

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U082422\
 Data File : VU050435.D
 Acq On : 24 Aug 2022 19:11
 Operator : SY/MD
 Sample : N4322-14MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 25 05:33:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 25 05:03:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	340004	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	325843	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	145878	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	166432	41.398	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.800%
7) Chloroethane-d5	1.900	69	132138	44.419	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.840%
11) 1,1-Dichloroethene-d2	2.562	63	236344	41.598	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.200%
21) 2-Butanone-d5	4.623	46	261171	99.250	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.250%
24) Chloroform-d	5.063	84	287621	44.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.140%
26) 1,2-Dichloroethane-d4	5.700	65	178693	44.551	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.100%
32) Benzene-d6	5.726	84	571910	47.502	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.000%
36) 1,2-Dichloropropane-d6	6.690	67	188514	47.264	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.520%
41) Toluene-d8	7.899	98	494709	46.958	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.920%
43) trans-1,3-Dichloroprop...	8.179	79	77459	46.557	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.120%
47) 2-Hexanone-d5	8.632	63	162580	109.839	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.840%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	294614	47.890	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.780%
66) 1,2-Dichlorobenzene-d4	12.195	152	166757	47.854	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	114749	43.176	ug/L	99
3) Chloromethane	1.517	50	150992	48.815	ug/L	97
5) Vinyl chloride	1.601	62	142011	46.952	ug/L	100
6) Bromomethane	1.839	94	64605	57.766	ug/L	97
8) Chloroethane	1.922	64	91001	49.524	ug/L	99
9) Trichlorofluoromethane	2.131	101	168875	43.885	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	99512	42.179	ug/L	99
12) 1,1-Dichloroethene	2.575	96	96348	46.194	ug/L	97
13) Acetone	2.626	43	146462	84.651	ug/L	99
14) Carbon disulfide	2.787	76	238490	44.809	ug/L	100
15) Methyl Acetate	2.948	43	141362	45.412	ug/L	99
16) Methylene chloride	3.041	84	134337	46.215	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	104773	47.786	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	367346	52.935	ug/L	99
19) 1,1-Dichloroethane	3.867	63	228870	48.182	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	130588	49.736	ug/L	96
22) 2-Butanone	4.703	43	233111	99.414	ug/L	99
23) Bromochloromethane	4.973	128	70299	49.022	ug/L	98
25) Chloroform	5.086	83	241047	47.633	ug/L	99

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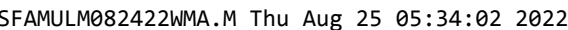
Instrument :
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 ClientSampleId :

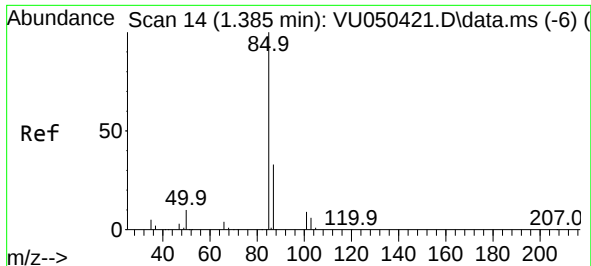
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	183352	48.571	ug/L	98
29) Cyclohexane	5.388	56	146303	48.810	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	181232	48.614	ug/L	99
31) Carbon tetrachloride	5.523	117	144289	47.164	ug/L	100
33) Benzene	5.774	78	513522	52.053	ug/L	100
34) Trichloroethene	6.543	95	113074	48.421	ug/L	98
35) Methylcyclohexane	6.764	83	143582	43.971	ug/L	99
37) 1,2-Dichloropropane	6.790	63	146358	51.073	ug/L	100
38) Bromodichloromethane	7.105	83	182085	49.804	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	189049	50.237	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	434148	114.006	ug/L	100
42) Toluene	7.970	91	520574	52.374	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	178782	50.969	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	142716	50.613	ug/L	98
46) Tetrachloroethene	8.552	164	77892	45.415	ug/L	98
48) 2-Hexanone	8.684	43	369570	116.209	ug/L	98
49) Dibromochloromethane	8.809	129	143567	49.152	ug/L	96
50) 1,2-Dibromoethane	8.925	107	142838	50.688	ug/L	99
51) Chlorobenzene	9.446	112	320474	49.131	ug/L	98
52) Ethylbenzene	9.571	91	497728	49.684	ug/L	99
53) m,p-Xylene	9.694	106	188603	50.413	ug/L	99
54) o-Xylene	10.102	106	196600	52.895	ug/L	99
55) Styrene	10.115	104	320269	50.640	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	265059	51.444	ug/L	99
59) Bromoform	10.292	173	105459	50.483	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	200286	53.279	ug/L	100
61) Isopropylbenzene	10.484	105	471278	52.231	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	368626	50.597	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	375394	52.829	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	214776	48.682	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	212510	47.830	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	236341	50.942	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	52933	52.982	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	137596	45.245	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	115446	47.401	ug/L	97
71) Naphthalene	14.089	128	470289	58.865	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	139335	52.345	ug/L	99

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

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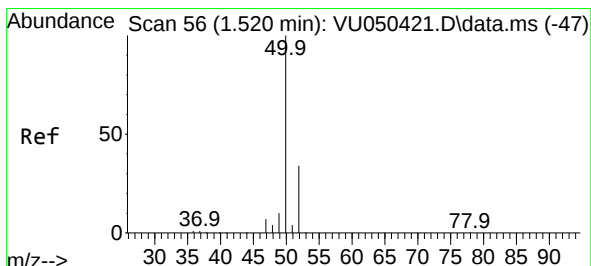
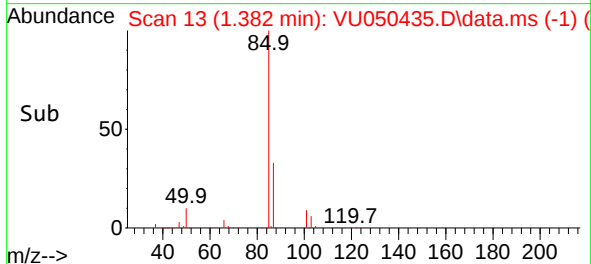
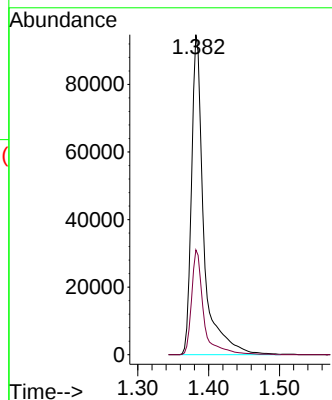
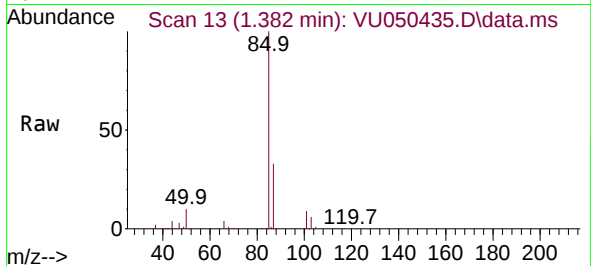




#2
Dichlorodifluoromethane
Concen: 43.176 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

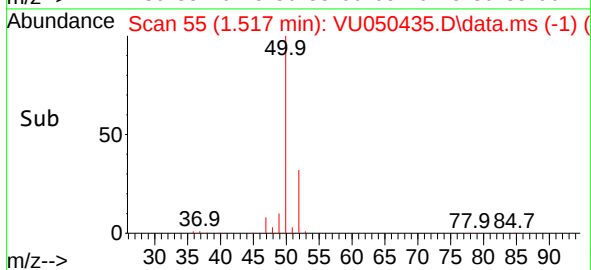
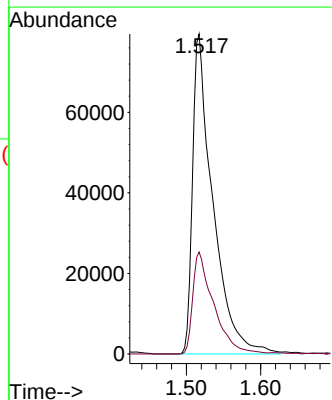
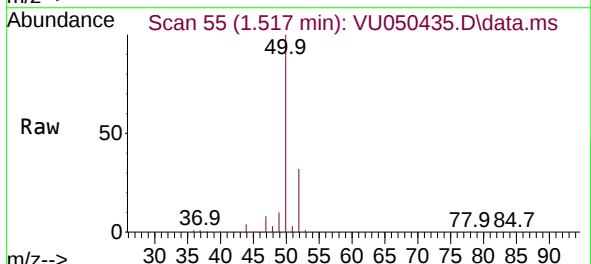
Instrument :
MSVOA_U
ClientSampleId :

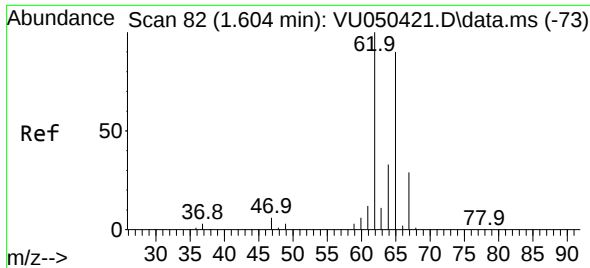
Tgt Ion: 85 Resp: 114749
Ion Ratio Lower Upper
85 100
87 32.1 26.2 39.4



#3
Chloromethane
Concen: 48.815 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

Tgt Ion: 50 Resp: 150992
Ion Ratio Lower Upper
50 100
52 31.9 23.4 43.6

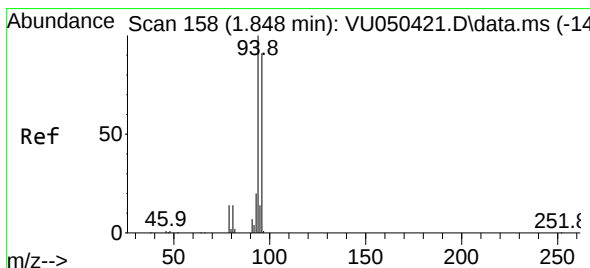
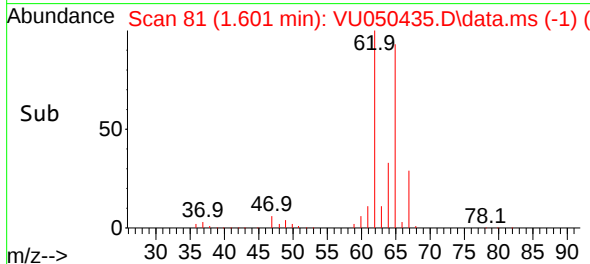
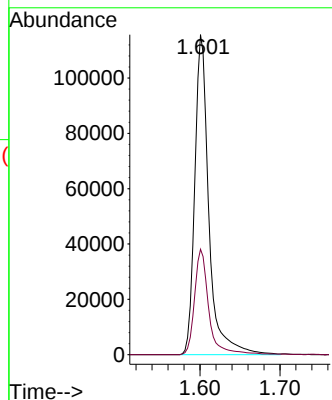
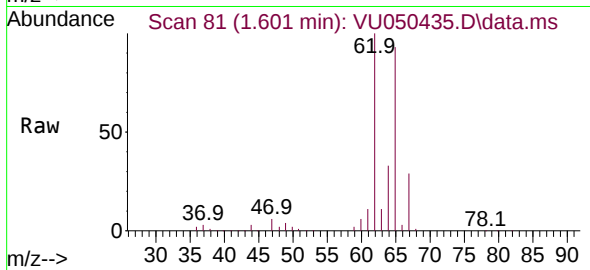




#5
 Vinyl chloride
 Concen: 46.952 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU050435.D
 Acq: 24 Aug 2022 19:11

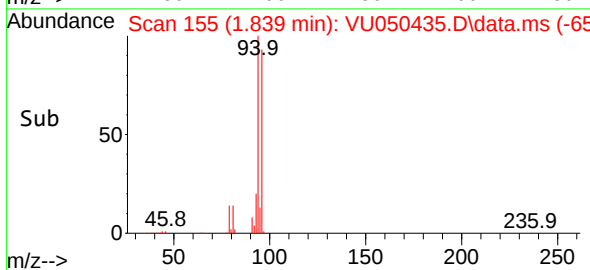
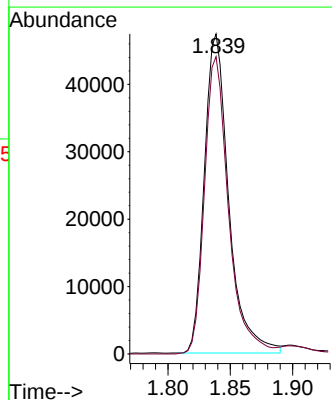
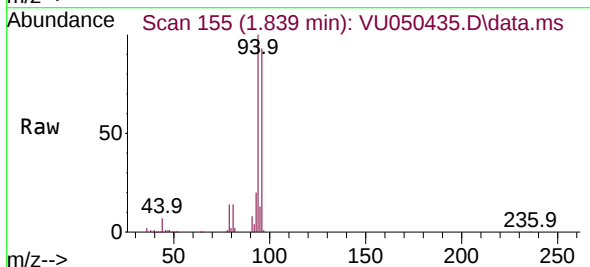
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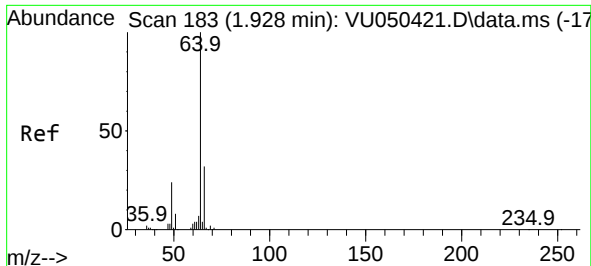
Tgt Ion: 62 Resp: 142011
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.1 42.9



#6
 Bromomethane
 Concen: 57.766 ug/L
 RT: 1.839 min Scan# 155
 Delta R.T. -0.009 min
 Lab File: VU050435.D
 Acq: 24 Aug 2022 19:11

Tgt Ion: 94 Resp: 64605
 Ion Ratio Lower Upper
 94 100
 96 92.9 63.3 117.5

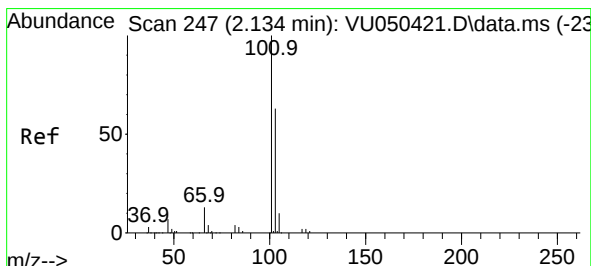
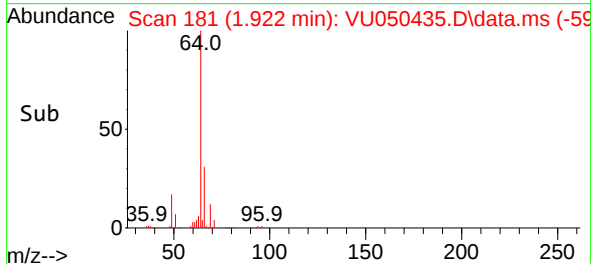
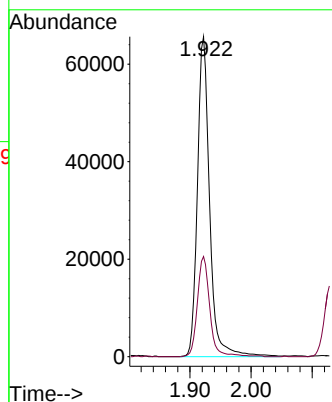
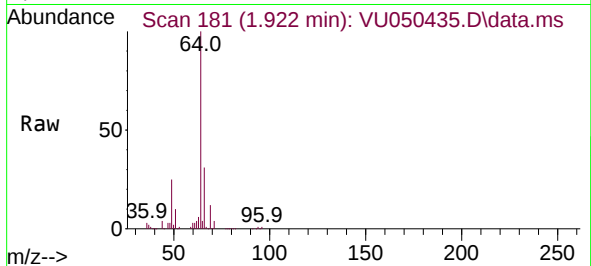




#8
Chloroethane
Concen: 49.524 ug/L
RT: 1.922 min Scan# 181
Delta R.T. -0.006 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

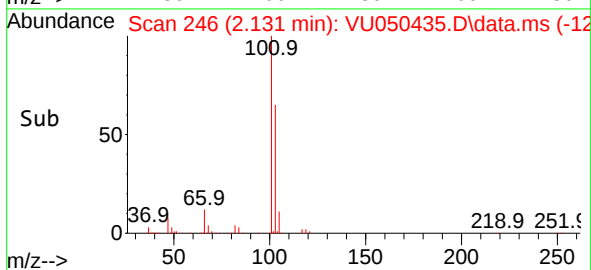
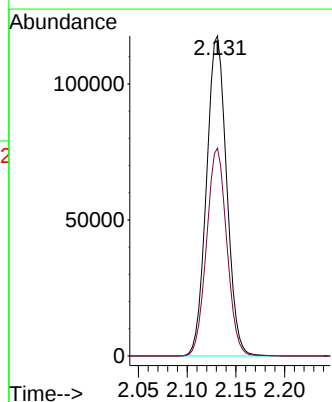
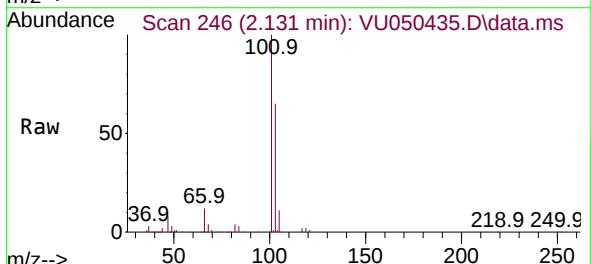
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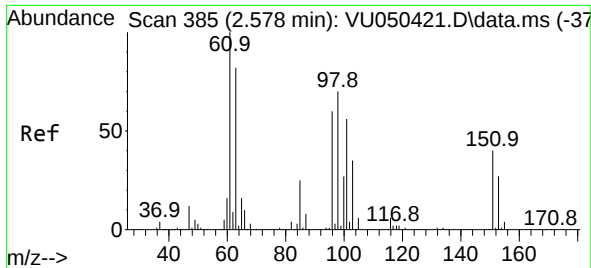
Tgt Ion: 64 Resp: 91001
Ion Ratio Lower Upper
64 100
66 31.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 43.885 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.003 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

Tgt Ion: 101 Resp: 168875
Ion Ratio Lower Upper
101 100
103 65.2 51.1 76.7

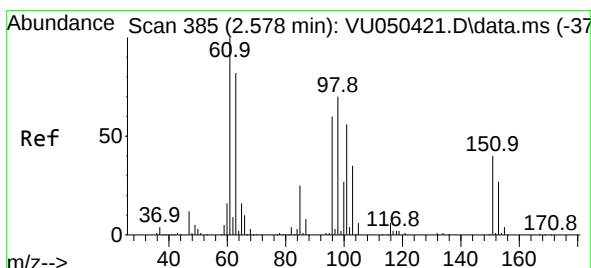
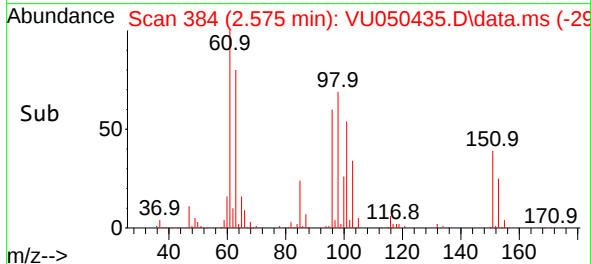
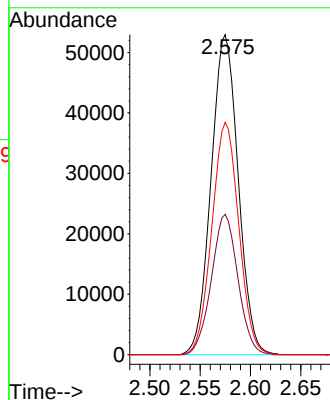
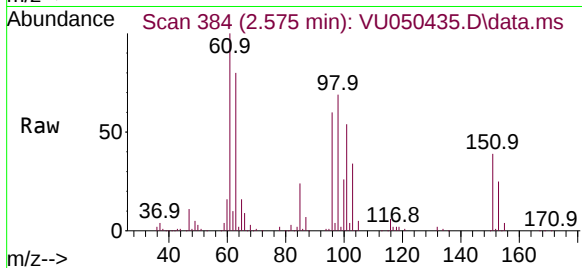




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.179 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU050435.D
 Acq: 24 Aug 2022 19:11

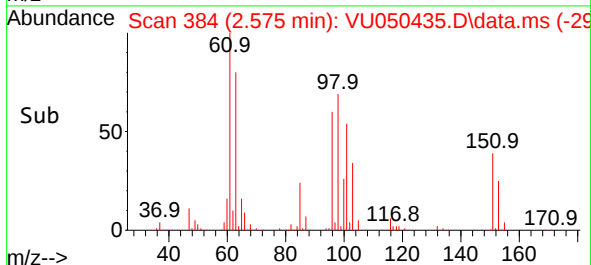
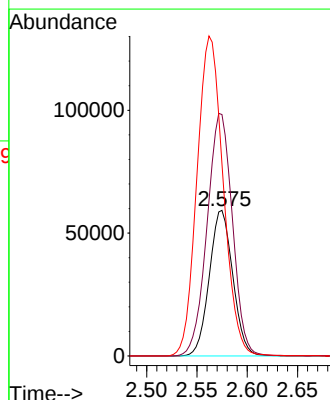
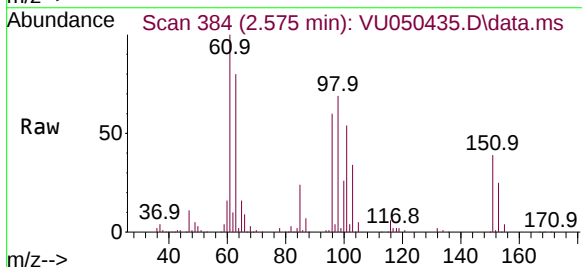
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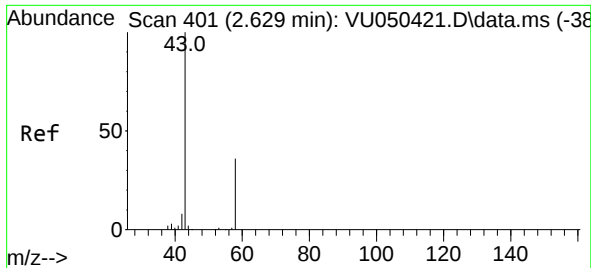
Tgt Ion:101 Resp: 99512
 Ion Ratio Lower Upper
 101 100
 85 42.9 35.3 52.9
 151 72.1 57.3 85.9



#12
 1,1-Dichloroethene
 Concen: 46.194 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU050435.D
 Acq: 24 Aug 2022 19:11

Tgt Ion: 96 Resp: 96348
 Ion Ratio Lower Upper
 96 100
 61 165.8 116.8 216.8
 63 132.1 97.4 180.8





#13

Acetone

Concen: 84.651 ug/L

RT: 2.626 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU050435.D

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Instrument :

MSVOA_U

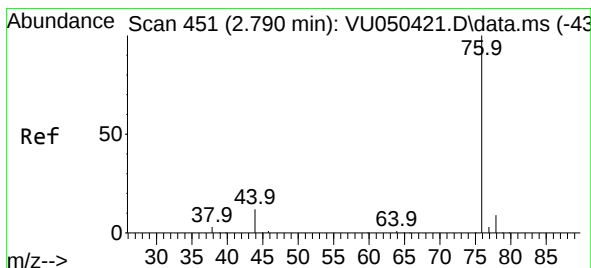
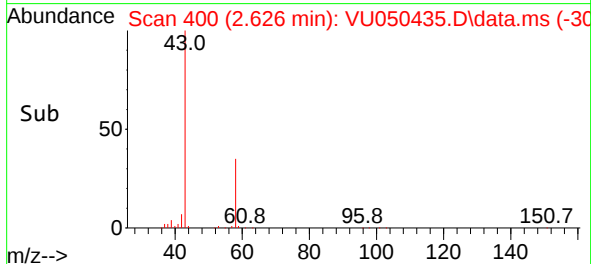
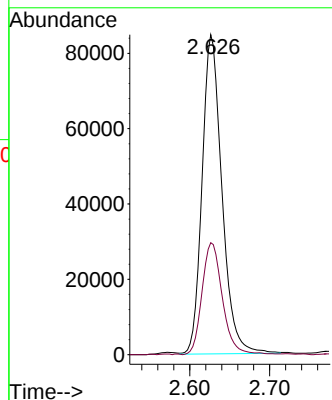
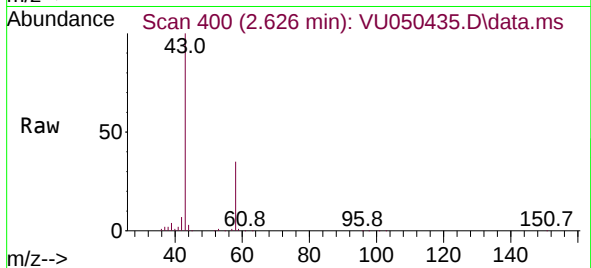
ClientSampleId :

Tgt Ion: 43 Resp: 146462

Ion Ratio Lower Upper

43 100

58 35.8 0.0 72.2



#14

Carbon disulfide

Concen: 44.809 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU050435.D

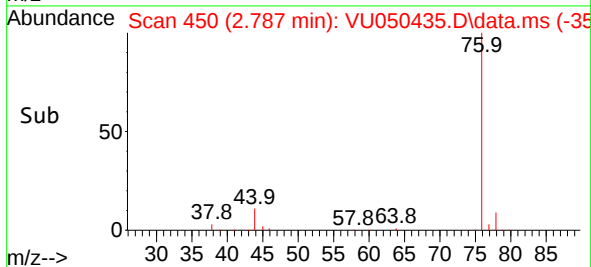
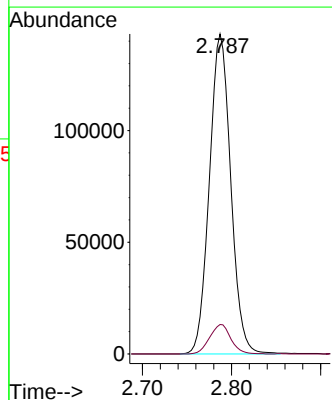
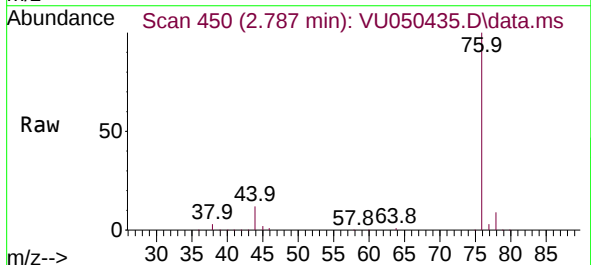
Acq: 24 Aug 2022 19:11

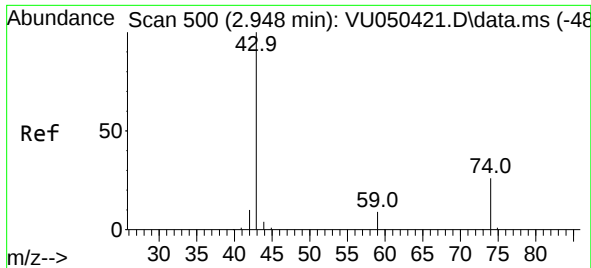
Tgt Ion: 76 Resp: 238490

Ion Ratio Lower Upper

76 100

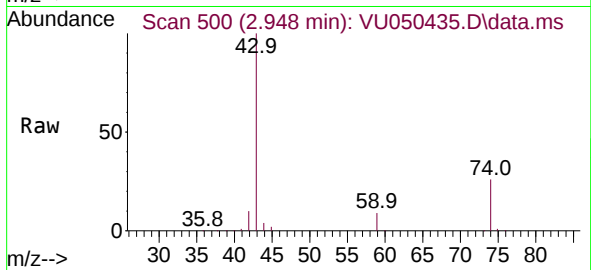
78 9.2 7.3 10.9



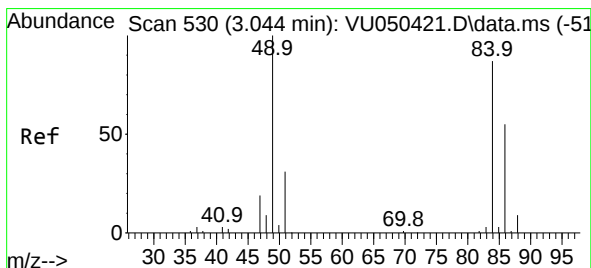
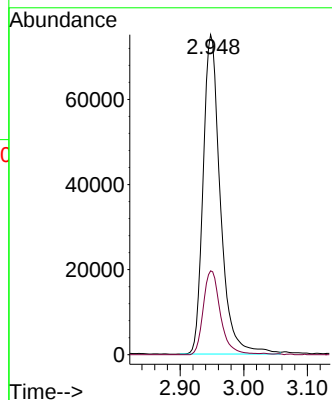
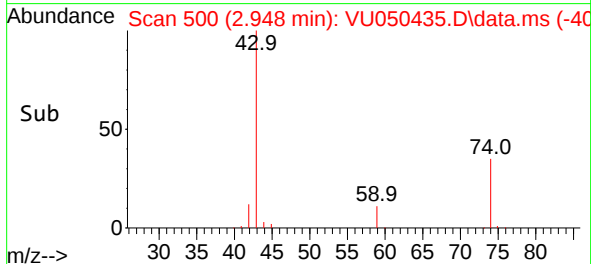


#15
Methyl Acetate
Concen: 45.412 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

Instrument :
MSVOA_U
ClientSampleId :

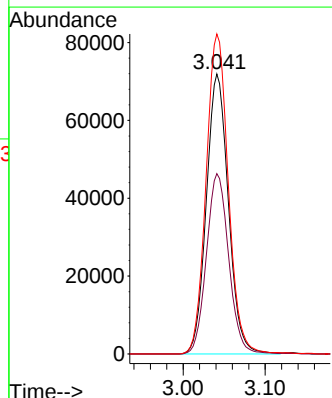
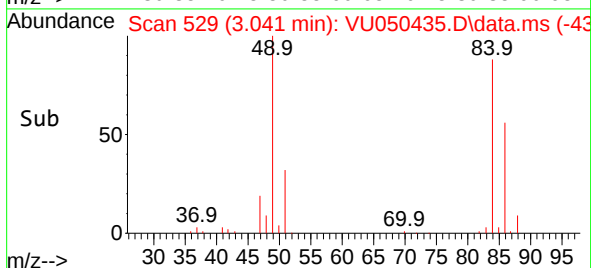
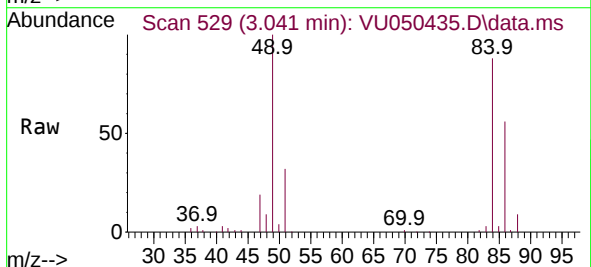


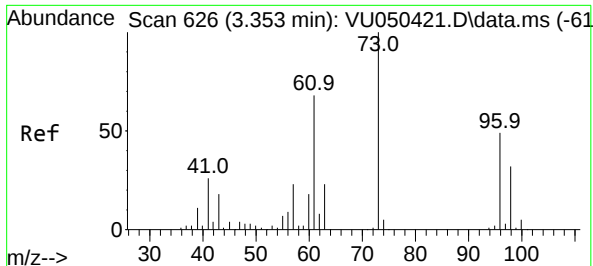
Tgt Ion: 43 Resp: 141362
Ion Ratio Lower Upper
43 100
74 26.1 21.2 31.8



#16
Methylene chloride
Concen: 46.215 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

Tgt Ion: 84 Resp: 134337
Ion Ratio Lower Upper
84 100
86 64.4 43.9 81.5
49 114.3 80.4 149.4





#17

trans-1,2-Dichloroethene

Concen: 47.786 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

Instrument :

MSVOA_U

ClientSampleId :

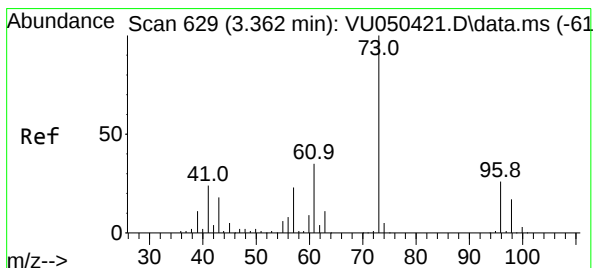
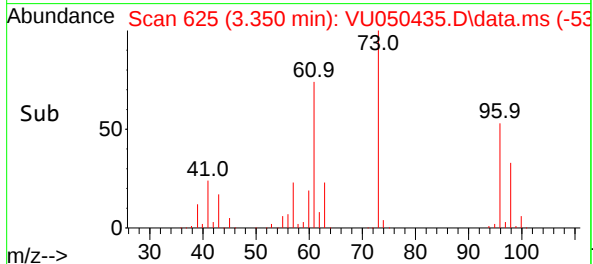
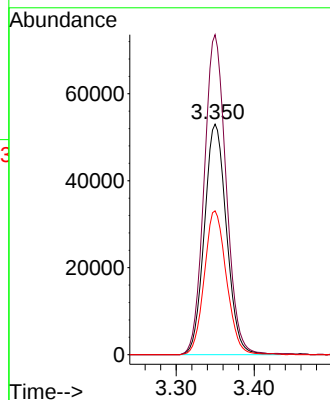
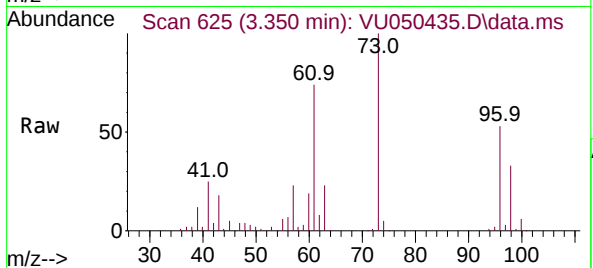
Tgt Ion: 96 Resp: 104773

Ion Ratio Lower Upper

96 100

61 138.8 98.5 182.9

98 62.4 45.7 84.9



#18

Methyl tert-butyl Ether

Concen: 52.935 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.003 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

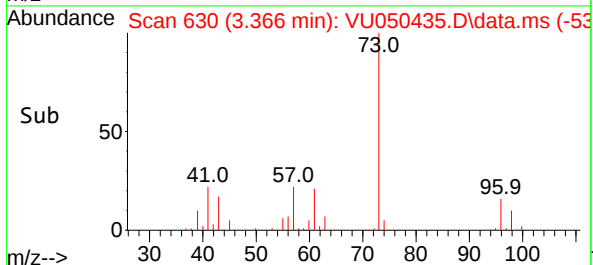
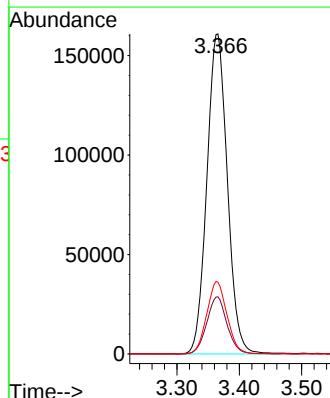
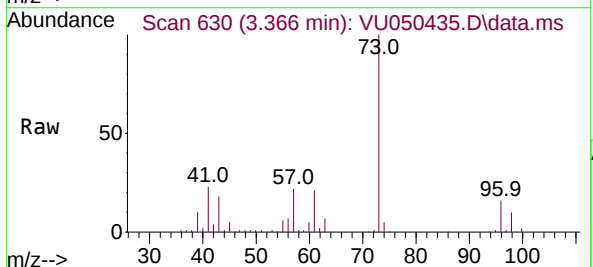
Tgt Ion: 73 Resp: 367346

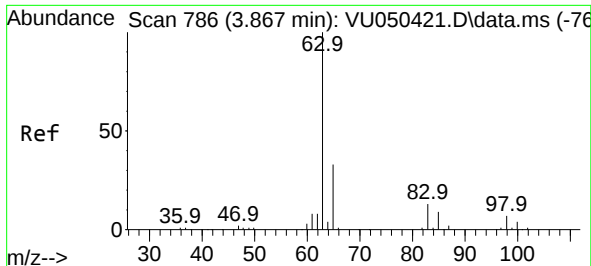
Ion Ratio Lower Upper

73 100

43 17.5 14.4 21.6

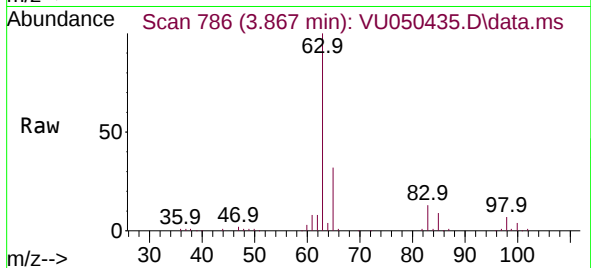
57 22.4 17.8 26.8



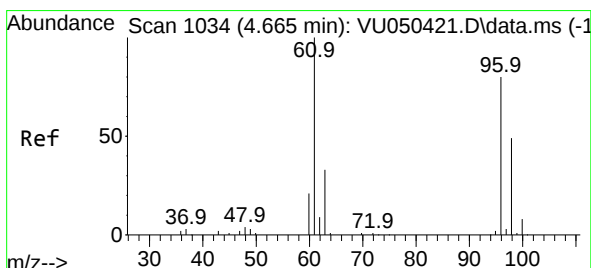
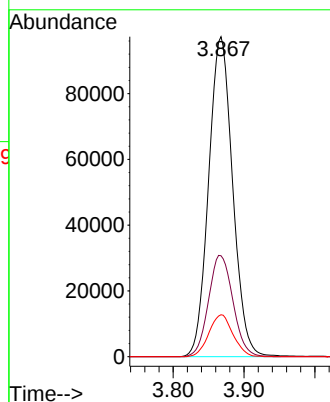
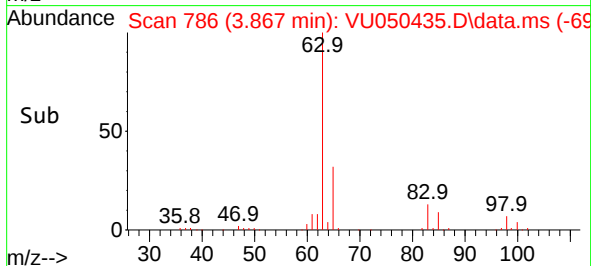


#19
1,1-Dichloroethane
Concen: 48.182 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

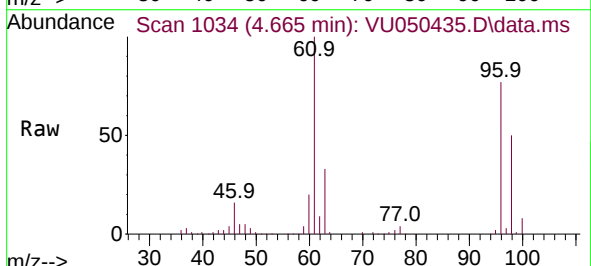
Instrument :
MSVOA_U
ClientSampleId :



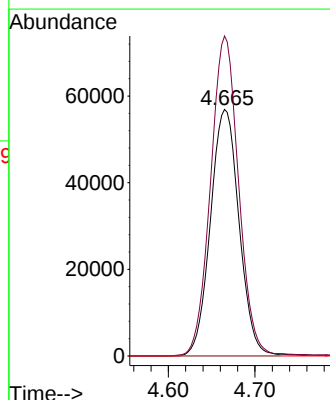
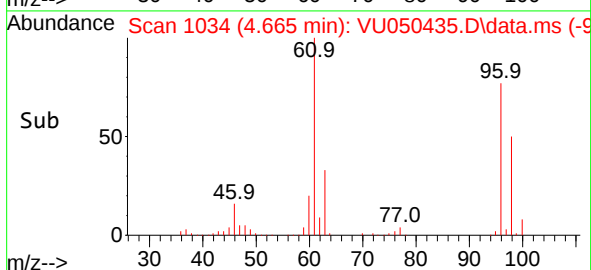
Tgt Ion: 63 Resp: 228870
Ion Ratio Lower Upper
63 100
65 31.6 23.3 43.3
83 13.1 9.0 16.8

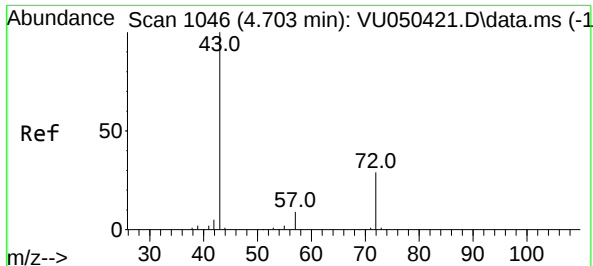


#20
cis-1,2-Dichloroethene
Concen: 49.736 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11



Tgt Ion: 96 Resp: 130588
Ion Ratio Lower Upper
96 100
61 129.8 88.1 163.5
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.414 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

Instrument :

MSVOA_U

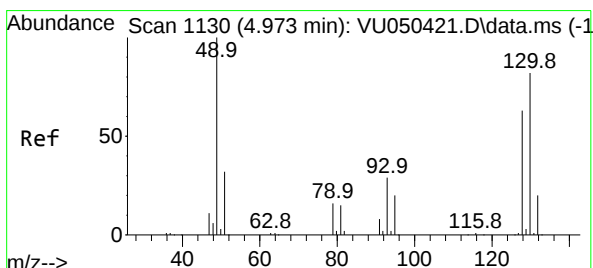
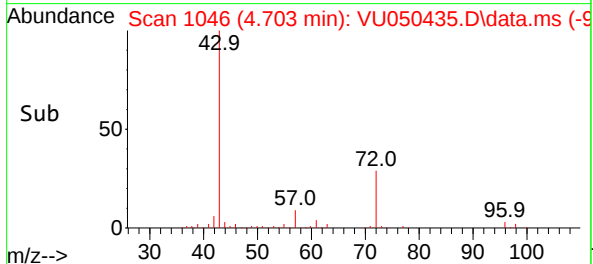
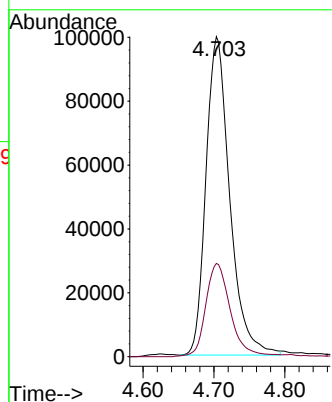
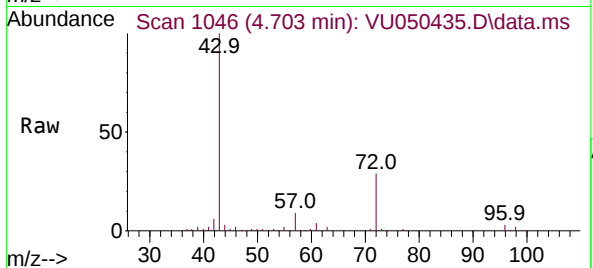
ClientSampleId :

Tgt Ion: 43 Resp: 233111

Ion Ratio Lower Upper

43 100

72 30.4 15.0 45.0



#23

Bromochloromethane

Concen: 49.022 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

Tgt Ion:128 Resp: 70299

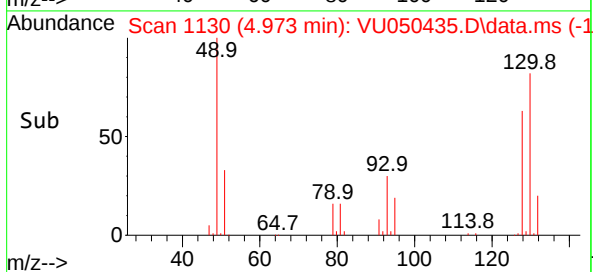
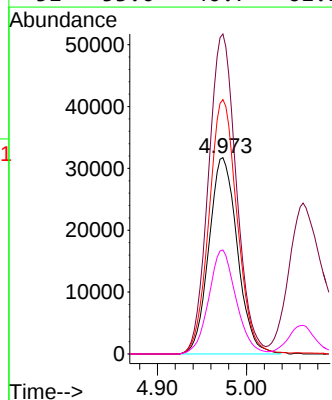
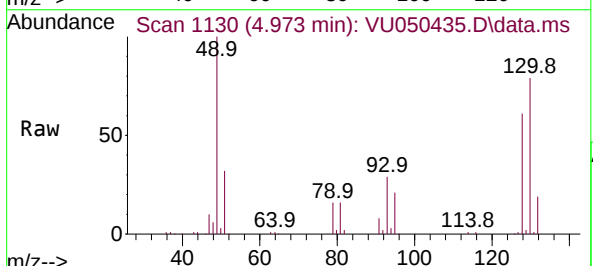
Ion Ratio Lower Upper

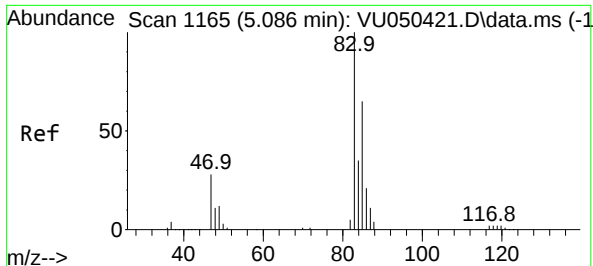
128 100

49 163.1 111.2 206.4

130 129.6 91.1 169.1

51 53.0 40.7 61.1





#25

Chloroform

Concen: 47.633 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

Instrument :

MSVOA_U

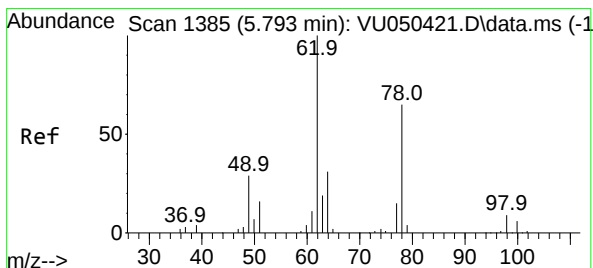
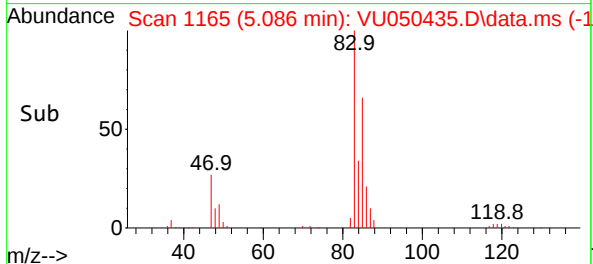
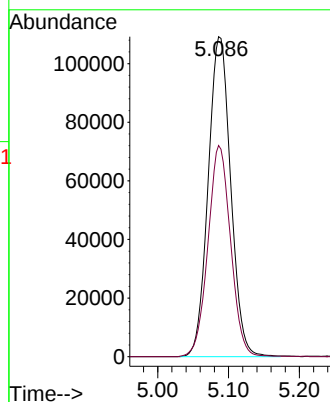
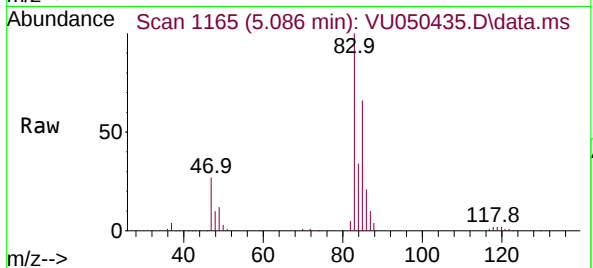
ClientSampleId :

Tgt Ion: 83 Resp: 241047

Ion Ratio Lower Upper

83 100

85 66.0 45.7 84.9



#27

1,2-Dichloroethane

Concen: 48.571 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050435.D

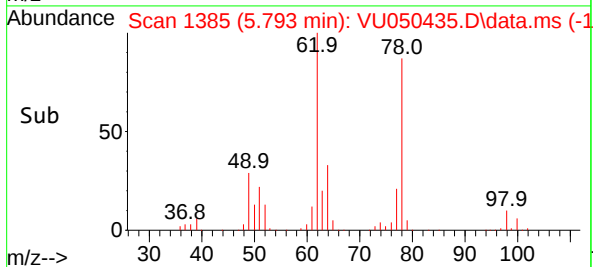
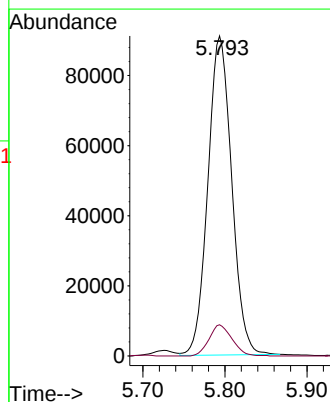
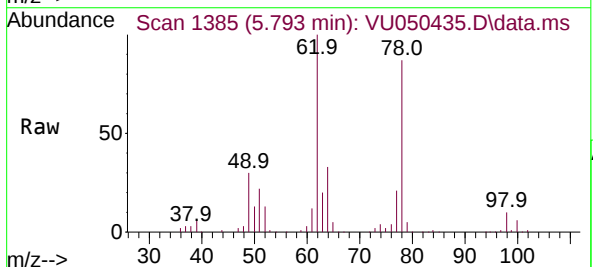
Acq: 24 Aug 2022 19:11

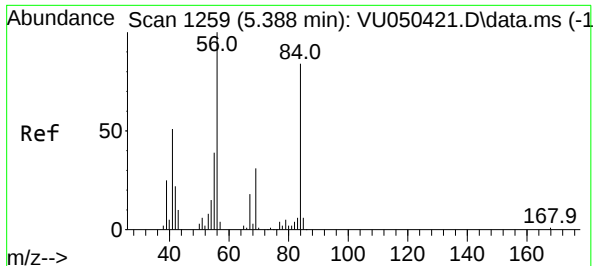
Tgt Ion: 62 Resp: 183352

Ion Ratio Lower Upper

62 100

98 9.8 7.3 10.9





#29

Cyclohexane

Concen: 48.810 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

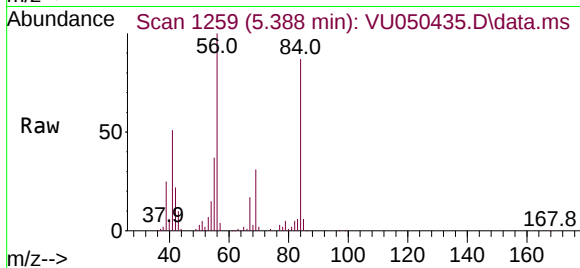
Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

Instrument :

MSVOA_U

ClientSampleId :



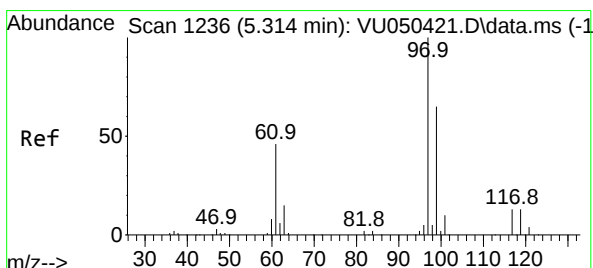
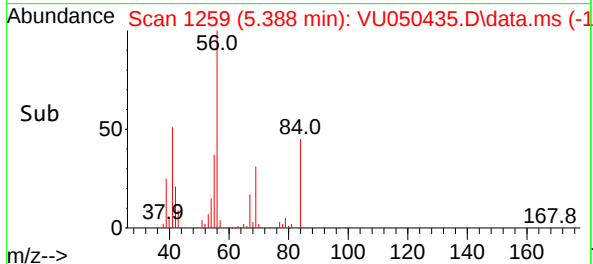
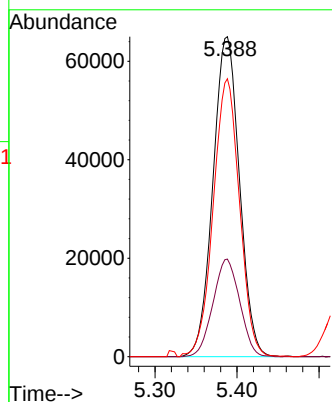
Tgt Ion: 56 Resp: 146303

Ion Ratio Lower Upper

56 100

69 30.7 24.6 36.8

84 85.5 68.8 103.2



#30

1,1,1-Trichloroethane

Concen: 48.614 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

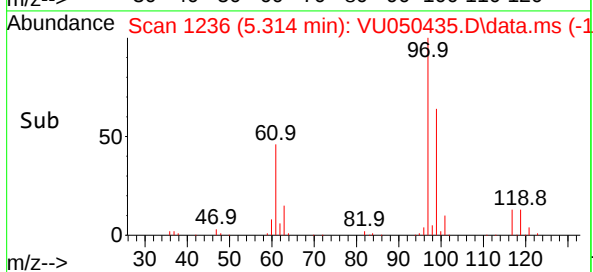
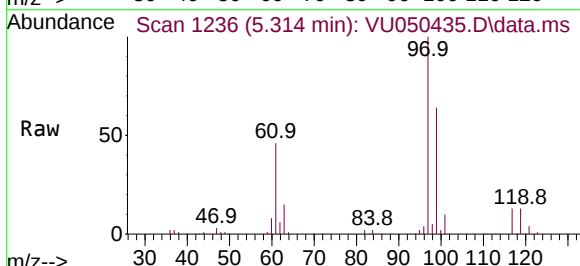
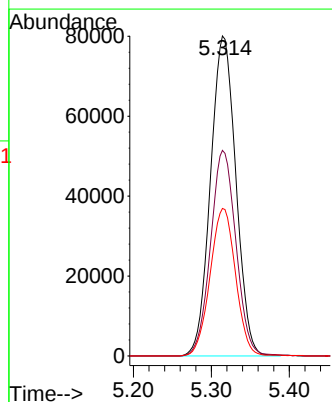
Tgt Ion: 97 Resp: 181232

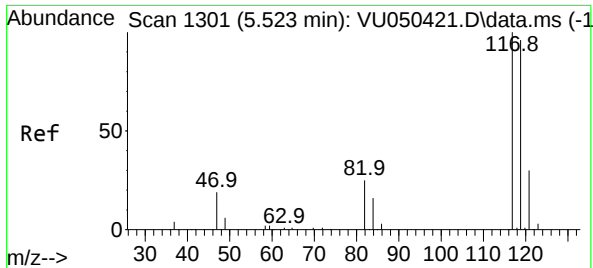
Ion Ratio Lower Upper

97 100

99 64.4 51.2 76.8

61 46.2 36.6 55.0

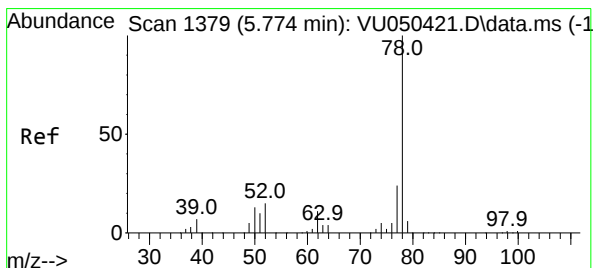
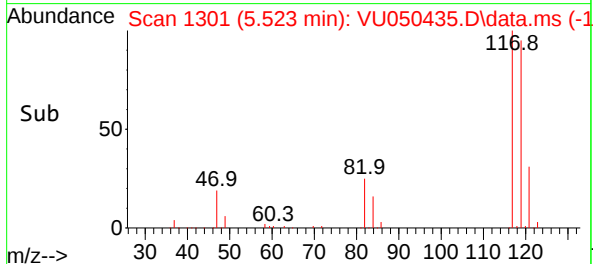
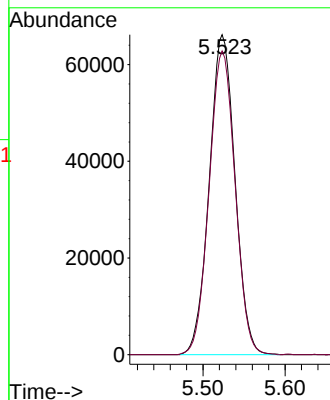
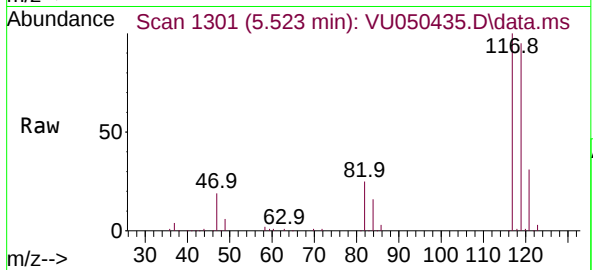




#31
Carbon tetrachloride
Concen: 47.164 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

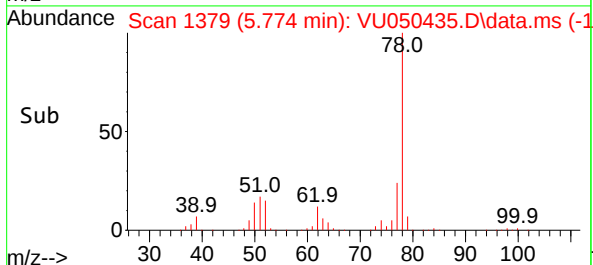
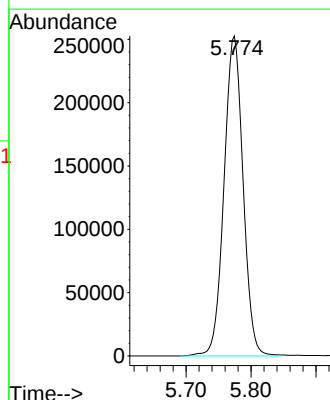
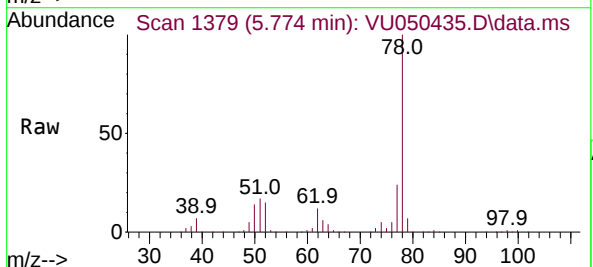
Instrument :
MSVOA_U
ClientSampleId :

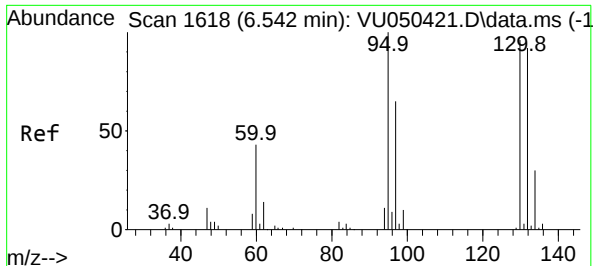
Tgt Ion:117 Resp: 144289
Ion Ratio Lower Upper
117 100
119 95.7 76.9 115.3



#33
Benzene
Concen: 52.053 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

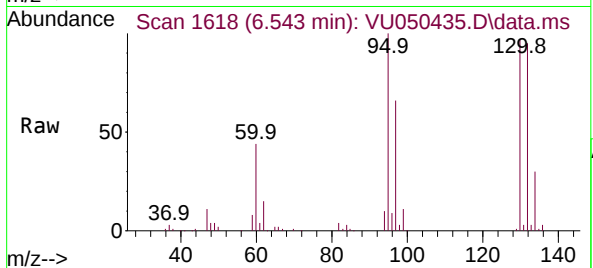
Tgt Ion: 78 Resp: 513522



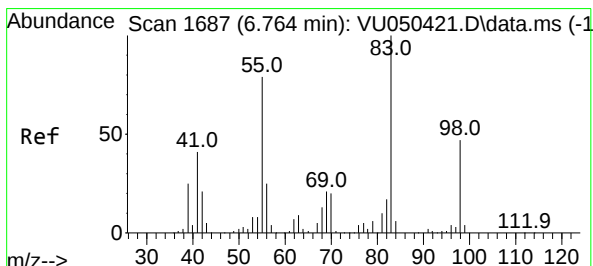
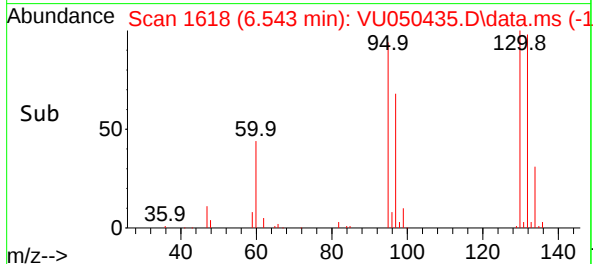
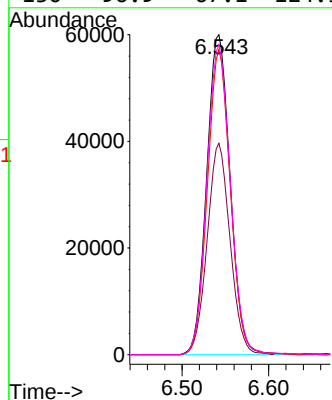


#34
Trichloroethene
Concen: 48.421 ug/L
RT: 6.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

Instrument :
MSVOA_U
ClientSampleId :

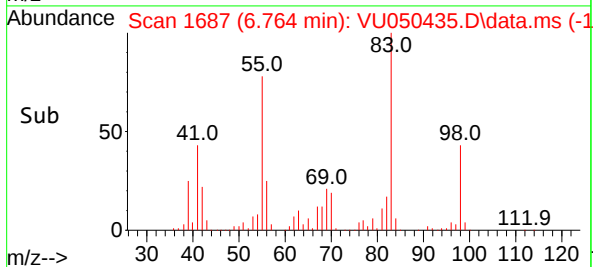
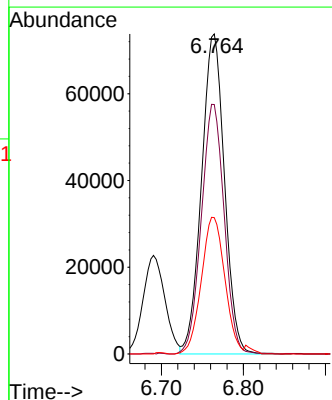
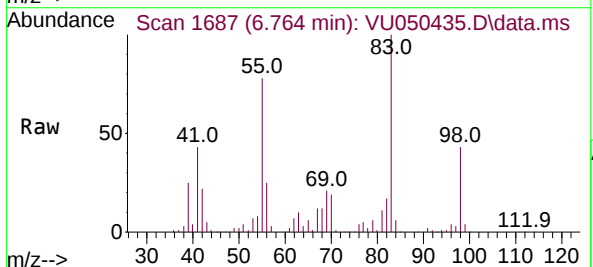


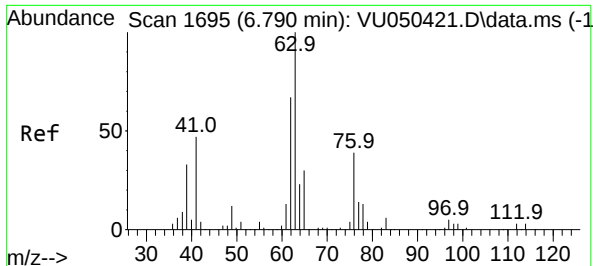
Tgt Ion: 95 Resp: 113074
Ion Ratio Lower Upper
95 100
97 66.0 45.2 84.0
132 95.4 64.4 119.6
130 96.9 67.1 124.5



#35
Methylcyclohexane
Concen: 43.971 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

Tgt Ion: 83 Resp: 143582
Ion Ratio Lower Upper
83 100
55 77.3 61.9 92.9
98 43.6 35.8 53.8





#37

1,2-Dichloropropane

Concen: 51.073 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

Instrument :

MSVOA_U

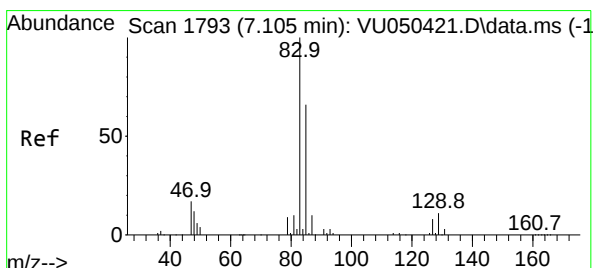
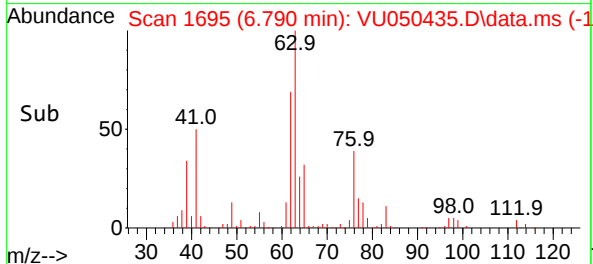
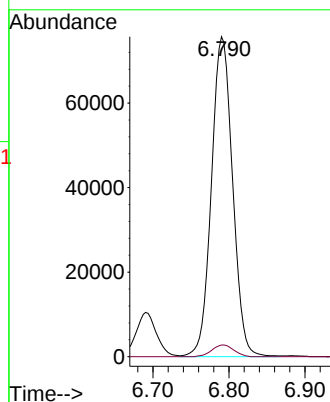
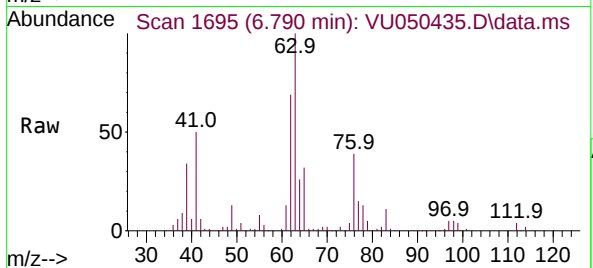
ClientSampleId :

Tgt Ion: 63 Resp: 146358

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.4



#38

Bromodichloromethane

Concen: 49.804 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

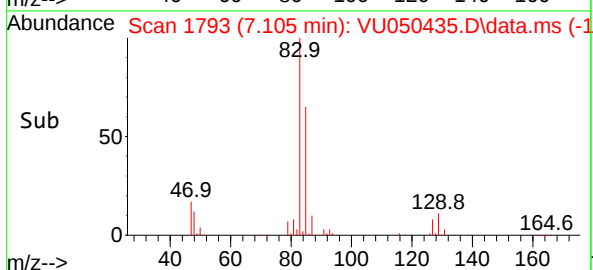
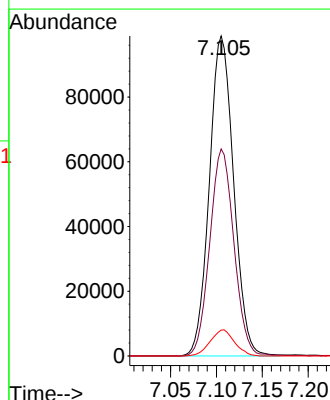
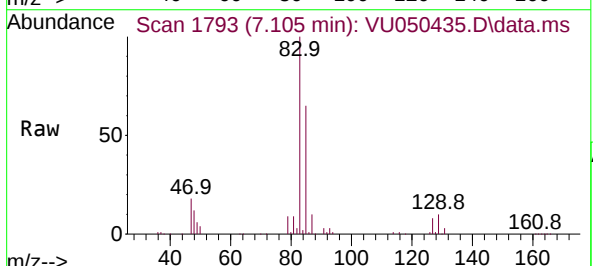
Tgt Ion: 83 Resp: 182085

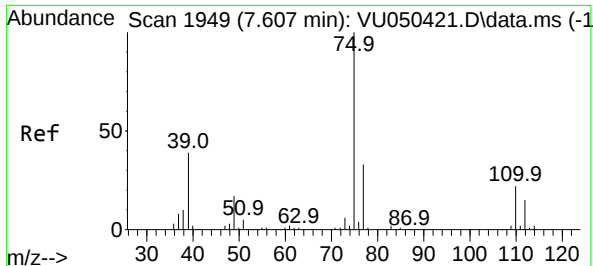
Ion Ratio Lower Upper

83 100

85 64.7 46.2 85.8

127 8.1 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 50.237 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

Instrument :

MSVOA_U

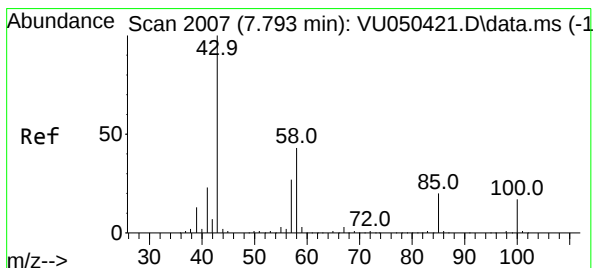
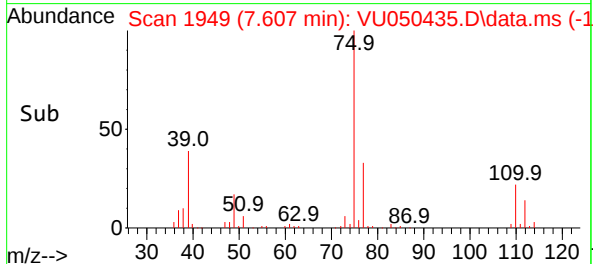
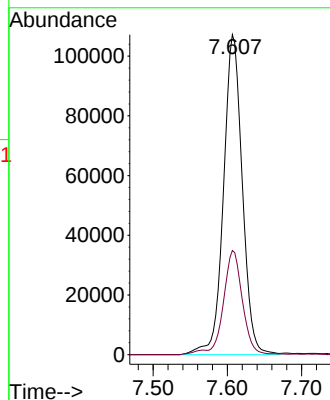
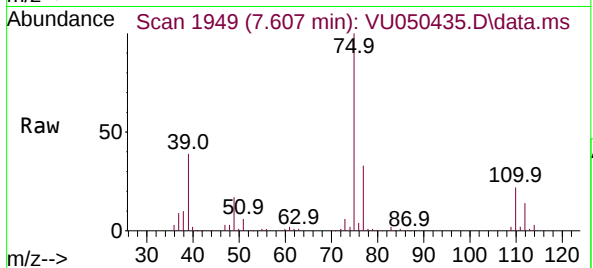
ClientSampleId :

Tgt Ion: 75 Resp: 189049

Ion Ratio Lower Upper

75 100

77 32.5 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 114.006 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

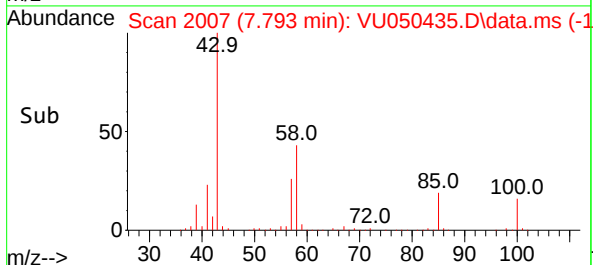
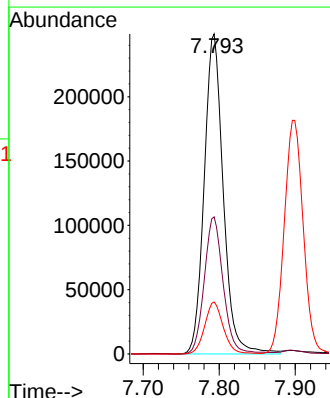
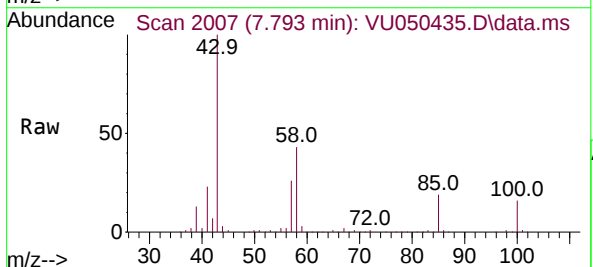
Tgt Ion: 43 Resp: 434148

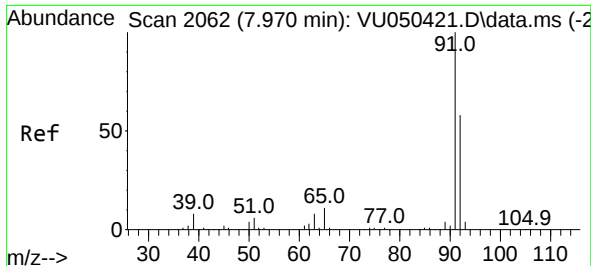
Ion Ratio Lower Upper

43 100

58 42.3 34.0 51.0

100 15.9 13.0 19.4





#42

Toluene

Concen: 52.374 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

Instrument :

MSVOA_U

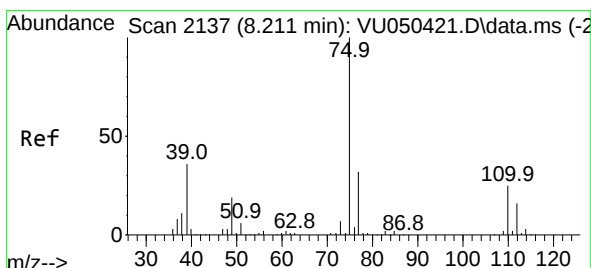
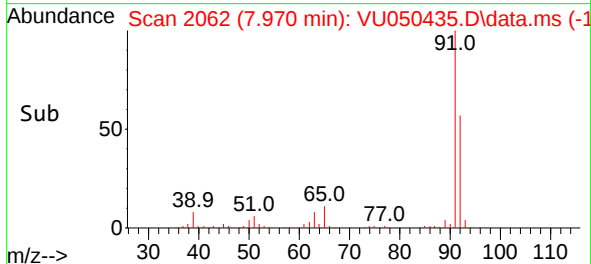
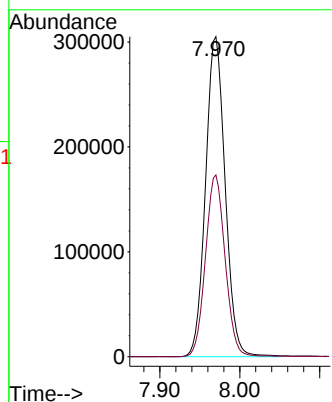
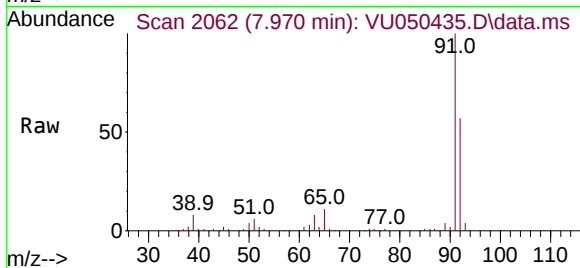
ClientSampleId :

Tgt Ion: 91 Resp: 520574

Ion Ratio Lower Upper

91 100

92 56.8 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 50.969 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050435.D

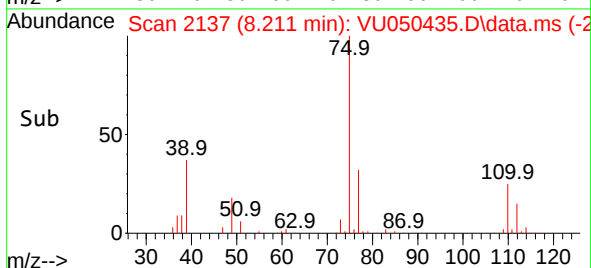
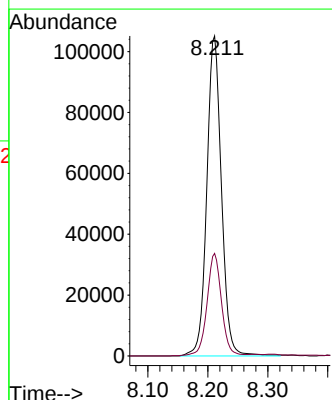
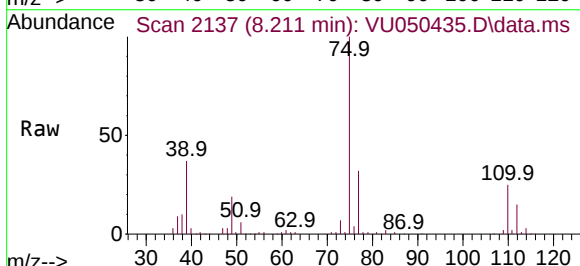
Acq: 24 Aug 2022 19:11

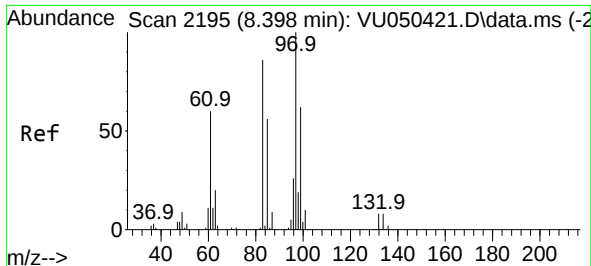
Tgt Ion: 75 Resp: 178782

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 50.613 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. 0.003 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 142716

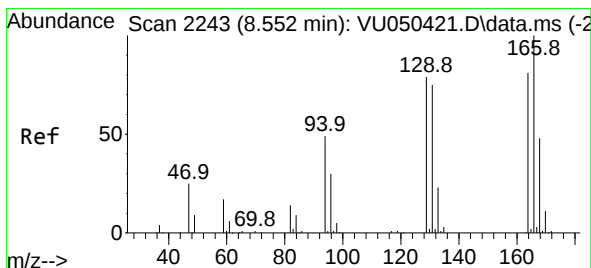
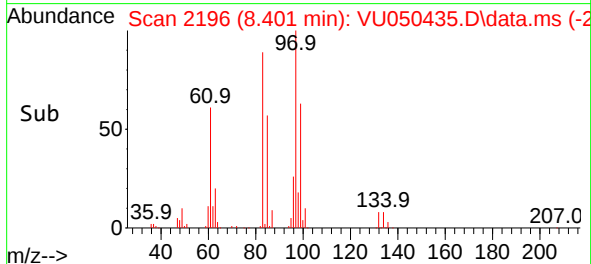
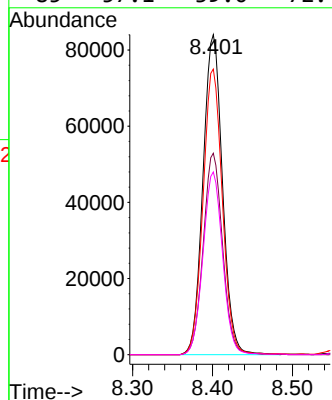
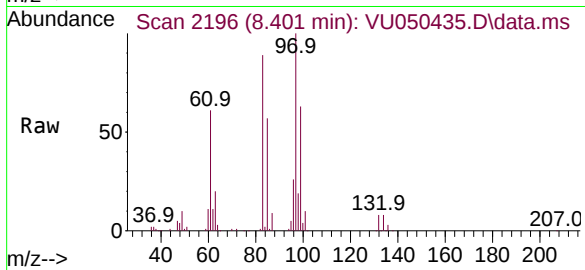
Ion Ratio Lower Upper

97 100

99 63.0 43.3 80.3

83 89.3 60.3 112.1

85 57.1 39.0 72.4



#46

Tetrachloroethene

Concen: 45.415 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

Tgt Ion: 164 Resp: 77892

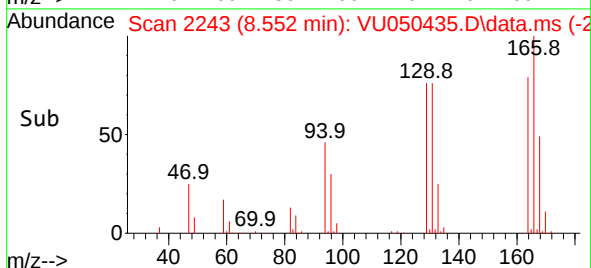
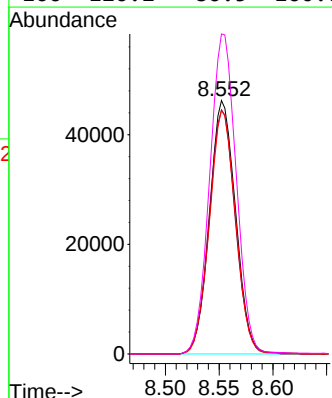
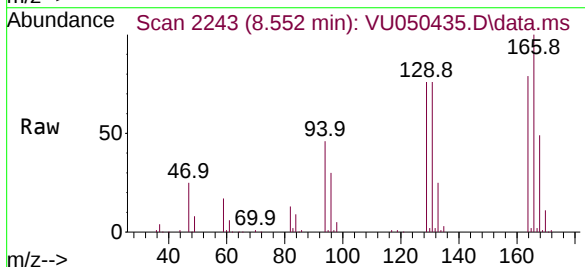
Ion Ratio Lower Upper

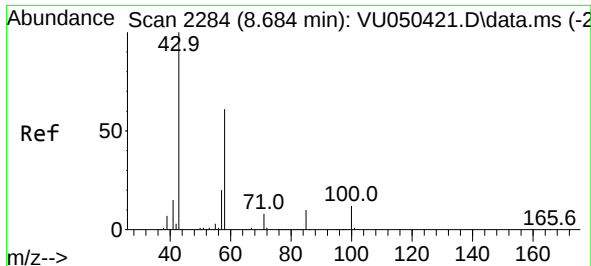
164 100

129 96.3 68.0 126.4

131 96.2 65.4 121.4

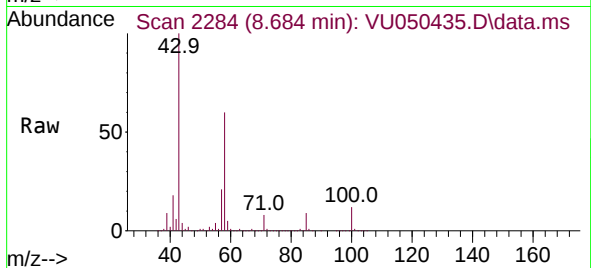
166 126.2 86.5 160.7



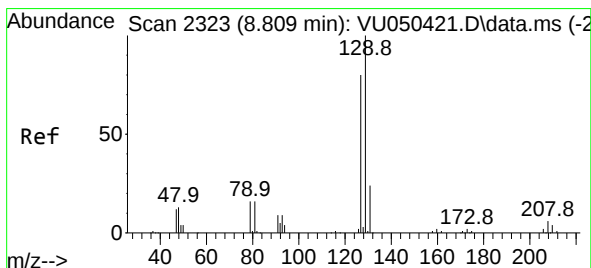
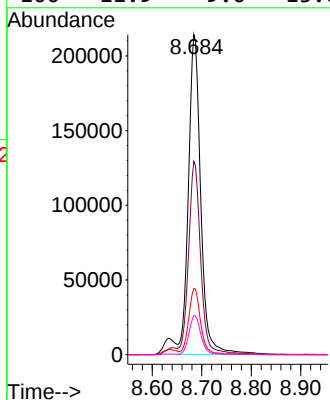
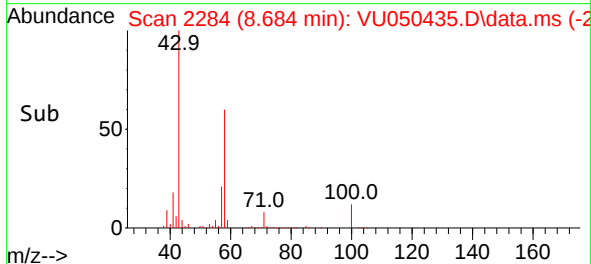


#48
2-Hexanone
Concen: 116.209 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

Instrument :
MSVOA_U
ClientSampleId :

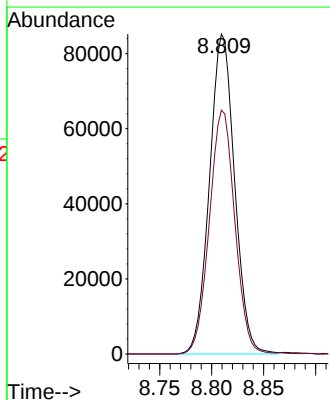
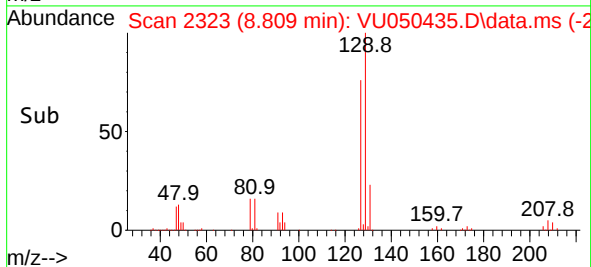
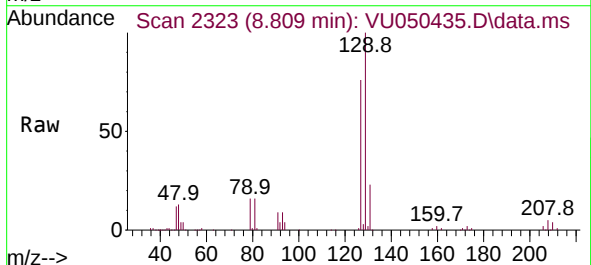


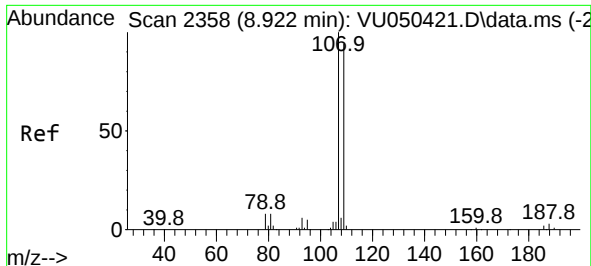
Tgt Ion: 43 Resp: 369570
Ion Ratio Lower Upper
43 100
58 57.7 47.9 71.9
57 18.9 15.4 23.0
100 11.9 9.0 13.6



#49
Dibromochloromethane
Concen: 49.152 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

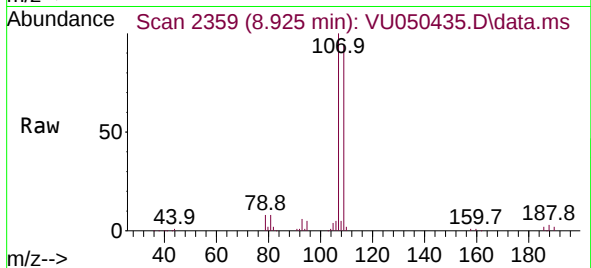
Tgt Ion: 129 Resp: 143567
Ion Ratio Lower Upper
129 100
127 76.2 55.9 103.7



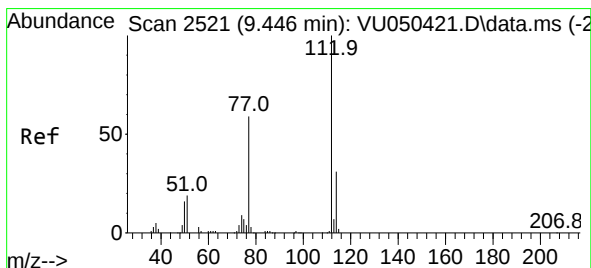
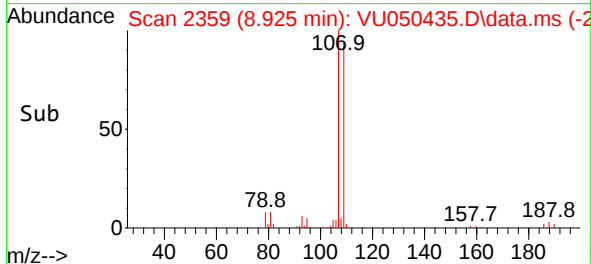
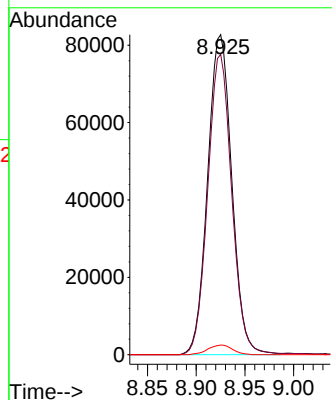


#50
1,2-Dibromoethane
Concen: 50.688 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

Instrument :
MSVOA_U
ClientSampleId :

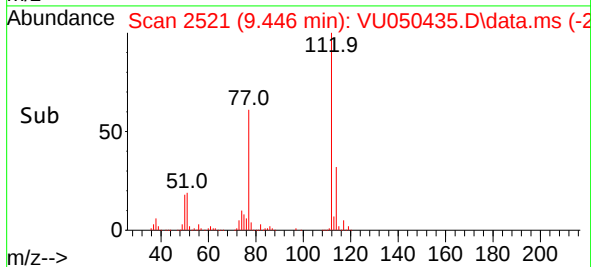
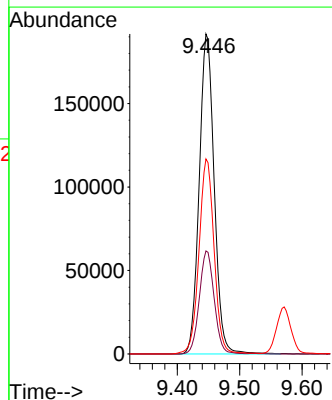
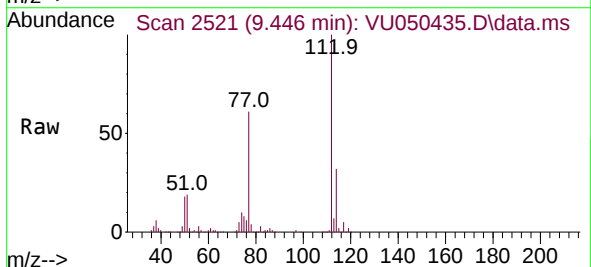


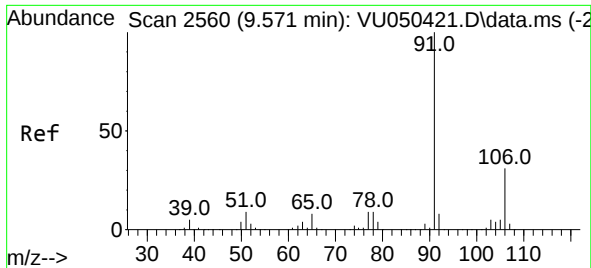
Tgt Ion:107 Resp: 142838
Ion Ratio Lower Upper
107 100
109 93.8 66.0 122.6
188 3.0 2.7 4.1



#51
Chlorobenzene
Concen: 49.131 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

Tgt Ion:112 Resp: 320474
Ion Ratio Lower Upper
112 100
114 32.2 21.8 40.6
77 60.9 47.6 71.4

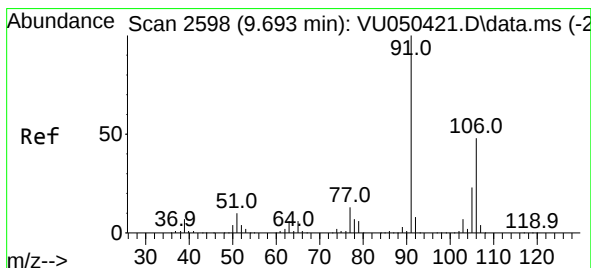
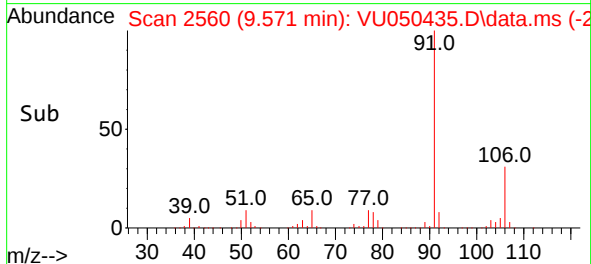
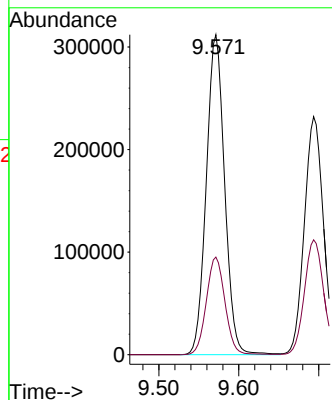
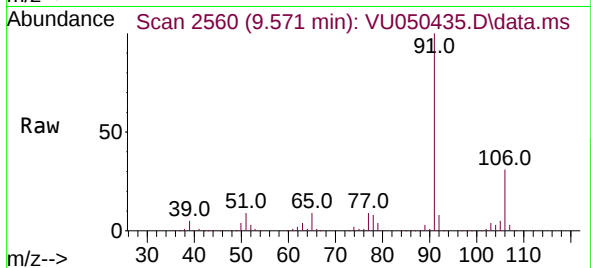




#52
Ethylbenzene
Concen: 49.684 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

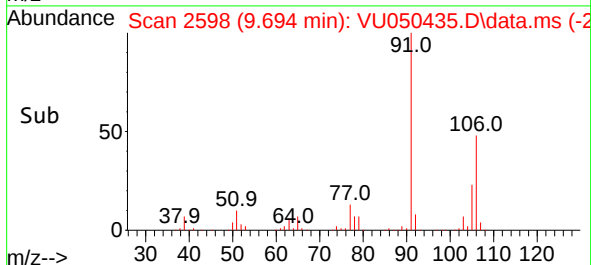
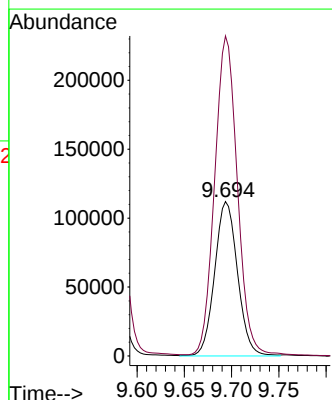
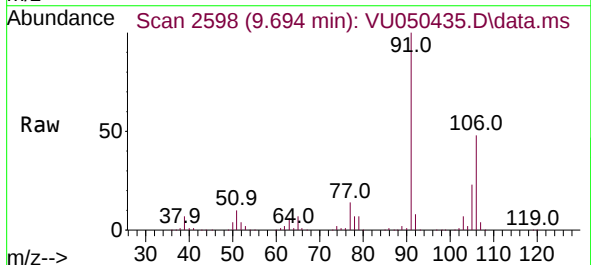
Instrument :
MSVOA_U
ClientSampleId :

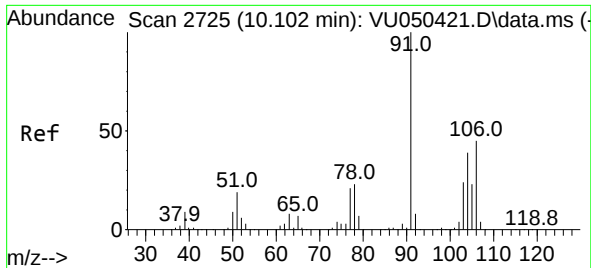
Tgt Ion: 91 Resp: 497728
Ion Ratio Lower Upper
91 100
106 30.5 21.7 40.3



#53
m,p-Xylene
Concen: 50.413 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

Tgt Ion: 106 Resp: 188603
Ion Ratio Lower Upper
106 100
91 207.3 145.9 270.9

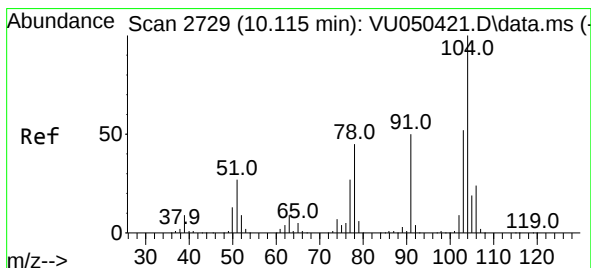
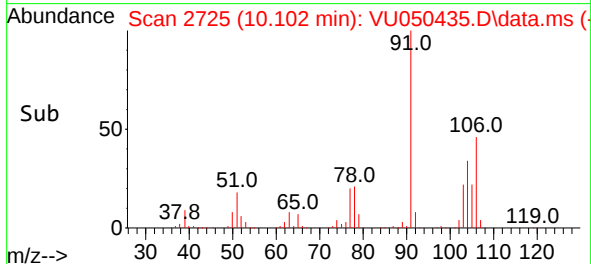
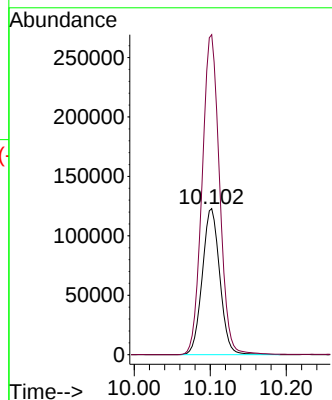
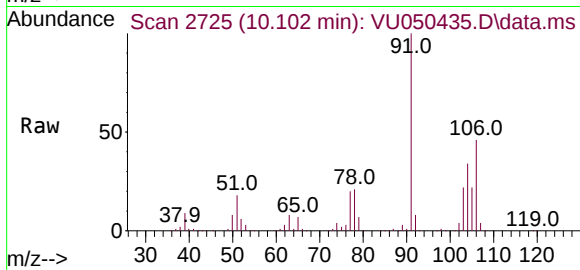




#54
o-Xylene
Concen: 52.895 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

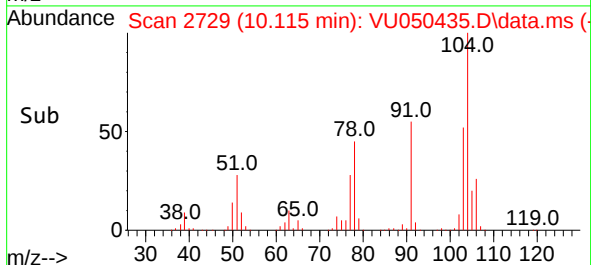
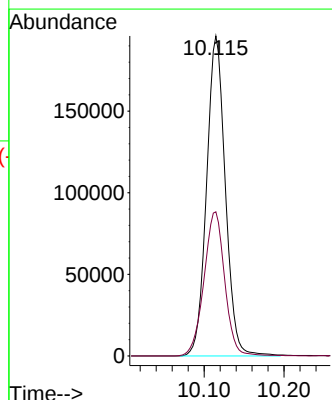
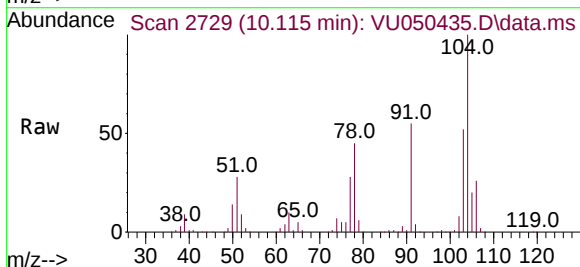
Instrument :
MSVOA_U
ClientSampleId :

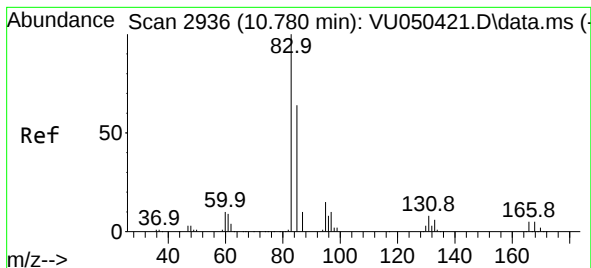
Tgt Ion:106 Resp: 196600
Ion Ratio Lower Upper
106 100
91 219.0 154.8 287.4



#55
Styrene
Concen: 50.640 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

Tgt Ion:104 Resp: 320269
Ion Ratio Lower Upper
104 100
78 45.1 31.6 58.8

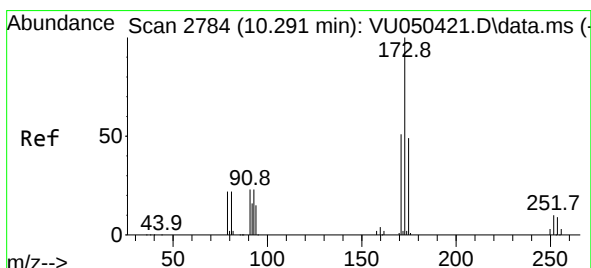
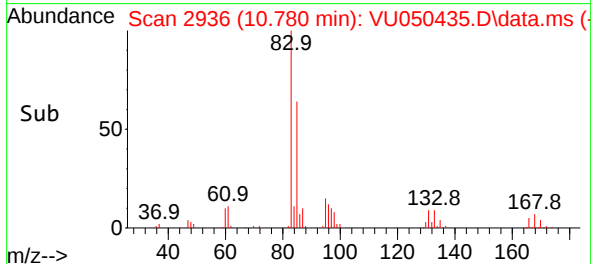
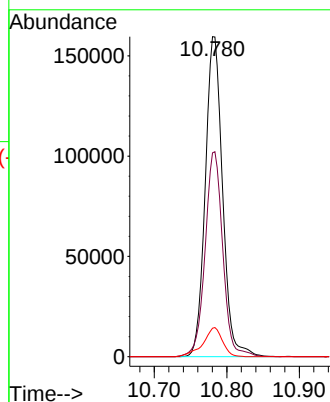
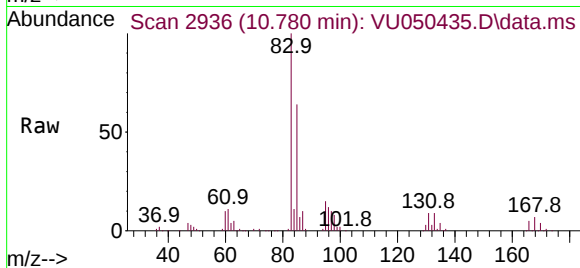




#57
 1,1,2,2-Tetrachloroethane
 Concen: 51.444 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. 0.000 min
 Lab File: VU050435.D
 Acq: 24 Aug 2022 19:11

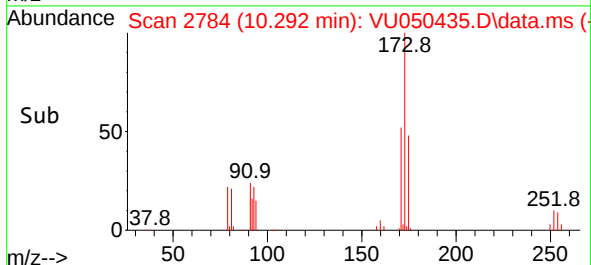
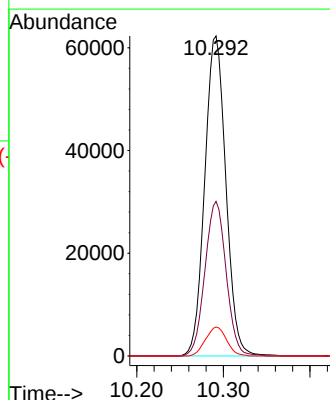
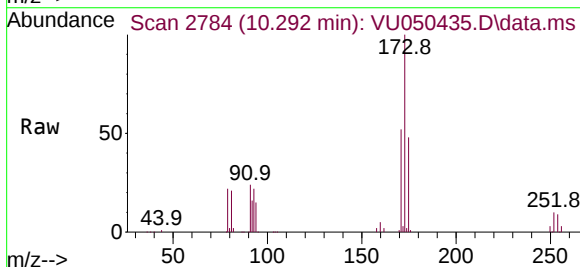
Instrument :
 MSVOA_U
 ClientSampleId :

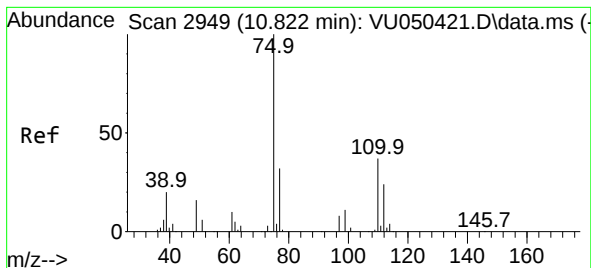
Tgt Ion: 83 Resp: 265059
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.4 84.2
 131 8.9 7.2 10.8



#59
 Bromoform
 Concen: 50.483 ug/L
 RT: 10.292 min Scan# 2784
 Delta R.T. 0.000 min
 Lab File: VU050435.D
 Acq: 24 Aug 2022 19:11

Tgt Ion:173 Resp: 105459
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.4 57.6
 254 9.0 7.1 10.7





#60

1,2,3-Trichloropropane

Concen: 53.279 ug/L

RT: 10.822 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

Instrument :

MSVOA_U

ClientSampleId :

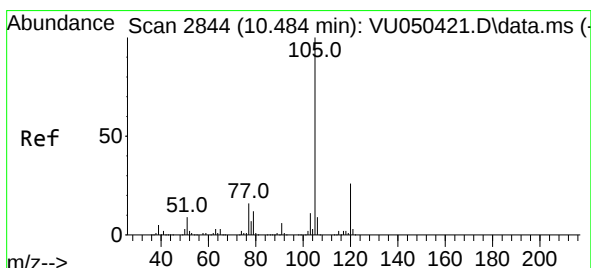
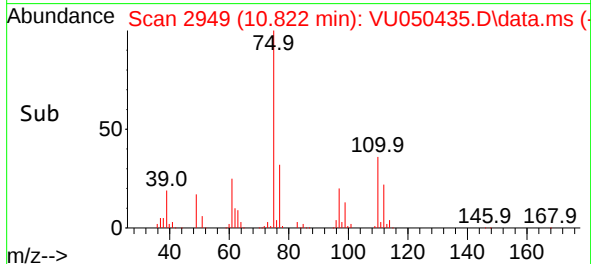
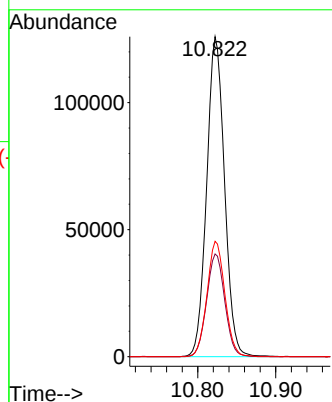
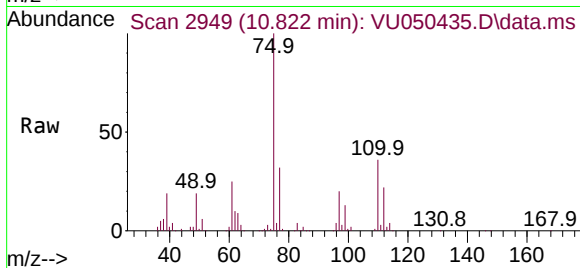
Tgt Ion: 75 Resp: 200286

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5

110 36.2 29.0 43.4



#61

Isopropylbenzene

Concen: 52.231 ug/L

RT: 10.484 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

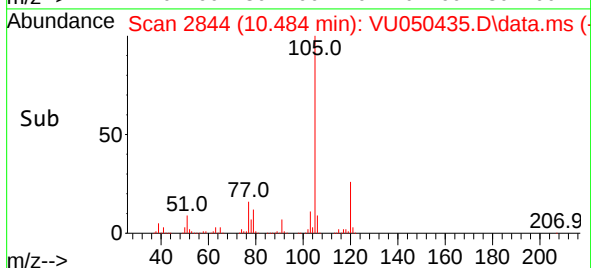
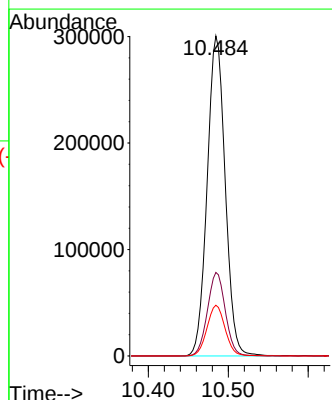
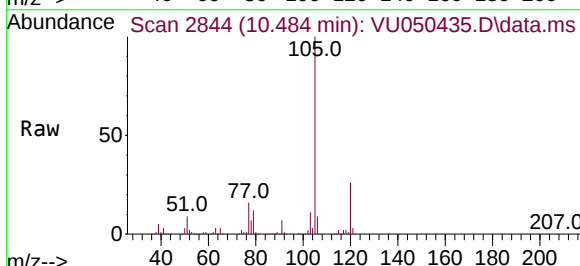
Tgt Ion: 105 Resp: 471278

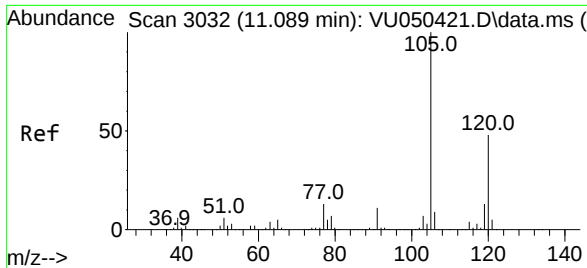
Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

77 16.0 12.5 18.7

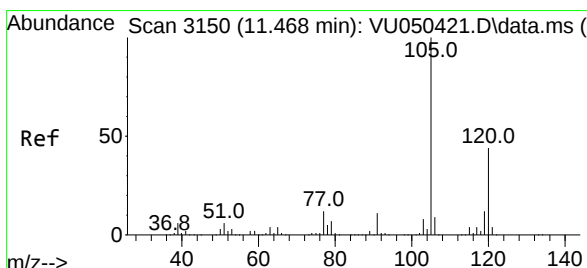
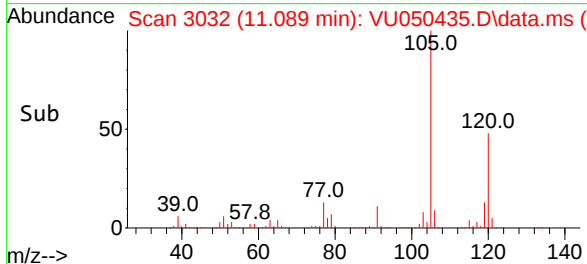
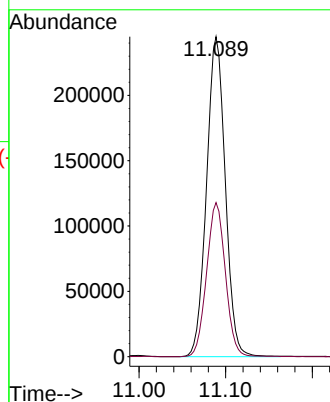
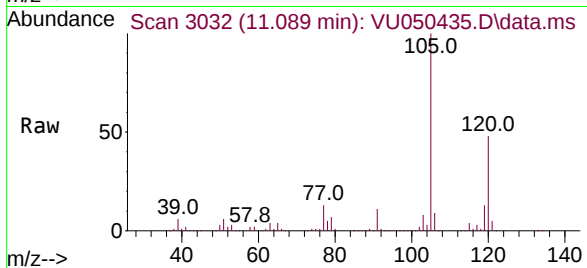




#62
 1,3,5-Trimethylbenzene
 Concen: 50.597 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU050435.D
 Acq: 24 Aug 2022 19:11

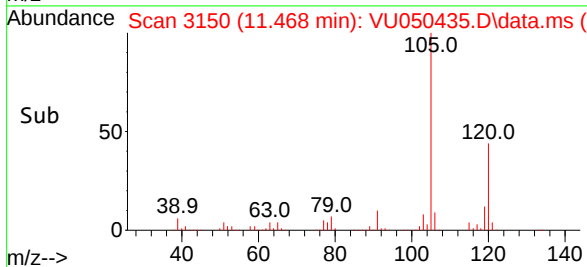
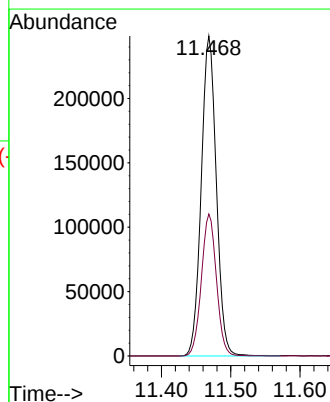
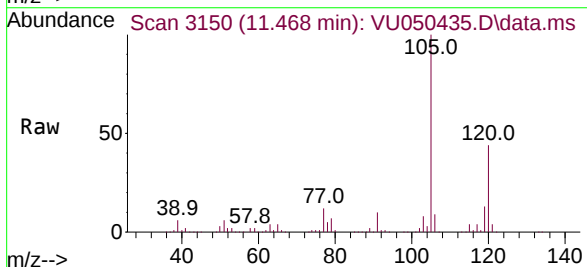
Instrument :
 MSVOA_U
 ClientSampleId :

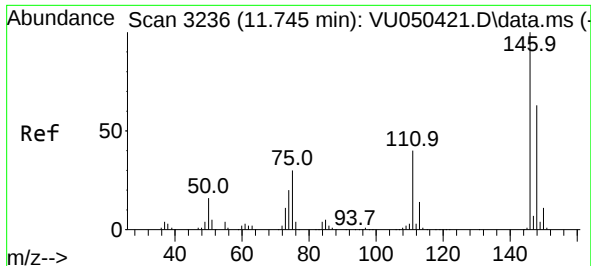
Tgt Ion:105 Resp: 368626
 Ion Ratio Lower Upper
 105 100
 120 48.3 38.1 57.1



#63
 1,2,4-Trimethylbenzene
 Concen: 52.829 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU050435.D
 Acq: 24 Aug 2022 19:11

Tgt Ion:105 Resp: 375394
 Ion Ratio Lower Upper
 105 100
 120 44.1 35.3 52.9

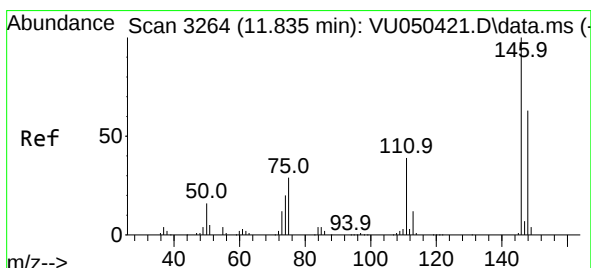
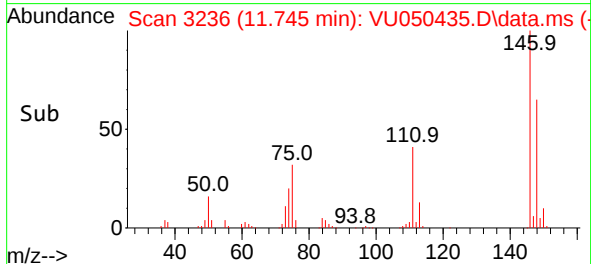
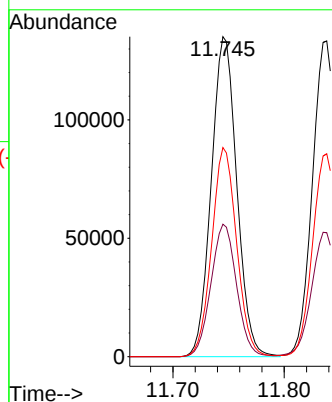
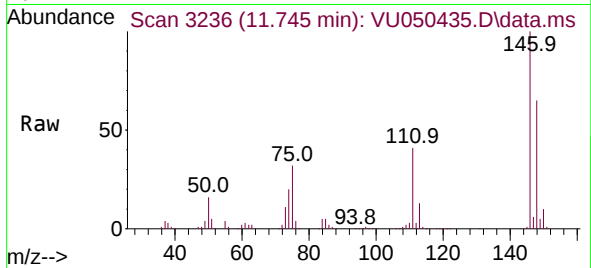




#64
1,3-Dichlorobenzene
Concen: 48.682 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

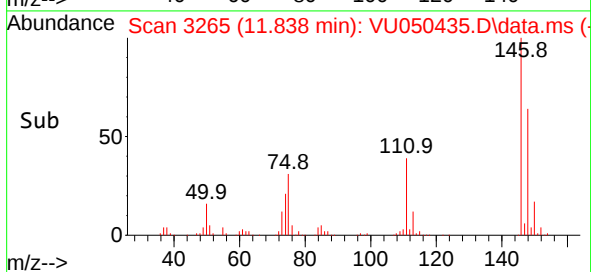
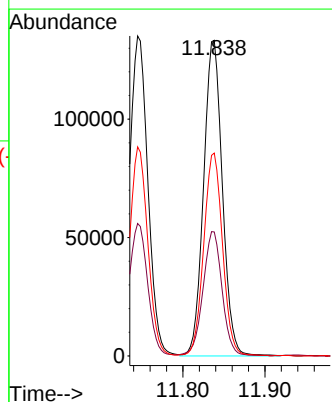
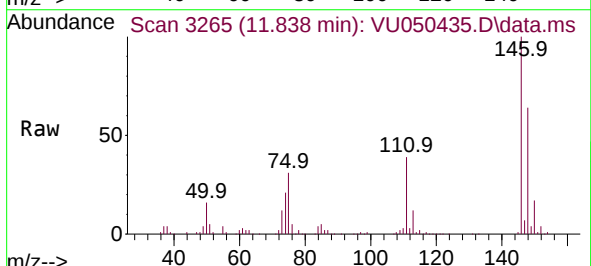
Instrument :
MSVOA_U
ClientSampleId :

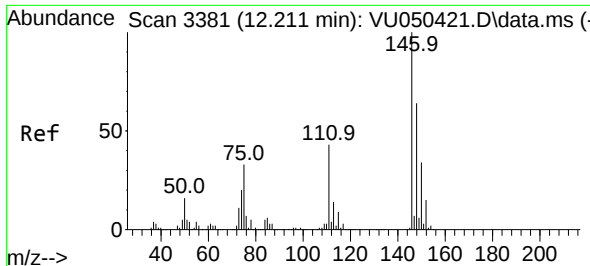
Tgt Ion:146 Resp: 214776
Ion Ratio Lower Upper
146 100
111 41.4 28.1 52.1
148 65.4 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 47.830 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

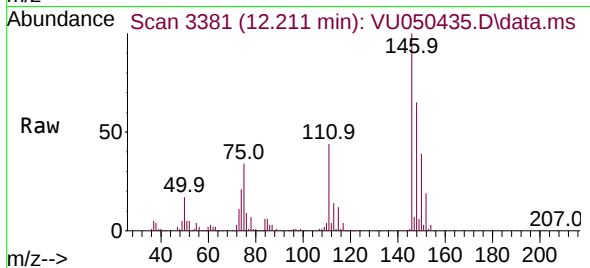
Tgt Ion:146 Resp: 212510
Ion Ratio Lower Upper
146 100
111 39.3 27.6 51.2
148 64.3 44.4 82.4



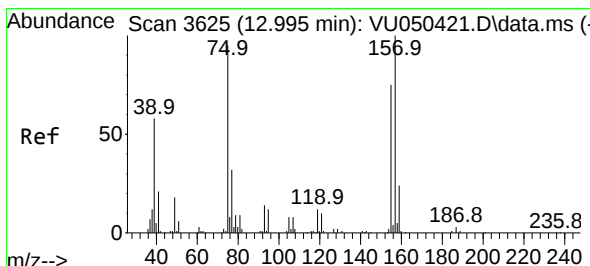
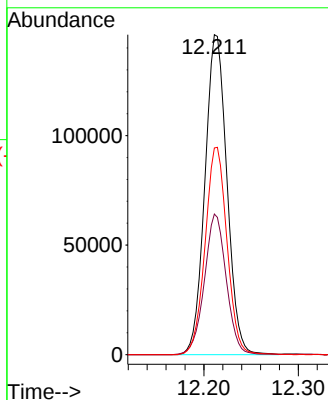
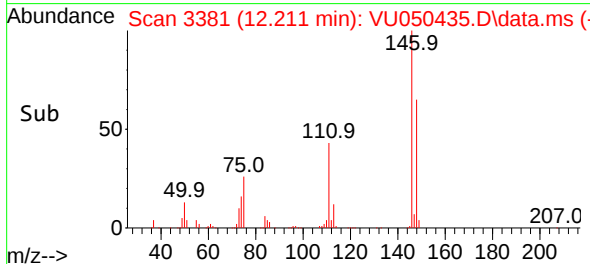


#67
1,2-Dichlorobenzene
Concen: 50.942 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11

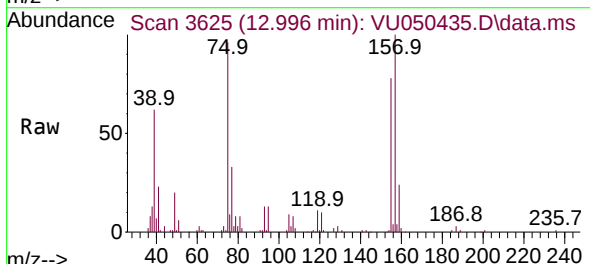
Instrument :
MSVOA_U
ClientSampleId :



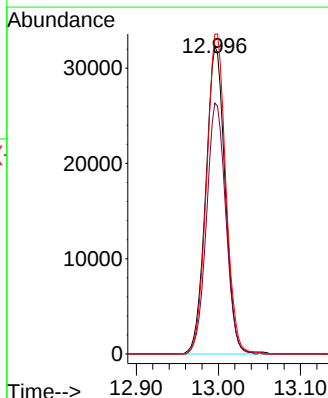
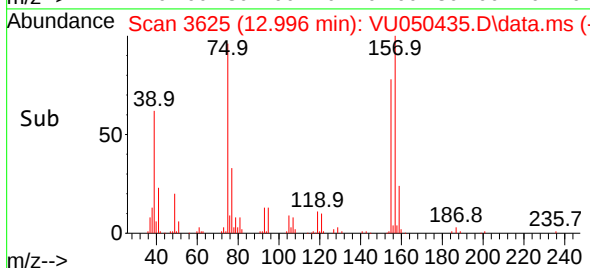
Tgt Ion:146 Resp: 236341
Ion Ratio Lower Upper
146 100
111 43.9 34.1 51.1
148 64.6 51.0 76.6

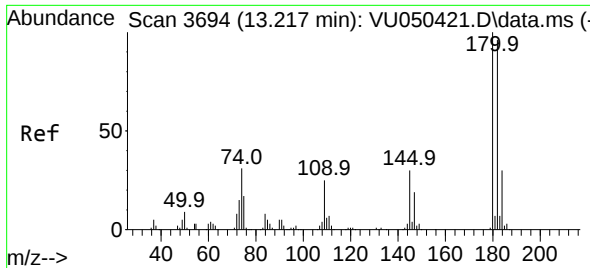


#68
1,2-Dibromo-3-chloropropane
Concen: 52.982 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.000 min
Lab File: VU050435.D
Acq: 24 Aug 2022 19:11



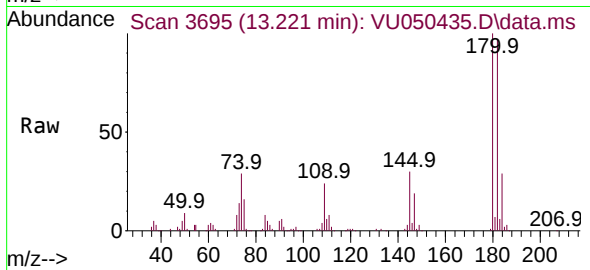
Tgt Ion: 75 Resp: 52933
Ion Ratio Lower Upper
75 100
155 81.5 63.1 94.7
157 108.0 84.2 126.2



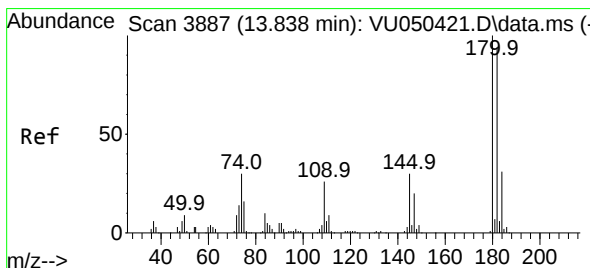
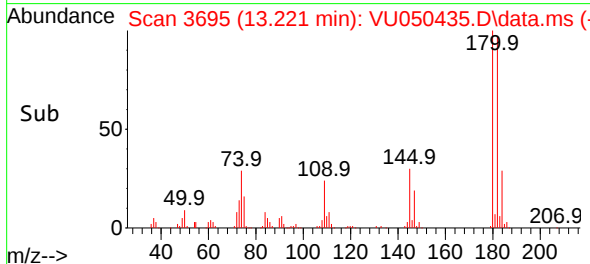
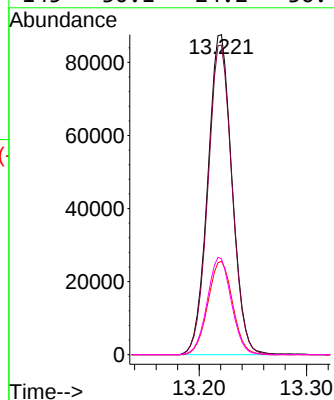


#69
 1,3,5-Trichlorobenzene
 Concen: 45.245 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU050435.D
 Acq: 24 Aug 2022 19:11

Instrument :
 MSVOA_U
 ClientSampleId :

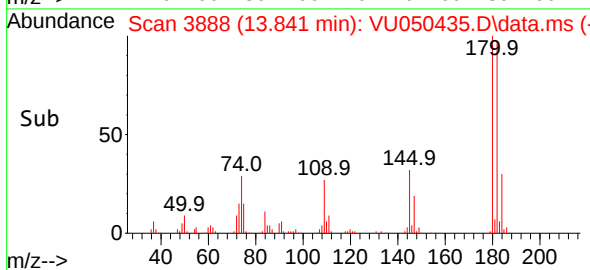
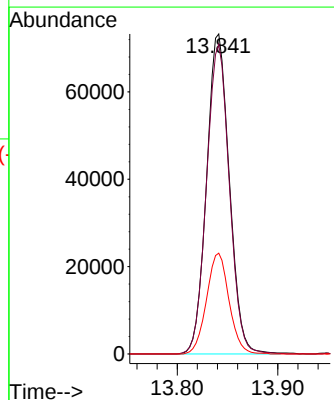
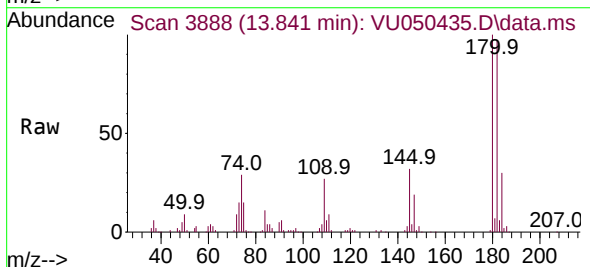


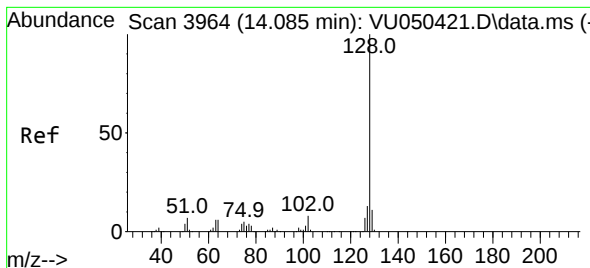
Tgt Ion:180 Resp: 137596
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.0 115.6
 184 29.6 24.1 36.1
 145 30.1 24.2 36.4



#70
 1,2,4-trichlorobenzene
 Concen: 47.401 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU050435.D
 Acq: 24 Aug 2022 19:11

Tgt Ion:180 Resp: 115446
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.4 113.2
 145 31.0 23.9 35.9





#71

Naphthalene

Concen: 58.865 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

Instrument :

MSVOA_U

ClientSampleId :

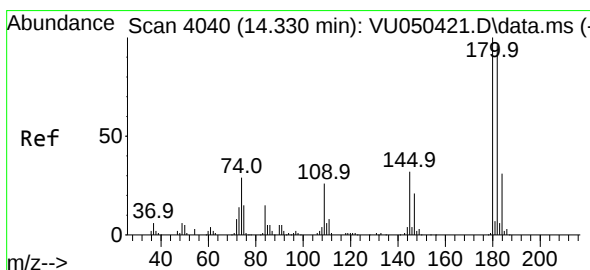
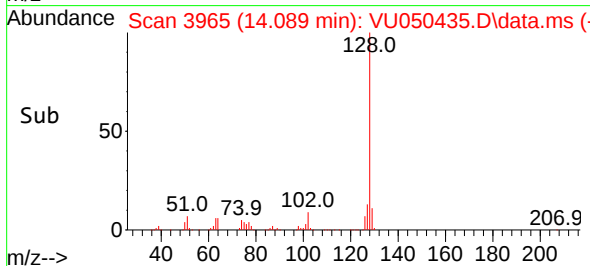
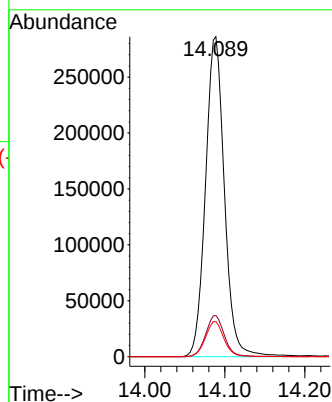
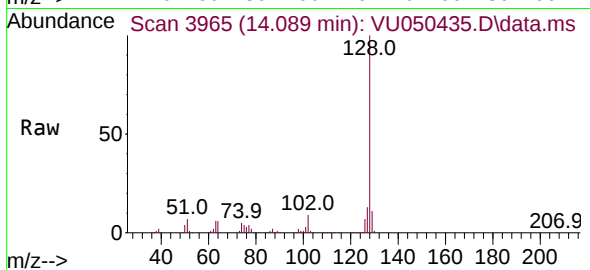
Tgt Ion:128 Resp: 470289

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 52.345 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU050435.D

Acq: 24 Aug 2022 19:11

Tgt Ion:180 Resp: 139335

Ion Ratio Lower Upper

180 100

182 95.0 76.8 115.2

145 32.0 26.5 39.7

