

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082422\
 Data File : VU050420.D
 Acq On : 24 Aug 2022 11:22
 Operator : SY/MD
 Sample : VSTD01008
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010008

Quant Time: Aug 25 04:24:40 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	309803	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	314782	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	132870	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	38745	13.720	ug/L	0.00
7) Chloroethane-d5	1.909	69	30656	14.604	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	52422	11.045	ug/L	0.00
21) 2-Butanone-d5	4.633	46	44758	19.652	ug/L	0.00
24) Chloroform-d	5.063	84	59645	12.224	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	37882	11.668	ug/L	0.00
32) Benzene-d6	5.726	84	112975	11.201	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	37432	11.161	ug/L	0.00
41) Toluene-d8	7.899	98	95846	10.835	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	14756	10.458	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	22224	15.240	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	57612	11.986	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	31721	11.987	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	26299	7.574	ug/L	100
3) Chloromethane	1.520	50	31352	8.157	ug/L	99
5) Vinyl chloride	1.604	62	30020	8.527	ug/L	97
6) Bromomethane	1.851	94	10771	6.796	ug/L	98
8) Chloroethane	1.928	64	19074	9.540	ug/L	98
9) Trichlorofluoromethane	2.134	101	37712	8.645	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	22834	9.786	ug/L	96
12) 1,1-Dichloroethene	2.578	96	20040	9.276	ug/L	96
13) Acetone	2.633	43	31359	15.749	ug/L	96
14) Carbon disulfide	2.790	76	52264	7.461	ug/L	99
15) Methyl Acetate	2.954	43	29496	8.848	ug/L	97
16) Methylene chloride	3.044	84	27810	10.076	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	20280	8.600	ug/L	99
18) Methyl tert-butyl Ether	3.362	73	59819	7.530	ug/L	100
19) 1,1-Dichloroethane	3.867	63	45863	9.355	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	23696	8.831	ug/L	98
22) 2-Butanone	4.710	43	40518	14.951	ug/L	95
23) Bromochloromethane	4.977	128	13790	10.205	ug/L	95
25) Chloroform	5.089	83	48618	9.775	ug/L	97
27) 1,2-Dichloroethane	5.797	62	35769	8.605	ug/L	98
29) Cyclohexane	5.388	56	26696	5.887	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	37940	8.664	ug/L	99
31) Carbon tetrachloride	5.523	117	30588	8.538	ug/L	99
33) Benzene	5.774	78	96140	8.360	ug/L	100
34) Trichloroethene	6.542	95	23803	8.623	ug/L	96
35) Methylcyclohexane	6.761	83	28863	6.826	ug/L	97
37) 1,2-Dichloropropane	6.790	63	28516	8.956	ug/L	98
38) Bromodichloromethane	7.105	83	35795	8.994	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	32093	7.523	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	66548	13.238	ug/L	95
42) Toluene	7.970	91	93012	8.107	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	30665	7.600	ug/L	97

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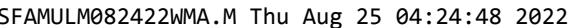
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 ClientSampleId :
 VSTD010008

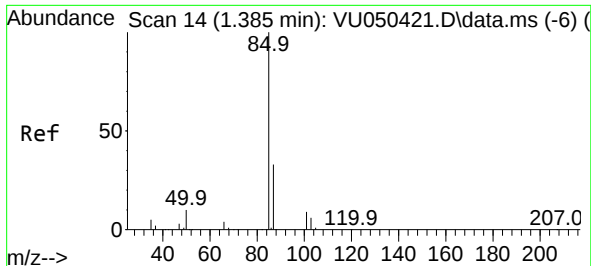
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 25 04:23:24 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	27695	9.696	ug/L	99
46) Tetrachloroethene	8.552	164	17084	8.864	ug/L	96
48) 2-Hexanone	8.687	43	50925	12.501	ug/L	96
49) Dibromochloromethane	8.809	129	28815	10.020	ug/L	92
50) 1,2-Dibromoethane	8.922	107	27089	9.532	ug/L	95
51) Chlorobenzene	9.446	112	63163	9.025	ug/L	99
52) Ethylbenzene	9.571	91	86922	7.284	ug/L	99
53) m,p-Xylene	9.693	106	32029	7.303	ug/L	91
54) o-Xylene	10.099	106	30958	7.037	ug/L	97
55) Styrene	10.115	104	50083	6.836	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	49962	9.790	ug/L	100
59) Bromoform	10.291	173	20624	11.382	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	37360	10.590	ug/L	99
61) Isopropylbenzene	10.484	105	78006	8.061	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	57900	7.174	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	55454	6.931	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	41538	9.676	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	41161	9.544	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	43311	9.668	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	9659	9.547	ug/L	90
69) 1,3,5-Trichlorobenzene	13.221	180	27687	9.300	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	19387	7.217	ug/L	94
71) Naphthalene	14.086	128	53455	5.638	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	21864	7.769	ug/L	97

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

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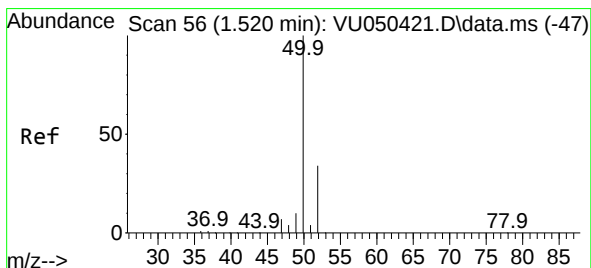
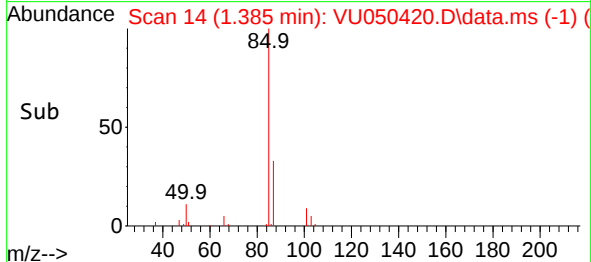
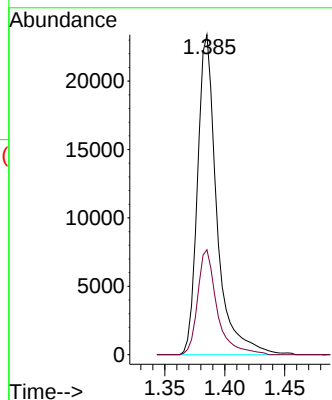
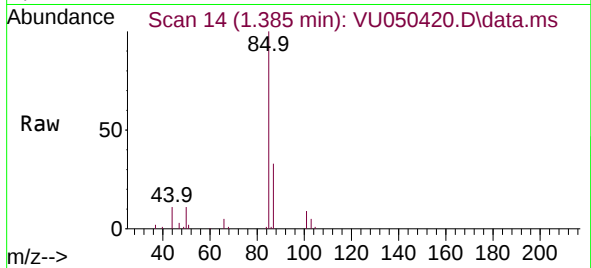




#2
Dichlorodifluoromethane
Concen: 7.574 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

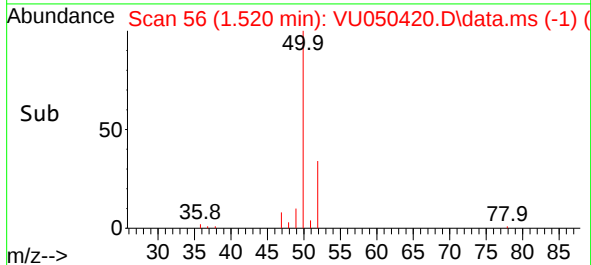
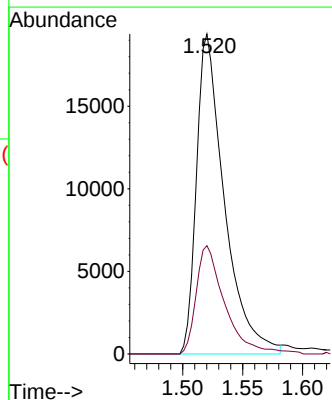
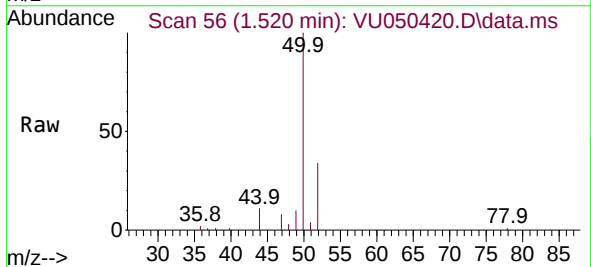
Instrument :
MSVOA_U
ClientSampleId :
VSTD010008

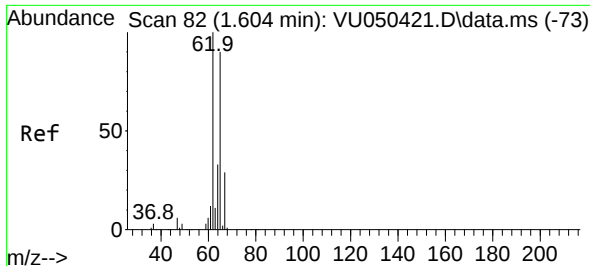
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Ion Ratio Lower Upper
85 100
87 33.0 26.2 39.4



#3
Chloromethane
Concen: 8.157 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

Tgt Ion: 50 Resp: 31352
Ion Ratio Lower Upper
50 100
52 33.9 23.4 43.6

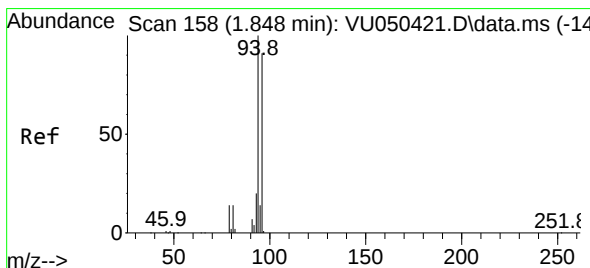
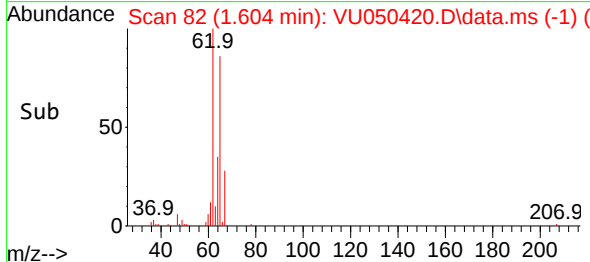
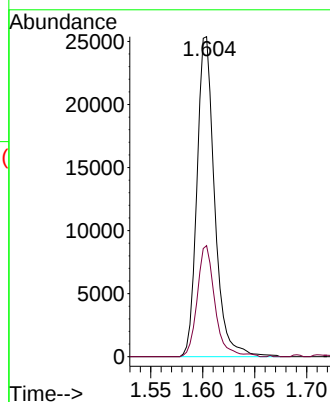
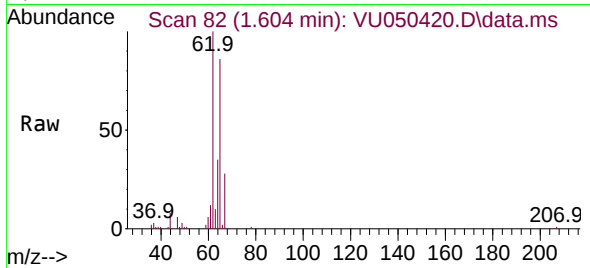




#5
 Vinyl chloride
 Concen: 8.527 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050420.D
 Acq: 24 Aug 2022 11:22

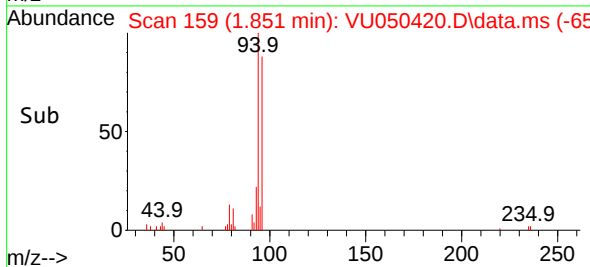
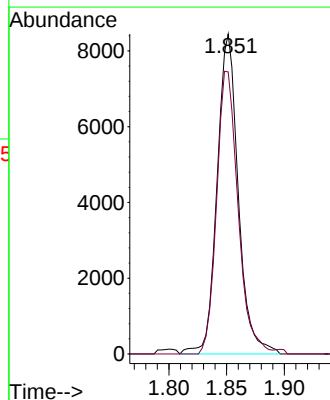
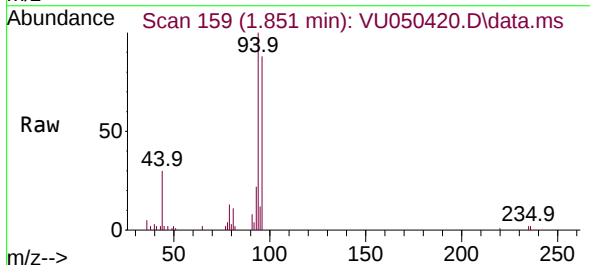
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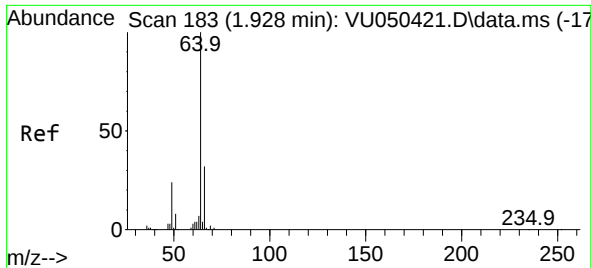
Tgt Ion: 62 Resp: 30020
 Ion Ratio Lower Upper
 62 100
 64 34.7 23.1 42.9



#6
 Bromomethane
 Concen: 6.796 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.003 min
 Lab File: VU050420.D
 Acq: 24 Aug 2022 11:22

Tgt Ion: 94 Resp: 10771
 Ion Ratio Lower Upper
 94 100
 96 88.2 63.3 117.5

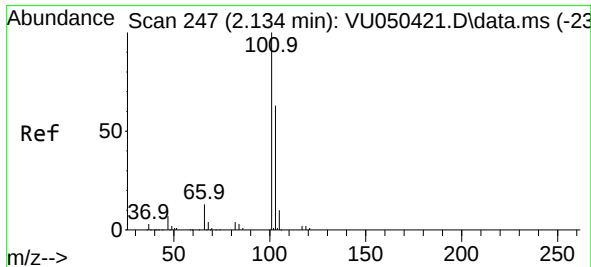
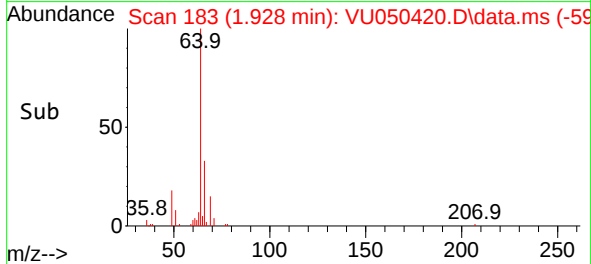
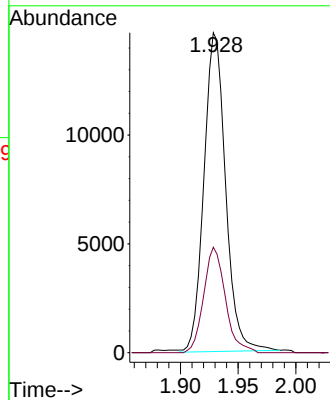
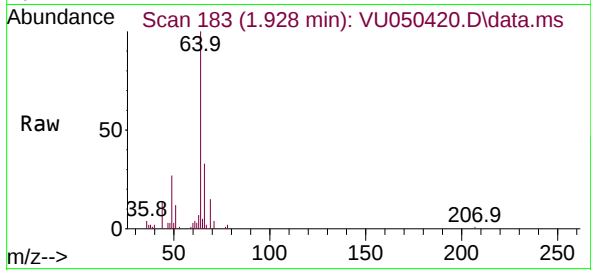




#8
Chloroethane
Concen: 9.540 ug/L
RT: 1.928 min Scan# 183
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

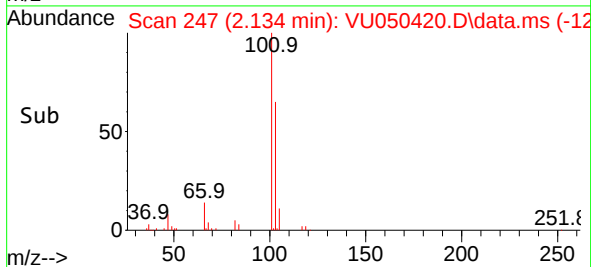
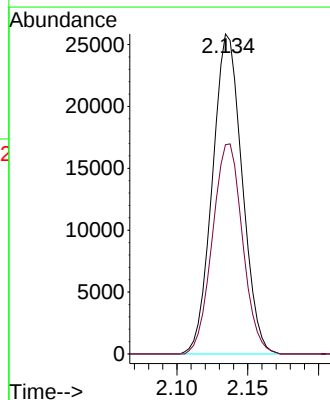
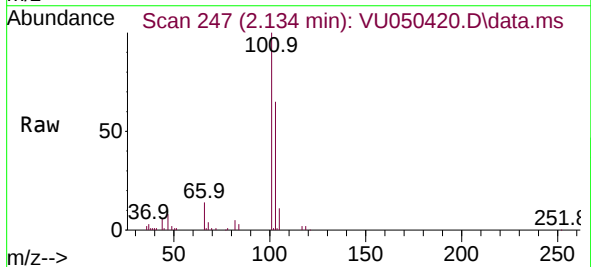
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ClientSampleId :
VSTD010008

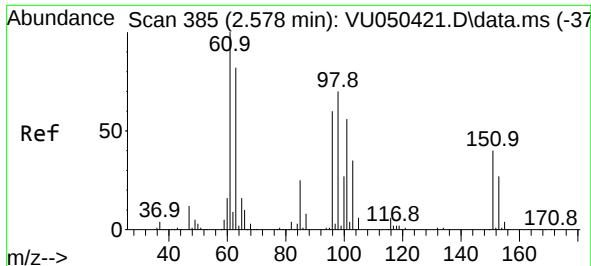
Tgt Ion: 64 Resp: 19074
Ion Ratio Lower Upper
64 100
66 32.9 22.3 41.3



#9
Trichlorofluoromethane
Concen: 8.645 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

Tgt Ion: 101 Resp: 37712
Ion Ratio Lower Upper
101 100
103 66.7 51.1 76.7

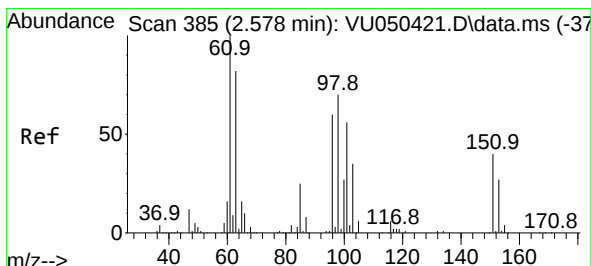
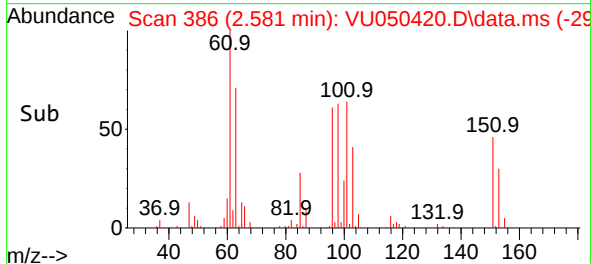
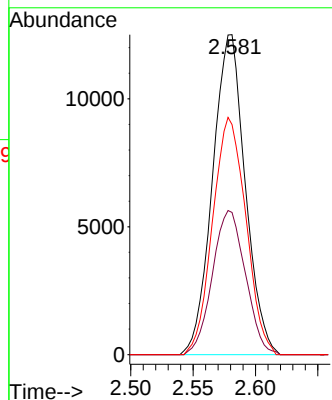
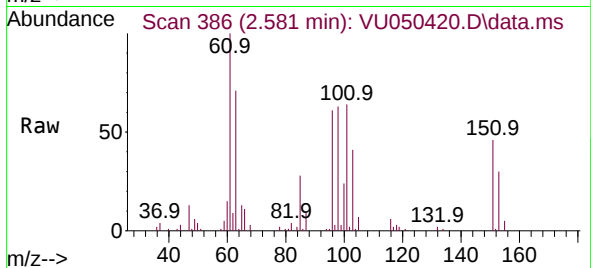




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.786 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

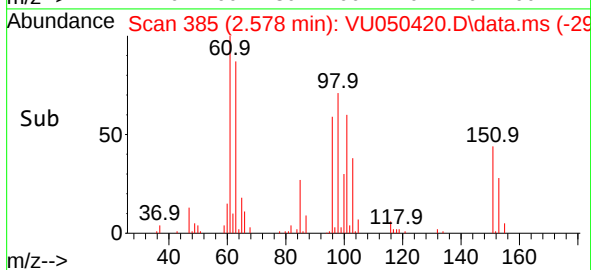
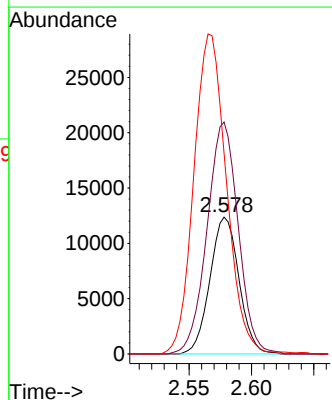
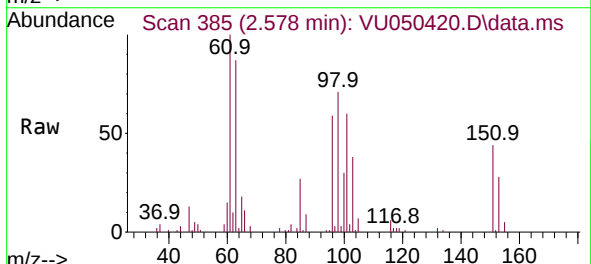
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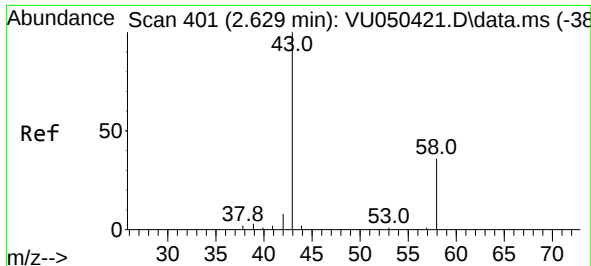
Tgt Ion:101 Resp: 22834
Ion Ratio Lower Upper
101 100
85 45.5 35.3 52.9
151 75.4 57.3 85.9



#12
1,1-Dichloroethene
Concen: 9.276 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

Tgt Ion: 96 Resp: 20040
Ion Ratio Lower Upper
96 100
61 169.6 116.8 216.8
63 146.9 97.4 180.8





#13

Acetone

Concen: 15.749 ug/L

RT: 2.633 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Instrument :

MSVOA_U

ClientSampleId :

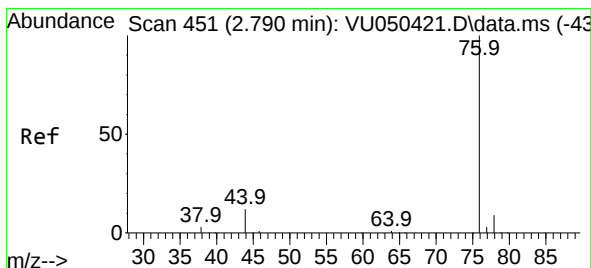
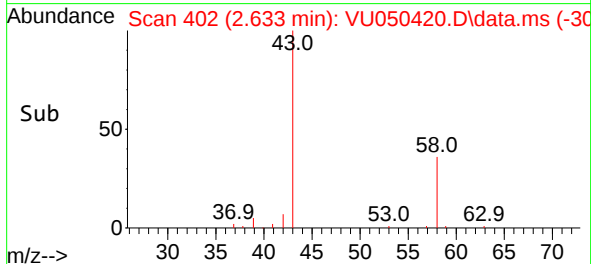
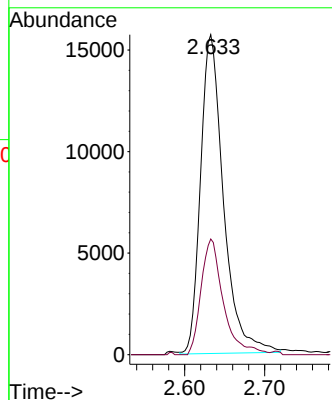
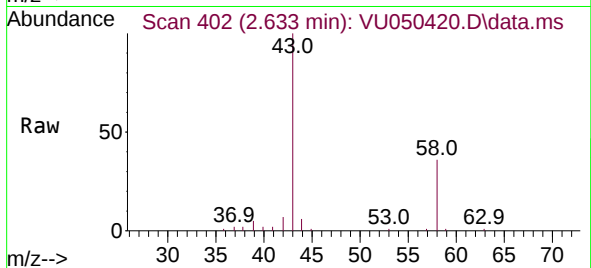
VSTD010008

Tgt Ion: 43 Resp: 31359

Ion Ratio Lower Upper

43 100

58 33.9 0.0 72.2



#14

Carbon disulfide

Concen: 7.461 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU050420.D

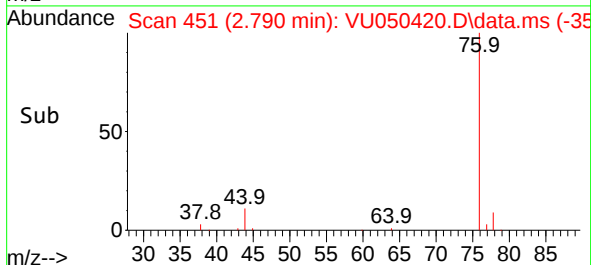
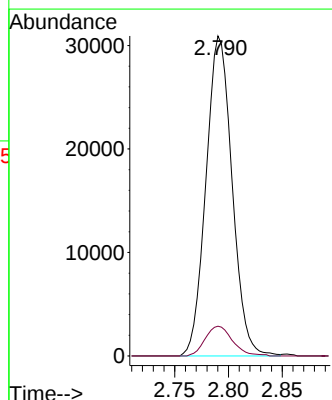
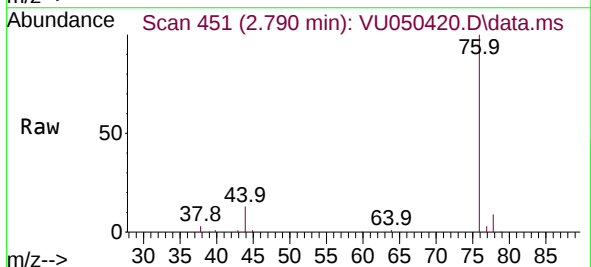
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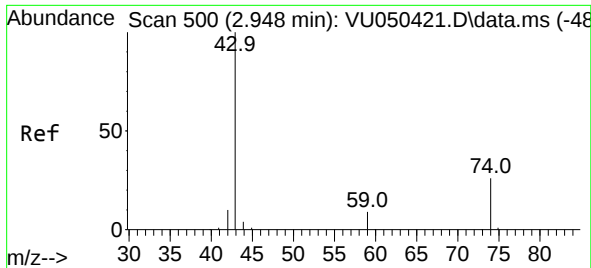
Tgt Ion: 76 Resp: 52264

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

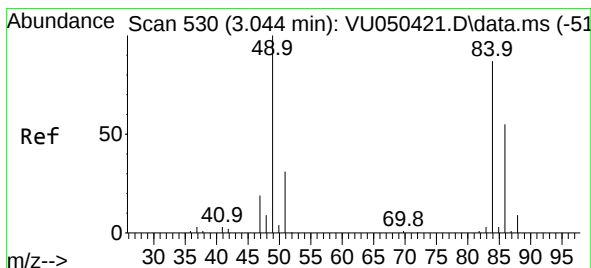
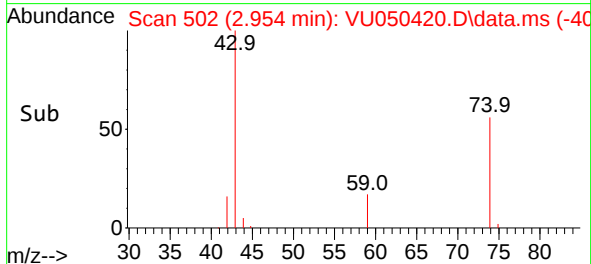
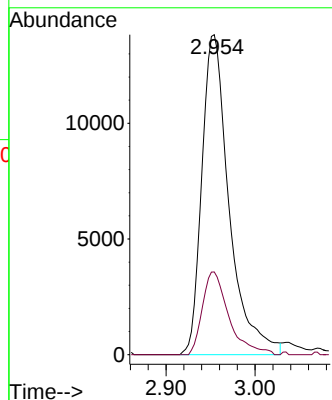
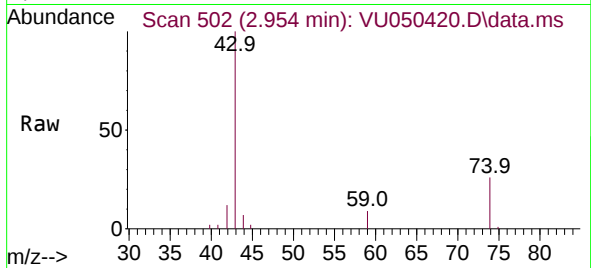




#15
Methyl Acetate
Concen: 8.848 ug/L
RT: 2.954 min Scan# 500
Delta R.T. 0.007 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

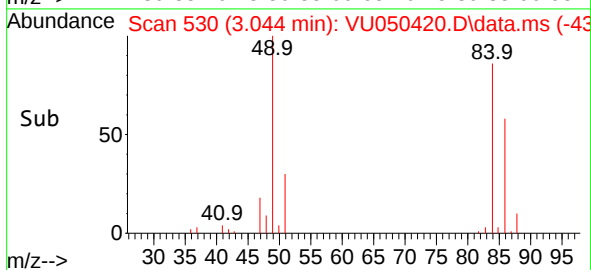
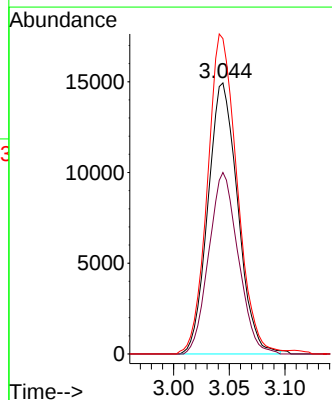
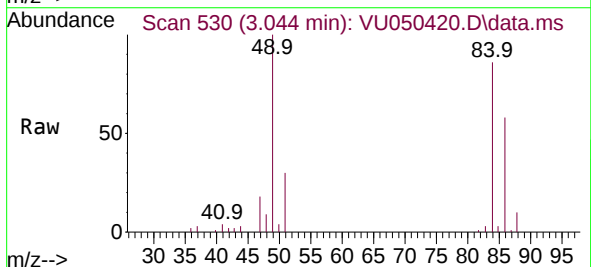
Instrument :
MSVOA_U
ClientSampleId :
VSTD010008

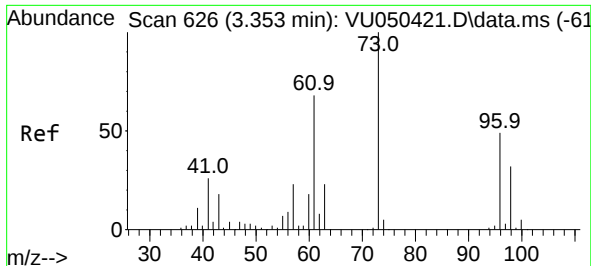
Tgt Ion: 43 Resp: 29496
Ion Ratio Lower Upper
43 100
74 25.0 21.2 31.8



#16
Methylene chloride
Concen: 10.076 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

Tgt Ion: 84 Resp: 27810
Ion Ratio Lower Upper
84 100
86 67.0 43.9 81.5
49 116.4 80.4 149.4





#17

trans-1,2-Dichloroethene

Concen: 8.600 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD010008

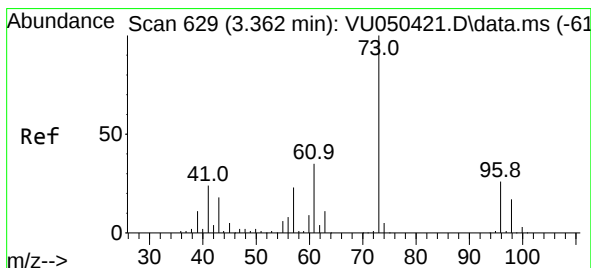
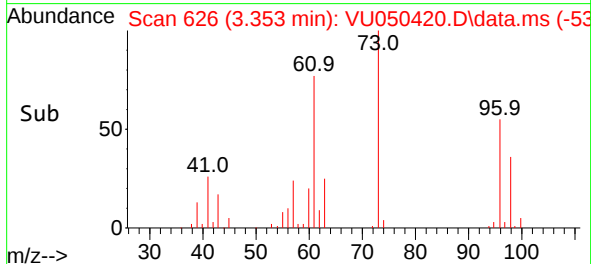
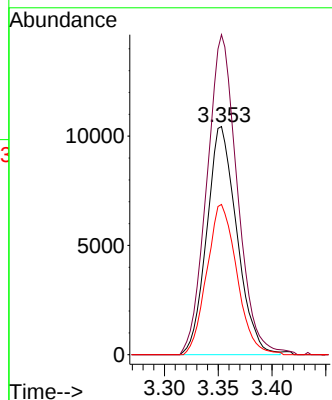
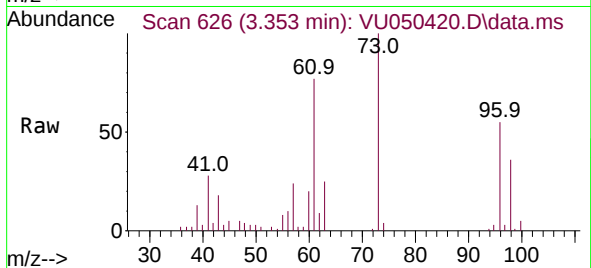
Tgt Ion: 96 Resp: 20280

Ion Ratio Lower Upper

96 100

61 140.3 98.5 182.9

98 67.5 45.7 84.9



#18

Methyl tert-butyl Ether

Concen: 7.530 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

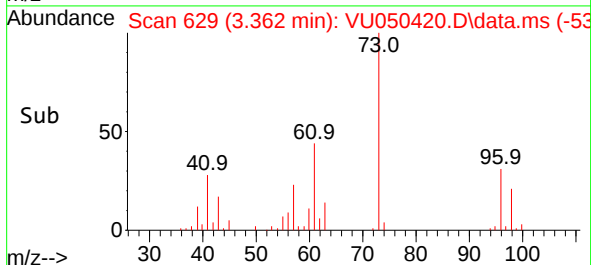
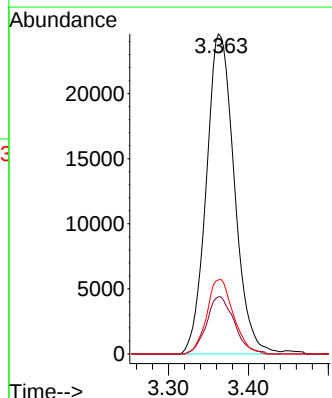
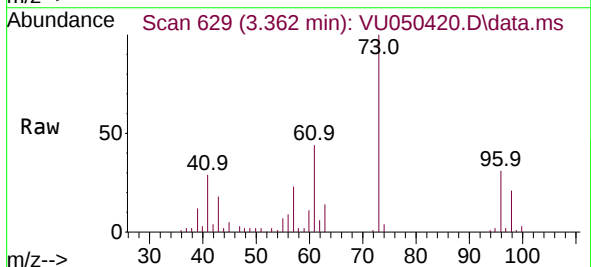
Tgt Ion: 73 Resp: 59819

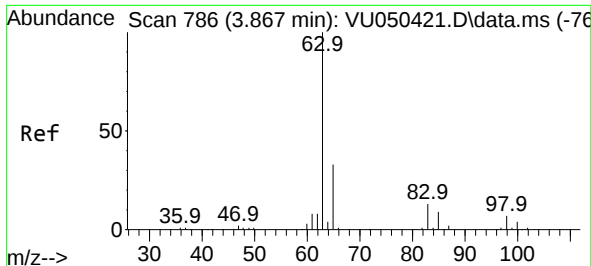
Ion Ratio Lower Upper

73 100

43 17.8 14.4 21.6

57 22.1 17.8 26.8





#19

1,1-Dichloroethane

Concen: 9.355 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD010008

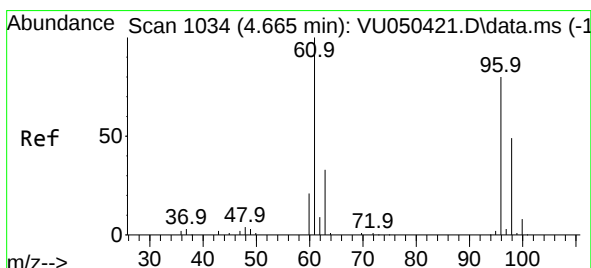
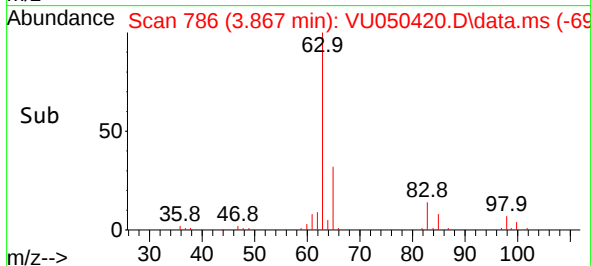
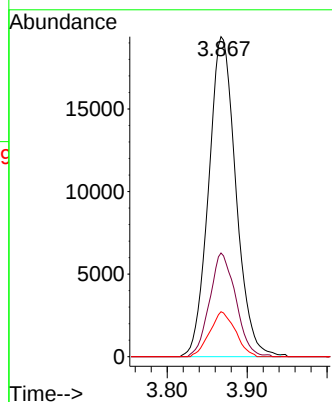
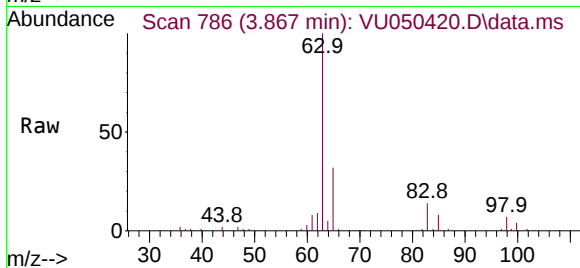
Tgt Ion: 63 Resp: 45863

Ion Ratio Lower Upper

63 100

65 32.4 23.3 43.3

83 14.1 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 8.831 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

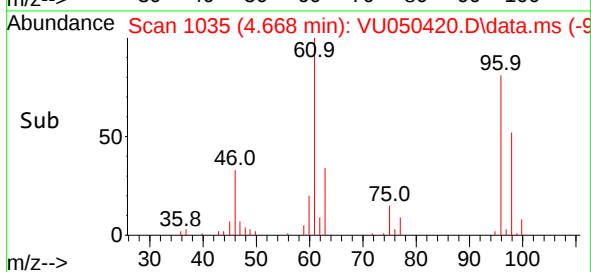
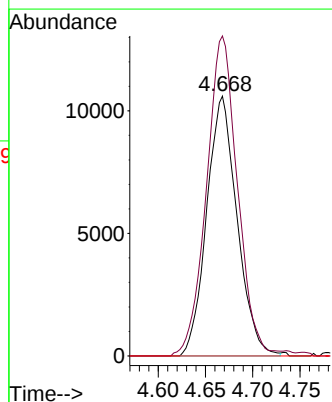
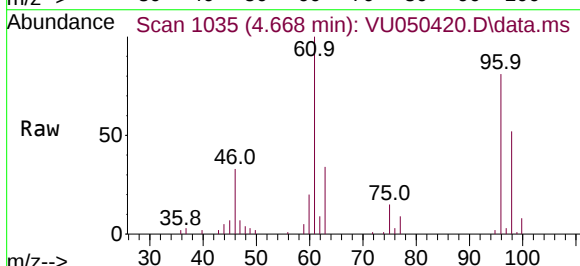
Tgt Ion: 96 Resp: 23696

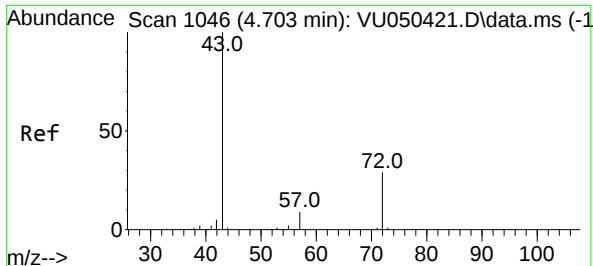
Ion Ratio Lower Upper

96 100

61 123.2 88.1 163.5

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 14.951 ug/L

RT: 4.710 min Scan# 1048

Delta R.T. 0.007 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Instrument :

MSVOA_U

ClientSampleId :

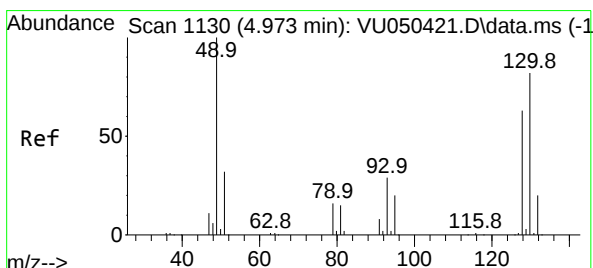
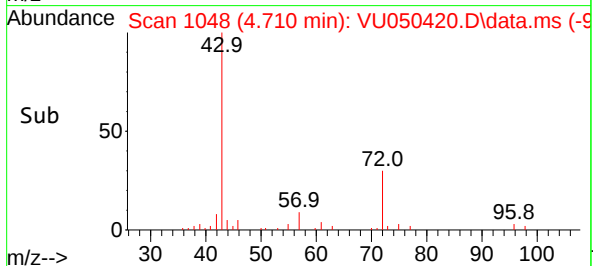
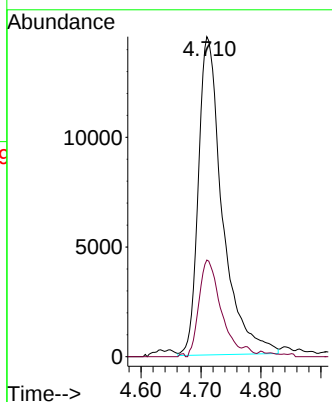
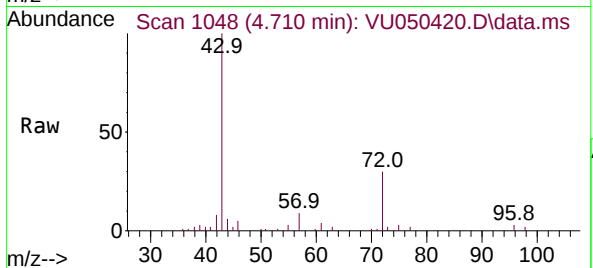
VSTD010008

Tgt Ion: 43 Resp: 40518

Ion Ratio Lower Upper

43 100

72 27.3 15.0 45.0



#23

Bromochloromethane

Concen: 10.205 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Tgt Ion:128 Resp: 13790

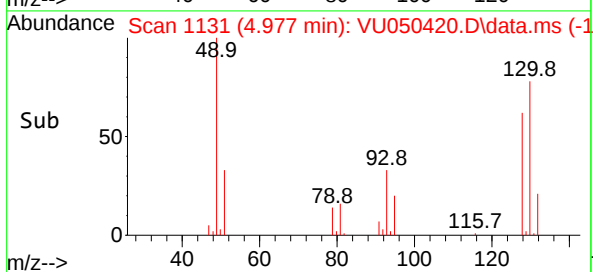
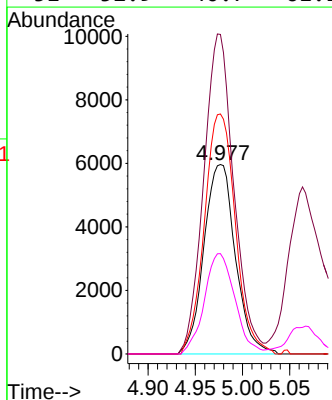
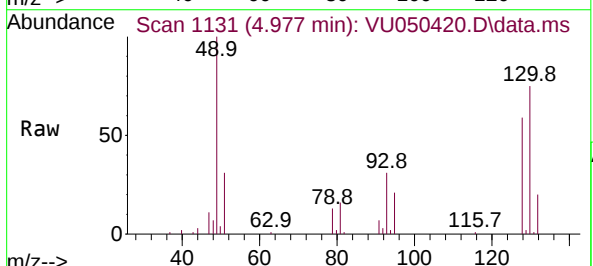
Ion Ratio Lower Upper

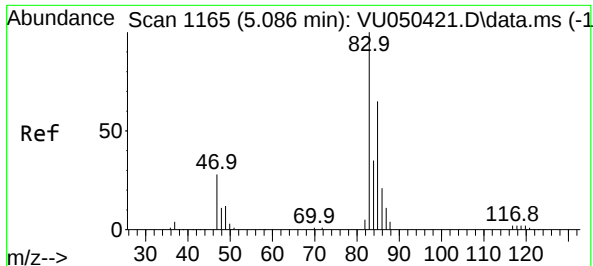
128 100

49 168.7 111.2 206.4

130 126.7 91.1 169.1

51 52.9 40.7 61.1





#25

Chloroform

Concen: 9.775 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Instrument :

MSVOA_U

ClientSampleId :

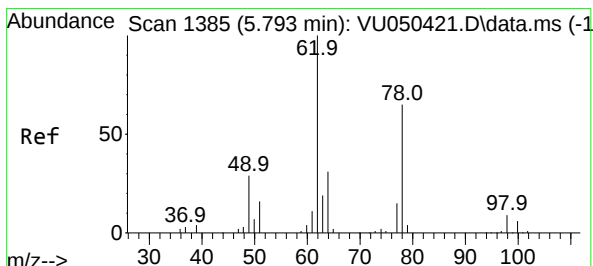
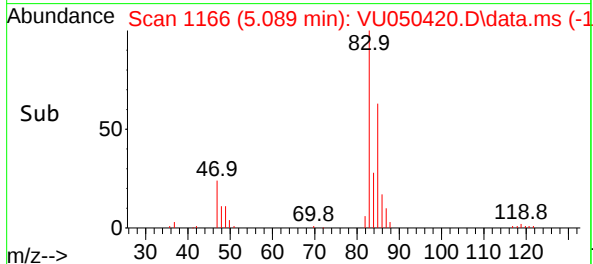
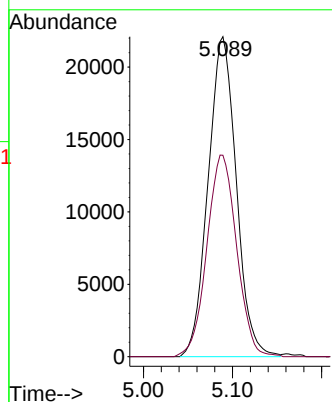
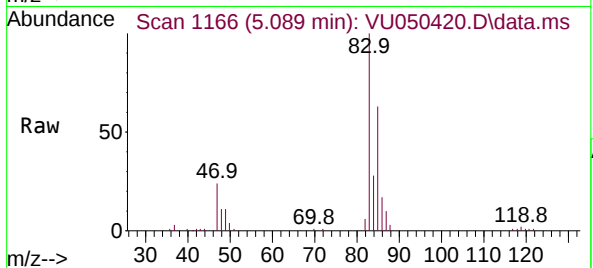
VSTD010008

Tgt Ion: 83 Resp: 48618

Ion Ratio Lower Upper

83 100

85 63.0 45.7 84.9



#27

1,2-Dichloroethane

Concen: 8.605 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU050420.D

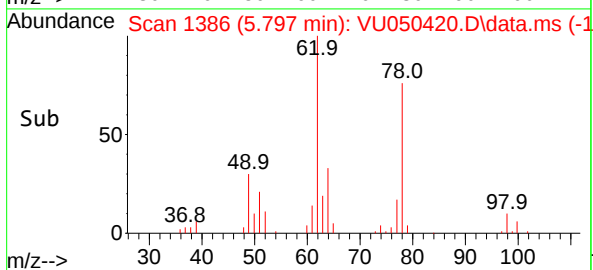
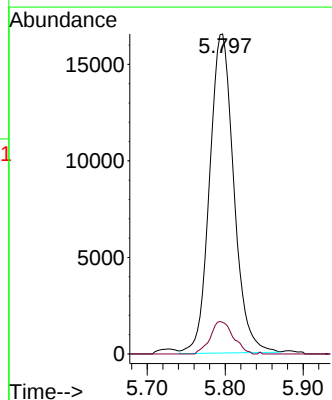
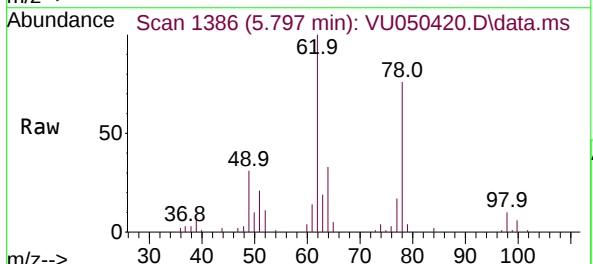
Acq: 24 Aug 2022 11:22

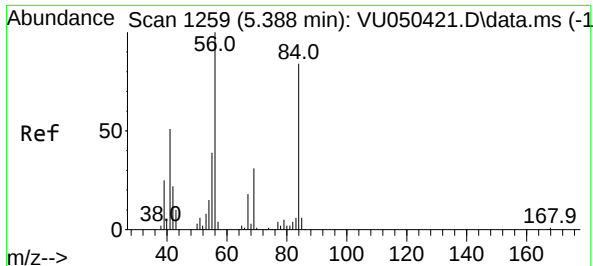
Tgt Ion: 62 Resp: 35769

Ion Ratio Lower Upper

62 100

98 9.9 7.3 10.9

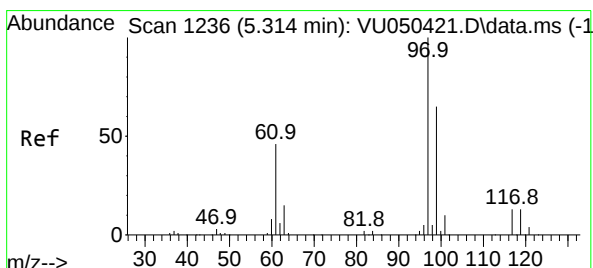
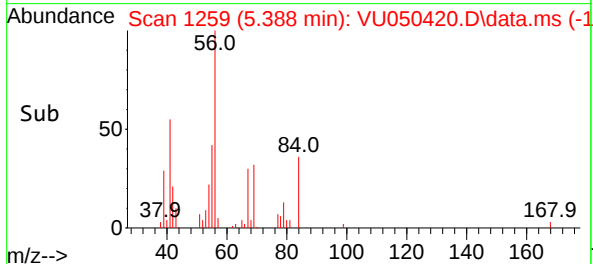
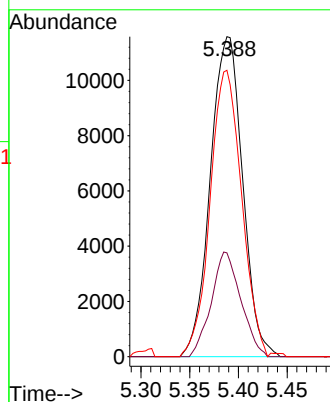
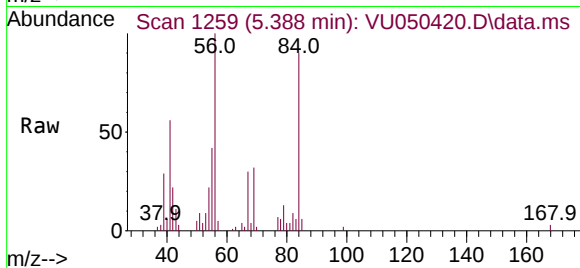




#29
Cyclohexane
Concen: 5.887 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

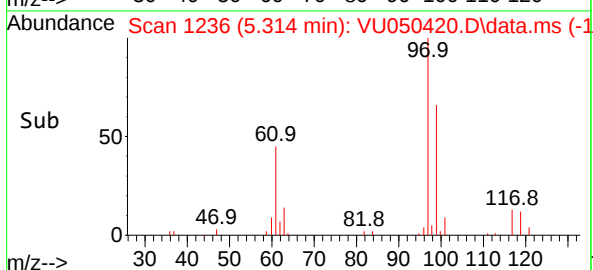
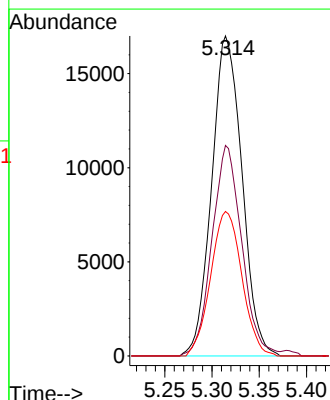
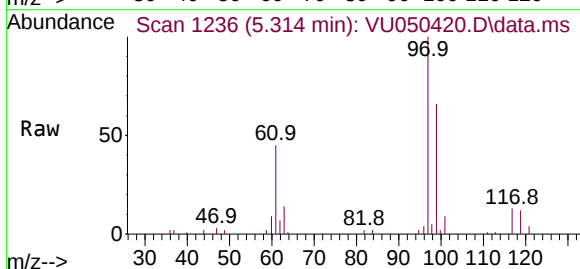
Instrument :
MSVOA_U
ClientSampleId :
VSTD010008

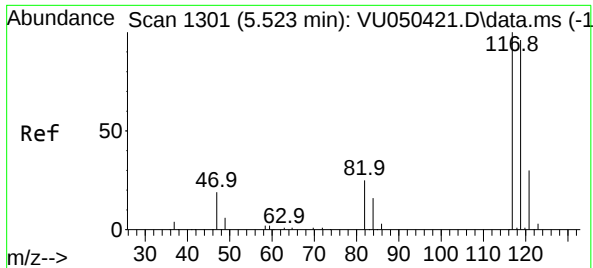
Tgt Ion:	56	Resp:	26696
Ion Ratio	Lower	Upper	
56	100		
69	29.9	24.6	36.8
84	87.2	68.8	103.2



#30
1,1,1-Trichloroethane
Concen: 8.664 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

Tgt Ion:	97	Resp:	37940
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.2	76.8
61	46.5	36.6	55.0

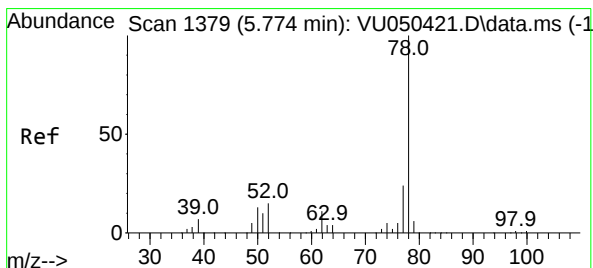
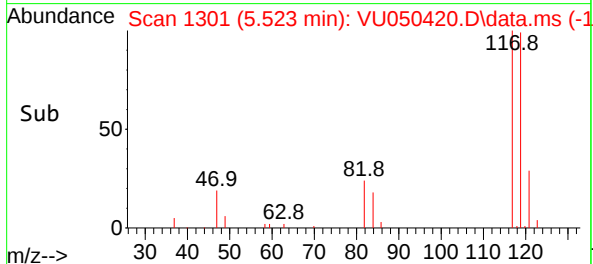
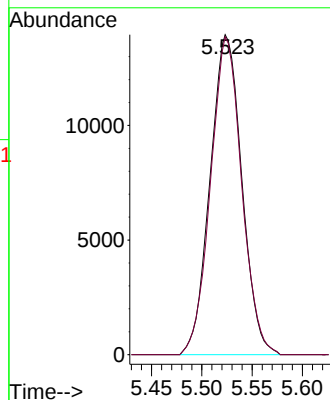
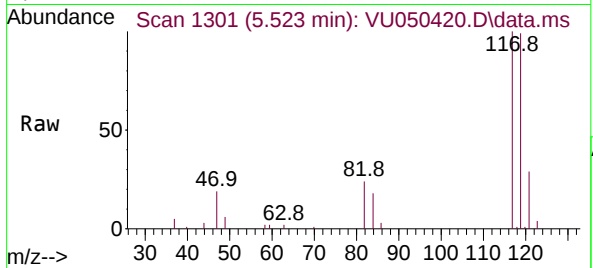




#31
Carbon tetrachloride
Concen: 8.538 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

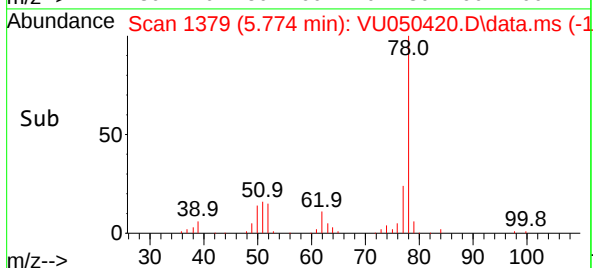
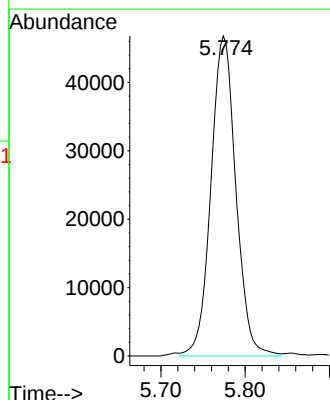
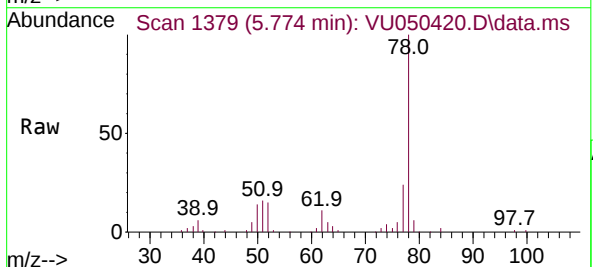
Instrument :
MSVOA_U
ClientSampleId :
VSTD010008

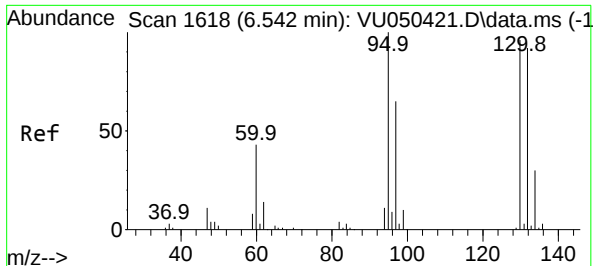
Tgt Ion:117 Resp: 30588
Ion Ratio Lower Upper
117 100
119 97.2 76.9 115.3



#33
Benzene
Concen: 8.360 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

Tgt Ion: 78 Resp: 96140

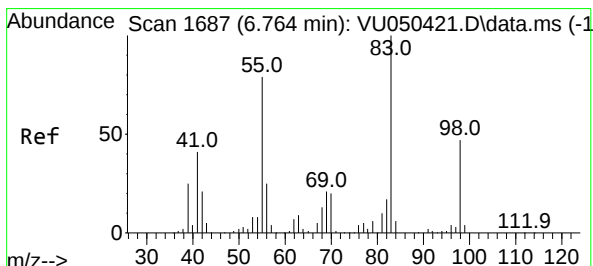
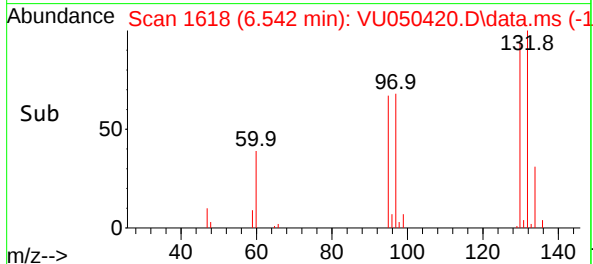
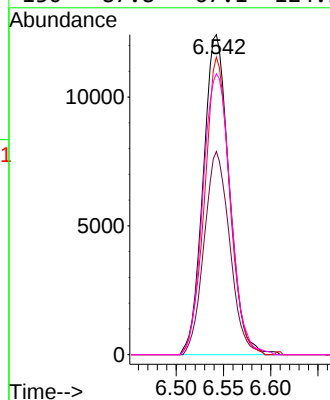
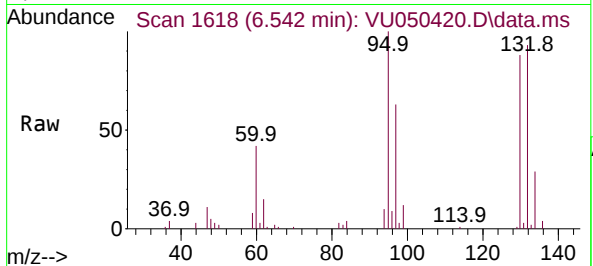




#34
Trichloroethene
Concen: 8.623 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

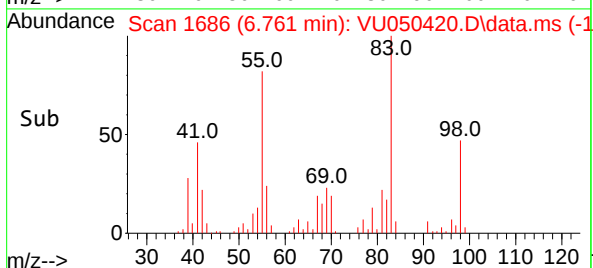
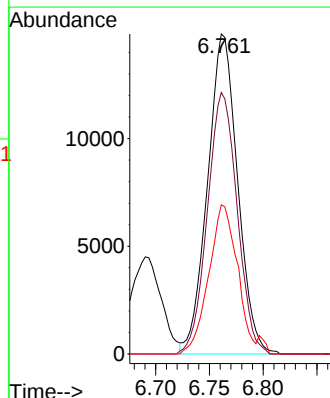
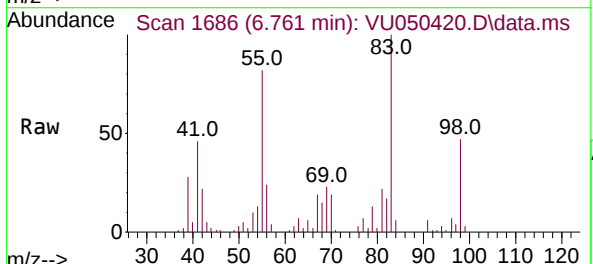
Instrument :
MSVOA_U
ClientSampleId :
VSTD010008

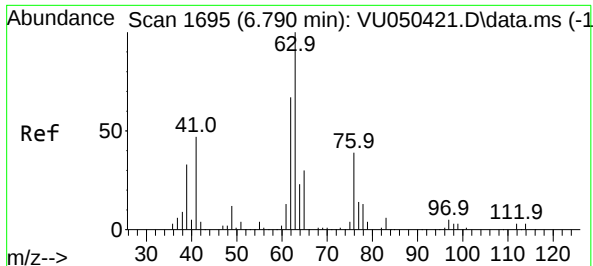
Tgt Ion: 95 Resp: 23803
Ion Ratio Lower Upper
95 100
97 63.5 45.2 84.0
132 93.0 64.4 119.6
130 87.8 67.1 124.5



#35
Methylcyclohexane
Concen: 6.826 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

Tgt Ion: 83 Resp: 28863
Ion Ratio Lower Upper
83 100
55 80.8 61.9 92.9
98 44.4 35.8 53.8





#37

1,2-Dichloropropane

Concen: 8.956 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Instrument :

MSVOA_U

ClientSampleId :

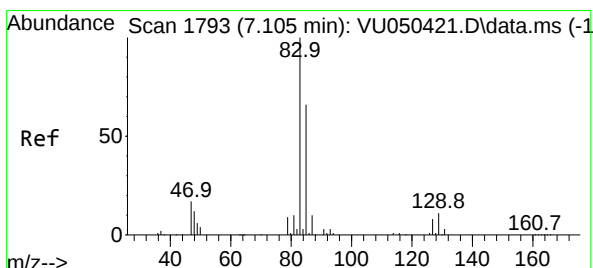
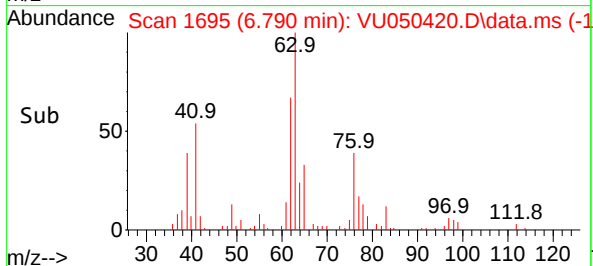
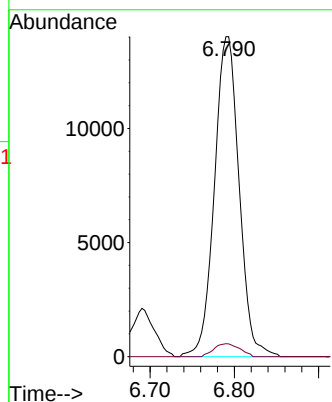
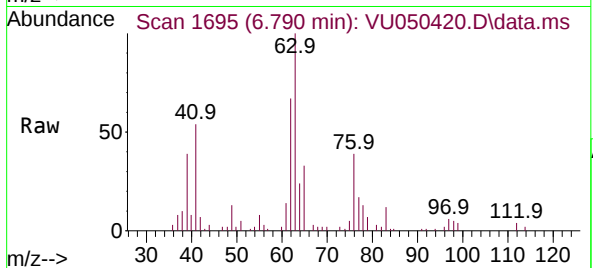
VSTD010008

Tgt Ion: 63 Resp: 28516

Ion Ratio Lower Upper

63 100

112 4.2 3.0 4.4



#38

Bromodichloromethane

Concen: 8.994 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

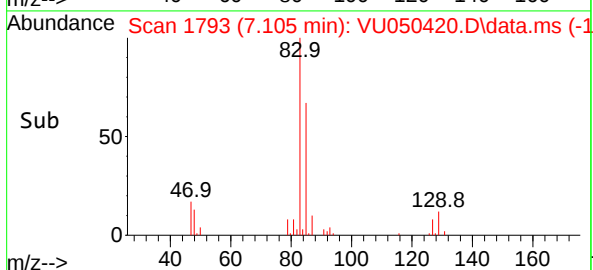
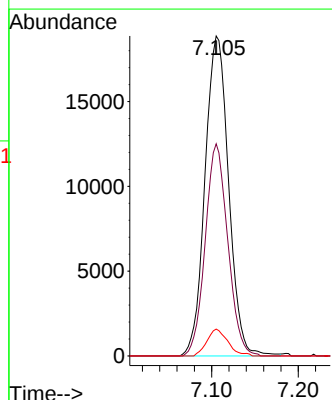
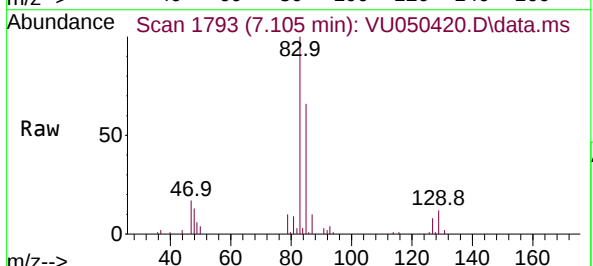
Tgt Ion: 83 Resp: 35795

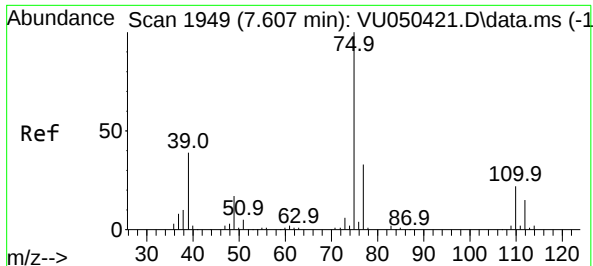
Ion Ratio Lower Upper

83 100

85 66.3 46.2 85.8

127 9.2 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 7.523 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Instrument :

MSVOA_U

ClientSampleId :

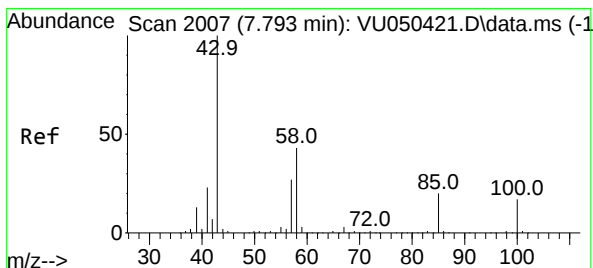
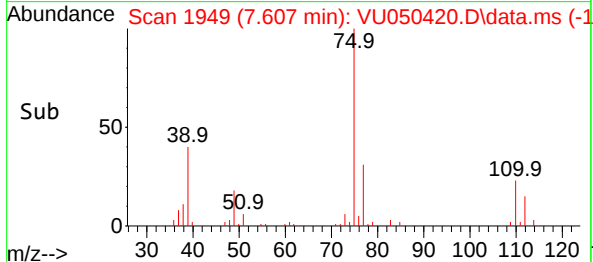
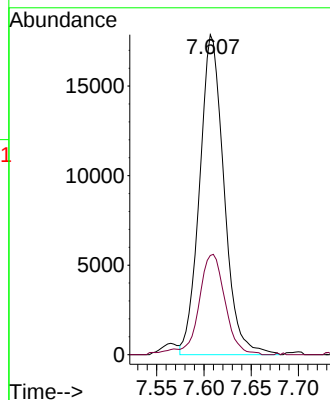
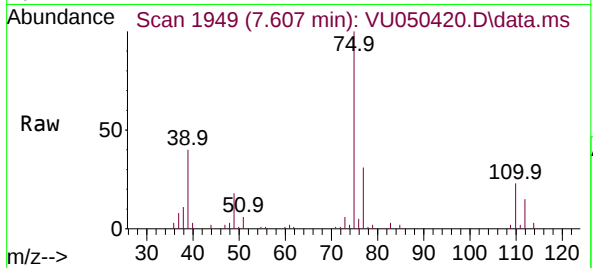
VSTD010008

Tgt Ion: 75 Resp: 32093

Ion Ratio Lower Upper

75 100

77 31.0 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 13.238 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

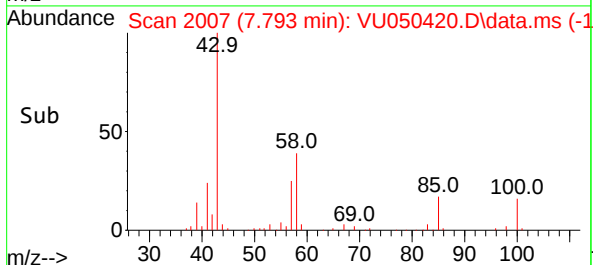
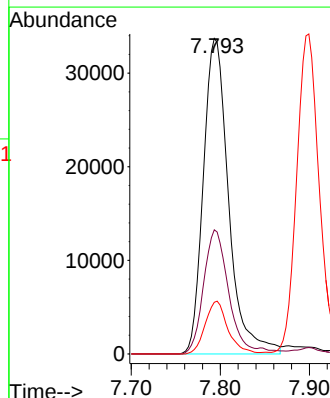
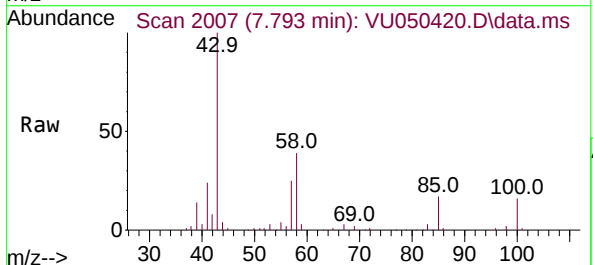
Tgt Ion: 43 Resp: 66548

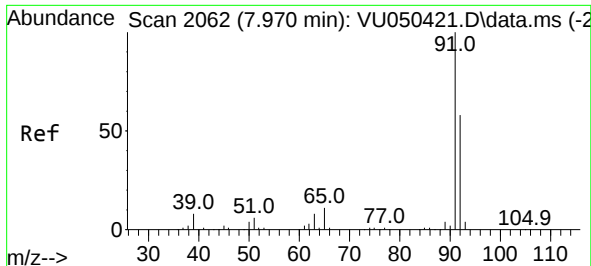
Ion Ratio Lower Upper

43 100

58 38.4 34.0 51.0

100 15.0 13.0 19.4





#42

Toluene

Concen: 8.107 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Instrument :

MSVOA_U

ClientSampleId :

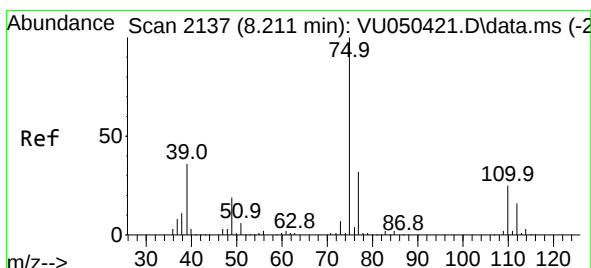
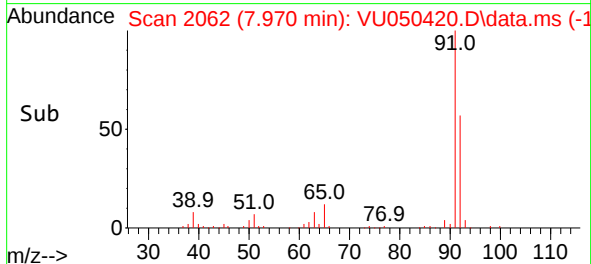
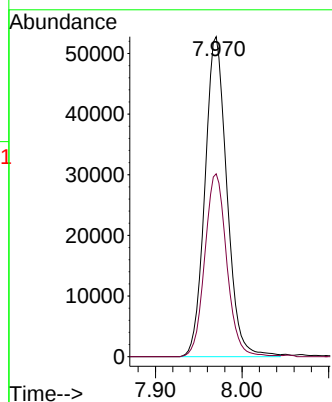
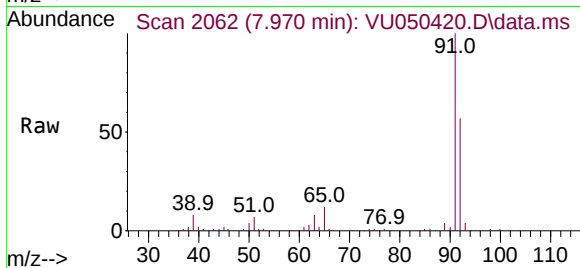
VSTD010008

Tgt Ion: 91 Resp: 93012

Ion Ratio Lower Upper

91 100

92 57.2 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 7.600 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050420.D

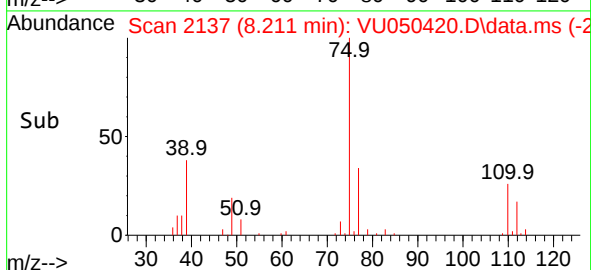
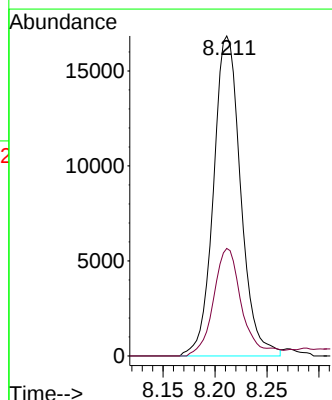
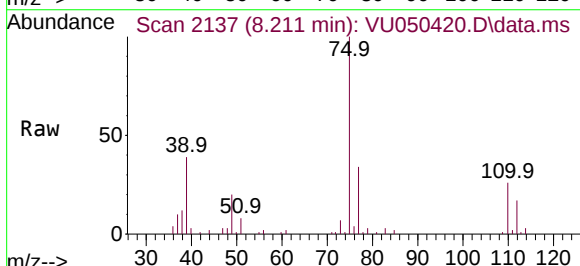
Acq: 24 Aug 2022 11:22

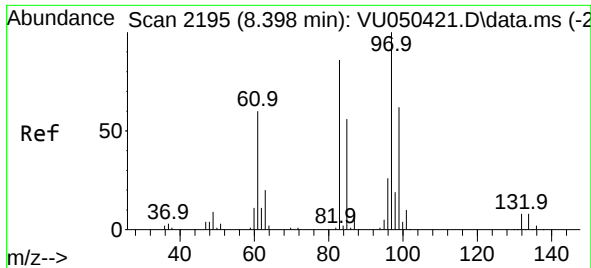
Tgt Ion: 75 Resp: 30665

Ion Ratio Lower Upper

75 100

77 33.6 22.5 41.7

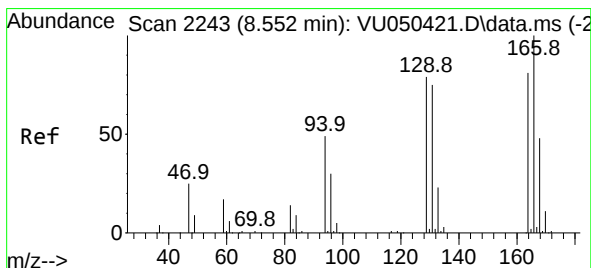
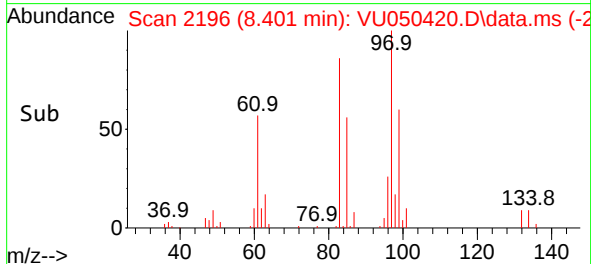
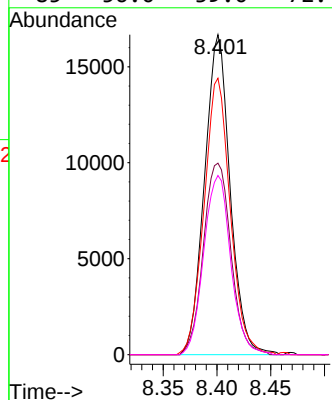
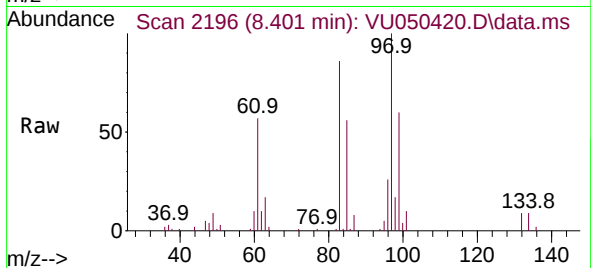




#45
1,1,2-Trichloroethane
Concen: 9.696 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

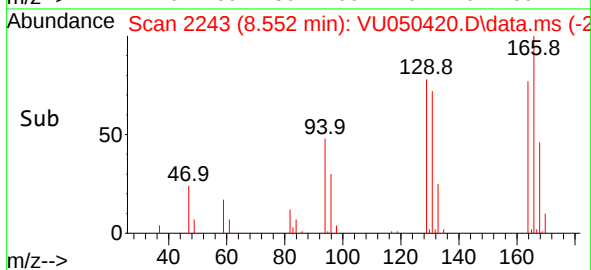
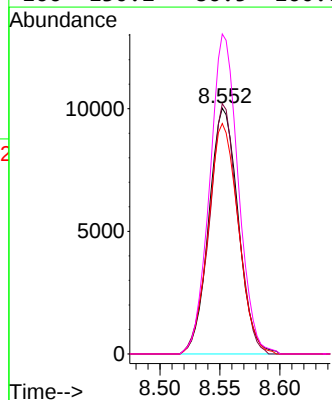
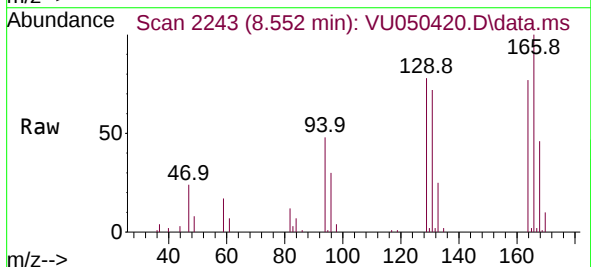
Instrument :
MSVOA_U
ClientSampleId :
VSTD010008

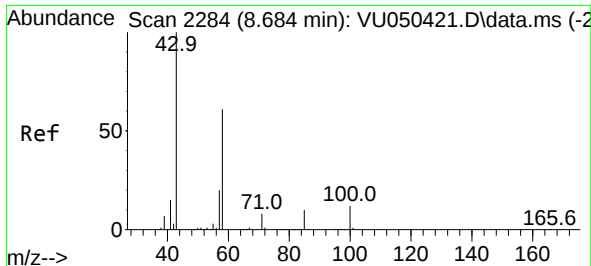
Tgt Ion:	97	Resp:	27695
Ion	Ratio	Lower	Upper
97	100		
99	59.8	43.3	80.3
83	86.4	60.3	112.1
85	56.0	39.0	72.4



#46
Tetrachloroethene
Concen: 8.864 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

Tgt Ion:	164	Resp:	17084
Ion	Ratio	Lower	Upper
164	100		
129	101.8	68.0	126.4
131	93.7	65.4	121.4
166	130.2	86.5	160.7

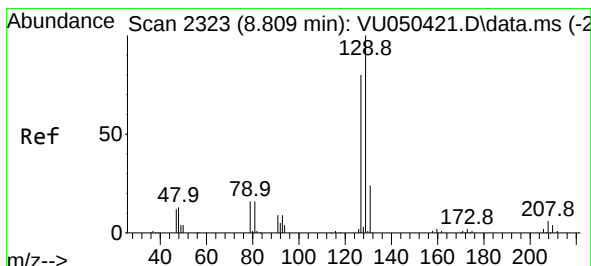
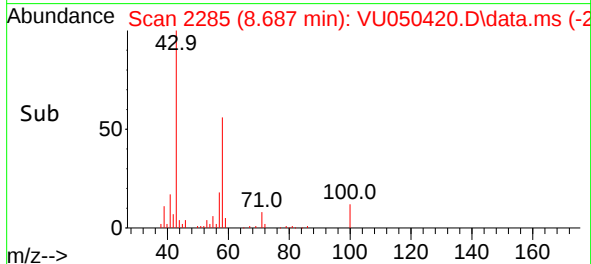
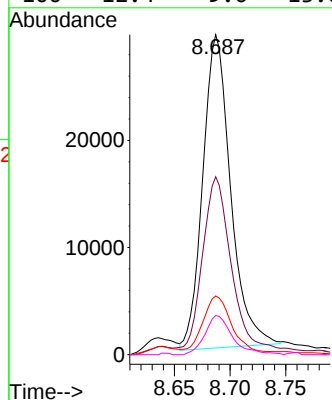
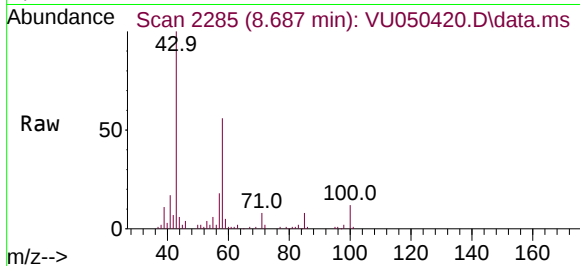




#48
2-Hexanone
Concen: 12.501 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

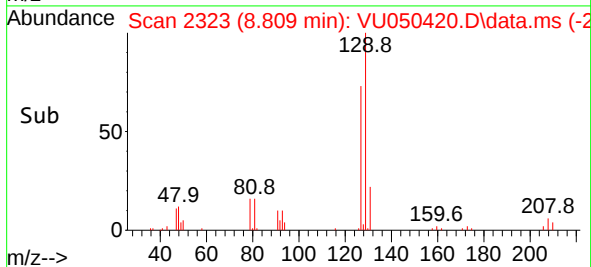
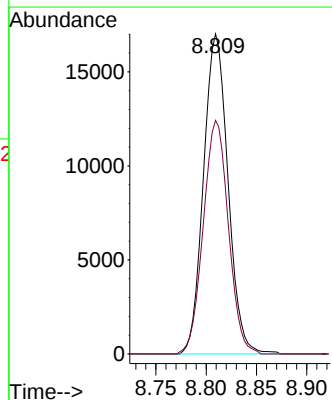
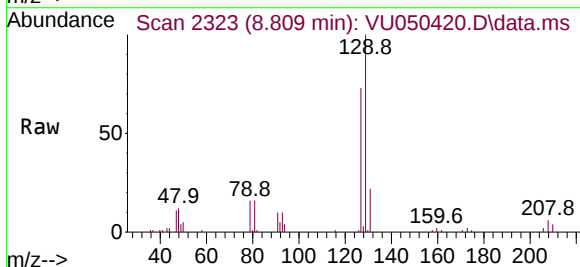
Instrument :
MSVOA_U
ClientSampleId :
VSTD010008

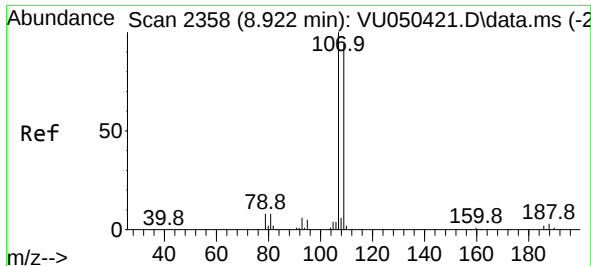
Tgt Ion: 43	Resp: 50925
Ion Ratio	Lower Upper
43 100	
58 55.8	47.9 71.9
57 18.3	15.4 23.0
100 12.4	9.0 13.6



#49
Dibromochloromethane
Concen: 10.020 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

Tgt Ion: 129	Resp: 28815
Ion Ratio	Lower Upper
129 100	
127 73.0	55.9 103.7





#50

1,2-Dibromoethane

Concen: 9.532 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD010008

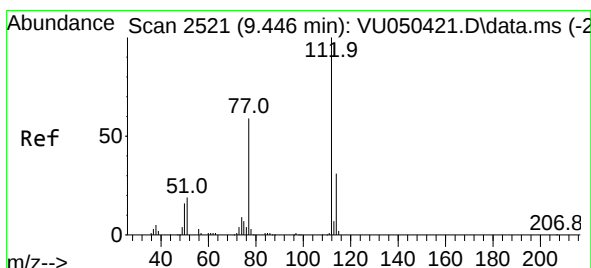
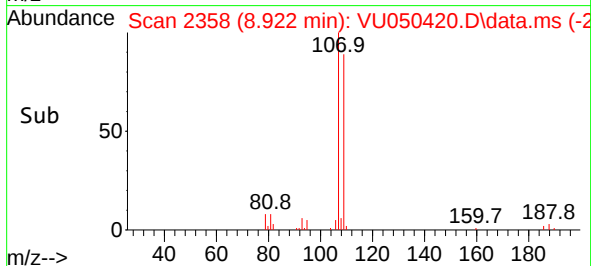
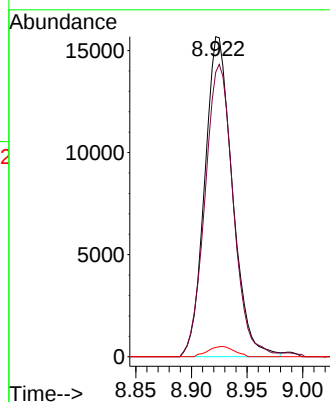
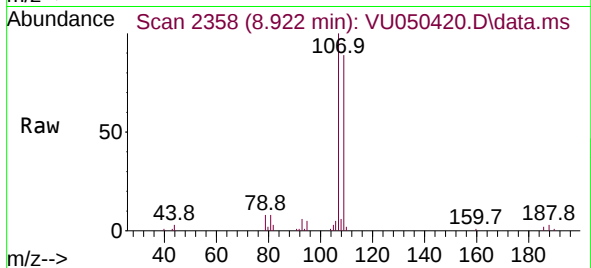
Tgt Ion:107 Resp: 27089

Ion Ratio Lower Upper

107 100

109 88.9 66.0 122.6

188 2.9 2.7 4.1



#51

Chlorobenzene

Concen: 9.025 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

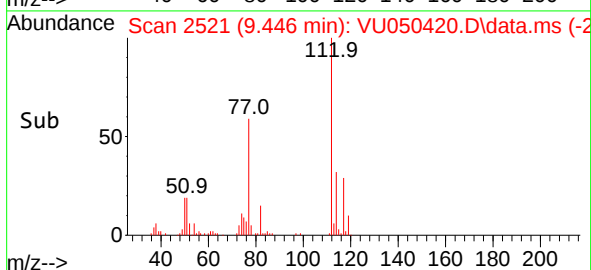
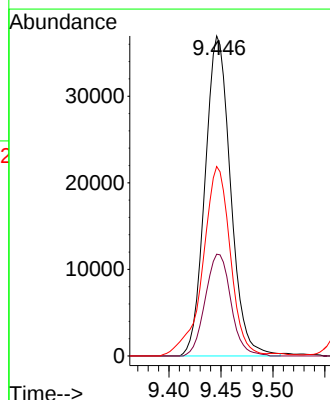
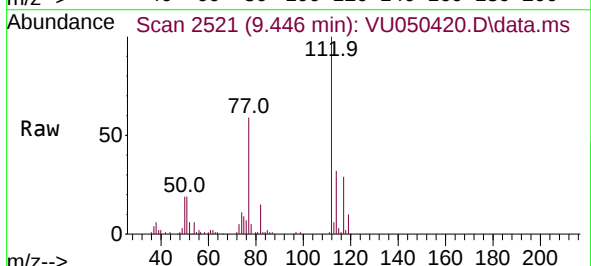
Tgt Ion:112 Resp: 63163

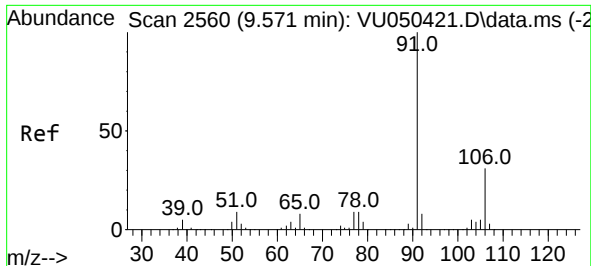
Ion Ratio Lower Upper

112 100

114 31.8 21.8 40.6

77 59.2 47.6 71.4

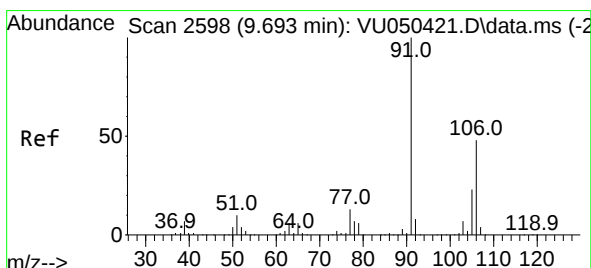
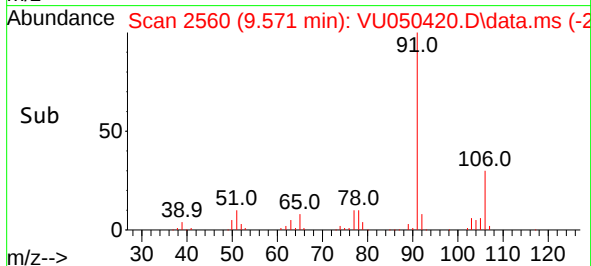
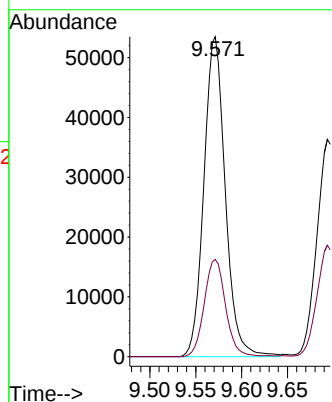
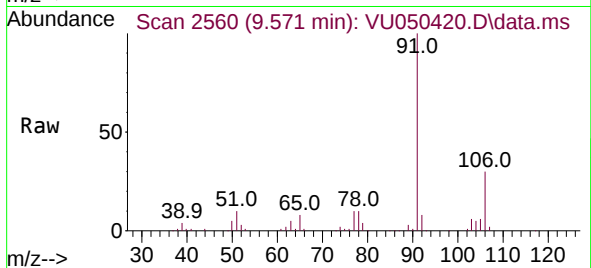




#52
Ethylbenzene
Concen: 7.284 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

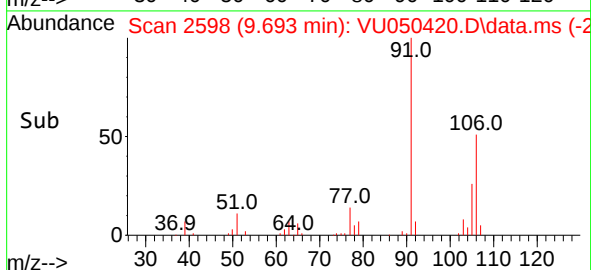
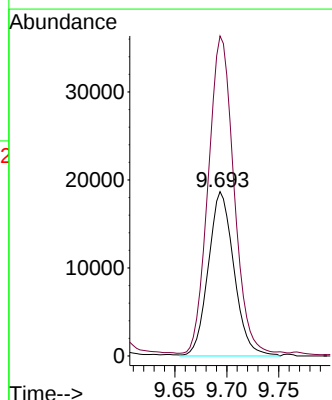
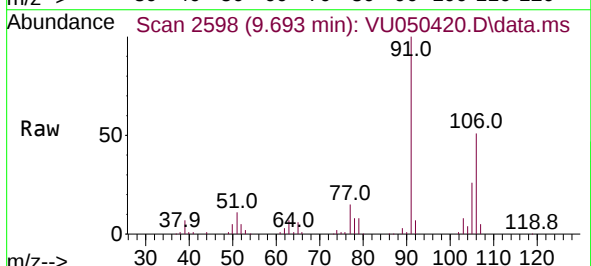
Instrument :
MSVOA_U
ClientSampleId :
VSTD010008

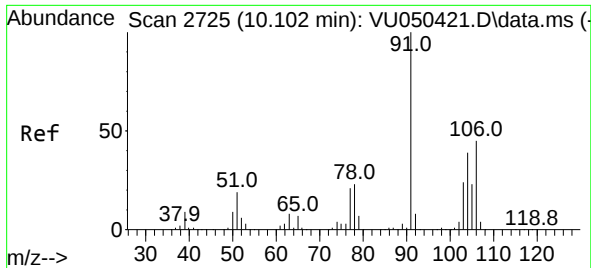
Tgt Ion: 91 Resp: 86922
Ion Ratio Lower Upper
91 100
106 30.4 21.7 40.3



#53
m,p-Xylene
Concen: 7.303 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

Tgt Ion: 106 Resp: 32029
Ion Ratio Lower Upper
106 100
91 194.8 145.9 270.9

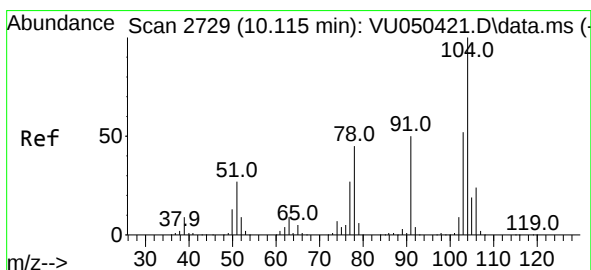
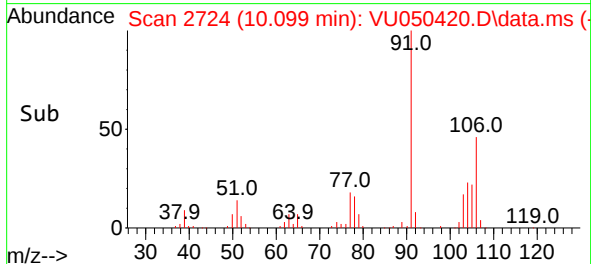
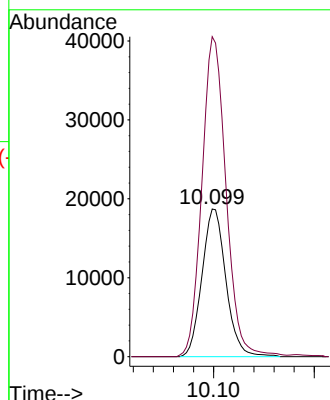
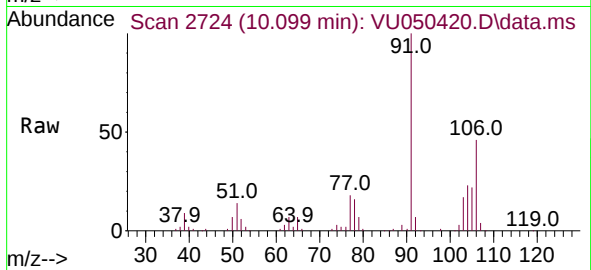




#54
o-Xylene
Concen: 7.037 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

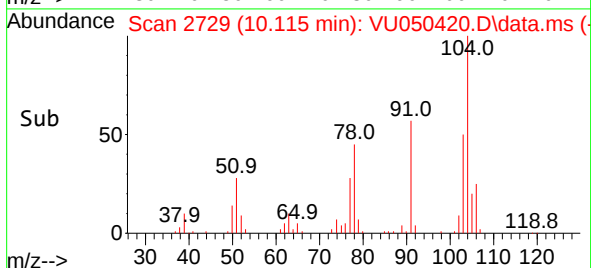
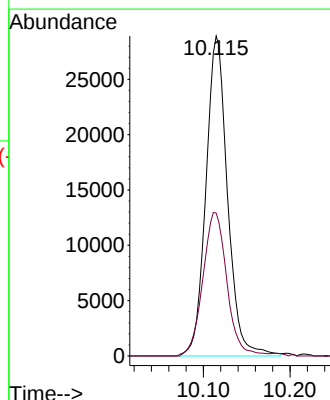
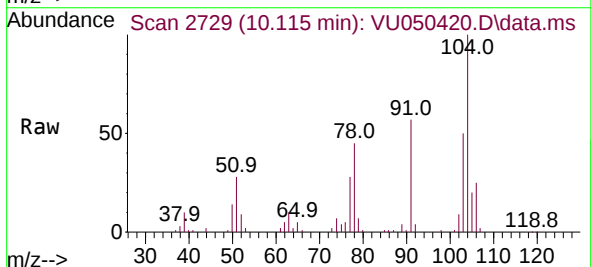
Instrument :
MSVOA_U
ClientSampleId :
VSTD010008

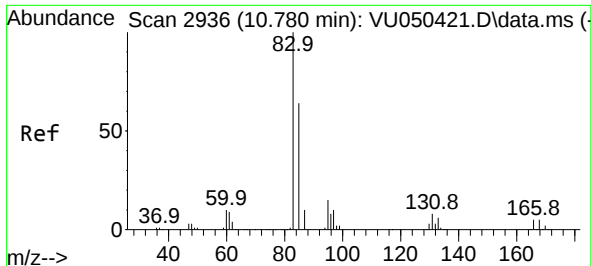
Tgt Ion:106 Resp: 30958
Ion Ratio Lower Upper
106 100
91 216.6 154.8 287.4



#55
Styrene
Concen: 6.836 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

Tgt Ion:104 Resp: 50083
Ion Ratio Lower Upper
104 100
78 44.6 31.6 58.8





#57

1,1,2,2-Tetrachloroethane

Concen: 9.790 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD010008

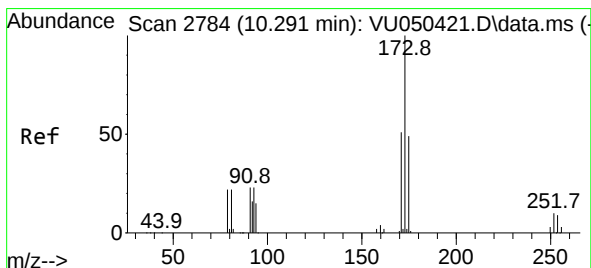
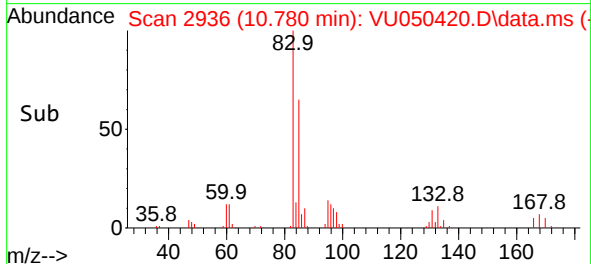
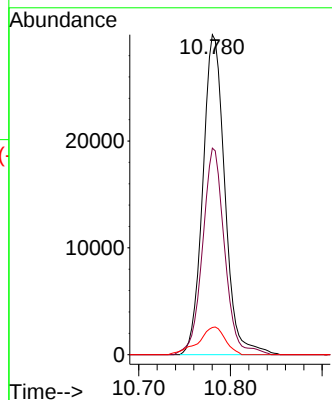
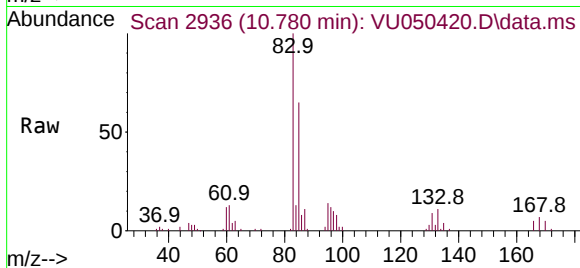
Tgt Ion: 83 Resp: 49962

Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.2

131 8.5 7.2 10.8



#59

Bromoform

Concen: 11.382 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

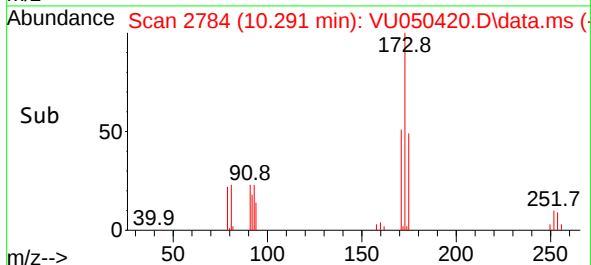
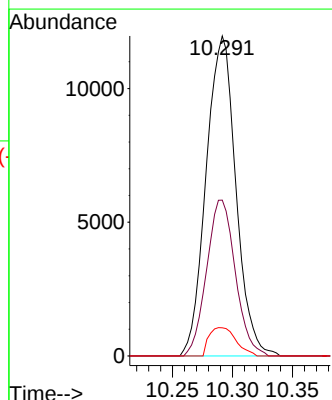
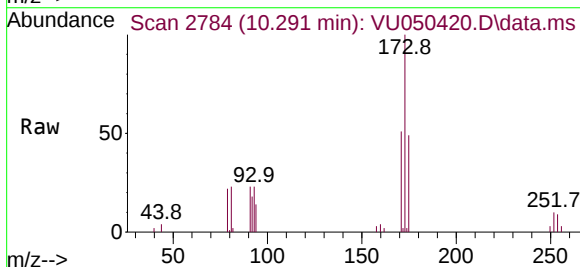
Tgt Ion: 173 Resp: 20624

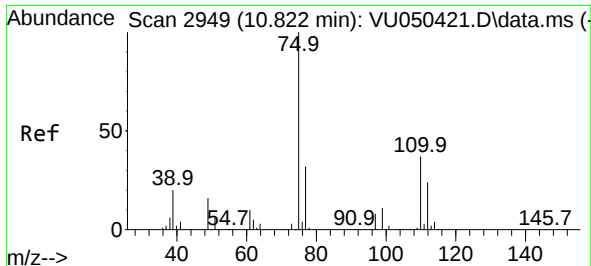
Ion Ratio Lower Upper

173 100

175 47.0 38.4 57.6

254 8.0 7.1 10.7

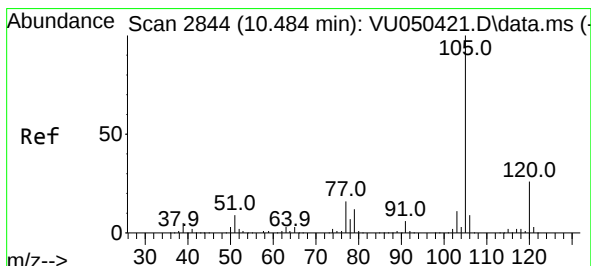
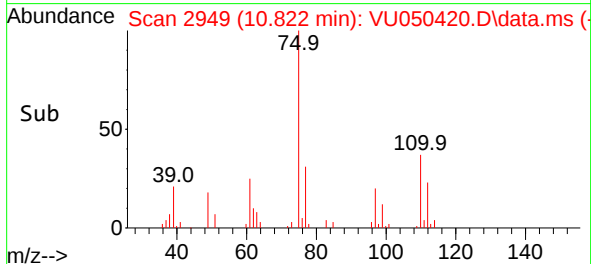
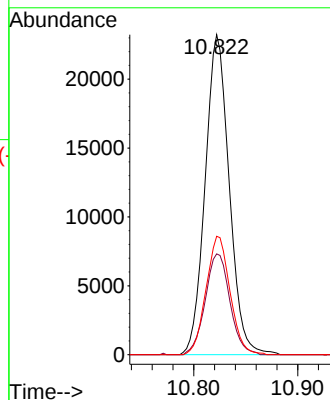
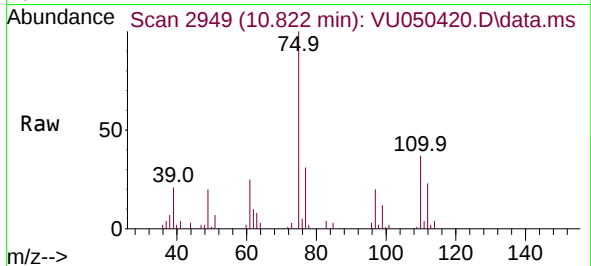




#60
1,2,3-Trichloropropane
Concen: 10.590 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

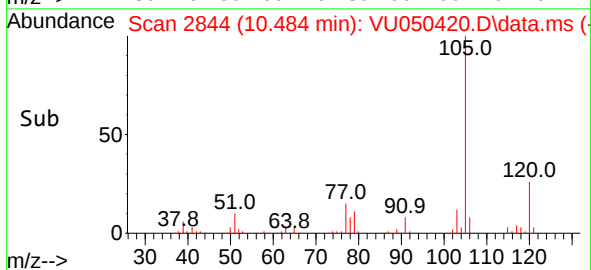
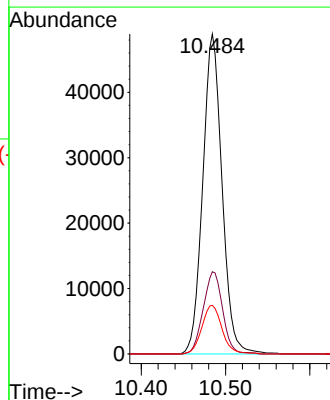
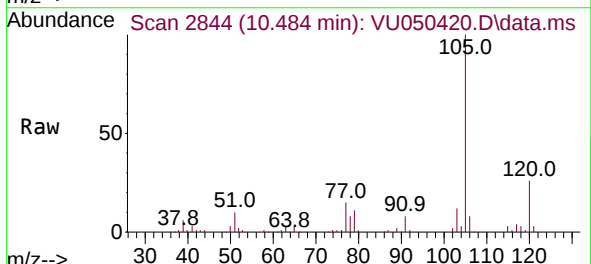
Instrument :
MSVOA_U
ClientSampleId :
VSTD010008

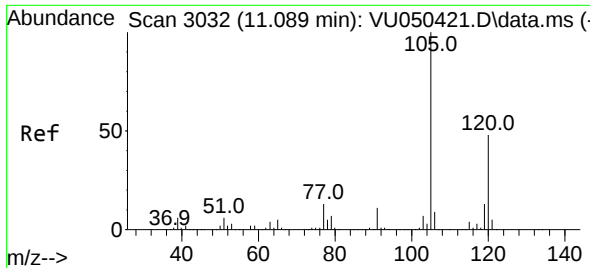
Tgt Ion:	75	Resp:	37360
Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.7	38.5
110	36.8	29.0	43.4



#61
Isopropylbenzene
Concen: 8.061 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

Tgt Ion:	105	Resp:	78006
Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.7	31.1
77	15.8	12.5	18.7

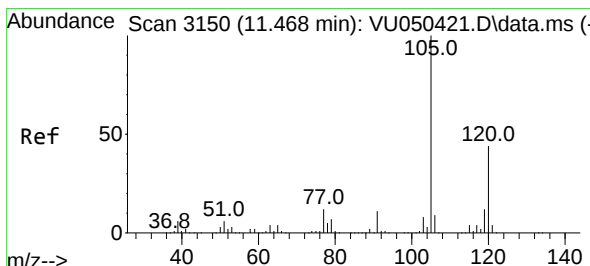
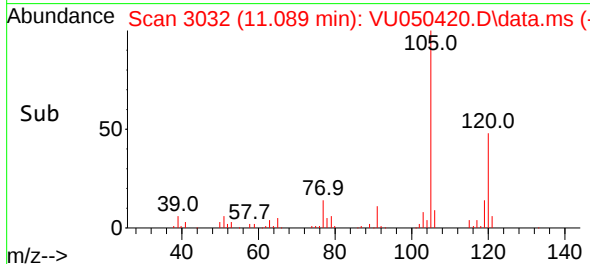
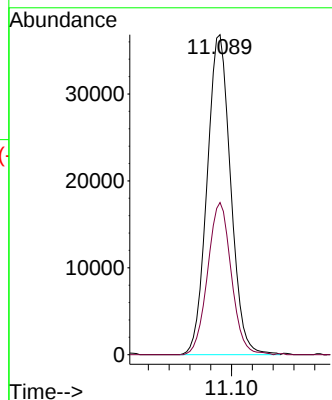
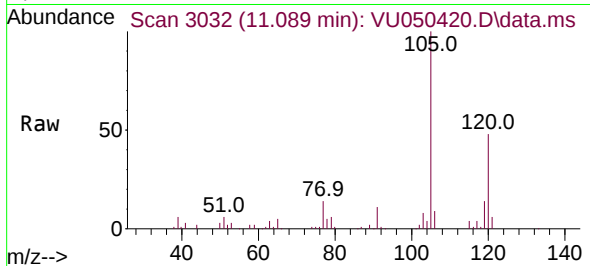




#62
 1,3,5-Trimethylbenzene
 Concen: 7.174 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU050420.D
 Acq: 24 Aug 2022 11:22

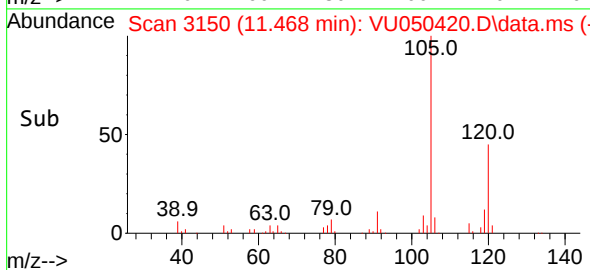
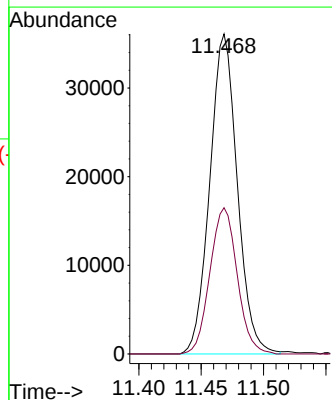
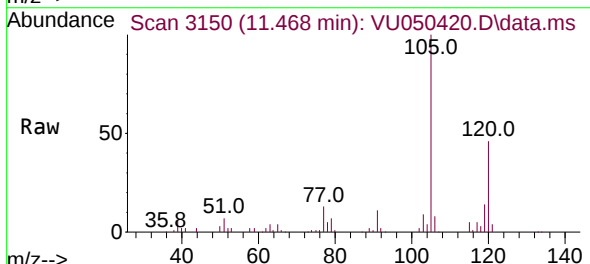
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010008

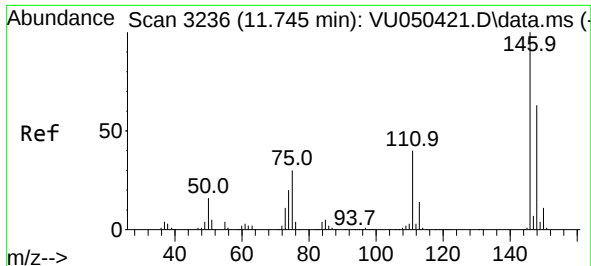
Tgt Ion:105 Resp: 57900
 Ion Ratio Lower Upper
 105 100
 120 47.7 38.1 57.1



#63
 1,2,4-Trimethylbenzene
 Concen: 6.931 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU050420.D
 Acq: 24 Aug 2022 11:22

Tgt Ion:105 Resp: 55454
 Ion Ratio Lower Upper
 105 100
 120 45.3 35.3 52.9

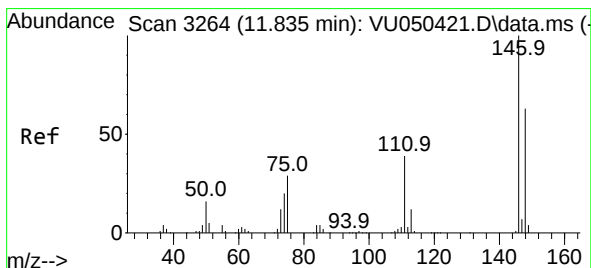
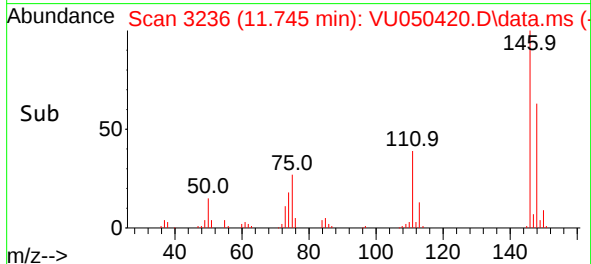
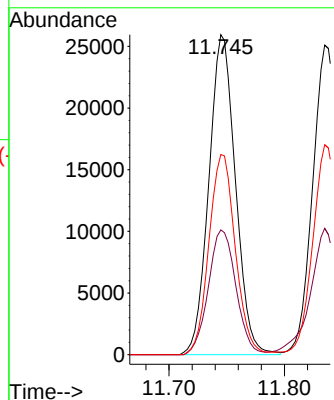
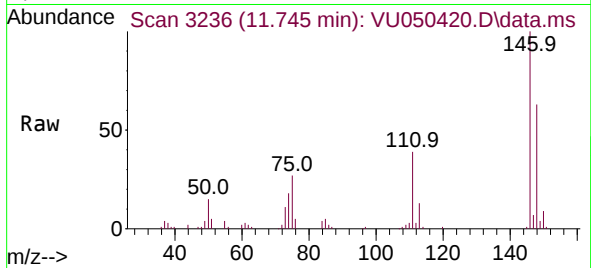




#64
1,3-Dichlorobenzene
Concen: 9.676 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

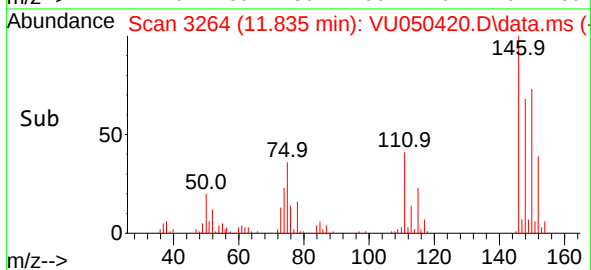
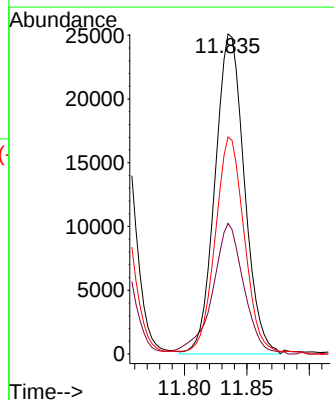
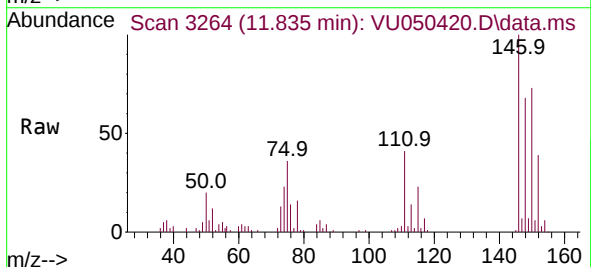
Instrument :
MSVOA_U
ClientSampleId :
VSTD010008

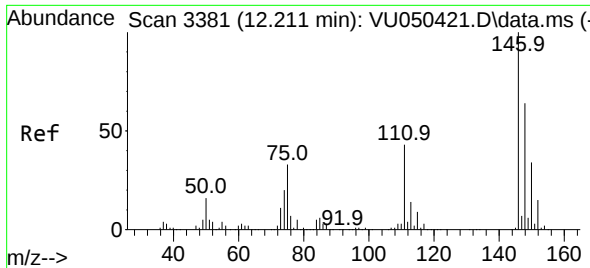
Tgt Ion:146 Resp: 41538
Ion Ratio Lower Upper
146 100
111 39.0 28.1 52.1
148 62.6 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 9.544 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050420.D
Acq: 24 Aug 2022 11:22

Tgt Ion:146 Resp: 41161
Ion Ratio Lower Upper
146 100
111 40.8 27.6 51.2
148 67.8 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 9.668 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD010008

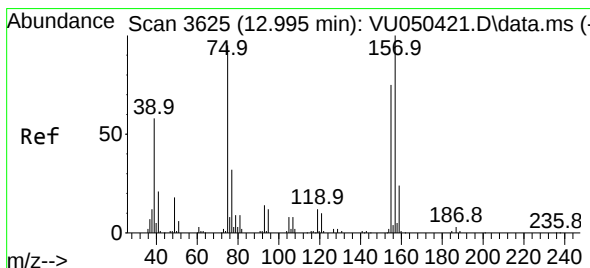
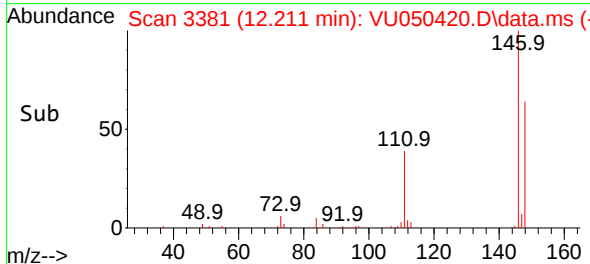
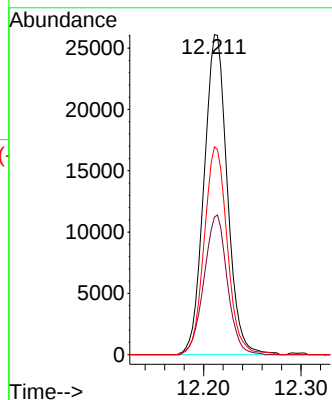
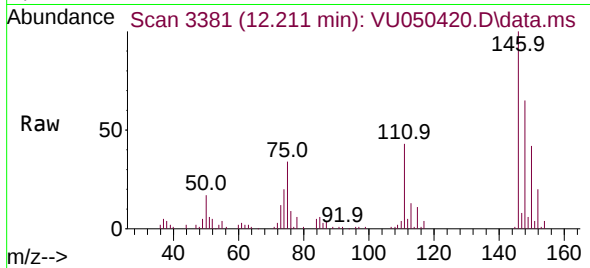
Tgt Ion:146 Resp: 43311

Ion Ratio Lower Upper

146 100

111 43.0 34.1 51.1

148 65.0 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 9.547 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

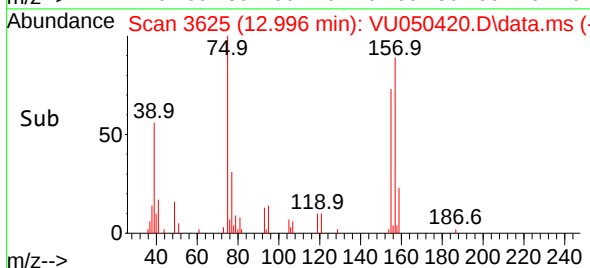
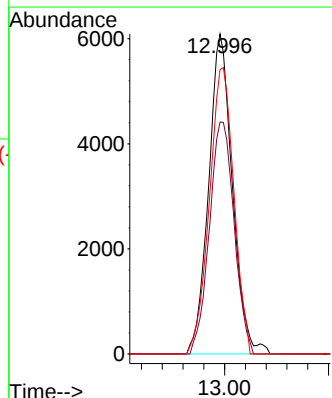
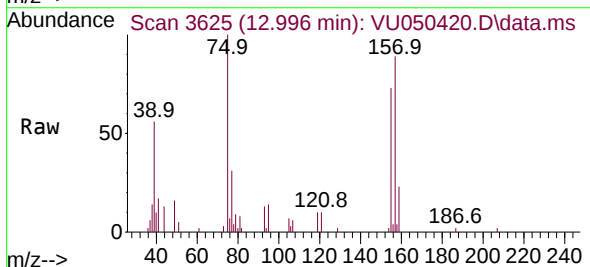
Tgt Ion: 75 Resp: 9659

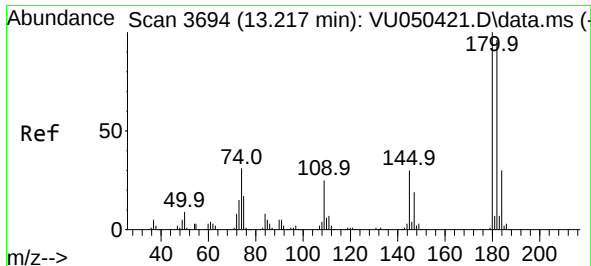
Ion Ratio Lower Upper

75 100

155 72.5 63.1 94.7

157 92.5 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 9.300 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.003 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD010008

Tgt Ion:180 Resp: 27687

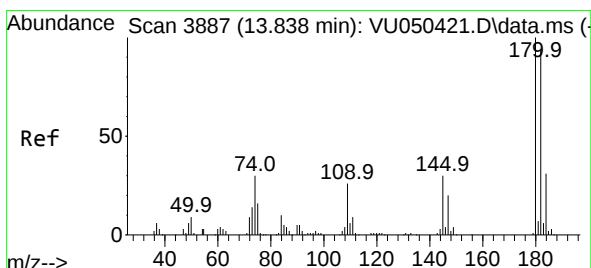
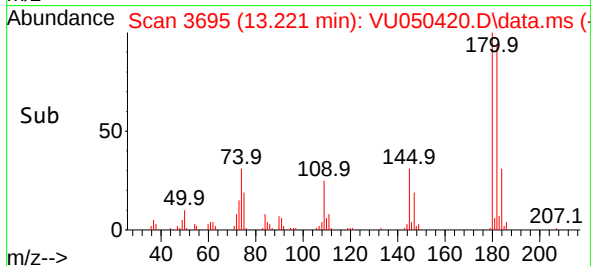
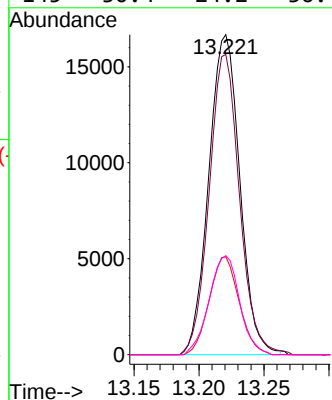
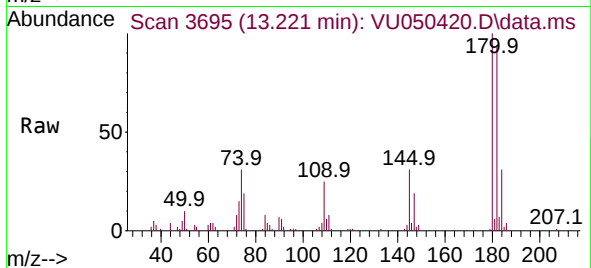
Ion Ratio Lower Upper

180 100

182 91.7 77.0 115.6

184 29.4 24.1 36.1

145 30.4 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 7.217 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.003 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

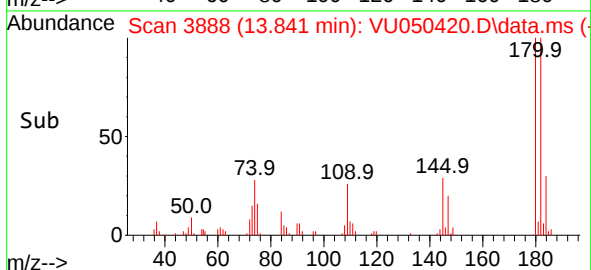
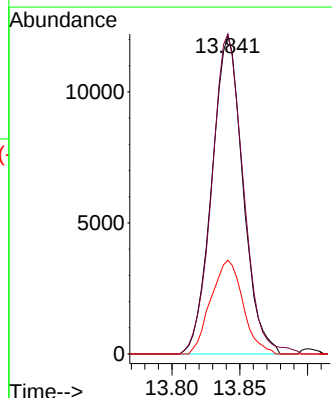
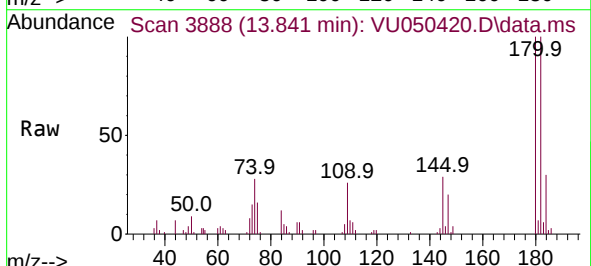
Tgt Ion:180 Resp: 19387

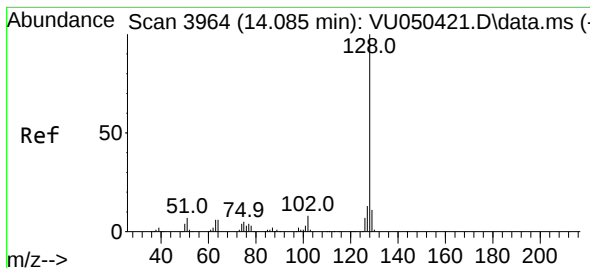
Ion Ratio Lower Upper

180 100

182 101.5 75.4 113.2

145 30.3 23.9 35.9





#71

Naphthalene

Concen: 5.638 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD010008

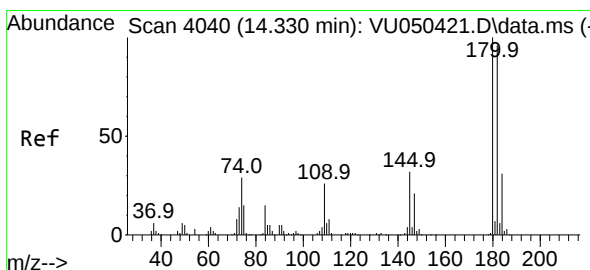
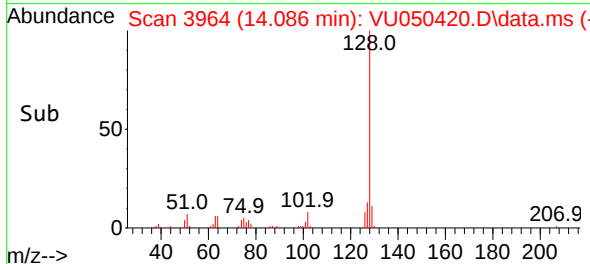
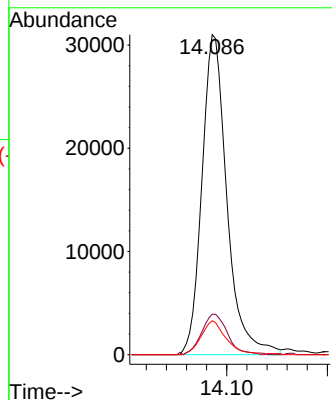
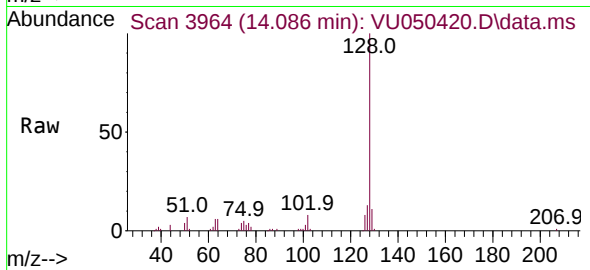
Tgt Ion:128 Resp: 53455

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 10.5 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 7.769 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU050420.D

Acq: 24 Aug 2022 11:22

Tgt Ion:180 Resp: 21864

Ion Ratio Lower Upper

180 100

182 92.3 76.8 115.2

145 31.7 26.5 39.7

