

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U090922\
 Data File : U050705.D
 Acq On : 09 Sep 2022 17:29
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 10 01:22:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 10 01:20:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	264144	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	275513	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	135296	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67453	29.856	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	59.720%#
7) Chloroethane-d5	1.900	69	57934	37.920	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.840%
11) 1,1-Dichloroethene-d2	2.565	63	149156	37.360	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.720%
21) 2-Butanone-d5	4.620	46	198308	119.973	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.970%
24) Chloroform-d	5.060	84	216319	50.519	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.040%
26) 1,2-Dichloroethane-d4	5.700	65	139060	53.146	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.300%
32) Benzene-d6	5.726	84	391301	42.977	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.960%
36) 1,2-Dichloropropane-d6	6.690	67	134924	45.136	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.280%
41) Toluene-d8	7.896	98	345981	44.436	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.880%
43) trans-1,3-Dichloroprop...	8.179	79	61937	50.077	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.160%
47) 2-Hexanone-d5	8.632	63	83795	111.442	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.440%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	247849	54.790	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.580%
66) 1,2-Dichlorobenzene-d4	12.195	152	146845	46.365	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	110806	43.674	ug/L	100
3) Chloromethane	1.520	50	117915	43.013	ug/L	98
5) Vinyl chloride	1.604	62	96459	37.346	ug/L	99
6) Bromomethane	1.838	94	55842	42.871	ug/L	97
8) Chloroethane	1.922	64	55723	40.620	ug/L	99
9) Trichlorofluoromethane	2.131	101	142302	45.221	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	93172	45.136	ug/L	99
12) 1,1-Dichloroethene	2.575	96	89593	44.669	ug/L	91
13) Acetone	2.623	43	161611	129.612	ug/L	99
14) Carbon disulfide	2.787	76	254209	42.741	ug/L	99
15) Methyl Acetate	2.945	43	144764	54.897	ug/L	97
16) Methylene chloride	3.041	84	132537	50.350	ug/L	92
17) trans-1,2-Dichloroethene	3.350	96	98516	46.319	ug/L	95
18) Methyl tert-butyl Ether	3.363	73	350754	53.189	ug/L	99
19) 1,1-Dichloroethane	3.867	63	200856	48.948	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	121687	50.708	ug/L	93
22) 2-Butanone	4.700	43	226769	116.280	ug/L	95
23) Bromochloromethane	4.973	128	68332	55.104	ug/L	92
25) Chloroform	5.086	83	221968	53.094	ug/L	100

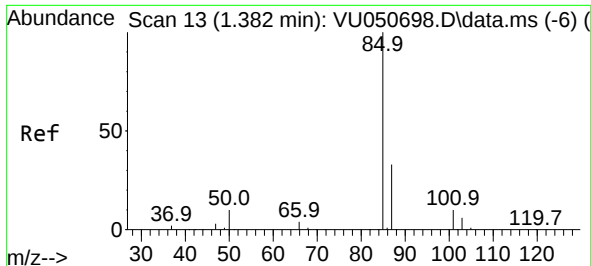
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090922\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	171534	55.359	ug/L	100
29) Cyclohexane	5.388	56	137662	37.309	ug/L	96
30) 1,1,1-Trichloroethane	5.314	97	173922	46.868	ug/L	99
31) Carbon tetrachloride	5.523	117	143522	47.206	ug/L	99
33) Benzene	5.774	78	475494	47.423	ug/L	100
34) Trichloroethene	6.542	95	104062	44.541	ug/L	94
35) Methylcyclohexane	6.764	83	145869	39.272	ug/L	98
37) 1,2-Dichloropropane	6.790	63	127206	48.030	ug/L	99
38) Bromodichloromethane	7.105	83	168753	54.166	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	175117	48.848	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	372583	103.233	ug/L	98
42) Toluene	7.970	91	486203	47.737	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	177017	52.629	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	135142	53.118	ug/L	99
46) Tetrachloroethene	8.555	164	77120	45.194	ug/L	97
48) 2-Hexanone	8.684	43	342998	101.832	ug/L	99
49) Dibromochloromethane	8.809	129	138293	56.989	ug/L	99
50) 1,2-Dibromoethane	8.922	107	142435	55.049	ug/L	97
51) Chlorobenzene	9.446	112	303131	47.955	ug/L	99
52) Ethylbenzene	9.571	91	468247	46.538	ug/L	100
53) m,p-Xylene	9.693	106	185555	48.136	ug/L	97
54) o-Xylene	10.102	106	191761	49.967	ug/L	98
55) Styrene	10.115	104	333511	52.817	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	246552	54.404	ug/L	98
59) Bromoform	10.292	173	105885	52.454	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	194545	49.007	ug/L	98
61) Isopropylbenzene	10.484	105	445891	41.636	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	384257	41.970	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	378260	43.024	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	222384	47.194	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	214359	46.022	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	236357	47.096	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	52682	50.254	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	146122	42.730	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	111506	38.401	ug/L	100
71) Naphthalene	14.089	128	366475	35.597	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	123117	39.153	ug/L	99

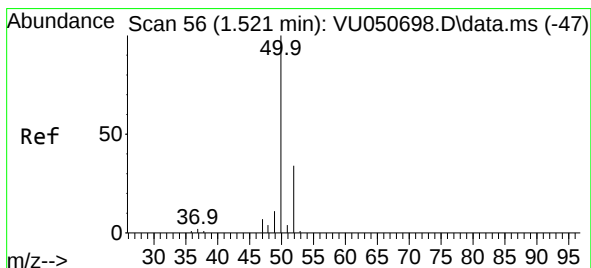
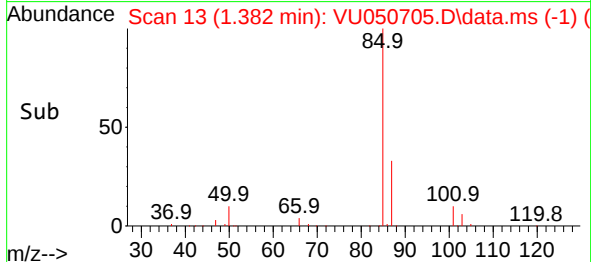
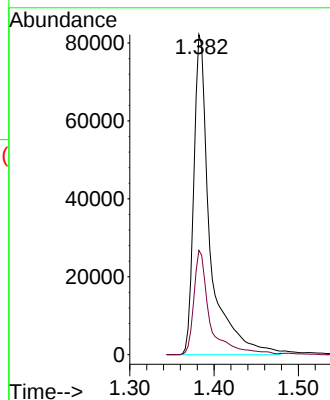
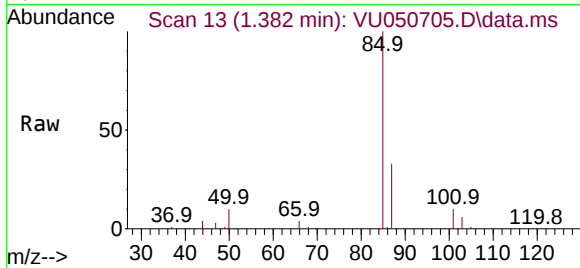
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#2
 Dichlorodifluoromethane
 Concen: 43.674 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VU050705.D
 Acq: 09 Sep 2022 17:29

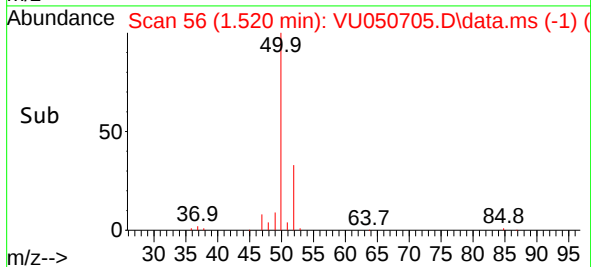
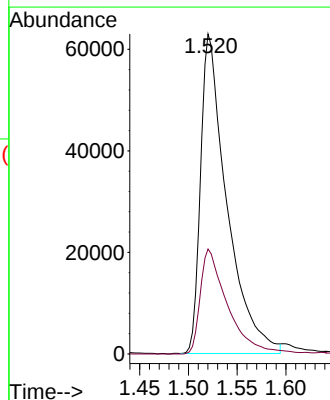
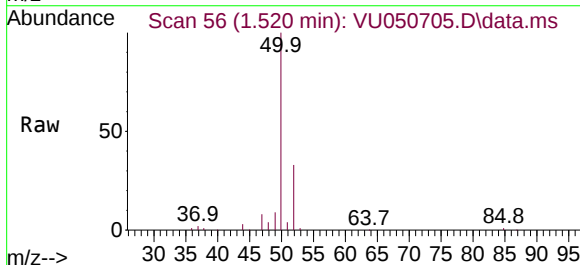
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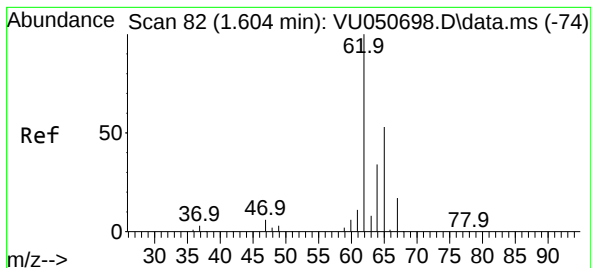
Tgt Ion: 85 Resp: 110806
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.8 38.8



#3
 Chloromethane
 Concen: 43.013 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.000 min
 Lab File: VU050705.D
 Acq: 09 Sep 2022 17:29

Tgt Ion: 50 Resp: 117915
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.7 43.9





#5

Vinyl chloride

Concen: 37.346 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

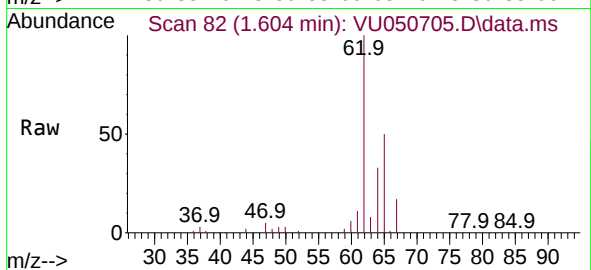
Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

ClientSampleId :

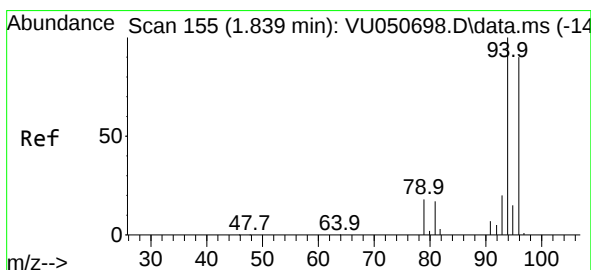
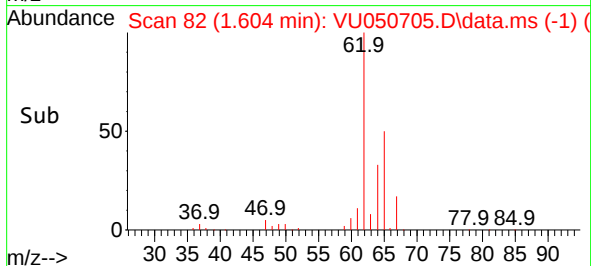
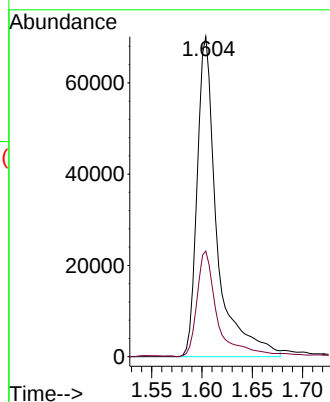


Tgt Ion: 62 Resp: 96459

Ion Ratio Lower Upper

62 100

64 33.0 23.5 43.7



#6

Bromomethane

Concen: 42.871 ug/L

RT: 1.838 min Scan# 155

Delta R.T. -0.000 min

Lab File: VU050705.D

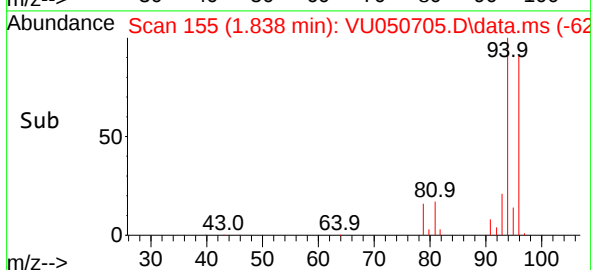
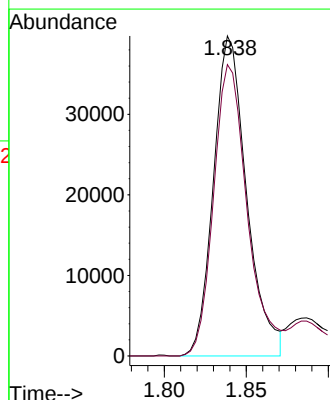
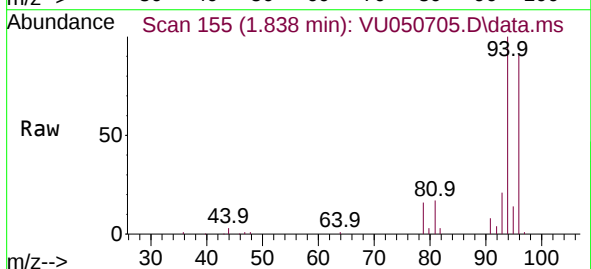
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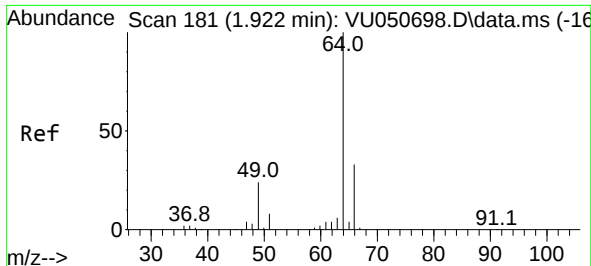
Tgt Ion: 94 Resp: 55842

Ion Ratio Lower Upper

94 100

96 91.0 65.6 121.8

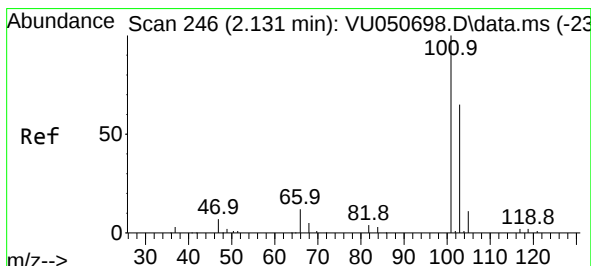
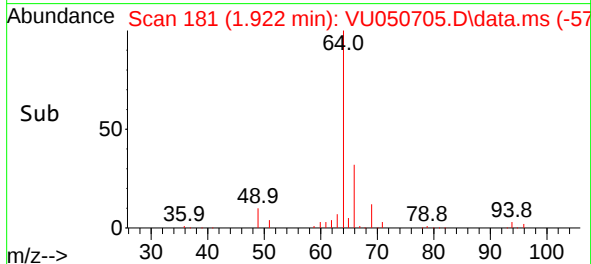
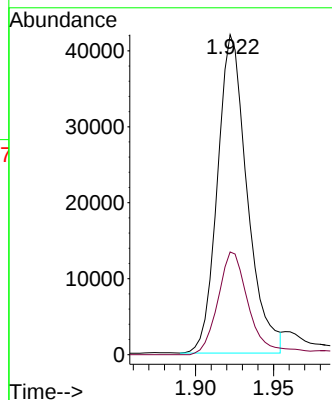
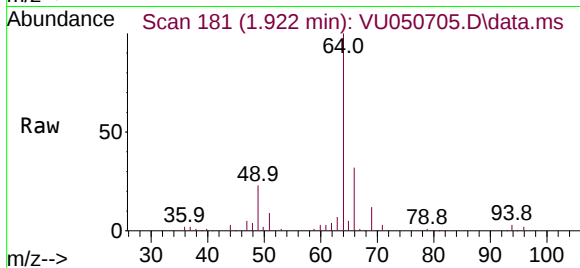




#8
Chloroethane
Concen: 40.620 ug/L
RT: 1.922 min Scan# 181
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

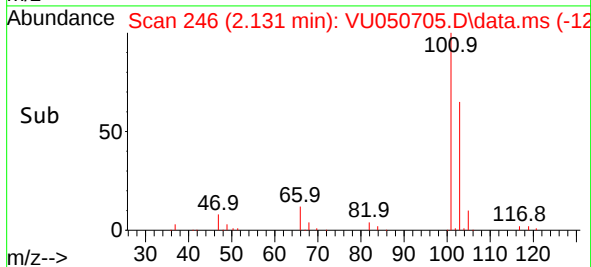
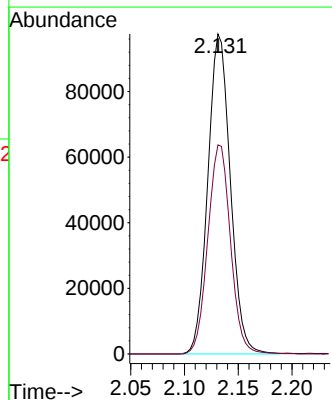
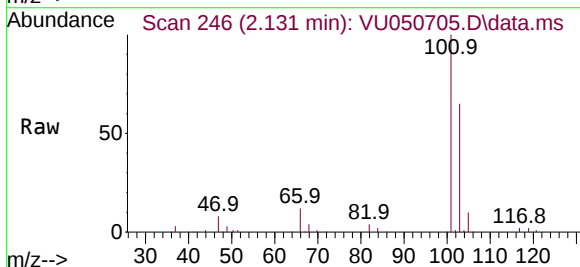
Instrument :
MSVOA_U
ClientSampleId :

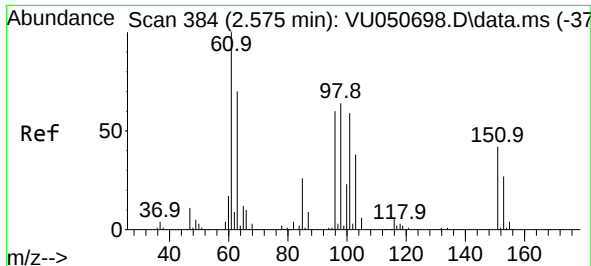
Tgt Ion: 64 Resp: 55723
Ion Ratio Lower Upper
64 100
66 32.1 21.9 40.7



#9
Trichlorofluoromethane
Concen: 45.221 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

Tgt Ion:101 Resp: 142302
Ion Ratio Lower Upper
101 100
103 65.6 51.4 77.0

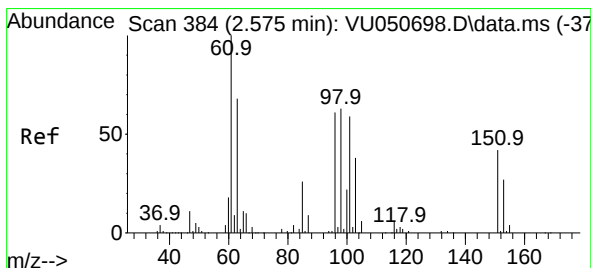
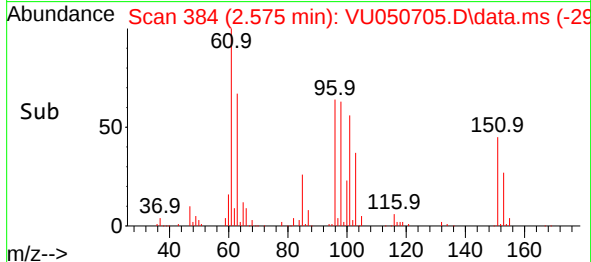
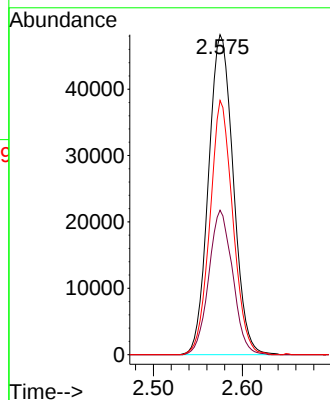
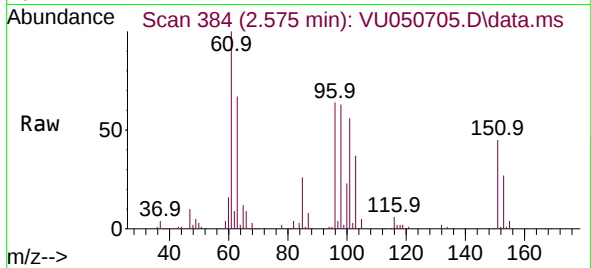




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.136 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU050705.D
 Acq: 09 Sep 2022 17:29

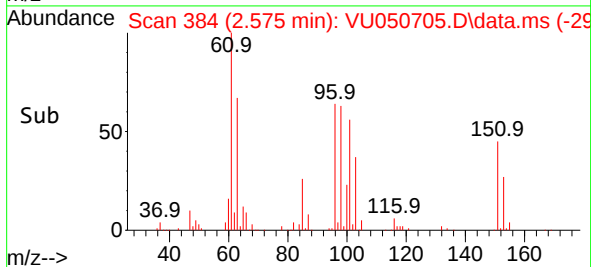
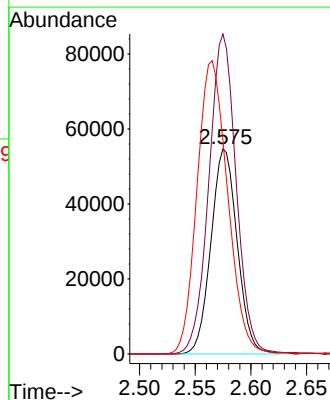
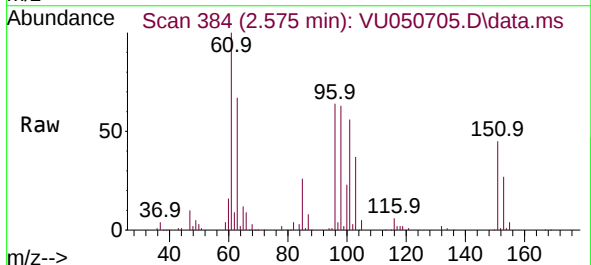
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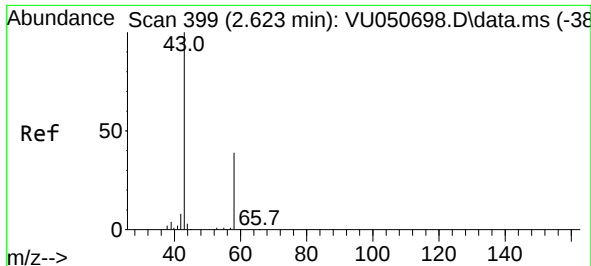
Tgt Ion:101 Resp: 93172
 Ion Ratio Lower Upper
 101 100
 85 43.4 34.4 51.6
 151 73.7 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 44.669 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU050705.D
 Acq: 09 Sep 2022 17:29

Tgt Ion: 96 Resp: 89593
 Ion Ratio Lower Upper
 96 100
 61 156.2 118.0 219.1
 63 104.2 79.5 147.7





#13

Acetone

Concen: 129.612 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

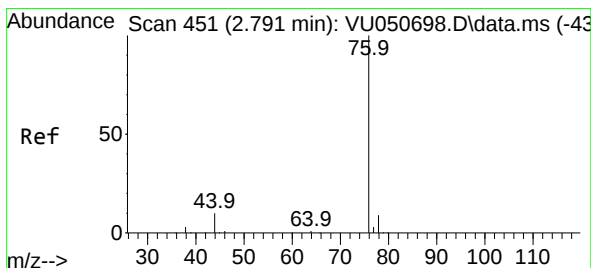
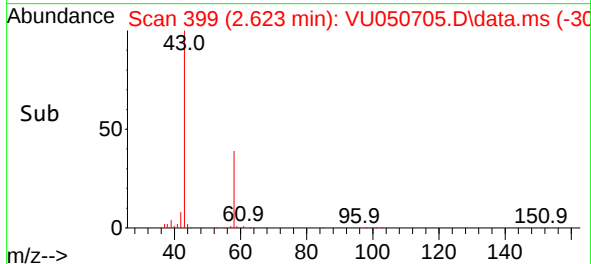
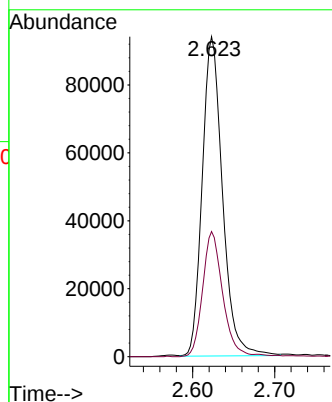
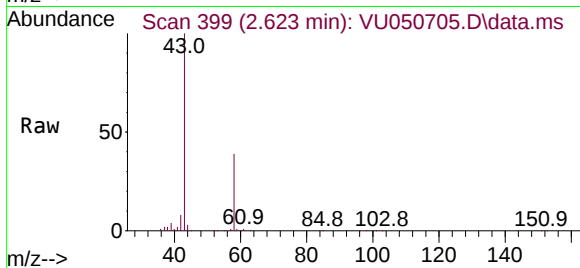
ClientSampleId :

Tgt Ion: 43 Resp: 161611

Ion Ratio Lower Upper

43 100

58 38.4 0.0 76.2



#14

Carbon disulfide

Concen: 42.741 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.004 min

Lab File: VU050705.D

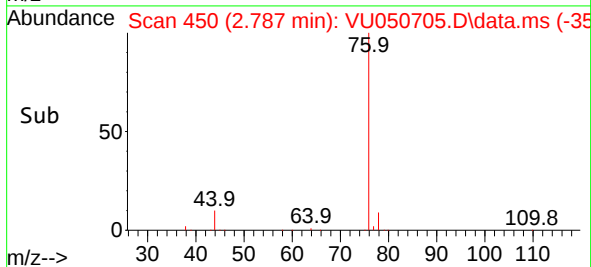
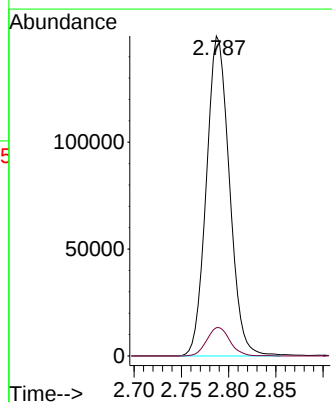
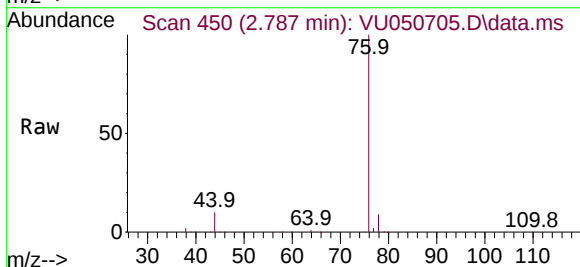
Acq: 09 Sep 2022 17:29

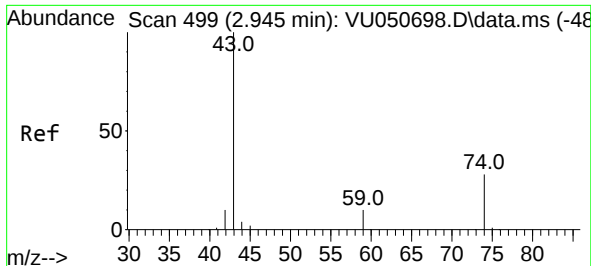
Tgt Ion: 76 Resp: 254209

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

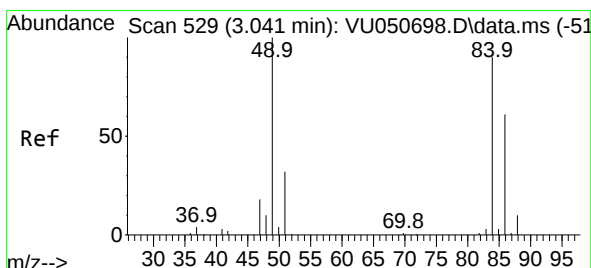
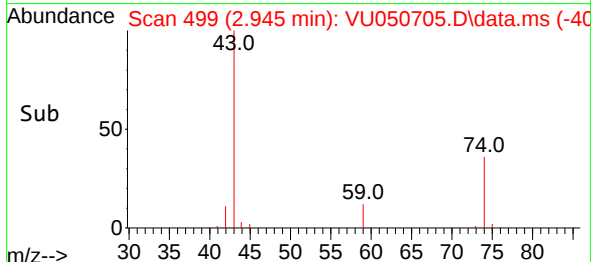
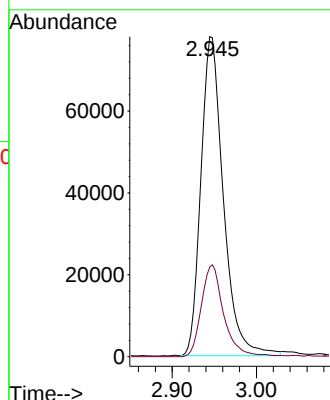
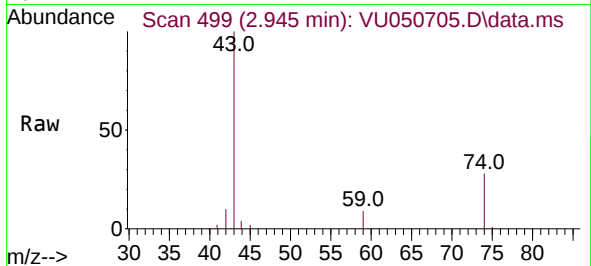




#15
Methyl Acetate
Concen: 54.897 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

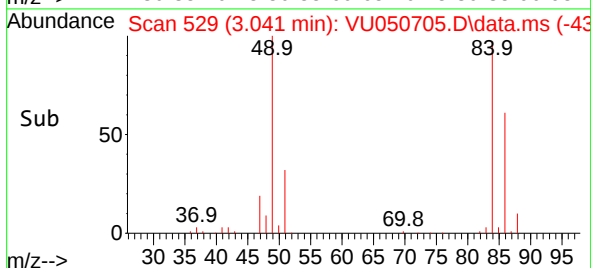
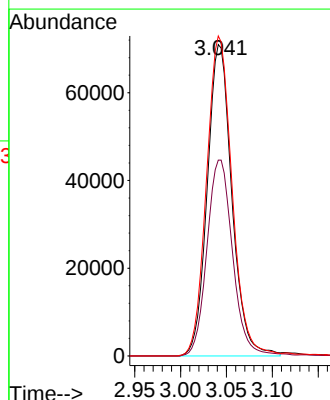
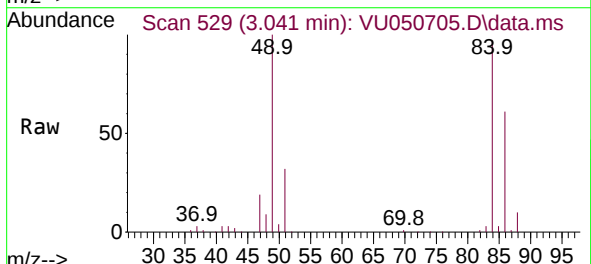
Instrument :
MSVOA_U
ClientSampleId :

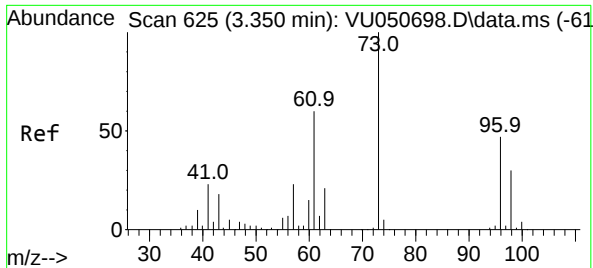
Tgt Ion: 43 Resp: 144764
Ion Ratio Lower Upper
43 100
74 28.2 21.2 31.8



#16
Methylene chloride
Concen: 50.350 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

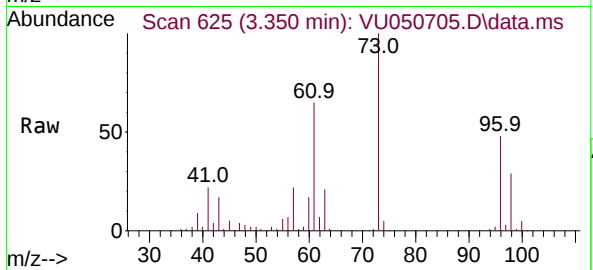
Tgt Ion: 84 Resp: 132537
Ion Ratio Lower Upper
84 100
86 62.9 44.8 83.2
49 102.8 80.6 149.8



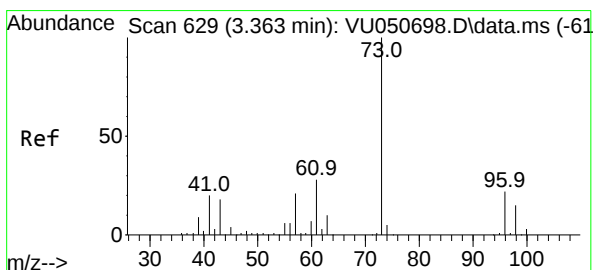
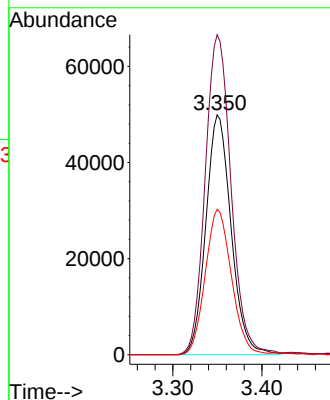
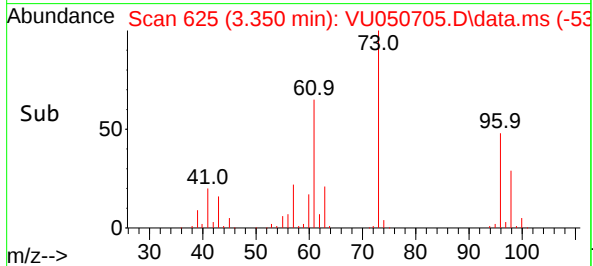


#17
trans-1,2-Dichloroethene
Concen: 46.319 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

Instrument :
MSVOA_U
ClientSampleId :

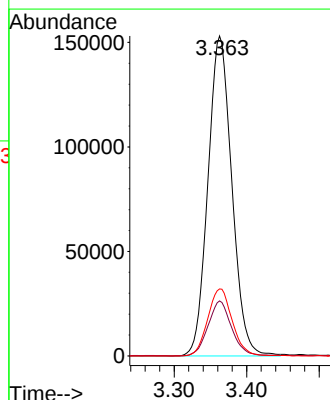
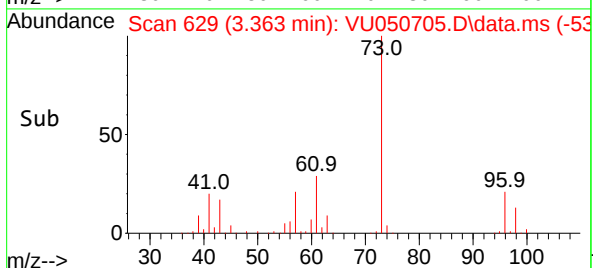
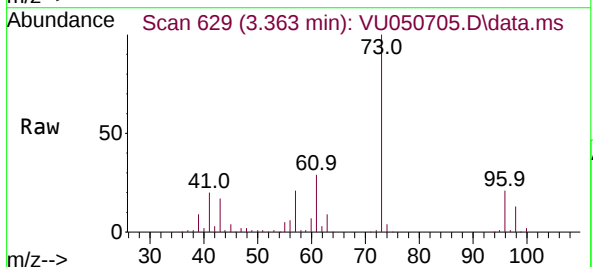


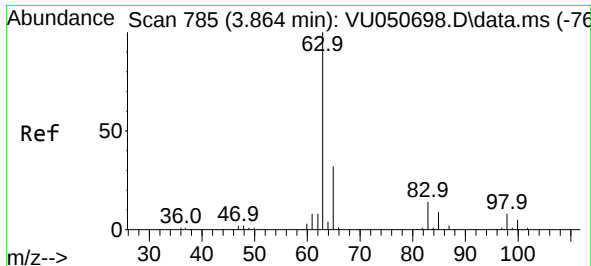
Tgt Ion: 96 Resp: 98516
Ion Ratio Lower Upper
96 100
61 133.4 97.9 181.7
98 60.7 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 53.189 ug/L
RT: 3.363 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

Tgt Ion: 73 Resp: 350754
Ion Ratio Lower Upper
73 100
43 16.7 13.4 20.2
57 21.4 17.8 26.8





#19

1,1-Dichloroethane

Concen: 48.948 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

ClientSampleId :

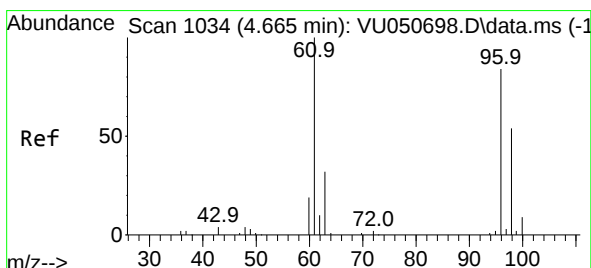
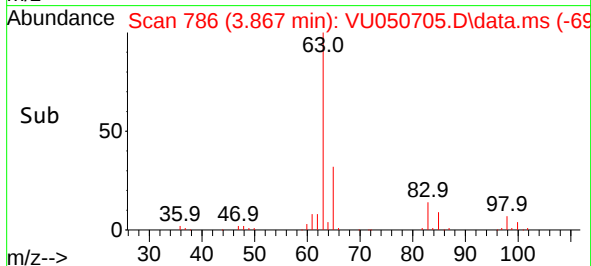
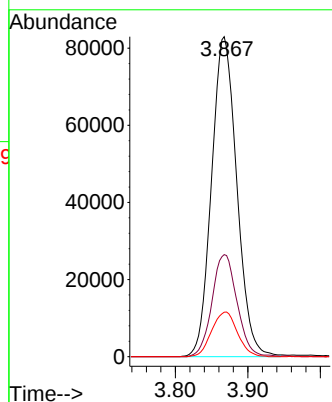
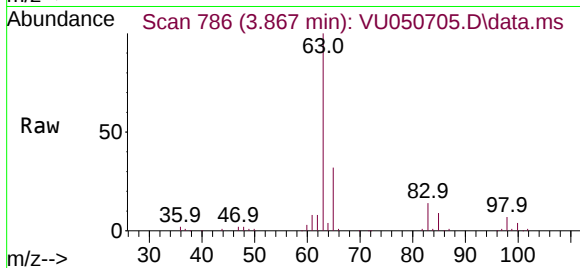
Tgt Ion: 63 Resp: 200856

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

83 13.9 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 50.708 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

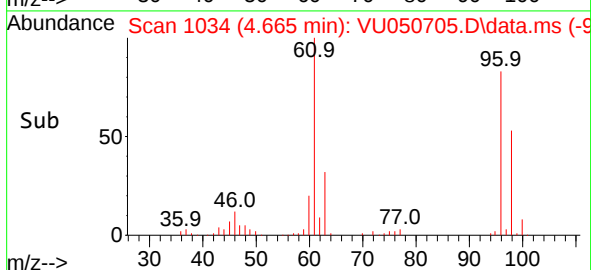
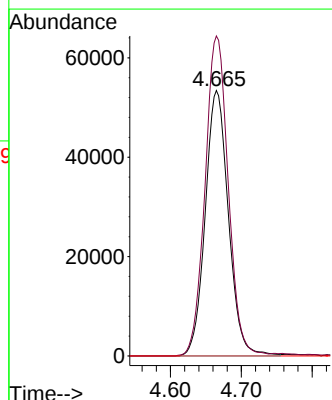
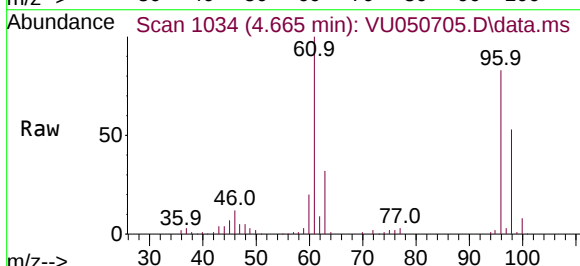
Tgt Ion: 96 Resp: 121687

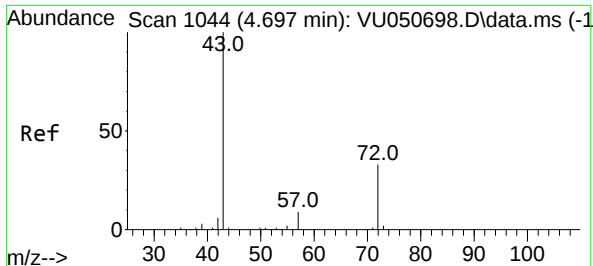
Ion Ratio Lower Upper

96 100

61 120.6 89.8 166.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 116.280 ug/L

RT: 4.700 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

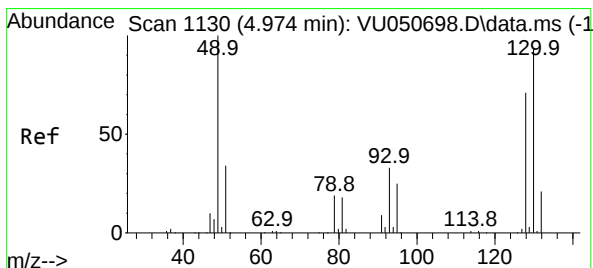
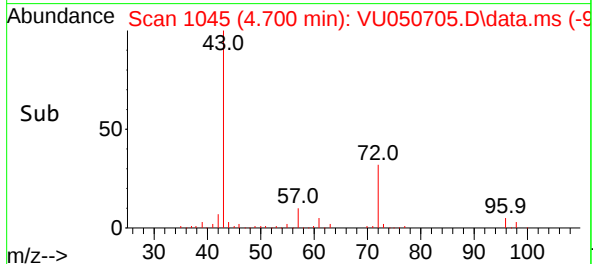
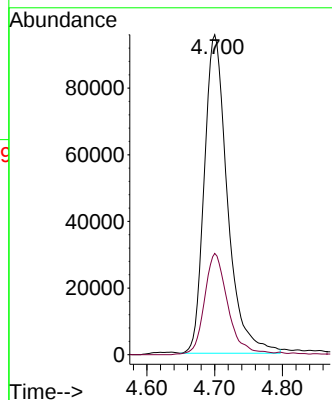
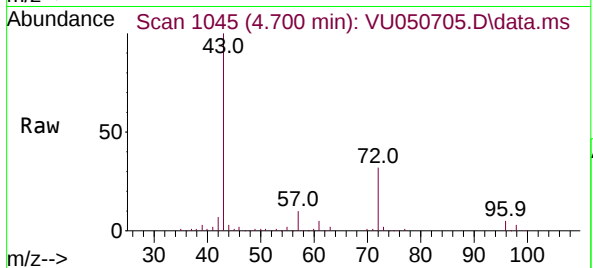
ClientSampleId :

Tgt Ion: 43 Resp: 226769

Ion Ratio Lower Upper

43 100

72 31.9 14.6 44.0



#23

Bromochloromethane

Concen: 55.104 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Tgt Ion:128 Resp: 68332

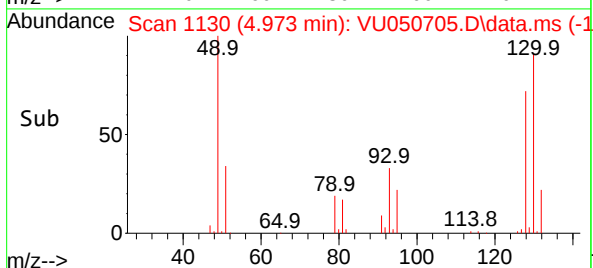
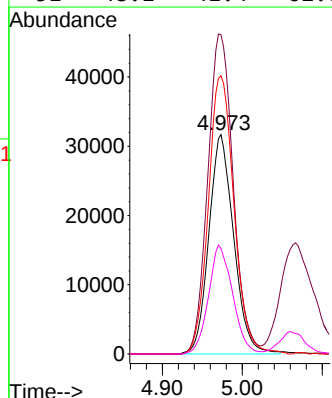
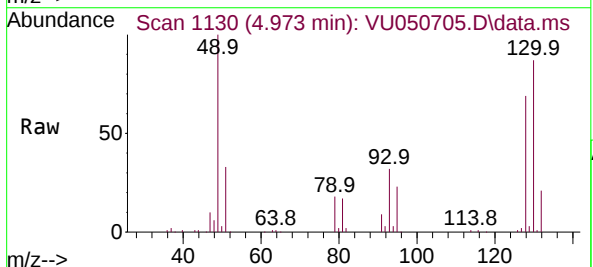
Ion Ratio Lower Upper

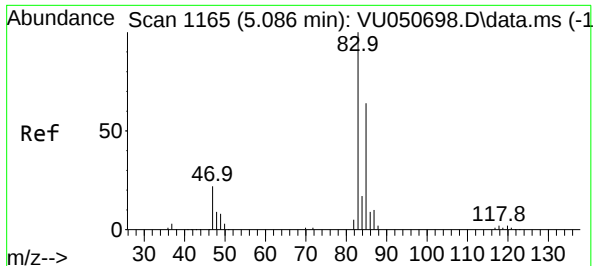
128 100

49 145.5 112.5 208.9

130 126.8 91.8 170.4

51 48.1 41.4 62.0





#25

Chloroform

Concen: 53.094 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

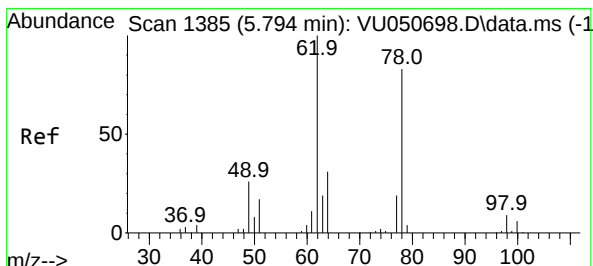
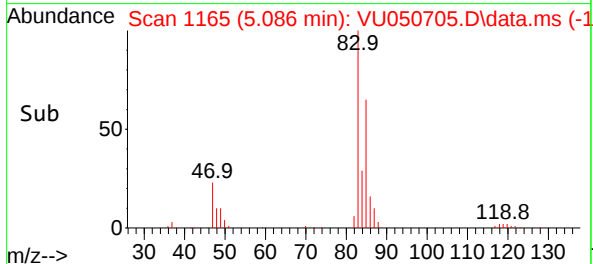
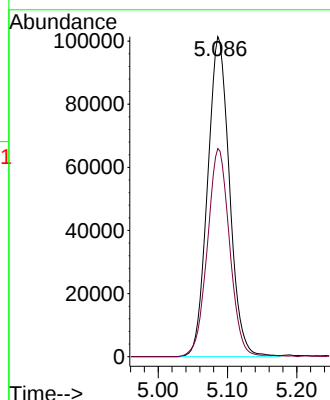
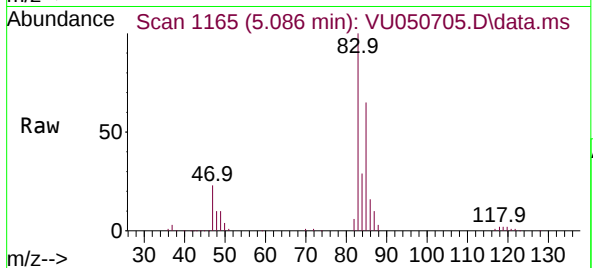
ClientSampleId :

Tgt Ion: 83 Resp: 221968

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.8



#27

1,2-Dichloroethane

Concen: 55.359 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU050705.D

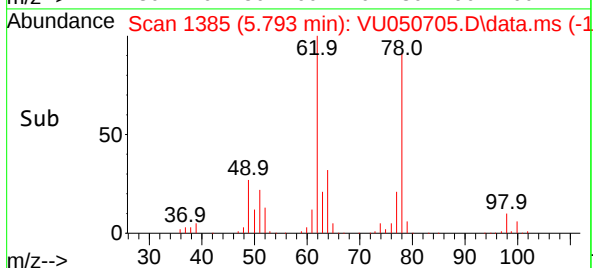
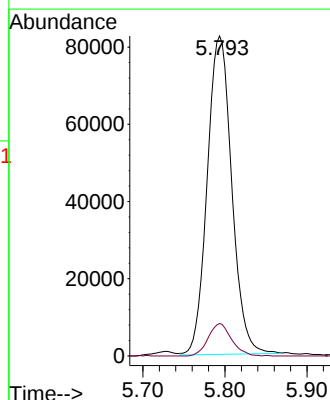
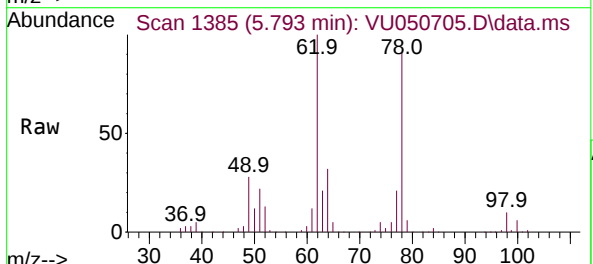
Acq: 09 Sep 2022 17:29

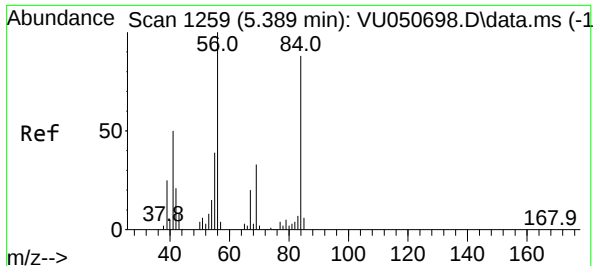
Tgt Ion: 62 Resp: 171534

Ion Ratio Lower Upper

62 100

98 10.2 8.2 12.2





#29

Cyclohexane

Concen: 37.309 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

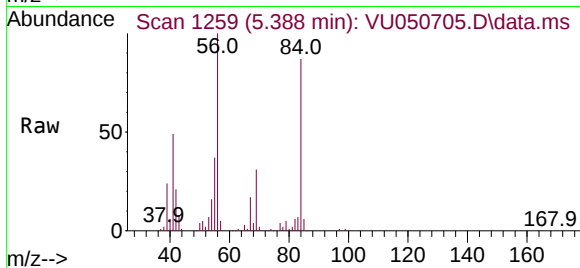
Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

ClientSampleId :



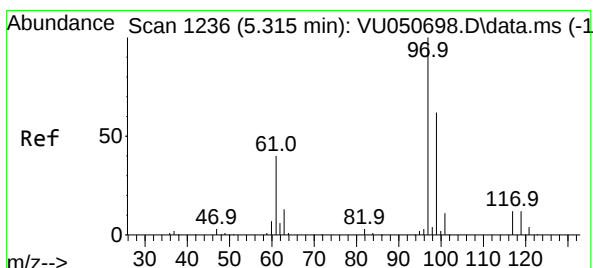
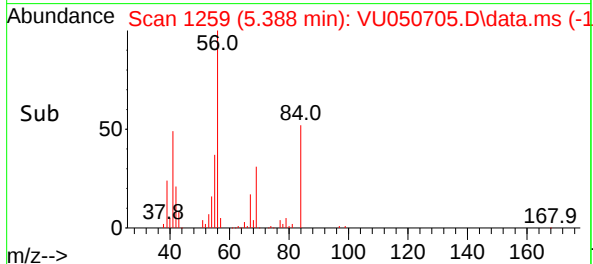
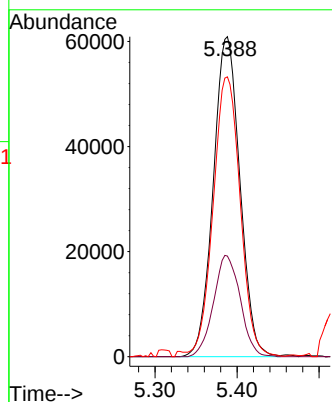
Tgt Ion: 56 Resp: 137662

Ion Ratio Lower Upper

56 100

69 31.7 24.6 37.0

84 88.8 67.4 101.2



#30

1,1,1-Trichloroethane

Concen: 46.868 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

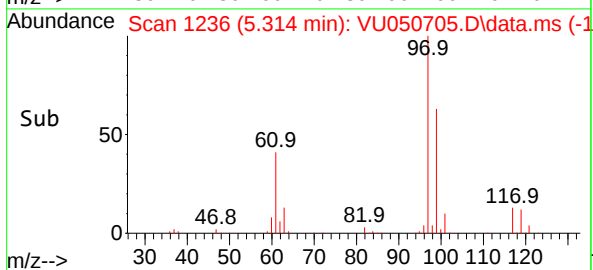
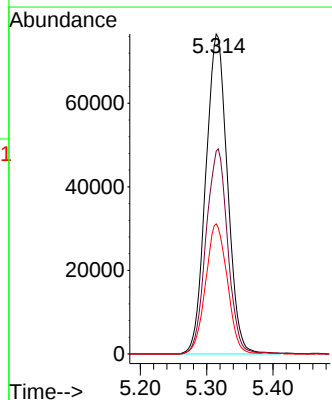
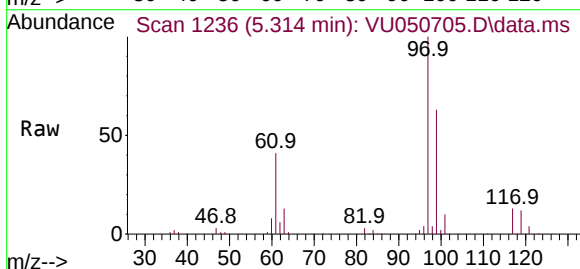
Tgt Ion: 97 Resp: 173922

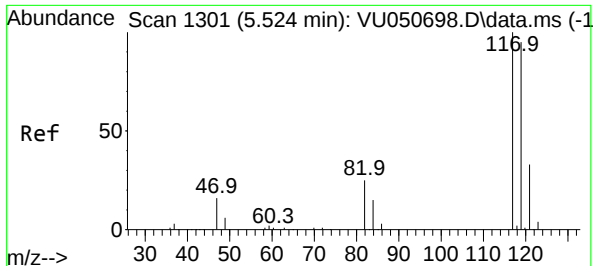
Ion Ratio Lower Upper

97 100

99 63.9 51.2 76.8

61 40.7 34.2 51.4

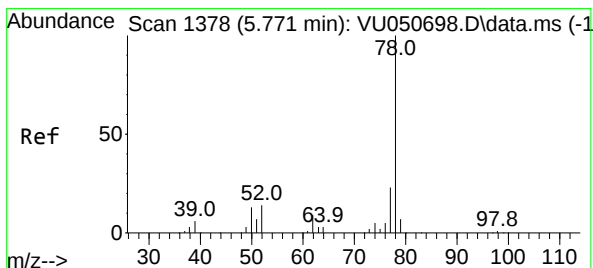
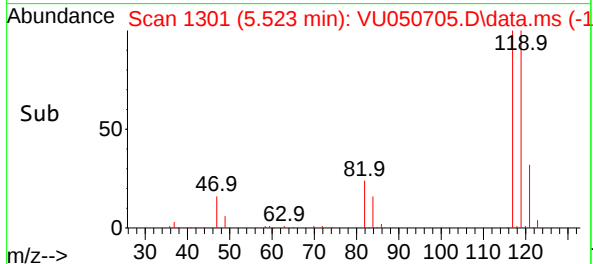
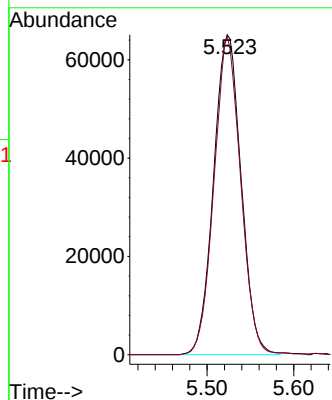
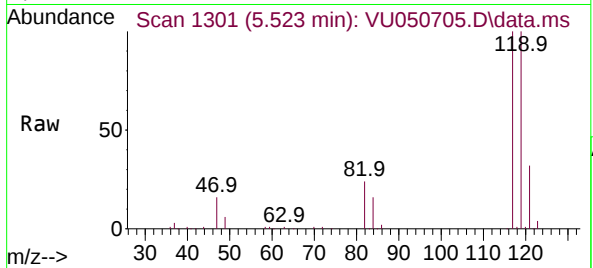




#31
Carbon tetrachloride
Concen: 47.206 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

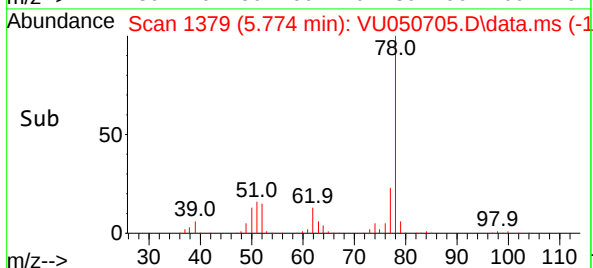
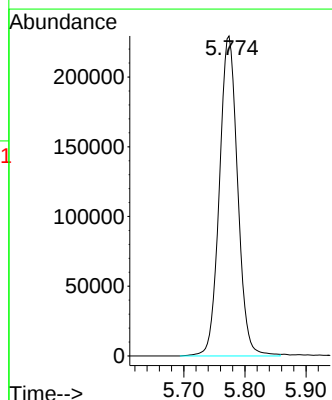
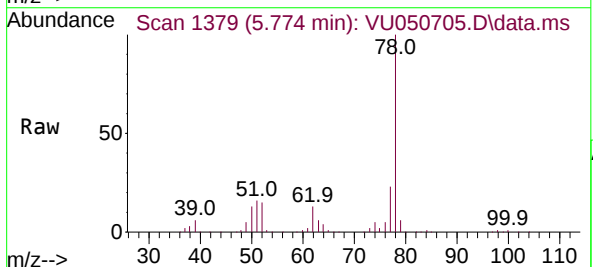
Instrument :
MSVOA_U
ClientSampleId :

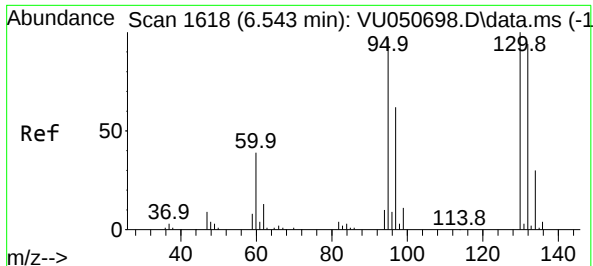
Tgt Ion:117 Resp: 143522
Ion Ratio Lower Upper
117 100
119 95.9 77.4 116.2



#33
Benzene
Concen: 47.423 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

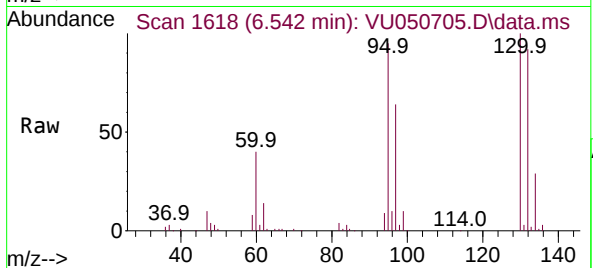
Tgt Ion: 78 Resp: 475494



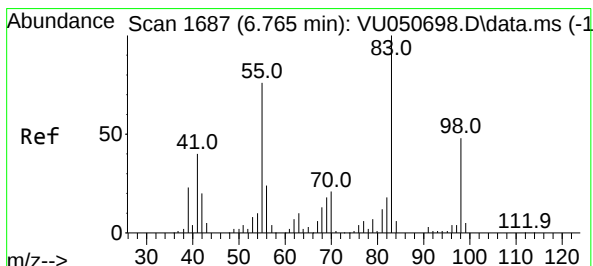
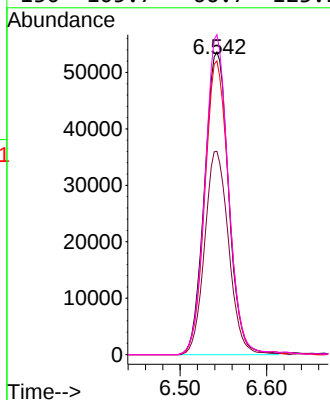
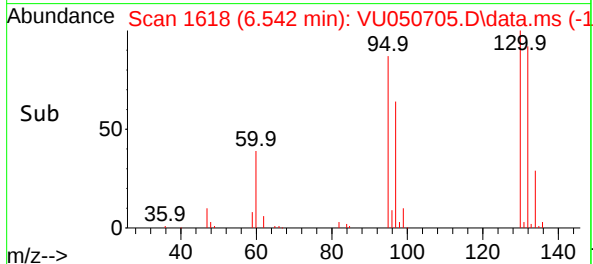


#34
Trichloroethene
Concen: 44.541 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

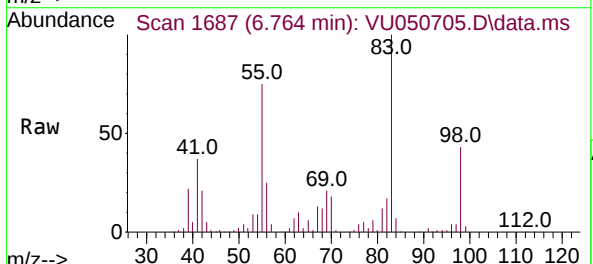
Instrument :
MSVOA_U
ClientSampleId :



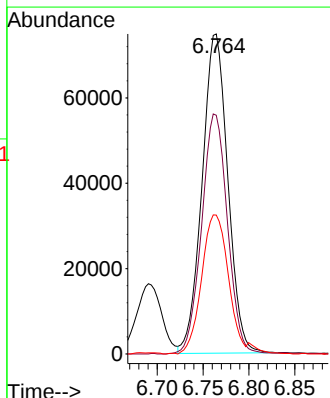
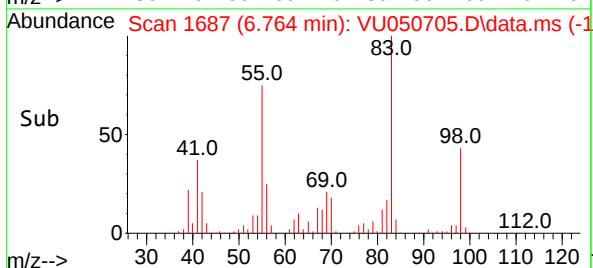
Tgt Ion: 95 Resp: 104062
Ion Ratio Lower Upper
95 100
97 67.2 45.4 84.2
132 97.0 65.2 121.2
130 105.7 66.7 123.9

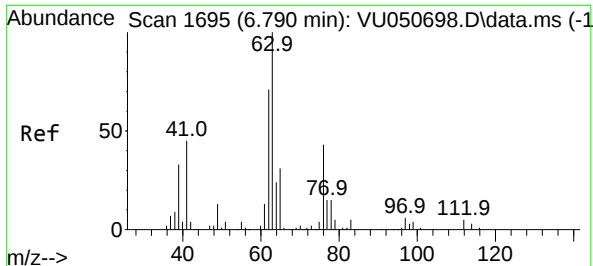


#35
Methylcyclohexane
Concen: 39.272 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29



Tgt Ion: 83 Resp: 145869
Ion Ratio Lower Upper
83 100
55 75.6 62.6 93.8
98 44.9 35.5 53.3





#37

1,2-Dichloropropane

Concen: 48.030 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

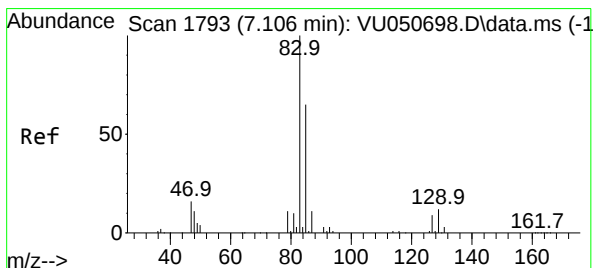
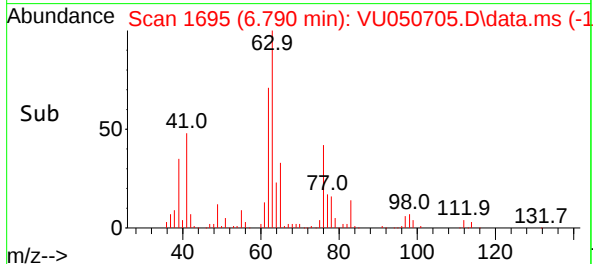
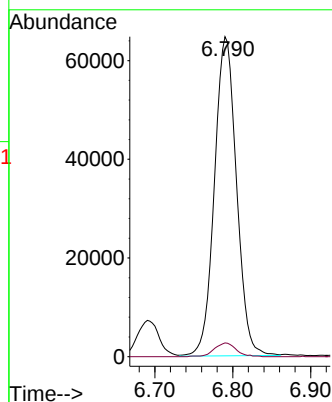
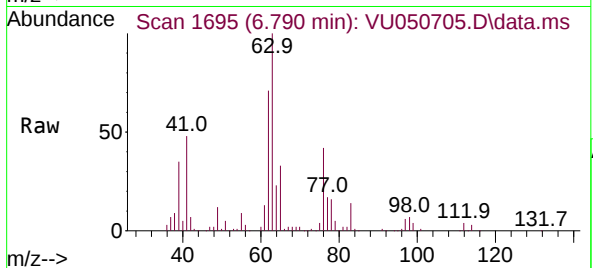
ClientSampleId :

Tgt Ion: 63 Resp: 127206

Ion Ratio Lower Upper

63 100

112 4.2 3.0 4.4



#38

Bromodichloromethane

Concen: 54.166 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

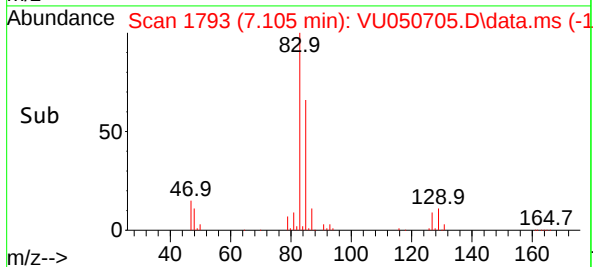
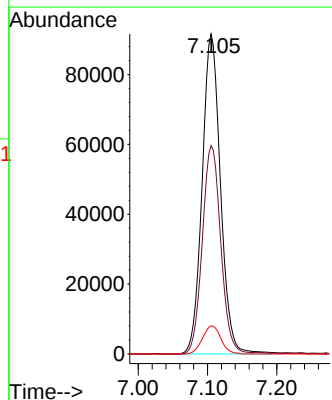
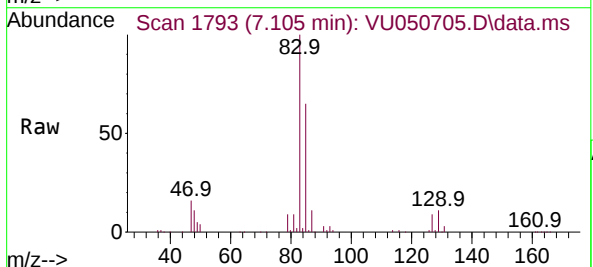
Tgt Ion: 83 Resp: 168753

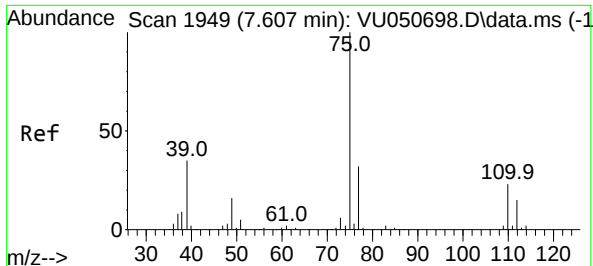
Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.5

127 8.8 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 48.848 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

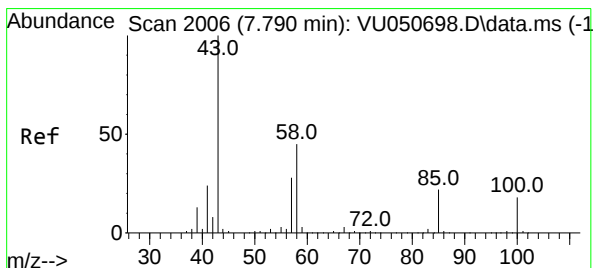
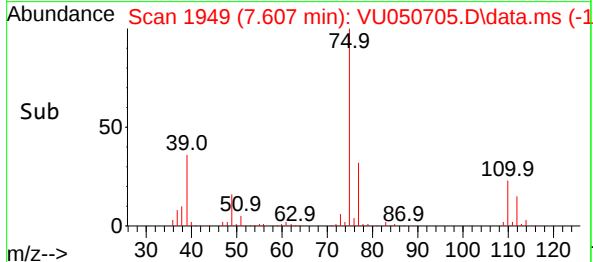
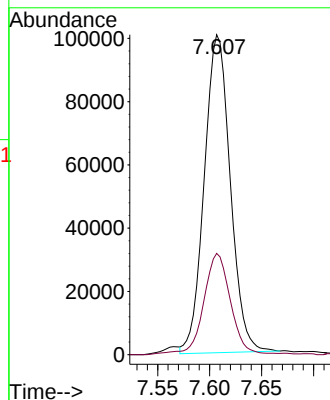
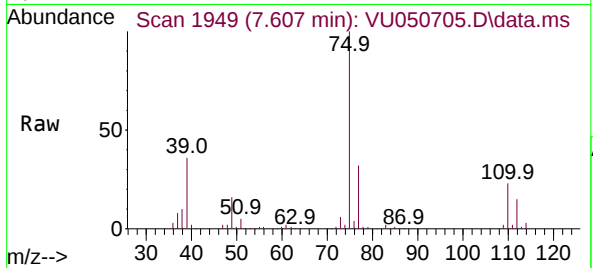
ClientSampleId :

Tgt Ion: 75 Resp: 175117

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 103.233 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

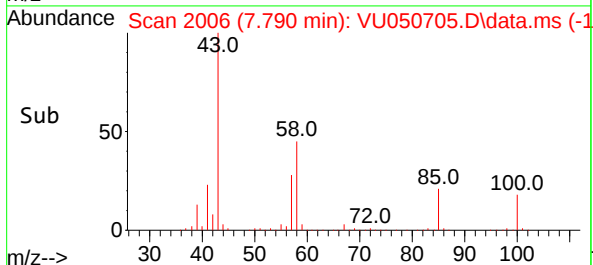
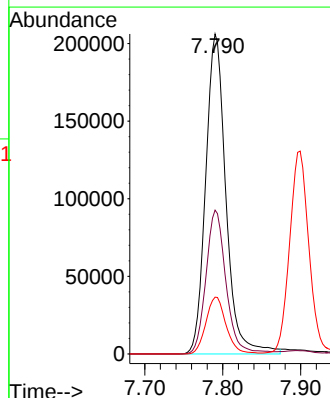
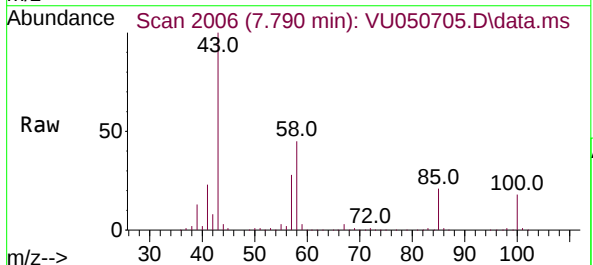
Tgt Ion: 43 Resp: 372583

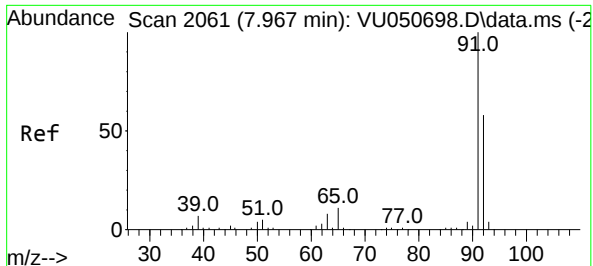
Ion Ratio Lower Upper

43 100

58 44.5 35.1 52.7

100 17.7 12.9 19.3





#42

Toluene

Concen: 47.737 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

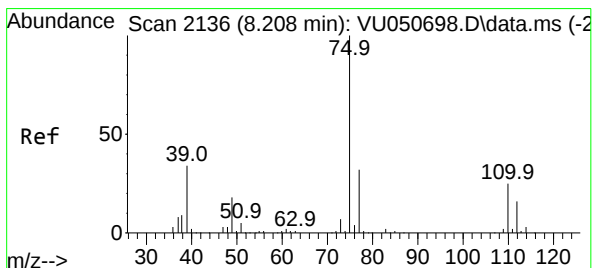
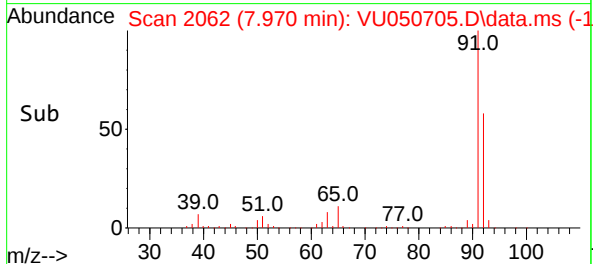
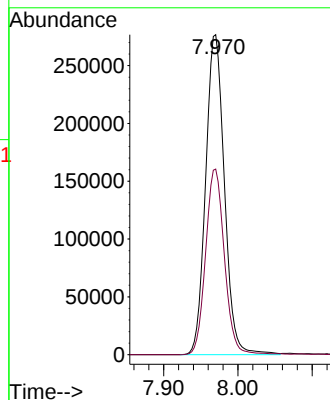
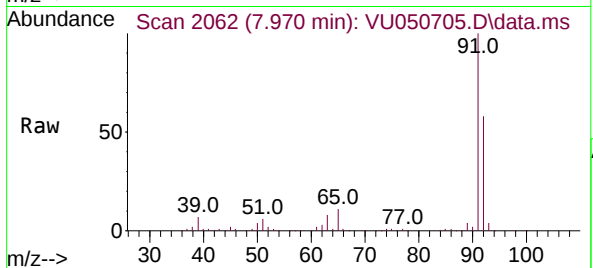
ClientSampleId :

Tgt Ion: 91 Resp: 486203

Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 52.629 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU050705.D

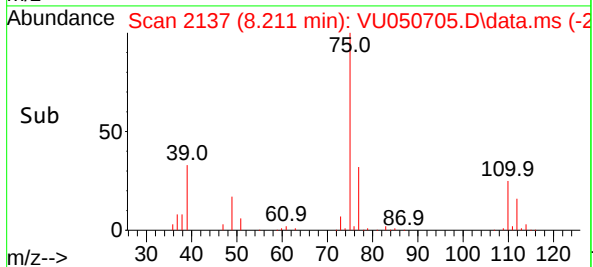
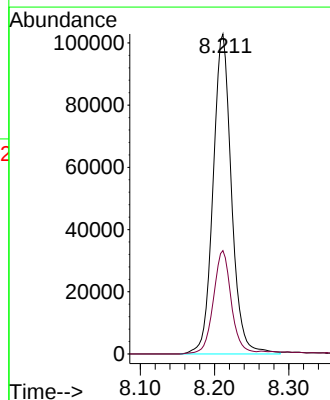
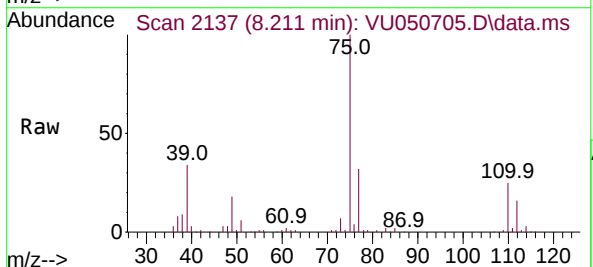
Acq: 09 Sep 2022 17:29

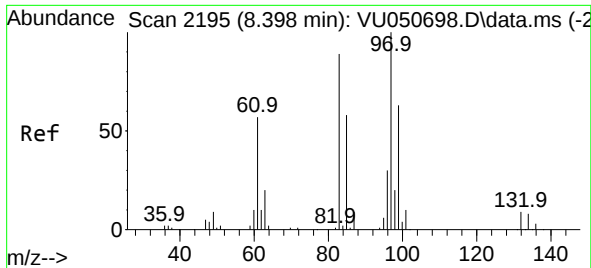
Tgt Ion: 75 Resp: 177017

Ion Ratio Lower Upper

75 100

77 32.3 22.1 41.1

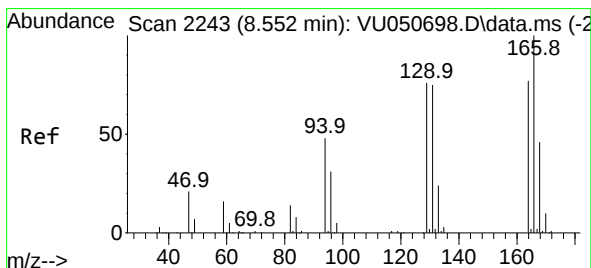
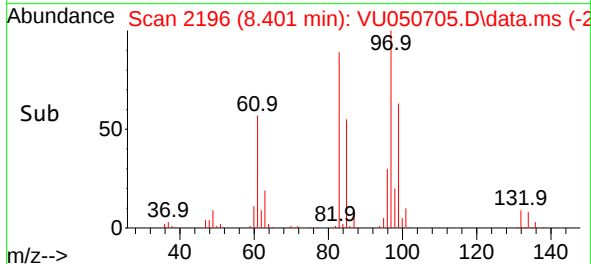
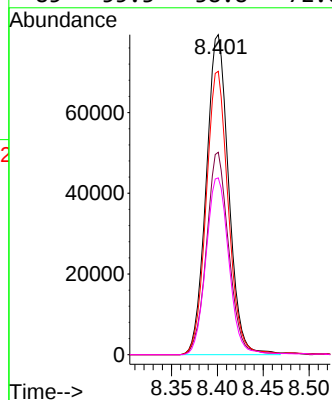
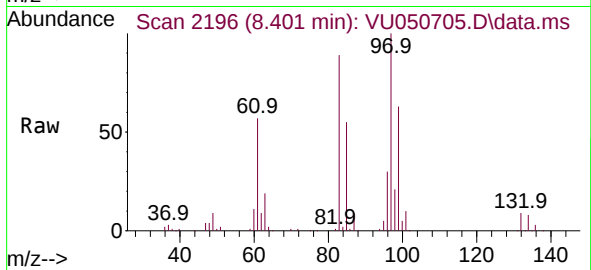




#45
1,1,2-Trichloroethane
Concen: 53.118 ug/L
RT: 8.401 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

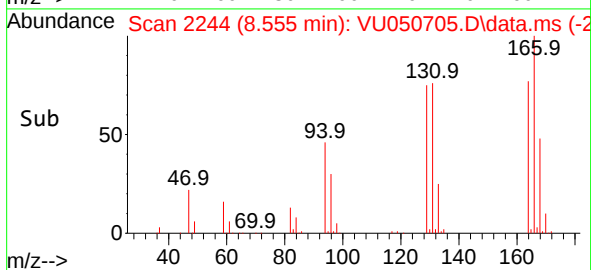
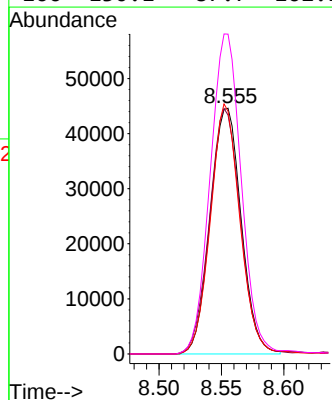
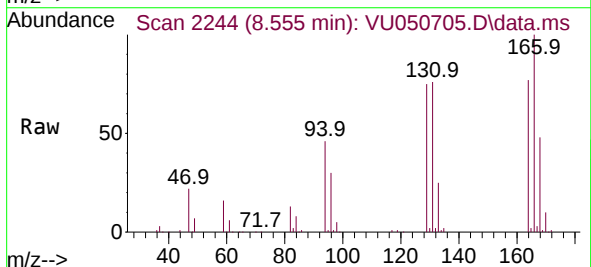
Instrument :
MSVOA_U
ClientSampleId :

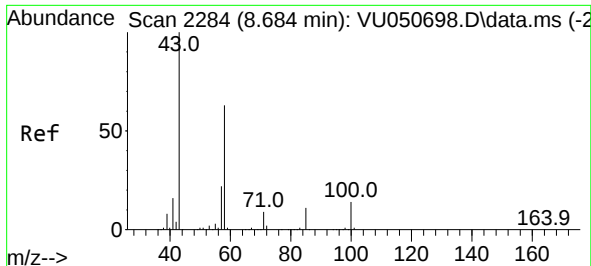
Tgt Ion:	97	Resp:	135142
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.5	80.9
83	88.5	61.6	114.4
85	55.3	38.8	72.0



#46
Tetrachloroethene
Concen: 45.194 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

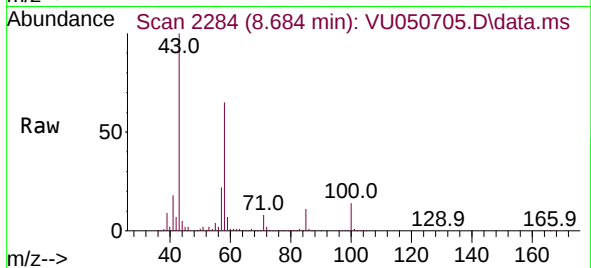
Tgt Ion:	164	Resp:	77120
Ion	Ratio	Lower	Upper
164	100		
129	97.2	68.7	127.5
131	98.7	66.2	123.0
166	130.1	87.7	162.9



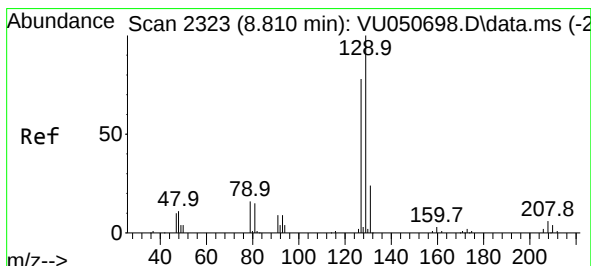
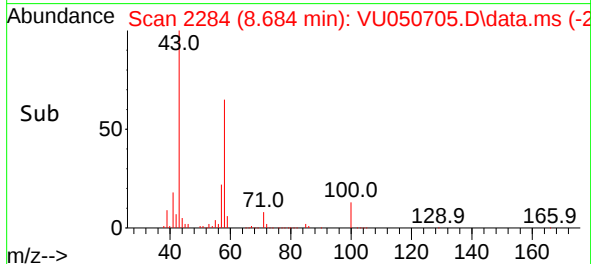
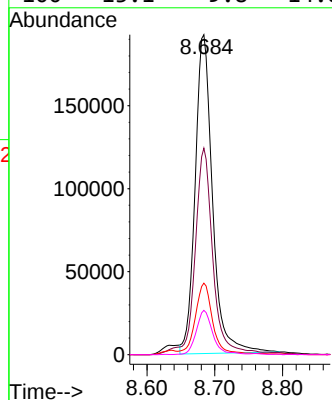


#48
2-Hexanone
Concen: 101.832 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

Instrument :
MSVOA_U
ClientSampleId :

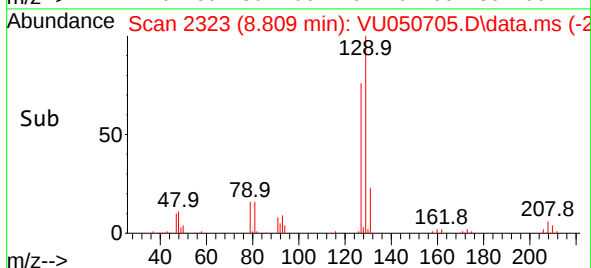
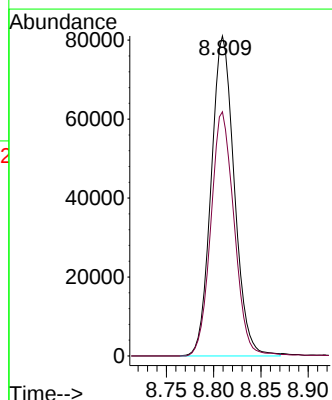
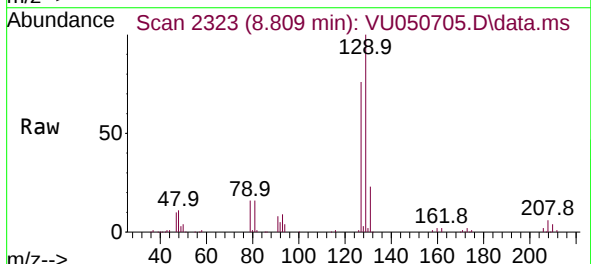


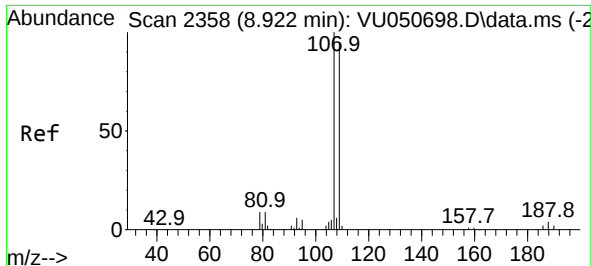
Tgt Ion: 43 Resp: 342998
Ion Ratio Lower Upper
43 100
58 66.1 51.8 77.6
57 21.3 17.0 25.4
100 13.1 9.8 14.8



#49
Dibromochloromethane
Concen: 56.989 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

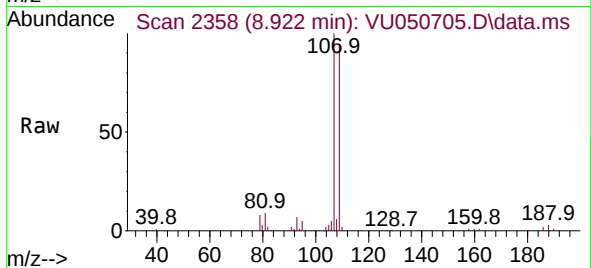
Tgt Ion: 129 Resp: 138293
Ion Ratio Lower Upper
129 100
127 76.3 53.8 100.0



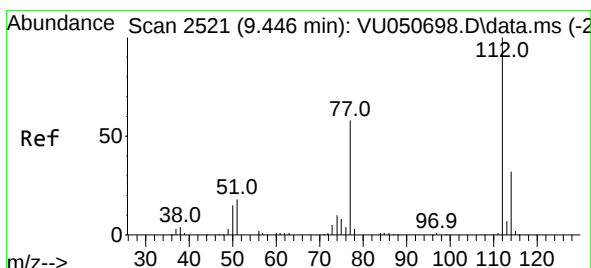
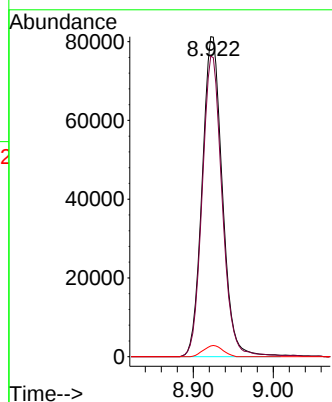
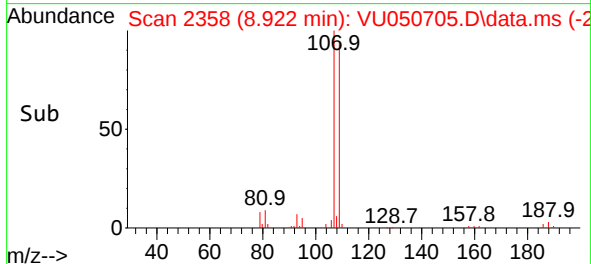


#50
1,2-Dibromoethane
Concen: 55.049 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

Instrument :
MSVOA_U
ClientSampleId :

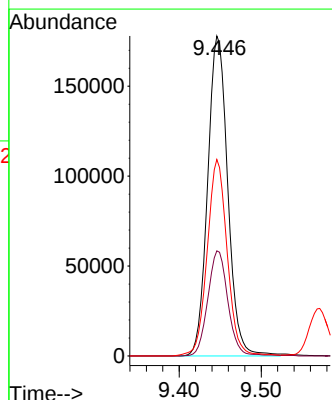
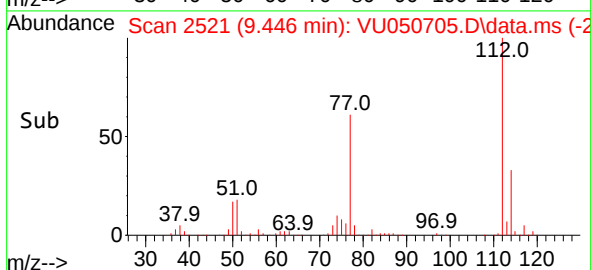
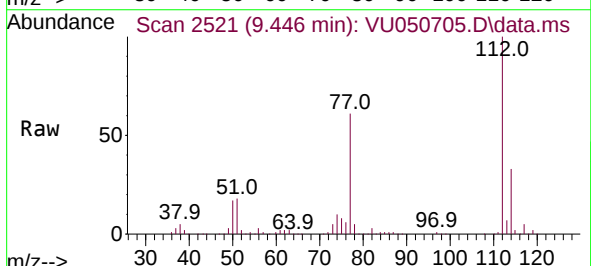


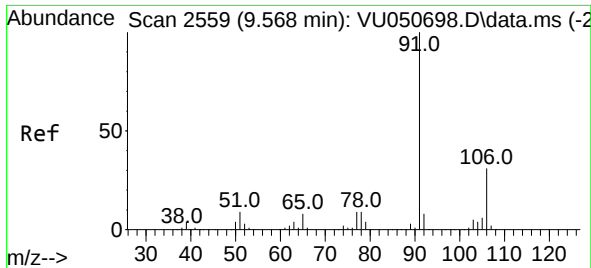
Tgt Ion:107 Resp: 142435
Ion Ratio Lower Upper
107 100
109 93.9 67.5 125.4
188 3.4 2.5 3.7



#51
Chlorobenzene
Concen: 47.955 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

Tgt Ion:112 Resp: 303131
Ion Ratio Lower Upper
112 100
114 32.9 22.1 41.1
77 61.4 49.2 73.8

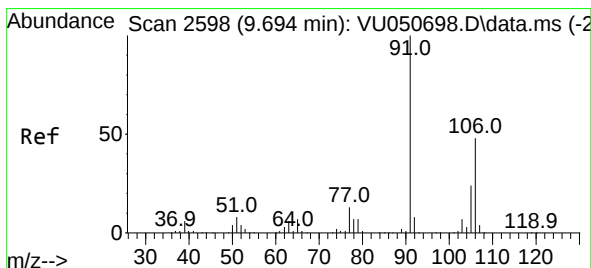
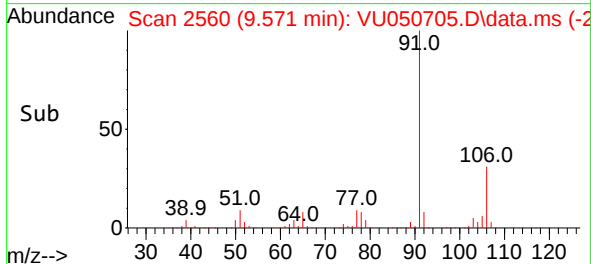
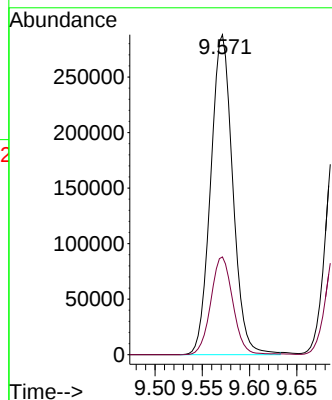
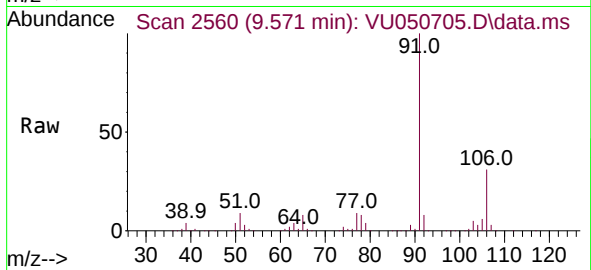




#52
Ethylbenzene
Concen: 46.538 ug/L
RT: 9.571 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

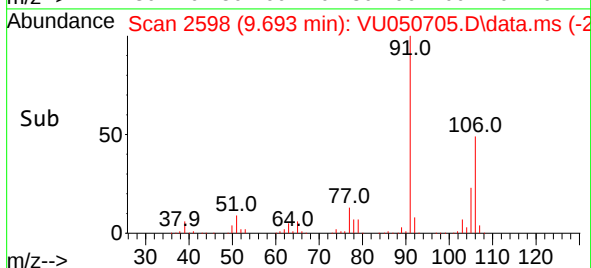
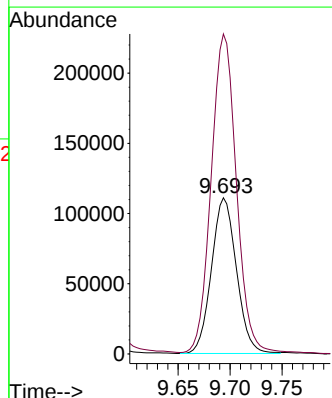
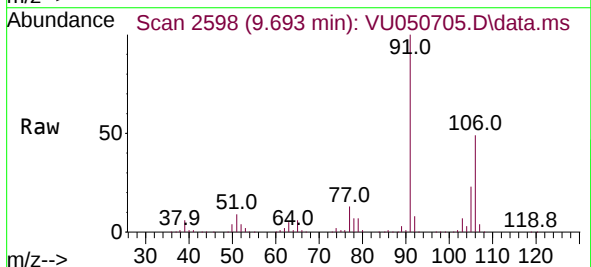
Instrument :
MSVOA_U
ClientSampleId :

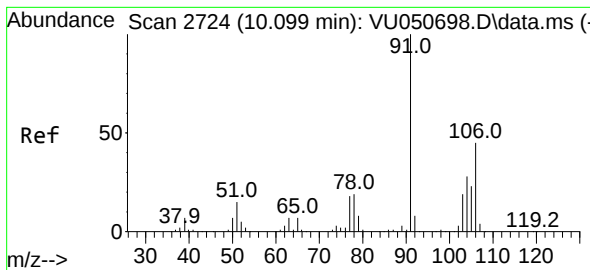
Tgt Ion: 91 Resp: 468247
Ion Ratio Lower Upper
91 100
106 30.5 21.2 39.4



#53
m,p-Xylene
Concen: 48.136 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

Tgt Ion:106 Resp: 185555
Ion Ratio Lower Upper
106 100
91 205.0 147.1 273.3





#54

o-Xylene

Concen: 49.967 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.003 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

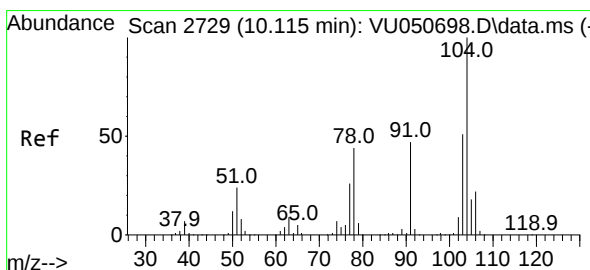
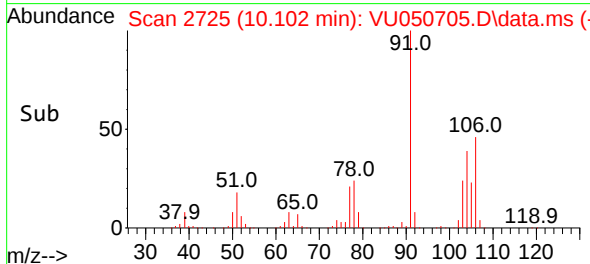
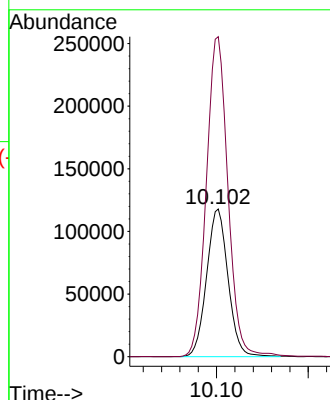
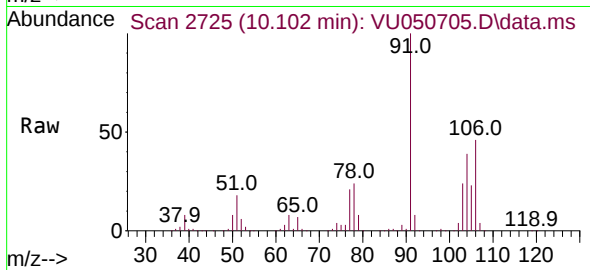
ClientSampleId :

Tgt Ion:106 Resp: 191761

Ion Ratio Lower Upper

106 100

91 216.7 153.4 284.8



#55

Styrene

Concen: 52.817 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU050705.D

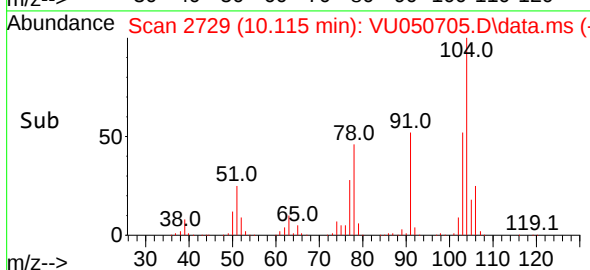
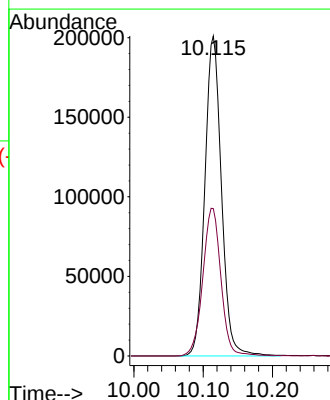
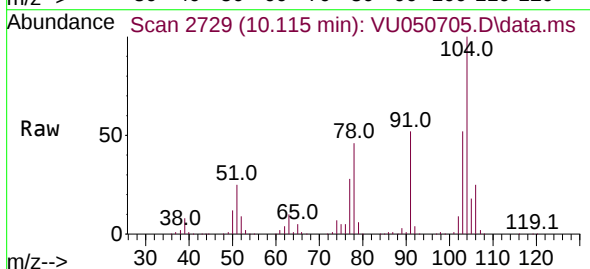
Acq: 09 Sep 2022 17:29

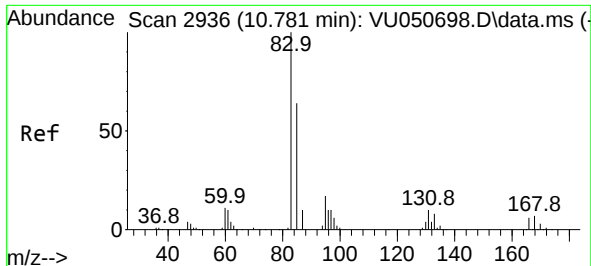
Tgt Ion:104 Resp: 333511

Ion Ratio Lower Upper

104 100

78 46.1 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 54.404 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

ClientSampleId :

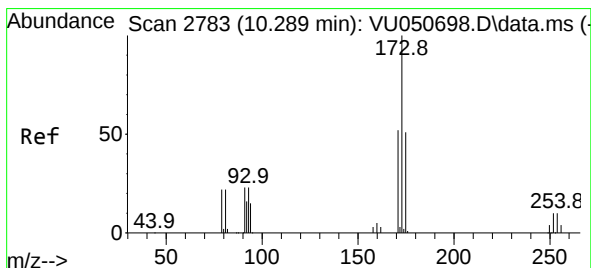
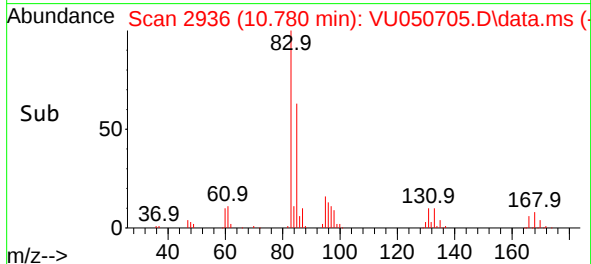
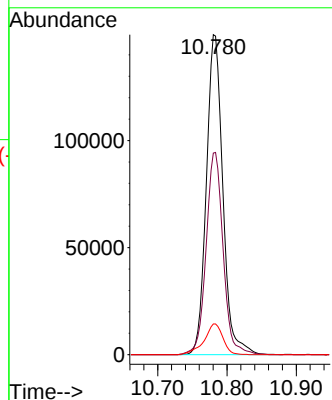
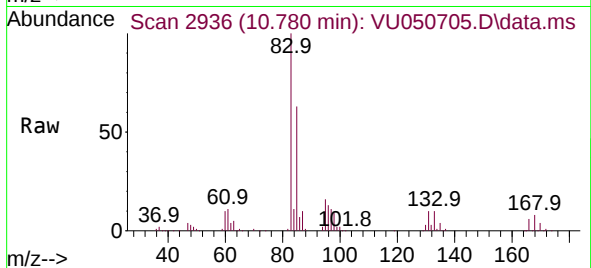
Tgt Ion: 83 Resp: 246552

Ion Ratio Lower Upper

83 100

85 63.0 45.5 84.5

131 9.6 7.7 11.5



#59

Bromoform

Concen: 52.454 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.003 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

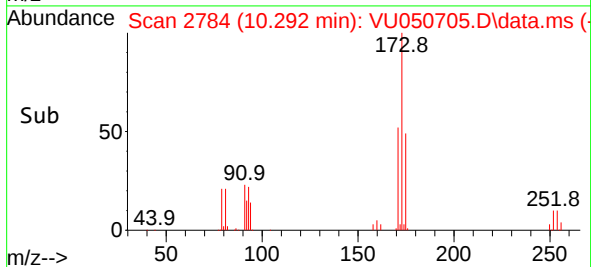
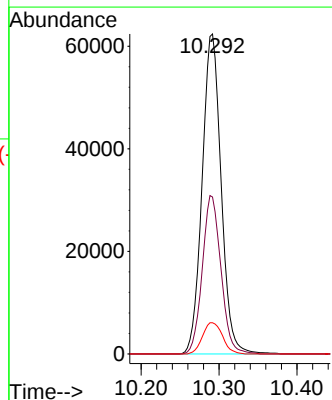
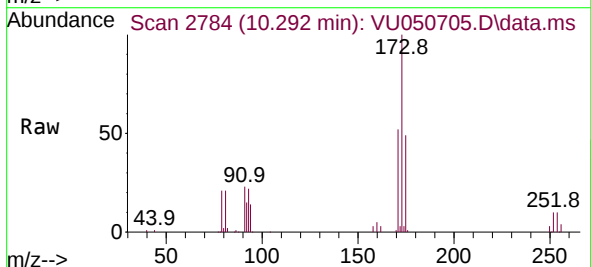
Tgt Ion:173 Resp: 105885

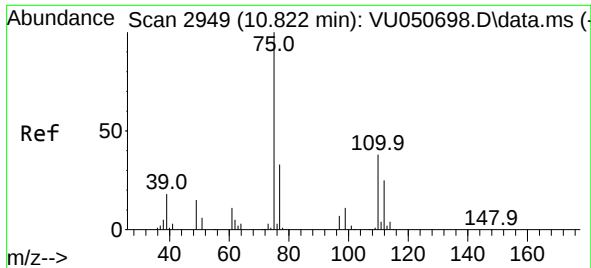
Ion Ratio Lower Upper

173 100

175 48.5 40.0 60.0

254 10.3 7.4 11.0

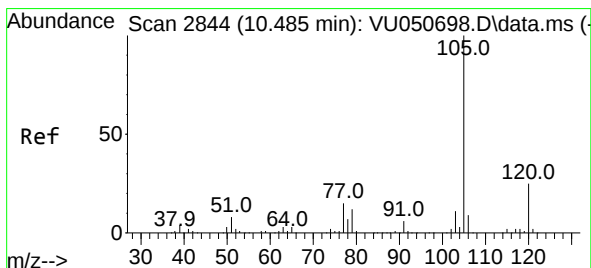
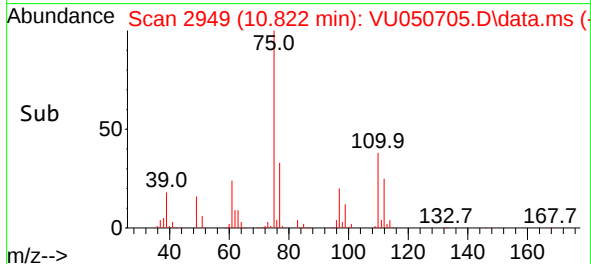
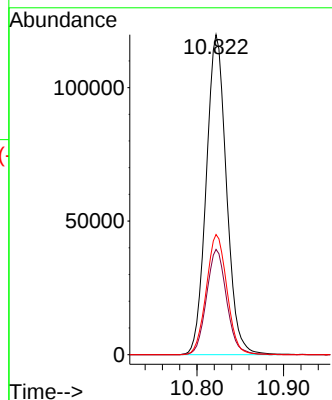
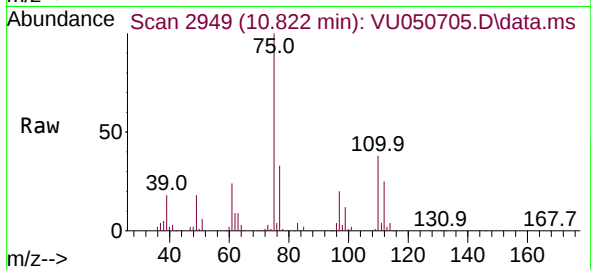




#60
1,2,3-Trichloropropane
Concen: 49.007 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

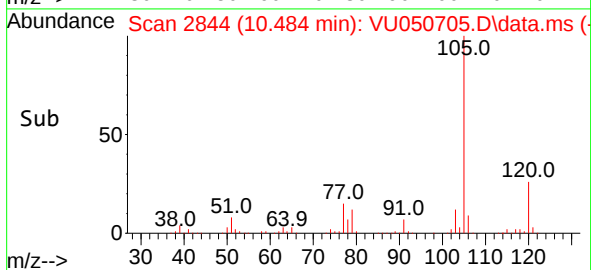
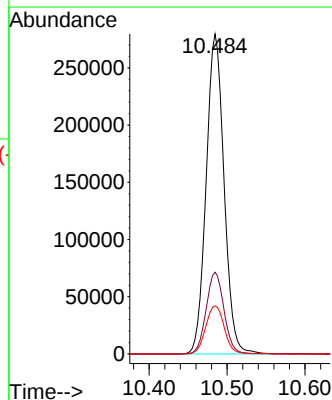
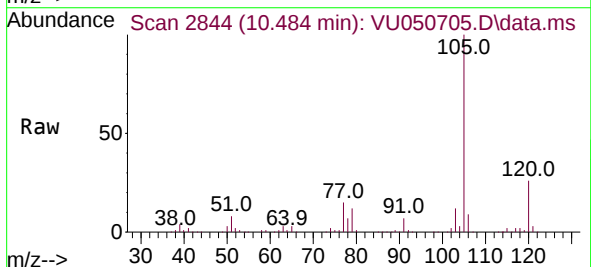
Instrument :
MSVOA_U
ClientSampleId :

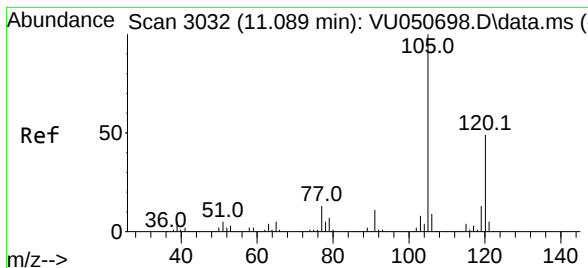
Tgt Ion:	75	Resp:	194545
Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.8	38.8
110	38.3	29.3	43.9



#61
Isopropylbenzene
Concen: 41.636 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

Tgt Ion:	105	Resp:	445891
Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.4	30.6
77	15.6	12.8	19.2





#62

1,3,5-Trimethylbenzene

Concen: 41.970 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

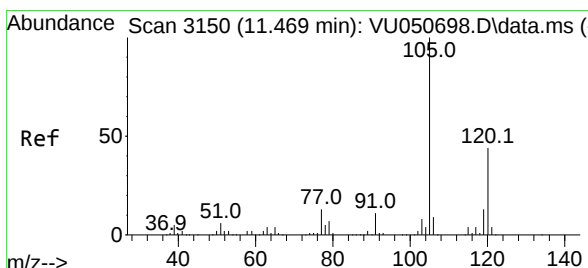
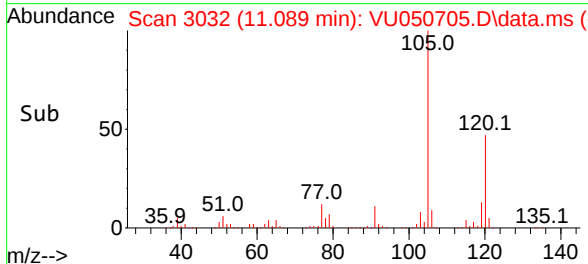
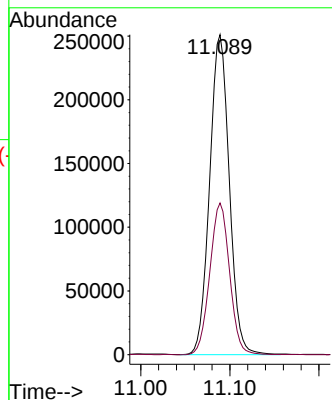
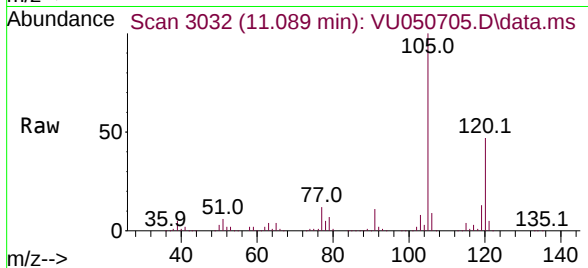
ClientSampleId :

Tgt Ion:105 Resp: 384257

Ion Ratio Lower Upper

105 100

120 47.6 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 43.024 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU050705.D

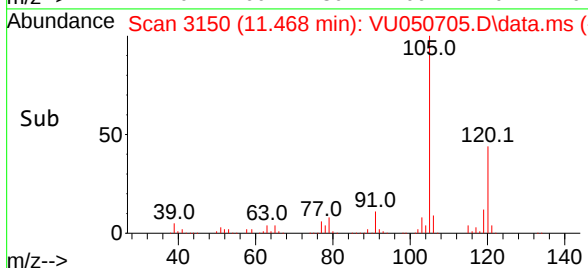
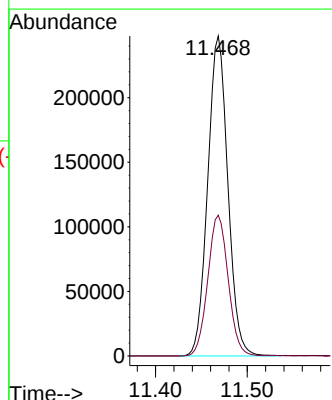
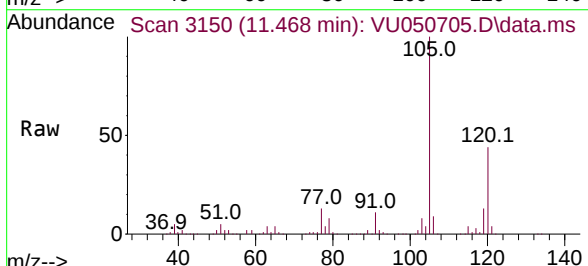
Acq: 09 Sep 2022 17:29

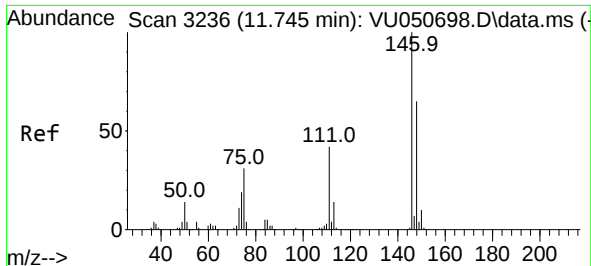
Tgt Ion:105 Resp: 378260

Ion Ratio Lower Upper

105 100

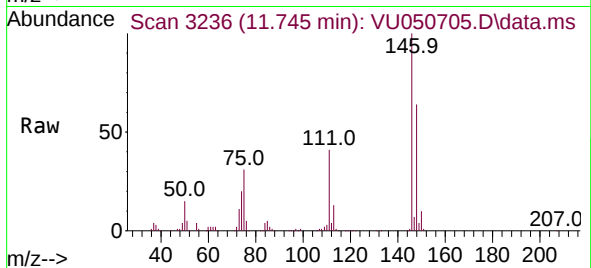
120 44.6 35.3 52.9



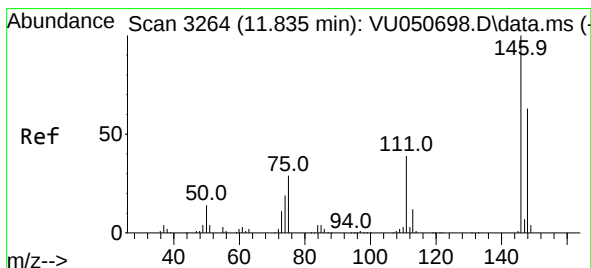
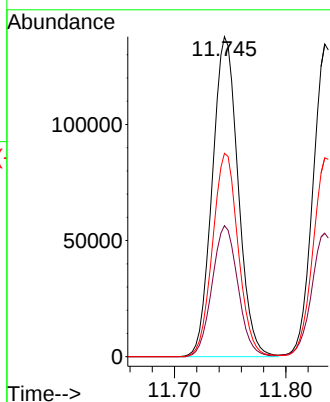
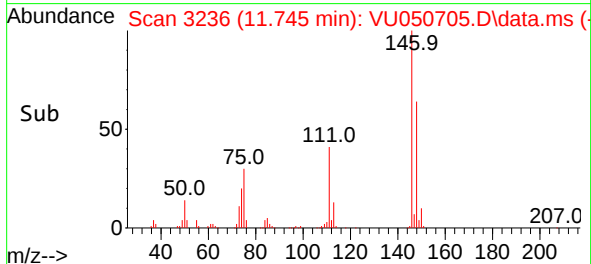


#64
1,3-Dichlorobenzene
Concen: 47.194 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29

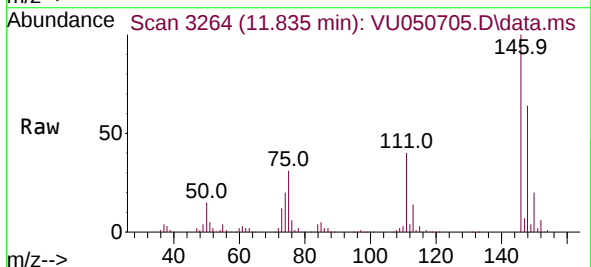
Instrument :
MSVOA_U
ClientSampleId :



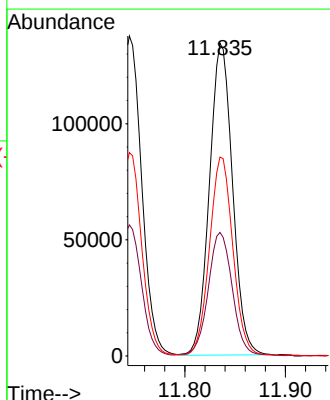
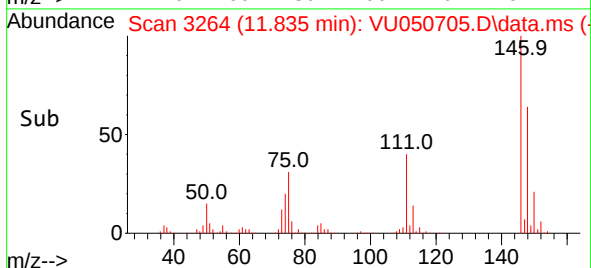
Tgt Ion:146 Resp: 222384
Ion Ratio Lower Upper
146 100
111 41.0 29.9 55.5
148 63.6 45.5 84.5

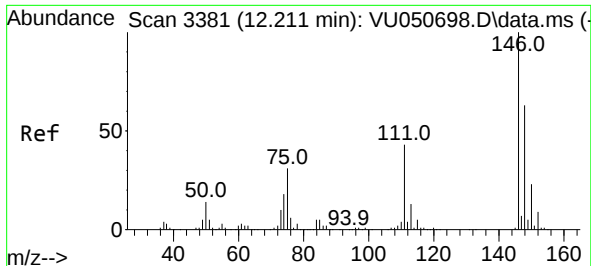


#65
1,4-Dichlorobenzene
Concen: 46.022 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU050705.D
Acq: 09 Sep 2022 17:29



Tgt Ion:146 Resp: 214359
Ion Ratio Lower Upper
146 100
111 39.5 27.9 51.7
148 63.7 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 47.096 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

ClientSampleId :

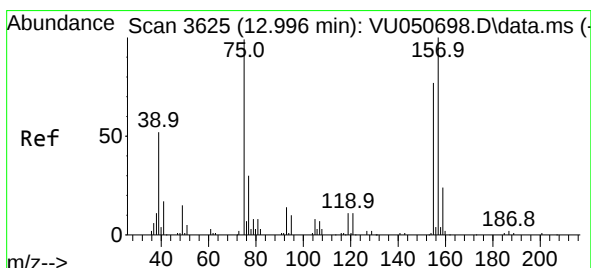
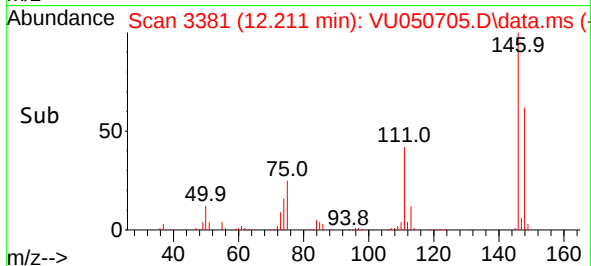
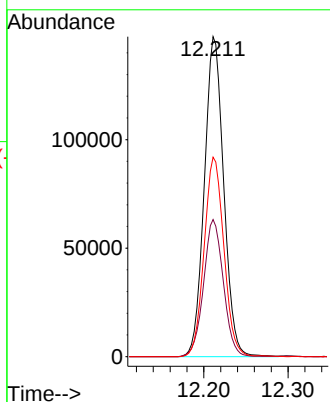
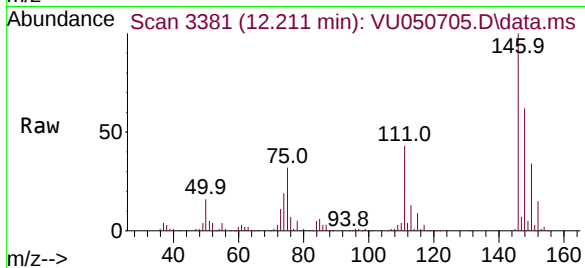
Tgt Ion:146 Resp: 236357

Ion Ratio Lower Upper

146 100

111 42.9 35.1 52.7

148 62.3 51.8 77.6



#68

1,2-Dibromo-3-chloropropane

Concen: 50.254 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

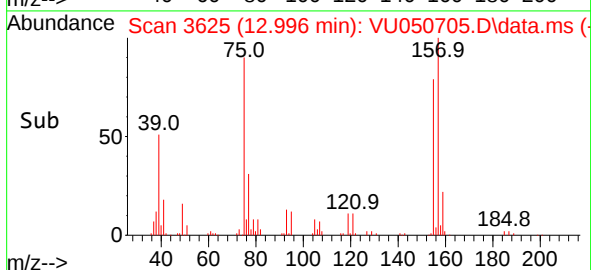
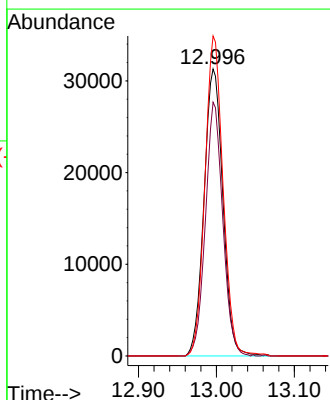
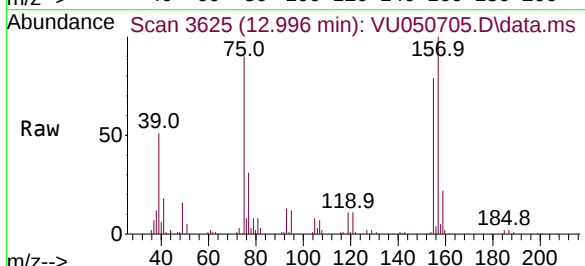
Tgt Ion: 75 Resp: 52682

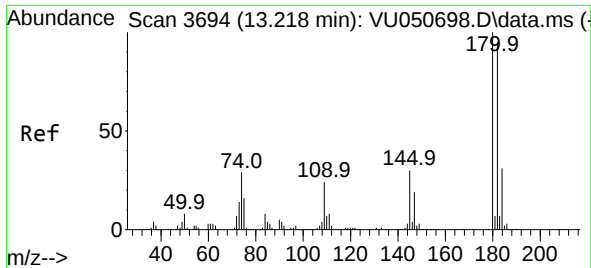
Ion Ratio Lower Upper

75 100

155 88.4 67.8 101.6

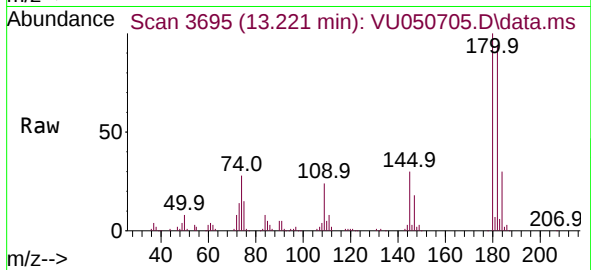
157 111.5 82.6 124.0



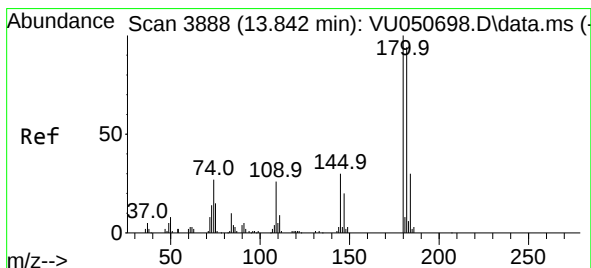
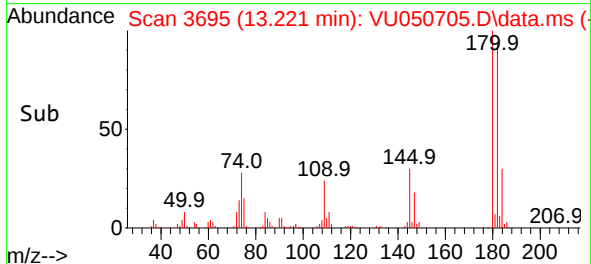
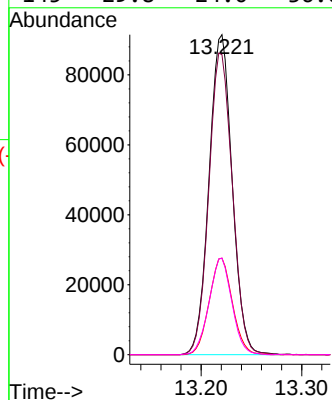


#69
 1,3,5-Trichlorobenzene
 Concen: 42.730 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU050705.D
 Acq: 09 Sep 2022 17:29

Instrument :
 MSVOA_U
 ClientSampleId :

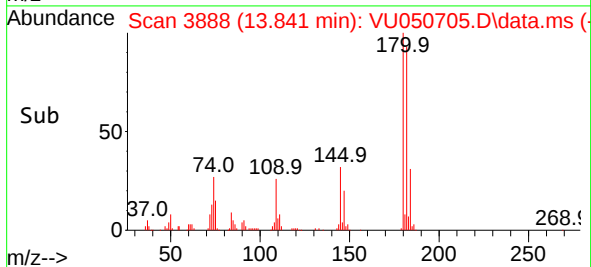
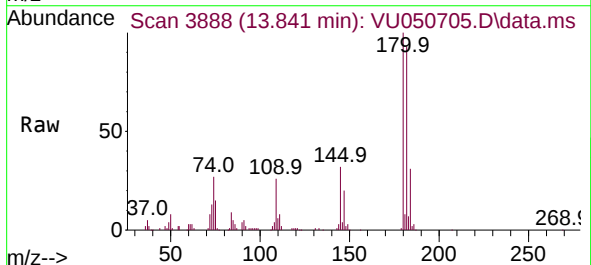
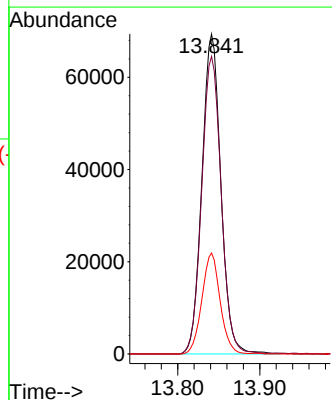


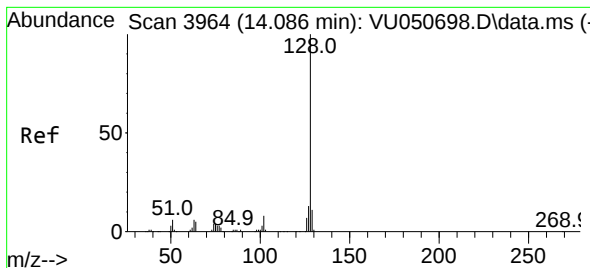
Tgt Ion:180 Resp: 146122
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.3 112.9
 184 30.3 23.8 35.8
 145 29.8 24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 38.401 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU050705.D
 Acq: 09 Sep 2022 17:29

Tgt Ion:180 Resp: 111506
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.2
 145 30.3 24.7 37.1





#71

Naphthalene

Concen: 35.597 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Instrument :

MSVOA_U

ClientSampleId :

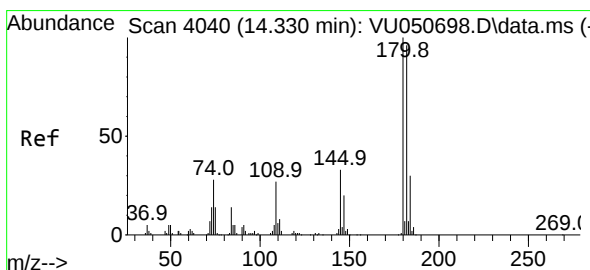
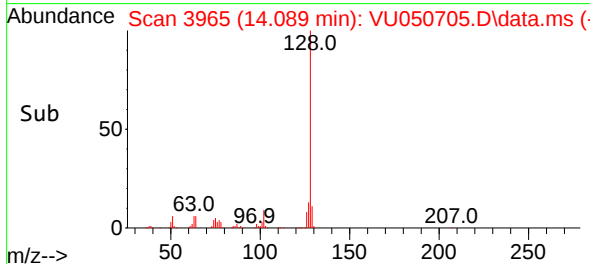
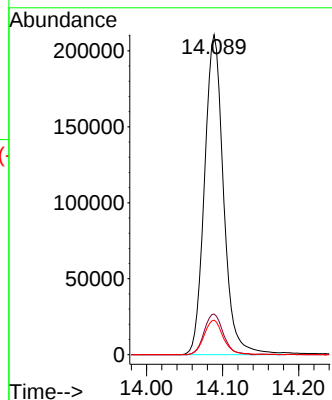
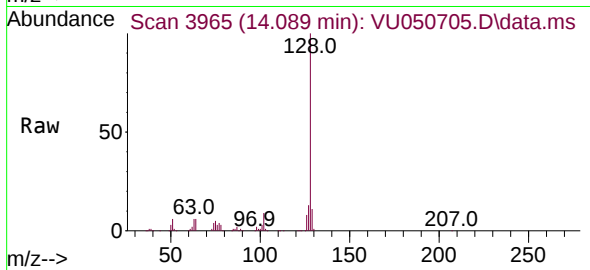
Tgt Ion:128 Resp: 366475

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 10.9 8.4 12.6



#72

1,2,3-Trichlorobenzene

Concen: 39.153 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. -0.000 min

Lab File: VU050705.D

Acq: 09 Sep 2022 17:29

Tgt Ion:180 Resp: 123117

Ion Ratio Lower Upper

180 100

182 96.4 76.1 114.1

145 33.7 26.4 39.6

