

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082422\
 Data File : VU050419.D
 Acq On : 24 Aug 2022 11:00
 Operator : SY/MD
 Sample : VSTD00507
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 25 04:24:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 25 04:23:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	285210	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	294329	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	117908	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	18055	6.945	ug/L	0.00
7) Chloroethane-d5	1.909	69	14259	7.379	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	25000	5.722	ug/L	0.00
21) 2-Butanone-d5	4.636	46	20551	9.801	ug/L	0.01
24) Chloroform-d	5.067	84	29007	6.457	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	18544	6.204	ug/L	0.00
32) Benzene-d6	5.729	84	50924	5.400	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	18622	5.938	ug/L	0.00
41) Toluene-d8	7.899	98	40926	4.948	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	6752	5.118	ug/L	0.00
47) 2-Hexanone-d5	8.639	63	8654	6.347	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	28058	6.243	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	14147	6.024	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	11880	3.717	ug/L	98
3) Chloromethane	1.520	50	13961	3.946	ug/L	100
5) Vinyl chloride	1.604	62	13351	4.119	ug/L	99
6) Bromomethane	1.851	94	4769	3.268	ug/L	93
8) Chloroethane	1.932	64	8947	4.861	ug/L	97
9) Trichlorofluoromethane	2.137	101	17065	4.249	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	10705	4.983	ug/L	99
12) 1,1-Dichloroethene	2.578	96	8766	4.407	ug/L	86
13) Acetone	2.633	43	19563	10.672	ug/L	97
14) Carbon disulfide	2.793	76	23561	3.654	ug/L	97
15) Methyl Acetate	2.954	43	13638	4.444	ug/L	97
16) Methylene chloride	3.044	84	14153	5.570	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	9312	4.290	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	25626	3.504	ug/L	98
19) 1,1-Dichloroethane	3.870	63	21062	4.667	ug/L	95
20) cis-1,2-Dichloroethene	4.668	96	10106	4.091	ug/L	92
22) 2-Butanone	4.716	43	18169	7.282	ug/L	94
23) Bromochloromethane	4.973	128	6121	4.920	ug/L	89
25) Chloroform	5.089	83	22559	4.927	ug/L	99
27) 1,2-Dichloroethane	5.796	62	16836	4.399	ug/L	97
29) Cyclohexane	5.391	56	10315	2.433	ug/L	91
30) 1,1,1-Trichloroethane	5.317	97	17072	4.170	ug/L	99
31) Carbon tetrachloride	5.523	117	14368	4.289	ug/L	95
33) Benzene	5.774	78	40433	3.760	ug/L	100
34) Trichloroethene	6.546	95	9593	3.717	ug/L	90
35) Methylcyclohexane	6.764	83	11919	3.015	ug/L	96
37) 1,2-Dichloropropane	6.793	63	12981	4.360	ug/L #	96
38) Bromodichloromethane	7.108	83	17236	4.632	ug/L	96
39) cis-1,3-Dichloropropene	7.610	75	14856	3.725	ug/L	95
40) 4-Methyl-2-pentanone	7.796	43	27415	5.832	ug/L	93
42) Toluene	7.970	91	36676	3.419	ug/L	97
44) trans-1,3-Dichloropropene	8.214	75	13335	3.534	ug/L	100

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 ClientSampleId :

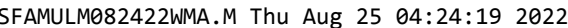
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 25 04:23:24 2022
 Response via : Initial Calibration

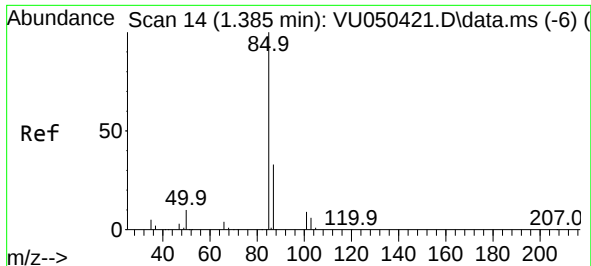
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.401	97	12942	4.846	ug/L	98
46) Tetrachloroethene	8.555	164	7565	4.198	ug/L	96
48) 2-Hexanone	8.690	43	20226	5.310	ug/L	91
49) Dibromochloromethane	8.812	129	13317	4.953	ug/L	90
50) 1,2-Dibromoethane	8.925	107	12819	4.824	ug/L	98
51) Chlorobenzene	9.449	112	28570	4.366	ug/L	97
52) Ethylbenzene	9.571	91	36226	3.247	ug/L	100
53) m,p-Xylene	9.697	106	12826	3.128	ug/L	99
54) o-Xylene	10.105	106	12242	2.976	ug/L	93
55) Styrene	10.118	104	18807	2.745	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.783	83	22987	4.817	ug/L	98
59) Bromoform	10.291	173	9327	5.800	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	17163	5.483	ug/L	95
61) Isopropylbenzene	10.488	105	31051	3.616	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	23738	3.315	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	21881	3.082	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	17233	4.524	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	18277	4.776	ug/L	91
67) 1,2-Dichlorobenzene	12.214	146	18434	4.637	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	3999	4.454	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.841	180	7947	3.008	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	7947	3.334	ug/L	94
71) Naphthalene	14.092	128	19497	2.317	ug/L	98
72) 1,2,3-Trichlorobenzene	14.333	180	8444	3.381	ug/L	96

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

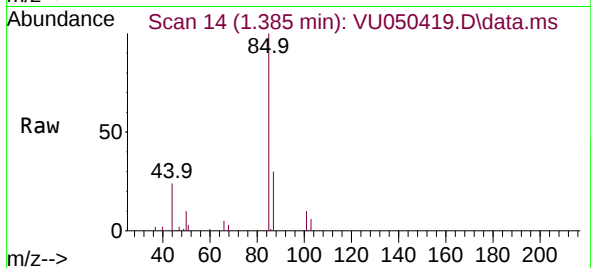
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
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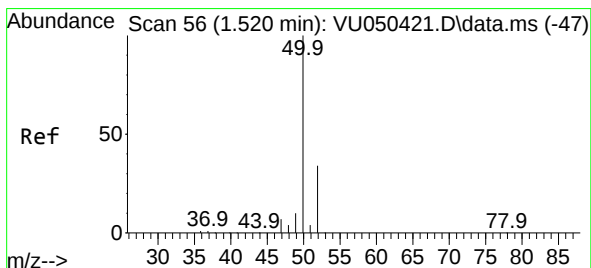
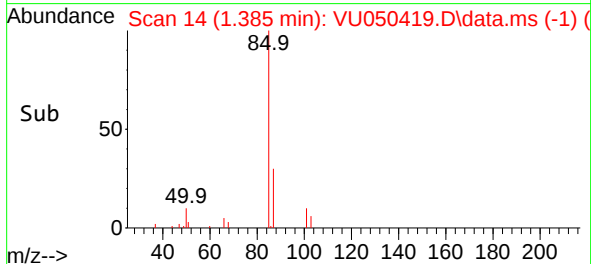
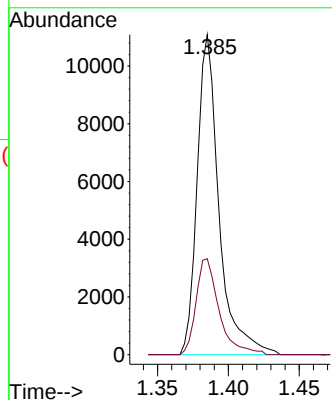


#2
Dichlorodifluoromethane
Concen: 3.717 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Instrument :
MSVOA_U
ClientSampleId :

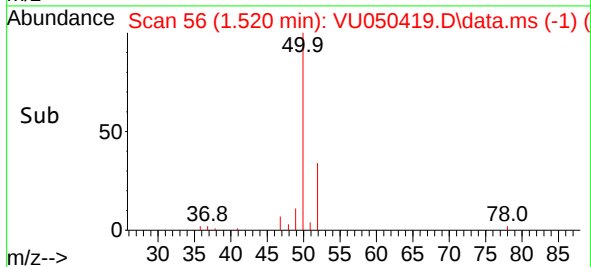
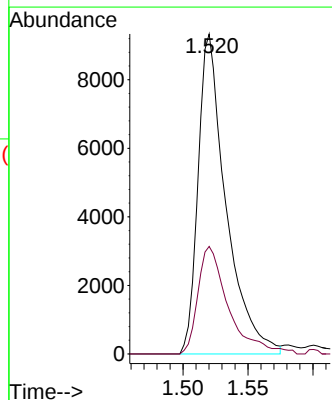
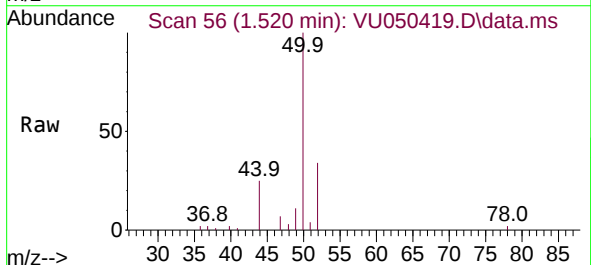


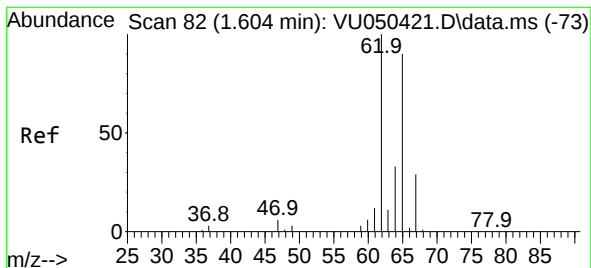
Tgt Ion: 85 Resp: 11880
Ion Ratio Lower Upper
85 100
87 31.7 26.2 39.4



#3
Chloromethane
Concen: 3.946 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Tgt Ion: 50 Resp: 13961
Ion Ratio Lower Upper
50 100
52 33.6 23.4 43.6





#5

Vinyl chloride

Concen: 4.119 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

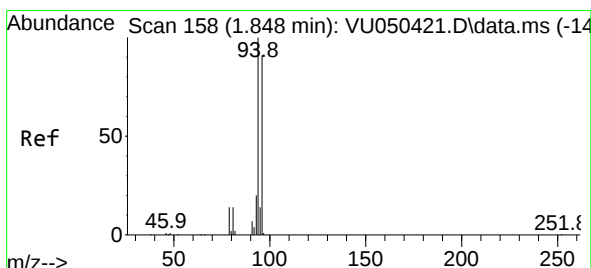
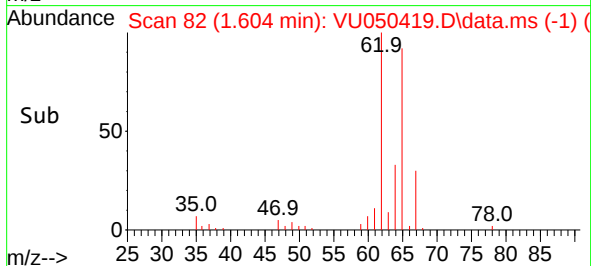
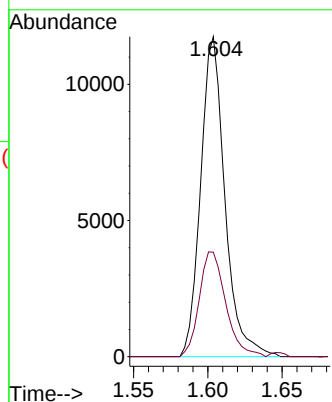
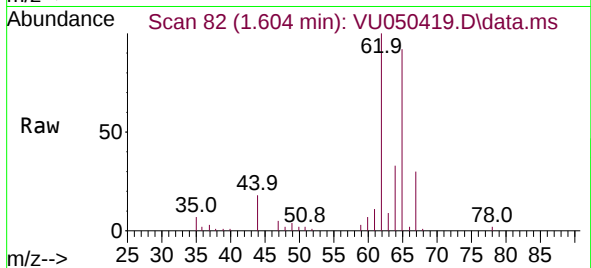
ClientSampleId :

Tgt Ion: 62 Resp: 13351

Ion Ratio Lower Upper

62 100

64 32.6 23.1 42.9



#6

Bromomethane

Concen: 3.268 ug/L

RT: 1.851 min Scan# 159

Delta R.T. 0.003 min

Lab File: VU050419.D

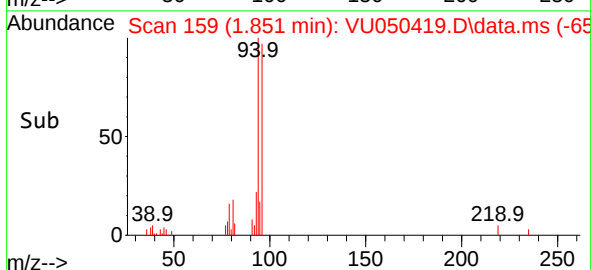
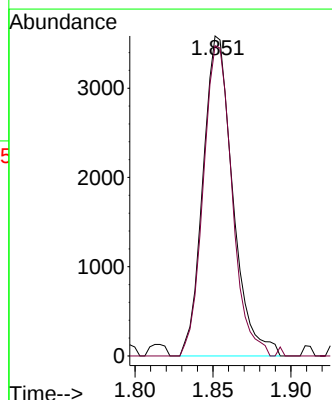
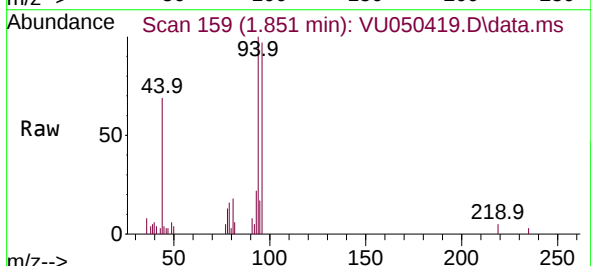
Acq: 24 Aug 2022 11:00

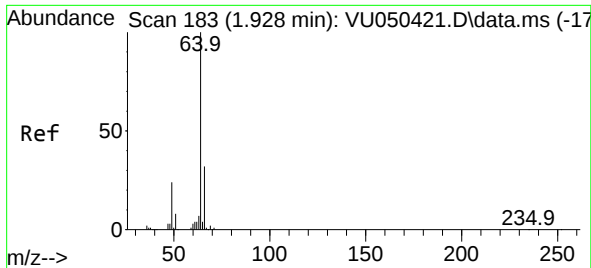
Tgt Ion: 94 Resp: 4769

Ion Ratio Lower Upper

94 100

96 96.9 63.3 117.5

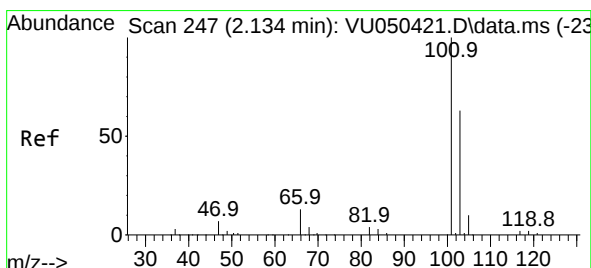
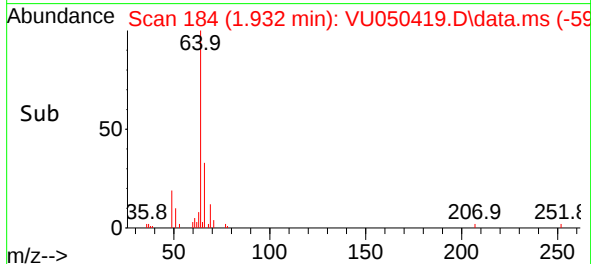
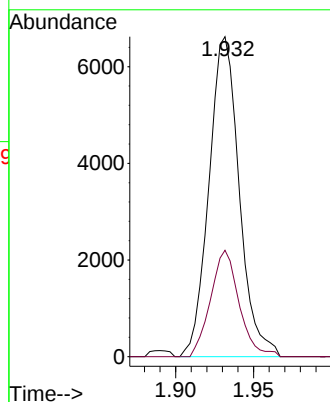
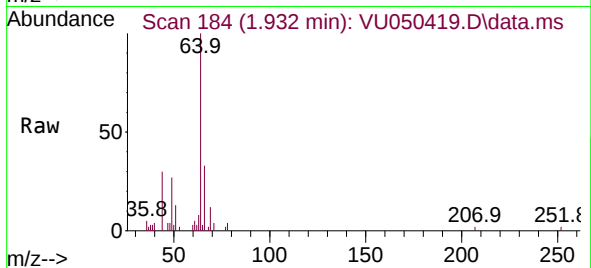




#8
Chloroethane
Concen: 4.861 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

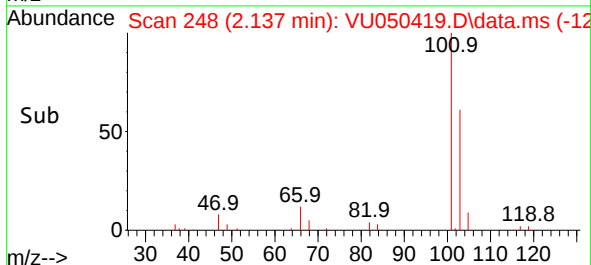
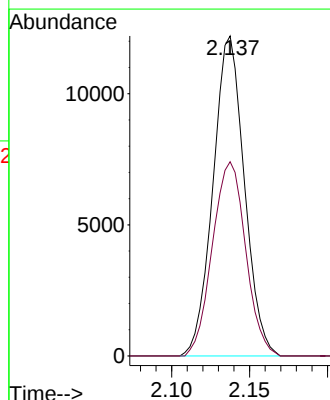
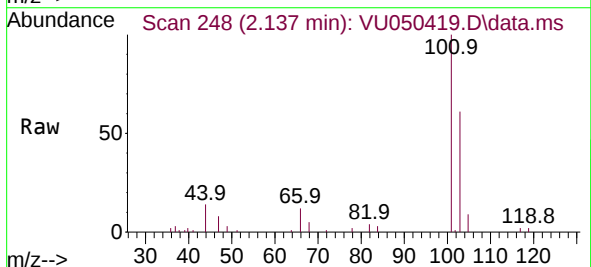
Instrument :
MSVOA_U
ClientSampleId :

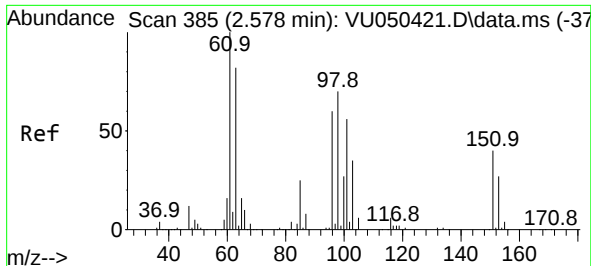
Tgt Ion: 64 Resp: 8947
Ion Ratio Lower Upper
64 100
66 33.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.249 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Tgt Ion:101 Resp: 17065
Ion Ratio Lower Upper
101 100
103 64.3 51.1 76.7





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.983 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

ClientSampleId :

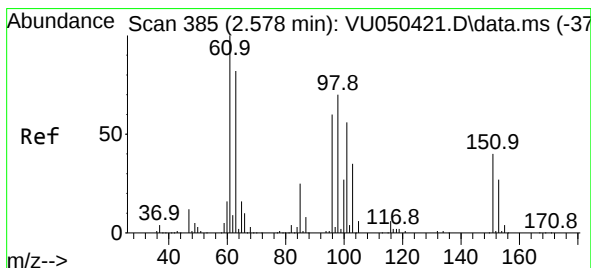
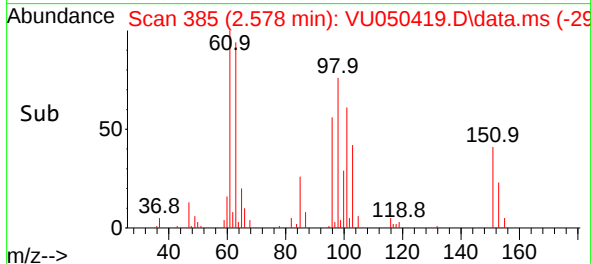
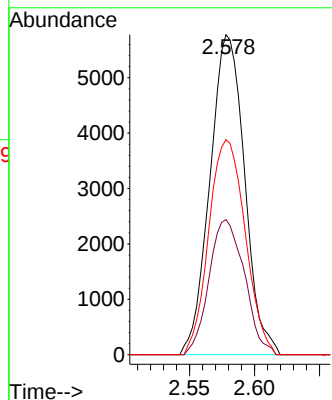
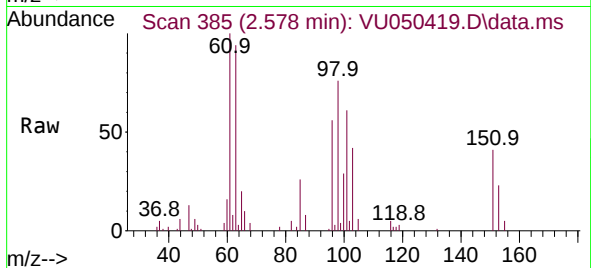
Tgt Ion:101 Resp: 10705

Ion Ratio Lower Upper

101 100

85 43.1 35.3 52.9

151 70.6 57.3 85.9



#12

1,1-Dichloroethene

Concen: 4.407 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

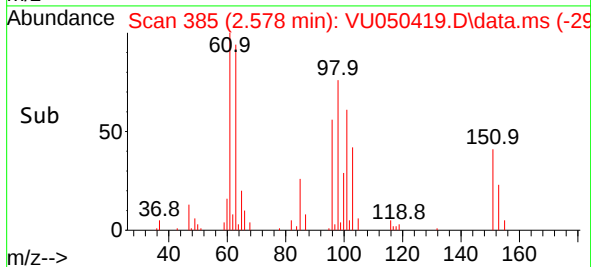
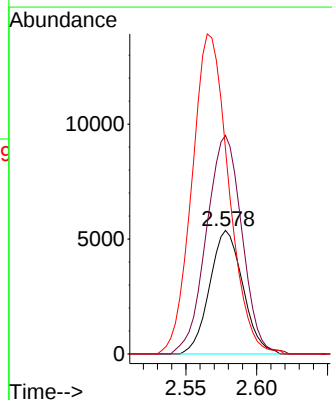
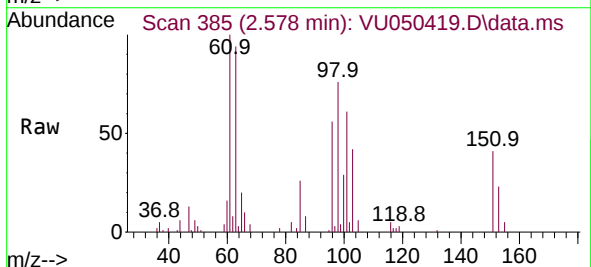
Tgt Ion: 96 Resp: 8766

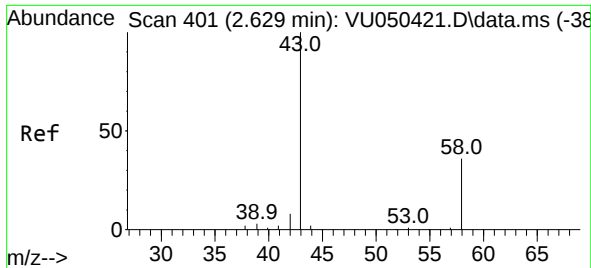
Ion Ratio Lower Upper

96 100

61 177.1 116.8 216.8

63 166.1 97.4 180.8





#13

Acetone

Concen: 10.672 ug/L

RT: 2.633 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

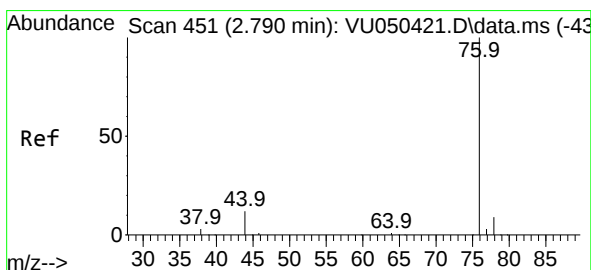
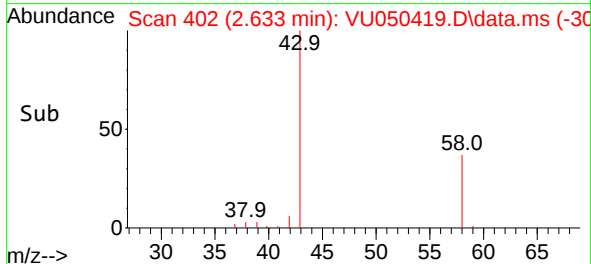
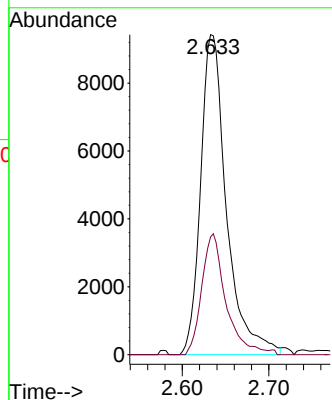
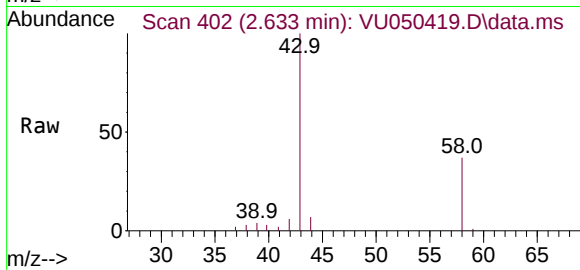
ClientSampleId :

Tgt Ion: 43 Resp: 19563

Ion Ratio Lower Upper

43 100

58 34.1 0.0 72.2



#14

Carbon disulfide

Concen: 3.654 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU050419.D

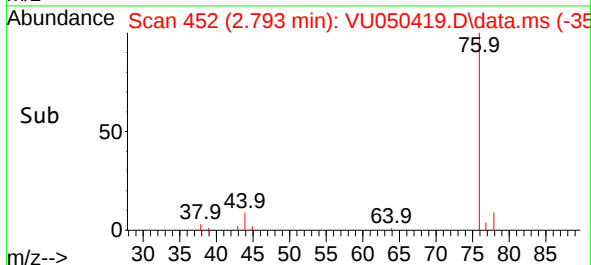
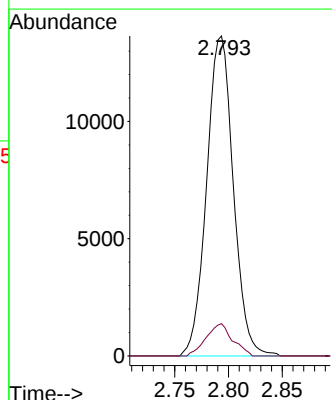
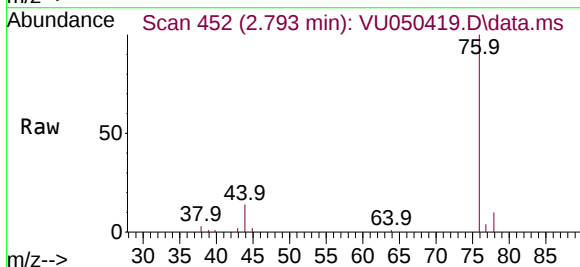
Acq: 24 Aug 2022 11:00

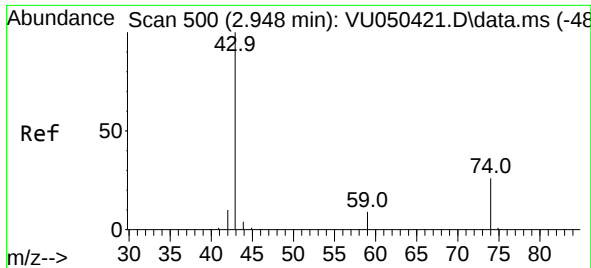
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Ion Ratio Lower Upper

76 100

78 10.1 7.3 10.9

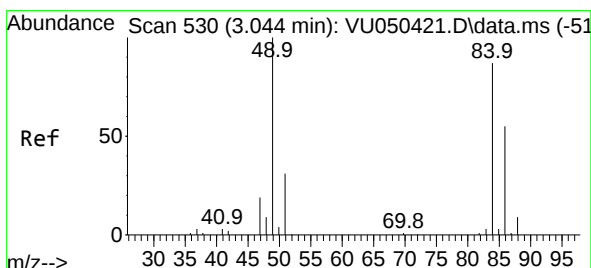
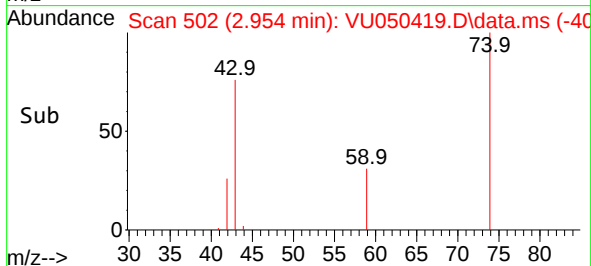
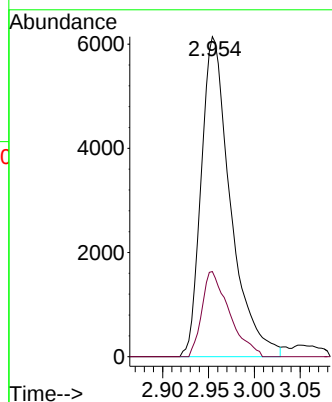
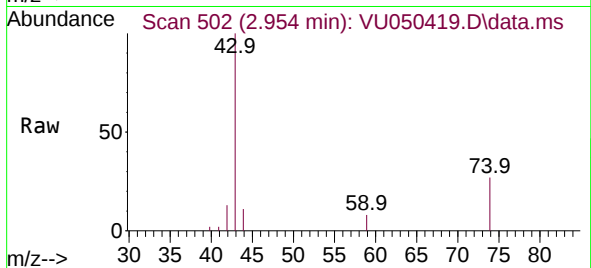




#15
Methyl Acetate
Concen: 4.444 ug/L
RT: 2.954 min Scan# 50
Delta R.T. 0.007 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

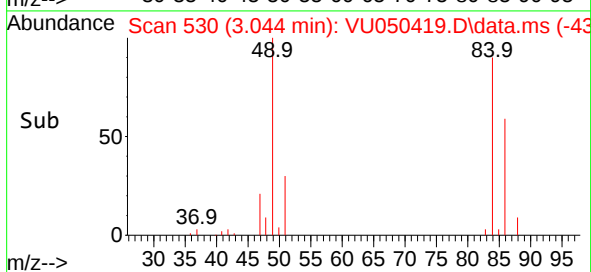
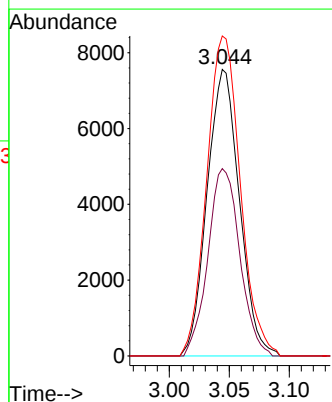
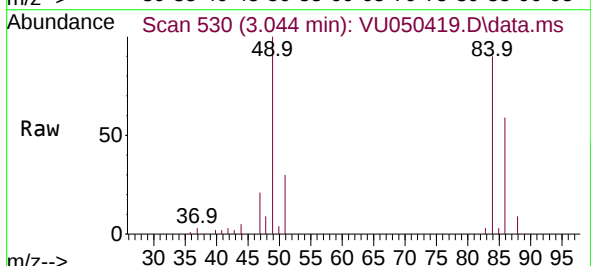
Instrument :
MSVOA_U
ClientSampleId :

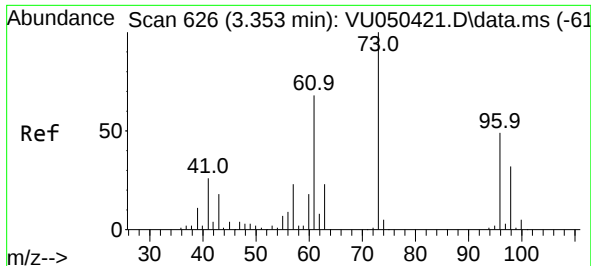
Tgt Ion: 43 Resp: 13638
Ion Ratio Lower Upper
43 100
74 25.0 21.2 31.8



#16
Methylene chloride
Concen: 5.570 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Tgt Ion: 84 Resp: 14153
Ion Ratio Lower Upper
84 100
86 65.4 43.9 81.5
49 111.7 80.4 149.4





#17

trans-1,2-Dichloroethene

Concen: 4.290 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

ClientSampleId :

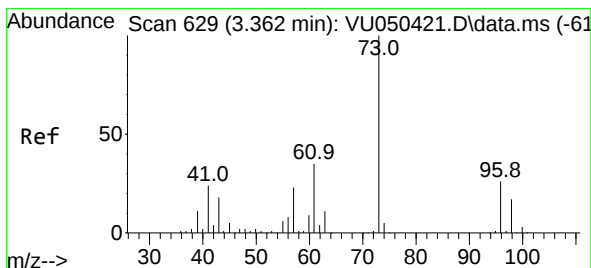
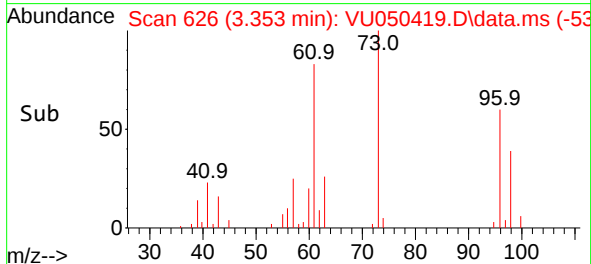
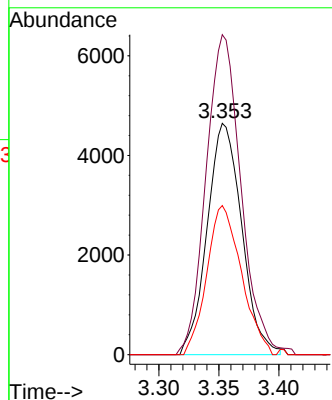
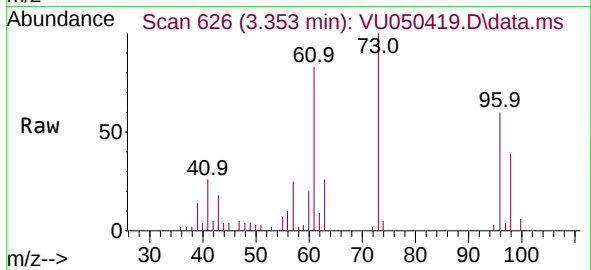
Tgt Ion: 96 Resp: 9312

Ion Ratio Lower Upper

96 100

61 138.3 98.5 182.9

98 64.5 45.7 84.9



#18

Methyl tert-butyl Ether

Concen: 3.504 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.003 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

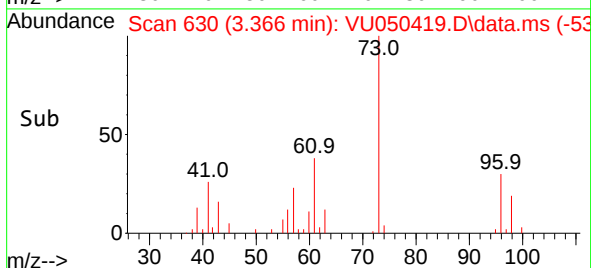
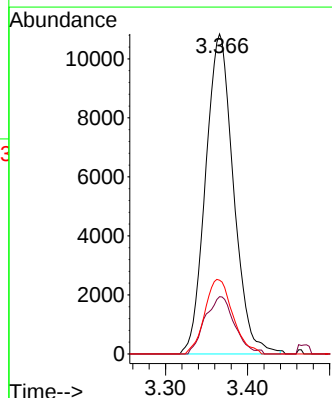
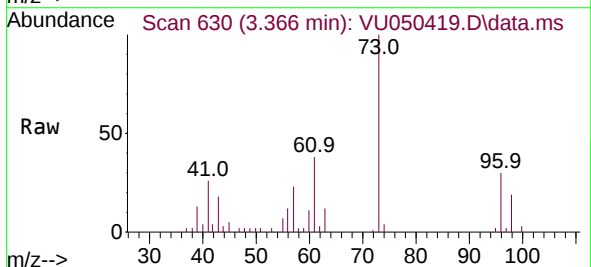
Tgt Ion: 73 Resp: 25626

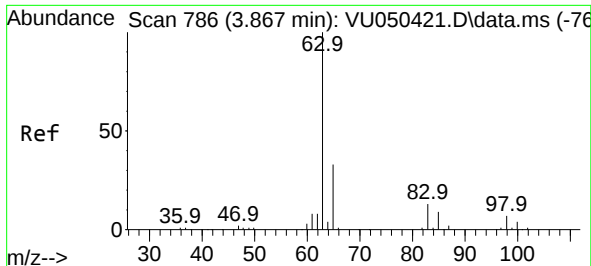
Ion Ratio Lower Upper

73 100

43 18.7 14.4 21.6

57 23.4 17.8 26.8





#19

1,1-Dichloroethane

Concen: 4.667 ug/L

RT: 3.870 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU050419.D

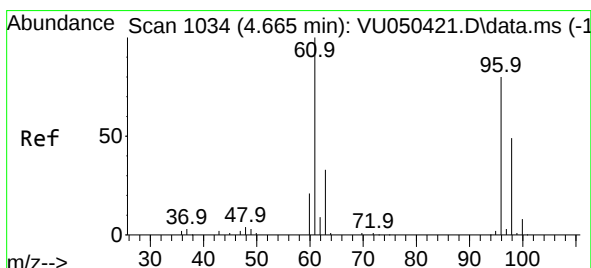
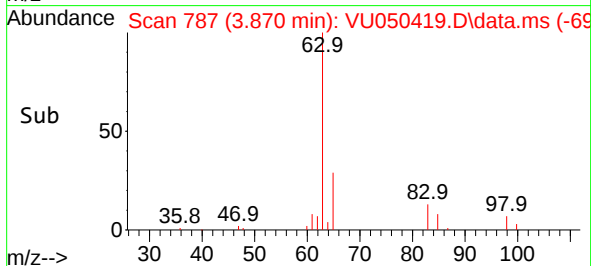
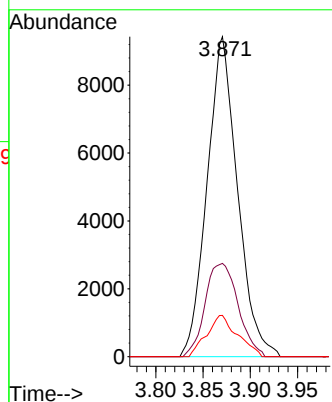
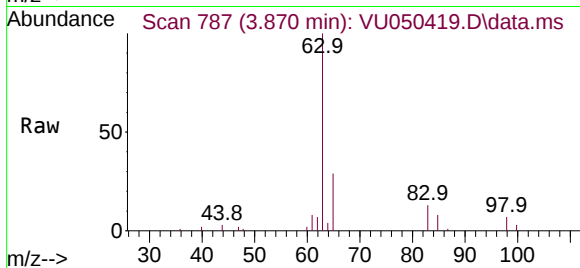
Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	21062
Ion	Ratio	Lower	Upper
63	100		
65	29.2	23.3	43.3
83	12.9	9.0	16.8



#20

cis-1,2-Dichloroethene

Concen: 4.091 ug/L

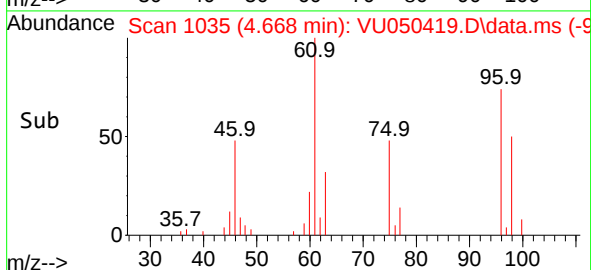
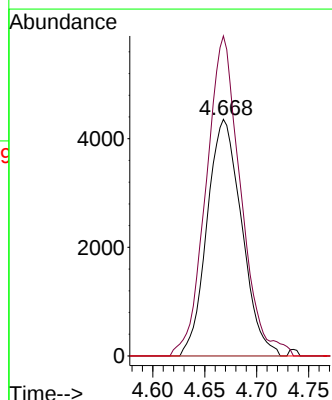
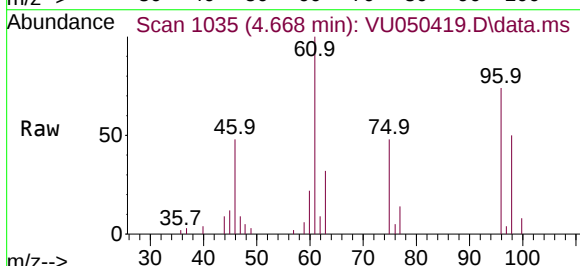
RT: 4.668 min Scan# 1035

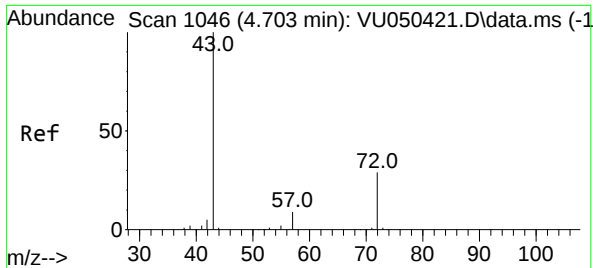
Delta R.T. 0.003 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Tgt Ion:	96	Resp:	10106
Ion	Ratio	Lower	Upper
96	100		
61	135.2	88.1	163.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 7.282 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.013 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

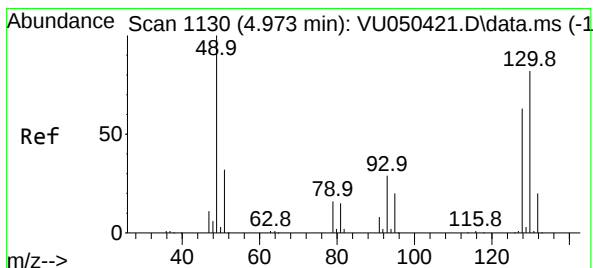
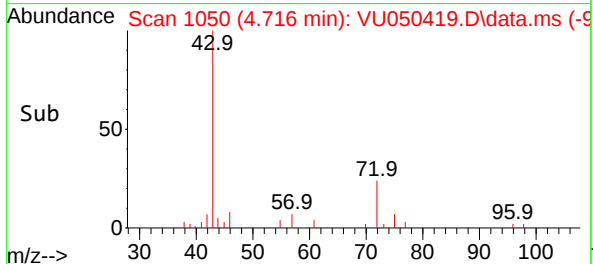
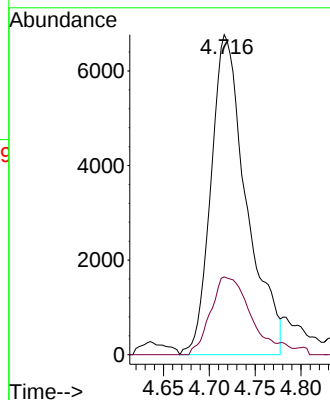
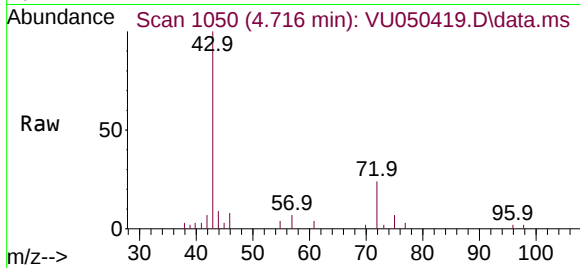
ClientSampleId :

Tgt Ion: 43 Resp: 18169

Ion Ratio Lower Upper

43 100

72 26.9 15.0 45.0



#23

Bromochloromethane

Concen: 4.920 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Tgt Ion:128 Resp: 6121

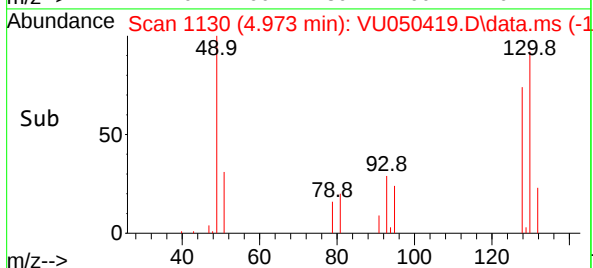
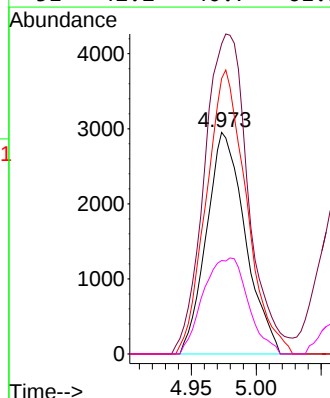
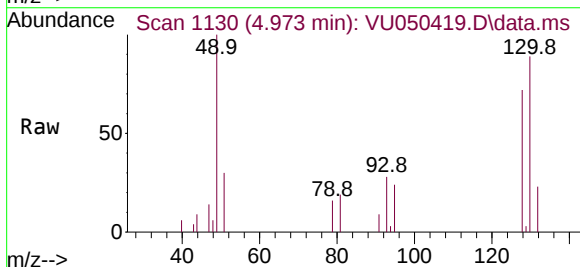
Ion Ratio Lower Upper

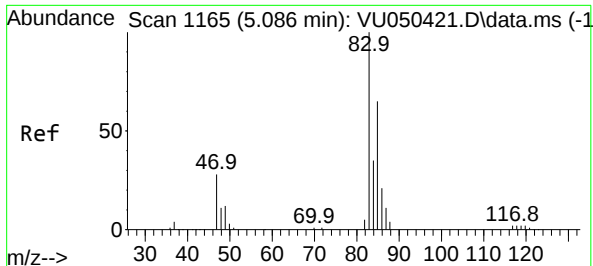
128 100

49 139.9 111.2 206.4

130 124.3 91.1 169.1

51 42.2 40.7 61.1





#25

Chloroform

Concen: 4.927 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

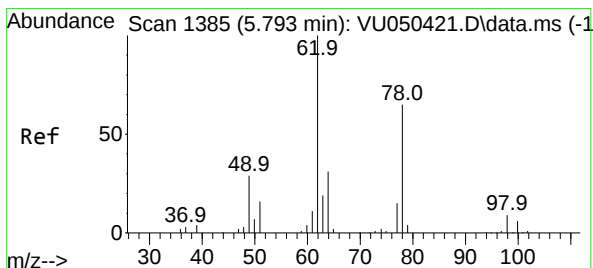
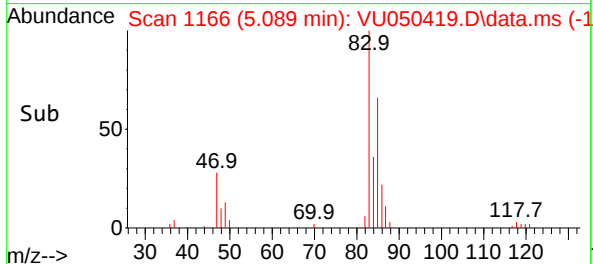
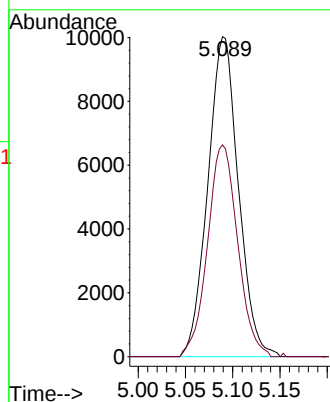
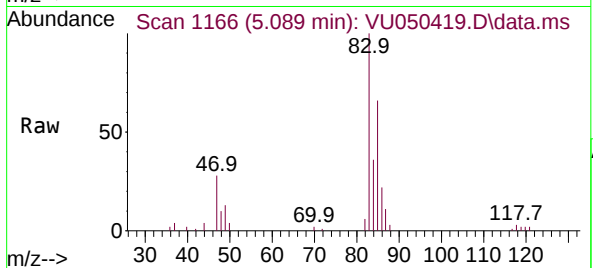
ClientSampleId :

Tgt Ion: 83 Resp: 22559

Ion Ratio Lower Upper

83 100

85 66.2 45.7 84.9



#27

1,2-Dichloroethane

Concen: 4.399 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU050419.D

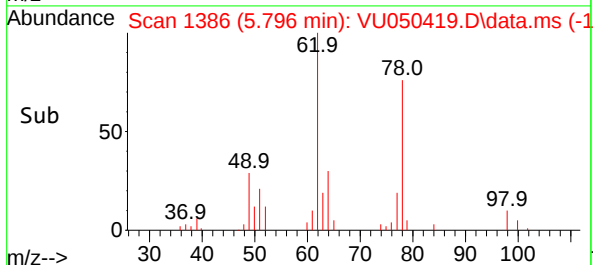
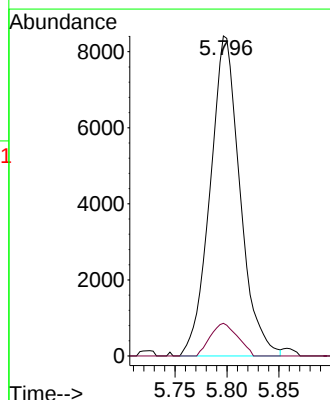
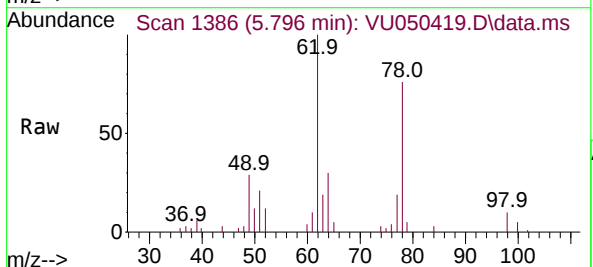
Acq: 24 Aug 2022 11:00

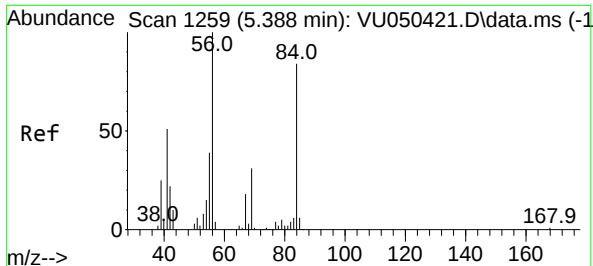
Tgt Ion: 62 Resp: 16836

Ion Ratio Lower Upper

62 100

98 10.2 7.3 10.9





#29

Cyclohexane

Concen: 2.433 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.003 min

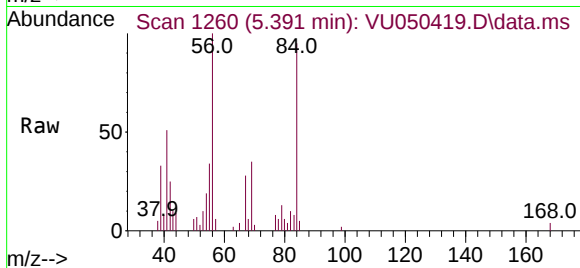
Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

ClientSampleId :



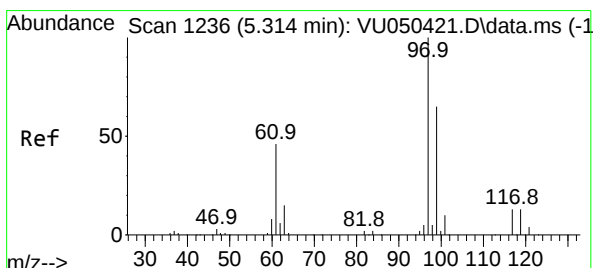
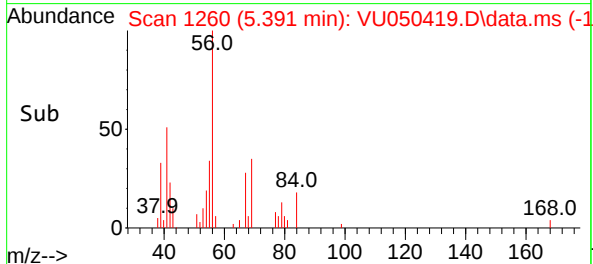
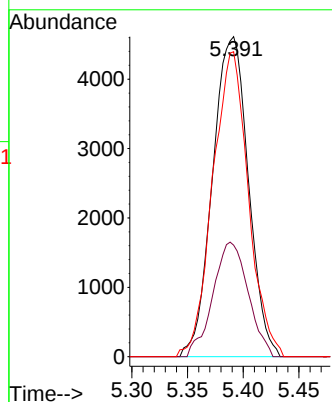
Tgt Ion: 56 Resp: 10315

Ion Ratio Lower Upper

56 100

69 35.1 24.6 36.8

84 94.9 68.8 103.2



#30

1,1,1-Trichloroethane

Concen: 4.170 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

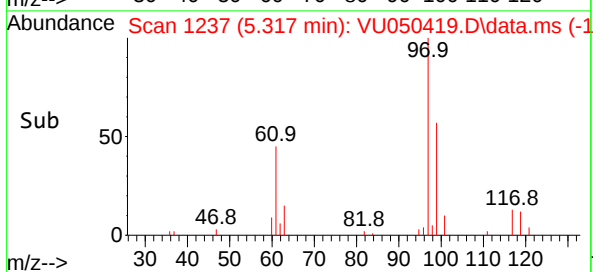
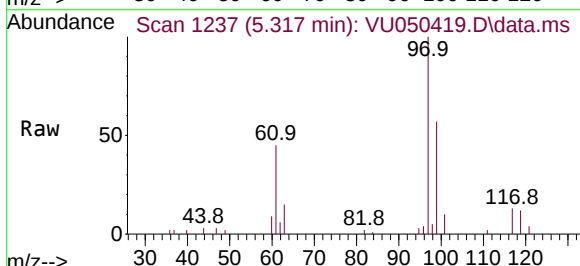
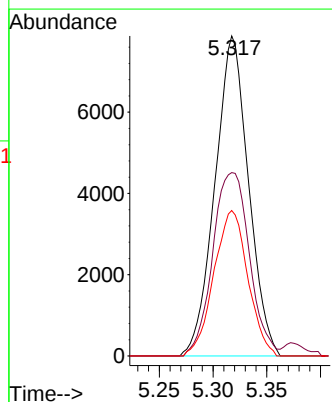
Tgt Ion: 97 Resp: 17072

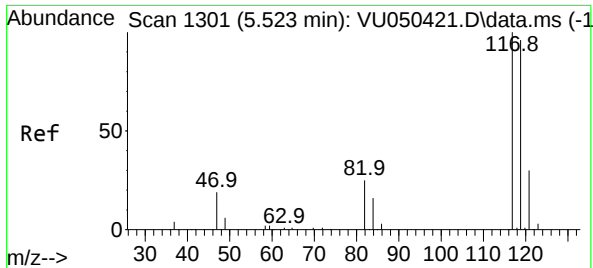
Ion Ratio Lower Upper

97 100

99 62.9 51.2 76.8

61 46.1 36.6 55.0

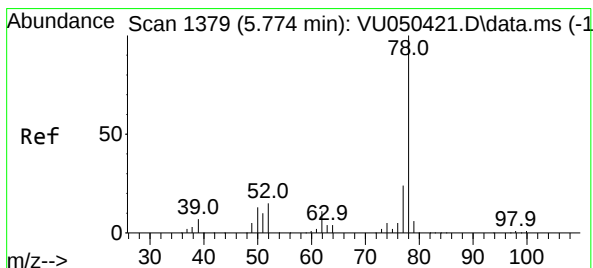
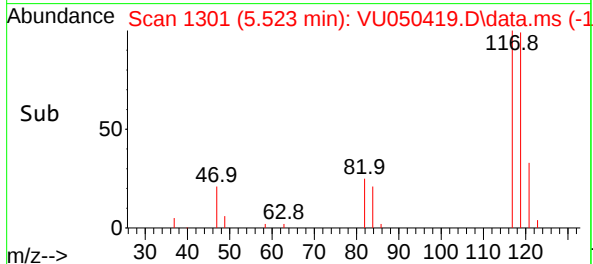
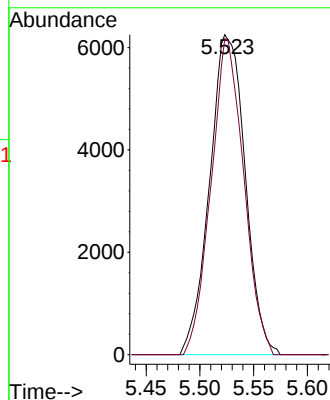
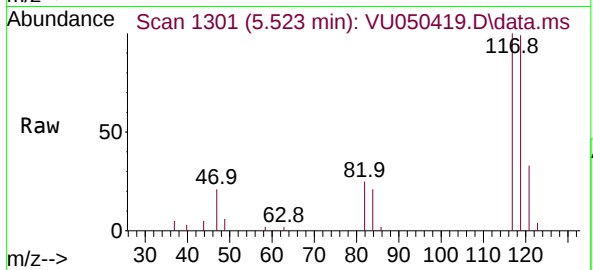




#31
Carbon tetrachloride
Concen: 4.289 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

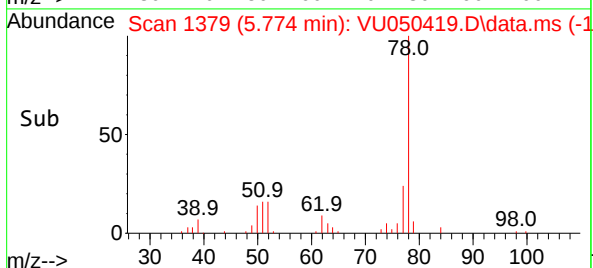
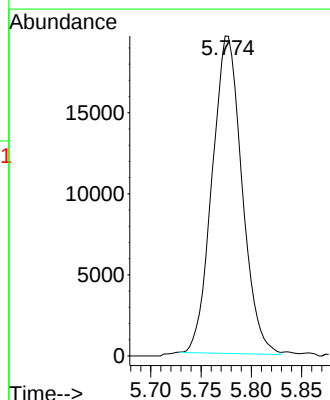
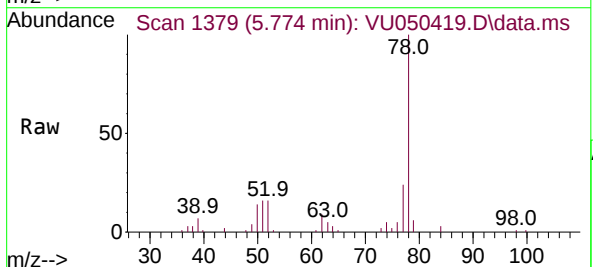
Instrument :
MSVOA_U
ClientSampleId :

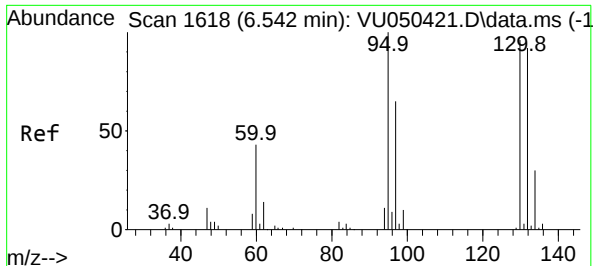
Tgt Ion:117 Resp: 14368
Ion Ratio Lower Upper
117 100
119 90.7 76.9 115.3



#33
Benzene
Concen: 3.760 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

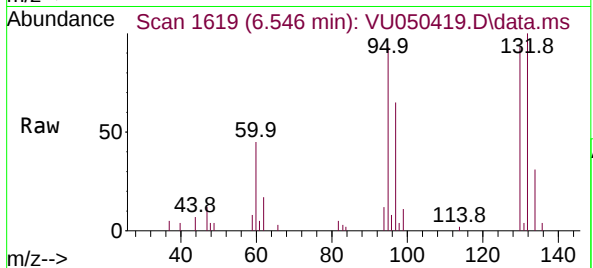
Tgt Ion: 78 Resp: 40433





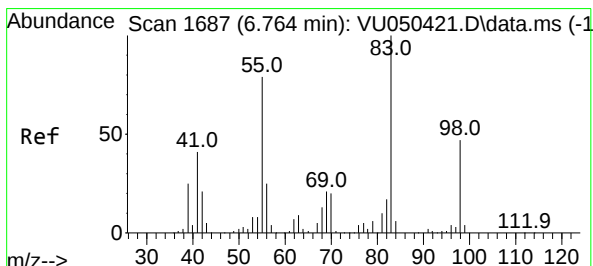
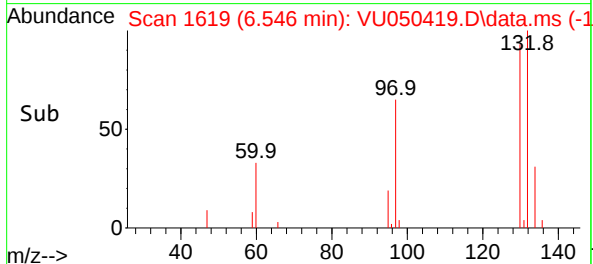
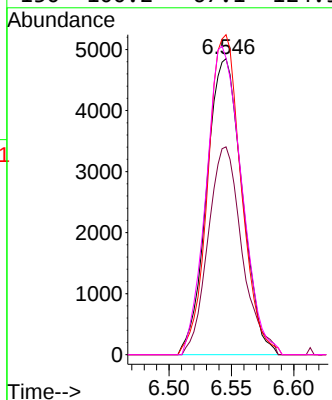
#34
Trichloroethene
Concen: 3.717 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 9593

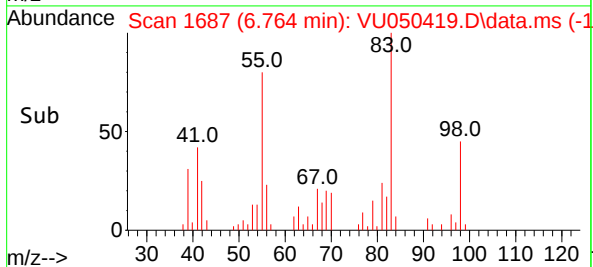
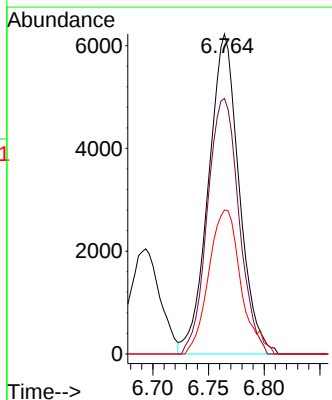
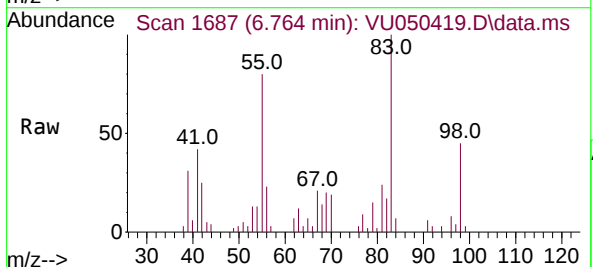
Ion	Ratio	Lower	Upper
95	100		
97	70.2	45.2	84.0
132	108.1	64.4	119.6
130	100.2	67.1	124.5

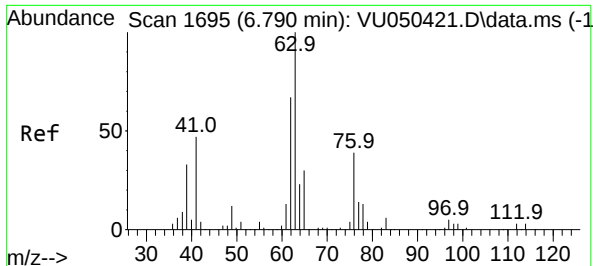


#35
Methylcyclohexane
Concen: 3.015 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Tgt Ion: 83 Resp: 11919

Ion	Ratio	Lower	Upper
83	100		
55	81.8	61.9	92.9
98	47.1	35.8	53.8





#37

1,2-Dichloropropane

Concen: 4.360 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

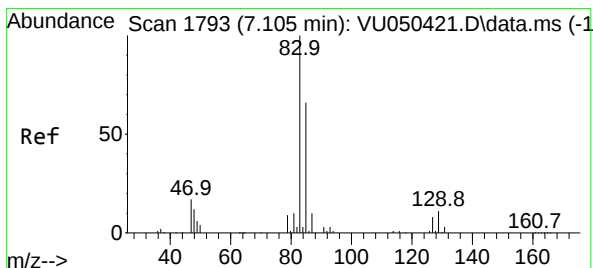
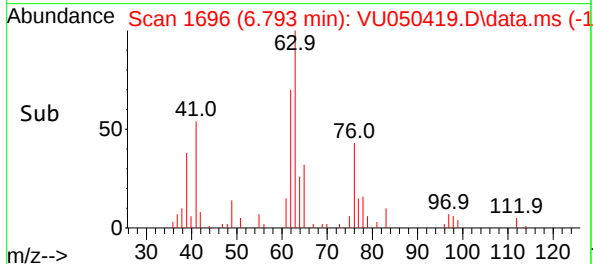
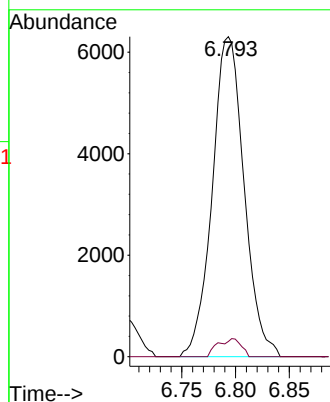
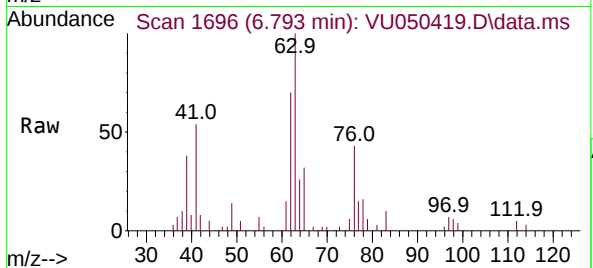
ClientSampleId :

Tgt Ion: 63 Resp: 12981

Ion Ratio Lower Upper

63 100

112 2.4 3.0 4.4#



#38

Bromodichloromethane

Concen: 4.632 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

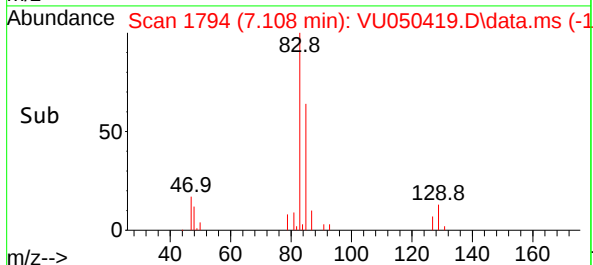
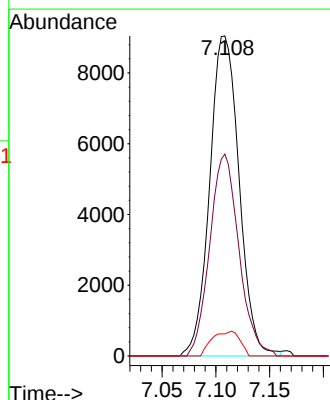
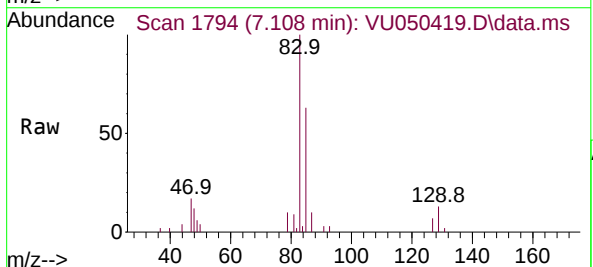
Tgt Ion: 83 Resp: 17236

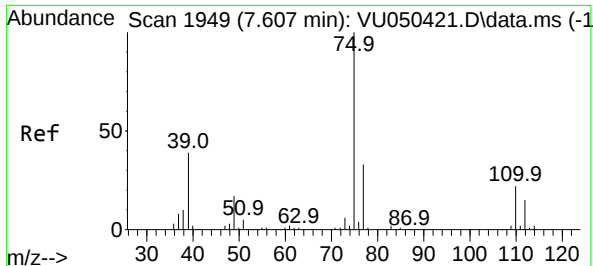
Ion Ratio Lower Upper

83 100

85 63.1 46.2 85.8

127 6.9 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 3.725 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

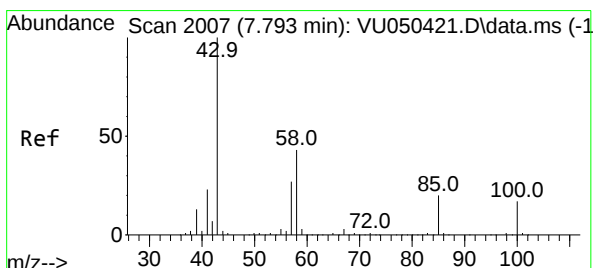
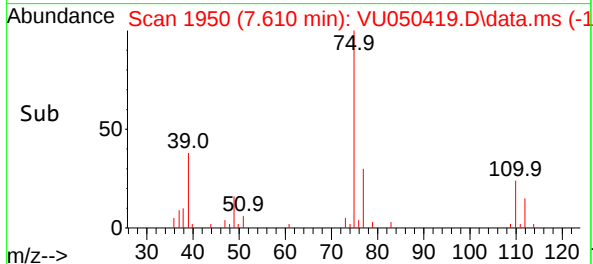
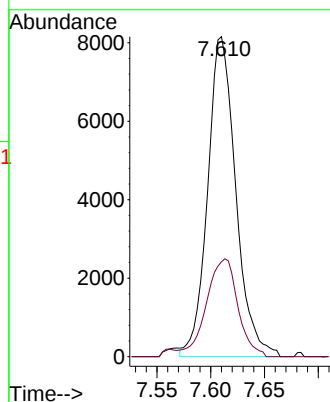
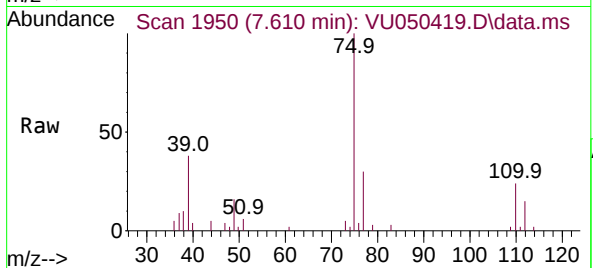
ClientSampleId :

Tgt Ion: 75 Resp: 14856

Ion Ratio Lower Upper

75 100

77 29.6 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 5.832 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

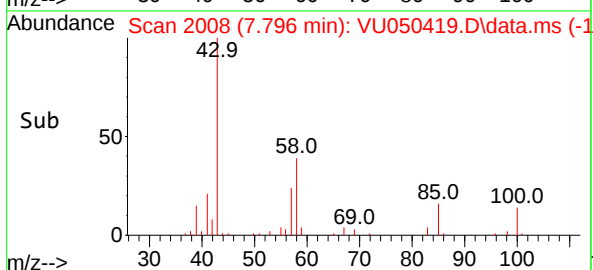
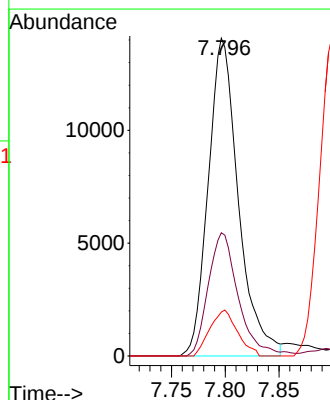
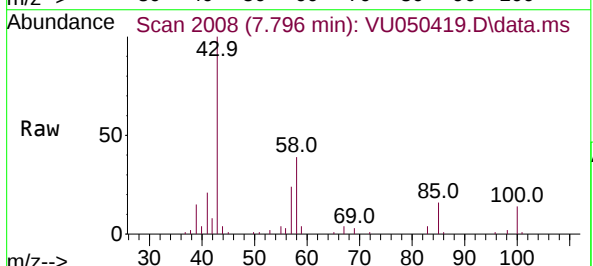
Tgt Ion: 43 Resp: 27415

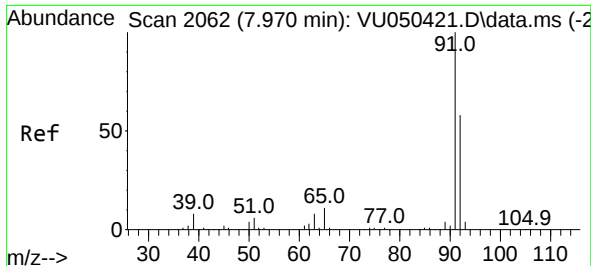
Ion Ratio Lower Upper

43 100

58 38.2 34.0 51.0

100 13.2 13.0 19.4





#42

Toluene

Concen: 3.419 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

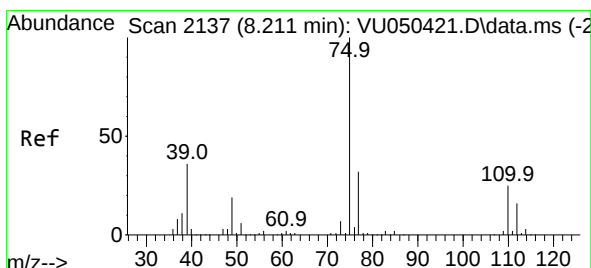
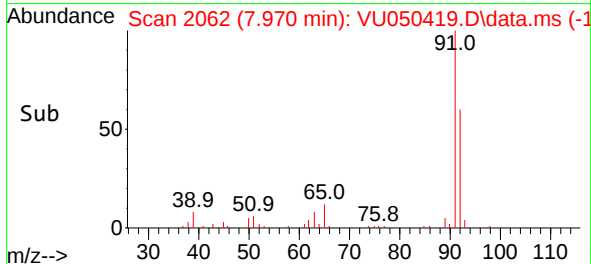
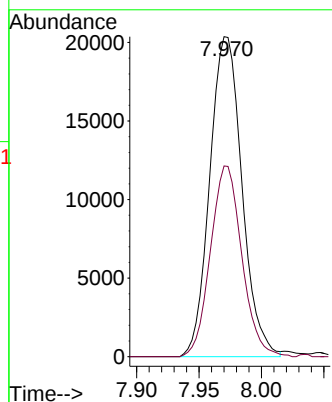
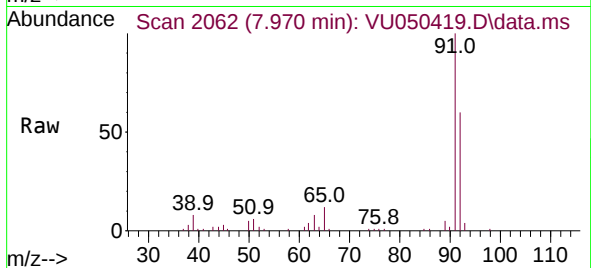
ClientSampleId :

Tgt Ion: 91 Resp: 36676

Ion Ratio Lower Upper

91 100

92 59.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 3.534 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU050419.D

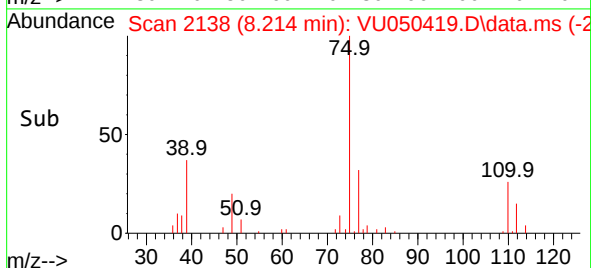
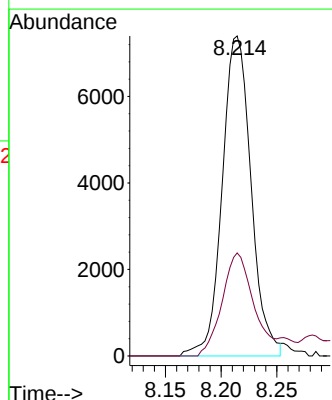
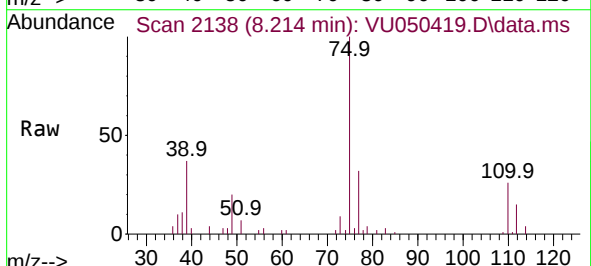
Acq: 24 Aug 2022 11:00

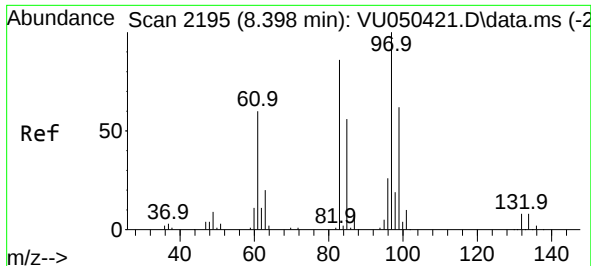
Tgt Ion: 75 Resp: 13335

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.7

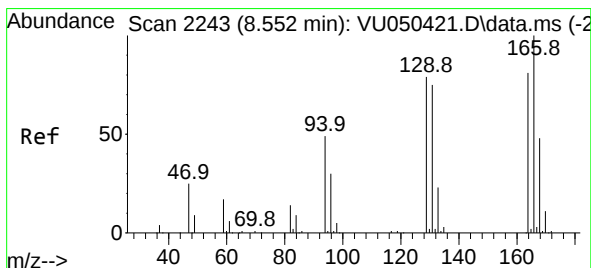
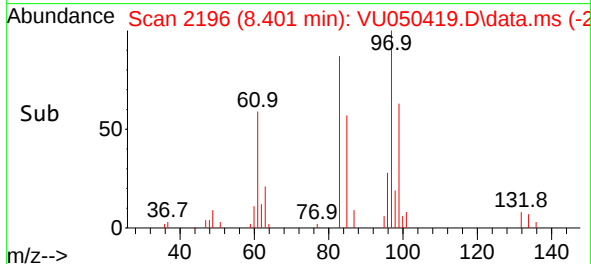
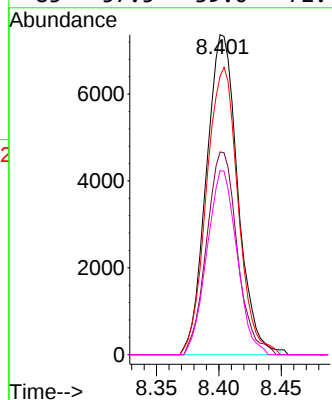
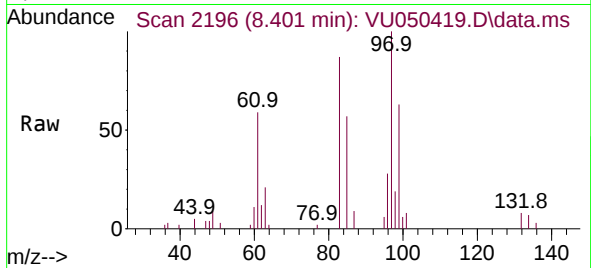




#45
1,1,2-Trichloroethane
Concen: 4.846 ug/L
RT: 8.401 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

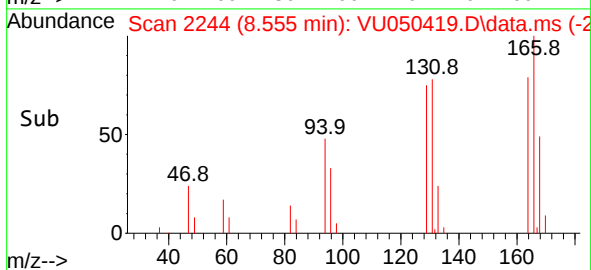
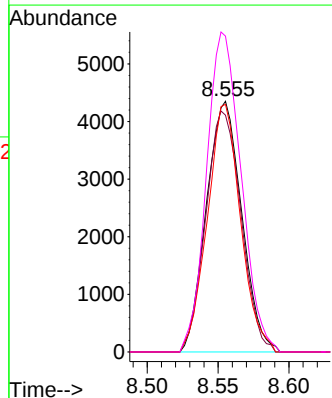
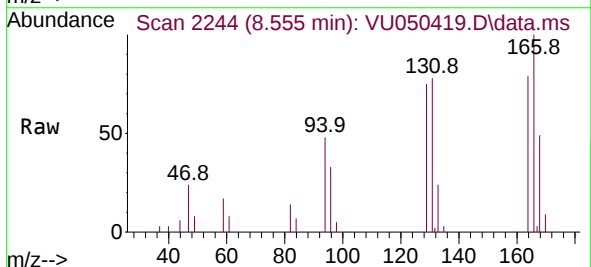
Instrument :
MSVOA_U
ClientSampleId :

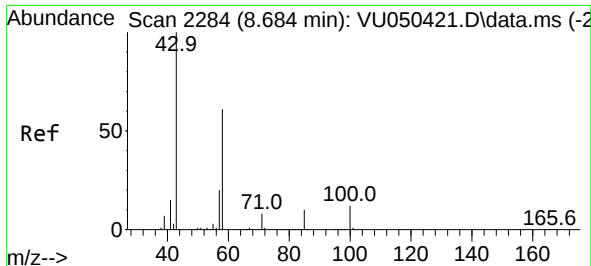
Tgt Ion:	97	Resp:	12942
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.3	80.3
83	86.9	60.3	112.1
85	57.5	39.0	72.4



#46
Tetrachloroethene
Concen: 4.198 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

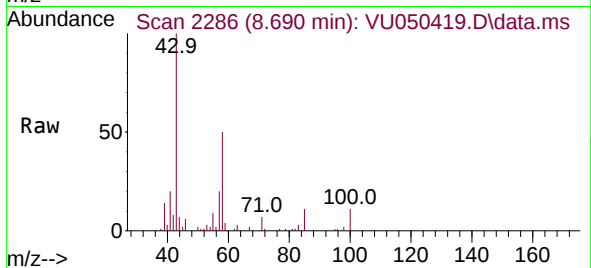
Tgt Ion:	164	Resp:	7565
Ion	Ratio	Lower	Upper
164	100		
129	94.4	68.0	126.4
131	101.5	65.4	121.4
166	126.0	86.5	160.7



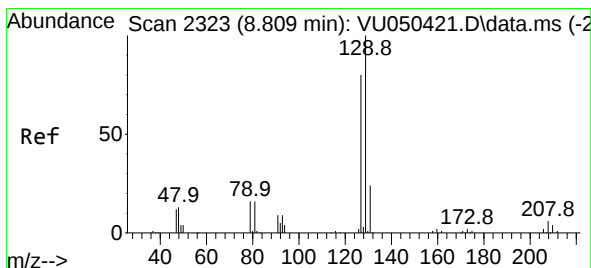
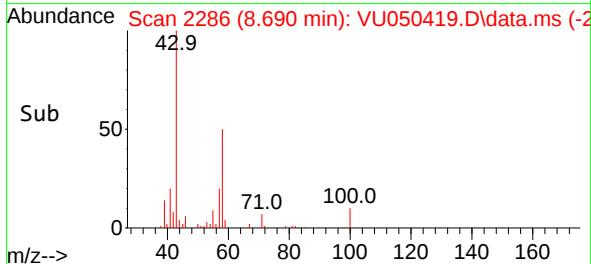
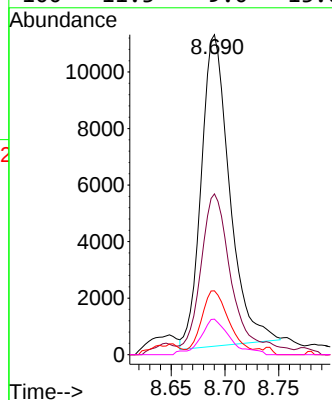


#48
2-Hexanone
Concen: 5.310 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Instrument :
MSVOA_U
ClientSampleId :

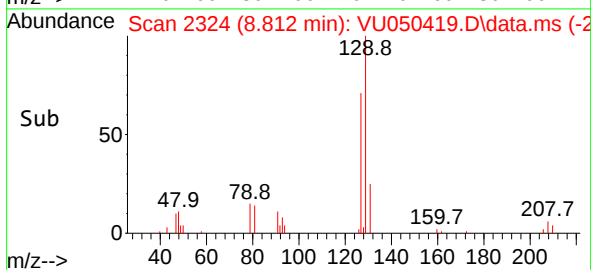
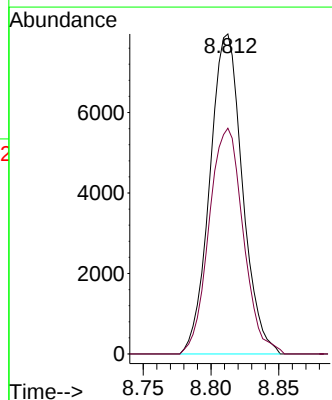
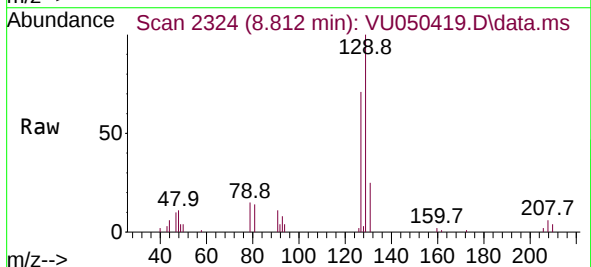


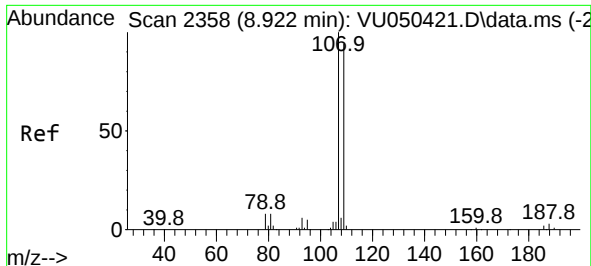
Tgt Ion: 43	Resp: 20226
Ion Ratio	Lower Upper
43	100
58	49.6 47.9 71.9
57	19.9 15.4 23.0
100	11.3 9.0 13.6



#49
Dibromochloromethane
Concen: 4.953 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Tgt Ion: 129	Resp: 13317
Ion Ratio	Lower Upper
129	100
127	70.5 55.9 103.7

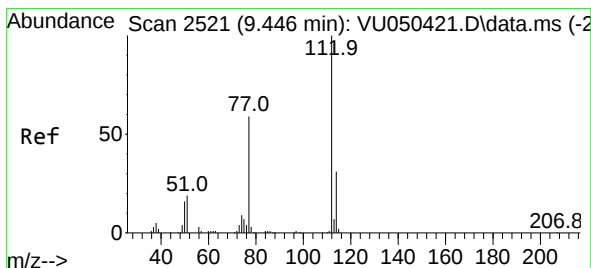
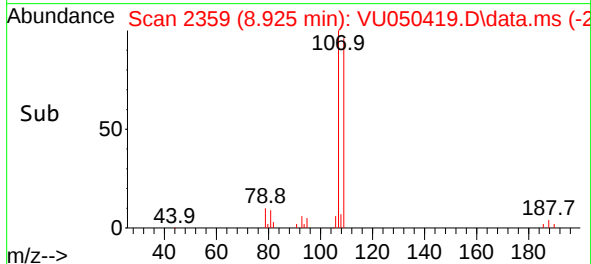
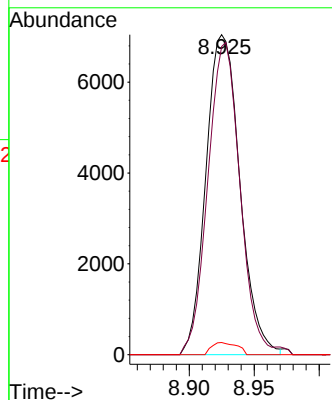
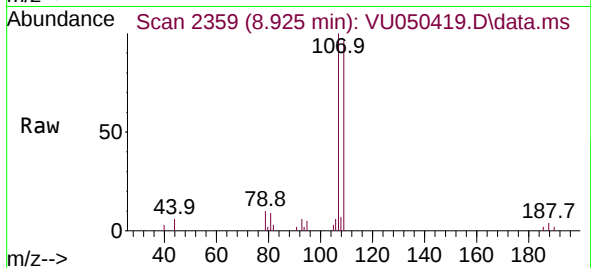




#50
1,2-Dibromoethane
Concen: 4.824 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

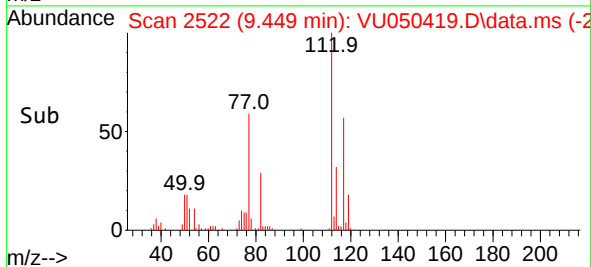
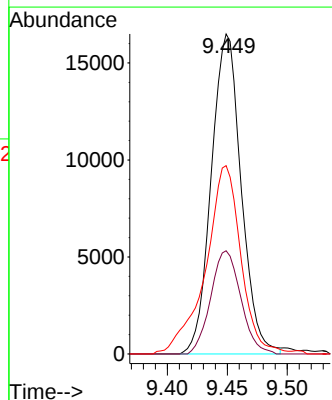
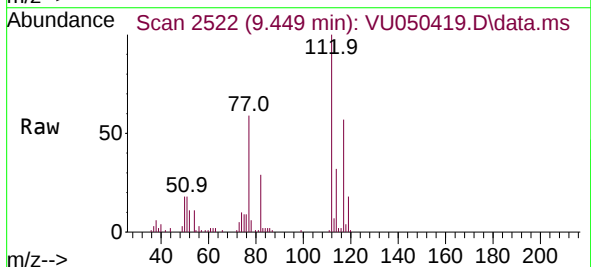
Instrument :
MSVOA_U
ClientSampleId :

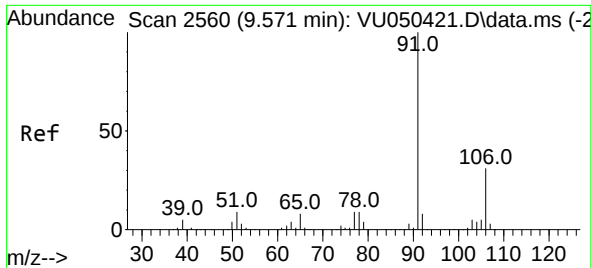
Tgt Ion:107 Resp: 12819
Ion Ratio Lower Upper
107 100
109 96.3 66.0 122.6
188 3.8 2.7 4.1



#51
Chlorobenzene
Concen: 4.366 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Tgt Ion:112 Resp: 28570
Ion Ratio Lower Upper
112 100
114 34.3 21.8 40.6
77 58.9 47.6 71.4

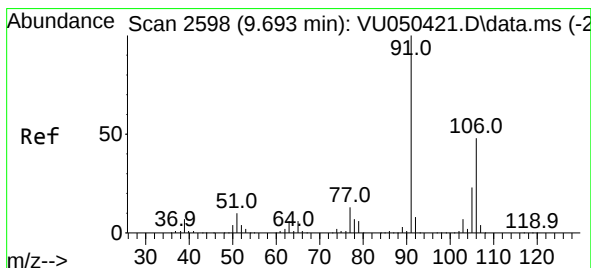
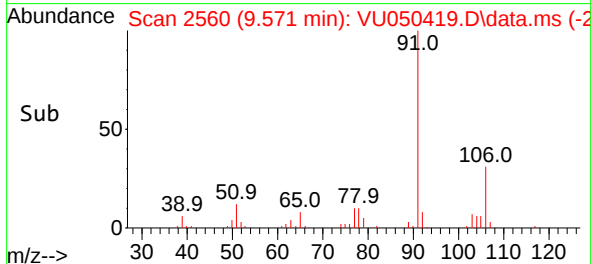
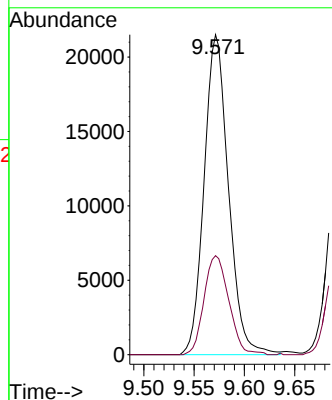
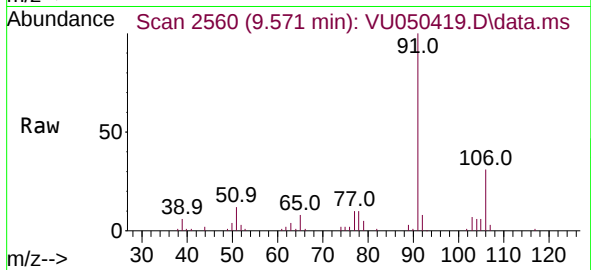




#52
Ethylbenzene
Concen: 3.247 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

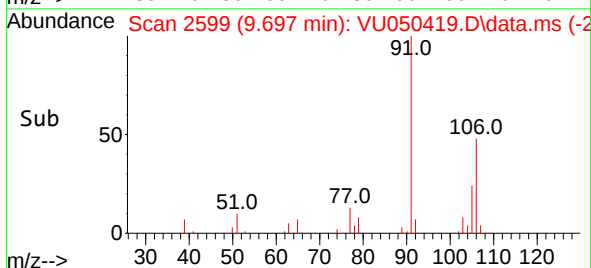
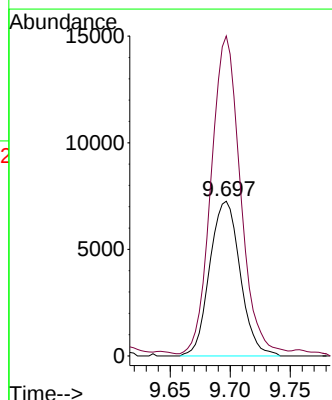
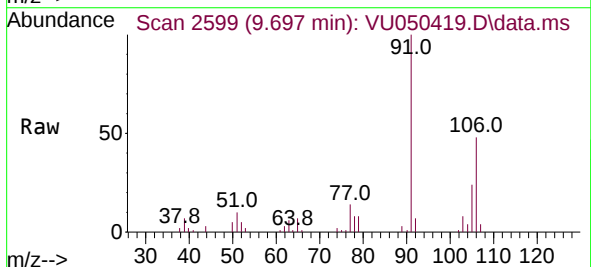
Instrument :
MSVOA_U
ClientSampleId :

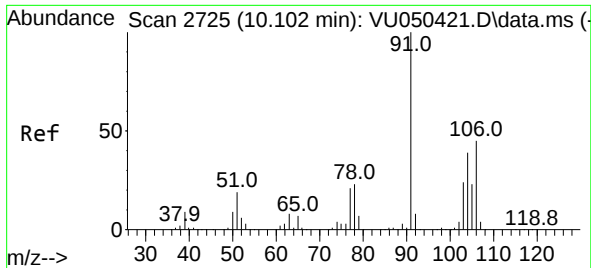
Tgt Ion: 91 Resp: 36226
Ion Ratio Lower Upper
91 100
106 30.9 21.7 40.3



#53
m,p-Xylene
Concen: 3.128 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Tgt Ion: 106 Resp: 12826
Ion Ratio Lower Upper
106 100
91 206.8 145.9 270.9

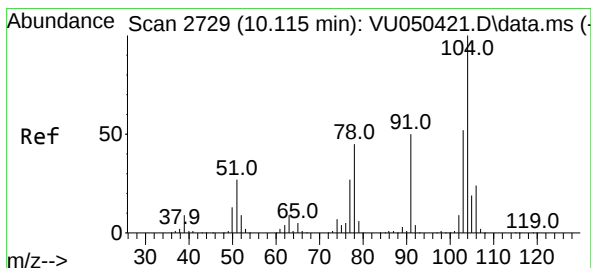
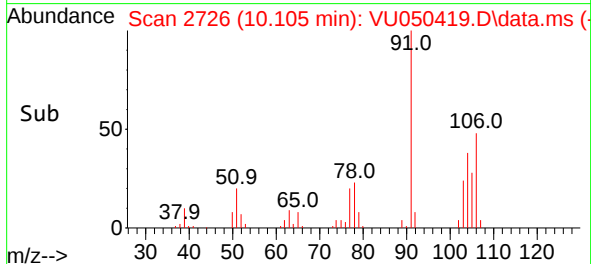
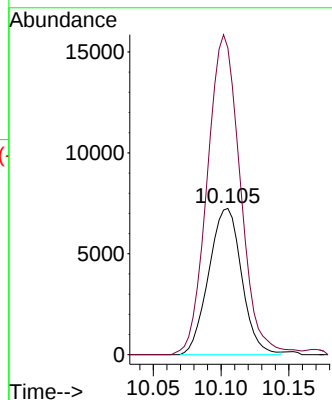
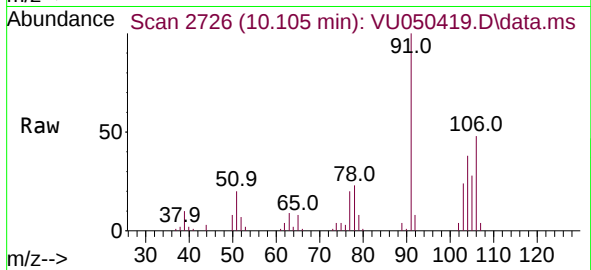




#54
o-Xylene
Concen: 2.976 ug/L
RT: 10.105 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

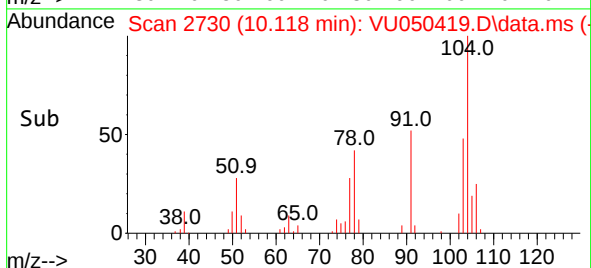
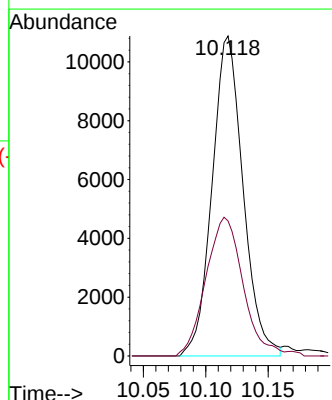
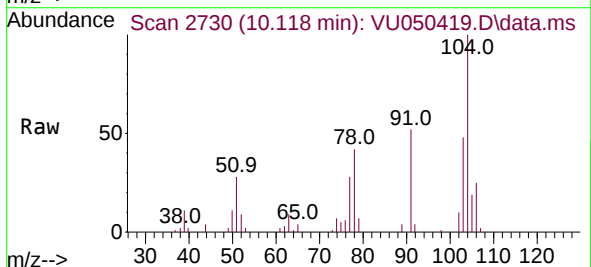
Instrument :
MSVOA_U
ClientSampleId :

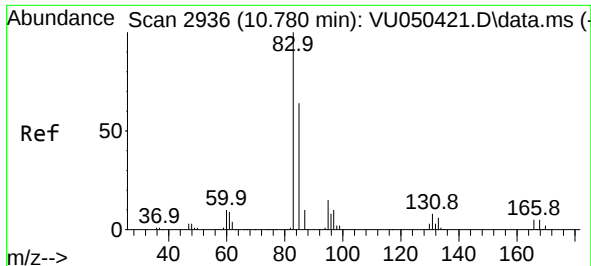
Tgt Ion:106 Resp: 12242
Ion Ratio Lower Upper
106 100
91 209.7 154.8 287.4



#55
Styrene
Concen: 2.745 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Tgt Ion:104 Resp: 18807
Ion Ratio Lower Upper
104 100
78 42.2 31.6 58.8





#57

1,1,2,2-Tetrachloroethane

Concen: 4.817 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

ClientSampleId :

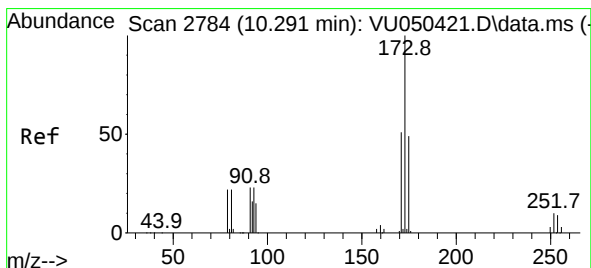
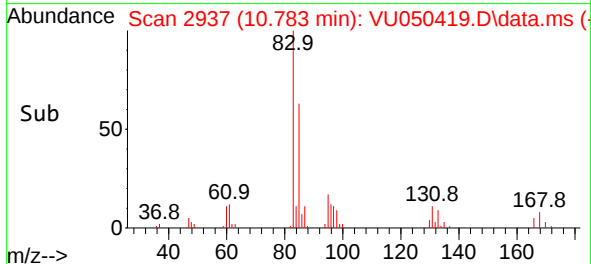
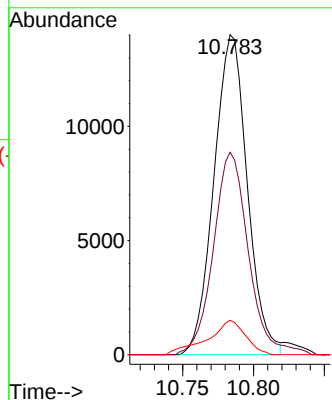
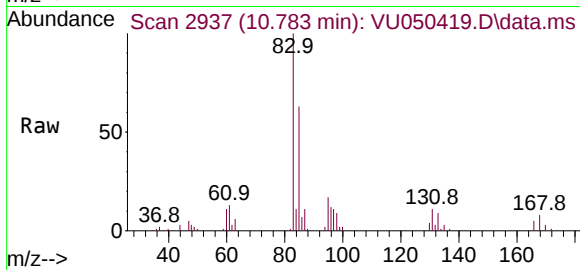
Tgt Ion: 83 Resp: 22987

Ion Ratio Lower Upper

83 100

85 63.3 45.4 84.2

131 10.7 7.2 10.8



#59

Bromoform

Concen: 5.800 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

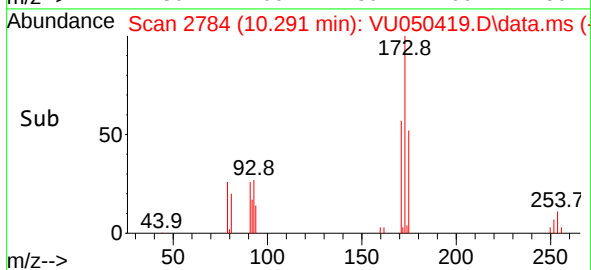
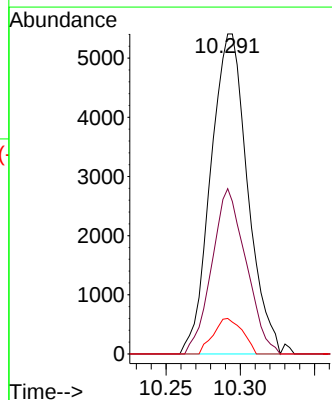
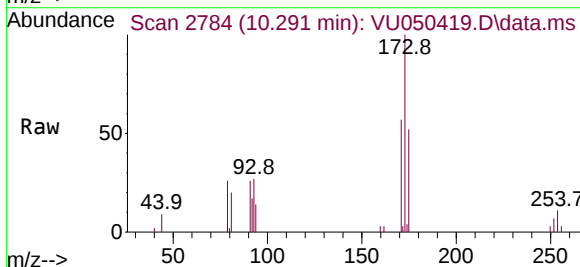
Tgt Ion:173 Resp: 9327

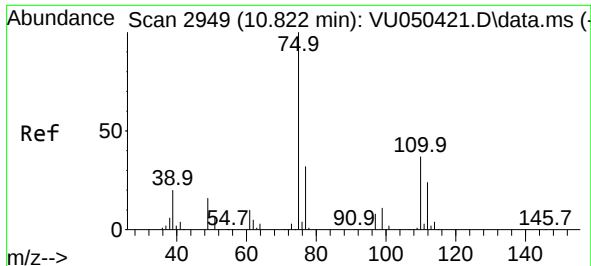
Ion Ratio Lower Upper

173 100

175 48.1 38.4 57.6

254 8.8 7.1 10.7

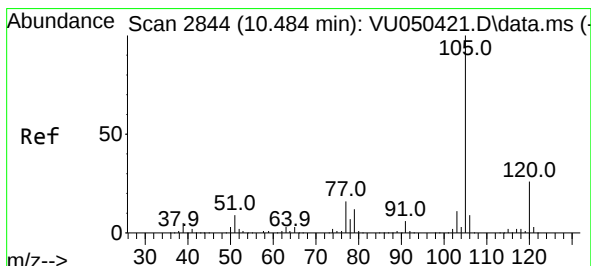
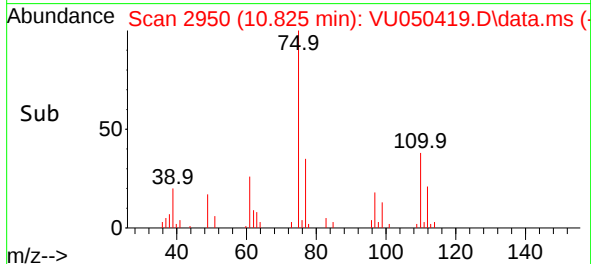
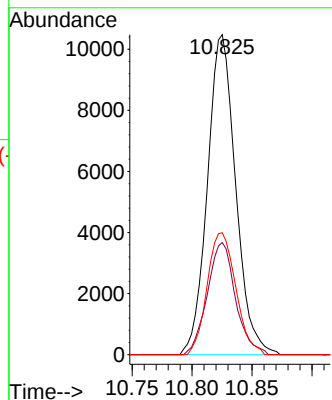
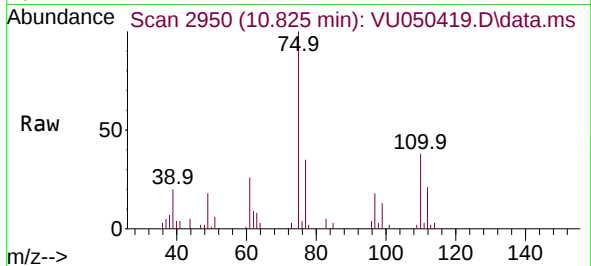




#60
1,2,3-Trichloropropane
Concen: 5.483 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

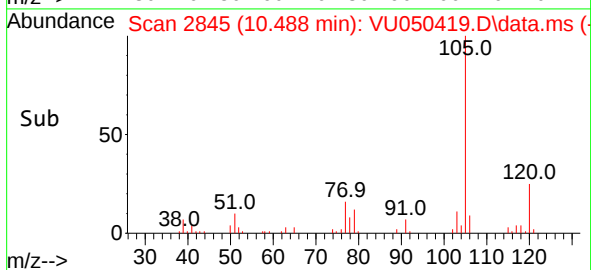
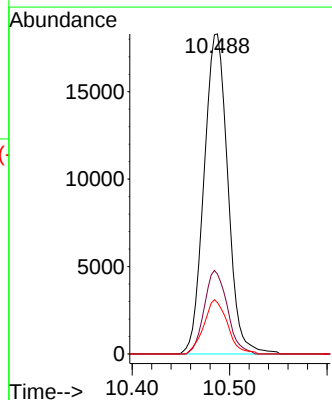
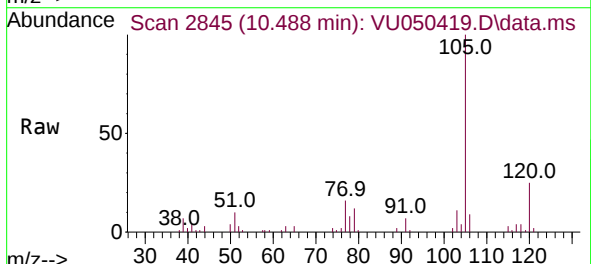
Instrument :
MSVOA_U
ClientSampleId :

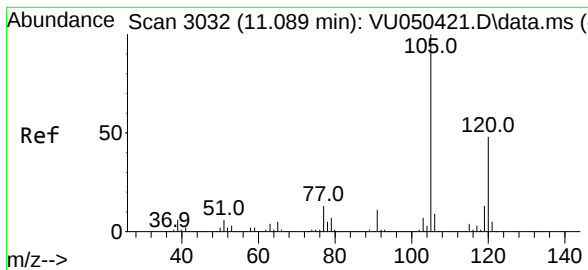
Tgt Ion: 75 Resp: 17163
Ion Ratio Lower Upper
75 100
77 35.0 25.7 38.5
110 38.6 29.0 43.4



#61
Isopropylbenzene
Concen: 3.616 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Tgt Ion: 105 Resp: 31051
Ion Ratio Lower Upper
105 100
120 25.3 20.7 31.1
77 16.8 12.5 18.7

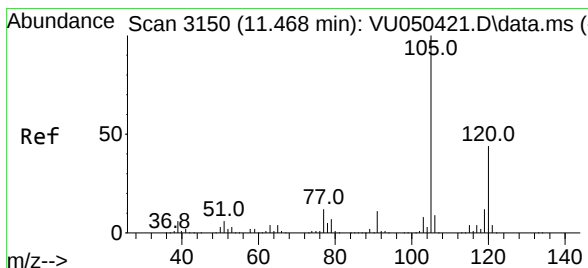
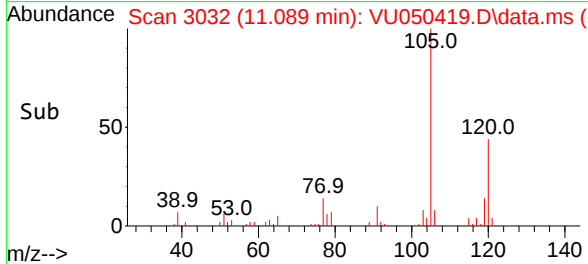
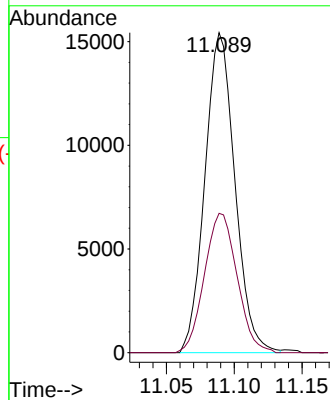
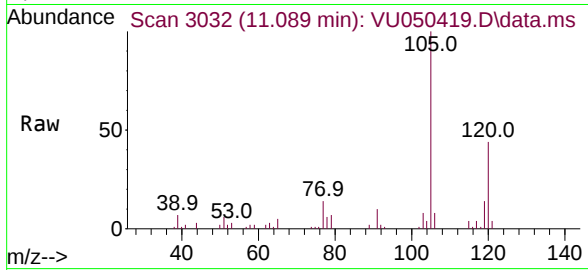




#62
 1,3,5-Trimethylbenzene
 Concen: 3.315 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU050419.D
 Acq: 24 Aug 2022 11:00

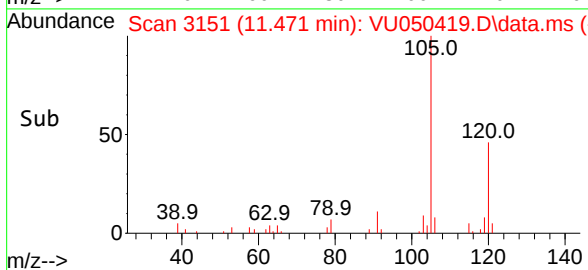
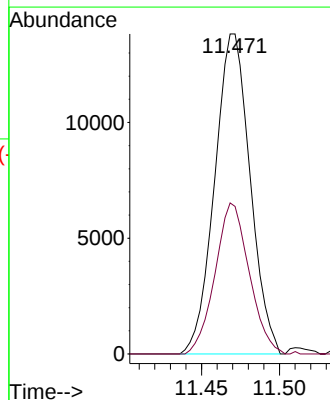
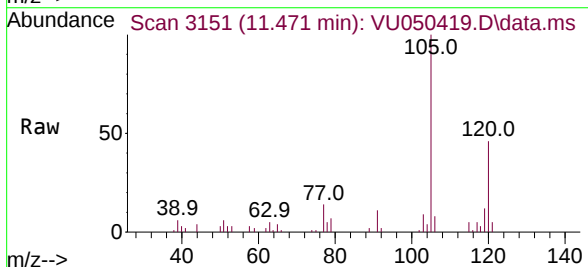
Instrument :
 MSVOA_U
 ClientSampleId :

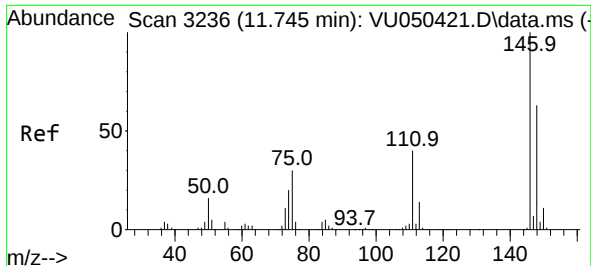
Tgt Ion:105 Resp: 23738
 Ion Ratio Lower Upper
 105 100
 120 47.4 38.1 57.1



#63
 1,2,4-Trimethylbenzene
 Concen: 3.082 ug/L
 RT: 11.471 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VU050419.D
 Acq: 24 Aug 2022 11:00

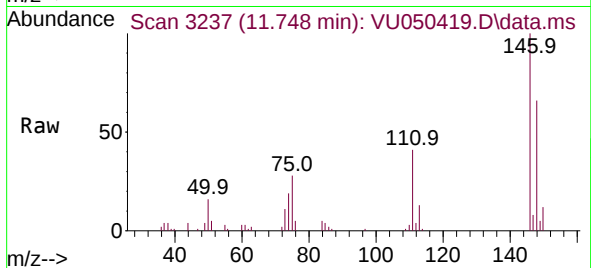
Tgt Ion:105 Resp: 21881
 Ion Ratio Lower Upper
 105 100
 120 45.4 35.3 52.9



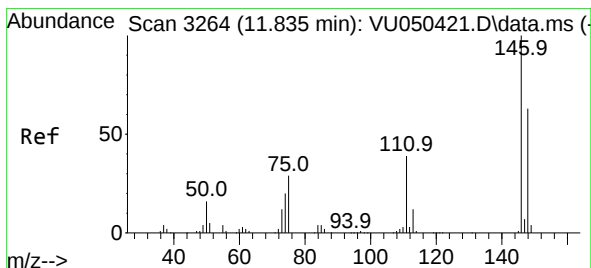
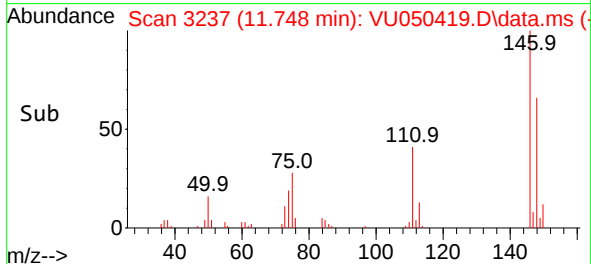
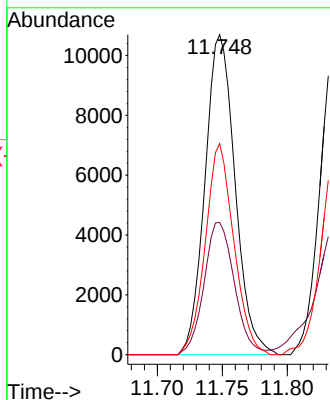


#64
1,3-Dichlorobenzene
Concen: 4.524 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Instrument :
MSVOA_U
ClientSampleId :

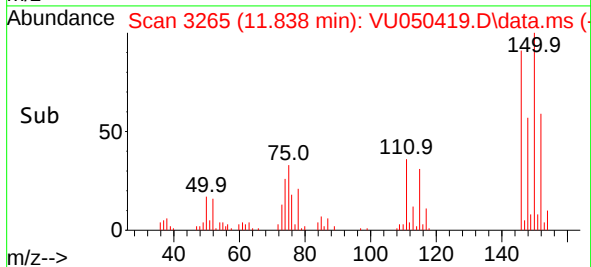
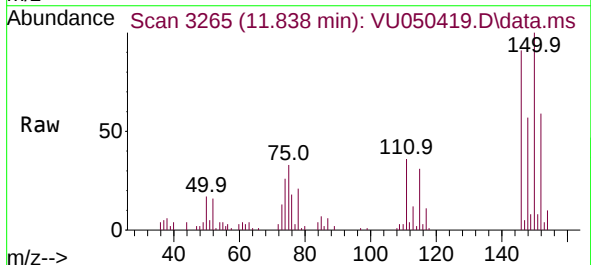
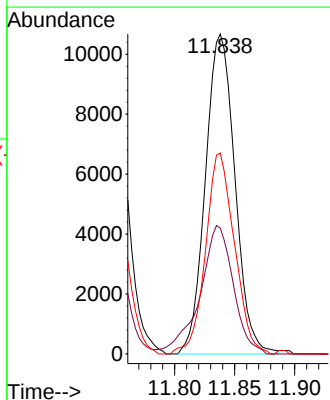


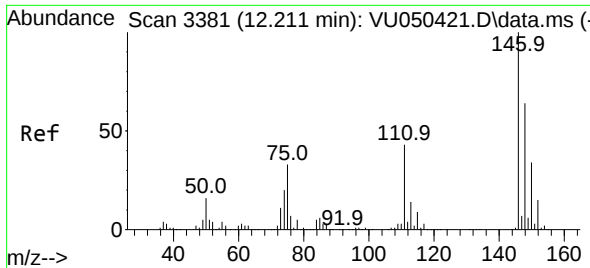
Tgt Ion:146 Resp: 17233
Ion Ratio Lower Upper
146 100
111 38.3 28.1 52.1
148 61.0 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 4.776 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Tgt Ion:146 Resp: 18277
Ion Ratio Lower Upper
146 100
111 43.8 27.6 51.2
148 71.4 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 4.637 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

ClientSampleId :

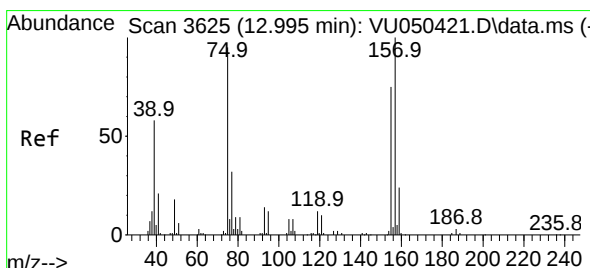
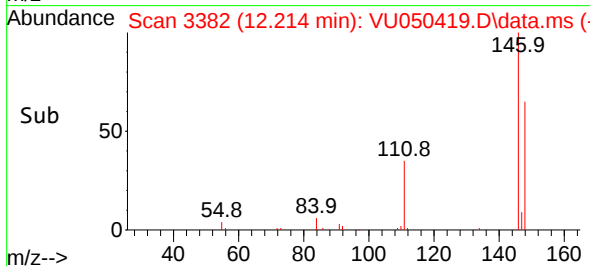
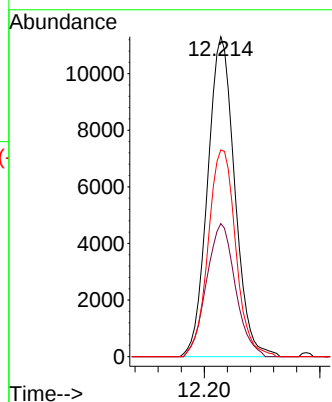
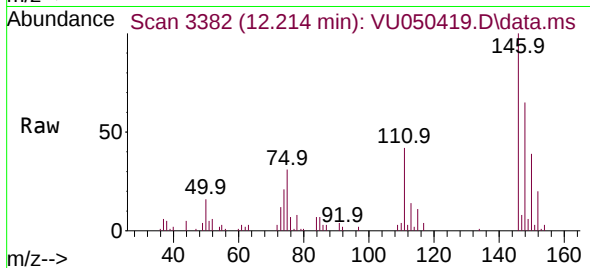
Tgt Ion:146 Resp: 18434

Ion Ratio Lower Upper

146 100

111 41.6 34.1 51.1

148 64.6 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.454 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

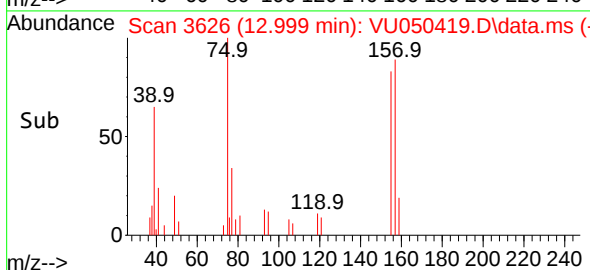
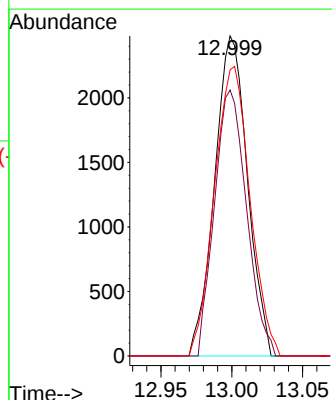
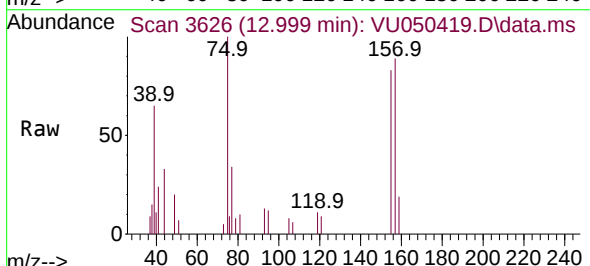
Tgt Ion: 75 Resp: 3999

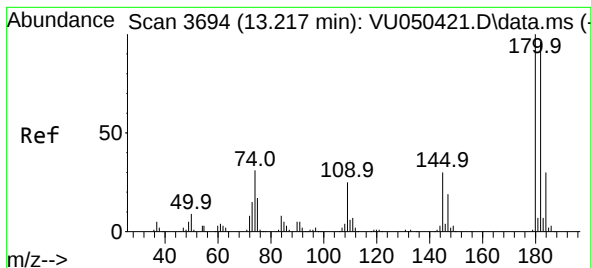
Ion Ratio Lower Upper

75 100

155 76.3 63.1 94.7

157 82.1 84.2 126.2#





#69

1,3,5-Trichlorobenzene

Concen: 3.008 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.624 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 7947

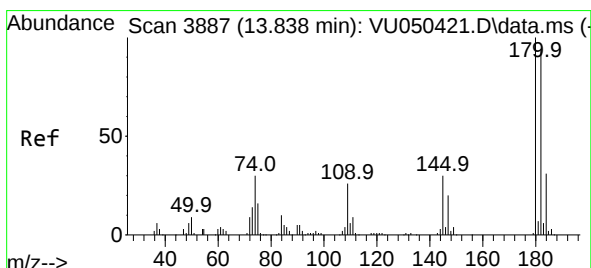
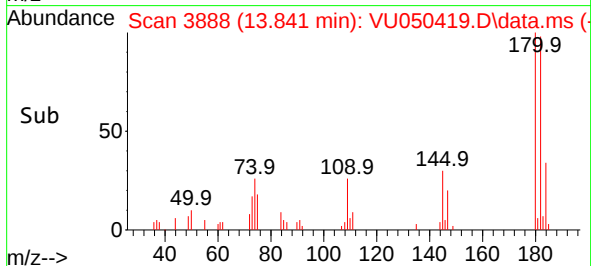
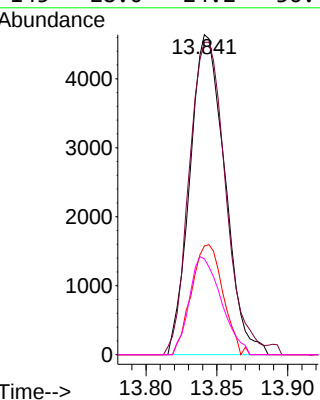
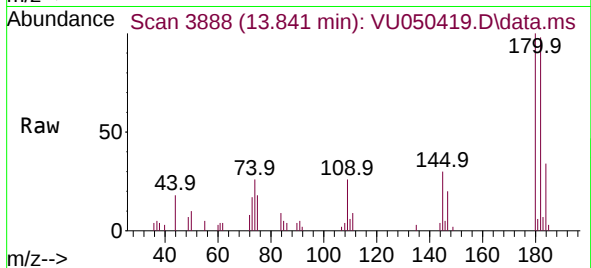
Ion Ratio Lower Upper

180 100

182 101.4 77.0 115.6

184 30.8 24.1 36.1

145 28.0 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 3.334 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.003 min

Lab File: VU050419.D

Acq: 24 Aug 2022 11:00

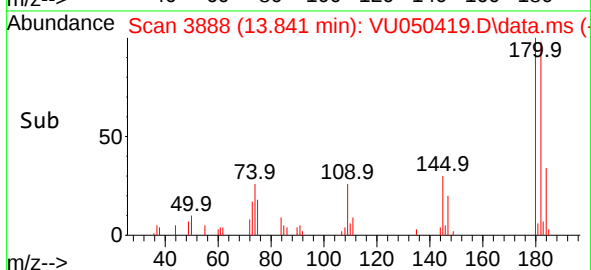
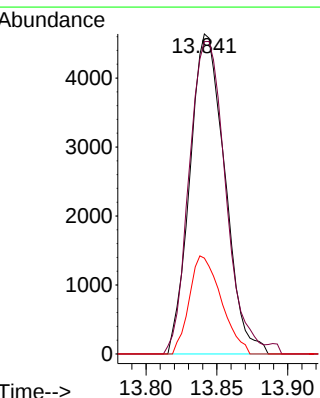
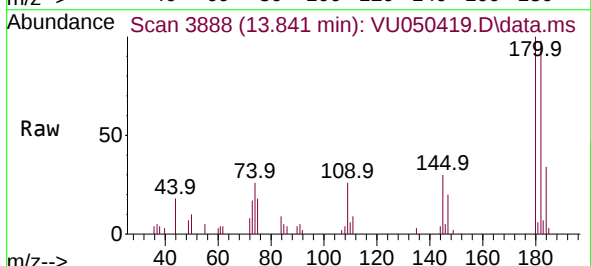
Tgt Ion:180 Resp: 7947

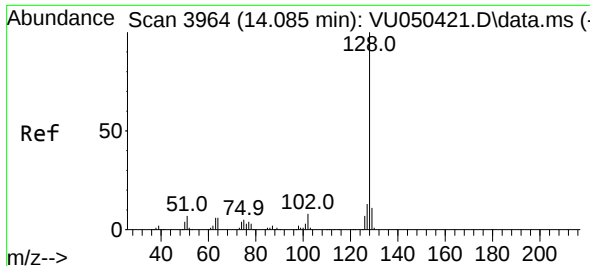
Ion Ratio Lower Upper

180 100

182 101.4 75.4 113.2

145 28.0 23.9 35.9

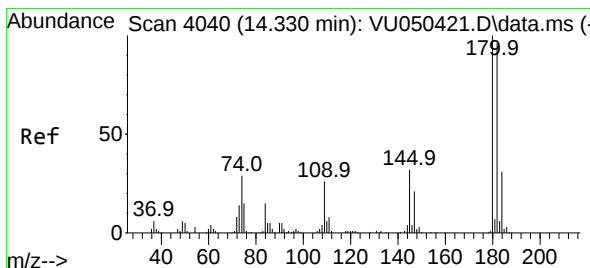
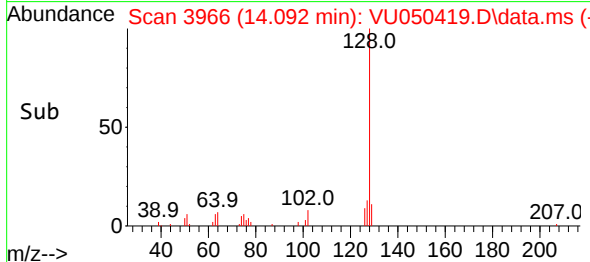
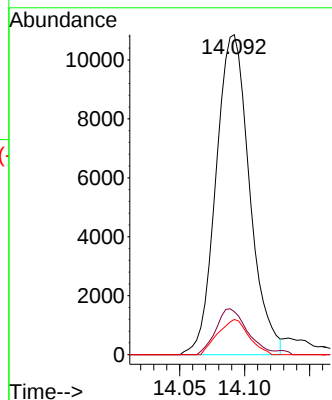
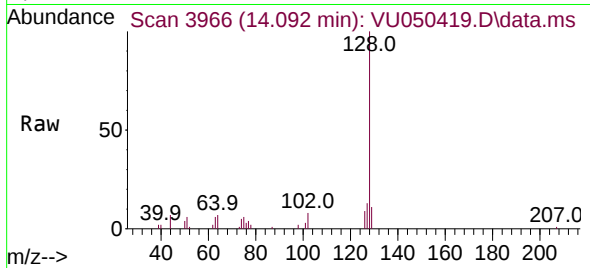




#71
Naphthalene
Concen: 2.317 ug/L
RT: 14.092 min Scan# 3964
Delta R.T. 0.007 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128	Resp:	19497
Ion Ratio	Lower	Upper
128	100	
127	13.5	10.5 15.7
129	10.1	8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 3.381 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU050419.D
Acq: 24 Aug 2022 11:00

Tgt Ion:180	Resp:	8444
Ion Ratio	Lower	Upper
180	100	
182	100.3	76.8 115.2
145	32.2	26.5 39.7

