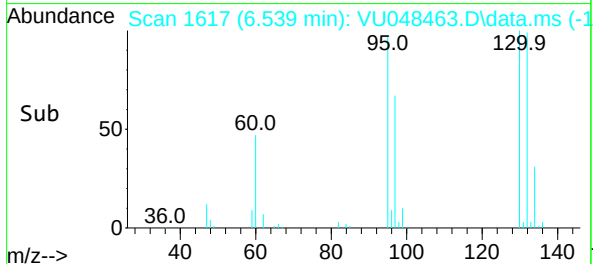
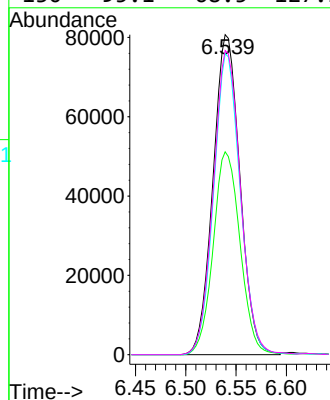
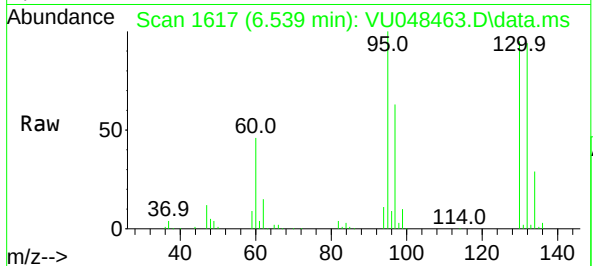


#34
Trichloroethene
Concen: 43.414 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

Tgt Ion: 95 Resp: 150493

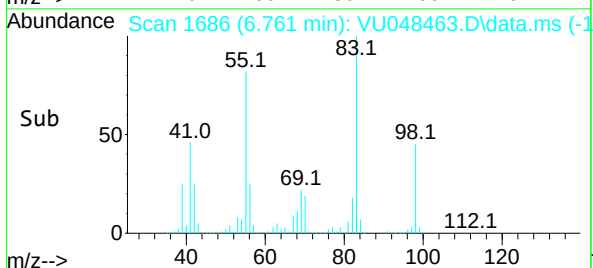
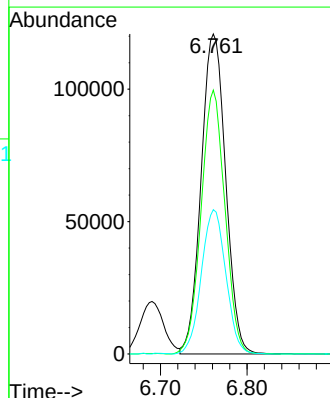
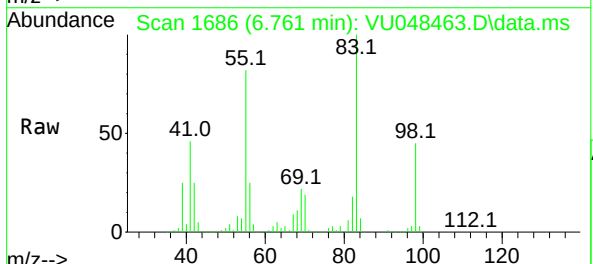
Ion	Ratio	Lower	Upper
95	100		
97	63.4	46.6	86.6
132	94.1	67.3	124.9
130	95.1	68.5	127.1

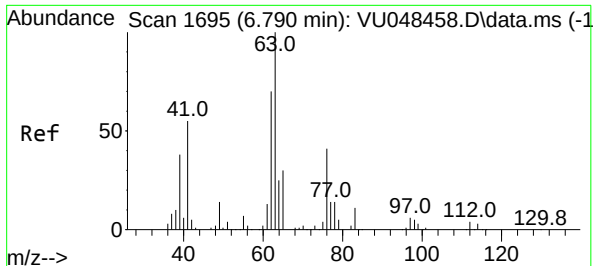


#35
Methylcyclohexane
Concen: 43.016 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion: 83 Resp: 237912

Ion	Ratio	Lower	Upper
83	100		
55	79.9	63.4	95.2
98	45.0	35.9	53.9





#37

1,2-Dichloropropane

Concen: 43.780 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

Instrument :

MSVOA_U

ClientSampleId :

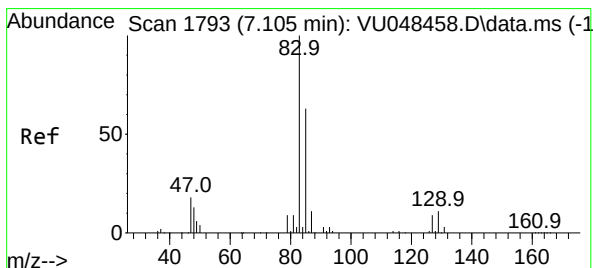
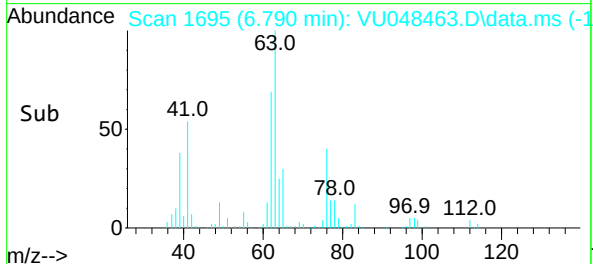
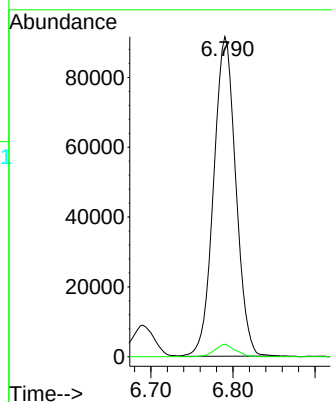
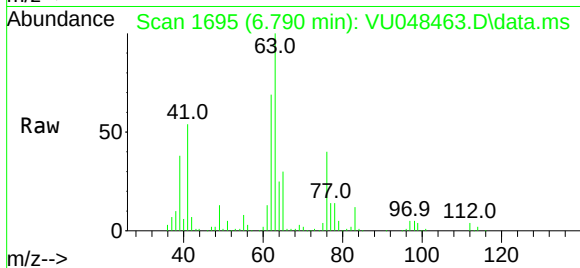
EXL04MEMS

Tgt Ion: 63 Resp: 172314

Ion Ratio Lower Upper

63 100

112 3.6 3.1 4.7



#38

Bromodichloromethane

Concen: 43.370 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

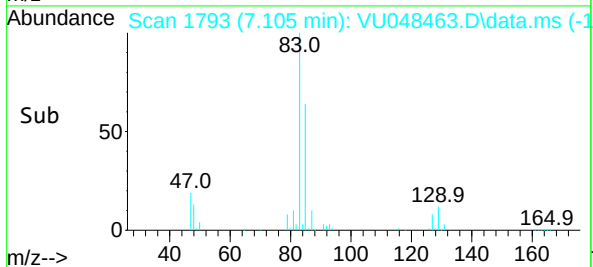
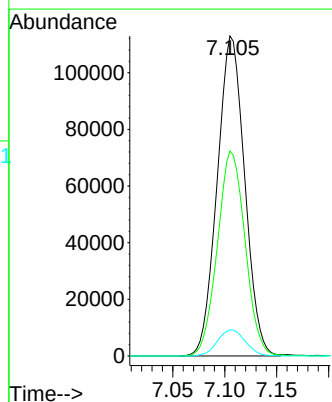
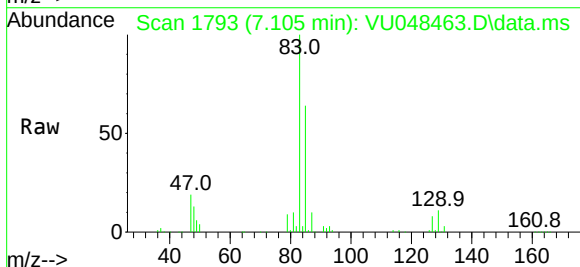
Tgt Ion: 83 Resp: 207851

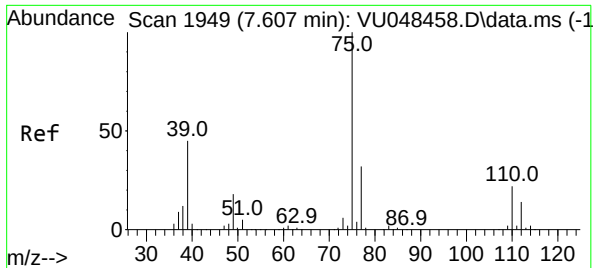
Ion Ratio Lower Upper

83 100

85 64.0 45.5 84.5

127 8.1 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 44.294 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

Instrument :

MSVOA_U

ClientSampleId :

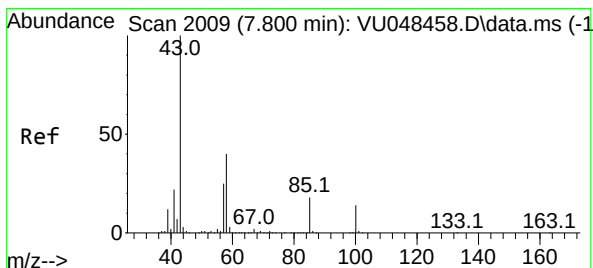
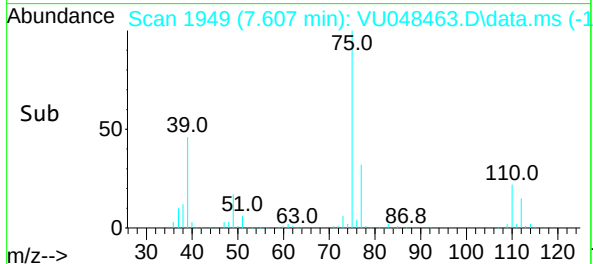
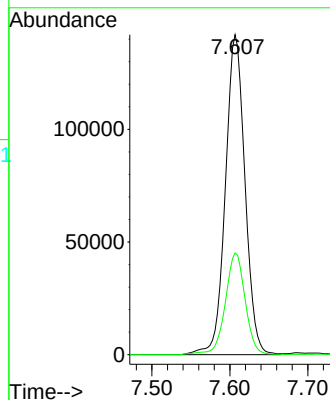
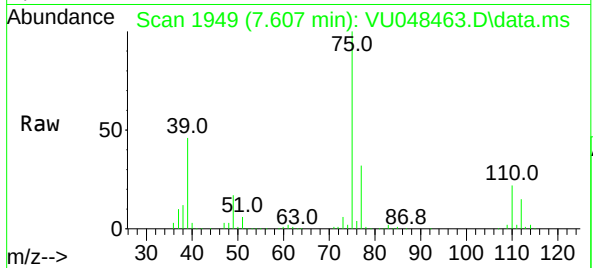
EXL04MEMS

Tgt Ion: 75 Resp: 247973

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 97.911 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. -0.003 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

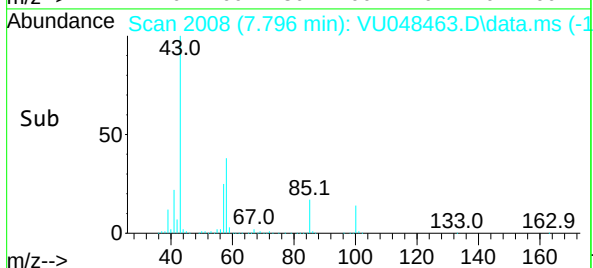
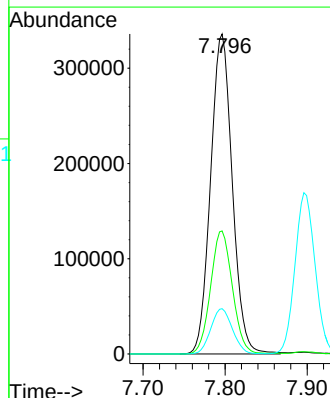
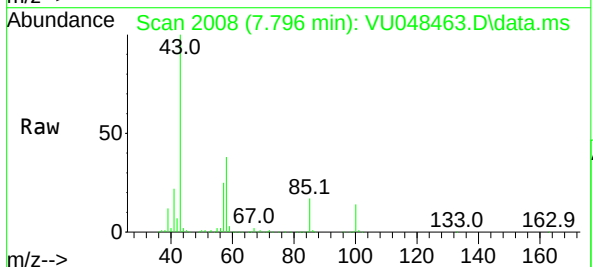
Tgt Ion: 43 Resp: 617463

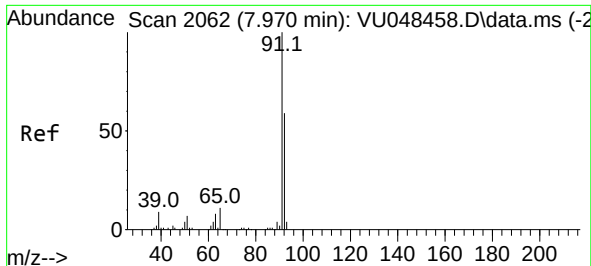
Ion Ratio Lower Upper

43 100

58 38.6 31.0 46.4

100 14.2 11.2 16.8





#42

Toluene

Concen: 44.639 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

Instrument :

MSVOA_U

ClientSampleId :

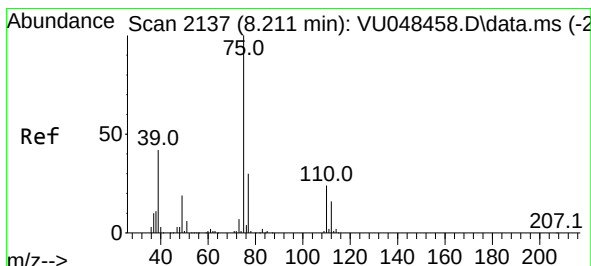
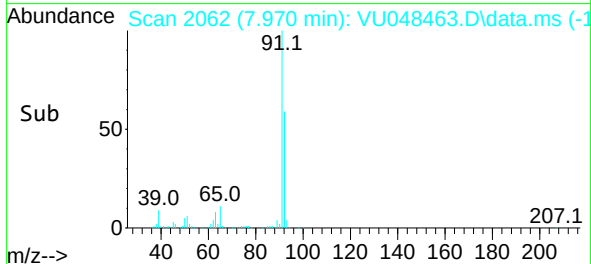
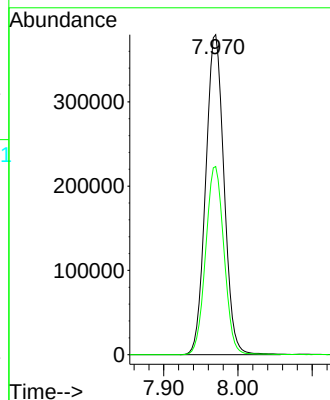
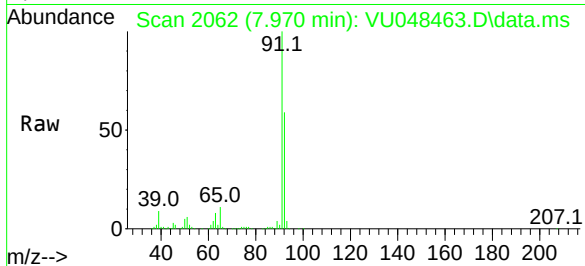
EXL04MEMS

Tgt Ion: 91 Resp: 649705

Ion Ratio Lower Upper

91 100

92 58.8 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 44.462 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048463.D

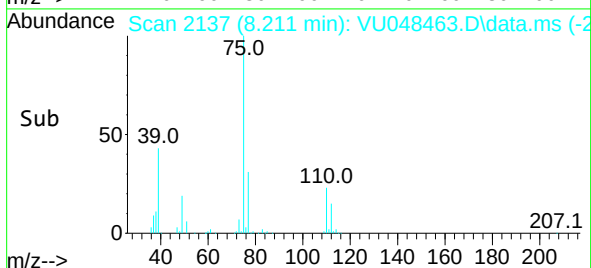
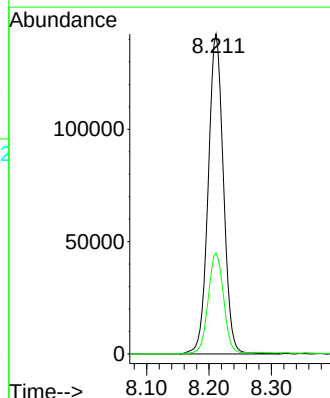
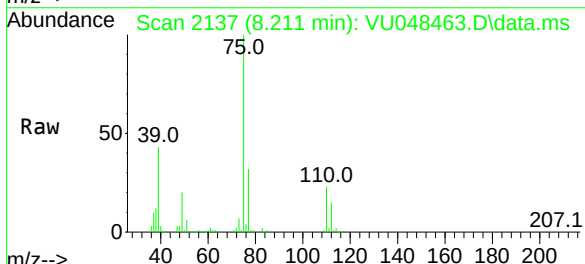
Acq: 06 May 2022 18:29

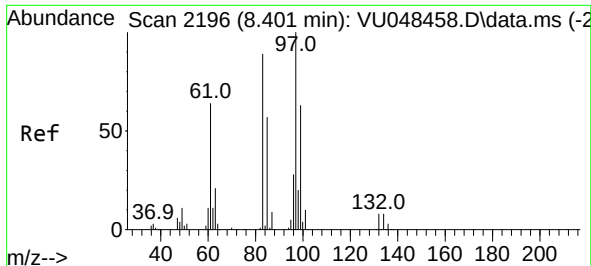
Tgt Ion: 75 Resp: 241893

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0

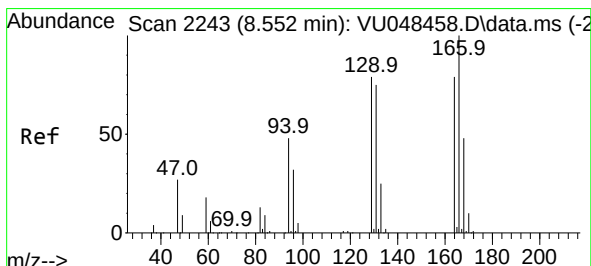
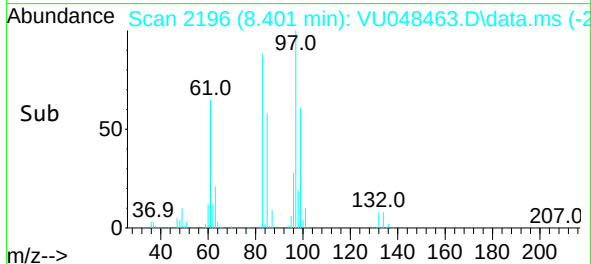
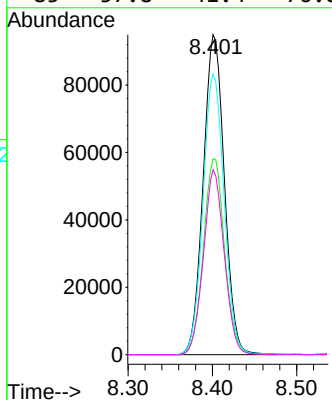
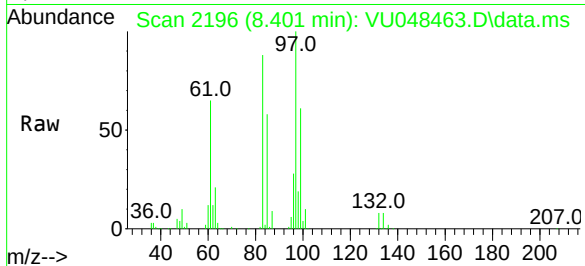




#45
1,1,2-Trichloroethane
Concen: 46.728 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

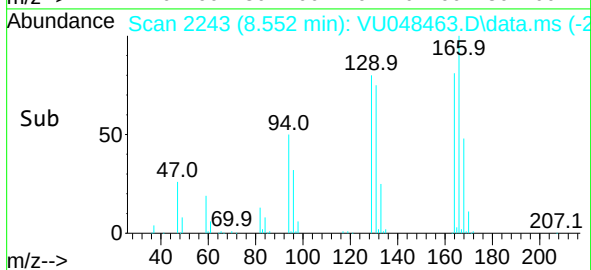
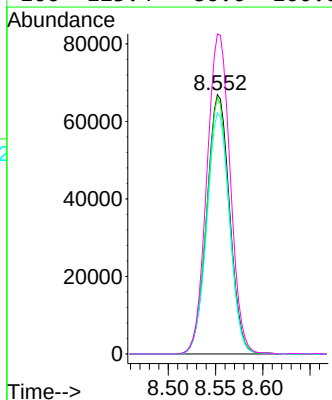
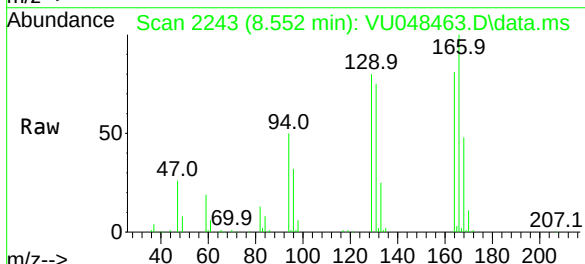
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

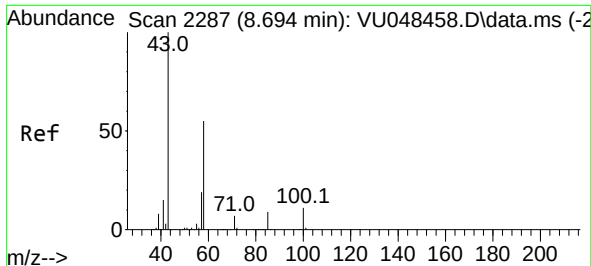
Tgt Ion:	97	Resp:	166325
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.5	80.9
83	87.7	60.5	112.5
85	57.8	41.4	76.8



#46
Tetrachloroethene
Concen: 43.164 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

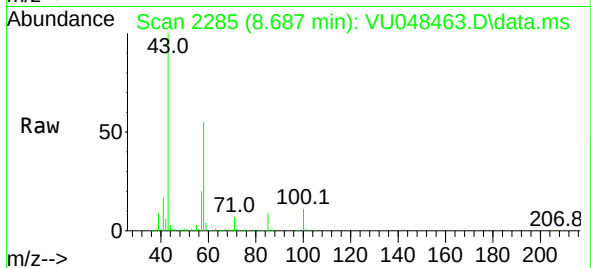
Tgt Ion:	164	Resp:	112403
Ion	Ratio	Lower	Upper
164	100		
129	99.0	69.2	128.6
131	92.9	65.2	121.0
166	123.4	86.6	160.8



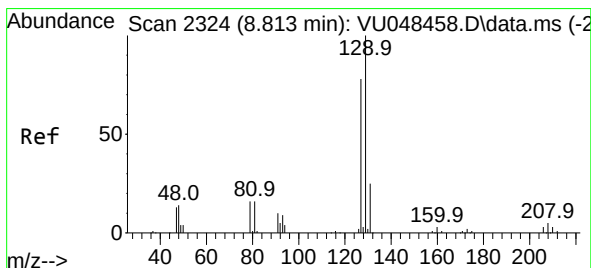
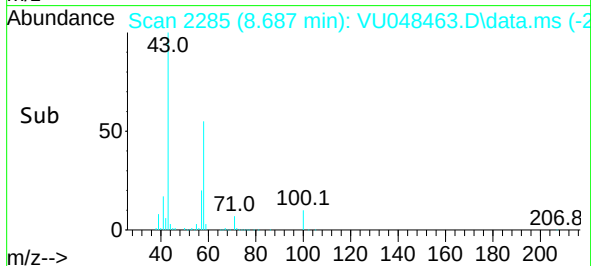
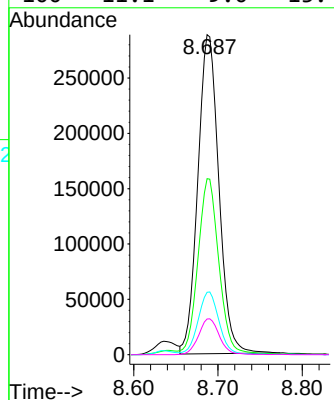


#48
2-Hexanone
Concen: 95.634 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.007 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

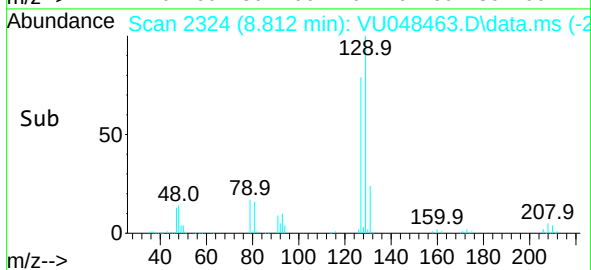
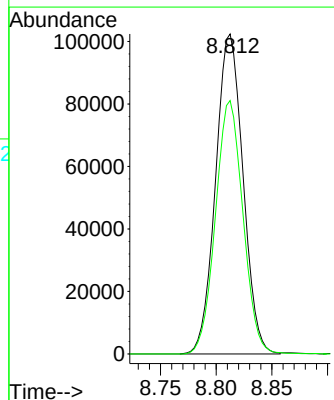
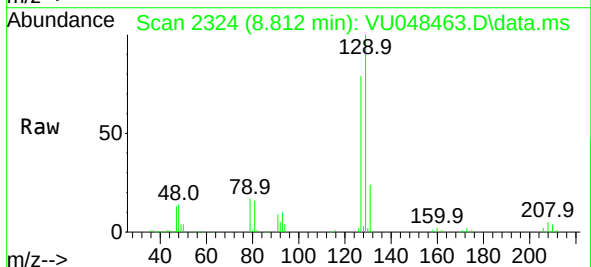


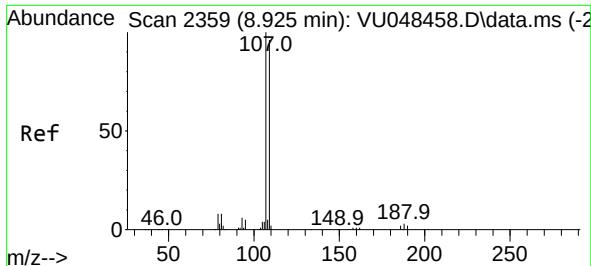
Tgt Ion:	43	Resp:	501220
Ion	Ratio	Lower	Upper
43	100		
58	54.0	44.3	66.5
57	19.8	15.7	23.5
100	11.1	9.0	13.4



#49
Dibromochloromethane
Concen: 45.920 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion:	129	Resp:	175530
Ion	Ratio	Lower	Upper
129	100		
127	79.2	55.2	102.4

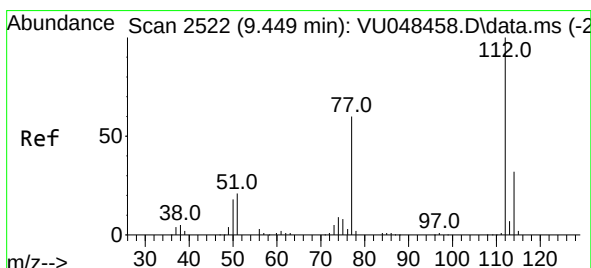
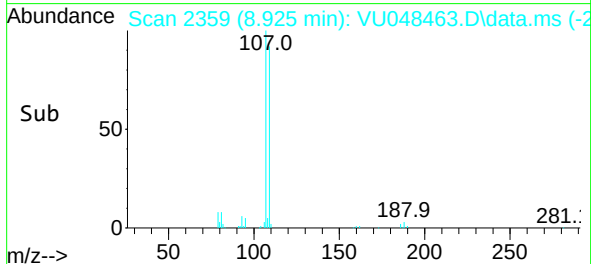
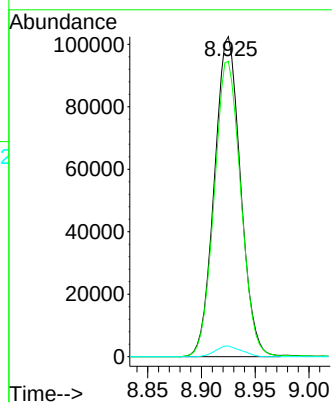
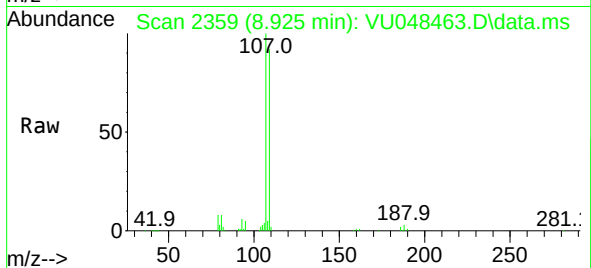




#50
1,2-Dibromoethane
Concen: 46.097 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

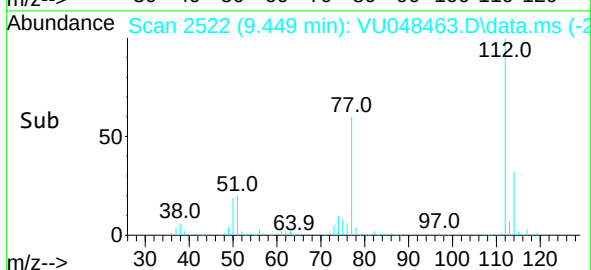
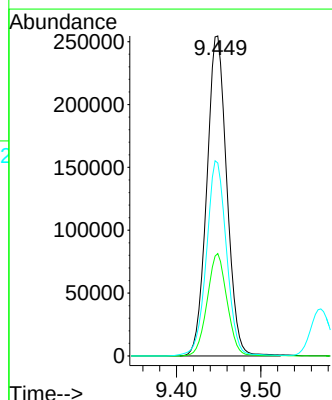
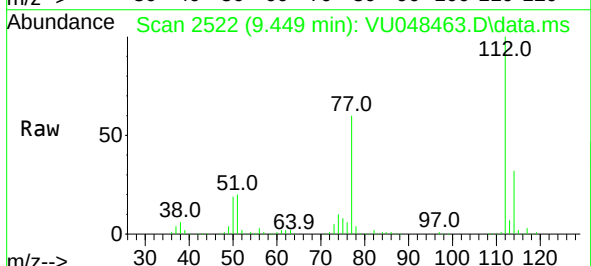
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

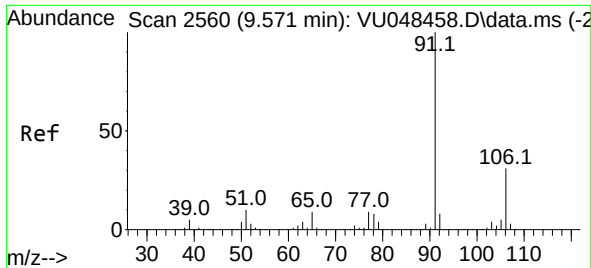
Tgt Ion:107 Resp: 173443
Ion Ratio Lower Upper
107 100
109 92.3 65.7 122.1
188 3.3 2.9 4.3



#51
Chlorobenzene
Concen: 45.909 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion:112 Resp: 421017
Ion Ratio Lower Upper
112 100
114 32.0 23.0 42.6
77 60.3 48.4 72.6

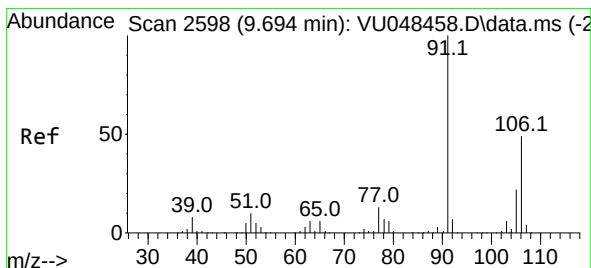
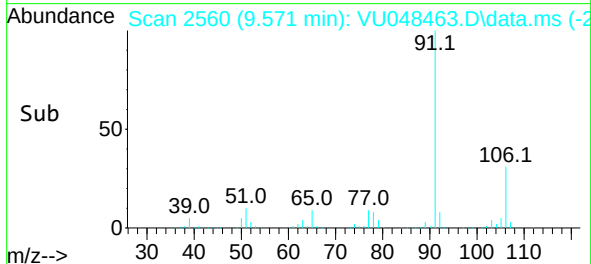
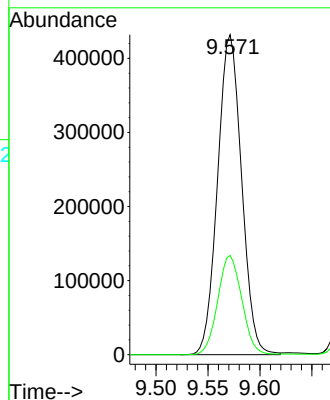
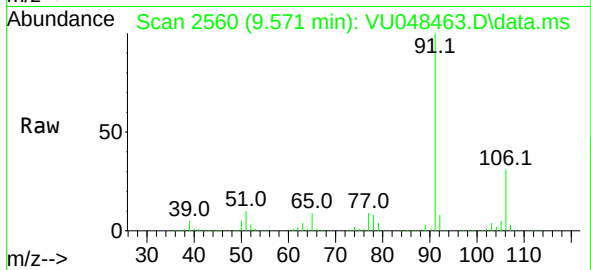




#52
Ethylbenzene
Concen: 45.748 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

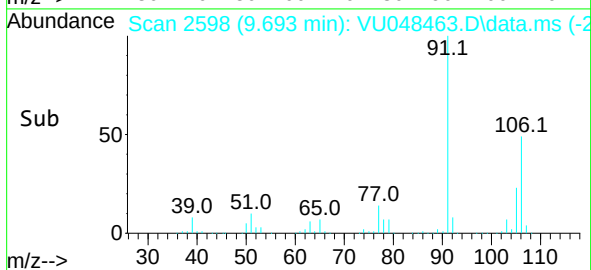
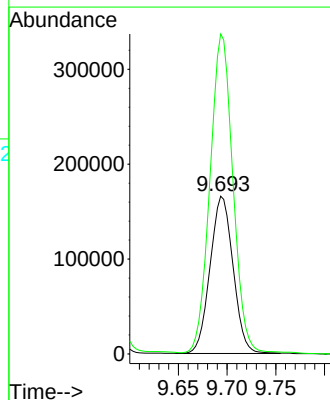
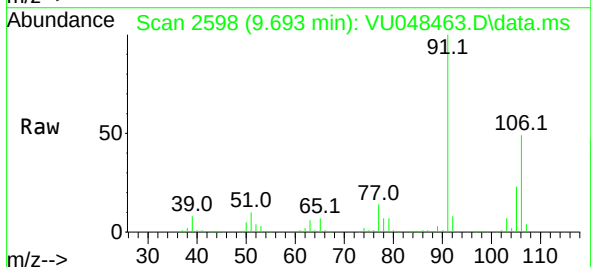
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

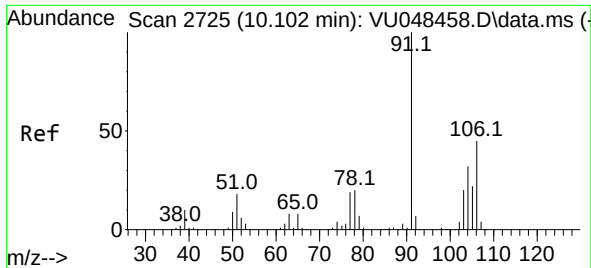
Tgt Ion: 91 Resp: 693604
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3



#53
m,p-Xylene
Concen: 46.536 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion: 106 Resp: 272342
Ion Ratio Lower Upper
106 100
91 202.9 144.1 267.7

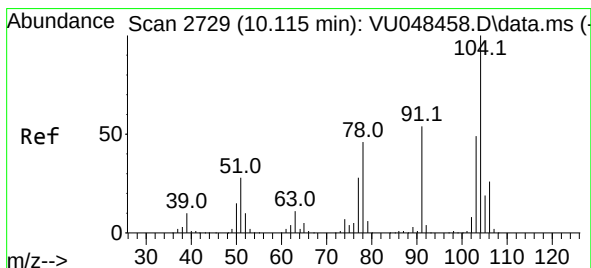
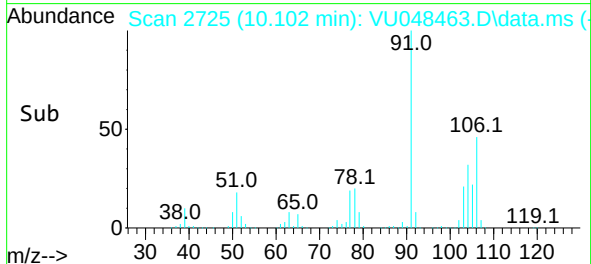
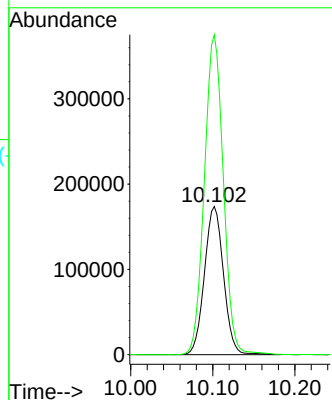
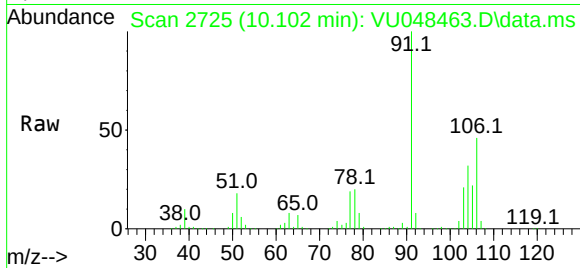




#54
o-Xylene
Concen: 47.662 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

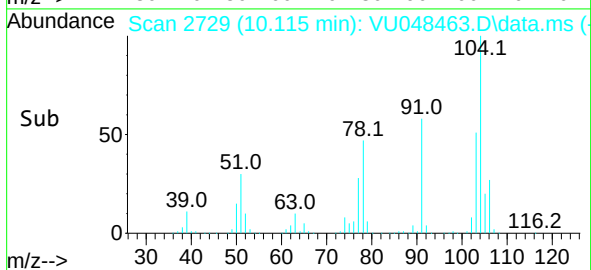
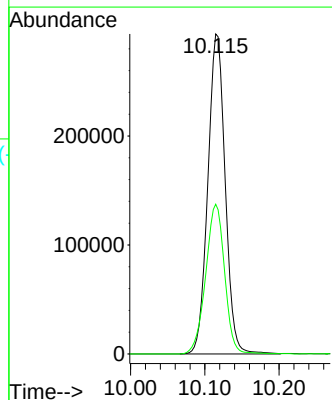
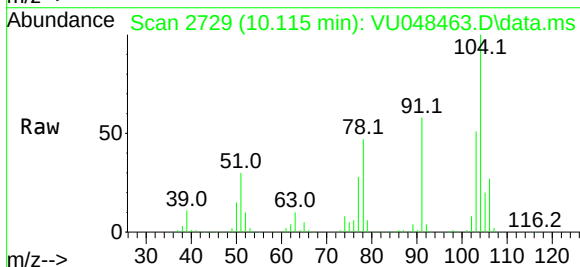
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

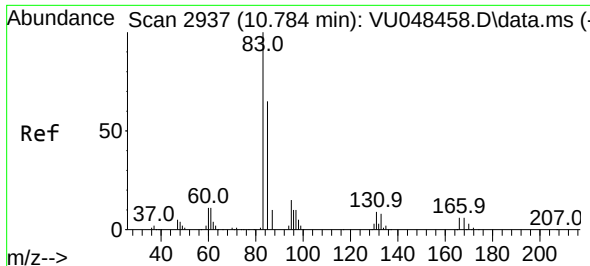
Tgt Ion:106 Resp: 280627
Ion Ratio Lower Upper
106 100
91 215.9 148.8 276.4



#55
Styrene
Concen: 49.744 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion:104 Resp: 476195
Ion Ratio Lower Upper
104 100
78 46.8 33.4 62.0

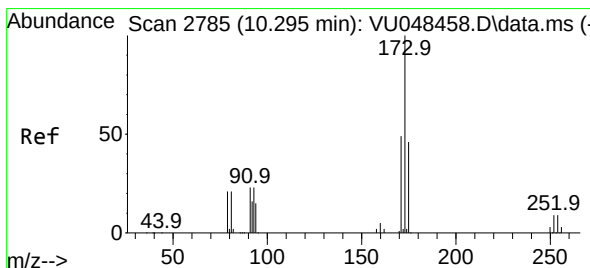
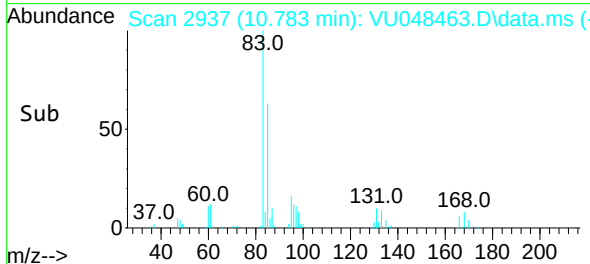
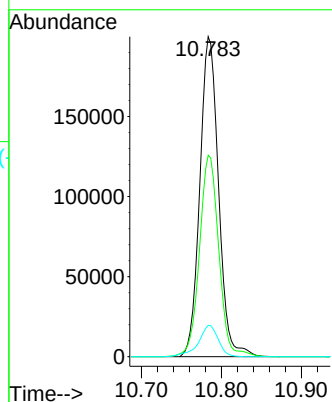
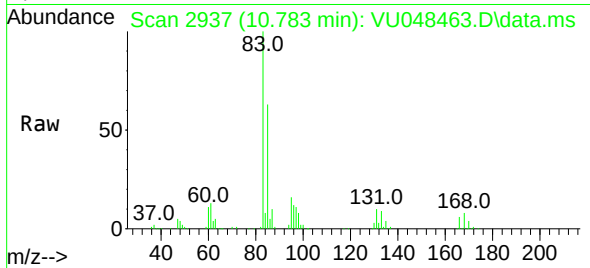




#57
1,1,2,2-Tetrachloroethane
Concen: 48.821 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

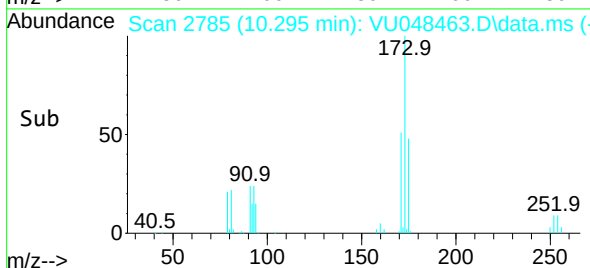
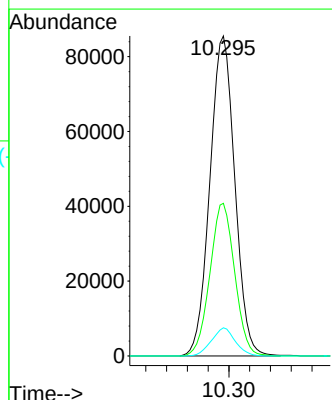
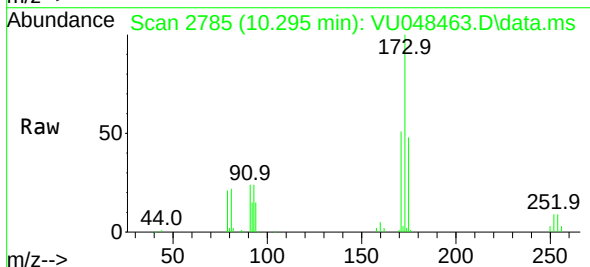
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

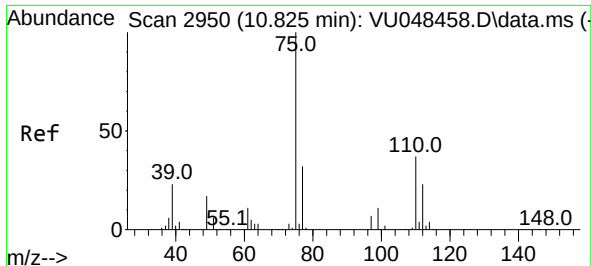
Tgt Ion: 83 Resp: 325692
Ion Ratio Lower Upper
83 100
85 63.0 45.4 84.4
131 9.8 7.4 11.0



#59
Bromoform
Concen: 46.316 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion:173 Resp: 142442
Ion Ratio Lower Upper
173 100
175 47.3 39.1 58.7
254 8.4 7.3 10.9

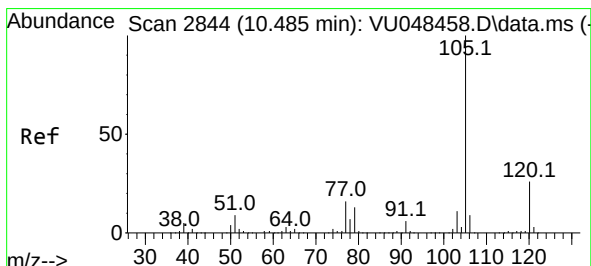
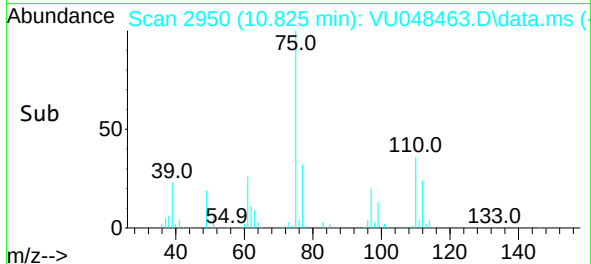
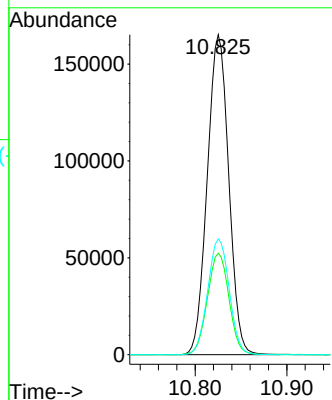
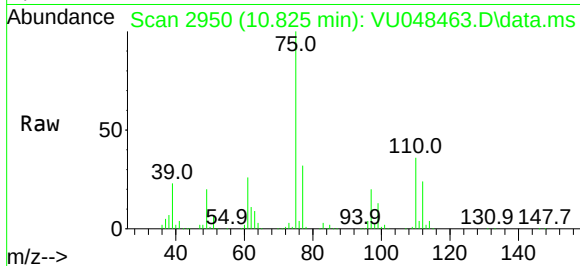




#60
1,2,3-Trichloropropane
Concen: 47.543 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

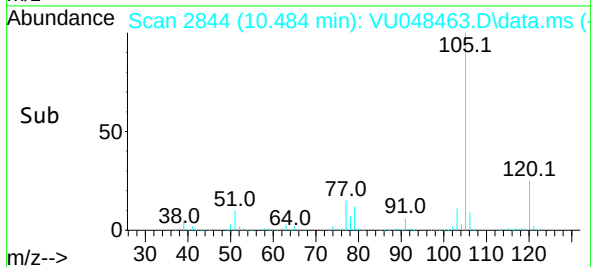
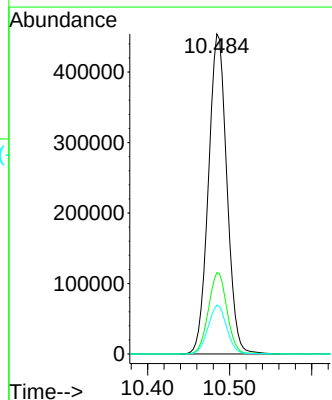
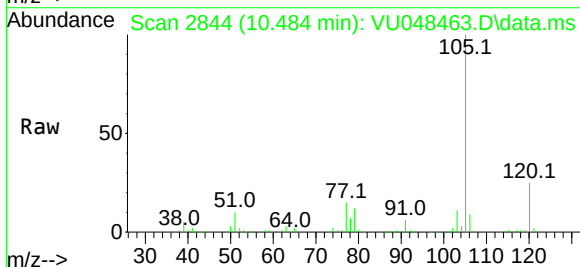
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

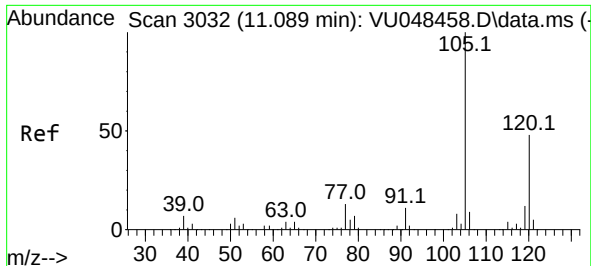
Tgt Ion: 75 Resp: 269116
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
110 36.3 28.9 43.3



#61
Isopropylbenzene
Concen: 46.689 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion: 105 Resp: 709448
Ion Ratio Lower Upper
105 100
120 25.5 21.0 31.4
77 15.5 12.5 18.7

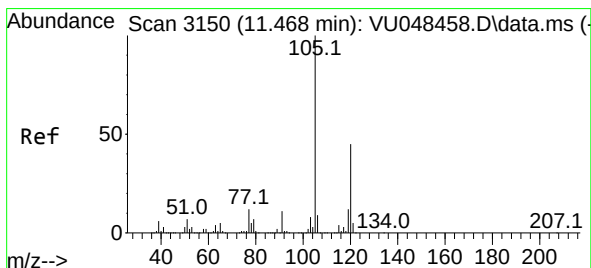
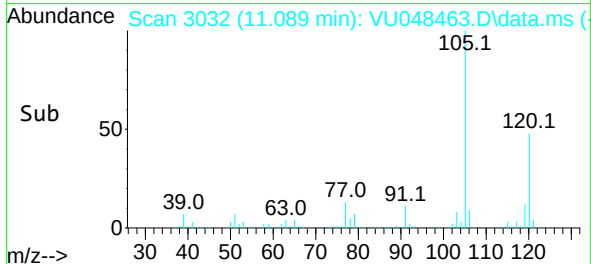
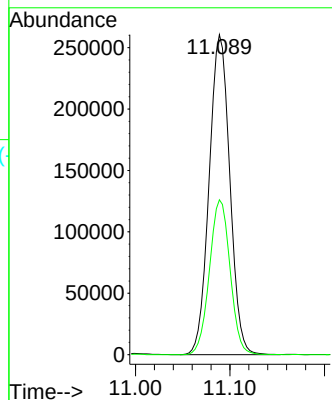
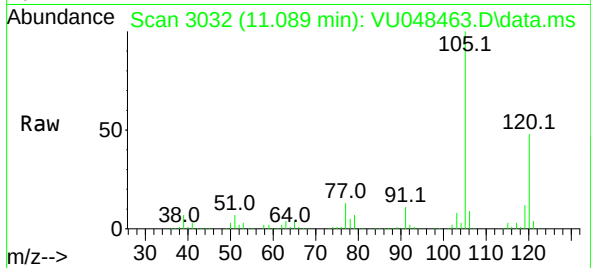




#62
1,3,5-Trimethylbenzene
Concen: 47.207 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

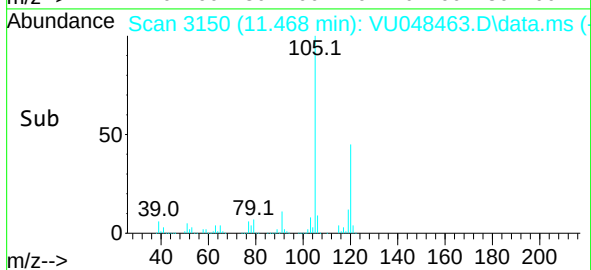
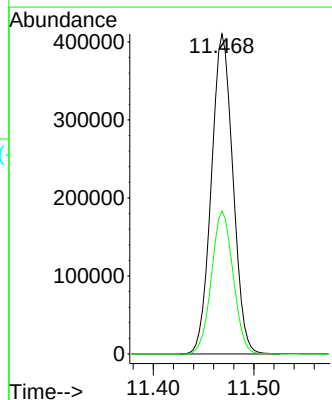
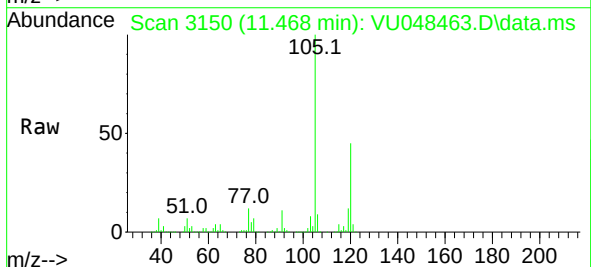
Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

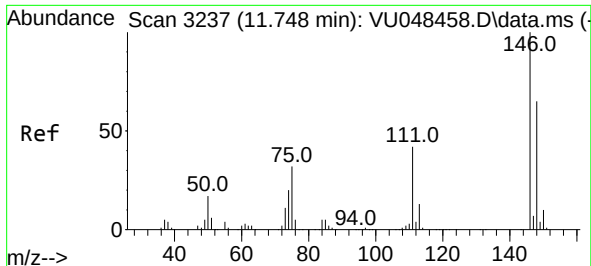
Tgt Ion:105 Resp: 395427
Ion Ratio Lower Upper
105 100
120 48.4 38.5 57.7



#63
1,2,4-Trimethylbenzene
Concen: 49.029 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion:105 Resp: 611621
Ion Ratio Lower Upper
105 100
120 44.8 35.4 53.2

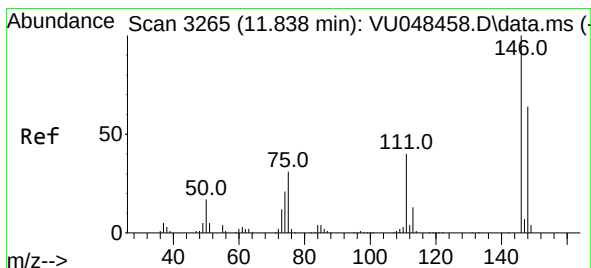
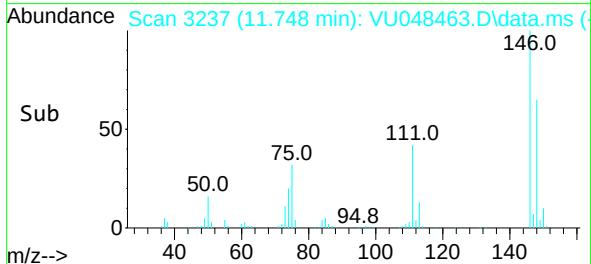
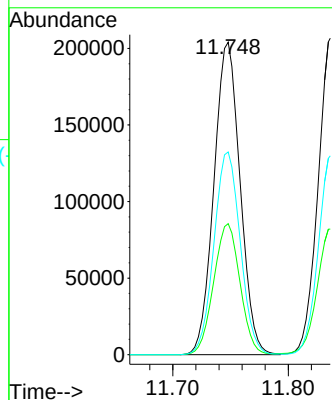
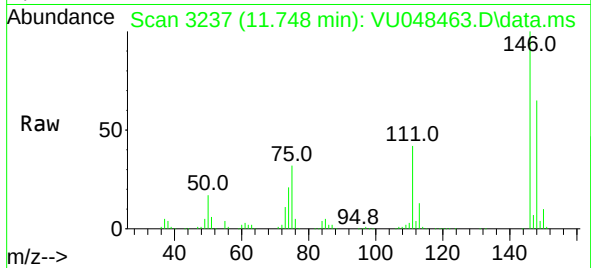




#64
 1,3-Dichlorobenzene
 Concen: 44.894 ug/L
 RT: 11.748 min Scan# 3237
 Delta R.T. -0.000 min
 Lab File: VU048463.D
 Acq: 06 May 2022 18:29

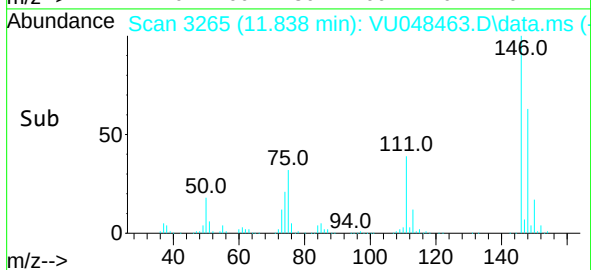
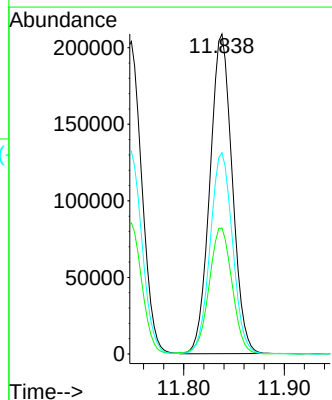
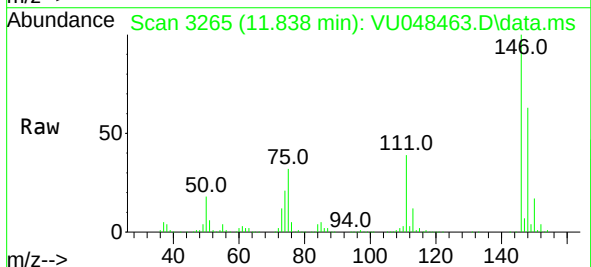
Instrument :
 MSVOA_U
 ClientSampleId :
 EXL04MEMS

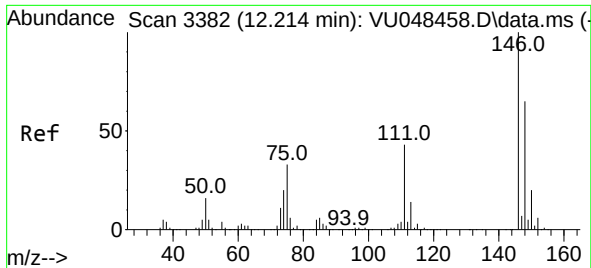
Tgt Ion:146 Resp: 321734
 Ion Ratio Lower Upper
 146 100
 111 41.9 28.3 52.7
 148 64.9 44.7 83.1



#65
 1,4-Dichlorobenzene
 Concen: 44.879 ug/L
 RT: 11.838 min Scan# 3265
 Delta R.T. -0.000 min
 Lab File: VU048463.D
 Acq: 06 May 2022 18:29

Tgt Ion:146 Resp: 322466
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.4 52.8
 148 62.9 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 45.100 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

Instrument :

MSVOA_U

ClientSampleId :

EXL04MEMS

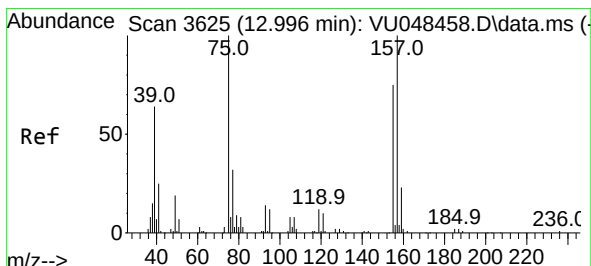
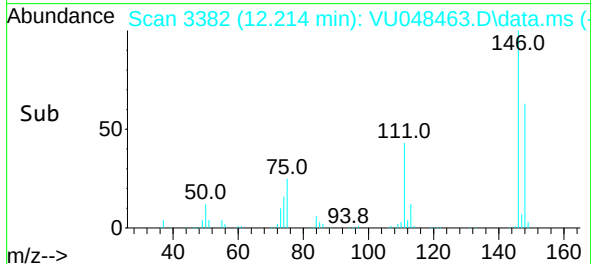
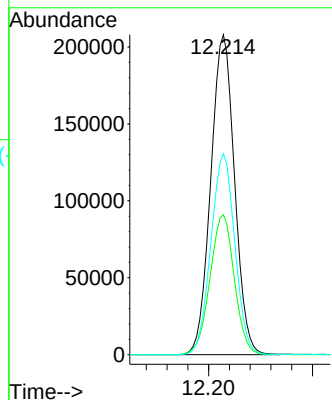
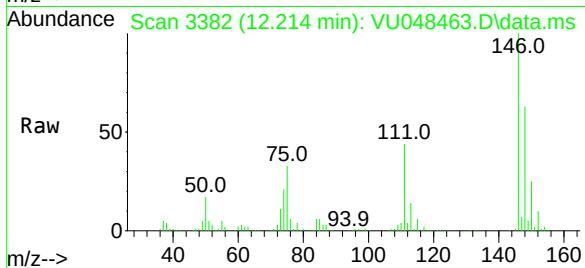
Tgt Ion:146 Resp: 330755

Ion Ratio Lower Upper

146 100

111 43.7 34.9 52.3

148 62.8 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 43.286 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

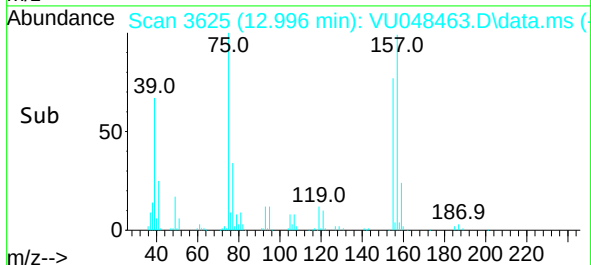
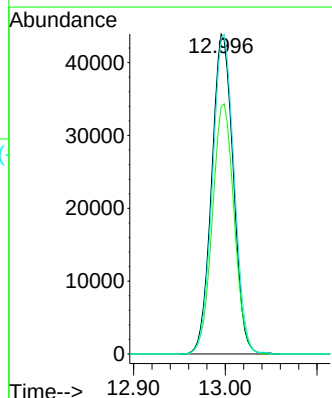
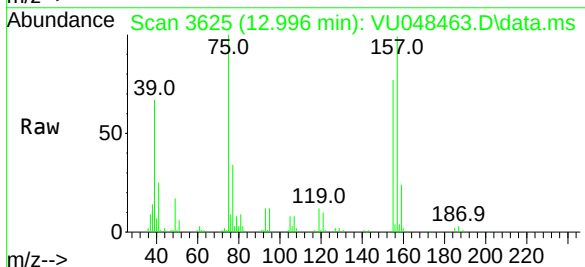
Tgt Ion: 75 Resp: 71814

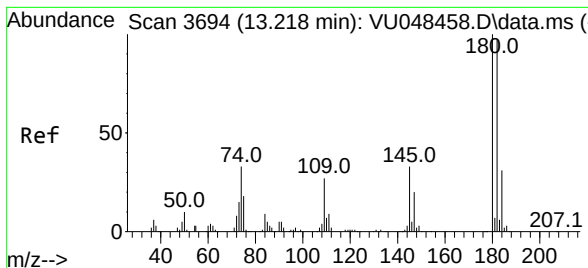
Ion Ratio Lower Upper

75 100

155 77.3 63.4 95.0

157 98.6 82.2 123.2





#69

1,3,5-Trichlorobenzene

Concen: 43.244 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.003 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

Instrument :

MSVOA_U

ClientSampleId :

EXL04MEMS

Tgt Ion:180 Resp: 219123

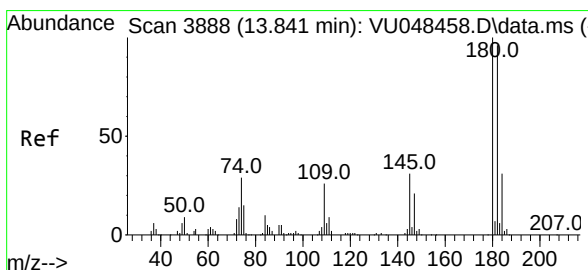
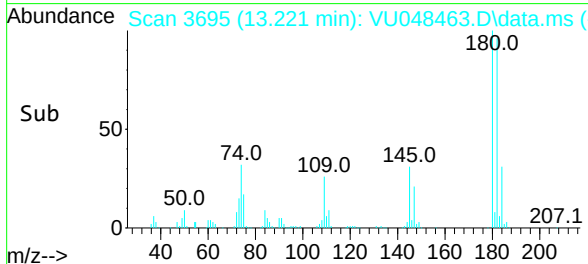
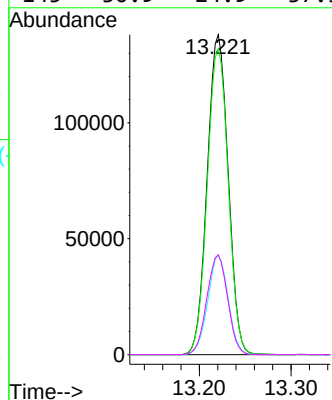
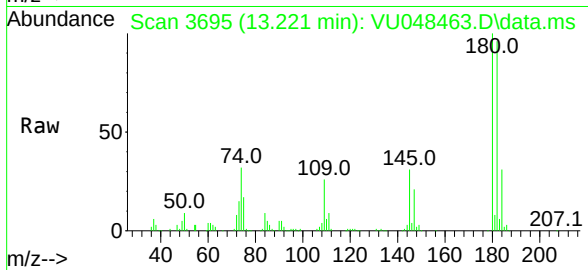
Ion Ratio Lower Upper

180 100

182 95.8 75.7 113.5

184 30.3 23.8 35.8

145 30.9 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 40.215 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU048463.D

Acq: 06 May 2022 18:29

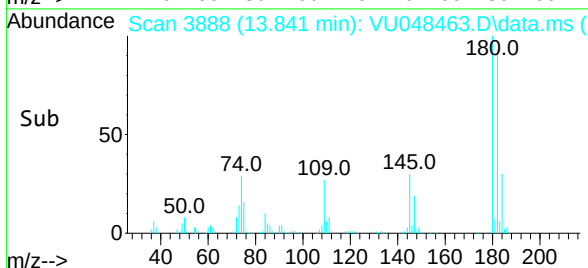
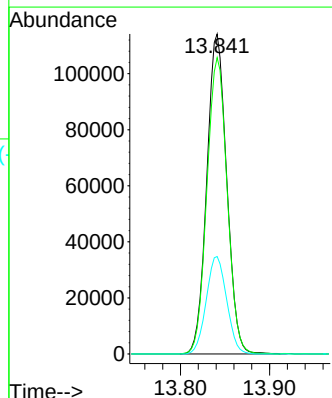
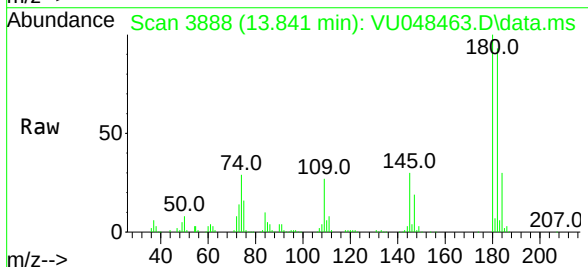
Tgt Ion:180 Resp: 176964

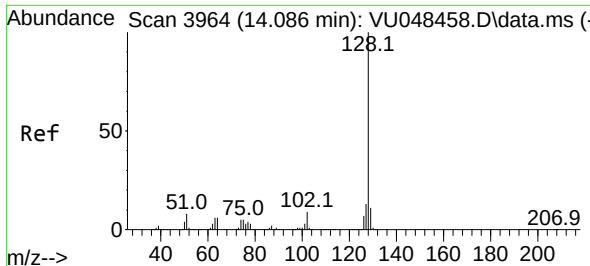
Ion Ratio Lower Upper

180 100

182 94.2 77.1 115.7

145 31.2 24.9 37.3

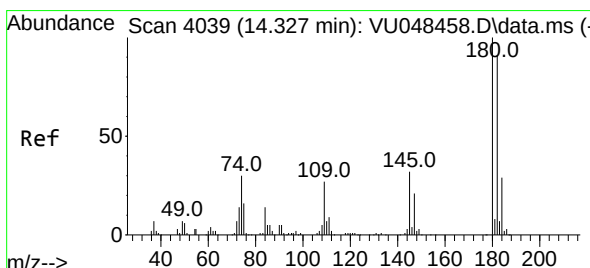
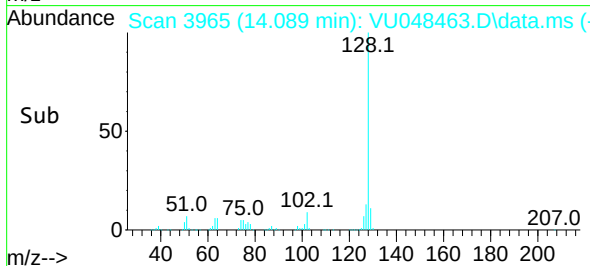
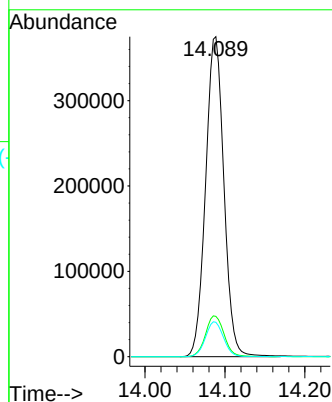
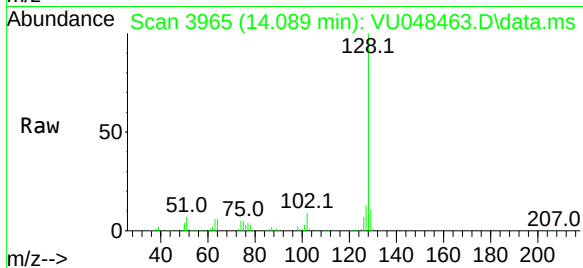




#71
Naphthalene
Concen: 35.242 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Instrument :
MSVOA_U
ClientSampleId :
EXL04MEMS

Tgt Ion:128 Resp: 597217
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 39.181 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU048463.D
Acq: 06 May 2022 18:29

Tgt Ion:180 Resp: 183374
Ion Ratio Lower Upper
180 100
182 93.5 75.4 113.2
145 33.2 26.4 39.6

