

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U091322\
 Data File : VU050710.D
 Acq On : 13 Sep 2022 20:16
 Operator : JC/MD
 Sample : BLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 14 02:04:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 14 02:03:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	352450	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	357723	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	171005	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	145941	48.412	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.820%
7) Chloroethane-d5	1.893	69	103232	50.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.280%
11) 1,1-Dichloroethene-d2	2.562	63	242321	45.488	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.980%
21) 2-Butanone-d5	4.620	46	267925	121.479	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.480%
24) Chloroform-d	5.060	84	303085	53.048	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.100%
26) 1,2-Dichloroethane-d4	5.700	65	192176	55.044	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.080%
32) Benzene-d6	5.726	84	600070	50.760	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.520%
36) 1,2-Dichloropropane-d6	6.690	67	208393	53.692	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.380%
41) Toluene-d8	7.896	98	517462	51.187	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.380%
43) trans-1,3-Dichloroprop...	8.179	79	87394	54.420	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.840%
47) 2-Hexanone-d5	8.632	63	136458	139.773	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	139.770%#
56) 1,1,2,2-Tetrachloroeth...	10.755	84	326374	55.568	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.140%
66) 1,2-Dichlorobenzene-d4	12.195	152	179826	44.922	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	104657	30.915	ug/L	97
3) Chloromethane	1.520	50	199222	54.464	ug/L	99
5) Vinyl chloride	1.601	62	161216	46.780	ug/L	99
6) Bromomethane	1.832	94	85484	49.184	ug/L	98
8) Chloroethane	1.919	64	96444	52.689	ug/L	98
9) Trichlorofluoromethane	2.128	101	155663	37.073	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	98185	35.647	ug/L	99
12) 1,1-Dichloroethene	2.572	96	114579	42.813	ug/L	90
13) Acetone	2.623	43	183178	110.101	ug/L	98
14) Carbon disulfide	2.787	76	357326	45.025	ug/L	99
15) Methyl Acetate	2.945	43	206338	58.642	ug/L	98
16) Methylene chloride	3.041	84	196658	55.991	ug/L	98
17) trans-1,2-Dichloroethene	3.346	96	132786	46.789	ug/L	97
18) Methyl tert-butyl Ether	3.363	73	485122	55.133	ug/L	98
19) 1,1-Dichloroethane	3.864	63	293468	53.599	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	164211	51.283	ug/L	97
22) 2-Butanone	4.700	43	305711	117.483	ug/L	99
23) Bromochloromethane	4.970	128	90405	54.638	ug/L	91
25) Chloroform	5.086	83	297715	53.370	ug/L	100

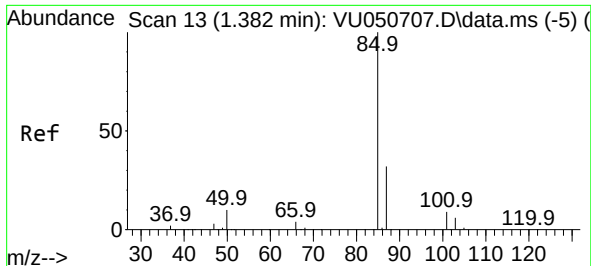
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091322\
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 QLast Update : Wed Sep 14 02:03:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	235373	56.929	ug/L	98
29) Cyclohexane	5.385	56	168552	35.183	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	213046	44.217	ug/L	99
31) Carbon tetrachloride	5.523	117	161505	40.913	ug/L	99
33) Benzene	5.771	78	659815	50.683	ug/L	100
34) Trichloroethene	6.539	95	140870	46.439	ug/L	97
35) Methylcyclohexane	6.761	83	165039	34.222	ug/L	98
37) 1,2-Dichloropropane	6.790	63	190618	55.432	ug/L	99
38) Bromodichloromethane	7.105	83	223718	55.306	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	250463	53.809	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	571433	121.942	ug/L	97
42) Toluene	7.967	91	659690	49.886	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	241073	55.201	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	180680	54.696	ug/L	97
46) Tetrachloroethene	8.552	164	93970	42.413	ug/L	97
48) 2-Hexanone	8.684	43	482382	110.301	ug/L	98
49) Dibromochloromethane	8.809	129	174274	55.312	ug/L	98
50) 1,2-Dibromoethane	8.922	107	182834	54.423	ug/L	99
51) Chlorobenzene	9.446	112	401958	48.976	ug/L	100
52) Ethylbenzene	9.571	91	629000	48.148	ug/L	98
53) m,p-Xylene	9.693	106	242633	48.478	ug/L	96
54) o-Xylene	10.102	106	250488	50.269	ug/L	97
55) Styrene	10.115	104	443494	54.093	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	334834	56.905	ug/L	99
59) Bromoform	10.291	173	128868	50.509	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	261210	52.060	ug/L	98
61) Isopropylbenzene	10.484	105	577231	42.644	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	496273	42.886	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	494411	44.492	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	283051	47.525	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	280020	47.565	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	303093	47.782	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	66649	50.301	ug/L	92
69) 1,3,5-Trichlorobenzene	13.217	180	194209	44.932	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	162211	44.197	ug/L	99
71) Naphthalene	14.086	128	626129	48.118	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	189154	47.593	ug/L	100

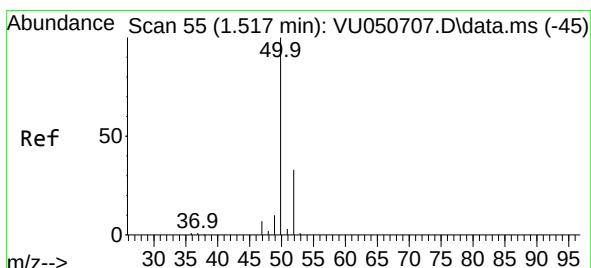
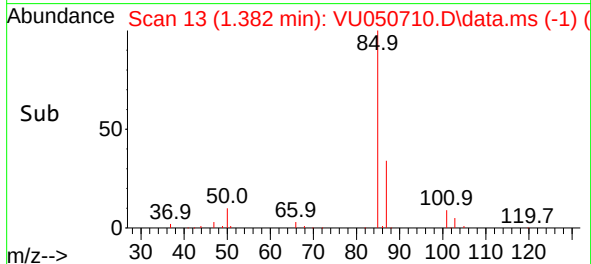
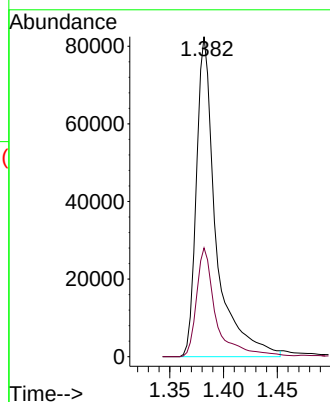
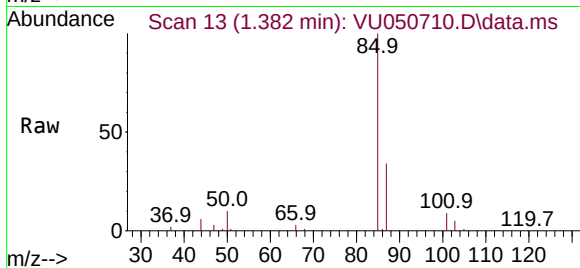
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#2
Dichlorodifluoromethane
Concen: 30.915 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

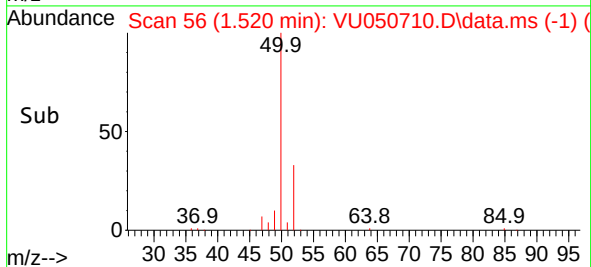
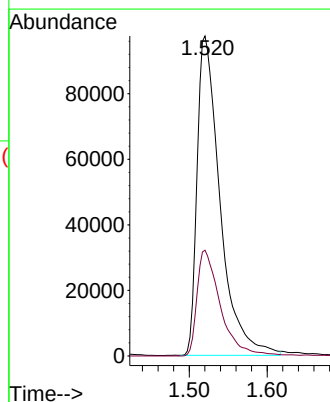
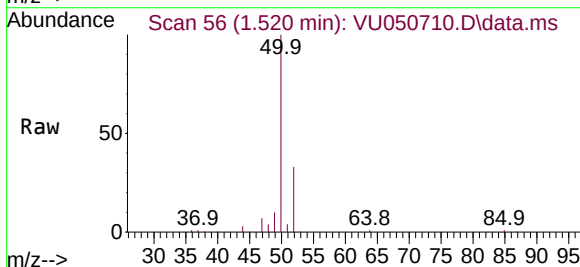
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MSVOA_U
ClientSampleId :

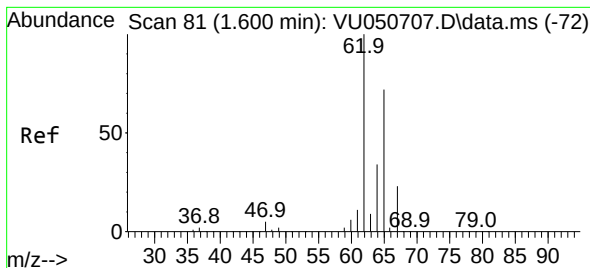
Tgt Ion: 85 Resp: 104657
Ion Ratio Lower Upper
85 100
87 33.9 25.8 38.8



#3
Chloromethane
Concen: 54.464 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Tgt Ion: 50 Resp: 199222
Ion Ratio Lower Upper
50 100
52 33.1 23.7 43.9





#5

Vinyl chloride

Concen: 46.780 ug/L

RT: 1.601 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Instrument :

MSVOA_U

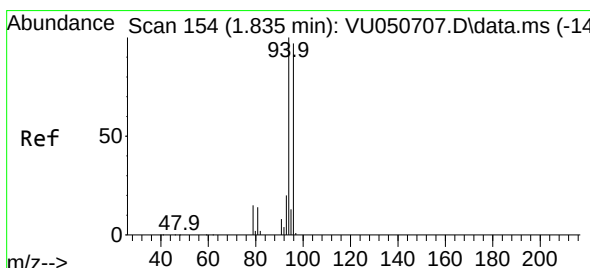
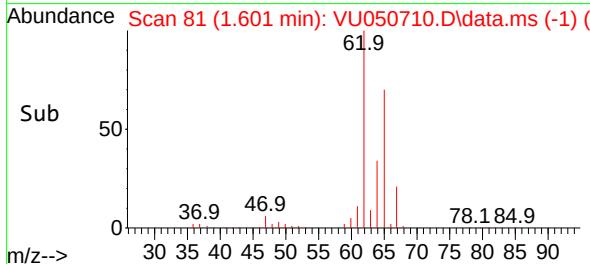
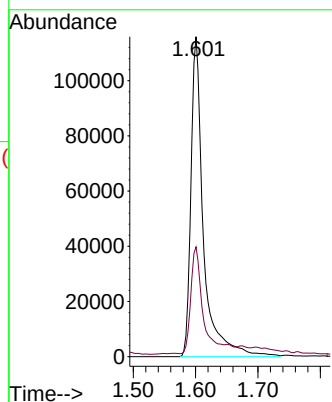
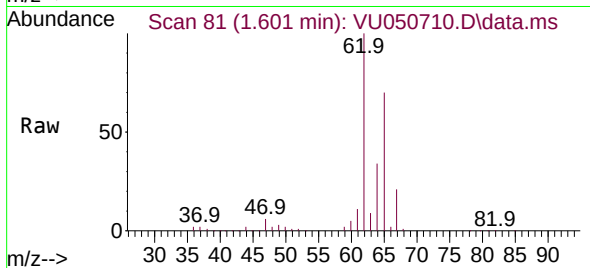
ClientSampleId :

Tgt Ion: 62 Resp: 161216

Ion Ratio Lower Upper

62 100

64 34.3 23.5 43.7



#6

Bromomethane

Concen: 49.184 ug/L

RT: 1.832 min Scan# 153

Delta R.T. -0.003 min

Lab File: VU050710.D

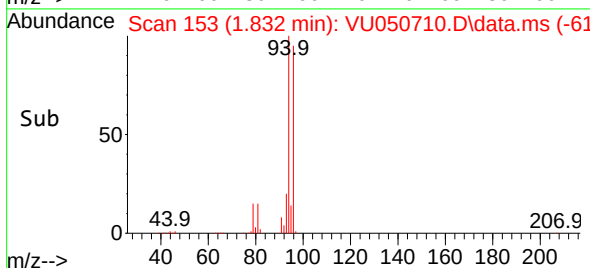
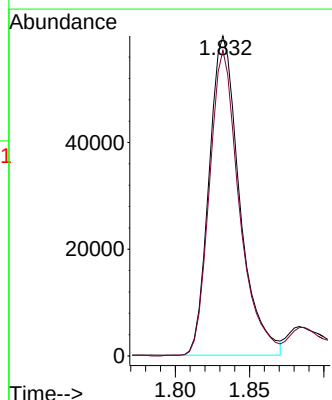
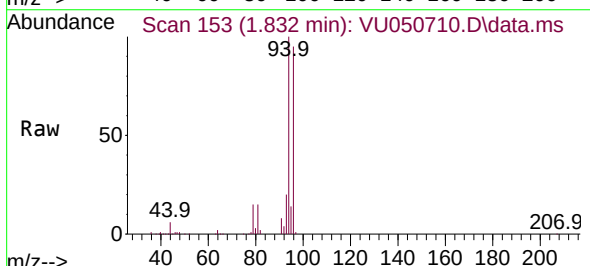
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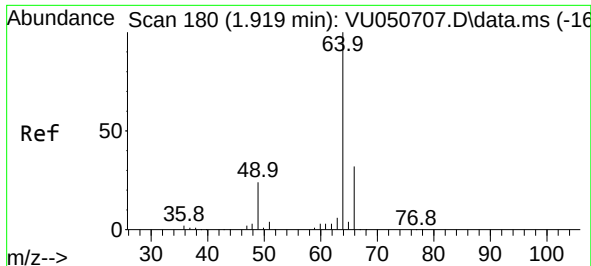
Tgt Ion: 94 Resp: 85484

Ion Ratio Lower Upper

94 100

96 95.5 65.6 121.8

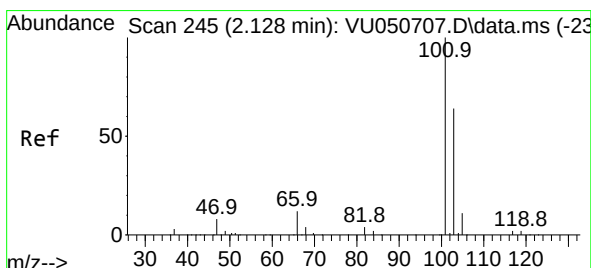
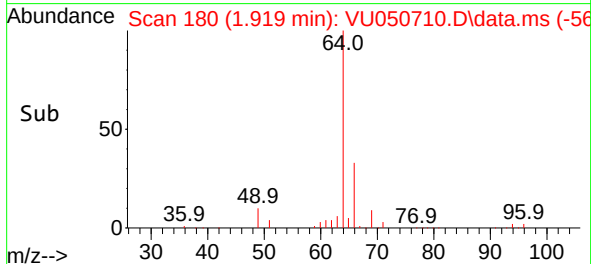
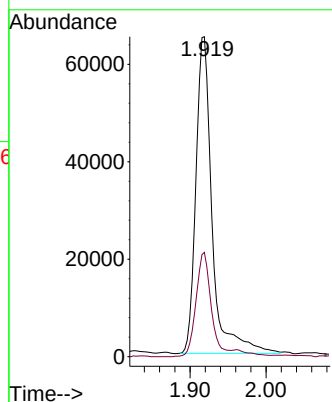
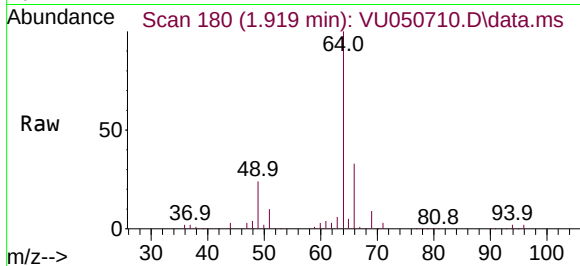




#8
Chloroethane
Concen: 52.689 ug/L
RT: 1.919 min Scan# 180
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

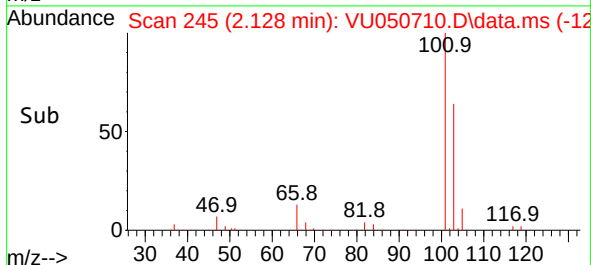
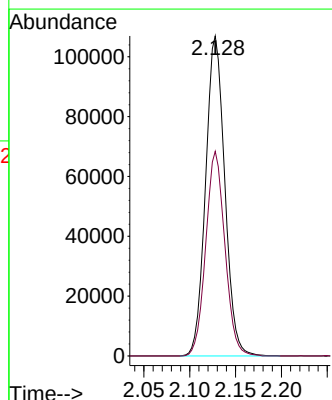
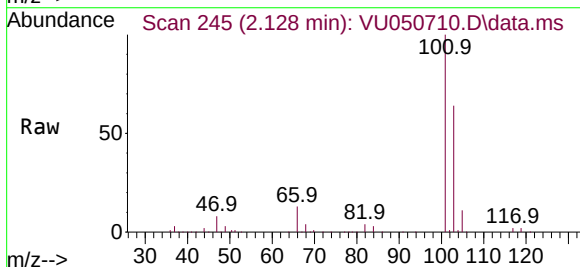
Instrument :
MSVOA_U
ClientSampleId :

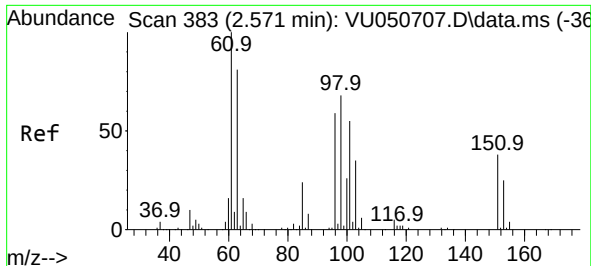
Tgt Ion: 64 Resp: 96444
Ion Ratio Lower Upper
64 100
66 32.6 21.9 40.7



#9
Trichlorofluoromethane
Concen: 37.073 ug/L
RT: 2.128 min Scan# 245
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Tgt Ion:101 Resp: 155663
Ion Ratio Lower Upper
101 100
103 63.8 51.4 77.0

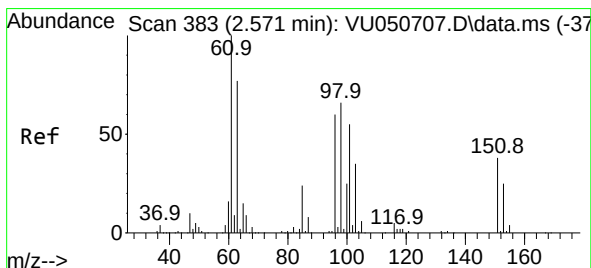
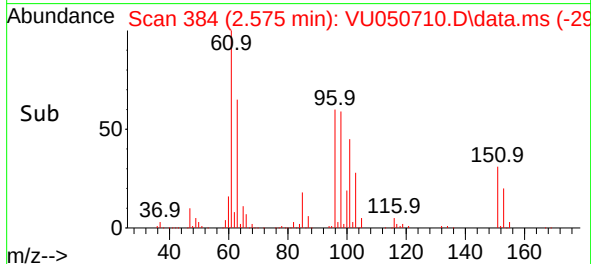
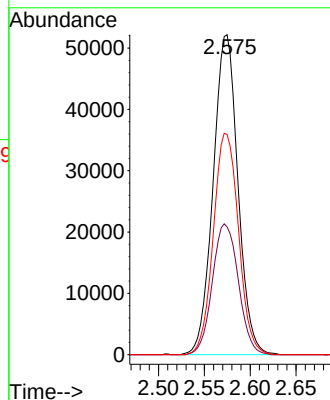
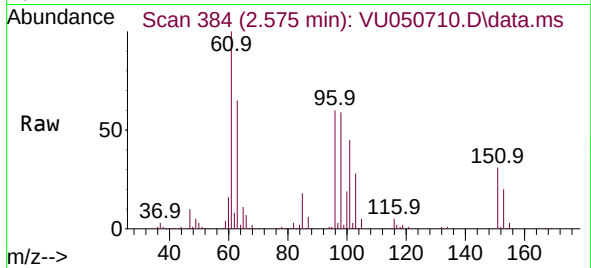




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 35.647 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.003 min
 Lab File: VU050710.D
 Acq: 13 Sep 2022 20:16

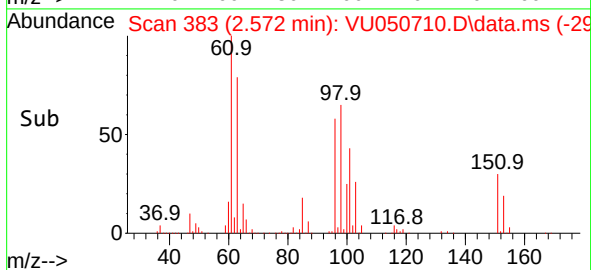
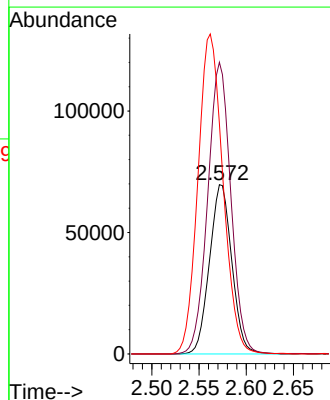
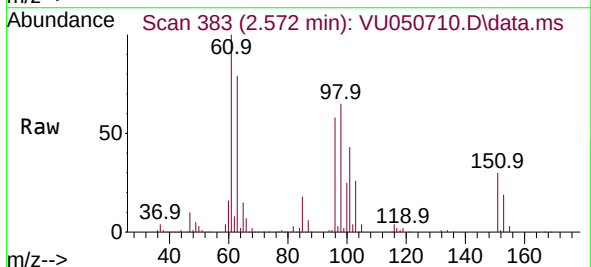
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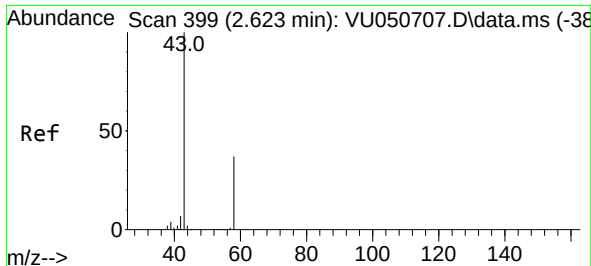
Tgt Ion: 101 Resp: 98185
 Ion Ratio Lower Upper
 101 100
 85 42.9 34.4 51.6
 151 70.2 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 42.813 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. 0.000 min
 Lab File: VU050710.D
 Acq: 13 Sep 2022 20:16

Tgt Ion: 96 Resp: 114579
 Ion Ratio Lower Upper
 96 100
 61 172.3 118.0 219.1
 63 136.1 79.5 147.7





#13

Acetone

Concen: 110.101 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Instrument :

MSVOA_U

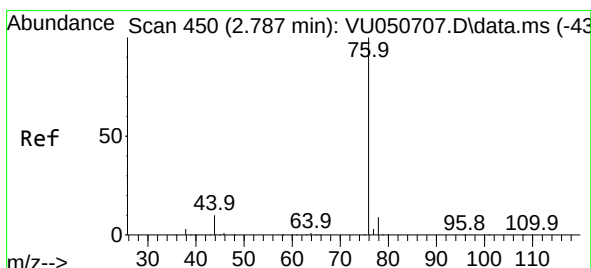
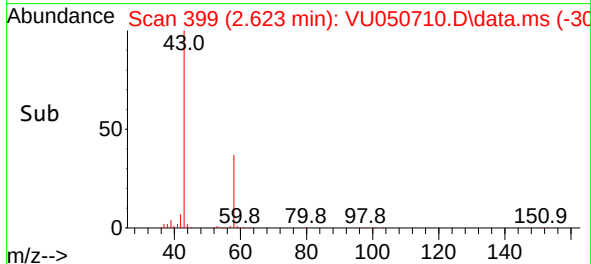
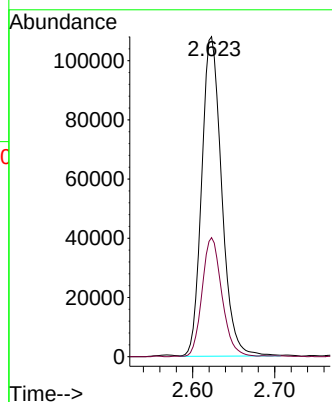
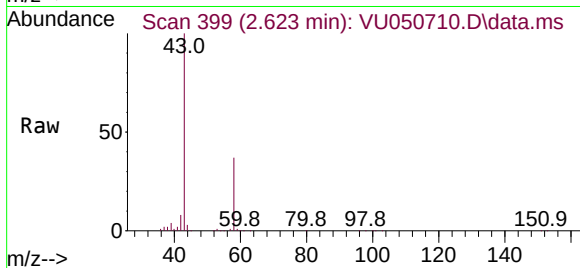
ClientSampleId :

Tgt Ion: 43 Resp: 183178

Ion Ratio Lower Upper

43 100

58 36.9 0.0 76.2



#14

Carbon disulfide

Concen: 45.025 ug/L

RT: 2.787 min Scan# 450

Delta R.T. 0.000 min

Lab File: VU050710.D

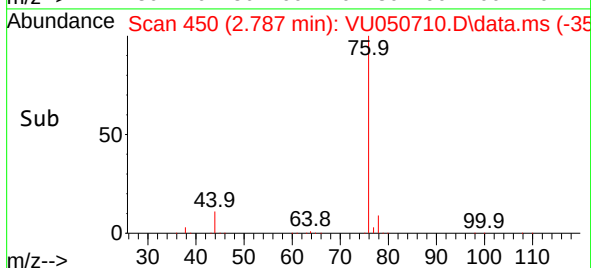
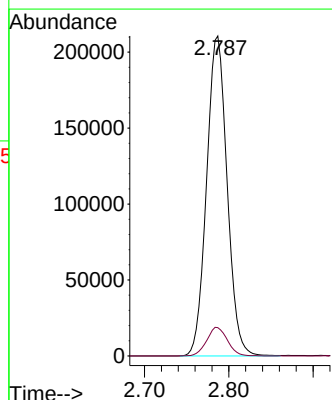
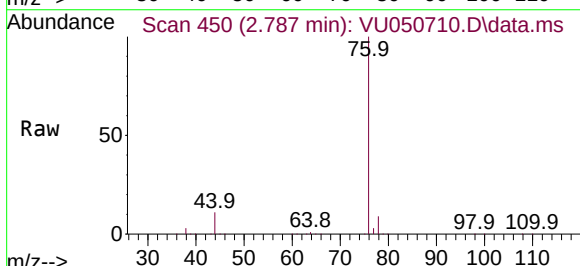
Acq: 13 Sep 2022 20:16

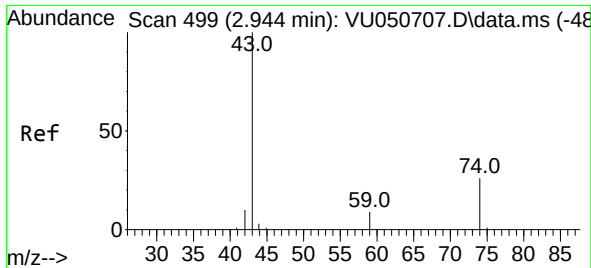
Tgt Ion: 76 Resp: 357326

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

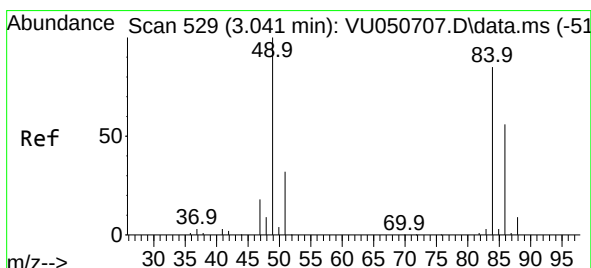
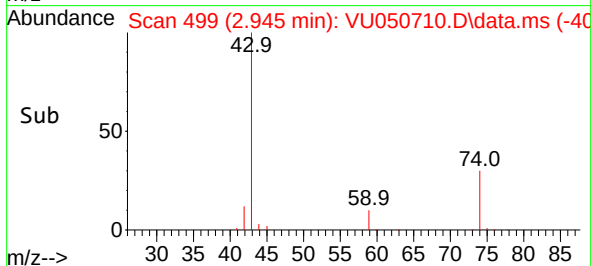
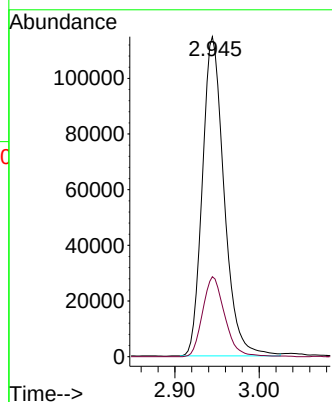
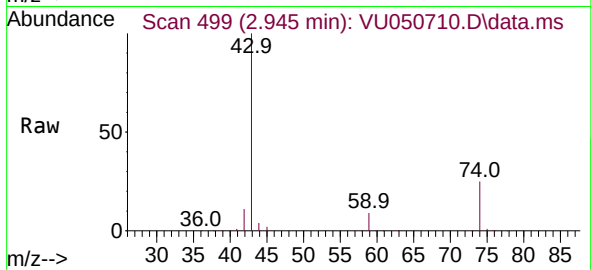




#15
Methyl Acetate
Concen: 58.642 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

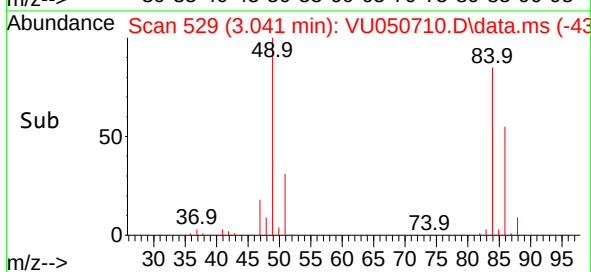
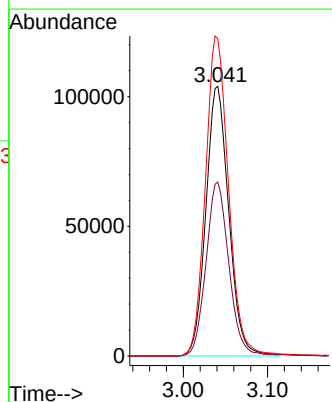
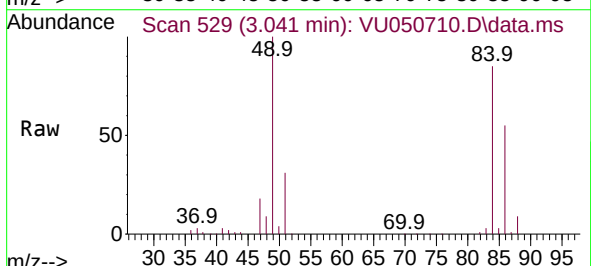
Instrument :
MSVOA_U
ClientSampleId :

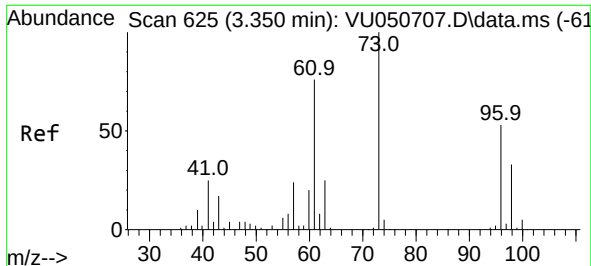
Tgt Ion: 43 Resp: 206338
Ion Ratio Lower Upper
43 100
74 25.5 21.2 31.8



#16
Methylene chloride
Concen: 55.991 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Tgt Ion: 84 Resp: 196658
Ion Ratio Lower Upper
84 100
86 64.5 44.8 83.2
49 117.6 80.6 149.8





#17

trans-1,2-Dichloroethene

Concen: 46.789 ug/L

RT: 3.346 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Instrument :

MSVOA_U

ClientSampleId :

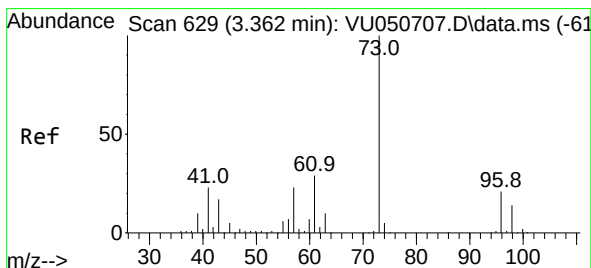
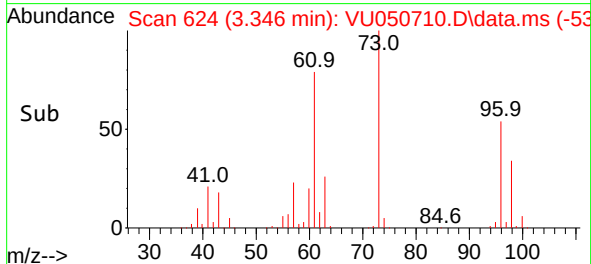
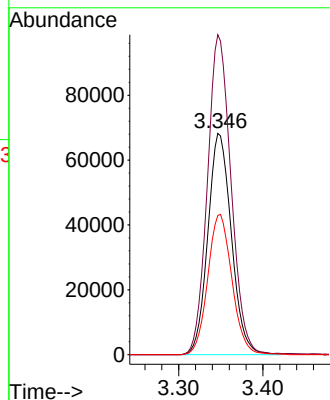
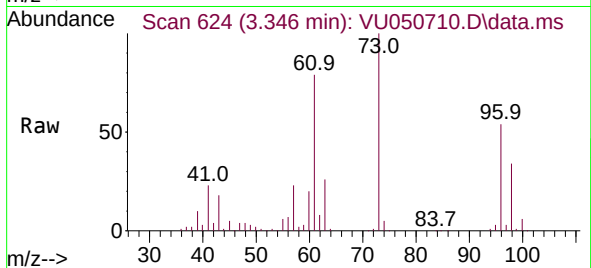
Tgt Ion: 96 Resp: 132786

Ion Ratio Lower Upper

96 100

61 144.6 97.9 181.7

98 62.9 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 55.133 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

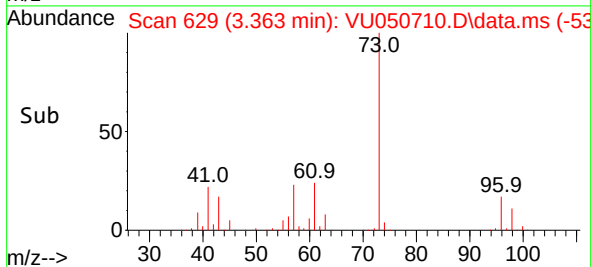
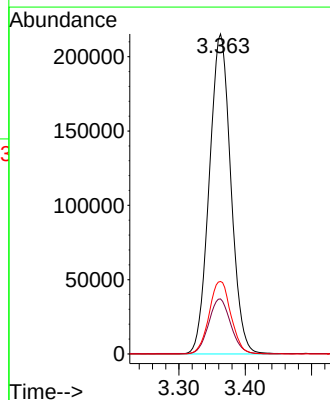
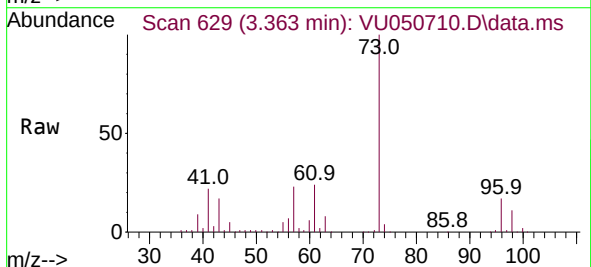
Tgt Ion: 73 Resp: 485122

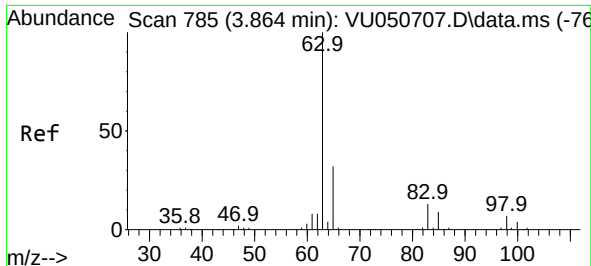
Ion Ratio Lower Upper

73 100

43 17.5 13.4 20.2

57 23.0 17.8 26.8





#19

1,1-Dichloroethane

Concen: 53.599 ug/L

RT: 3.864 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Instrument :

MSVOA_U

ClientSampleId :

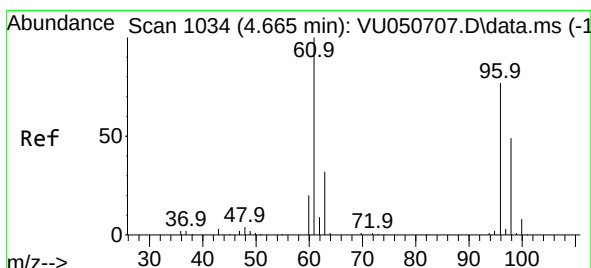
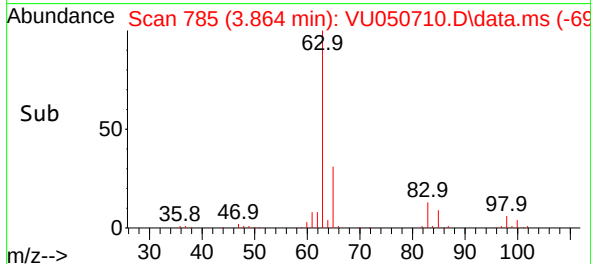
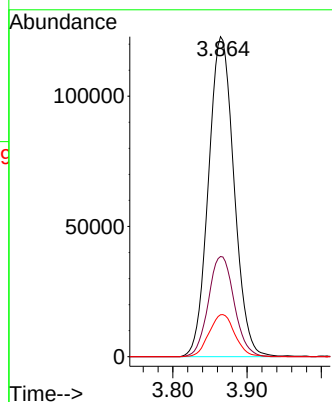
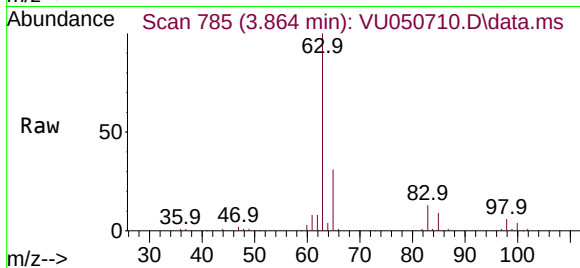
Tgt Ion: 63 Resp: 293468

Ion Ratio Lower Upper

63 100

65 31.3 22.4 41.6

83 13.1 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 51.283 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

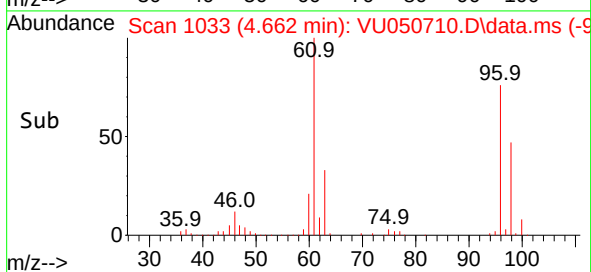
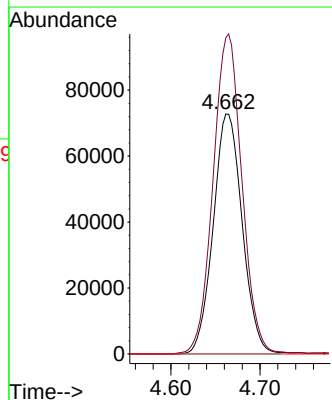
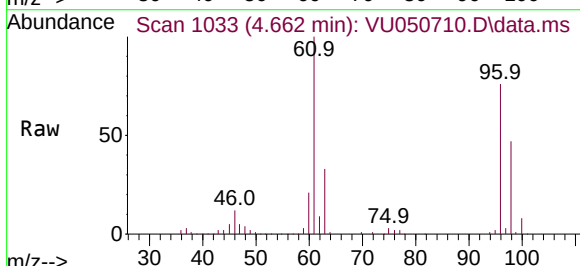
Tgt Ion: 96 Resp: 164211

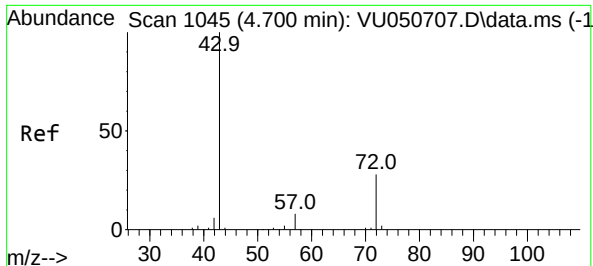
Ion Ratio Lower Upper

96 100

61 131.7 89.8 166.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 117.483 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Instrument :

MSVOA_U

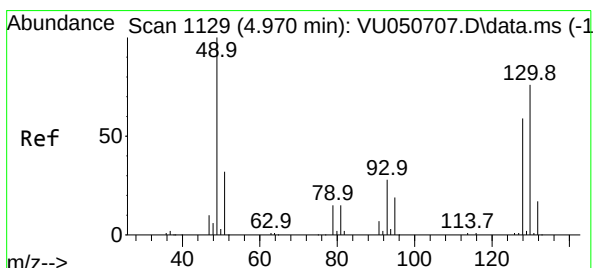
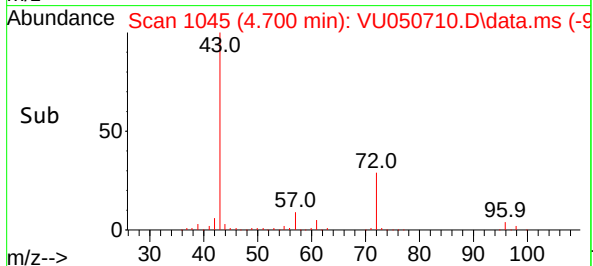
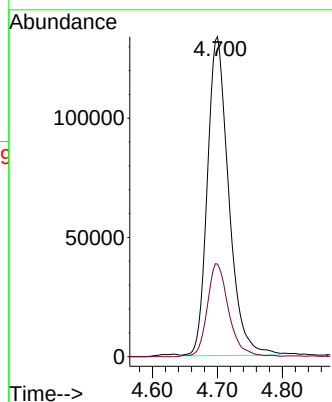
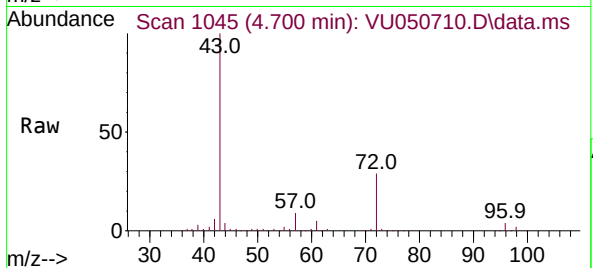
ClientSampleId :

Tgt Ion: 43 Resp: 305711

Ion Ratio Lower Upper

43 100

72 28.7 14.6 44.0



#23

Bromochloromethane

Concen: 54.638 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Tgt Ion:128 Resp: 90405

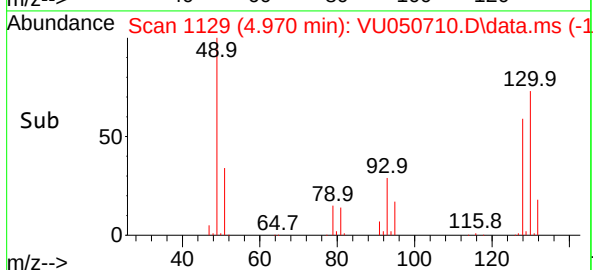
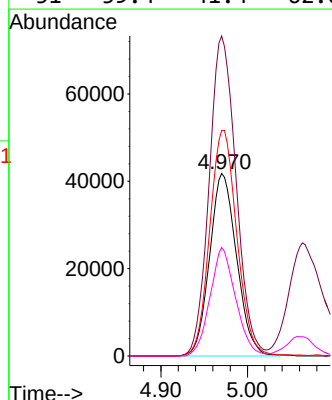
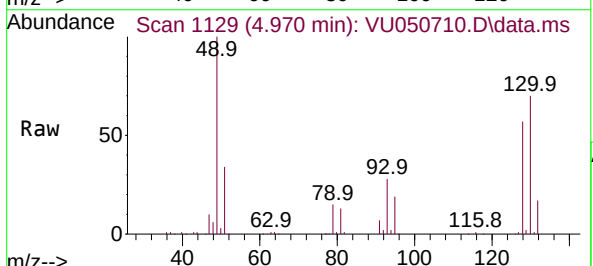
Ion Ratio Lower Upper

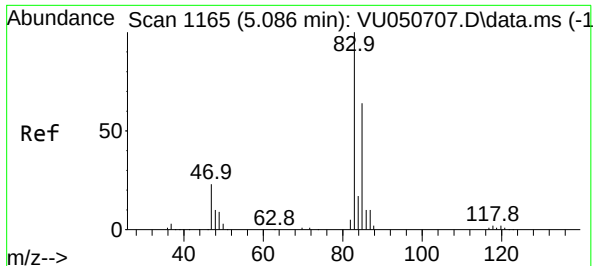
128 100

49 175.3 112.5 208.9

130 123.6 91.8 170.4

51 59.4 41.4 62.0





#25

Chloroform

Concen: 53.370 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Instrument :

MSVOA_U

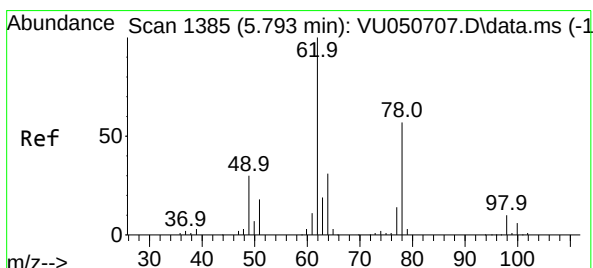
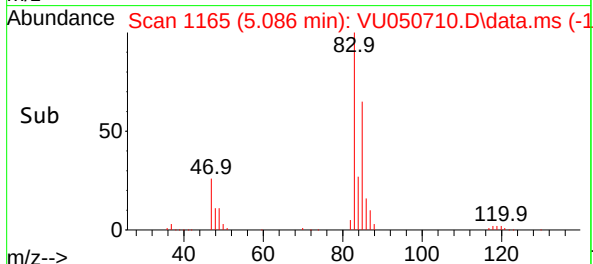
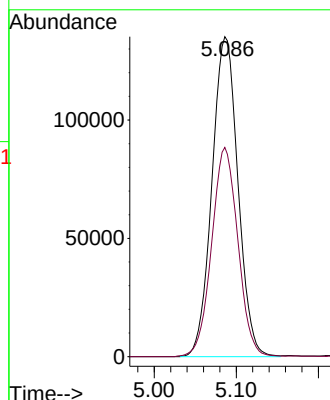
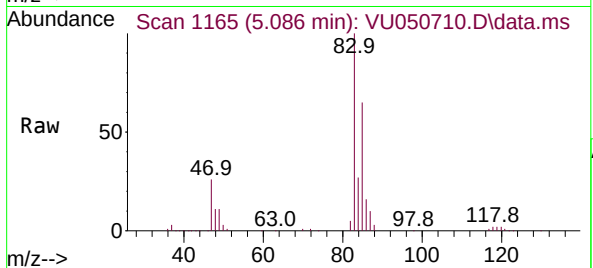
ClientSampleId :

Tgt Ion: 83 Resp: 297715

Ion Ratio Lower Upper

83 100

85 65.4 45.6 84.8



#27

1,2-Dichloroethane

Concen: 56.929 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050710.D

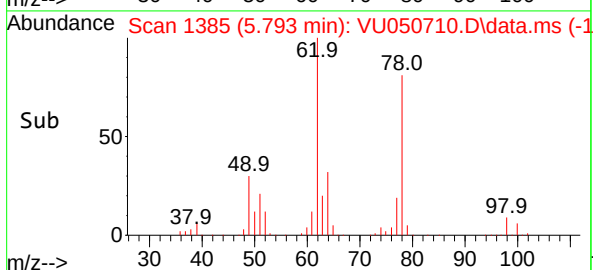
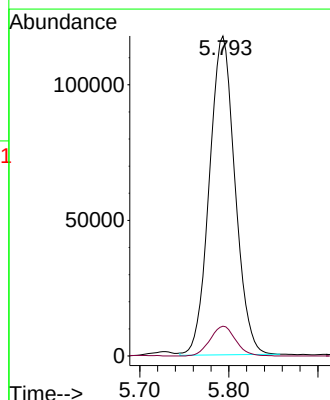
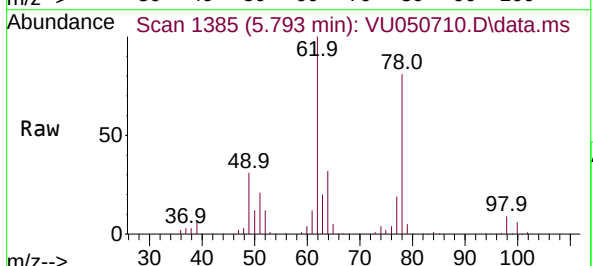
Acq: 13 Sep 2022 20:16

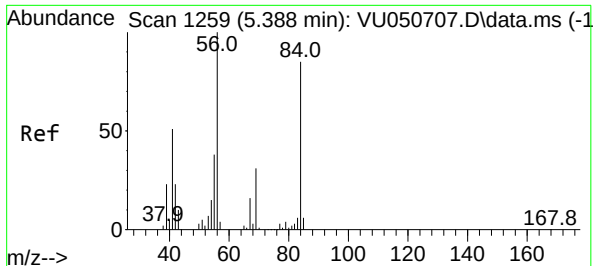
Tgt Ion: 62 Resp: 235373

Ion Ratio Lower Upper

62 100

98 9.3 8.2 12.2





#29

Cyclohexane

Concen: 35.183 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

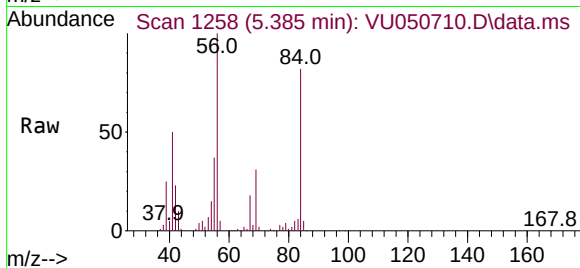
Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Instrument :

MSVOA_U

ClientSampleId :



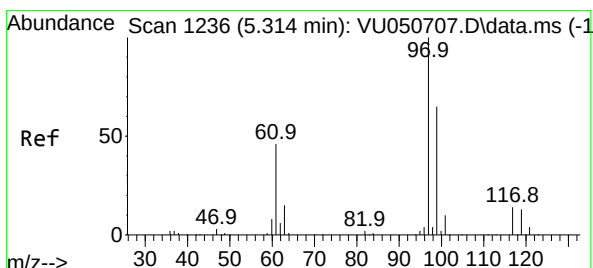
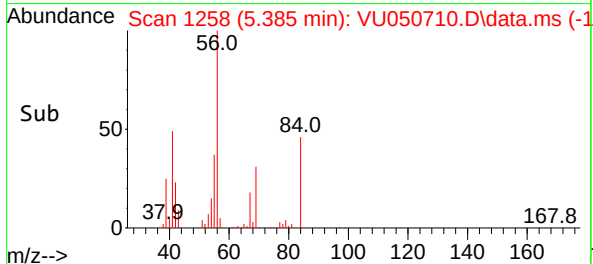
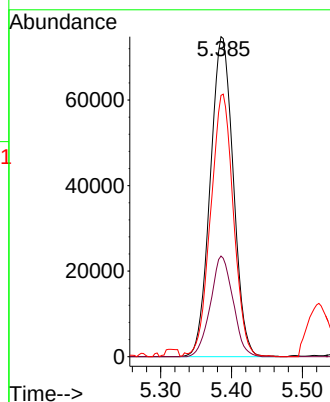
Tgt Ion: 56 Resp: 168552

Ion Ratio Lower Upper

56 100

69 30.8 24.6 37.0

84 81.2 67.4 101.2



#30

1,1,1-Trichloroethane

Concen: 44.217 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

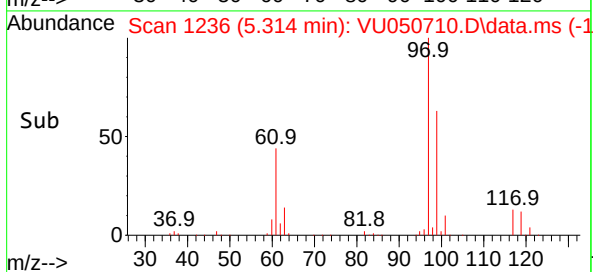
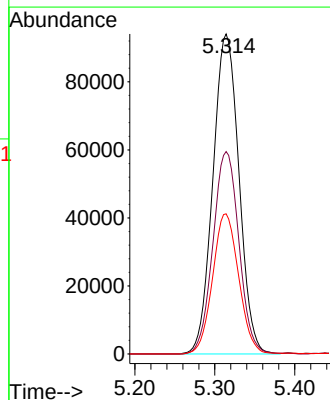
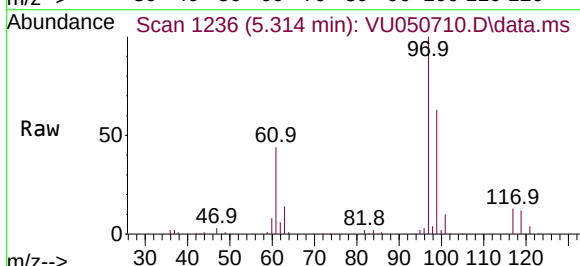
Tgt Ion: 97 Resp: 213046

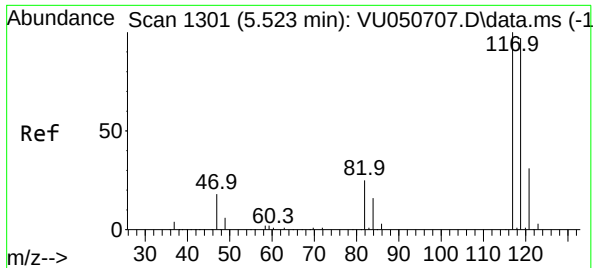
Ion Ratio Lower Upper

97 100

99 63.1 51.2 76.8

61 43.9 34.2 51.4

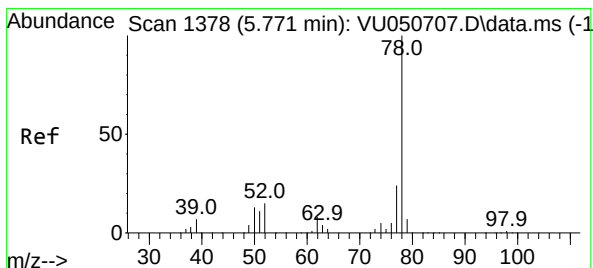
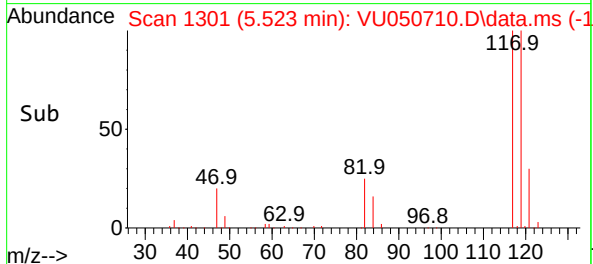
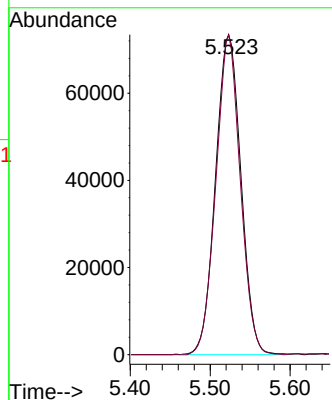
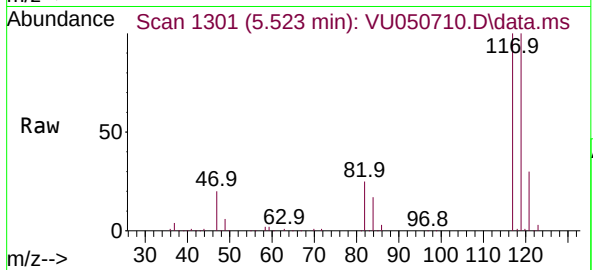




#31
Carbon tetrachloride
Concen: 40.913 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

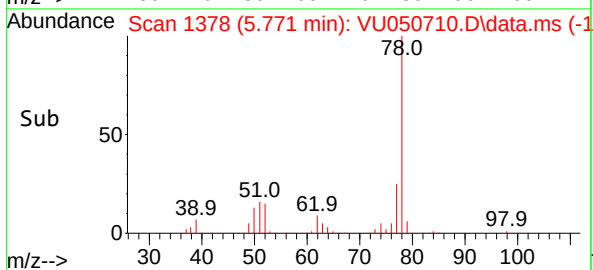
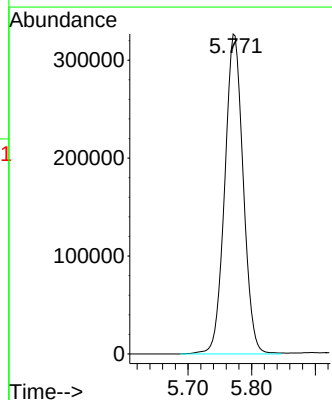
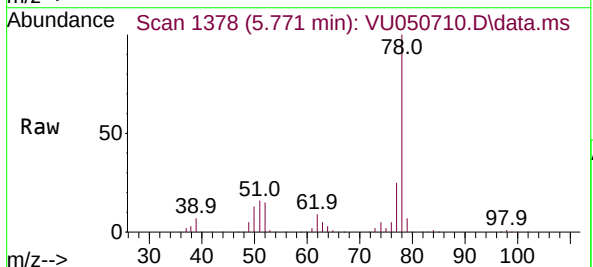
Instrument :
MSVOA_U
ClientSampleId :

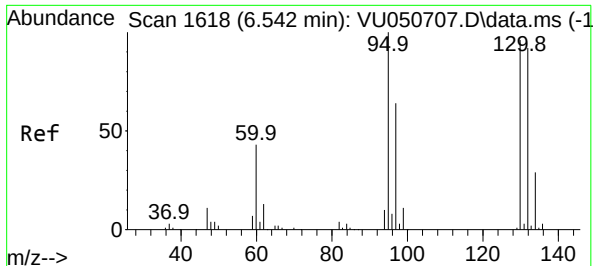
Tgt Ion:117 Resp: 161505
Ion Ratio Lower Upper
117 100
119 95.9 77.4 116.2



#33
Benzene
Concen: 50.683 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Tgt Ion: 78 Resp: 659815

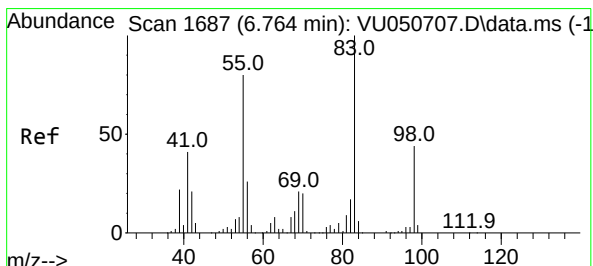
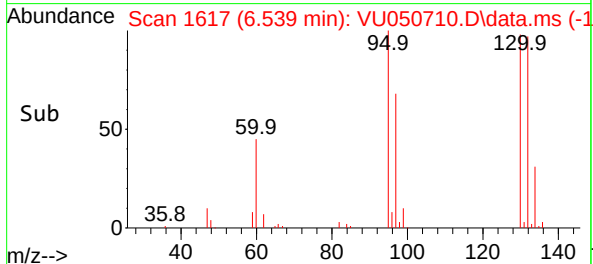
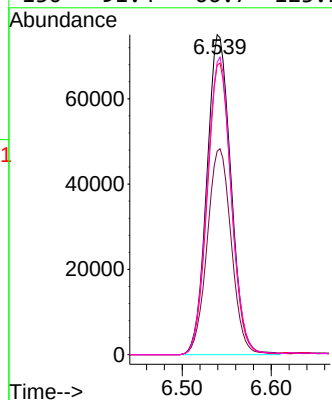
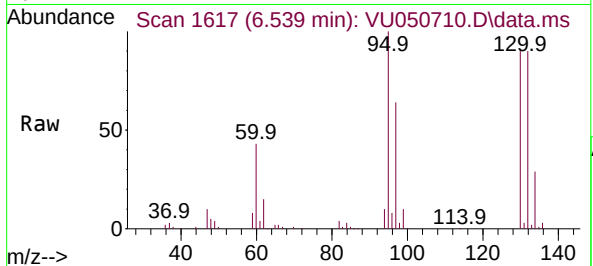




#34
Trichloroethene
Concen: 46.439 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

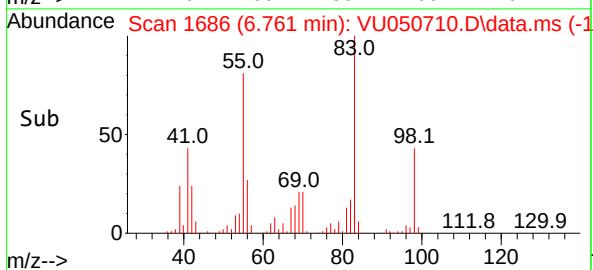
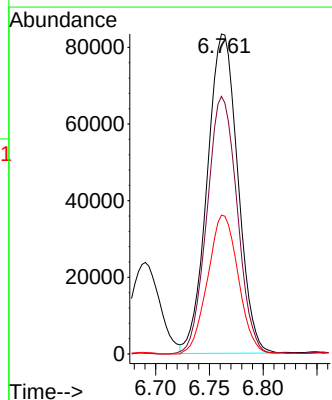
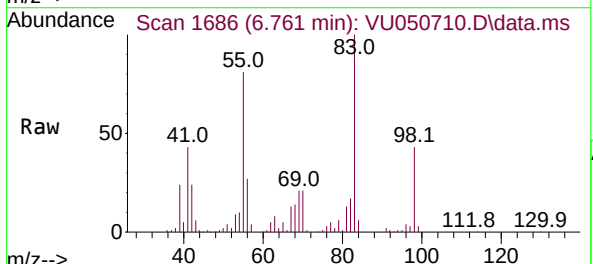
Instrument :
MSVOA_U
ClientSampleId :

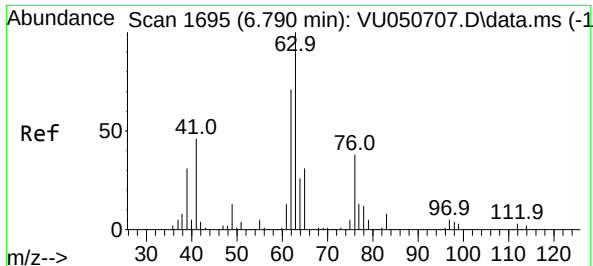
Tgt Ion: 95 Resp: 140870
Ion Ratio Lower Upper
95 100
97 63.6 45.4 84.2
132 90.4 65.2 121.2
130 91.4 66.7 123.9



#35
Methylcyclohexane
Concen: 34.222 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Tgt Ion: 83 Resp: 165039
Ion Ratio Lower Upper
83 100
55 79.7 62.6 93.8
98 43.6 35.5 53.3





#37

1,2-Dichloropropane

Concen: 55.432 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Instrument :

MSVOA_U

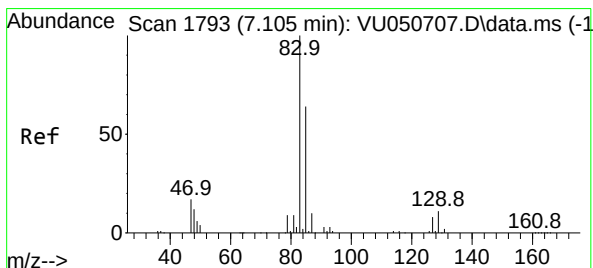
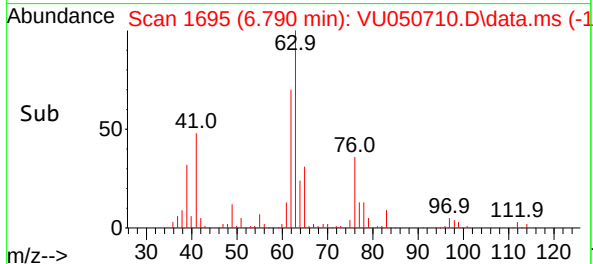
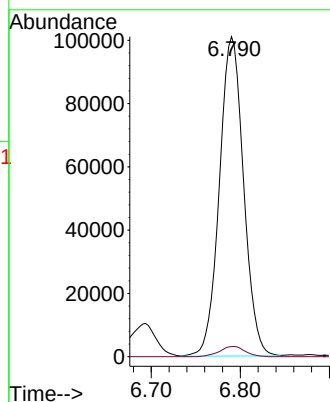
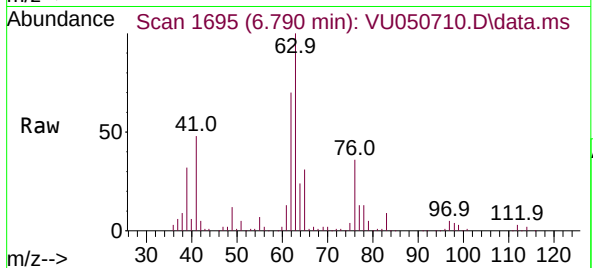
ClientSampleId :

Tgt Ion: 63 Resp: 190618

Ion Ratio Lower Upper

63 100

112 3.4 3.0 4.4



#38

Bromodichloromethane

Concen: 55.306 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

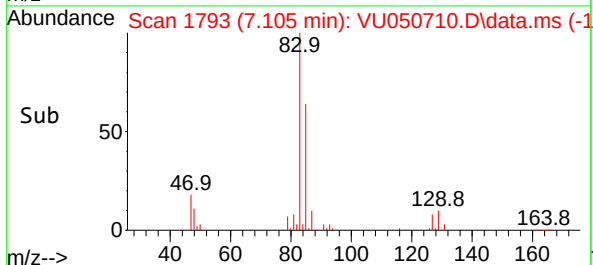
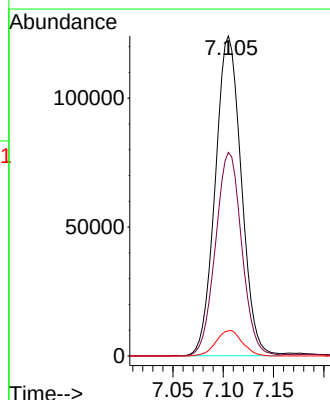
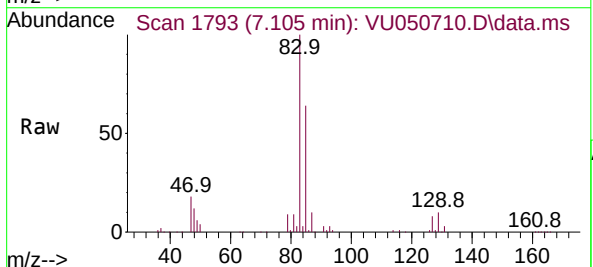
Tgt Ion: 83 Resp: 223718

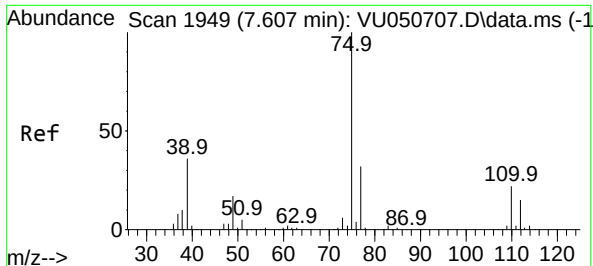
Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.5

127 7.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 53.809 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Instrument :

MSVOA_U

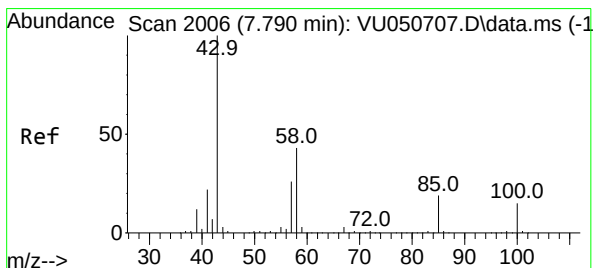
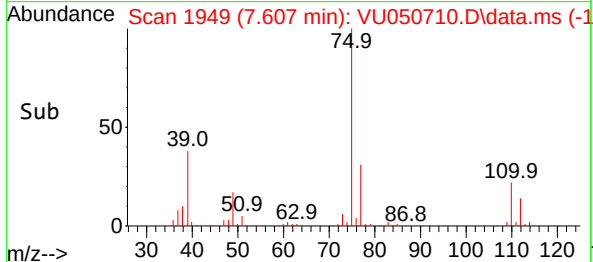
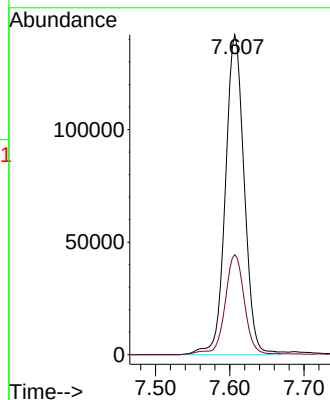
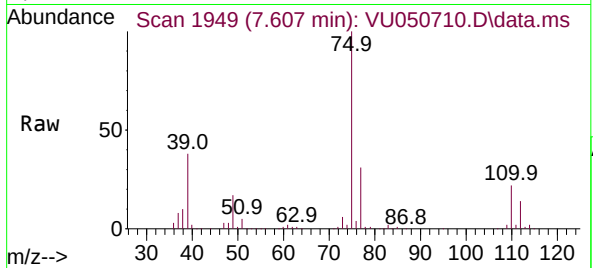
ClientSampleId :

Tgt Ion: 75 Resp: 250463

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 121.942 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

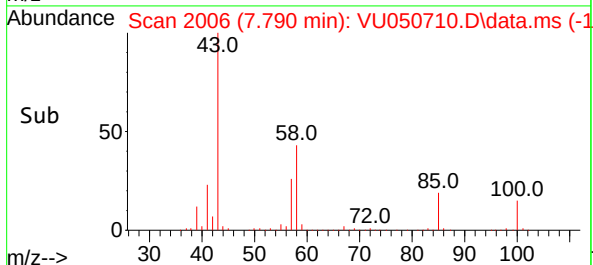
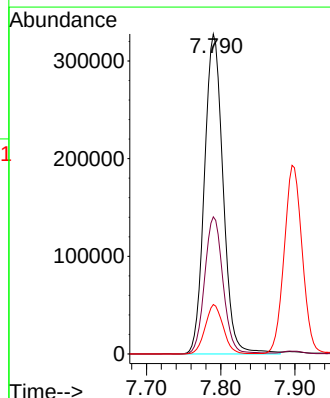
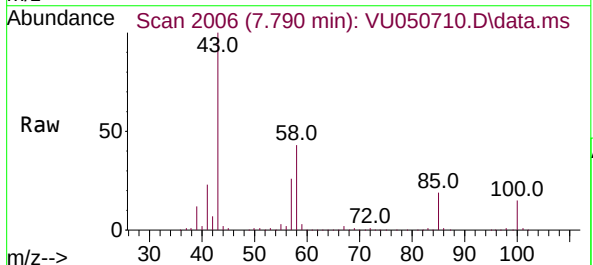
Tgt Ion: 43 Resp: 571433

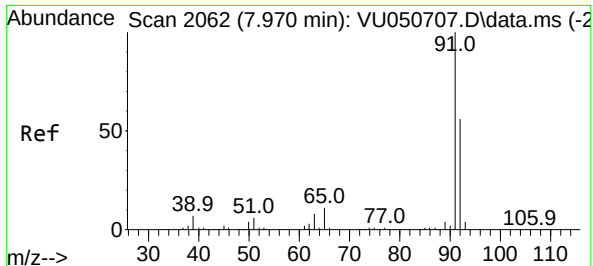
Ion Ratio Lower Upper

43 100

58 42.3 35.1 52.7

100 14.9 12.9 19.3





#42

Toluene

Concen: 49.886 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Instrument :

MSVOA_U

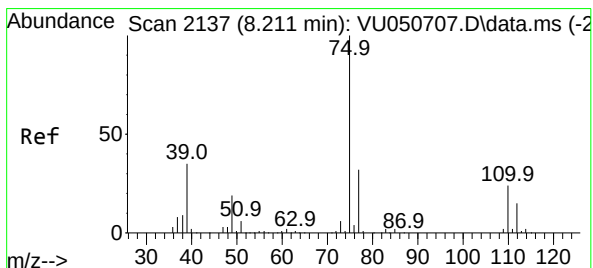
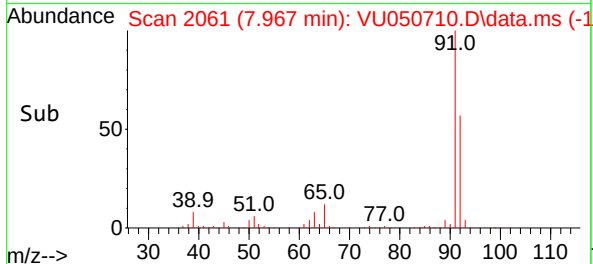
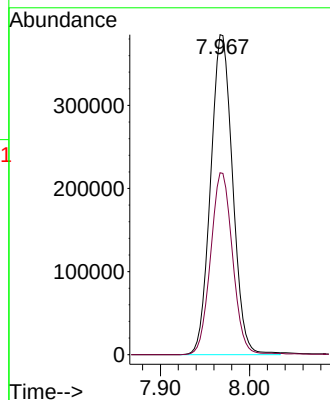
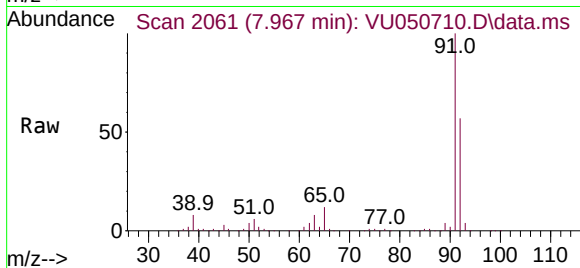
ClientSampleId :

Tgt Ion: 91 Resp: 659690

Ion Ratio Lower Upper

91 100

92 56.8 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 55.201 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU050710.D

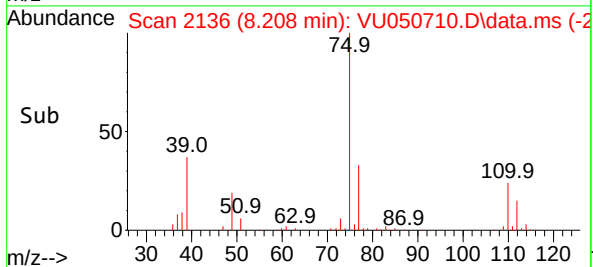
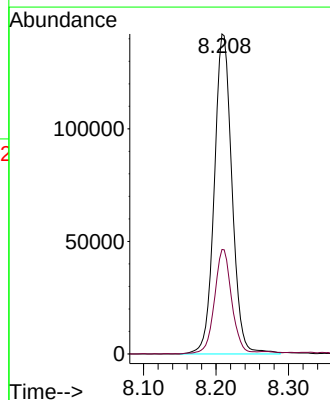
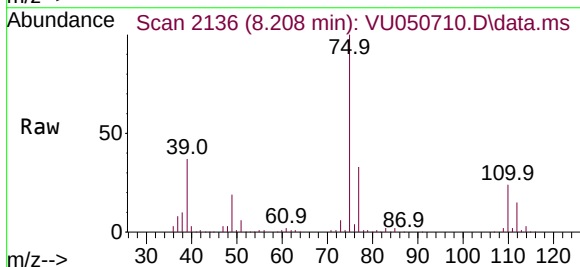
Acq: 13 Sep 2022 20:16

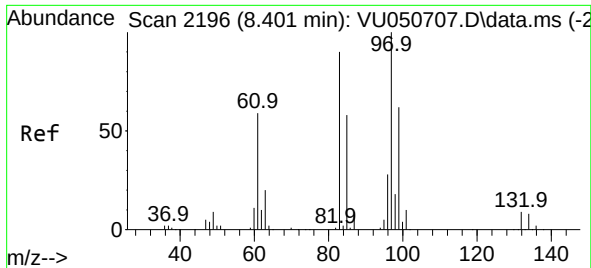
Tgt Ion: 75 Resp: 241073

Ion Ratio Lower Upper

75 100

77 32.7 22.1 41.1

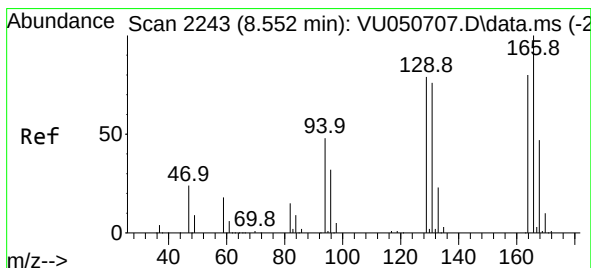
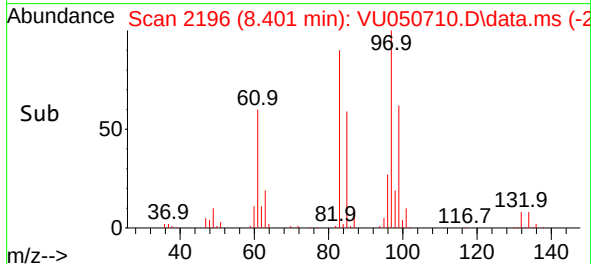
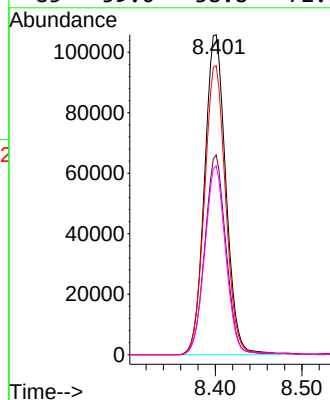
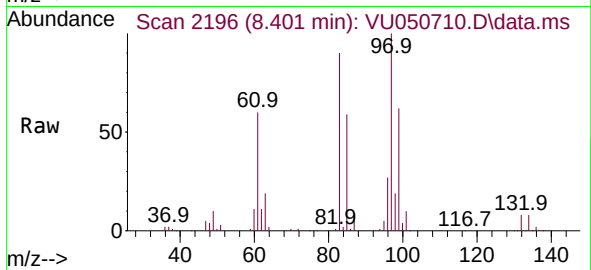




#45
1,1,2-Trichloroethane
Concen: 54.696 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

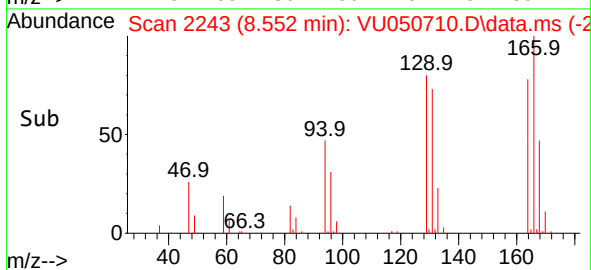
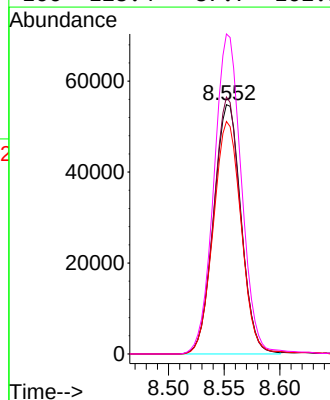
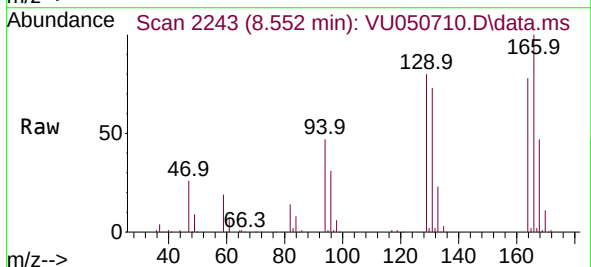
Instrument :
MSVOA_U
ClientSampleId :

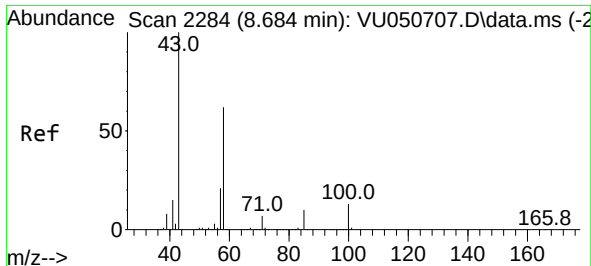
Tgt Ion:	97	Resp:	180680
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.5	80.9
83	90.4	61.6	114.4
85	59.0	38.8	72.0



#46
Tetrachloroethene
Concen: 42.413 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Tgt Ion:	164	Resp:	93970
Ion	Ratio	Lower	Upper
164	100		
129	103.1	68.7	127.5
131	93.3	66.2	123.0
166	128.4	87.7	162.9

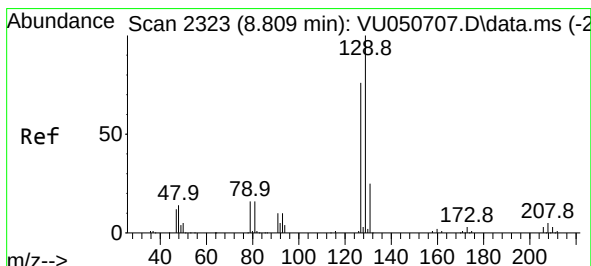
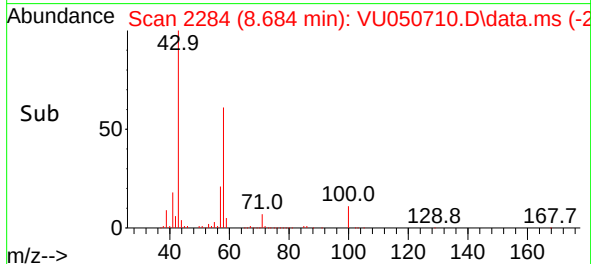
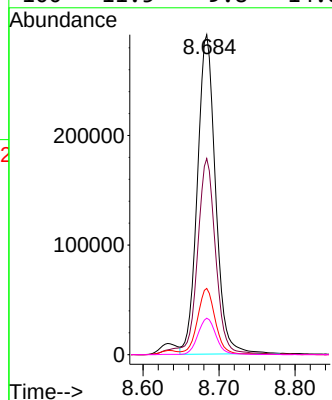
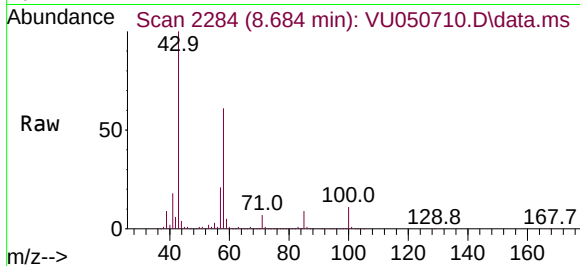




#48
2-Hexanone
Concen: 110.301 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

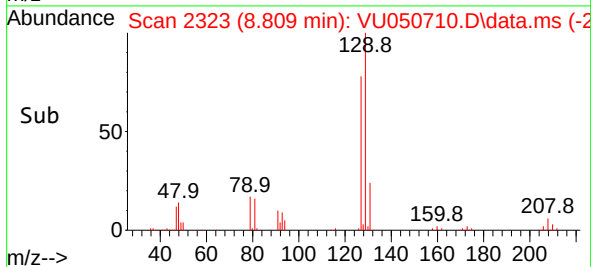
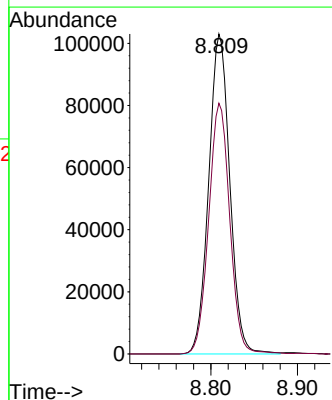
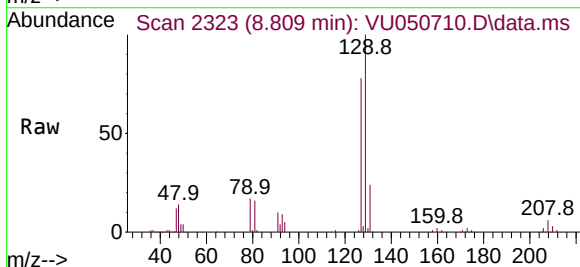
Instrument :
MSVOA_U
ClientSampleId :

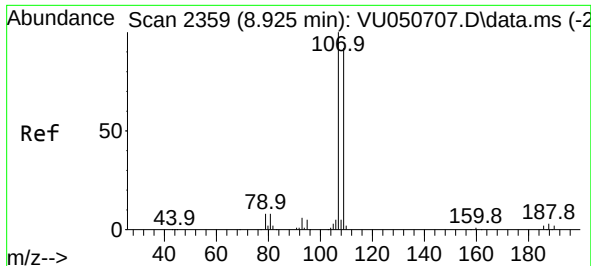
Tgt Ion: 43 Resp: 482382
Ion Ratio Lower Upper
43 100
58 62.3 51.8 77.6
57 20.7 17.0 25.4
100 11.5 9.8 14.8



#49
Dibromochloromethane
Concen: 55.312 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

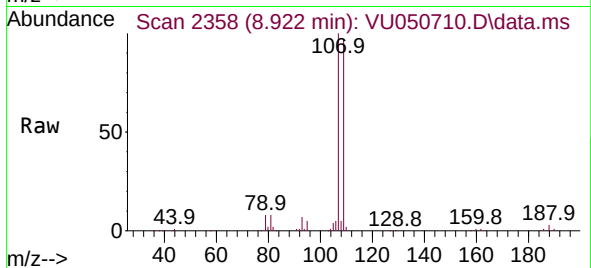
Tgt Ion: 129 Resp: 174274
Ion Ratio Lower Upper
129 100
127 78.3 53.8 100.0



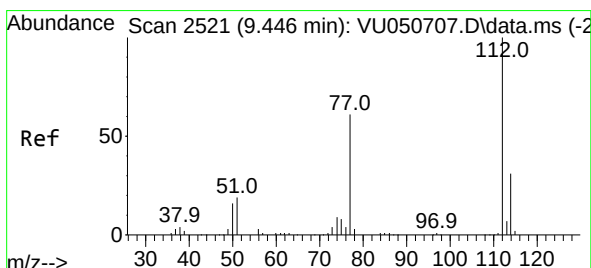
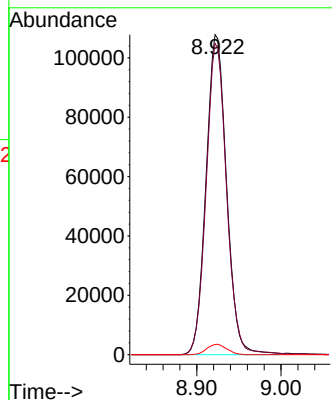
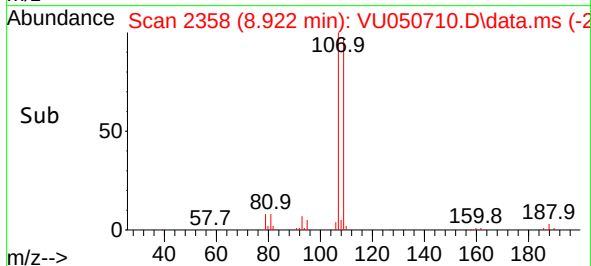


#50
1,2-Dibromoethane
Concen: 54.423 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Instrument :
MSVOA_U
ClientSampleId :

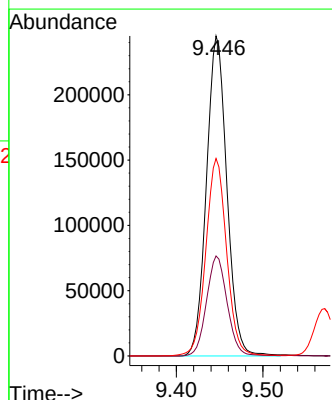
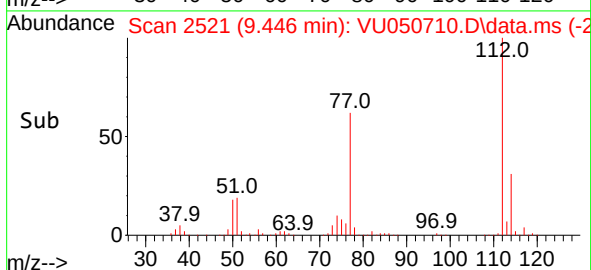
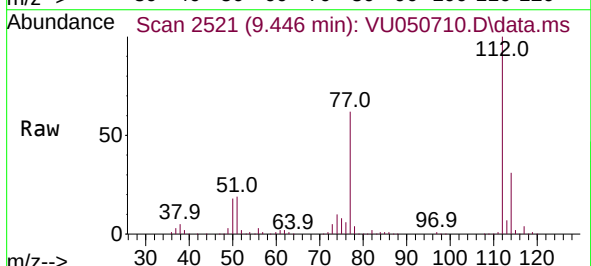


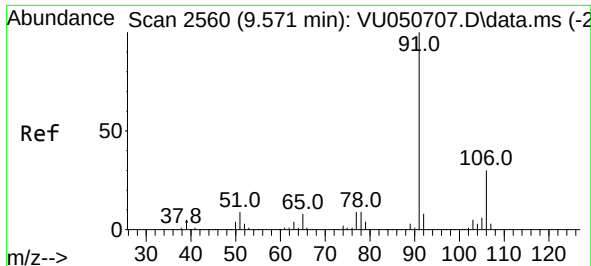
Tgt Ion:107 Resp: 182834
Ion Ratio Lower Upper
107 100
109 97.3 67.5 125.4
188 3.2 2.5 3.7



#51
Chlorobenzene
Concen: 48.976 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Tgt Ion:112 Resp: 401958
Ion Ratio Lower Upper
112 100
114 31.2 22.1 41.1
77 61.7 49.2 73.8

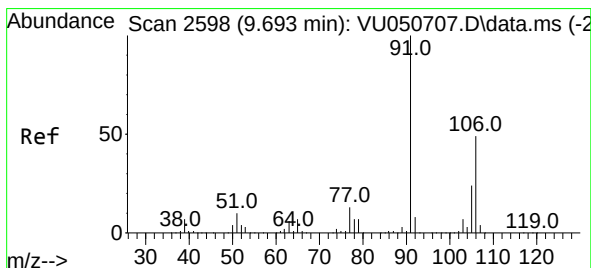
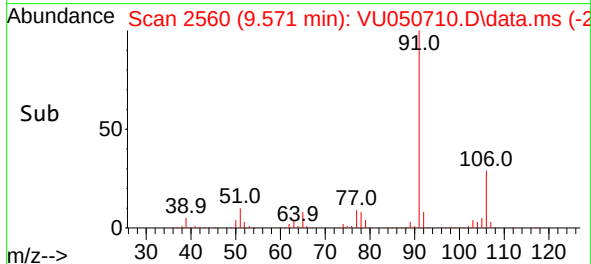
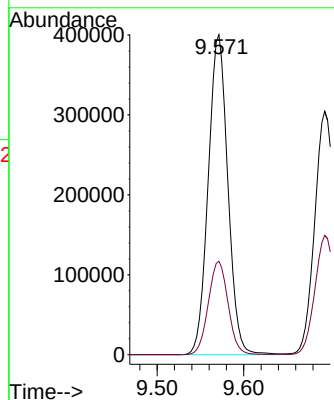
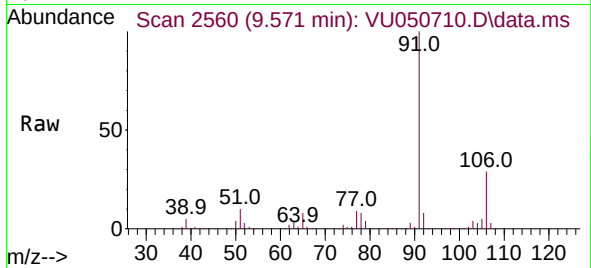




#52
Ethylbenzene
Concen: 48.148 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

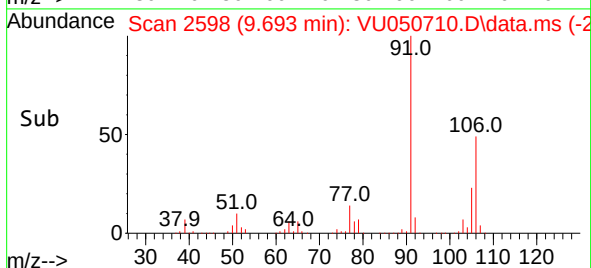
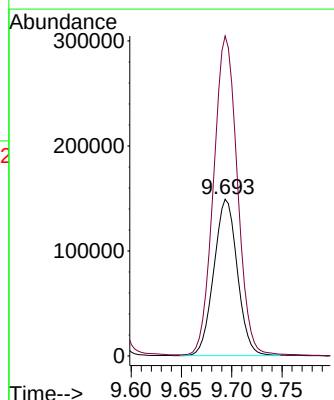
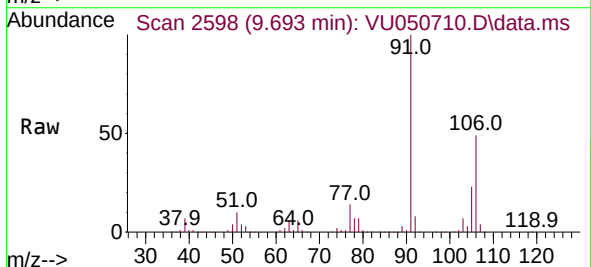
Instrument :
MSVOA_U
ClientSampleId :

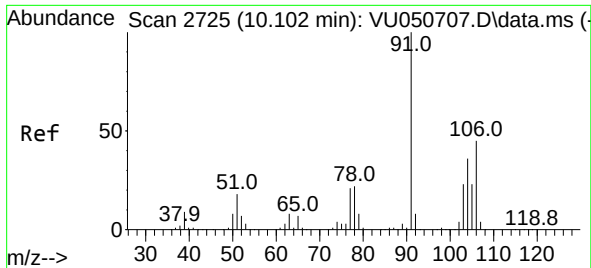
Tgt Ion: 91 Resp: 629000
Ion Ratio Lower Upper
91 100
106 29.2 21.2 39.4



#53
m,p-Xylene
Concen: 48.478 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Tgt Ion: 106 Resp: 242633
Ion Ratio Lower Upper
106 100
91 204.1 147.1 273.3

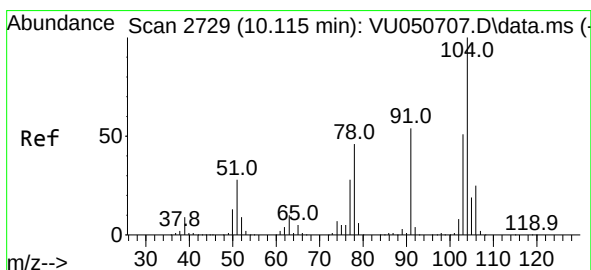
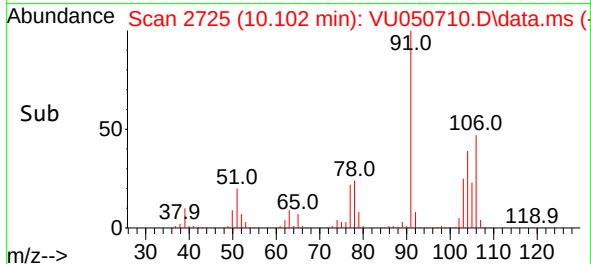
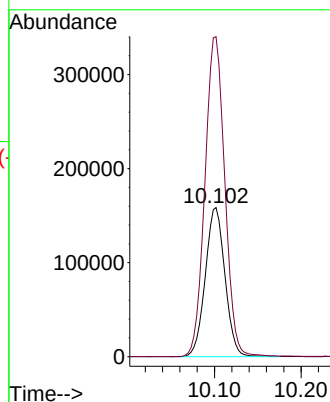
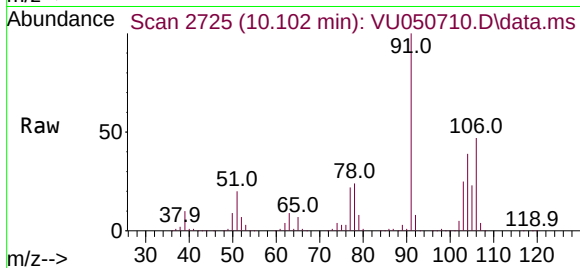




#54
o-Xylene
Concen: 50.269 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

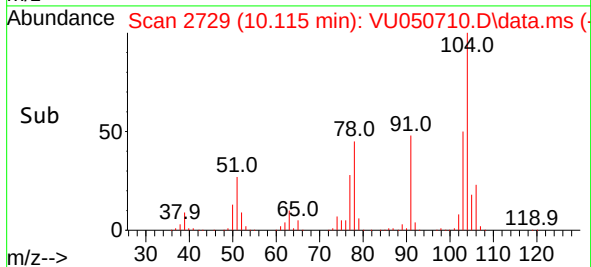
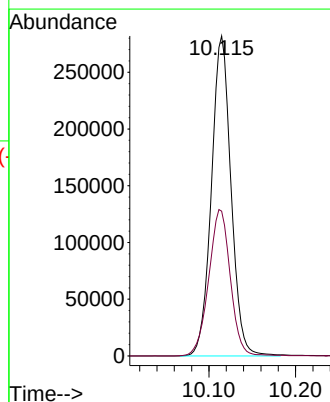
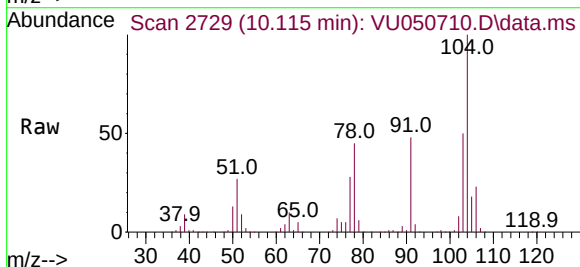
Instrument :
MSVOA_U
ClientSampleId :

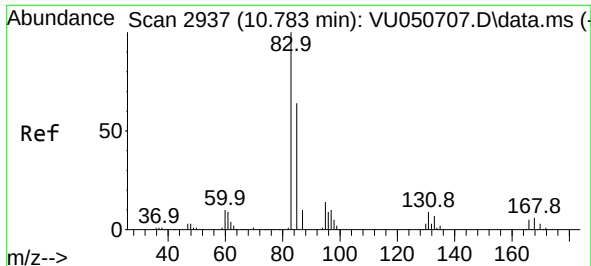
Tgt Ion:106 Resp: 250488
Ion Ratio Lower Upper
106 100
91 214.7 153.4 284.8



#55
Styrene
Concen: 54.093 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Tgt Ion:104 Resp: 443494
Ion Ratio Lower Upper
104 100
78 45.2 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 56.905 ug/L

RT: 10.780 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Instrument :

MSVOA_U

ClientSampleId :

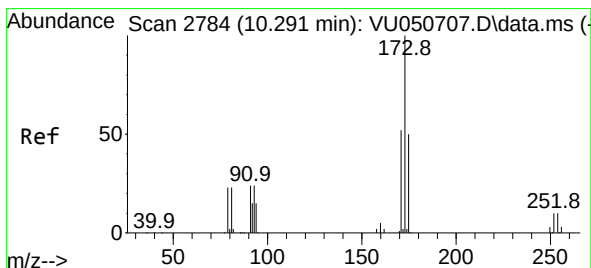
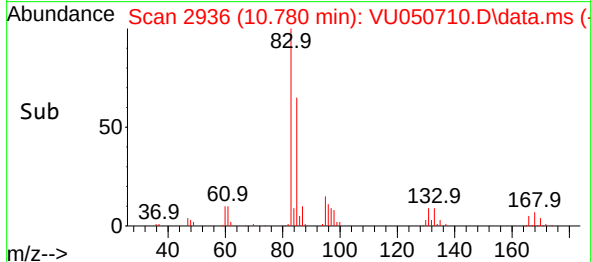
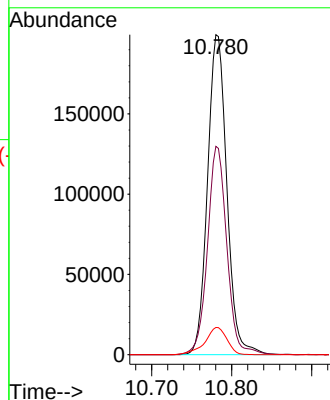
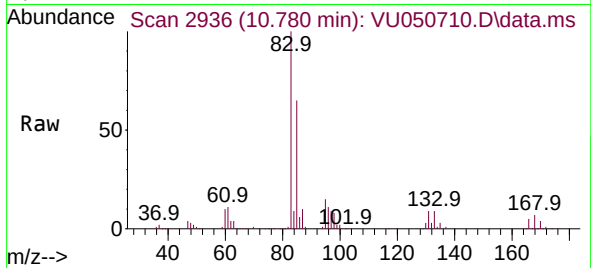
Tgt Ion: 83 Resp: 334834

Ion Ratio Lower Upper

83 100

85 65.1 45.5 84.5

131 8.5 7.7 11.5



#59

Bromoform

Concen: 50.509 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

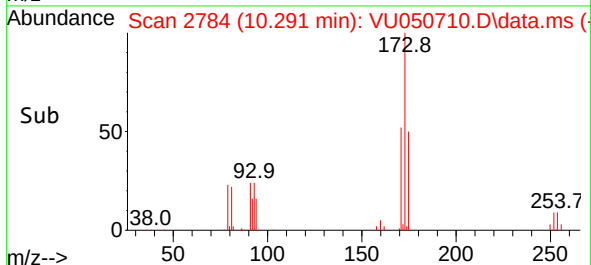
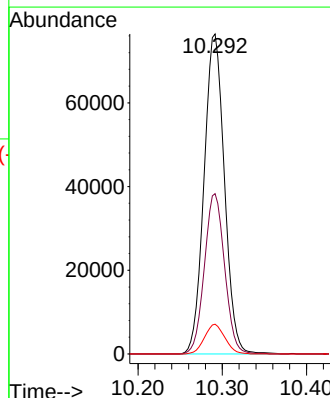
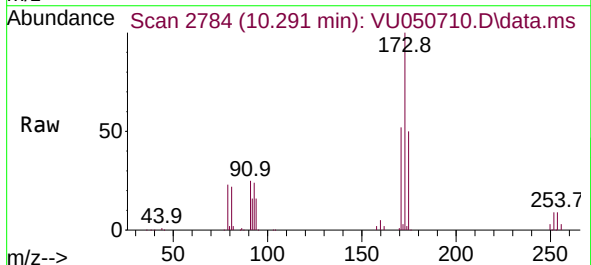
Tgt Ion:173 Resp: 128868

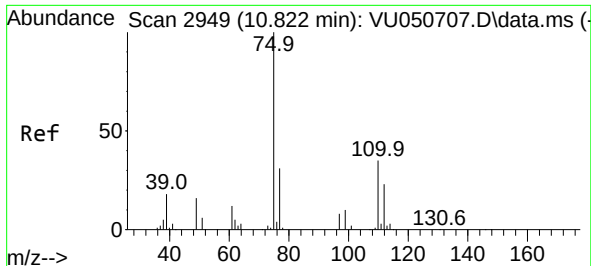
Ion Ratio Lower Upper

173 100

175 49.6 40.0 60.0

254 9.3 7.4 11.0

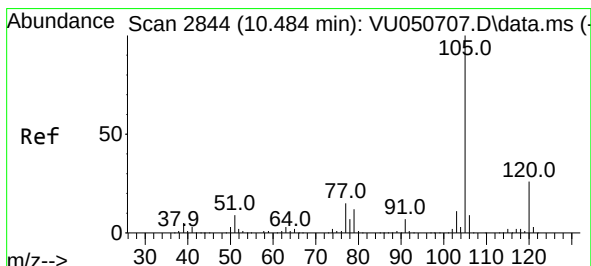
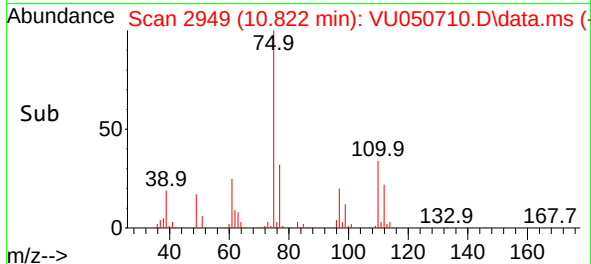
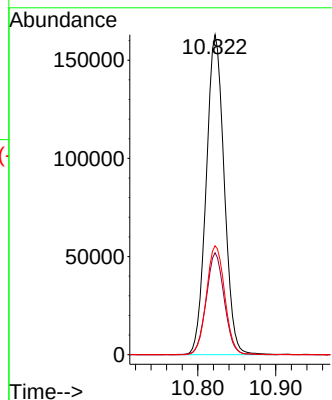
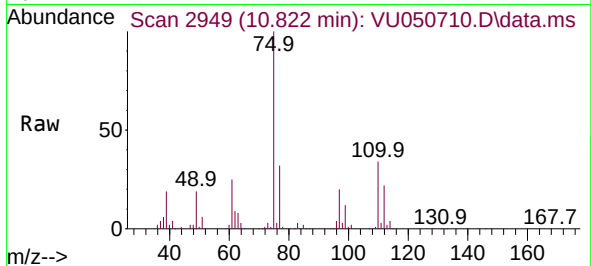




#60
1,2,3-Trichloropropane
Concen: 52.060 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

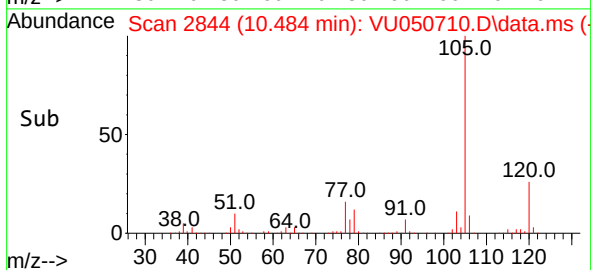
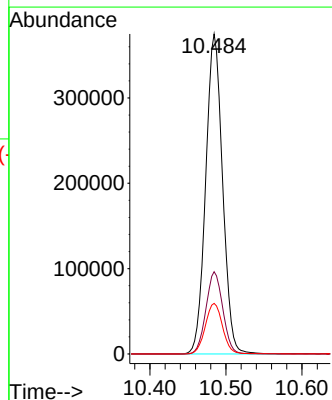
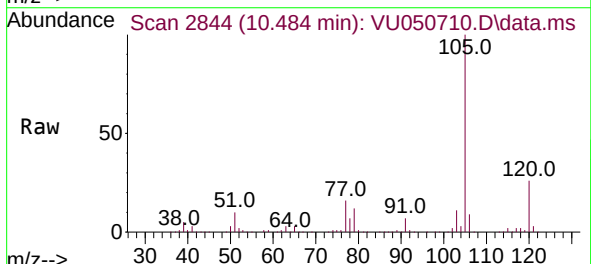
Instrument :
MSVOA_U
ClientSampleId :

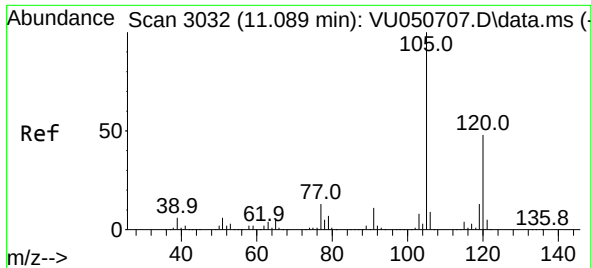
Tgt Ion: 75 Resp: 261210
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.8
110 34.5 29.3 43.9



#61
Isopropylbenzene
Concen: 42.644 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Tgt Ion: 105 Resp: 577231
Ion Ratio Lower Upper
105 100
120 25.7 20.4 30.6
77 16.2 12.8 19.2

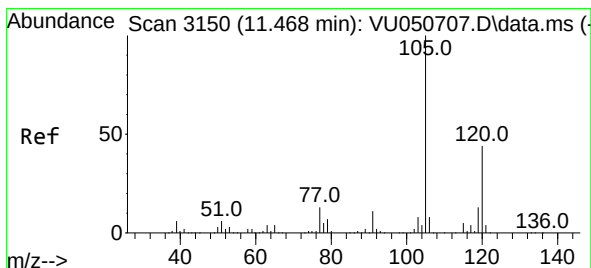
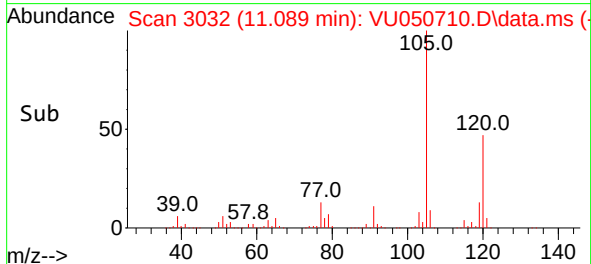
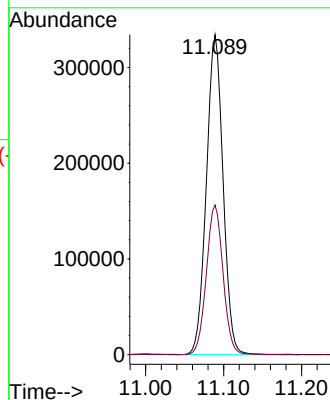
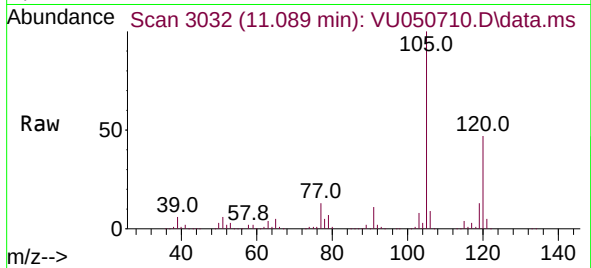




#62
 1,3,5-Trimethylbenzene
 Concen: 42.886 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU050710.D
 Acq: 13 Sep 2022 20:16

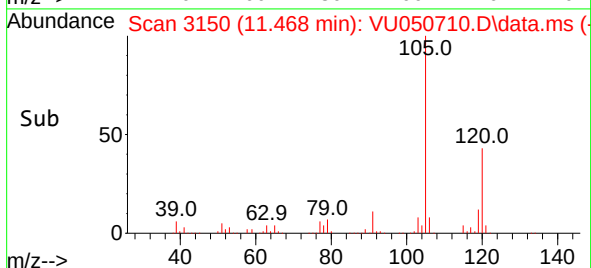
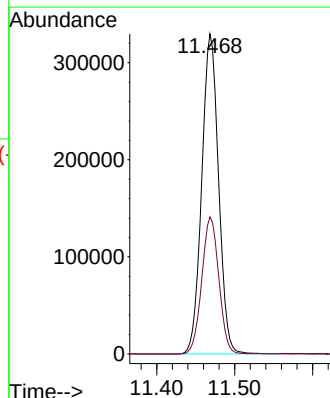
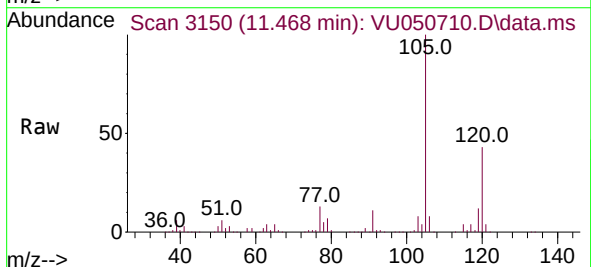
Instrument :
 MSVOA_U
 ClientSampleId :

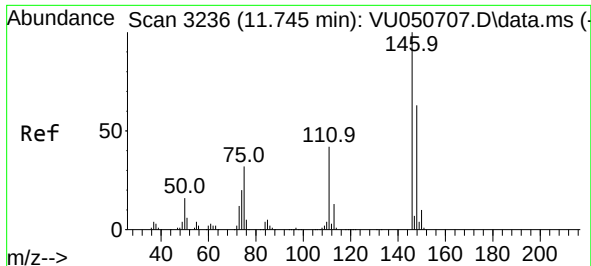
Tgt Ion:105 Resp: 496273
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 44.492 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU050710.D
 Acq: 13 Sep 2022 20:16

Tgt Ion:105 Resp: 494411
 Ion Ratio Lower Upper
 105 100
 120 43.3 35.3 52.9

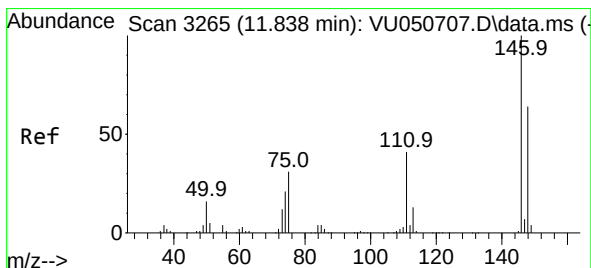
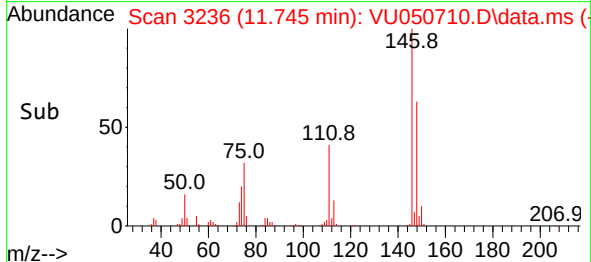
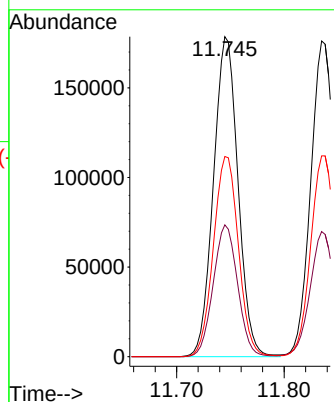
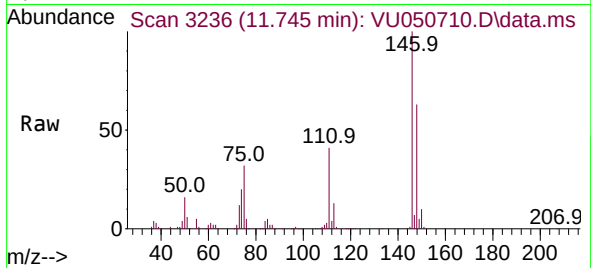




#64
1,3-Dichlorobenzene
Concen: 47.525 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

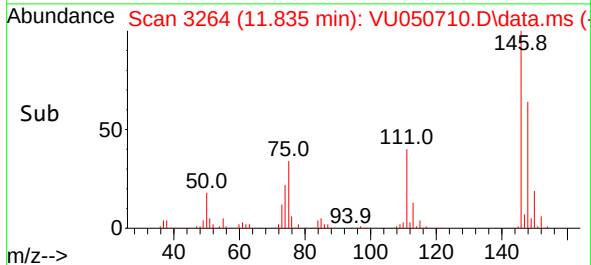
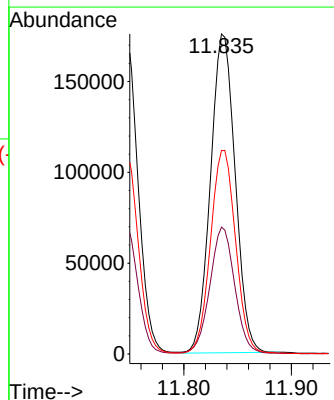
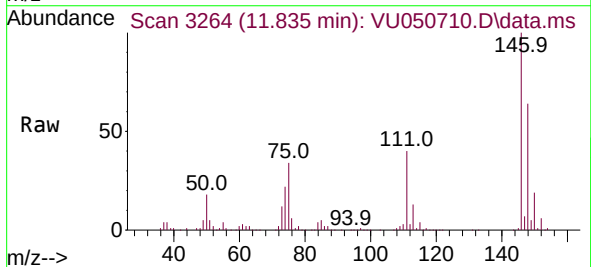
Instrument :
MSVOA_U
ClientSampleId :

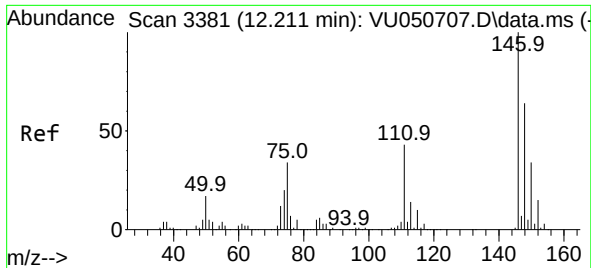
Tgt Ion:146 Resp: 283051
Ion Ratio Lower Upper
146 100
111 41.2 29.9 55.5
148 62.6 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 47.565 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Tgt Ion:146 Resp: 280020
Ion Ratio Lower Upper
146 100
111 39.6 27.9 51.7
148 63.6 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 47.782 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Instrument :

MSVOA_U

ClientSampleId :

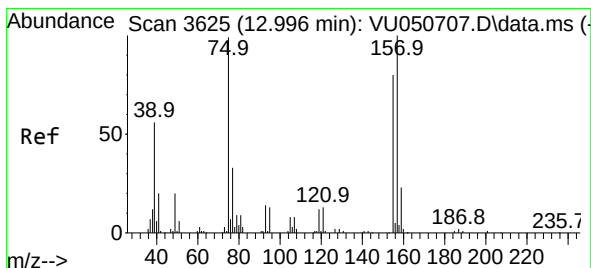
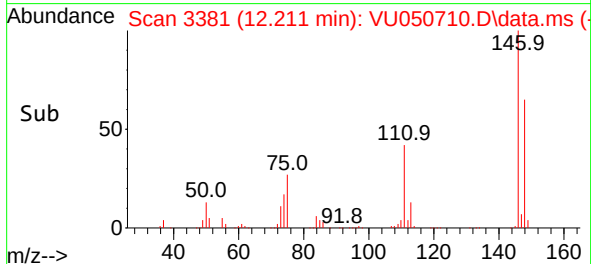
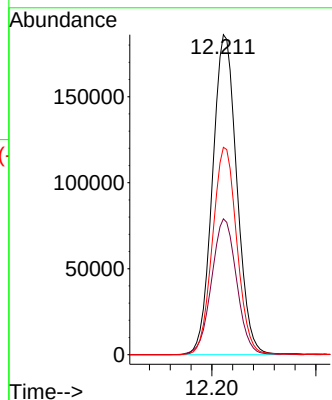
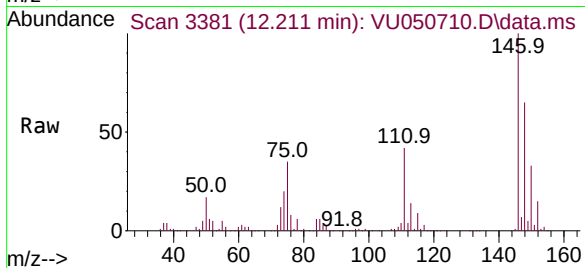
Tgt Ion:146 Resp: 303093

Ion Ratio Lower Upper

146 100

111 42.5 35.1 52.7

148 64.8 51.8 77.6



#68

1,2-Dibromo-3-chloropropane

Concen: 50.301 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

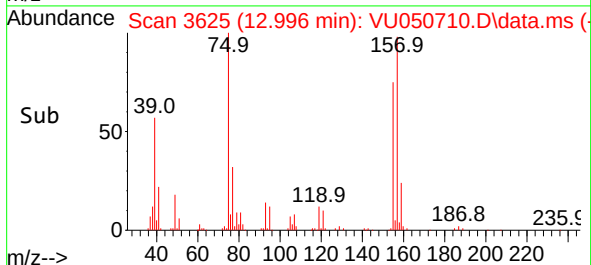
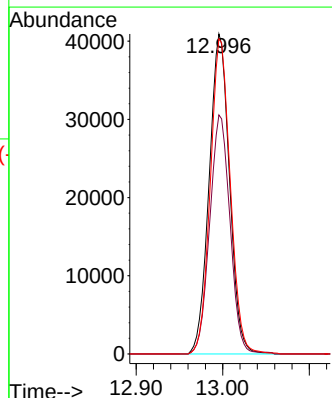
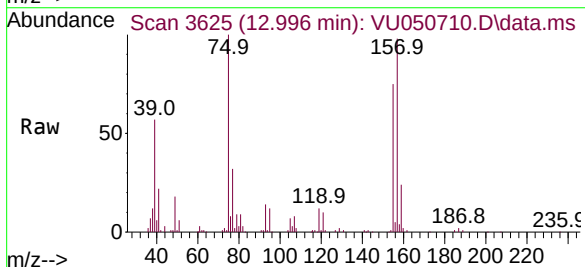
Tgt Ion: 75 Resp: 66649

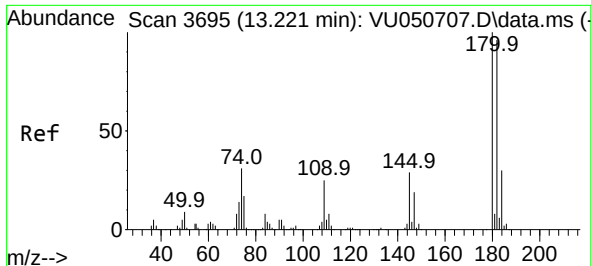
Ion Ratio Lower Upper

75 100

155 74.7 67.8 101.6

157 98.5 82.6 124.0





#69

1,3,5-Trichlorobenzene

Concen: 44.932 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.003 min

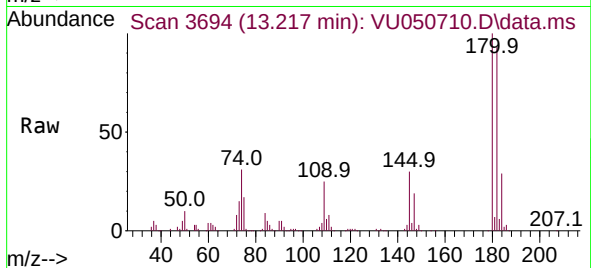
Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 194209

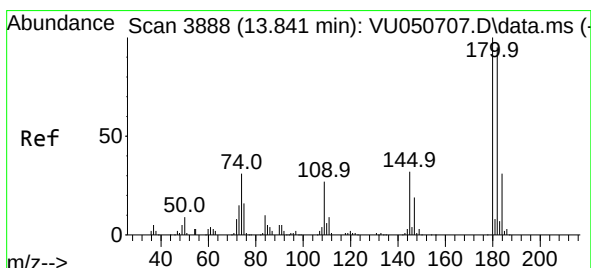
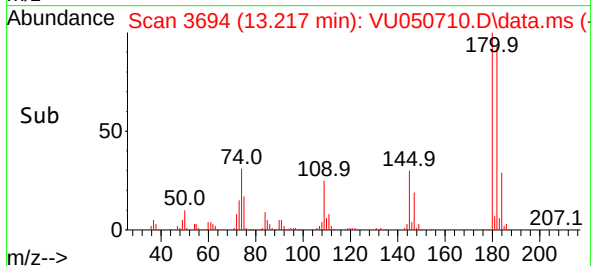
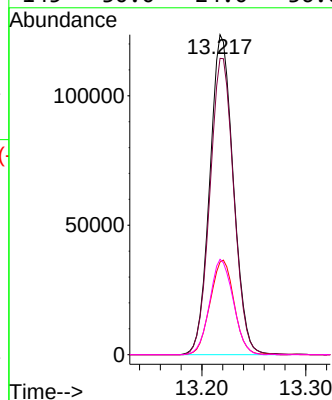
Ion Ratio Lower Upper

180 100

182 94.2 75.3 112.9

184 30.1 23.8 35.8

145 30.0 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 44.197 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU050710.D

Acq: 13 Sep 2022 20:16

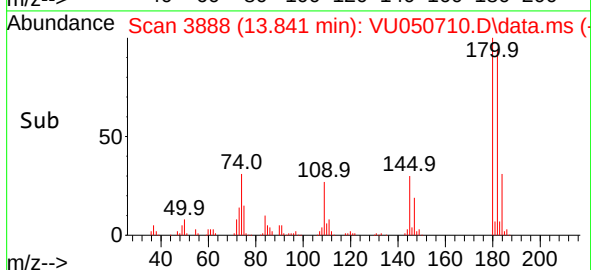
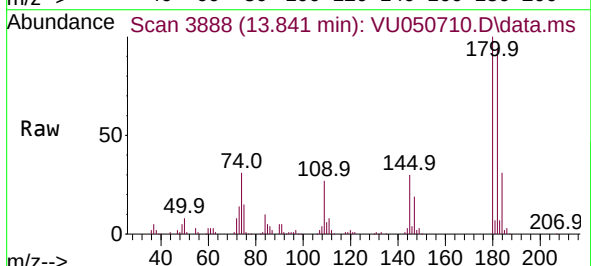
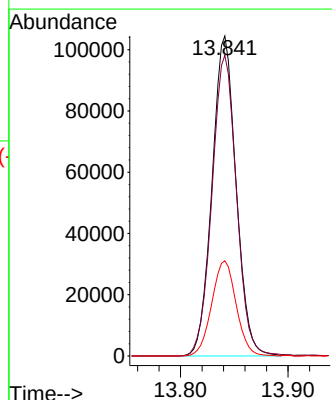
Tgt Ion:180 Resp: 162211

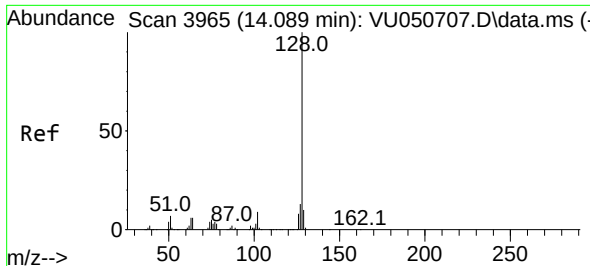
Ion Ratio Lower Upper

180 100

182 95.7 76.2 114.2

145 30.2 24.7 37.1

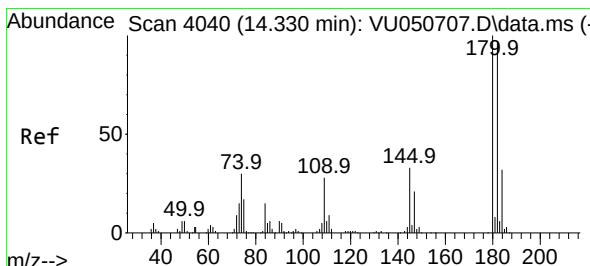
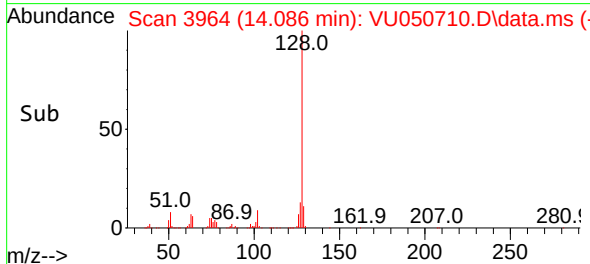
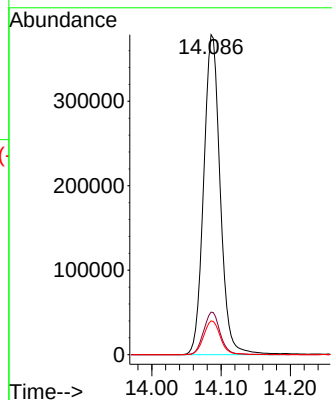
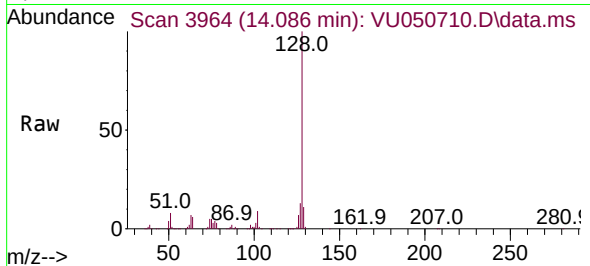




#71
Naphthalene
Concen: 48.118 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 626129
Ion Ratio Lower Upper
128 100
127 13.3 10.1 15.1
129 10.7 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 47.593 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050710.D
Acq: 13 Sep 2022 20:16

Tgt Ion:180 Resp: 189154
Ion Ratio Lower Upper
180 100
182 95.2 76.1 114.1
145 32.7 26.4 39.6

