

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071422\
 Data File : VU049708.D
 Acq On : 14 Jul 2022 09:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.1mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050163

Quant Time: Jul 15 03:58:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 14 05:07:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	202362	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	194319	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	99025	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	75478	44.206	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.420%
7) Chloroethane-d5	1.903	69	57921	46.930	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.860%
11) 1,1-Dichloroethene-d2	2.565	63	138645	45.971	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.940%
21) 2-Butanone-d5	4.620	46	155327	106.566	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.570%
24) Chloroform-d	5.063	84	157832	52.191	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.380%
26) 1,2-Dichloroethane-d4	5.703	65	104036	50.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.660%
32) Benzene-d6	5.726	84	287971	48.781	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.560%
36) 1,2-Dichloropropane-d6	6.690	67	101591	51.163	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.320%
41) Toluene-d8	7.899	98	252931	49.199	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.400%
43) trans-1,3-Dichloroprop...	8.179	79	42092	50.313	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.620%
47) 2-Hexanone-d5	8.632	63	94328	105.608	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.610%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	145482	52.363	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.720%
66) 1,2-Dichlorobenzene-d4	12.192	152	94574	50.654	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	113484	46.784	ug/L	98
3) Chloromethane	1.520	50	124661	46.826	ug/L	98
5) Vinyl chloride	1.604	62	110137	45.782	ug/L	98
6) Bromomethane	1.838	94	55086	49.560	ug/L	98
8) Chloroethane	1.922	64	61407	46.079	ug/L	99
9) Trichlorofluoromethane	2.131	101	143012	48.137	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	74229	47.615	ug/L	99
12) 1,1-Dichloroethene	2.578	96	66429	45.914	ug/L	97
13) Acetone	2.623	43	157384	113.618	ug/L	97
14) Carbon disulfide	2.790	76	206734	42.372	ug/L	98
15) Methyl Acetate	2.944	43	111484	49.539	ug/L	99
16) Methylene chloride	3.041	84	87012	47.757	ug/L	97
17) trans-1,2-Dichloroethene	3.349	96	72510	45.813	ug/L	99
18) Methyl tert-butyl Ether	3.362	73	264045	48.706	ug/L	99
19) 1,1-Dichloroethane	3.867	63	160882	48.825	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	83705	47.057	ug/L	100
22) 2-Butanone	4.700	43	197906	106.712	ug/L	100
23) Bromochloromethane	4.973	128	43888	49.448	ug/L	97
25) Chloroform	5.086	83	164015	49.639	ug/L	99

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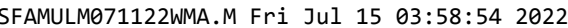
Instrument :
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 ClientSampleId :
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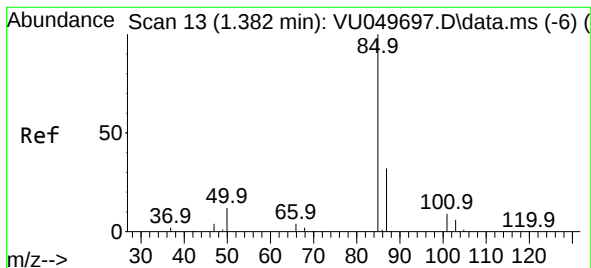
Quant Time: Jul 15 03:58:42 2022
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 Quant Title : VOC Analysis
 QLast Update : Thu Jul 14 05:07:30 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	137343	48.815	ug/L	100
29) Cyclohexane	5.388	56	137411	45.304	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	136240	48.429	ug/L	100
31) Carbon tetrachloride	5.523	117	110548	48.046	ug/L	98
33) Benzene	5.774	78	346597	47.452	ug/L	100
34) Trichloroethene	6.542	95	84511	47.866	ug/L	94
35) Methylcyclohexane	6.761	83	131664	47.456	ug/L	99
37) 1,2-Dichloropropane	6.790	63	97921	48.367	ug/L	100
38) Bromodichloromethane	7.105	83	121478	48.396	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	136678	50.058	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	315089	96.138	ug/L	99
42) Toluene	7.970	91	354084	48.776	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	128652	50.182	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	86120	48.735	ug/L	99
46) Tetrachloroethene	8.552	164	58348	47.649	ug/L	98
48) 2-Hexanone	8.684	43	265571	101.398	ug/L	99
49) Dibromochloromethane	8.809	129	89001	50.075	ug/L	96
50) 1,2-Dibromoethane	8.925	107	89099	50.758	ug/L	99
51) Chlorobenzene	9.446	112	211204	48.043	ug/L	99
52) Ethylbenzene	9.571	91	370284	48.337	ug/L	99
53) m,p-Xylene	9.693	106	136457	48.988	ug/L	99
54) o-Xylene	10.102	106	138641	49.431	ug/L	97
55) Styrene	10.115	104	235411	50.859	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	156487	49.471	ug/L	99
59) Bromoform	10.291	173	65554	49.357	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	126033	47.783	ug/L	99
61) Isopropylbenzene	10.484	105	358354	48.465	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	308236	49.421	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	306051	49.394	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	156384	48.449	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	154933	47.784	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	164904	49.132	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	37802	48.912	ug/L	99
69) 1,3,5-Trichlorobenzene	13.220	180	114499	50.623	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	97433	46.942	ug/L	98
71) Naphthalene	14.085	128	346123	46.648	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	106281	49.433	ug/L	98

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

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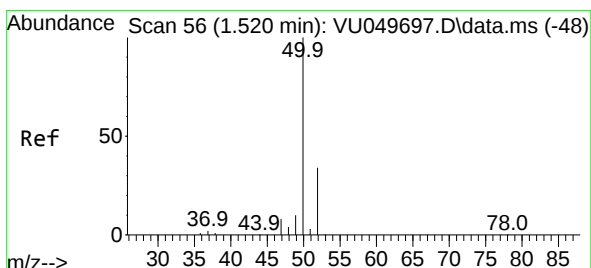
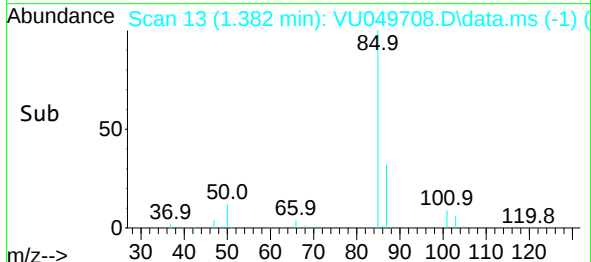
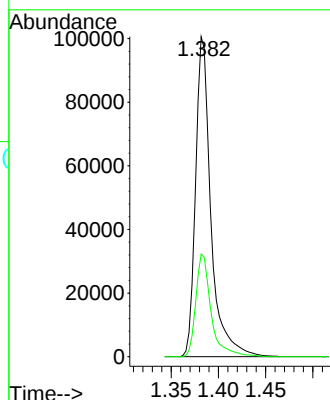
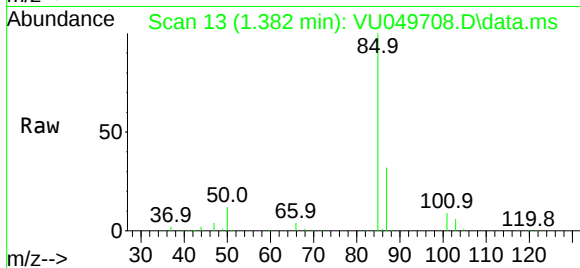




#2
Dichlorodifluoromethane
Concen: 46.784 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

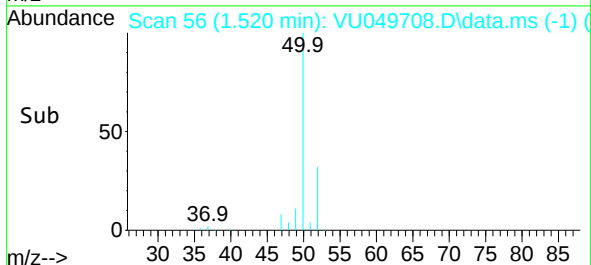
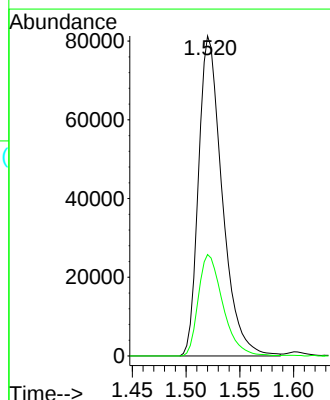
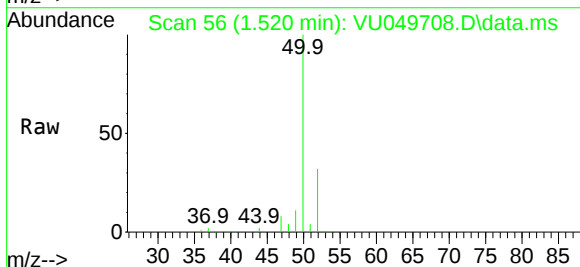
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

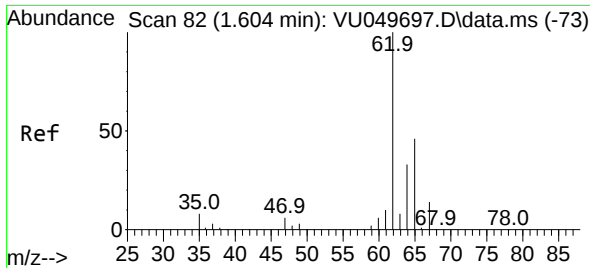
Tgt Ion: 85 Resp: 113484
Ion Ratio Lower Upper
85 100
87 32.0 26.3 39.5



#3
Chloromethane
Concen: 46.826 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt Ion: 50 Resp: 124661
Ion Ratio Lower Upper
50 100
52 31.7 23.2 43.0

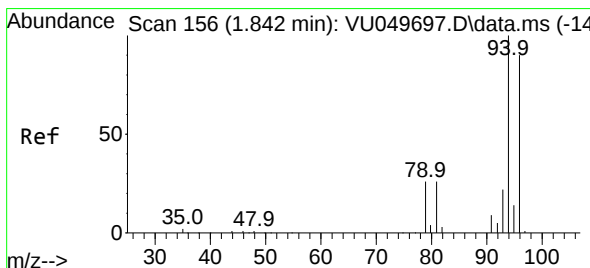
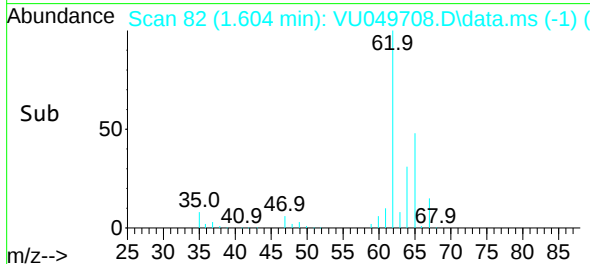
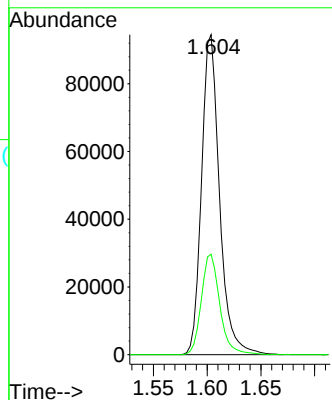
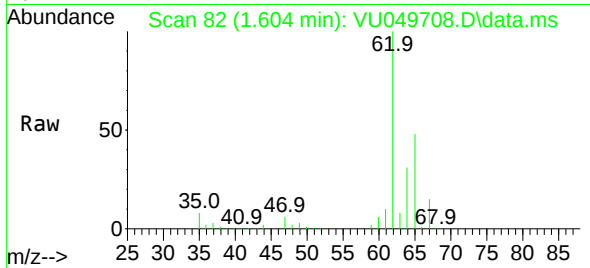




#5
 Vinyl chloride
 Concen: 45.782 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049708.D
 Acq: 14 Jul 2022 09:28

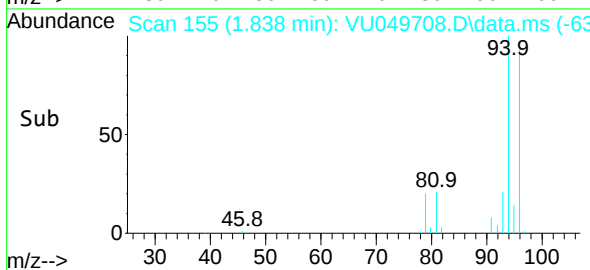
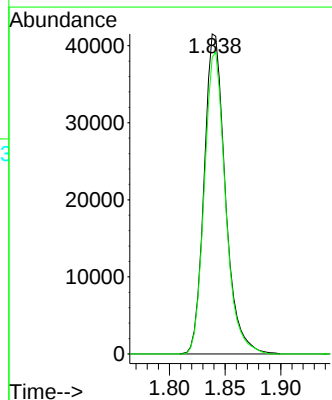
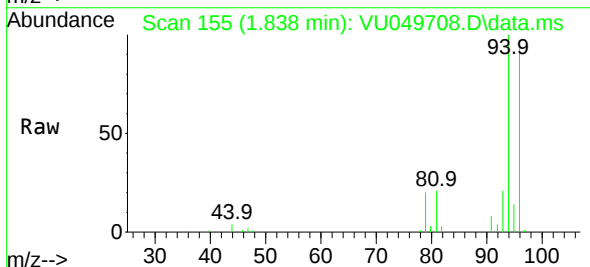
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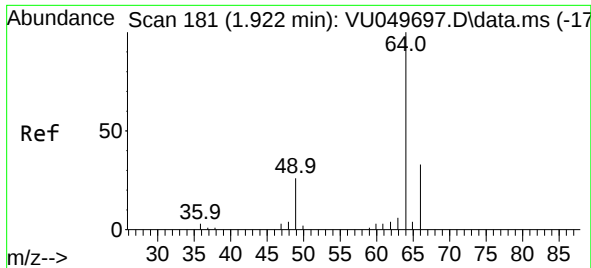
Tgt Ion: 62 Resp: 110137
 Ion Ratio Lower Upper
 62 100
 64 31.4 23.0 42.6



#6
 Bromomethane
 Concen: 49.560 ug/L
 RT: 1.838 min Scan# 155
 Delta R.T. -0.003 min
 Lab File: VU049708.D
 Acq: 14 Jul 2022 09:28

Tgt Ion: 94 Resp: 55086
 Ion Ratio Lower Upper
 94 100
 96 92.7 66.1 122.7

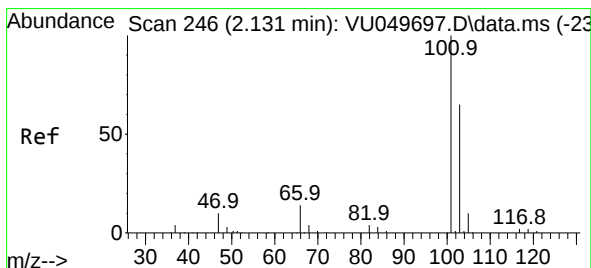
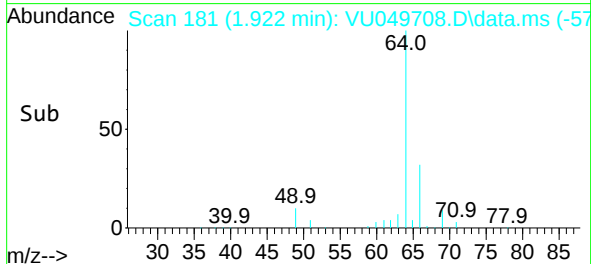
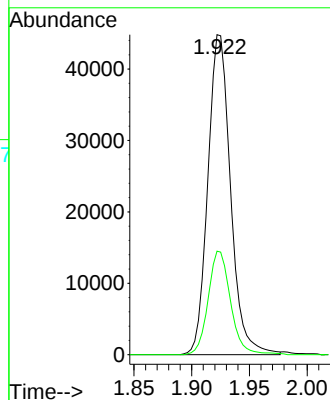
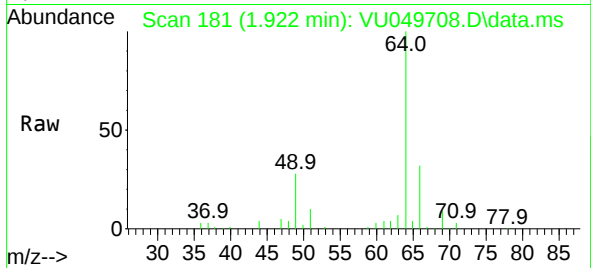




#8
Chloroethane
Concen: 46.079 ug/L
RT: 1.922 min Scan# 181
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

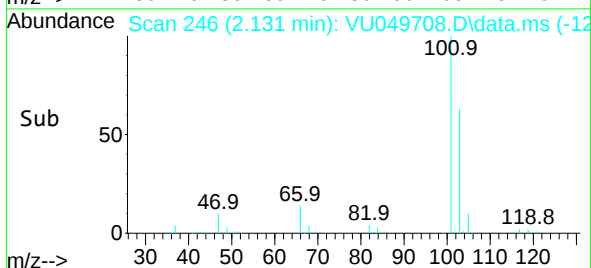
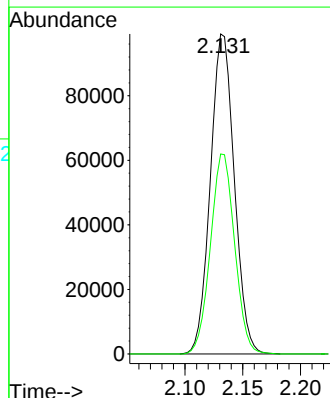
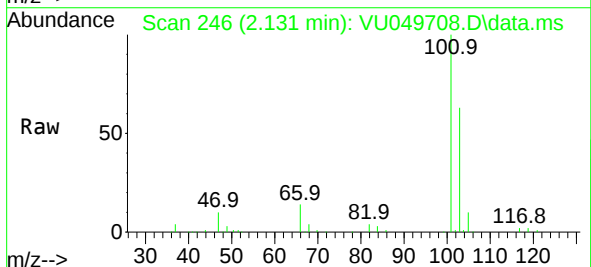
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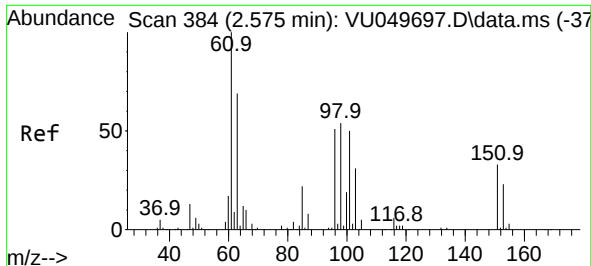
Tgt Ion: 64 Resp: 61407
Ion Ratio Lower Upper
64 100
66 32.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 48.137 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt Ion:101 Resp: 143012
Ion Ratio Lower Upper
101 100
103 63.1 52.2 78.4

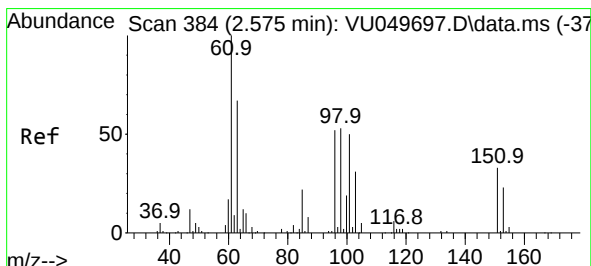
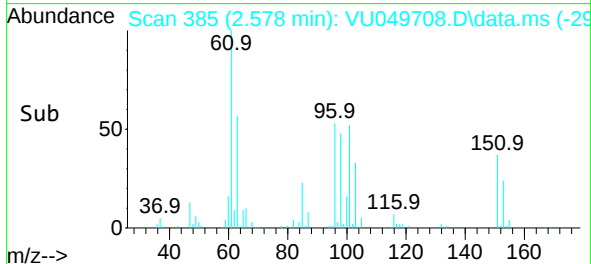
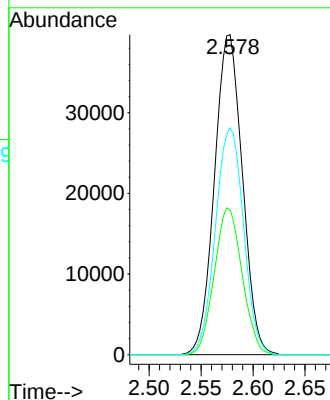
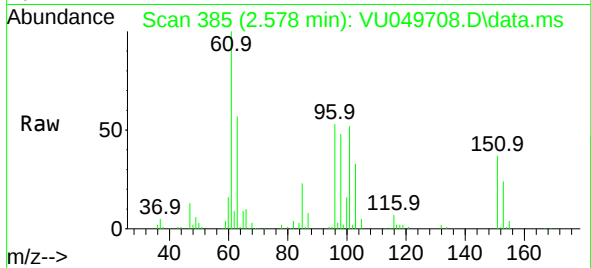




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.615 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

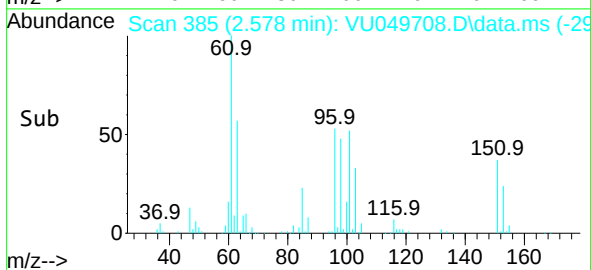
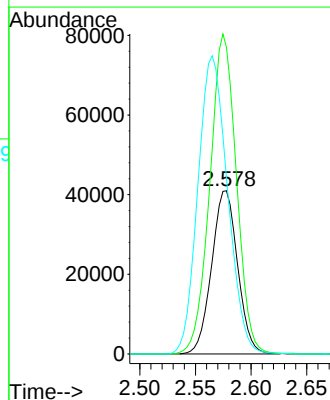
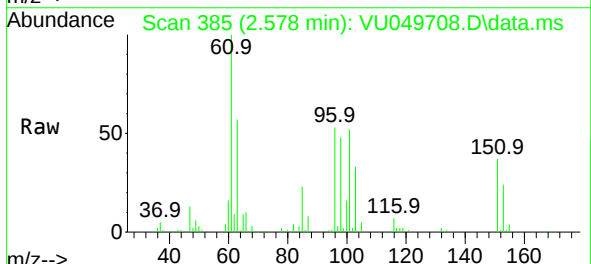
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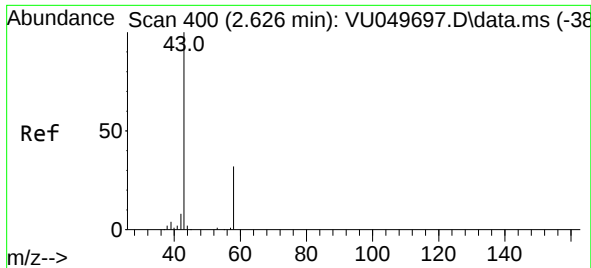
Tgt Ion:101 Resp: 74229
Ion Ratio Lower Upper
101 100
85 45.6 37.3 55.9
151 71.6 56.9 85.3



#12
1,1-Dichloroethene
Concen: 45.914 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt Ion: 96 Resp: 66429
Ion Ratio Lower Upper
96 100
61 188.0 129.6 240.6
63 107.9 79.0 146.6





#13

Acetone

Concen: 113.618 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

Instrument :

MSVOA_U

ClientSampleId :

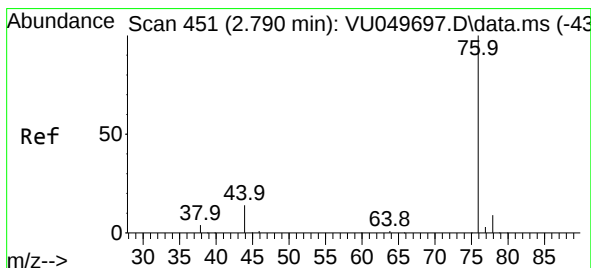
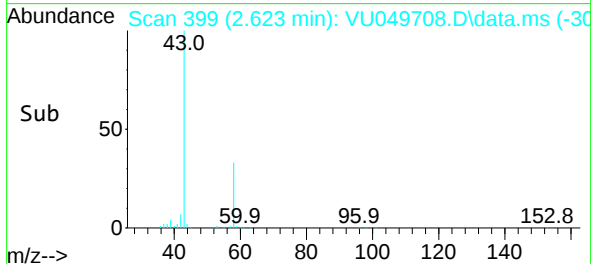
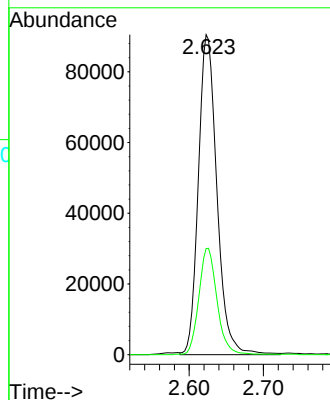
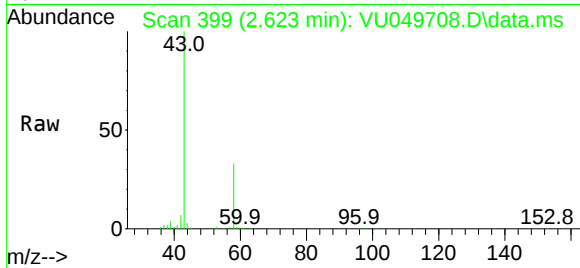
VSTD050163

Tgt Ion: 43 Resp: 157384

Ion Ratio Lower Upper

43 100

58 32.2 0.0 61.4



#14

Carbon disulfide

Concen: 42.372 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU049708.D

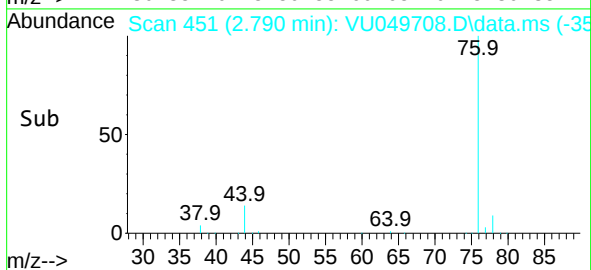
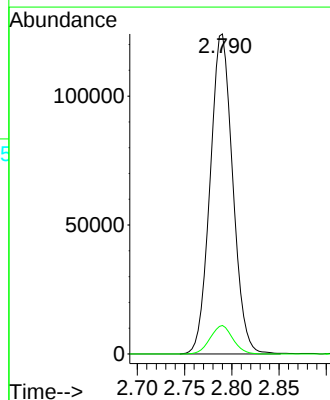
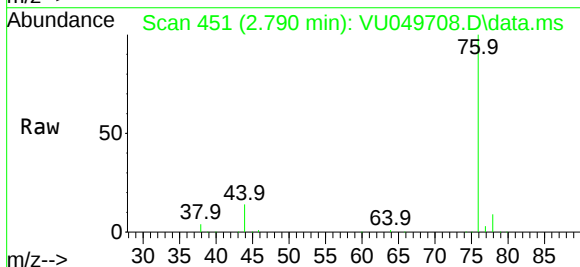
Acq: 14 Jul 2022 09:28

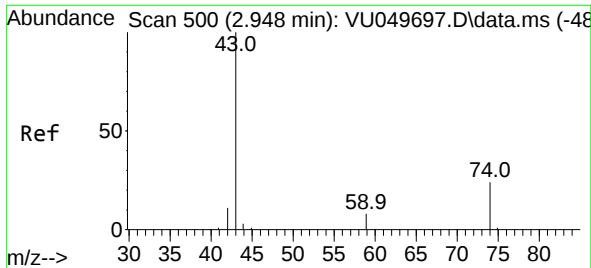
Tgt Ion: 76 Resp: 206734

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4

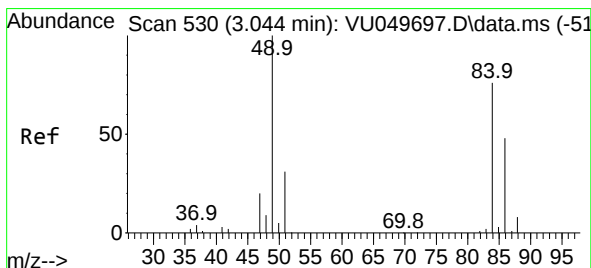
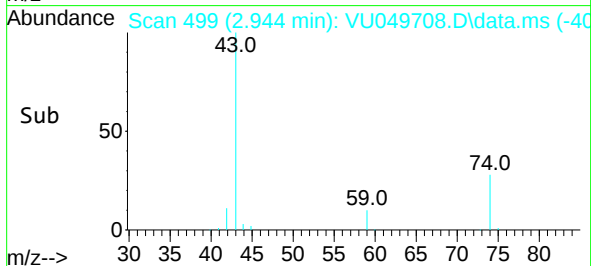
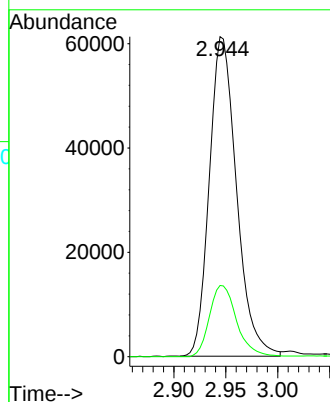
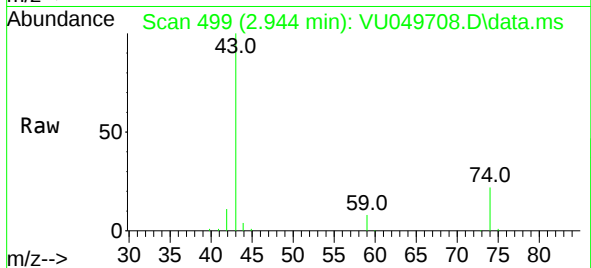




#15
Methyl Acetate
Concen: 49.539 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

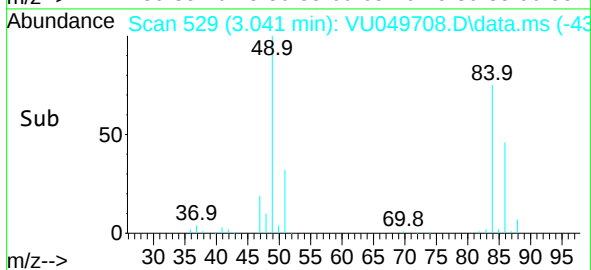
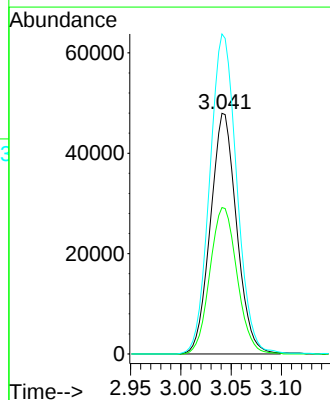
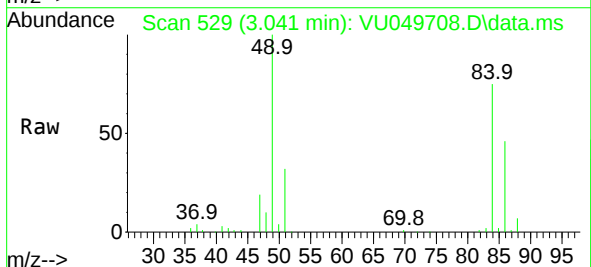
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

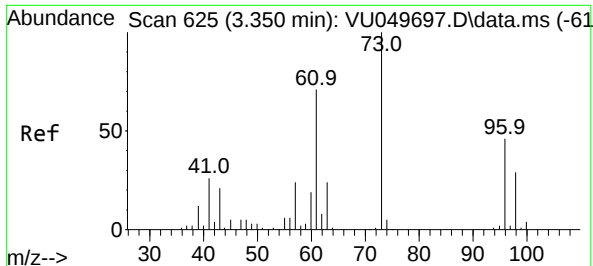
Tgt Ion: 43 Resp: 111484
Ion Ratio Lower Upper
43 100
74 22.3 17.4 26.0



#16
Methylene chloride
Concen: 47.757 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt Ion: 84 Resp: 87012
Ion Ratio Lower Upper
84 100
86 60.8 45.6 84.6
49 133.0 94.4 175.4





#17

trans-1,2-Dichloroethene

Concen: 45.813 ug/L

RT: 3.349 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050163

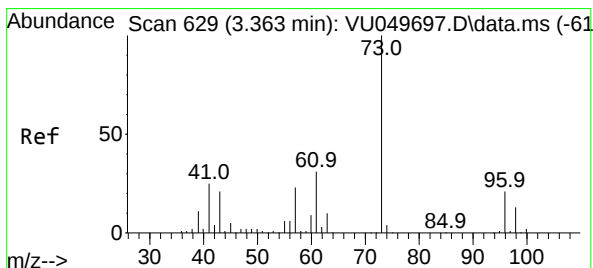
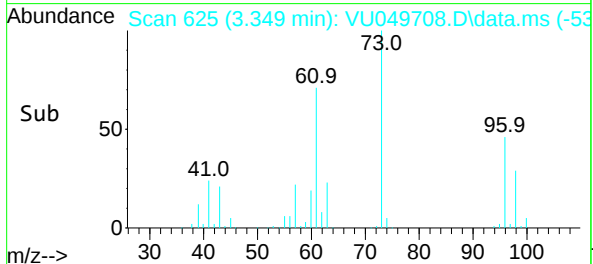
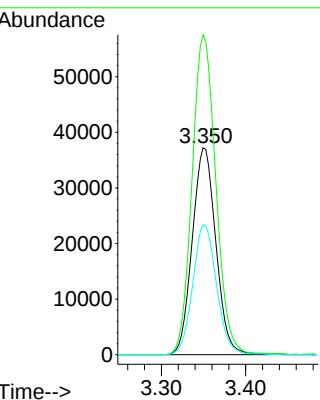
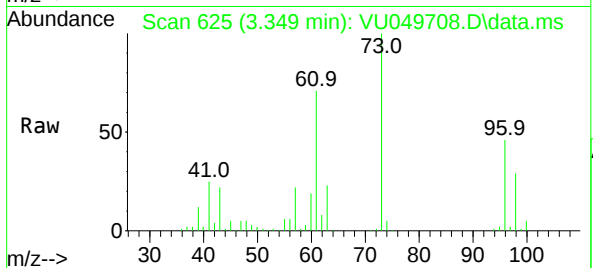
Tgt Ion: 96 Resp: 72510

Ion Ratio Lower Upper

96 100

61 154.7 107.6 199.8

98 62.8 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 48.706 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

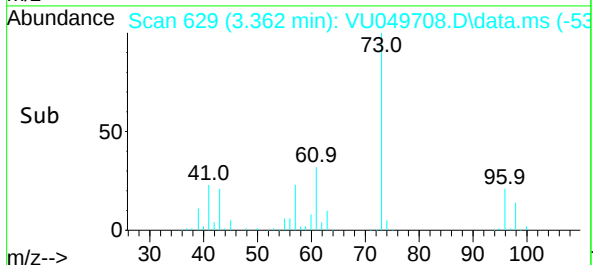
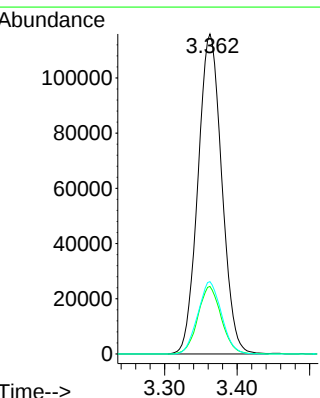
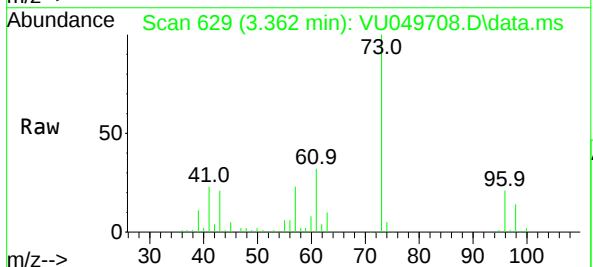
Tgt Ion: 73 Resp: 264045

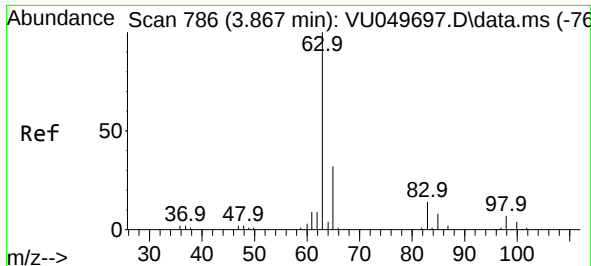
Ion Ratio Lower Upper

73 100

43 20.8 17.0 25.4

57 22.5 18.5 27.7

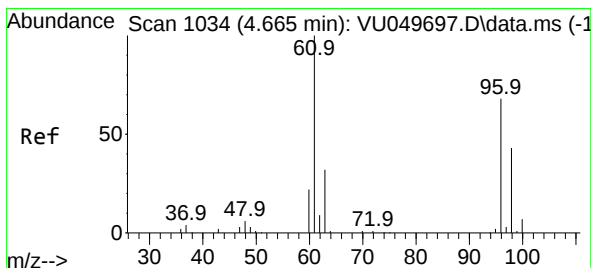
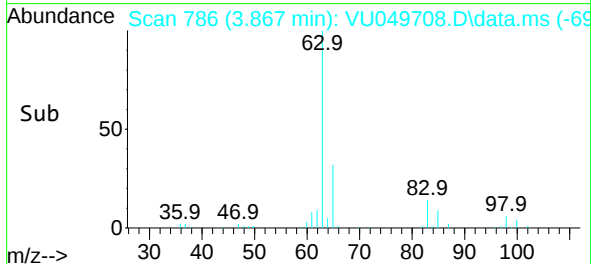
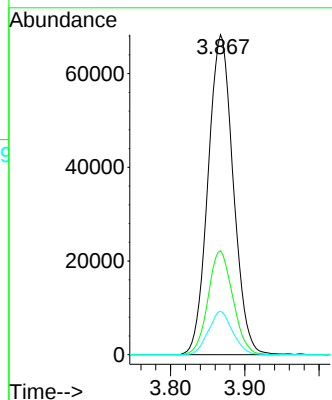
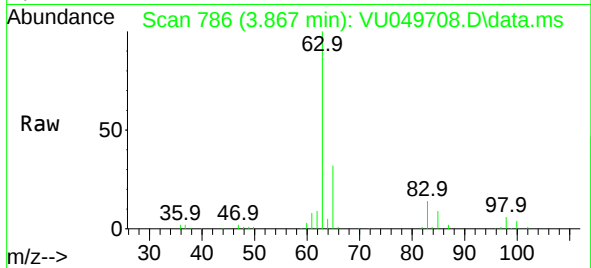




#19
1,1-Dichloroethane
Concen: 48.825 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

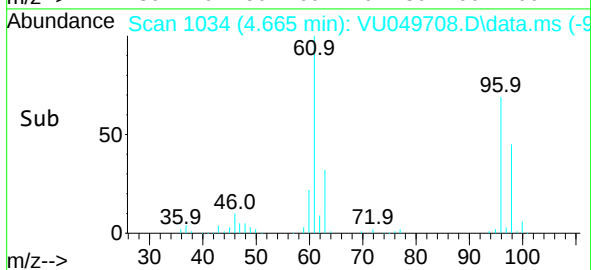
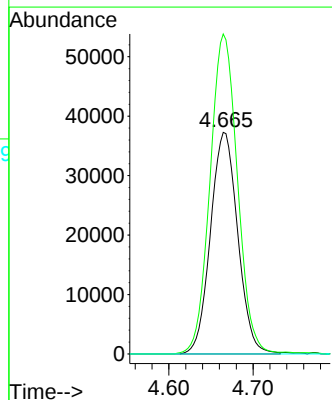
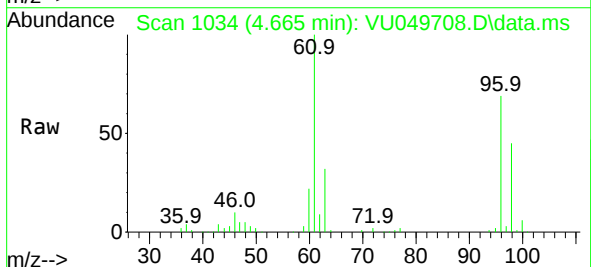
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

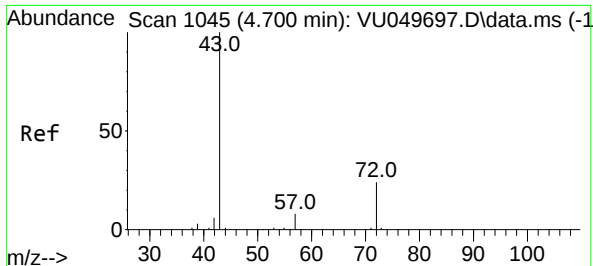
Tgt Ion: 63 Resp: 160882
Ion Ratio Lower Upper
63 100
65 32.5 22.6 42.0
83 13.6 9.2 17.2



#20
cis-1,2-Dichloroethene
Concen: 47.057 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt Ion: 96 Resp: 83705
Ion Ratio Lower Upper
96 100
61 144.4 101.1 187.7
68 0.0 0.0 0.0

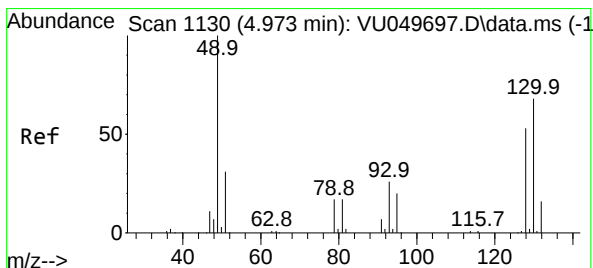
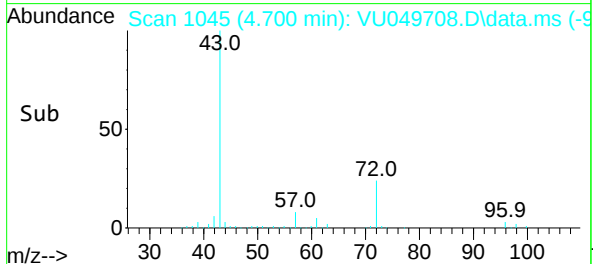
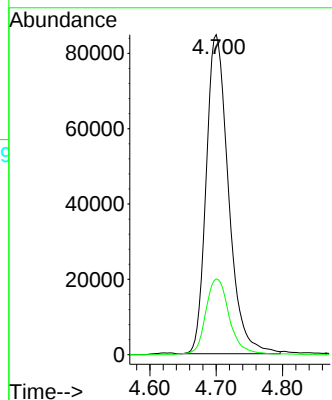
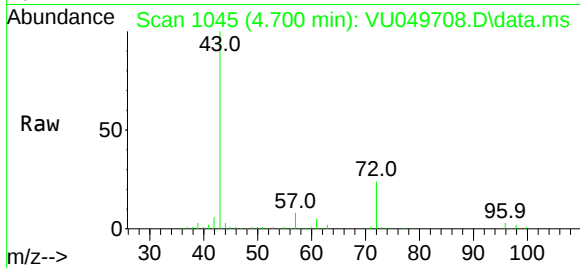




#22
2-Butanone
Concen: 106.712 ug/L
RT: 4.700 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

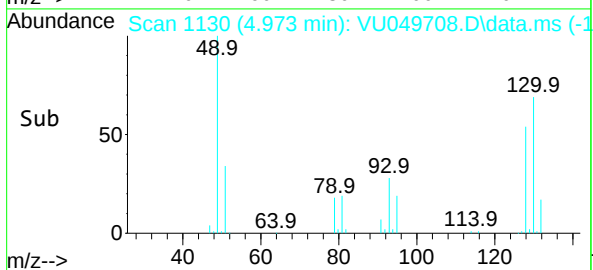
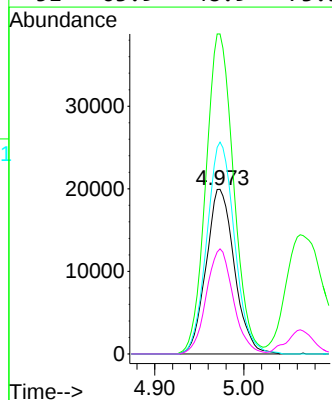
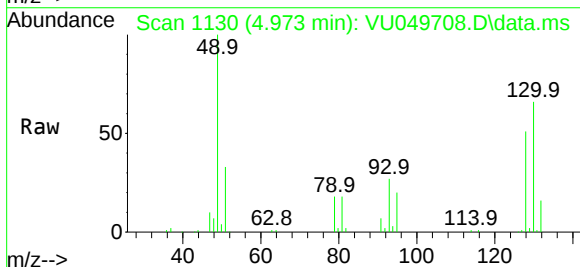
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

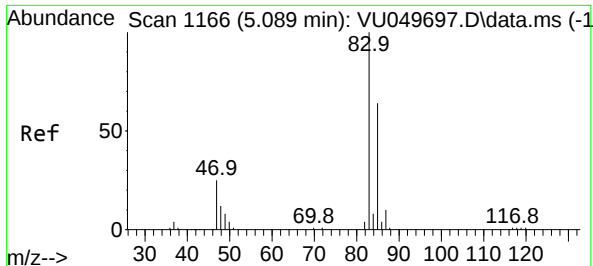
Tgt Ion: 43 Resp: 197906
Ion Ratio Lower Upper
43 100
72 25.3 12.7 38.0



#23
Bromochloromethane
Concen: 49.448 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt Ion:128 Resp: 43888
Ion Ratio Lower Upper
128 100
49 194.4 140.9 261.7
130 128.7 90.0 167.2
51 63.9 48.9 73.3





#25

Chloroform

Concen: 49.639 ug/L

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

Instrument :

MSVOA_U

ClientSampleId :

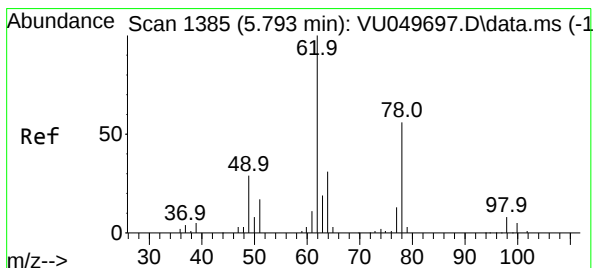
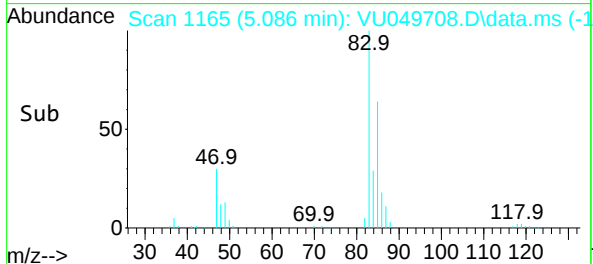
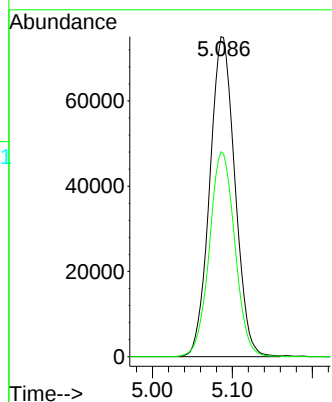
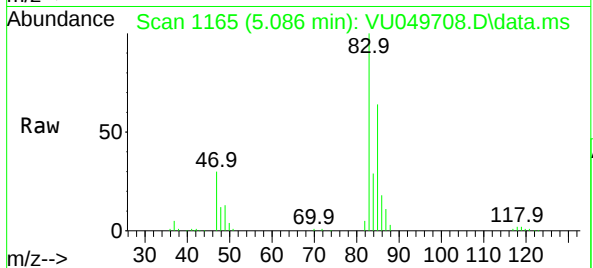
VSTD050163

Tgt Ion: 83 Resp: 164015

Ion Ratio Lower Upper

83 100

85 64.0 45.2 84.0



#27

1,2-Dichloroethane

Concen: 48.815 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU049708.D

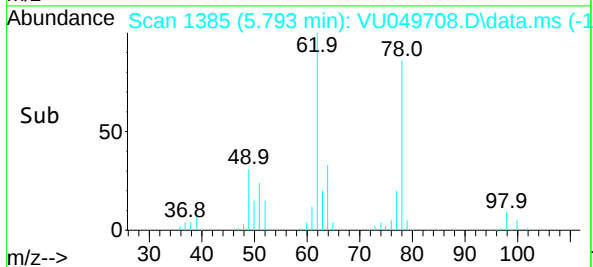
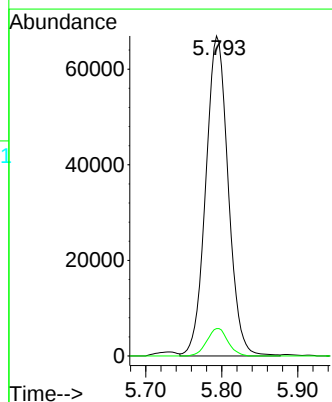
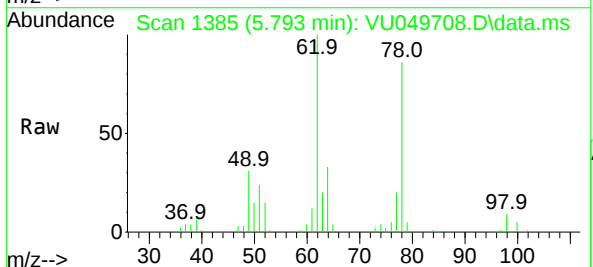
Acq: 14 Jul 2022 09:28

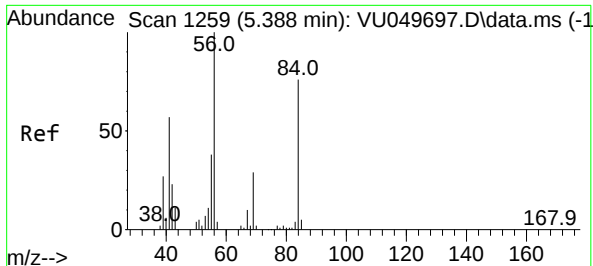
Tgt Ion: 62 Resp: 137343

Ion Ratio Lower Upper

62 100

98 8.5 6.7 10.1





#29

Cyclohexane

Concen: 45.304 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050163

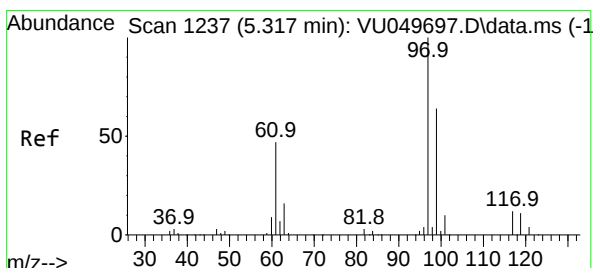
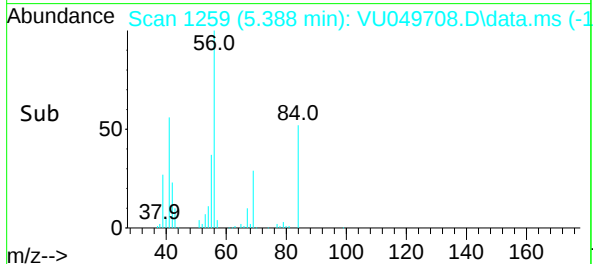
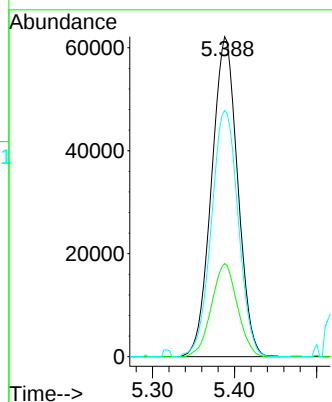
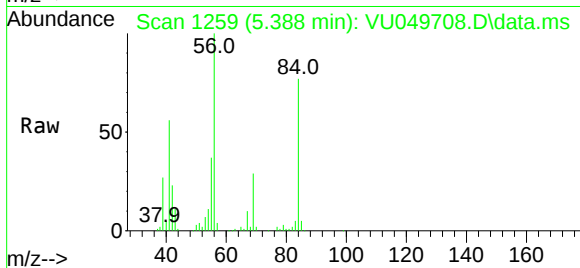
Tgt Ion: 56 Resp: 137411

Ion Ratio Lower Upper

56 100

69 29.0 23.4 35.2

84 79.4 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 48.429 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

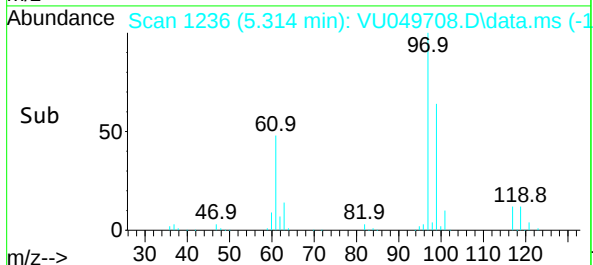
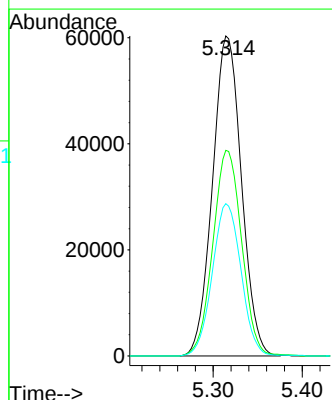
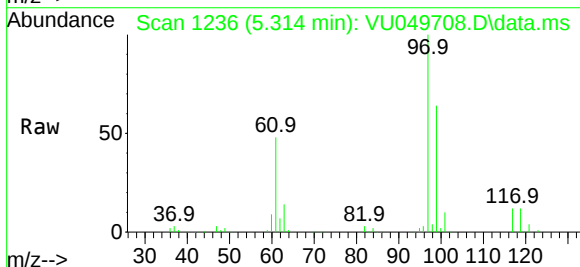
Tgt Ion: 97 Resp: 136240

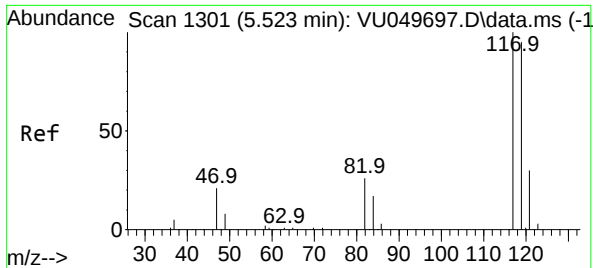
Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 47.2 38.2 57.2

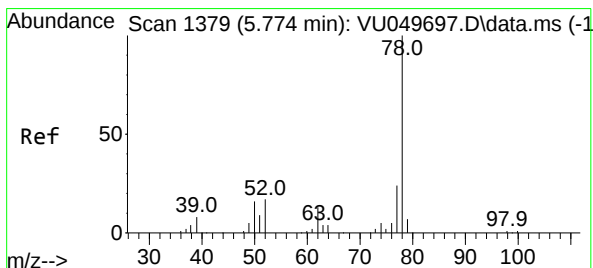
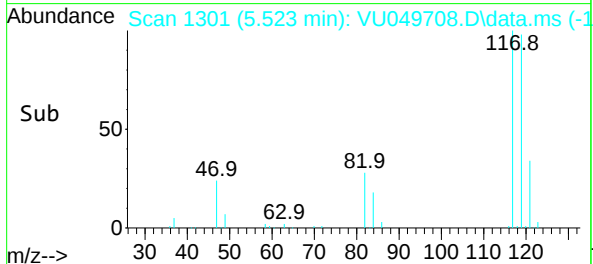
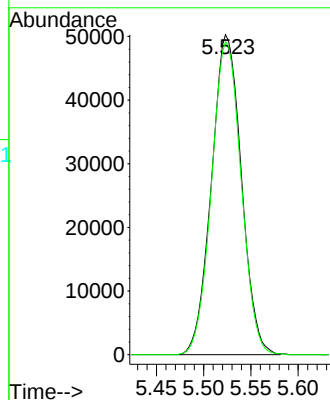
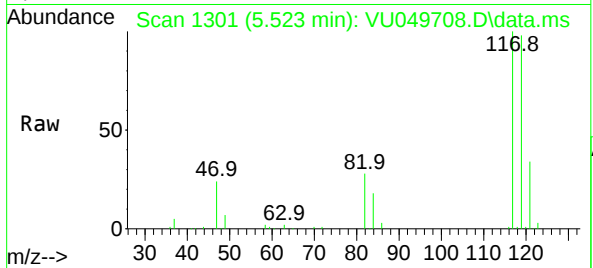




#31
Carbon tetrachloride
Concen: 48.046 ug/L
RT: 5.523 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

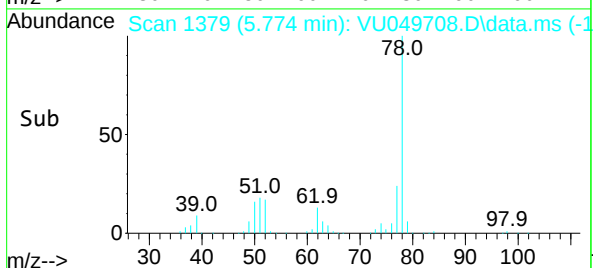
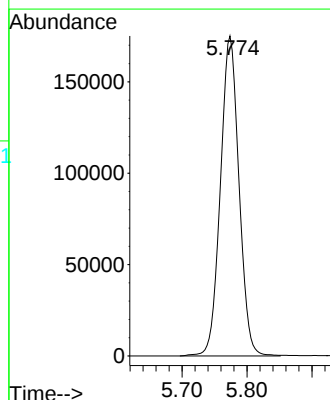
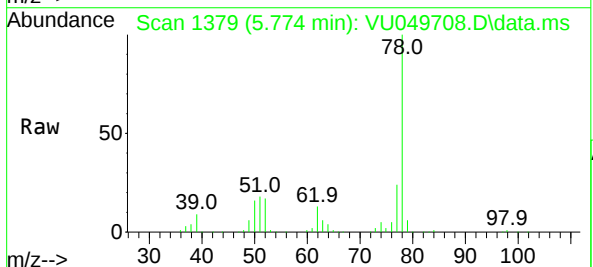
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

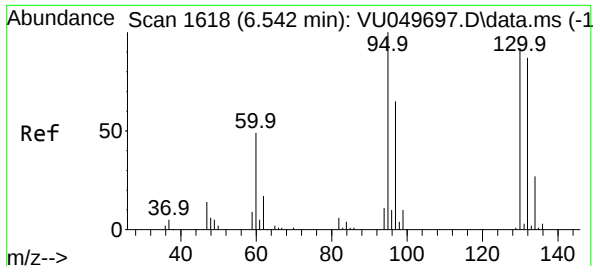
Tgt Ion:117 Resp: 110548
Ion Ratio Lower Upper
117 100
119 96.8 75.8 113.8



#33
Benzene
Concen: 47.452 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt Ion: 78 Resp: 346597





#34

Trichloroethene

Concen: 47.866 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050163

Tgt Ion: 95 Resp: 84511

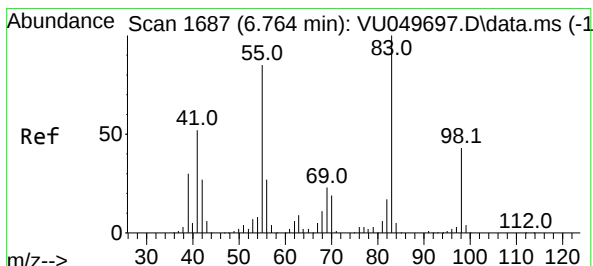
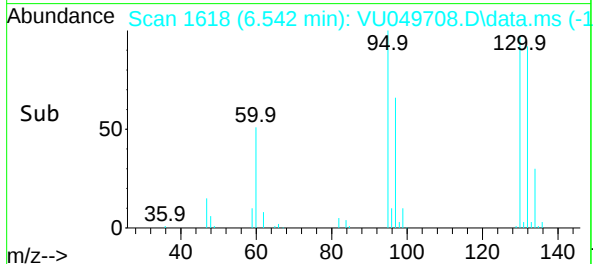
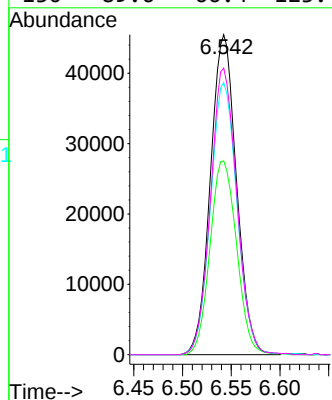
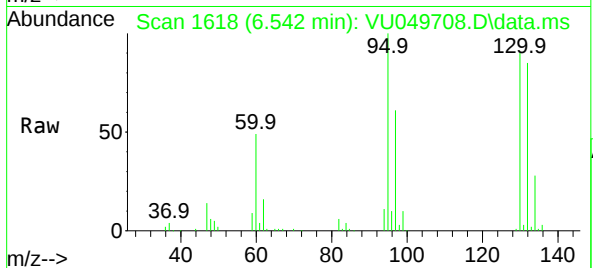
Ion Ratio Lower Upper

95 100

97 60.5 46.9 87.1

132 85.0 62.7 116.5

130 89.6 66.4 123.4



#35

Methylcyclohexane

Concen: 47.456 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.003 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

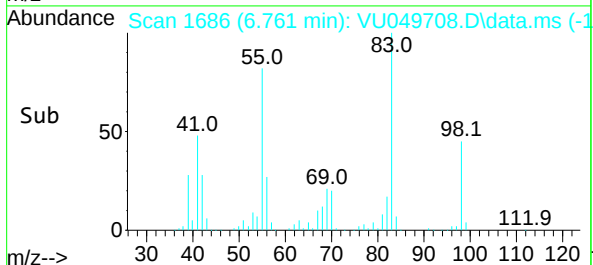
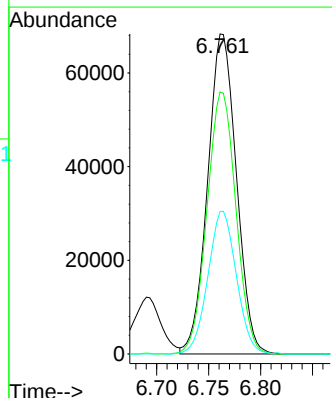
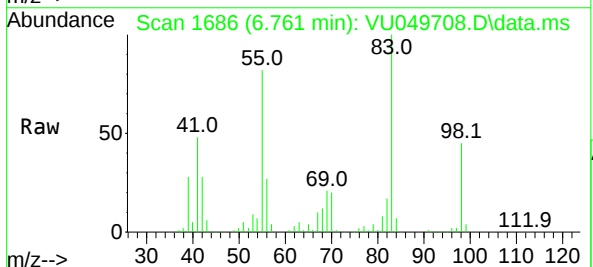
Tgt Ion: 83 Resp: 131664

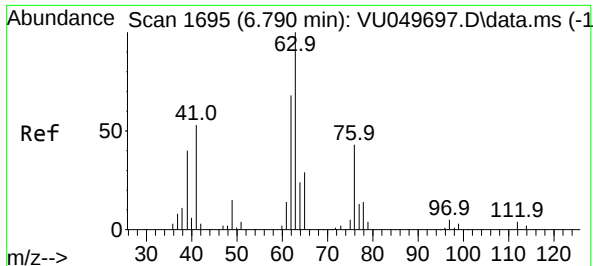
Ion Ratio Lower Upper

83 100

55 82.4 66.0 99.0

98 44.1 34.6 51.8





#37

1,2-Dichloropropane

Concen: 48.367 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

Instrument :

MSVOA_U

ClientSampleId :

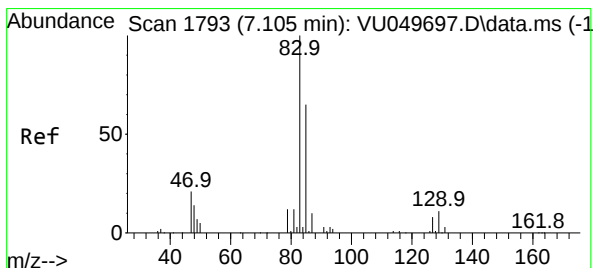
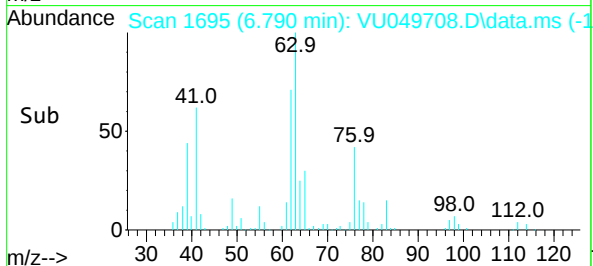
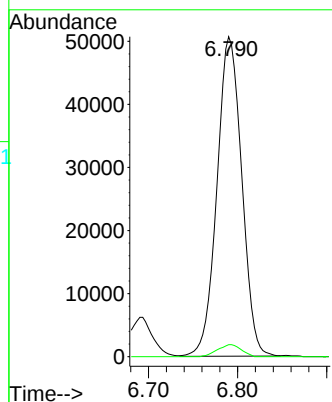
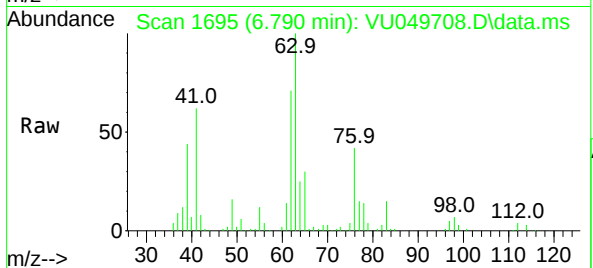
VSTD050163

Tgt Ion: 63 Resp: 97921

Ion Ratio Lower Upper

63 100

112 3.6 2.8 4.2



#38

Bromodichloromethane

Concen: 48.396 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

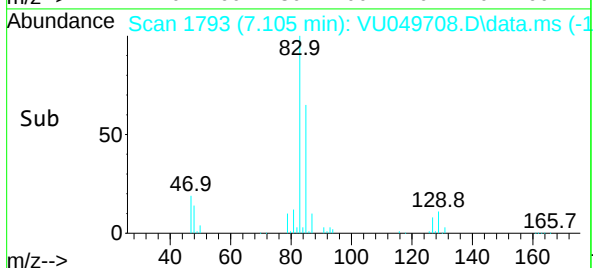
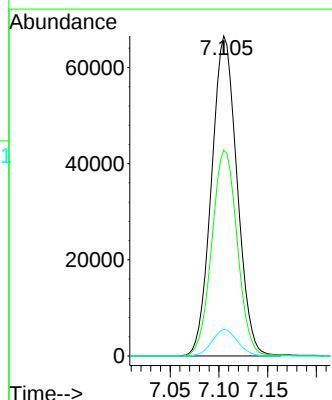
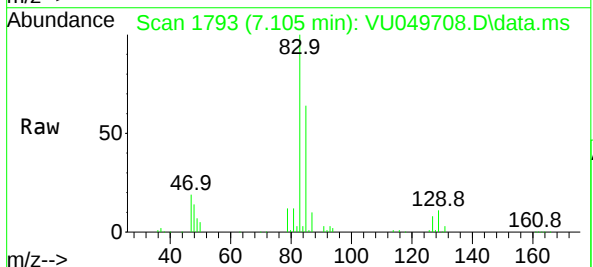
Tgt Ion: 83 Resp: 121478

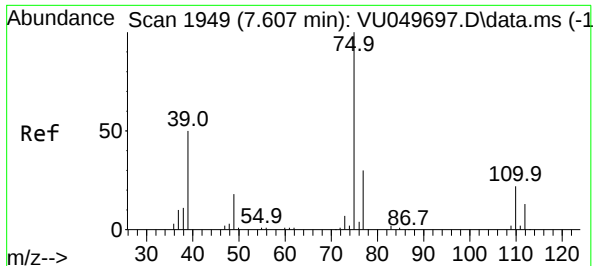
Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.2

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 50.058 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

Instrument :

MSVOA_U

ClientSampleId :

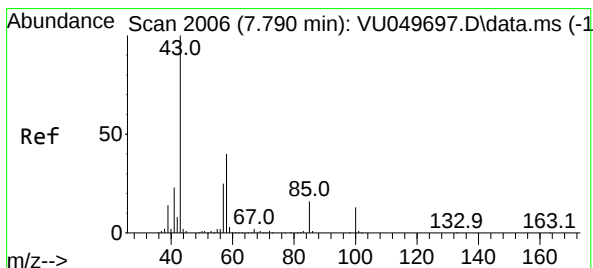
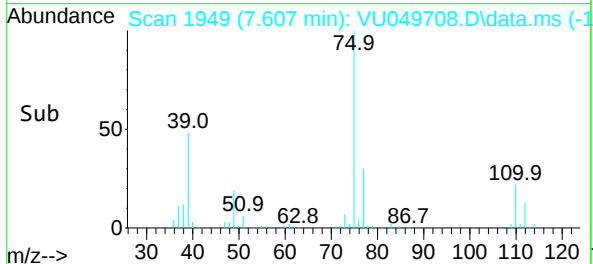
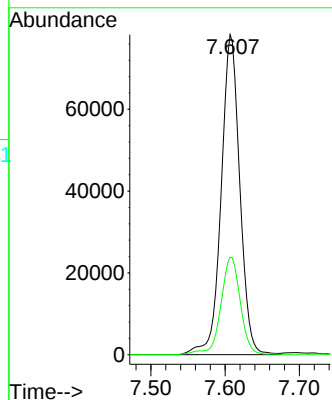
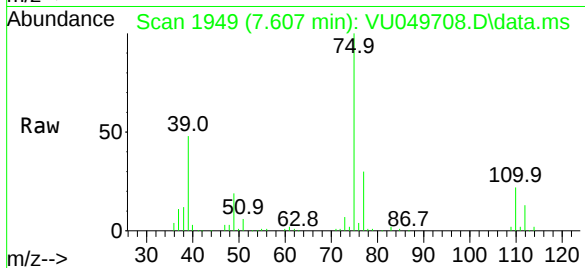
VSTD050163

Tgt Ion: 75 Resp: 136678

Ion Ratio Lower Upper

75 100

77 30.5 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 96.138 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

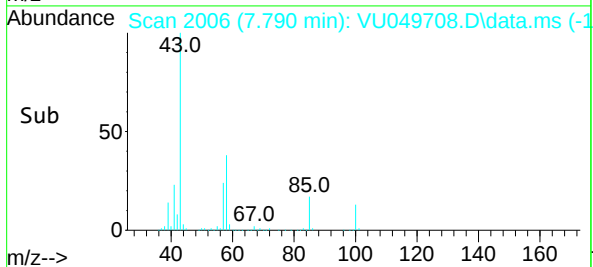
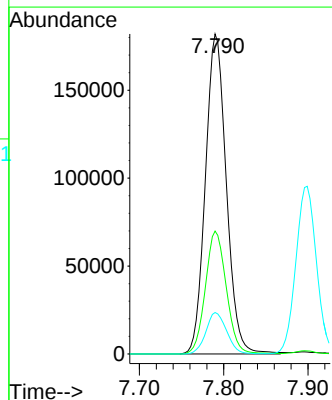
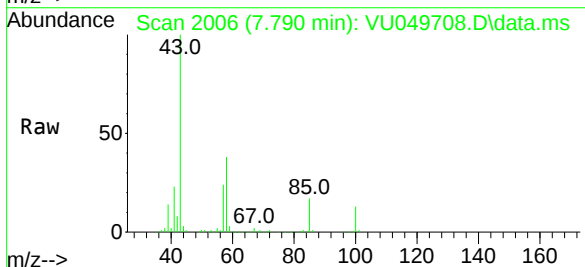
Tgt Ion: 43 Resp: 315089

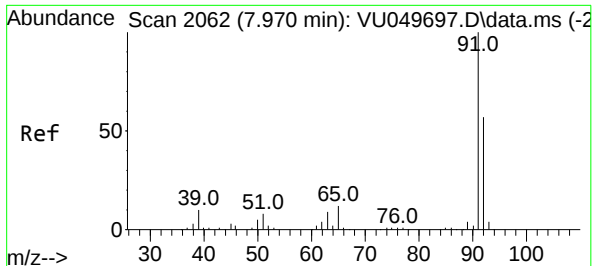
Ion Ratio Lower Upper

43 100

58 38.4 31.4 47.0

100 12.9 10.3 15.5





#42

Toluene

Concen: 48.776 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

Instrument :

MSVOA_U

ClientSampleId :

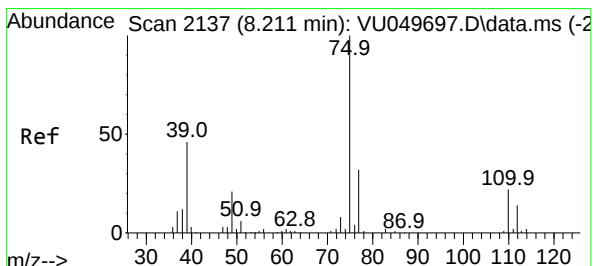
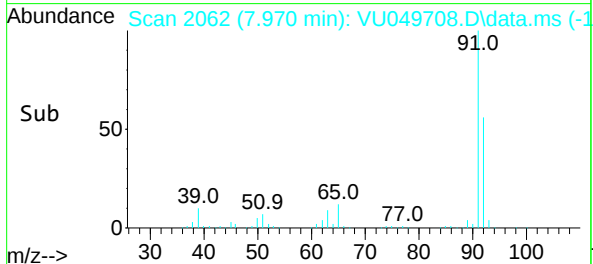
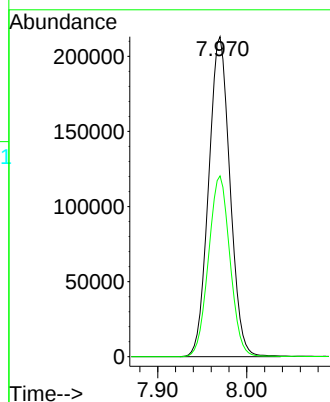
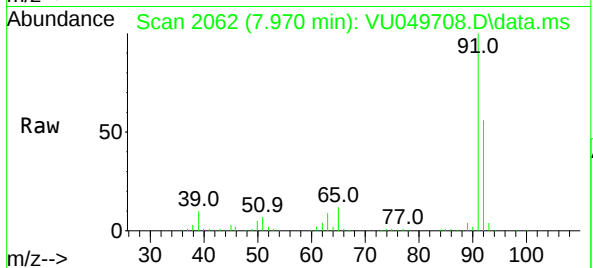
VSTD050163

Tgt Ion: 91 Resp: 354084

Ion Ratio Lower Upper

91 100

92 56.5 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 50.182 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU049708.D

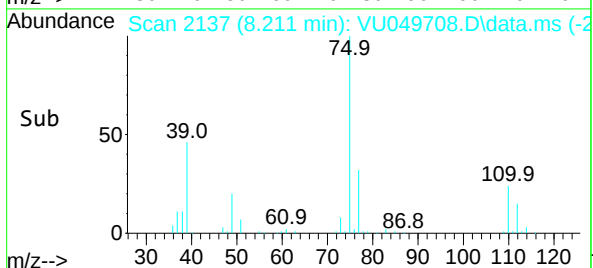
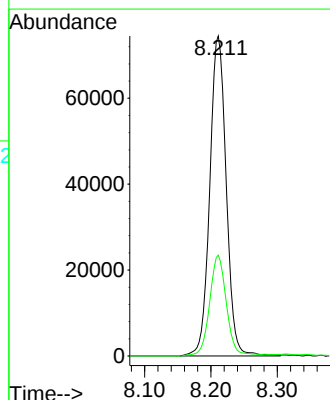
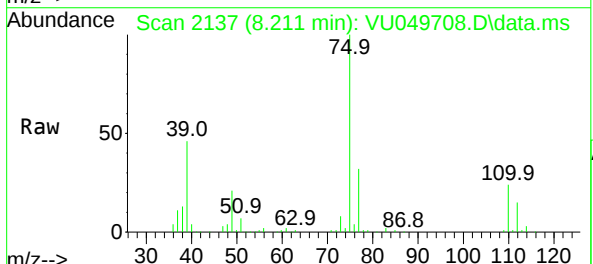
Acq: 14 Jul 2022 09:28

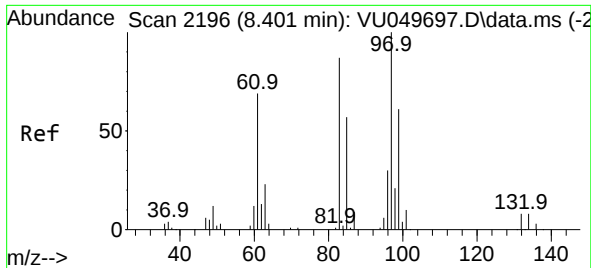
Tgt Ion: 75 Resp: 128652

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9

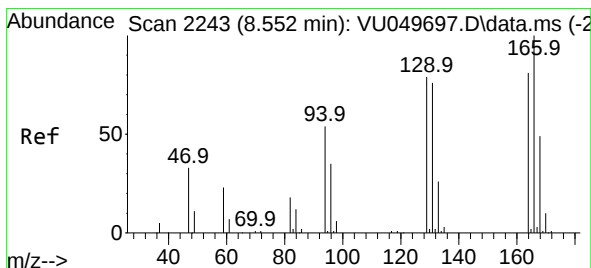
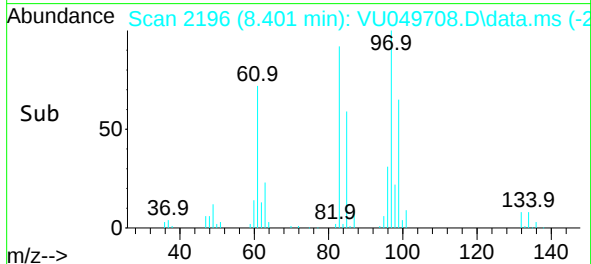
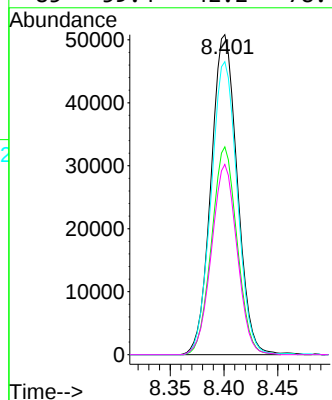
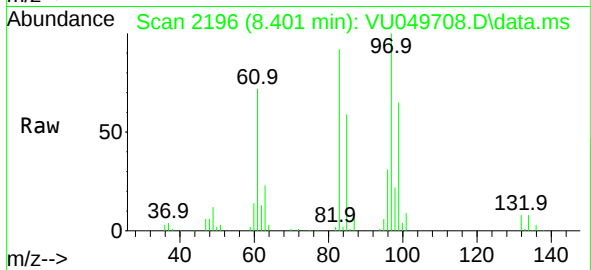




#45
1,1,2-Trichloroethane
Concen: 48.735 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

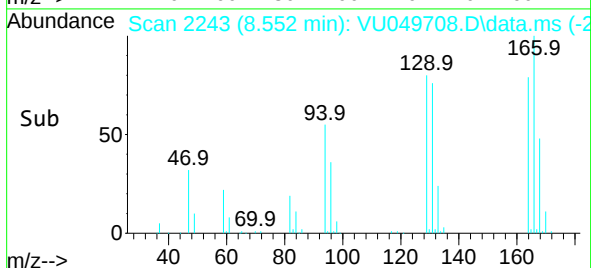
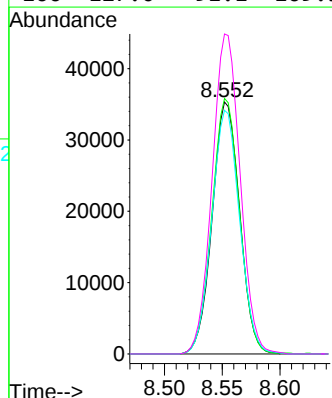
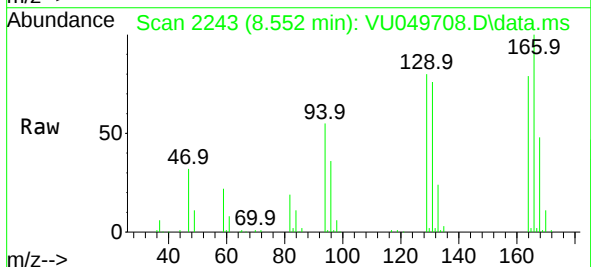
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

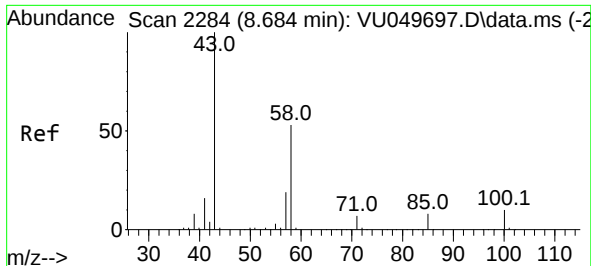
Tgt Ion: 97	Resp: 86120
Ion Ratio	Lower Upper
97 100	
99 65.0	44.3 82.3
83 91.5	64.0 118.8
85 59.4	42.2 78.4



#46
Tetrachloroethene
Concen: 47.649 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt	Ion:164	Resp:	58348
Ion	Ratio	Lower	Upper
164	100		
129	101.4	72.0	133.8
131	96.7	69.0	128.1
166	127.0	91.1	169.3



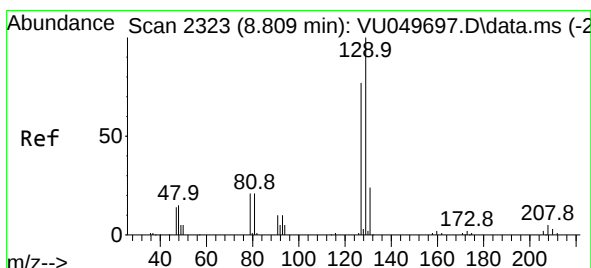
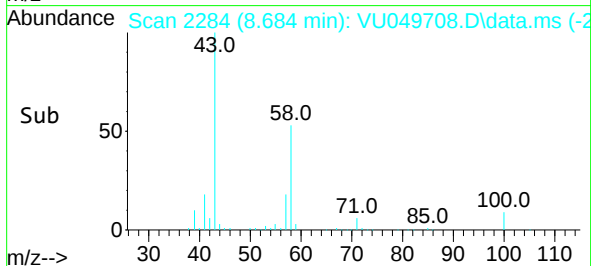
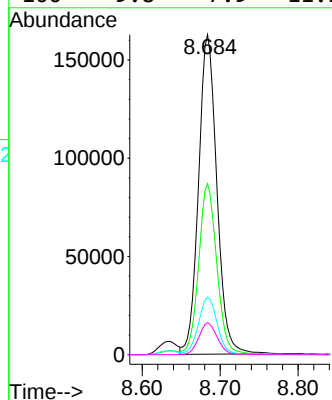
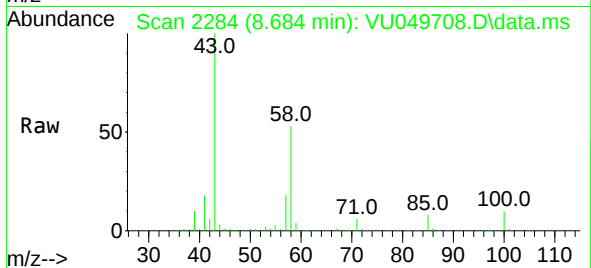


#48
2-Hexanone
Concen: 101.398 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

Tgt Ion: 43 Resp: 265571

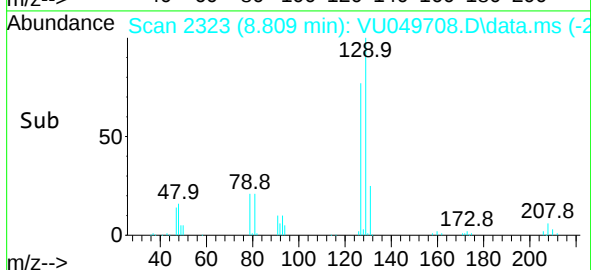
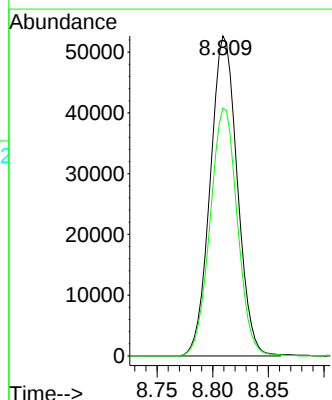
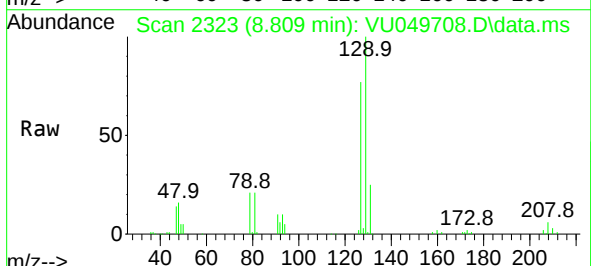
Ion	Ratio	Lower	Upper
43	100		
58	52.2	42.6	64.0
57	18.4	15.0	22.6
100	9.8	7.9	11.9

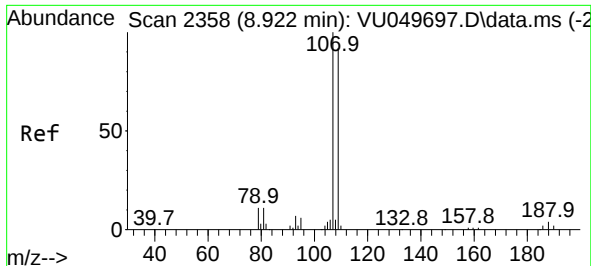


#49
Dibromochloromethane
Concen: 50.075 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt Ion: 129 Resp: 89001

Ion	Ratio	Lower	Upper
129	100		
127	77.4	56.9	105.7





#50

1,2-Dibromoethane

Concen: 50.758 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050163

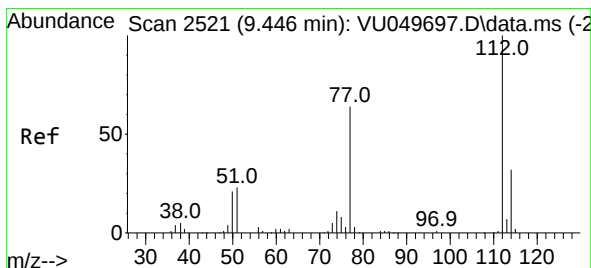
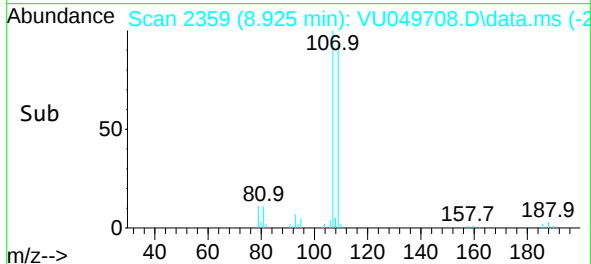
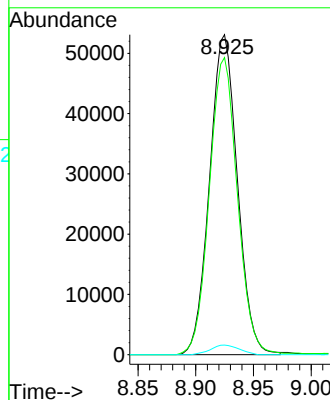
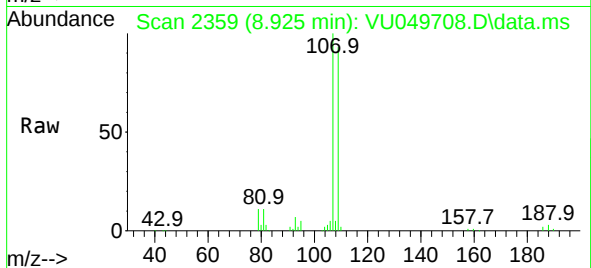
Tgt Ion:107 Resp: 89099

Ion Ratio Lower Upper

107 100

109 92.9 65.7 121.9

188 3.0 2.7 4.1



#51

Chlorobenzene

Concen: 48.043 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

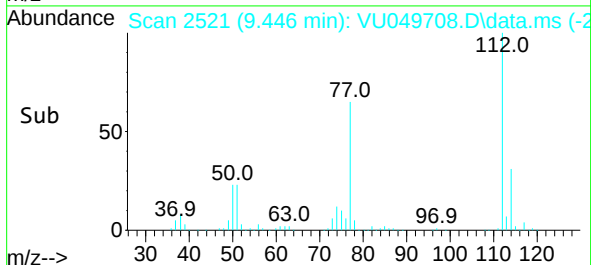
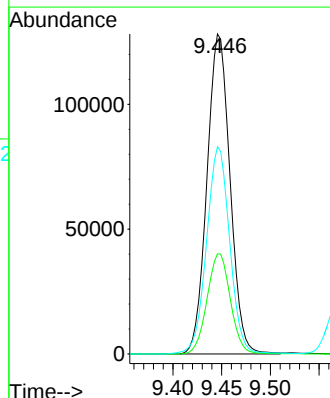
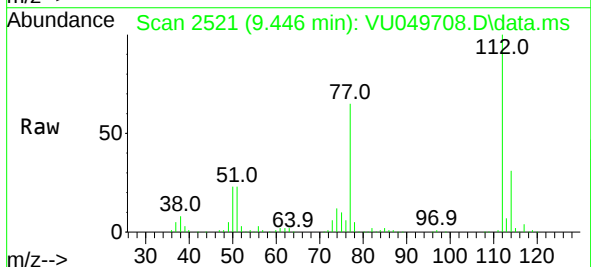
Tgt Ion:112 Resp: 211204

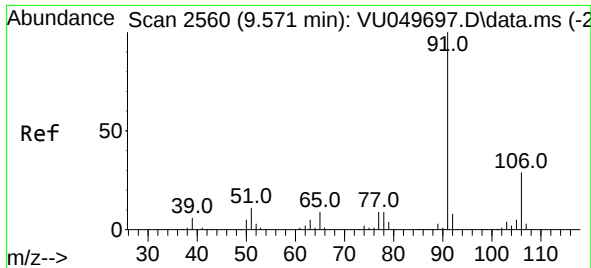
Ion Ratio Lower Upper

112 100

114 31.3 22.1 41.1

77 64.7 51.2 76.8

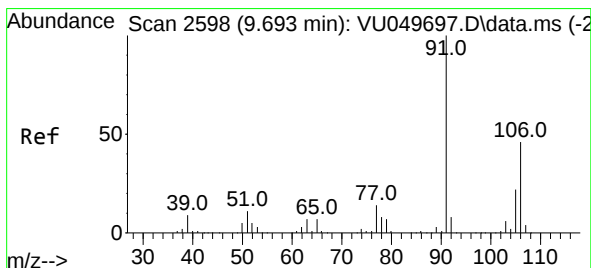
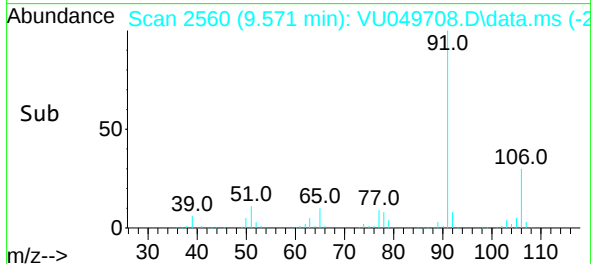
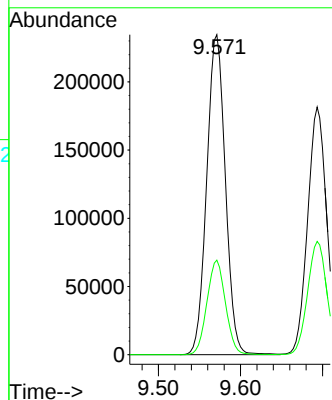
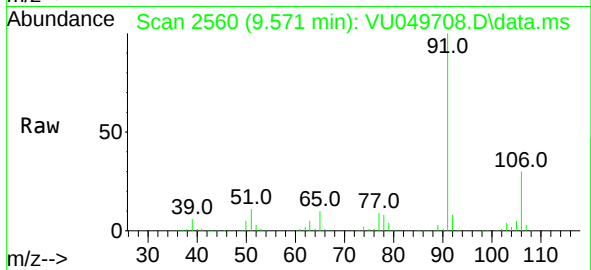




#52
Ethylbenzene
Concen: 48.337 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

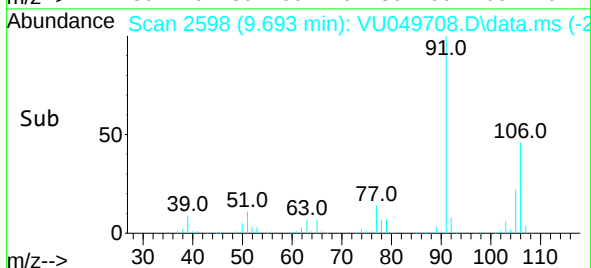
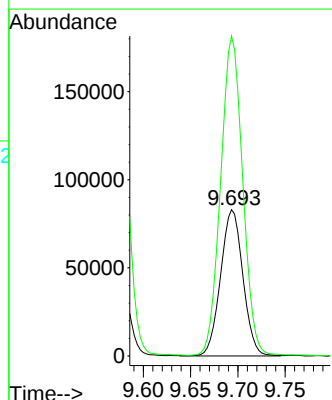
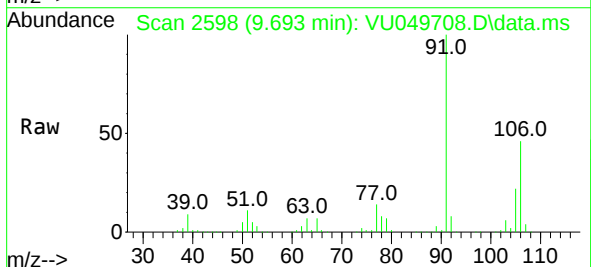
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

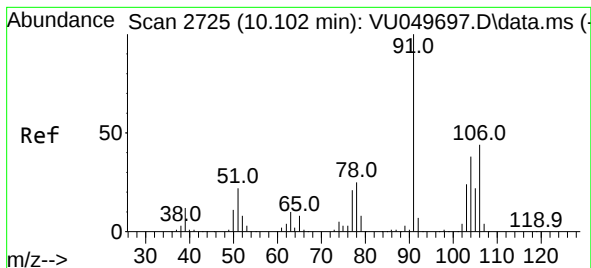
Tgt Ion: 91 Resp: 370284
Ion Ratio Lower Upper
91 100
106 29.5 21.0 39.0



#53
m,p-Xylene
Concen: 48.988 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt Ion:106 Resp: 136457
Ion Ratio Lower Upper
106 100
91 218.8 151.7 281.7





#54

o-Xylene

Concen: 49.431 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. -0.000 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

Instrument :

MSVOA_U

ClientSampleId :

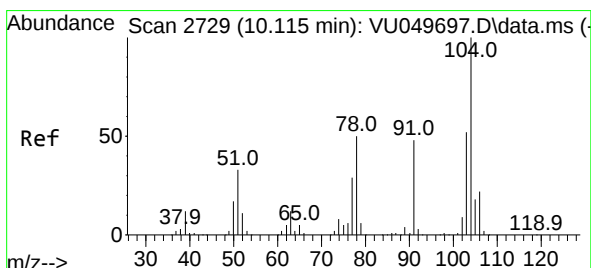
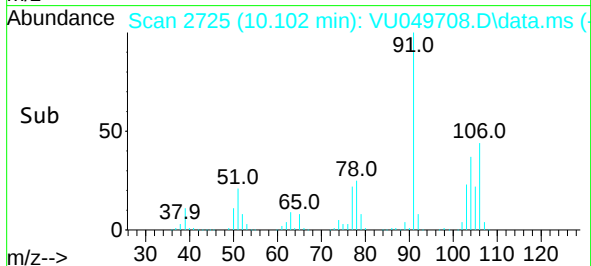
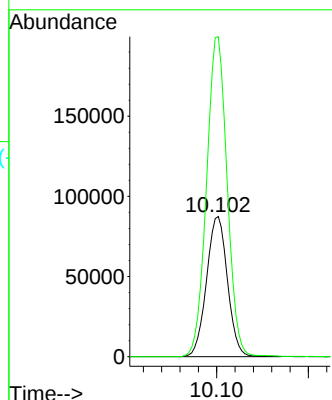
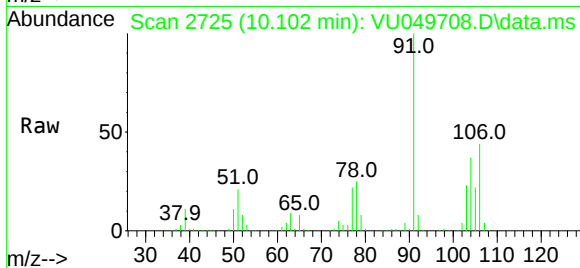
VSTD050163

Tgt Ion:106 Resp: 138641

Ion Ratio Lower Upper

106 100

91 228.4 156.9 291.5



#55

Styrene

Concen: 50.859 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU049708.D

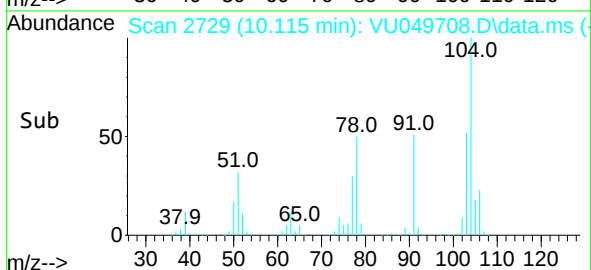
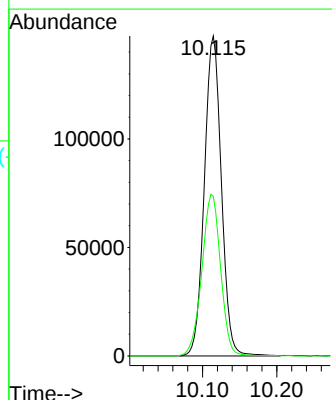
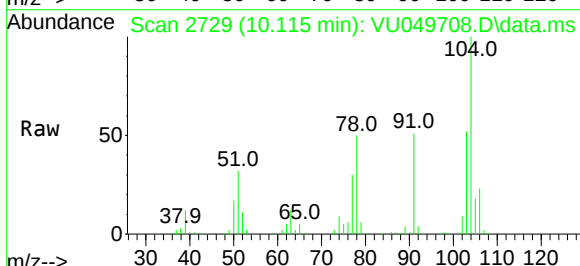
Acq: 14 Jul 2022 09:28

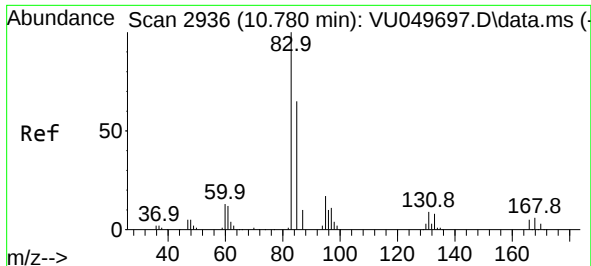
Tgt Ion:104 Resp: 235411

Ion Ratio Lower Upper

104 100

78 49.9 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 49.471 ug/L

RT: 10.783 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050163

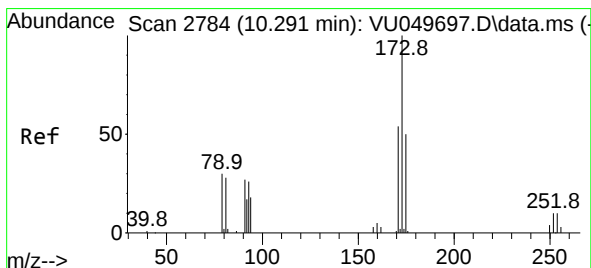
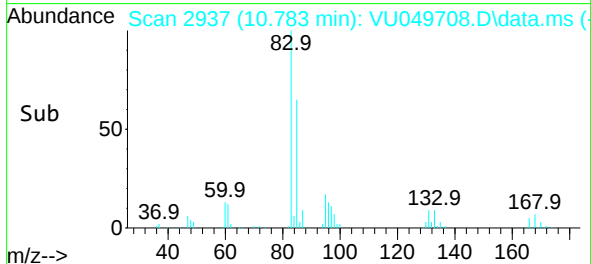
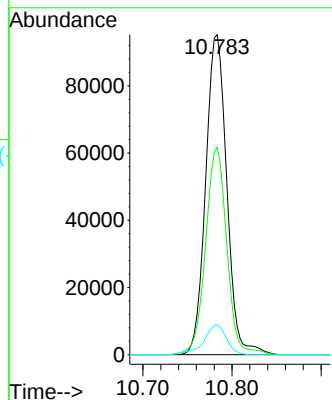
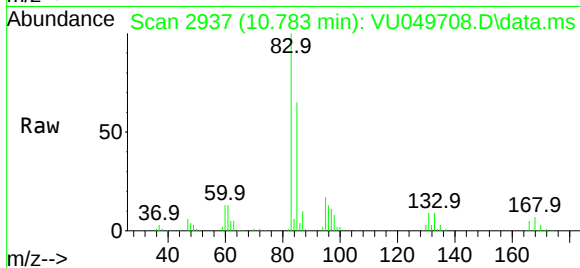
Tgt Ion: 83 Resp: 156487

Ion Ratio Lower Upper

83 100

85 64.8 45.0 83.6

131 9.3 7.0 10.6



#59

Bromoform

Concen: 49.357 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

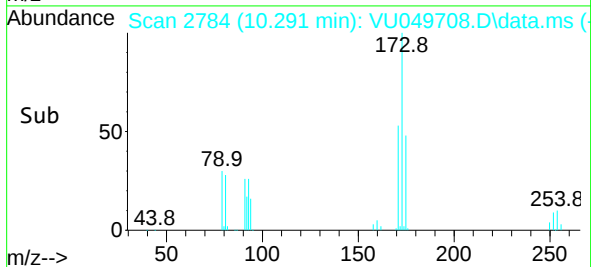
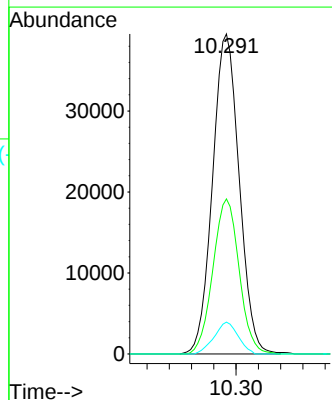
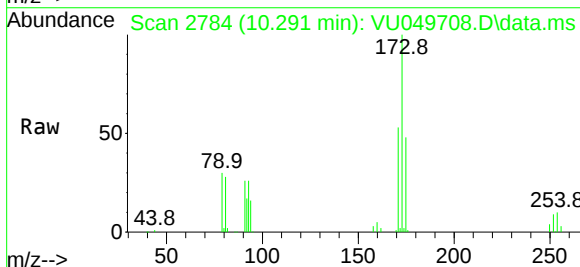
Tgt Ion:173 Resp: 65554

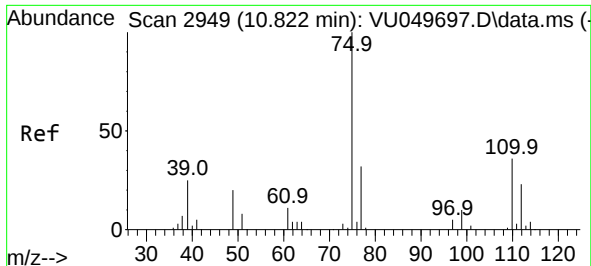
Ion Ratio Lower Upper

173 100

175 47.6 38.6 58.0

254 9.0 7.4 11.0

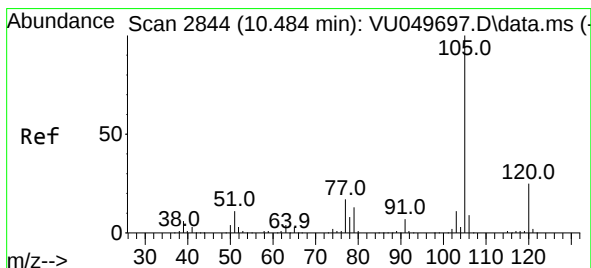
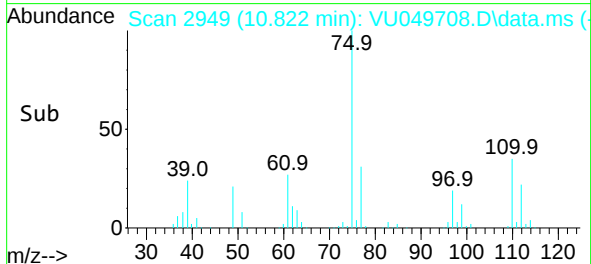
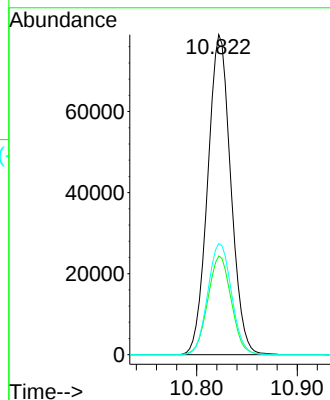
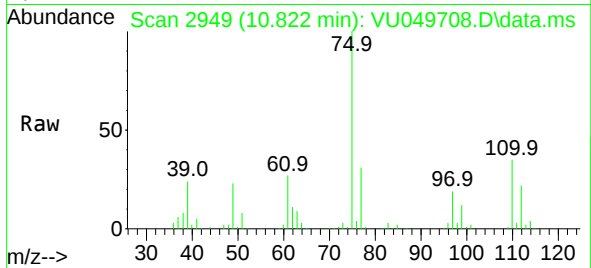




#60
1,2,3-Trichloropropane
Concen: 47.783 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

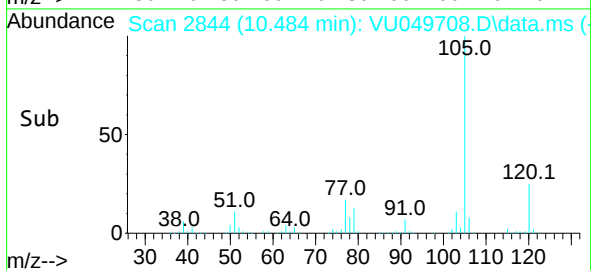
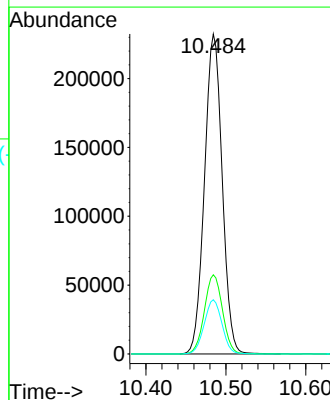
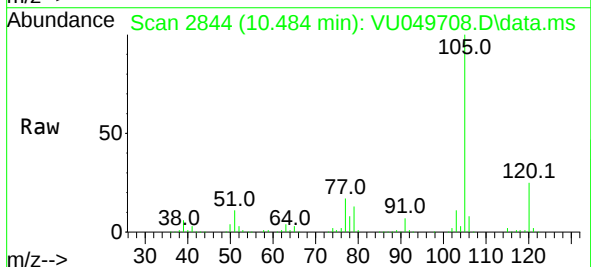
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

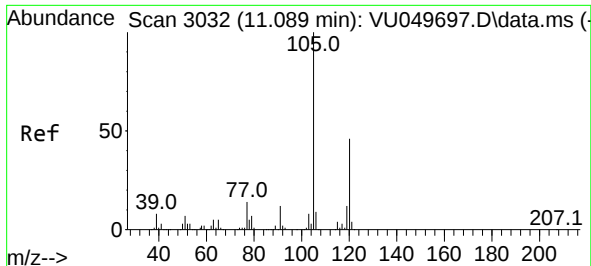
Tgt Ion:	75	Resp:	126033
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3
110	35.6	28.9	43.3



#61
Isopropylbenzene
Concen: 48.465 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt Ion:	105	Resp:	358354
Ion	Ratio	Lower	Upper
105	100		
120	25.3	19.9	29.9
77	17.0	13.8	20.8

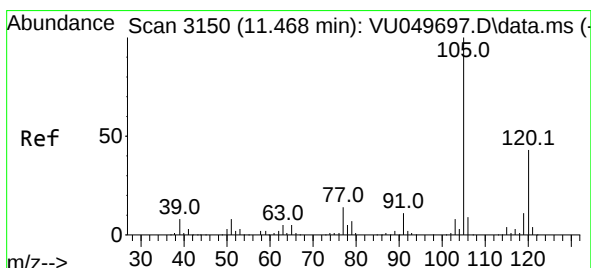
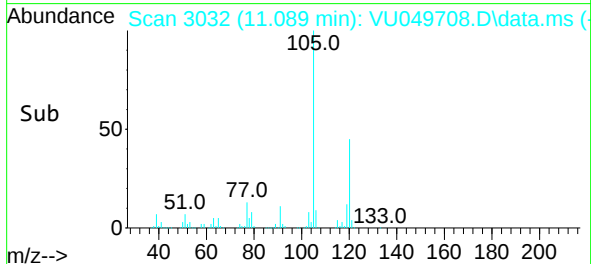
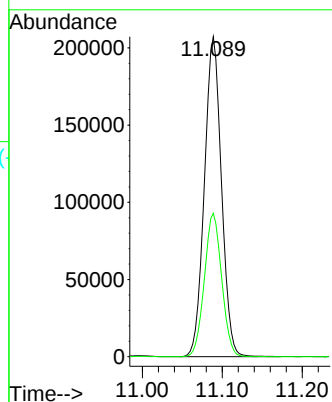
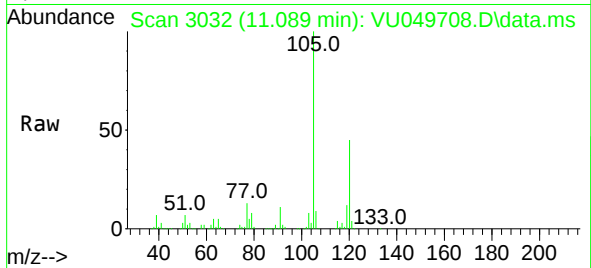




#62
1,3,5-Trimethylbenzene
Concen: 49.421 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

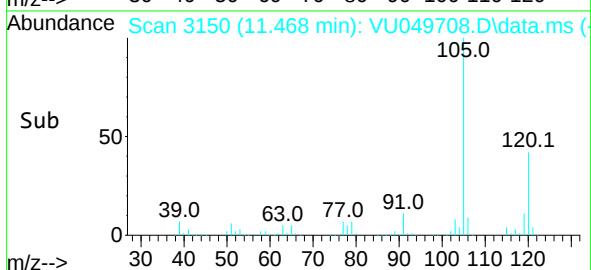
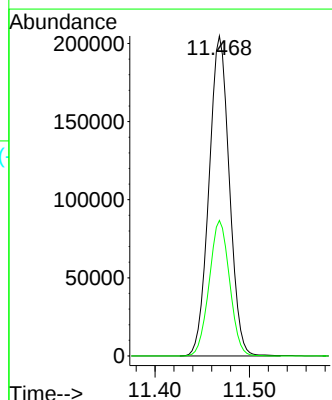
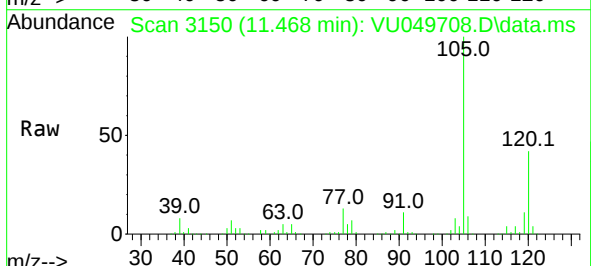
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

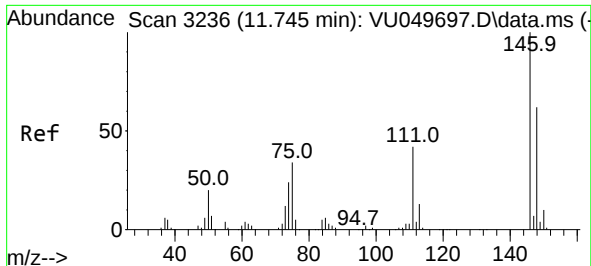
Tgt Ion:105 Resp: 308236
Ion Ratio Lower Upper
105 100
120 45.3 36.8 55.2



#63
1,2,4-Trimethylbenzene
Concen: 49.394 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt Ion:105 Resp: 306051
Ion Ratio Lower Upper
105 100
120 42.4 33.9 50.9

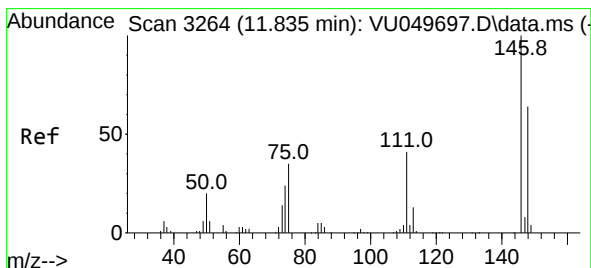
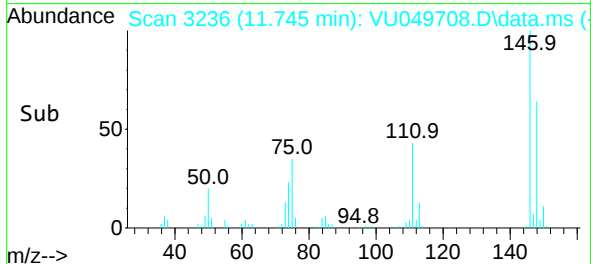
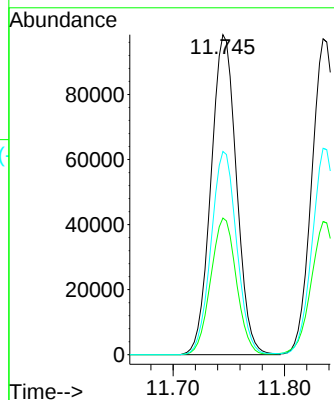
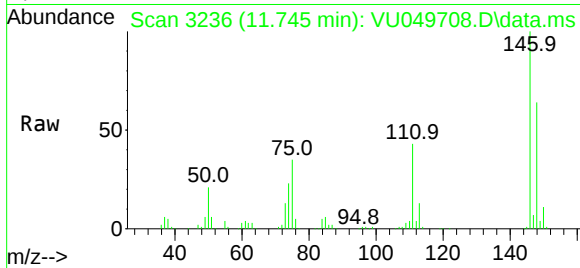




#64
1,3-Dichlorobenzene
Concen: 48.449 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

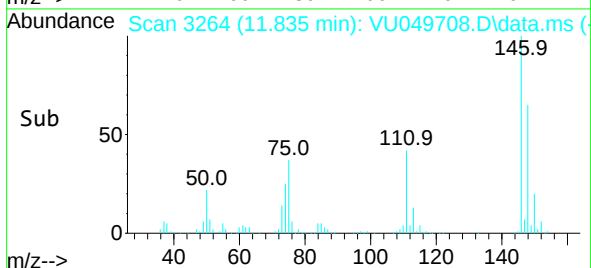
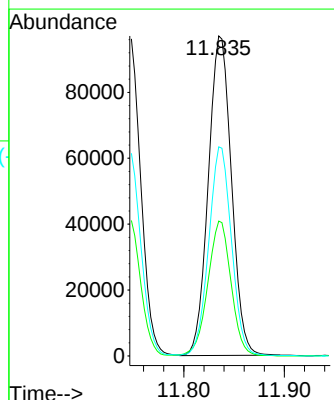
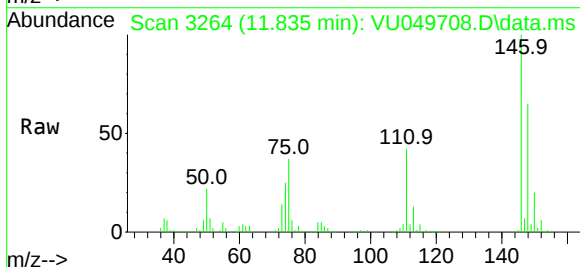
Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

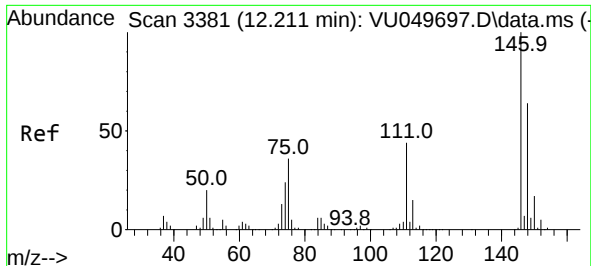
Tgt Ion:146 Resp: 156384
Ion Ratio Lower Upper
146 100
111 42.7 30.0 55.6
148 63.5 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 47.784 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt Ion:146 Resp: 154933
Ion Ratio Lower Upper
146 100
111 42.1 29.1 54.1
148 65.3 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 49.132 ug/L

RT: 12.214 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050163

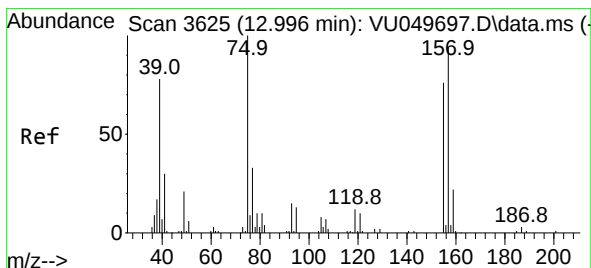
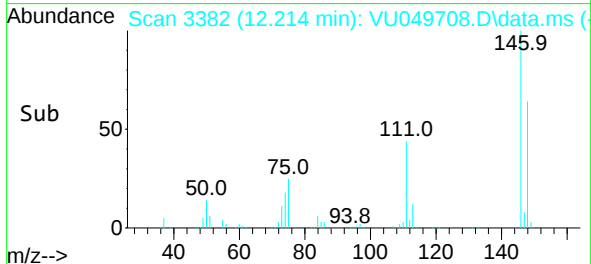
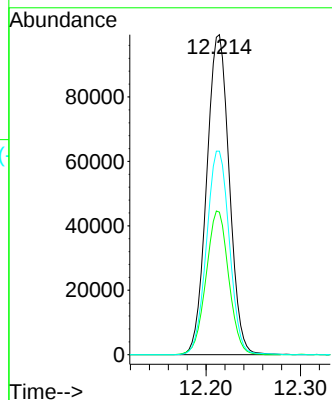
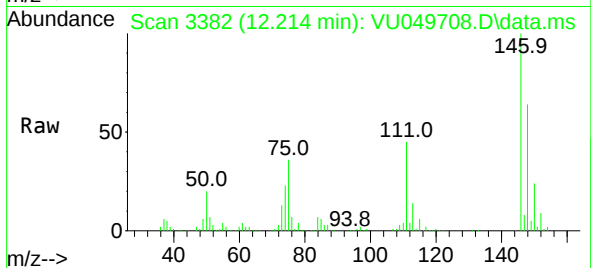
Tgt Ion:146 Resp: 164904

Ion Ratio Lower Upper

146 100

111 44.6 35.8 53.8

148 63.6 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 48.912 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU049708.D

Acq: 14 Jul 2022 09:28

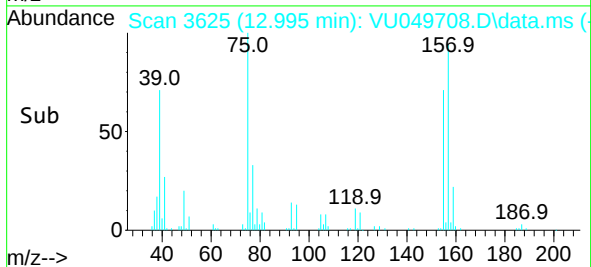
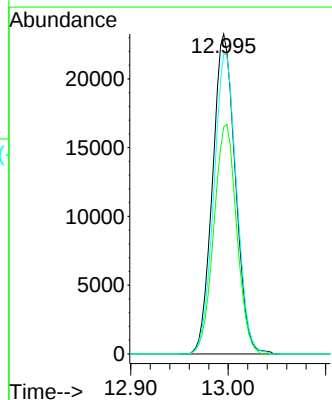
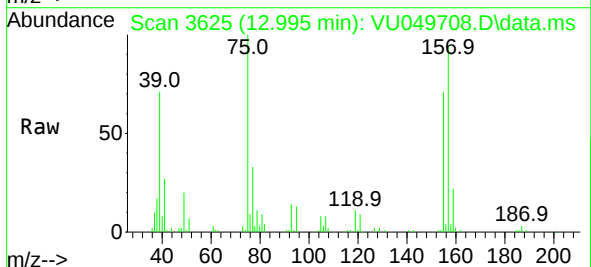
Tgt Ion: 75 Resp: 37802

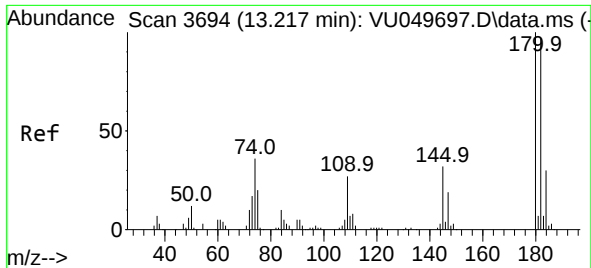
Ion Ratio Lower Upper

75 100

155 70.9 57.7 86.5

157 93.8 75.6 113.4

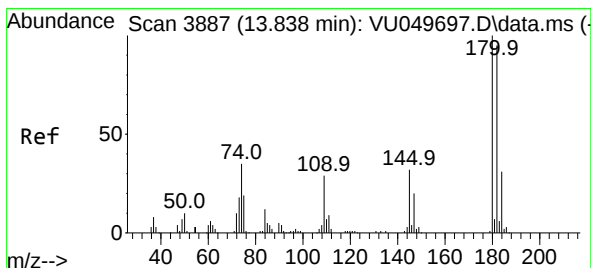
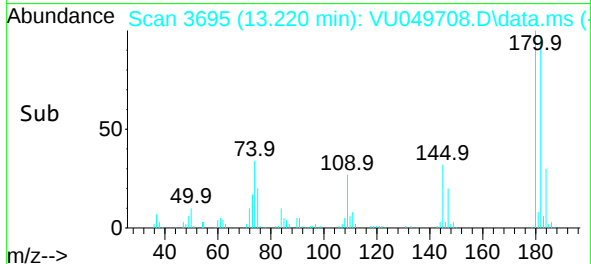
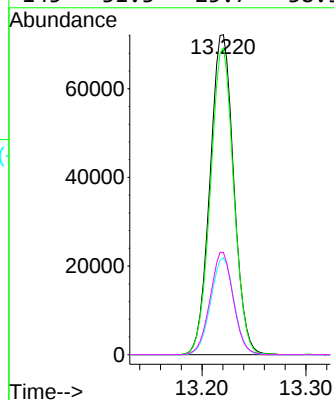
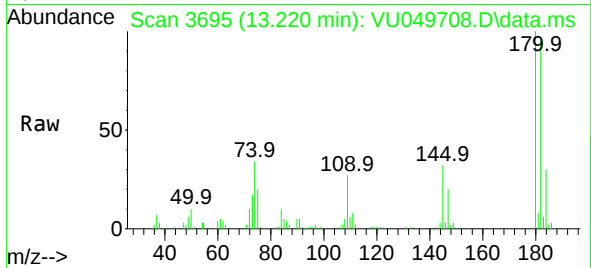




#69
 1,3,5-Trichlorobenzene
 Concen: 50.623 ug/L
 RT: 13.220 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU049708.D
 Acq: 14 Jul 2022 09:28

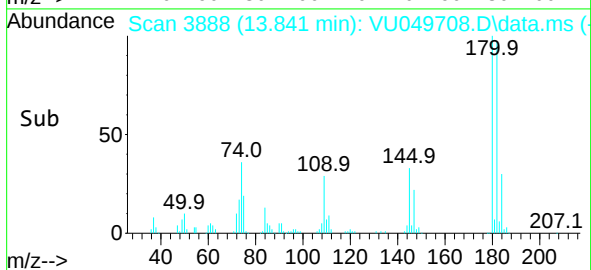
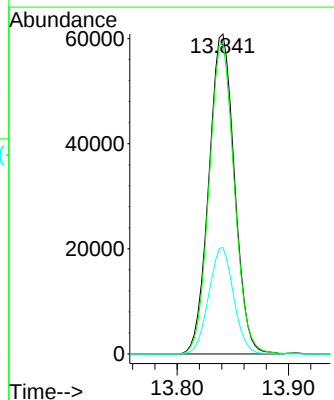
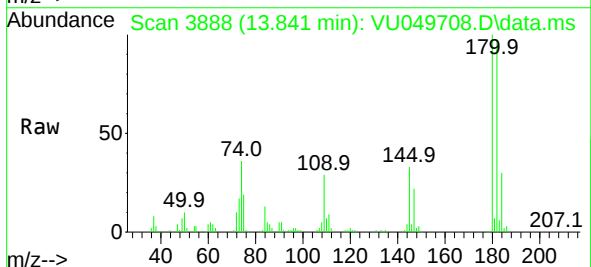
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050163

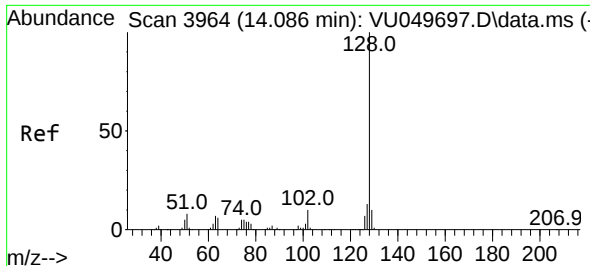
Tgt Ion:180	Resp:	114499
Ion Ratio	Lower	Upper
180	100	
182	93.9	76.0 114.0
184	29.8	24.0 36.0
145	31.3	25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 46.942 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU049708.D
 Acq: 14 Jul 2022 09:28

Tgt Ion:180	Resp:	97433
Ion Ratio	Lower	Upper
180	100	
182	95.5	74.8 112.2
145	32.3	24.7 37.1

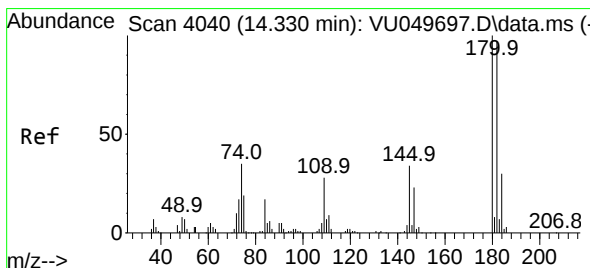
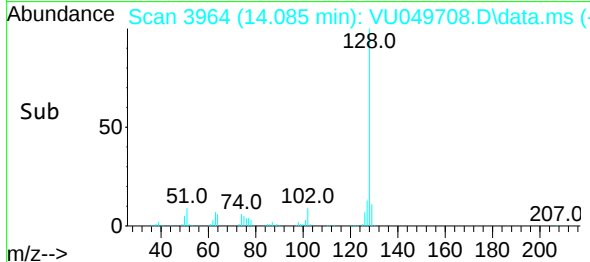
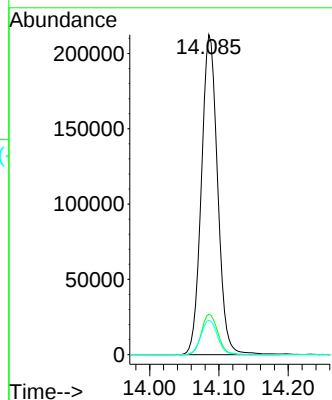
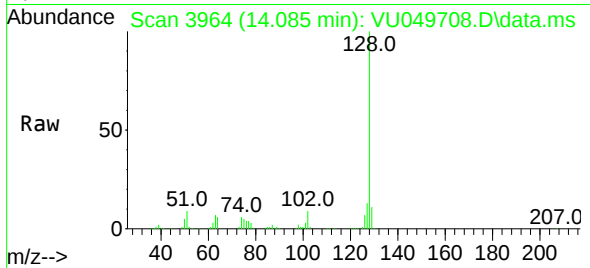




#71
Naphthalene
Concen: 46.648 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

Tgt Ion:128 Resp: 346123
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.1 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 49.433 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU049708.D
Acq: 14 Jul 2022 09:28

Tgt Ion:180 Resp: 106281
Ion Ratio Lower Upper
180 100
182 93.8 76.6 115.0
145 33.6 27.1 40.7

