

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102022\
 Data File : VU051462.D
 Acq On : 20 Oct 2022 09:58
 Operator : JC/MD
 Sample : VSTD00543
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 20 21:38:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 20 21:37:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	402270	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	416737	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	181783	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	16563	4.221	ug/L	0.00
7) Chloroethane-d5	1.909	69	13531	3.710	ug/L	0.02
11) 1,1-Dichloroethene-d2	2.568	63	28236	4.752	ug/L	0.00
21) 2-Butanone-d5	4.629	46	19460	7.507	ug/L	0.01
24) Chloroform-d	5.063	84	30115	4.653	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	19928	4.983	ug/L	0.00
32) Benzene-d6	5.729	84	52195	4.310	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	17807	4.528	ug/L	0.00
41) Toluene-d8	7.899	98	43323	3.860	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	6182	3.342	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	10632	6.579	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	29589	4.320	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	16677	4.411	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	20808	6.112	ug/L	99
3) Chloromethane	1.526	50	27663	6.825	ug/L	95
5) Vinyl chloride	1.604	62	25500	5.950	ug/L	94
6) Bromomethane	1.848	94	17207	5.229	ug/L	96
8) Chloroethane	1.932	64	15673	5.064	ug/L	98
9) Trichlorofluoromethane	2.137	101	29792	5.296	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	19124	6.193	ug/L	97
12) 1,1-Dichloroethene	2.578	96	17033	5.871	ug/L	93
13) Acetone	2.623	43	40814	18.438	ug/L	96
14) Carbon disulfide	2.793	76	55207	6.325	ug/L	97
15) Methyl Acetate	2.948	43	22243	5.747	ug/L	100
16) Methylene chloride	3.047	84	23897	5.777	ug/L	98
17) trans-1,2-Dichloroethene	3.356	96	16845	5.478	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	43789	4.766	ug/L	96
19) 1,1-Dichloroethane	3.867	63	35448	6.076	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	17265	5.077	ug/L	94
22) 2-Butanone	4.703	43	33572	11.430	ug/L	96
23) Bromochloromethane	4.976	128	10601	5.691	ug/L	95
25) Chloroform	5.089	83	35862	5.702	ug/L	100
27) 1,2-Dichloroethane	5.793	62	28145	5.820	ug/L	98
29) Cyclohexane	5.385	56	18170	4.349	ug/L	96
30) 1,1,1-Trichloroethane	5.317	97	27718	5.633	ug/L	98
31) Carbon tetrachloride	5.526	117	23676	5.869	ug/L	99
33) Benzene	5.774	78	71176	5.509	ug/L	100
34) Trichloroethene	6.539	95	18671	5.666	ug/L	97
35) Methylcyclohexane	6.761	83	20378	4.455	ug/L	95
37) 1,2-Dichloropropane	6.793	63	21218	6.092	ug/L	98
38) Bromodichloromethane	7.105	83	27621	5.995	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	22769	4.662	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	42504	8.510	ug/L	94
42) Toluene	7.970	91	65248	4.746	ug/L	96
44) trans-1,3-Dichloropropene	8.211	75	21947	4.474	ug/L	91

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

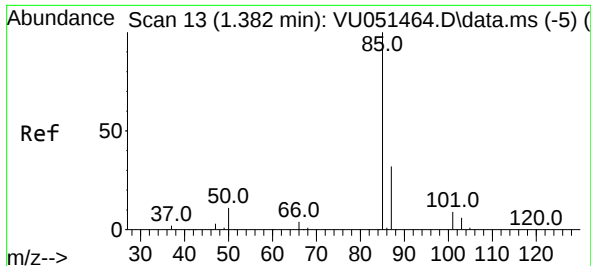
45) 1,1,2-Trichloroethane	8.398	97	20648	5.550	ug/L	96
46) Tetrachloroethene	8.552	164	13301	5.289	ug/L	95
48) 2-Hexanone	8.684	43	38207	8.501	ug/L	90
49) Dibromochloromethane	8.809	129	20662	5.310	ug/L	99
50) 1,2-Dibromoethane	8.922	107	20671	5.169	ug/L #	95
51) Chlorobenzene	9.446	112	47014	5.087	ug/L	97
52) Ethylbenzene	9.571	91	59283	4.121	ug/L	97
53) m,p-Xylene	9.693	106	22050	4.023	ug/L	98
54) o-Xylene	10.098	106	21223	3.884	ug/L	98
55) Styrene	10.115	104	33263	3.518	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	37881	5.706	ug/L	99
59) Bromoform	10.288	173	14722	5.532	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	27836	5.814	ug/L	100
61) Isopropylbenzene	10.484	105	50356	4.261	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	39148	4.071	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	37004	3.788	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	30048	4.899	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	32232	5.280	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	32739	5.313	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	7678	5.644	ug/L	91
69) 1,3,5-Trichlorobenzene	13.220	180	20144	4.915	ug/L	97
70) 1,2,4-trichlorobenzene	13.844	180	13097	3.942	ug/L	99
71) Naphthalene	14.089	128	33300	2.842	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	13703	3.689	ug/L	96

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

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ClientSampleId :

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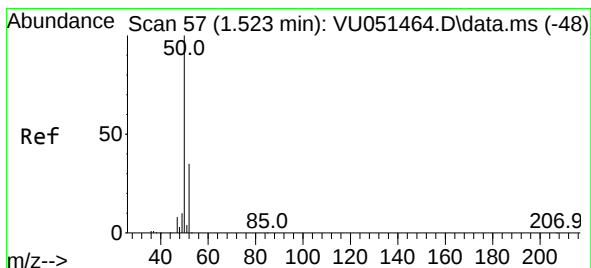
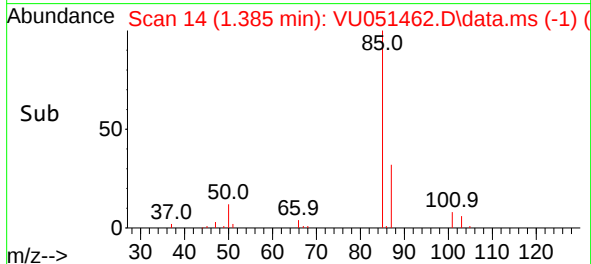
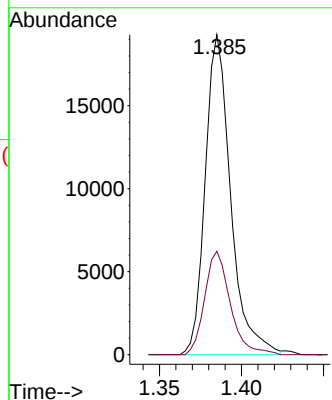
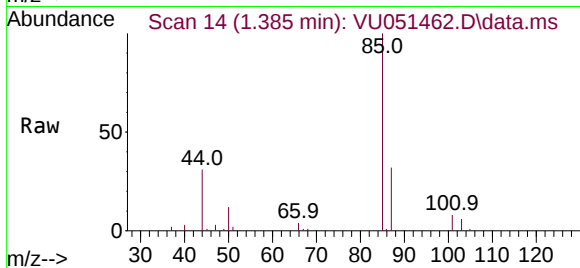




#2
Dichlorodifluoromethane
Concen: 6.112 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

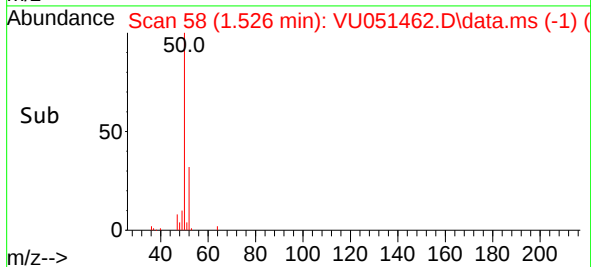
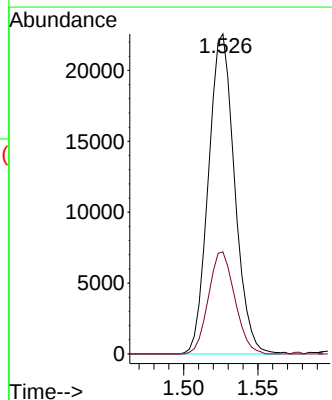
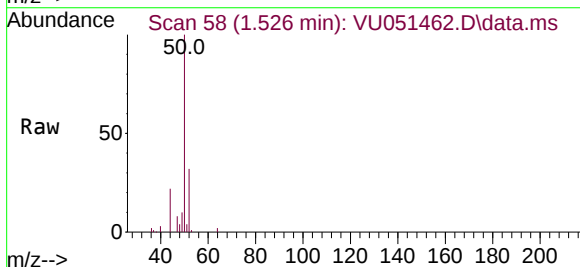
Instrument :
MSVOA_U
ClientSampleId :

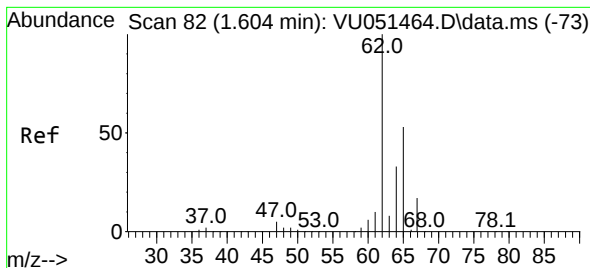
Tgt Ion: 85 Resp: 20808
Ion Ratio Lower Upper
85 100
87 32.5 25.7 38.5



#3
Chloromethane
Concen: 6.825 ug/L
RT: 1.526 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

Tgt Ion: 50 Resp: 27663
Ion Ratio Lower Upper
50 100
52 31.9 24.1 44.8





#5

Vinyl chloride

Concen: 5.950 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

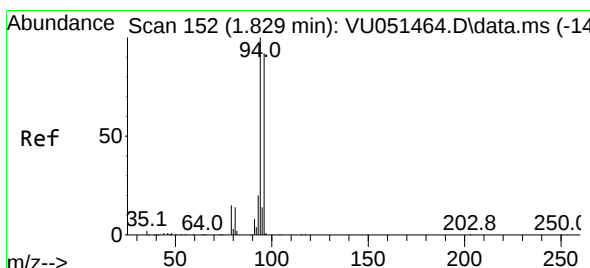
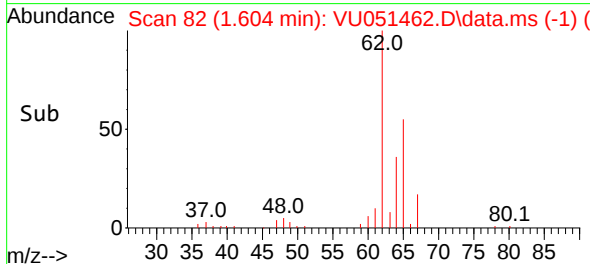
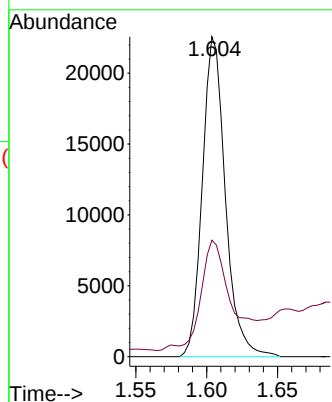
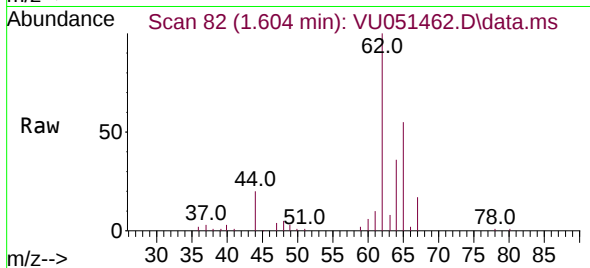
ClientSampleId :

Tgt Ion: 62 Resp: 25500

Ion Ratio Lower Upper

62 100

64 36.4 23.2 43.2



#6

Bromomethane

Concen: 5.229 ug/L

RT: 1.848 min Scan# 158

Delta R.T. 0.019 min

Lab File: VU051462.D

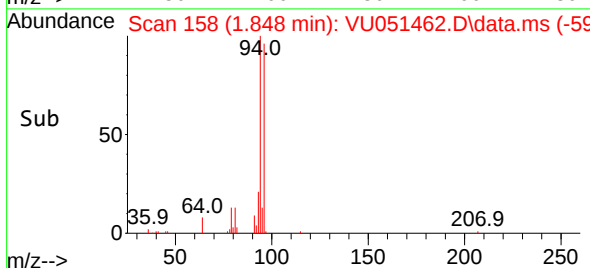
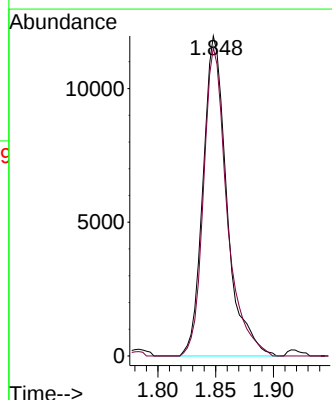
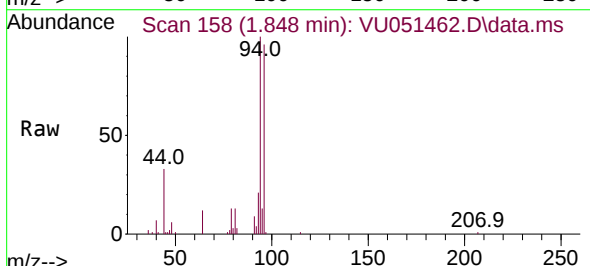
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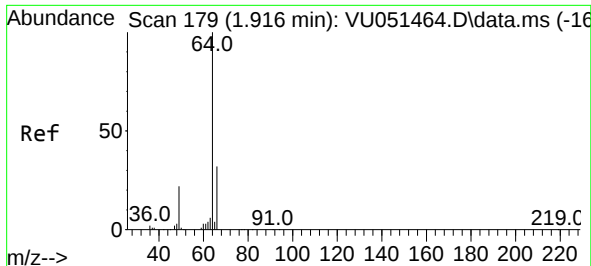
Tgt Ion: 94 Resp: 17207

Ion Ratio Lower Upper

94 100

96 96.4 64.5 119.9

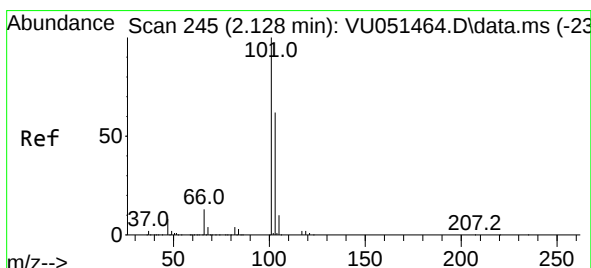
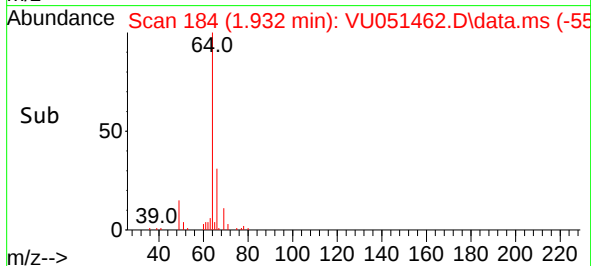
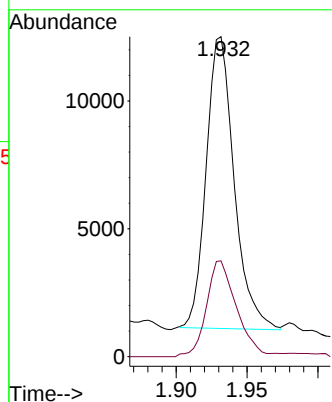
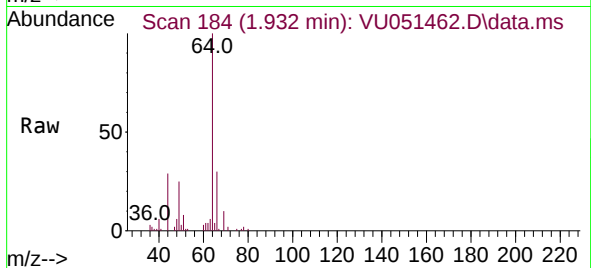




#8
Chloroethane
Concen: 5.064 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.016 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

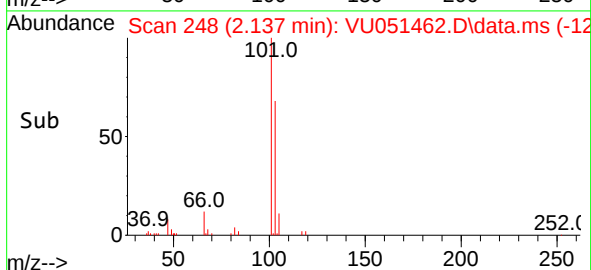
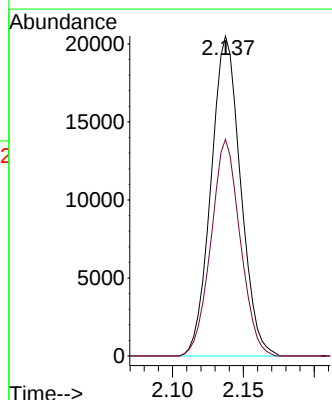
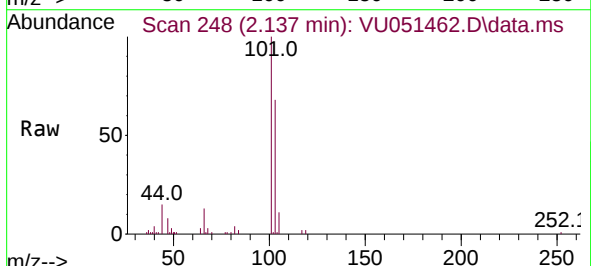
Instrument :
MSVOA_U
ClientSampleId :

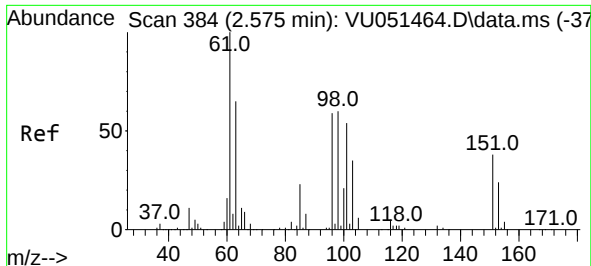
Tgt Ion: 64 Resp: 15673
Ion Ratio Lower Upper
64 100
66 30.0 21.9 40.7



#9
Trichlorofluoromethane
Concen: 5.296 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.010 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

Tgt Ion: 101 Resp: 29792
Ion Ratio Lower Upper
101 100
103 66.7 51.0 76.4





#10

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

Concen: 6.193 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.006 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

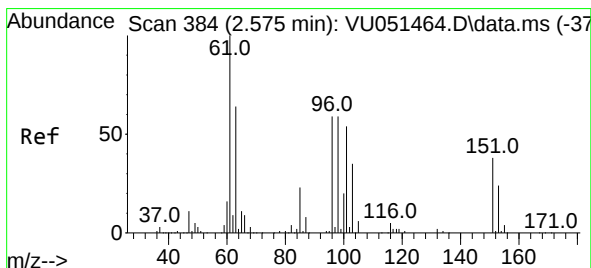
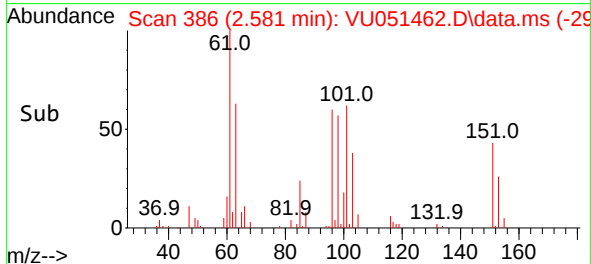
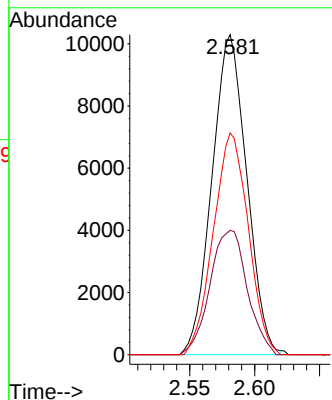
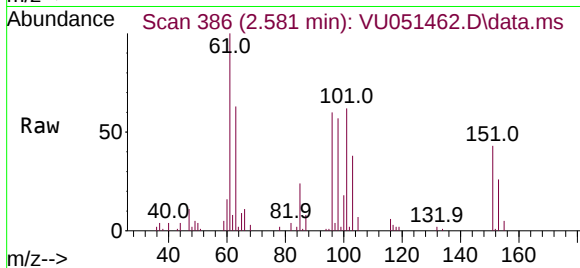
Tgt Ion:101 Resp: 19124

Ion Ratio Lower Upper

101 100

85 41.7 35.2 52.8

151 69.8 57.8 86.8



#12

1,1-Dichloroethene

Concen: 5.871 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

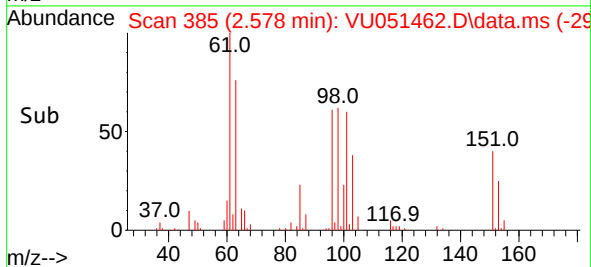
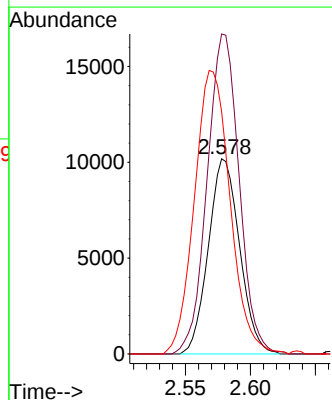
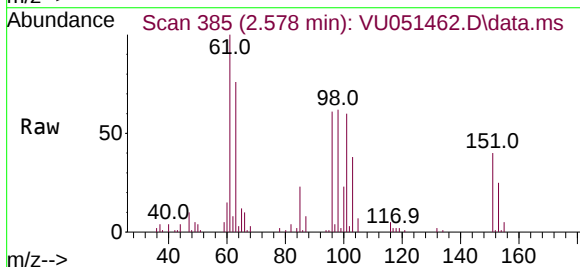
Tgt Ion: 96 Resp: 17033

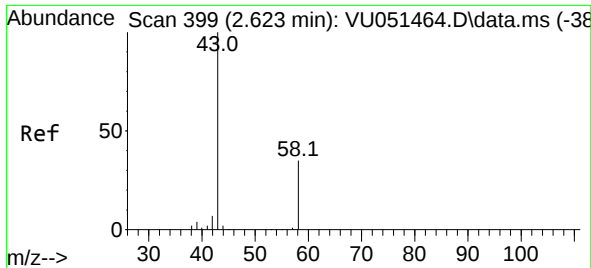
Ion Ratio Lower Upper

96 100

61 164.0 119.0 221.0

63 124.2 78.5 145.7





#13

Acetone

Concen: 18.438 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

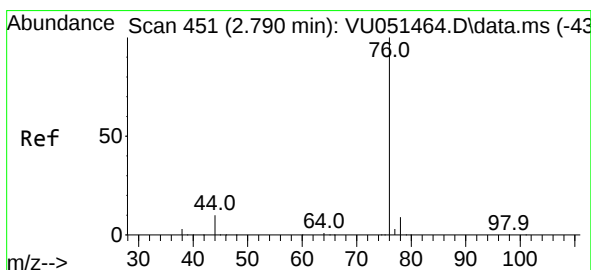
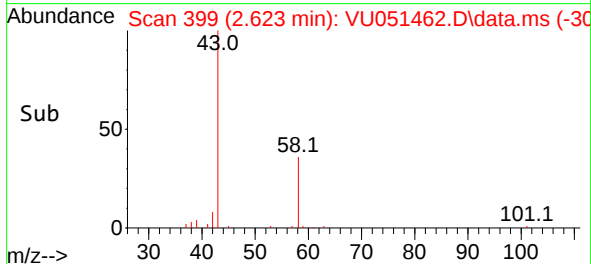
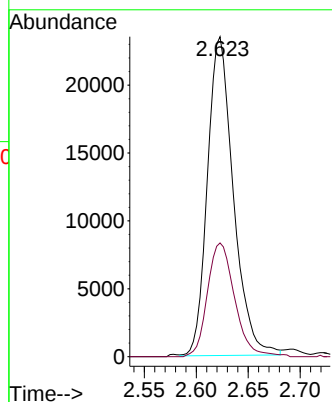
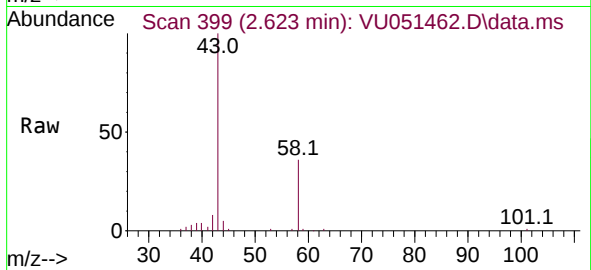
ClientSampleId :

Tgt Ion: 43 Resp: 40814

Ion Ratio Lower Upper

43 100

58 37.2 0.0 70.2



#14

Carbon disulfide

Concen: 6.325 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU051462.D

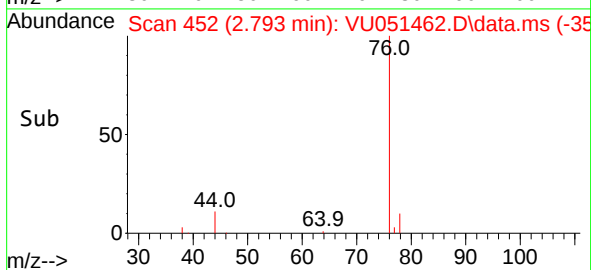
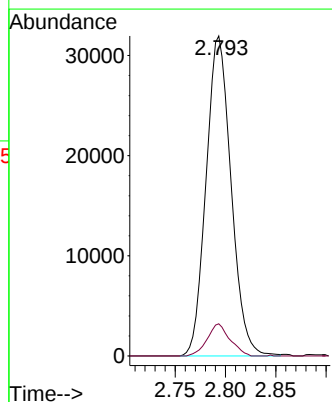
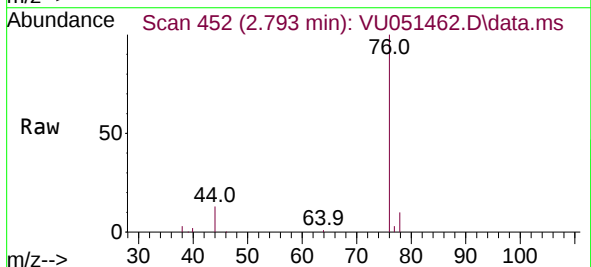
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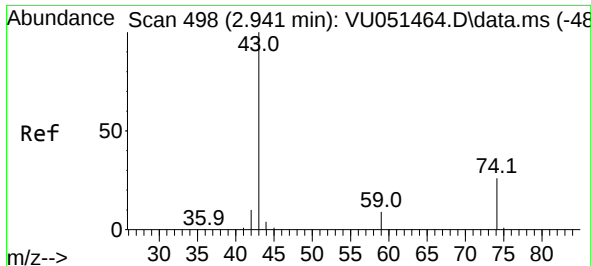
Tgt Ion: 76 Resp: 55207

Ion Ratio Lower Upper

76 100

78 10.1 7.3 10.9

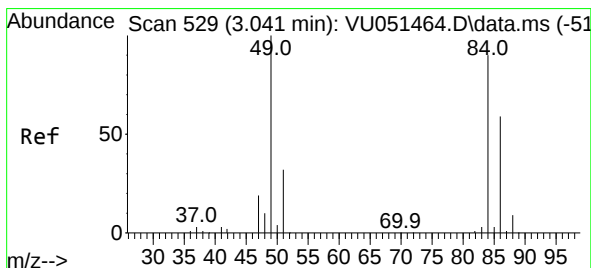
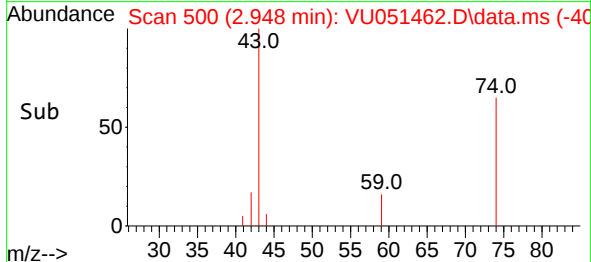
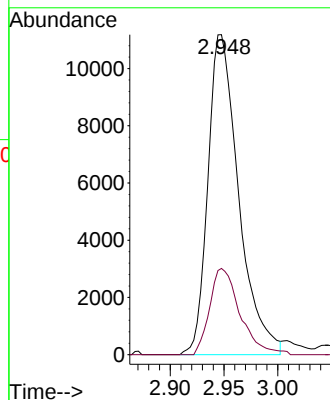
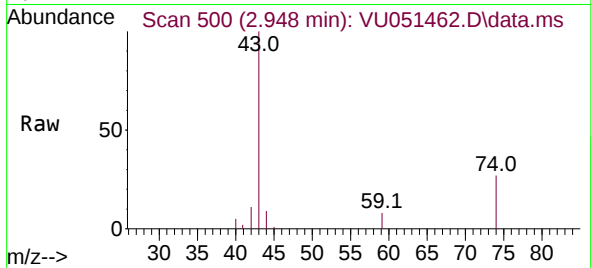




#15
Methyl Acetate
Concen: 5.747 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.006 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

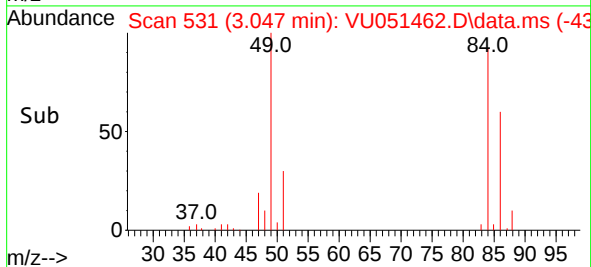
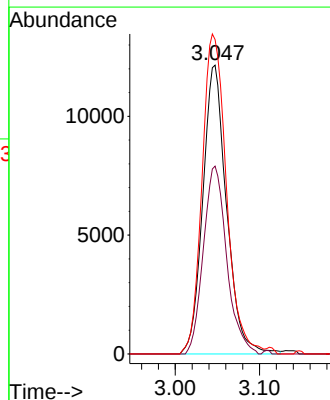
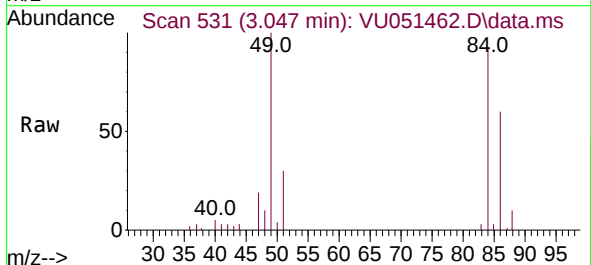
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MSVOA_U
ClientSampleId :

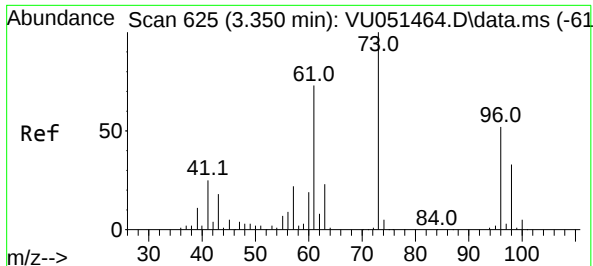
Tgt Ion: 43 Resp: 22243
Ion Ratio Lower Upper
43 100
74 26.4 21.1 31.7



#16
Methylene chloride
Concen: 5.777 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.006 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

Tgt Ion: 84 Resp: 23897
Ion Ratio Lower Upper
84 100
86 65.0 45.8 85.2
49 108.8 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 5.478 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.006 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

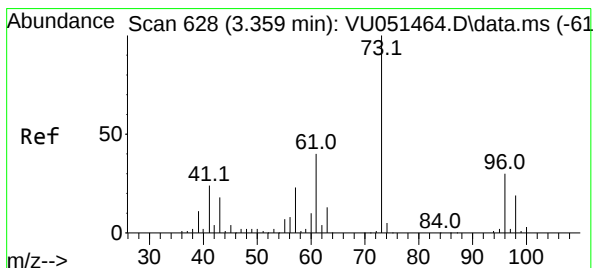
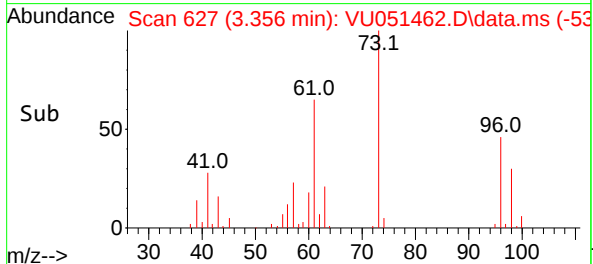
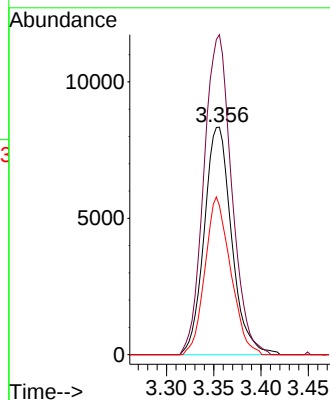
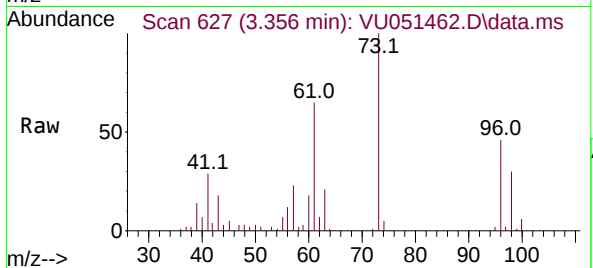
Tgt Ion: 96 Resp: 16845

Ion Ratio Lower Upper

96 100

61 140.6 98.1 182.1

98 65.5 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 4.766 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

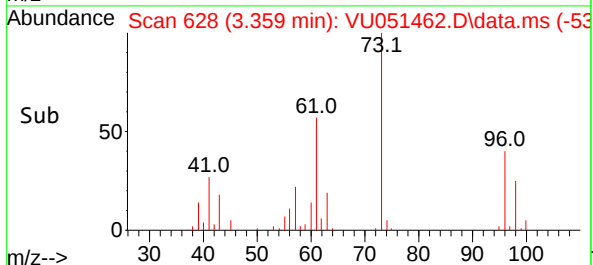
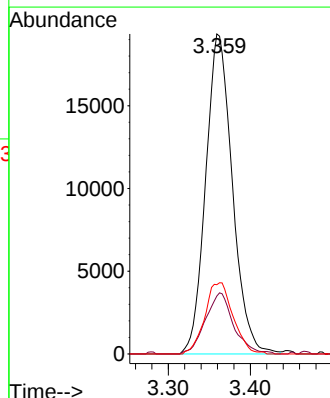
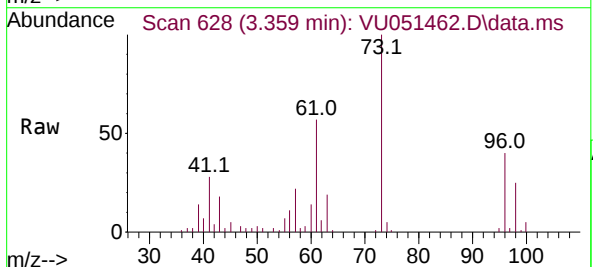
Tgt Ion: 73 Resp: 43789

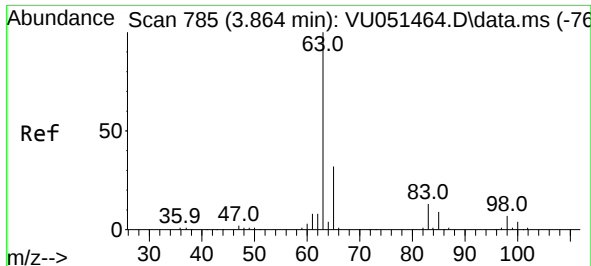
Ion Ratio Lower Upper

73 100

43 19.9 13.9 20.9

57 23.4 17.7 26.5





#19

1,1-Dichloroethane

Concen: 6.076 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU051462.D

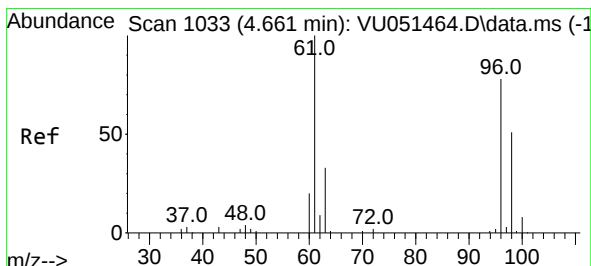
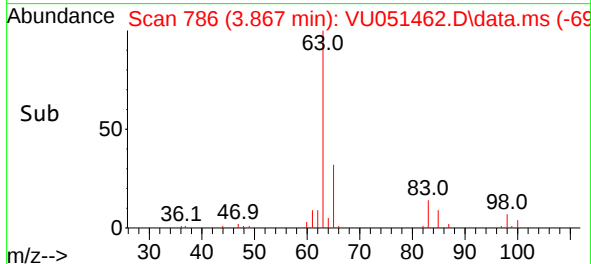
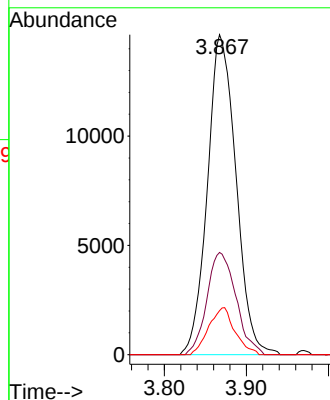
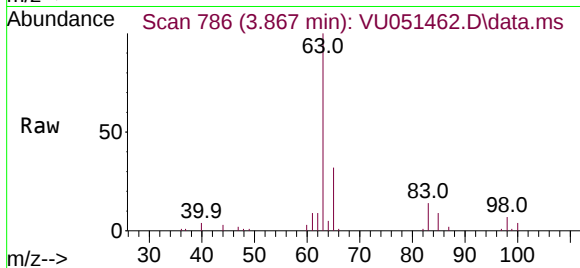
Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 35448
Ion Ratio	Lower Upper
63 100	
65 32.0	22.1 41.1
83 13.8	9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 5.077 ug/L

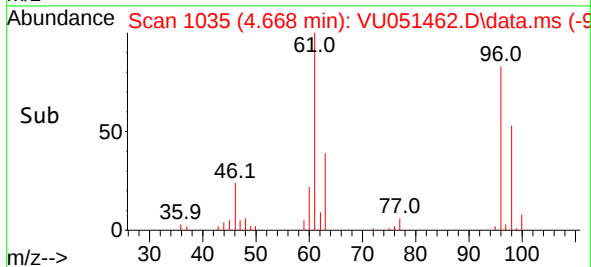
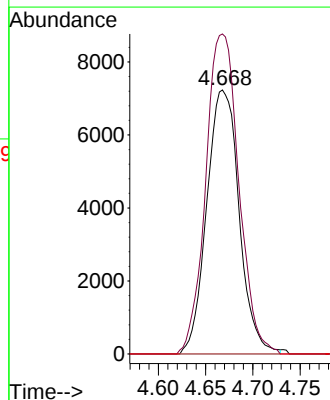
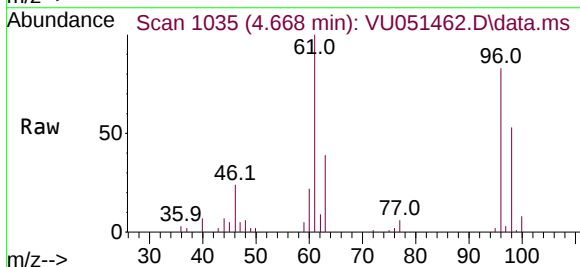
RT: 4.668 min Scan# 1035

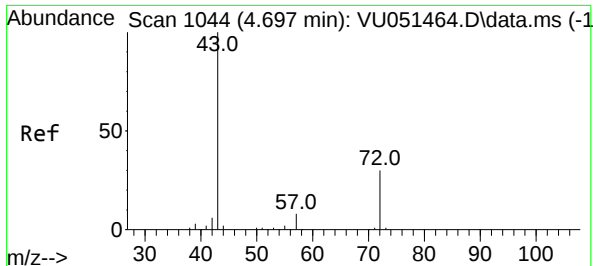
Delta R.T. 0.006 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Tgt Ion: 96	Resp: 17265
Ion Ratio	Lower Upper
96 100	
61 121.2	89.7 166.7
68 0.0	0.0 0.0





#22

2-Butanone

Concen: 11.430 ug/L

RT: 4.703 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

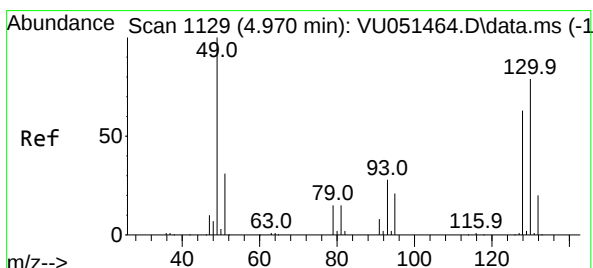
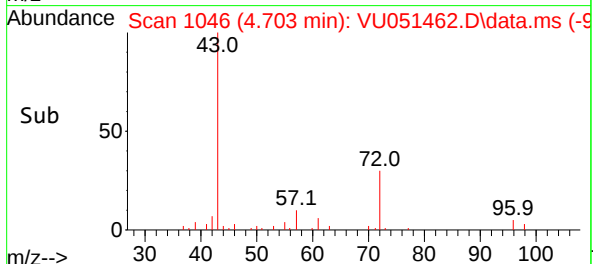
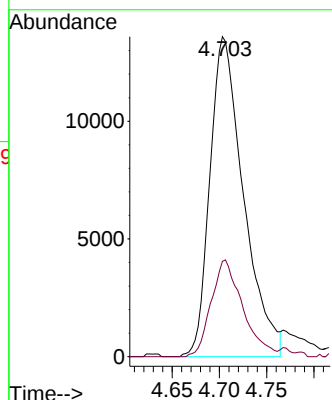
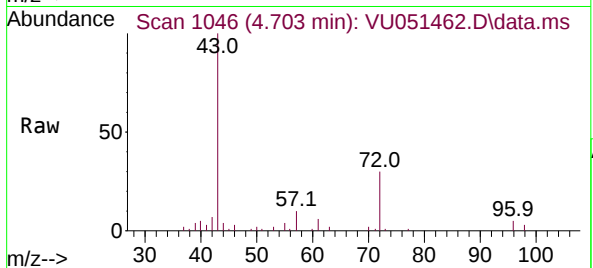
ClientSampleId :

Tgt Ion: 43 Resp: 33572

Ion Ratio Lower Upper

43 100

72 28.4 15.2 45.6



#23

Bromochloromethane

Concen: 5.691 ug/L

RT: 4.976 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Tgt Ion: 128 Resp: 10601

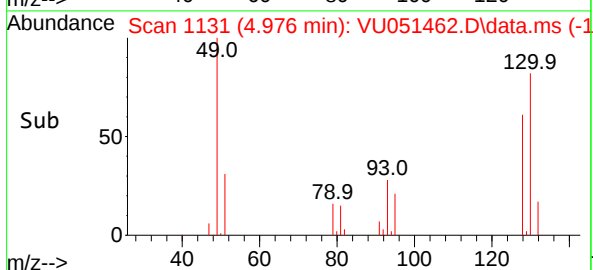
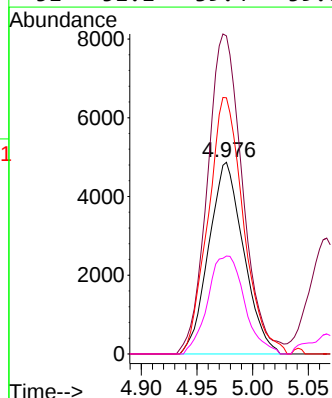
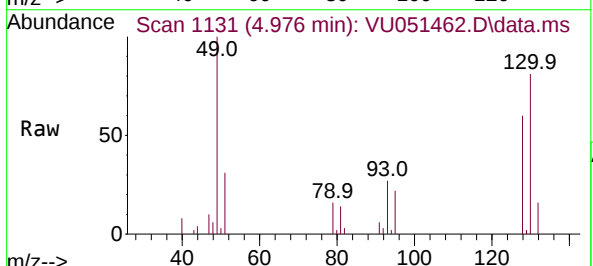
Ion Ratio Lower Upper

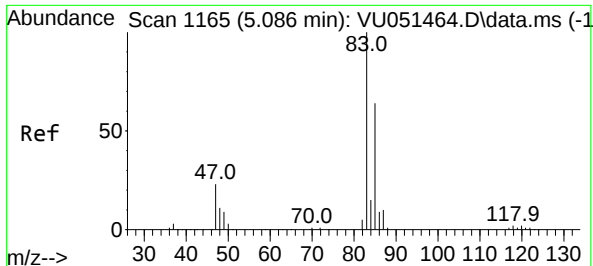
128 100

49 165.9 111.9 207.9

130 133.6 88.2 163.8

51 51.1 39.4 59.0





#25

Chloroform

Concen: 5.702 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

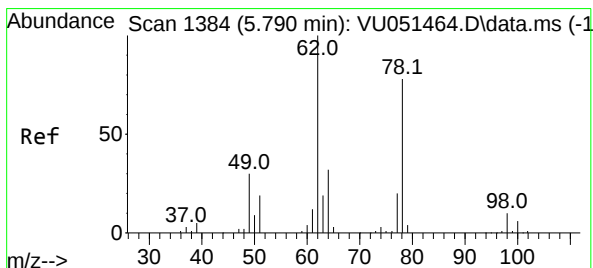
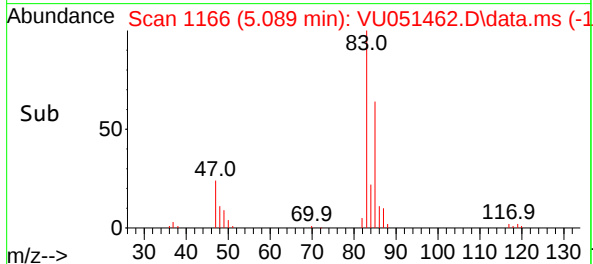
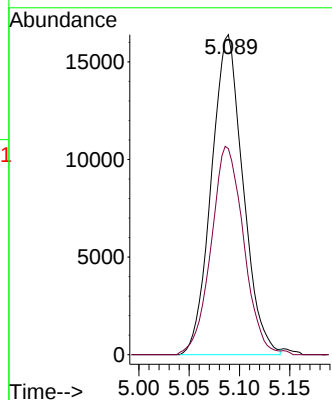
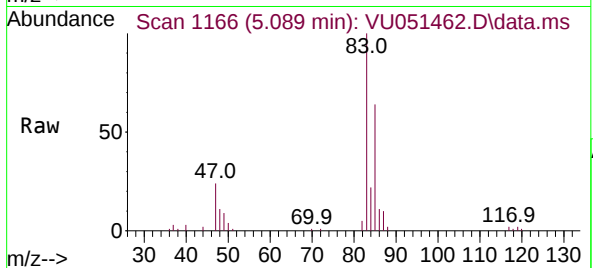
ClientSampleId :

Tgt Ion: 83 Resp: 35862

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.9



#27

1,2-Dichloroethane

Concen: 5.820 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU051462.D

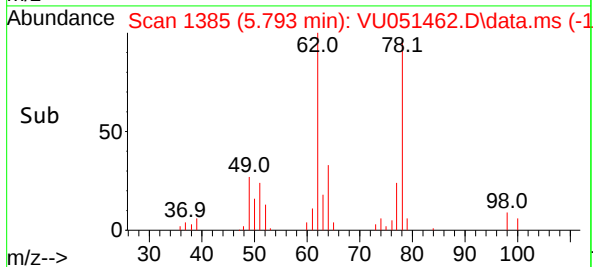
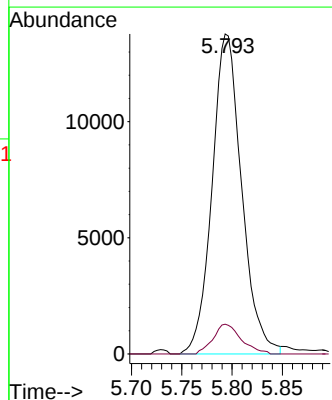
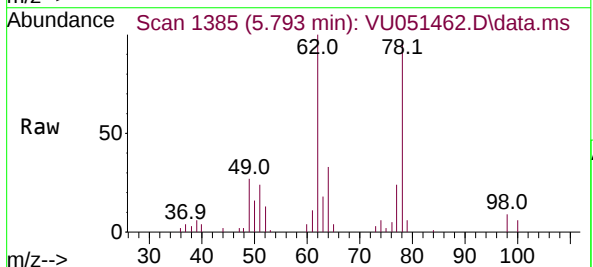
Acq: 20 Oct 2022 09:58

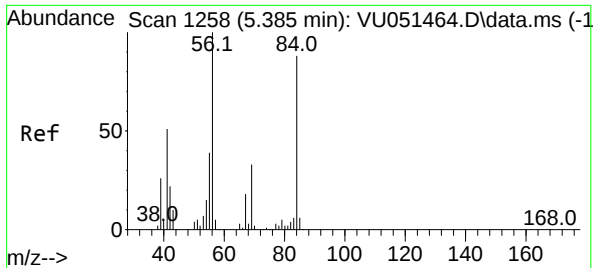
Tgt Ion: 62 Resp: 28145

Ion Ratio Lower Upper

62 100

98 9.3 8.0 12.0





#29

Cyclohexane

Concen: 4.349 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

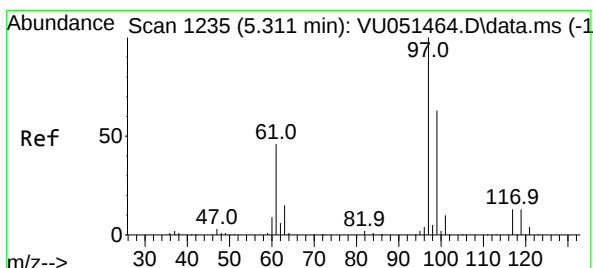
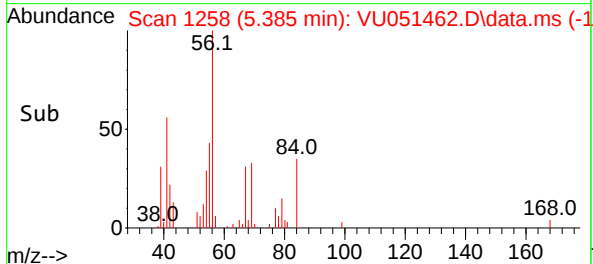
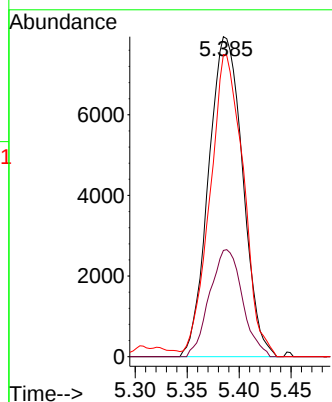
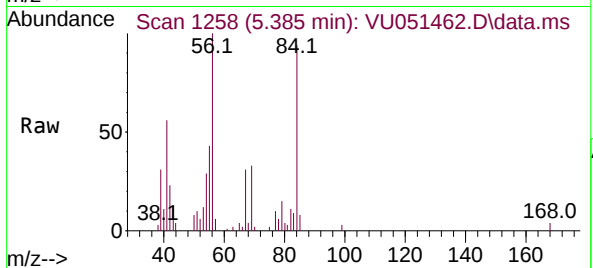
Tgt Ion: 56 Resp: 18170

Ion Ratio Lower Upper

56 100

69 32.0 25.5 38.3

84 92.4 69.8 104.6



#30

1,1,1-Trichloroethane

Concen: 5.633 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.006 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

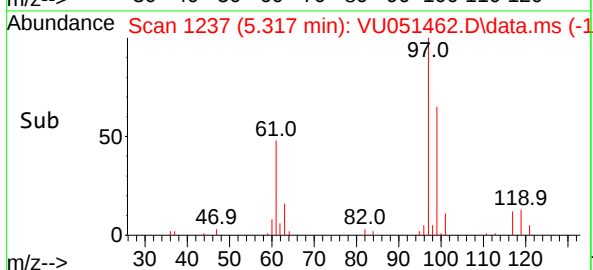
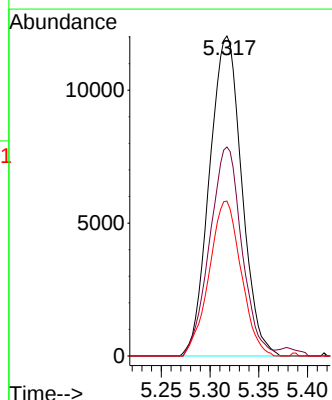
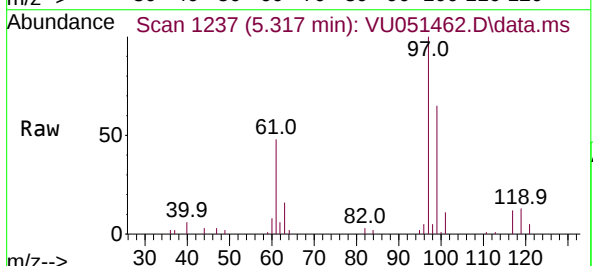
Tgt Ion: 97 Resp: 27718

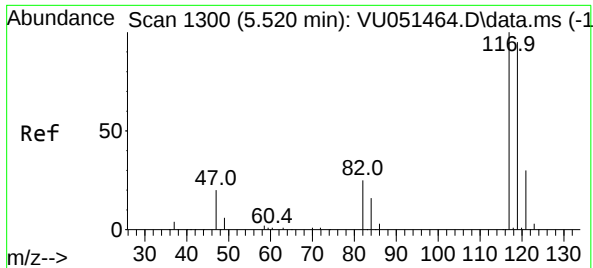
Ion Ratio Lower Upper

97 100

99 65.1 50.7 76.1

61 47.9 36.7 55.1

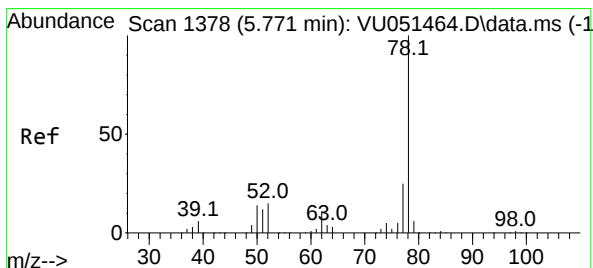
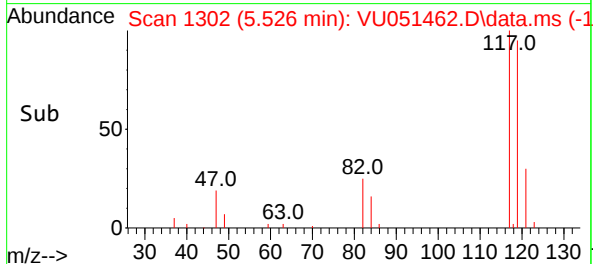
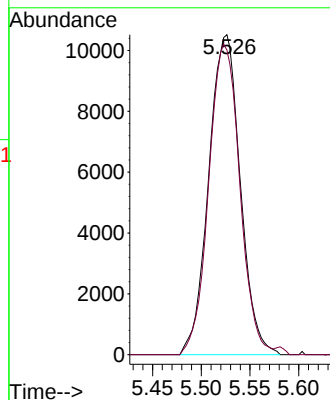
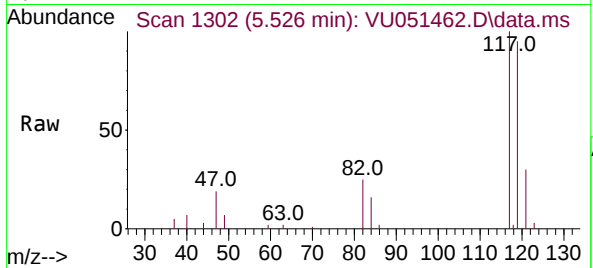




#31
Carbon tetrachloride
Concen: 5.869 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.006 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

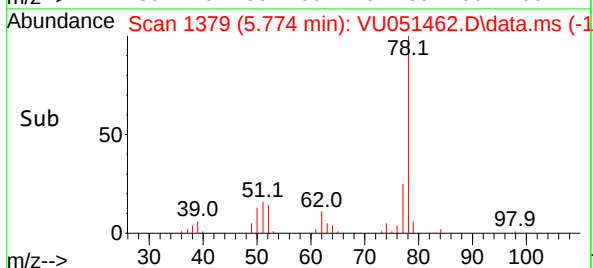
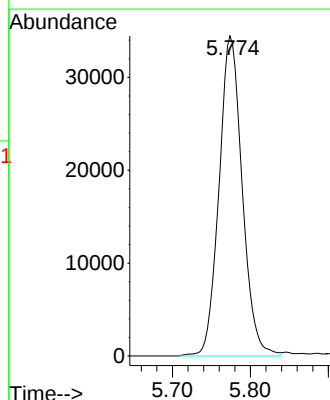
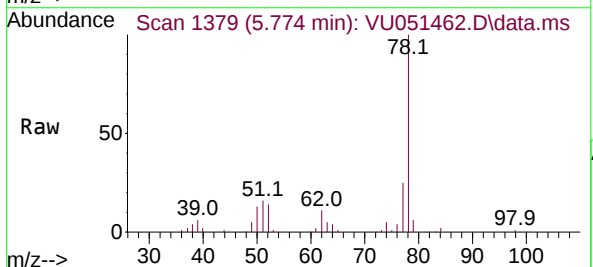
Instrument :
MSVOA_U
ClientSampleId :

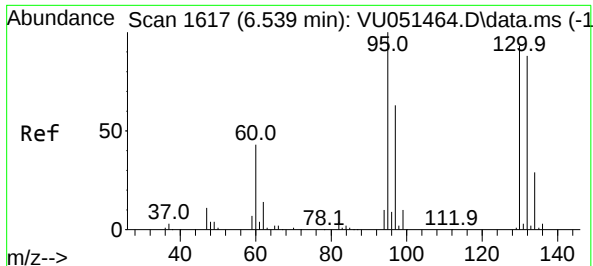
Tgt Ion:117 Resp: 23676
Ion Ratio Lower Upper
117 100
119 95.5 77.0 115.6



#33
Benzene
Concen: 5.509 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

Tgt Ion: 78 Resp: 71176

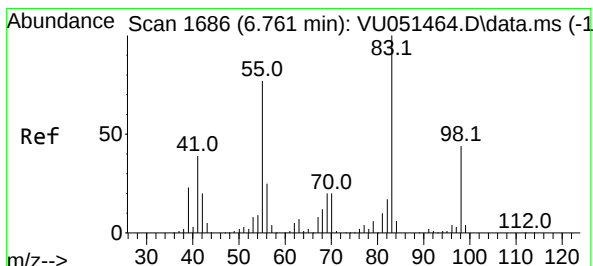
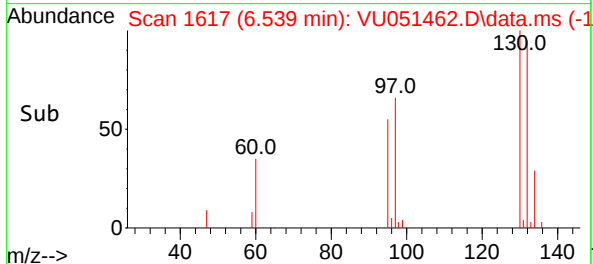
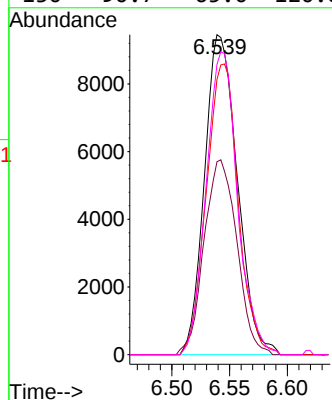
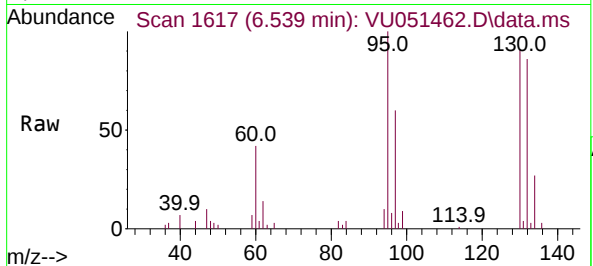




#34
Trichloroethene
Concen: 5.666 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

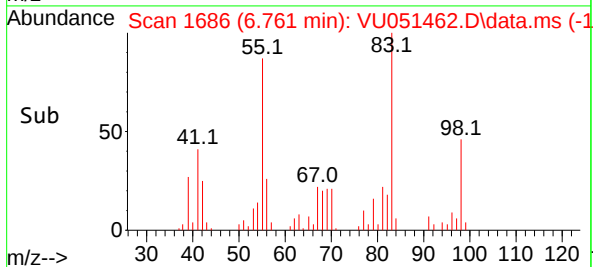
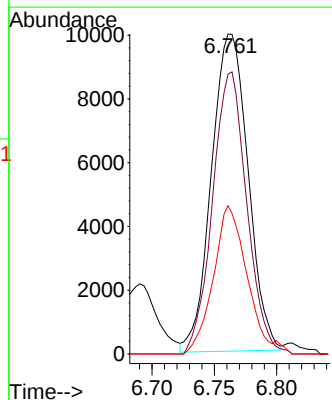
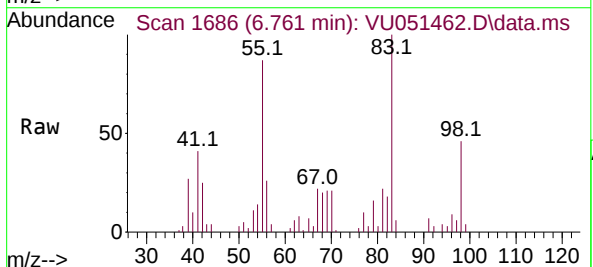
Instrument :
MSVOA_U
ClientSampleId :

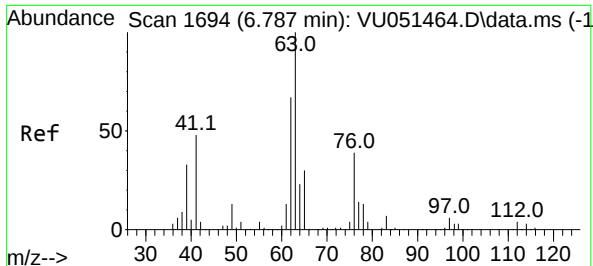
Tgt Ion: 95 Resp: 18671
Ion Ratio Lower Upper
95 100
97 60.3 43.8 81.4
132 86.1 61.9 114.9
130 90.7 65.0 120.8



#35
Methylcyclohexane
Concen: 4.455 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

Tgt Ion: 83 Resp: 20378
Ion Ratio Lower Upper
83 100
55 82.9 62.6 93.8
98 42.1 36.2 54.4





#37

1,2-Dichloropropane

Concen: 6.092 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

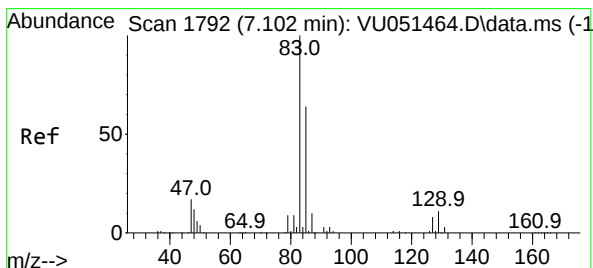
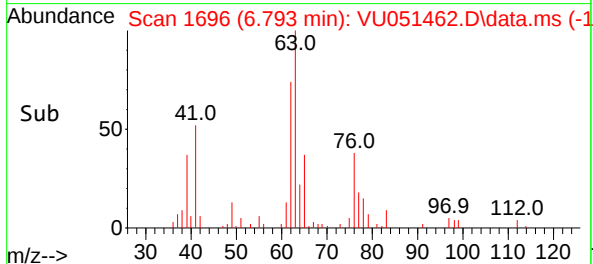
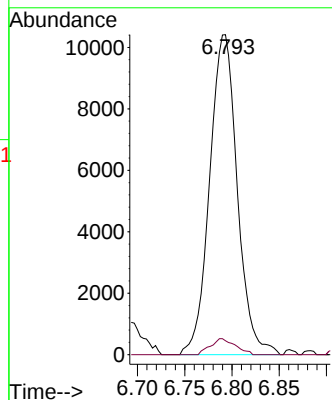
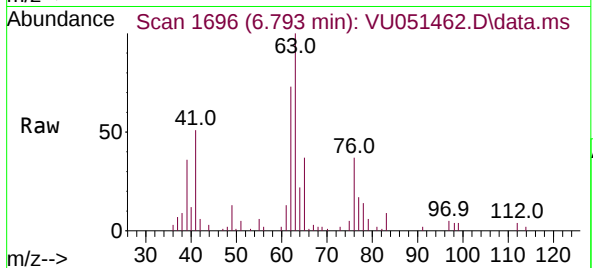
ClientSampleId :

Tgt Ion: 63 Resp: 21218

Ion Ratio Lower Upper

63 100

112 4.5 3.2 4.8



#38

Bromodichloromethane

Concen: 5.995 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

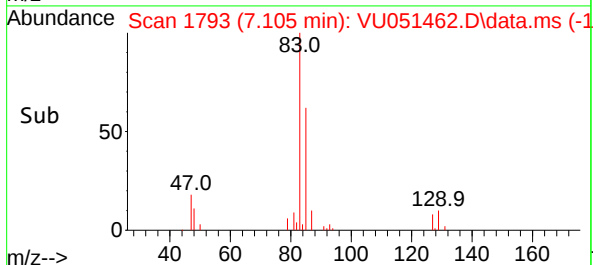
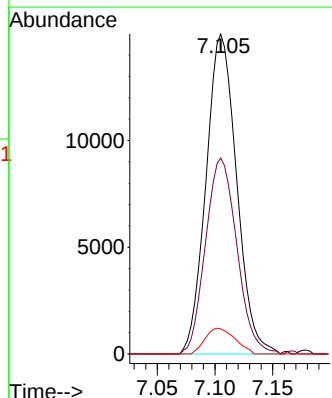
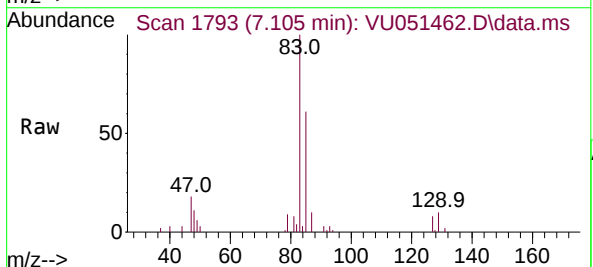
Tgt Ion: 83 Resp: 27621

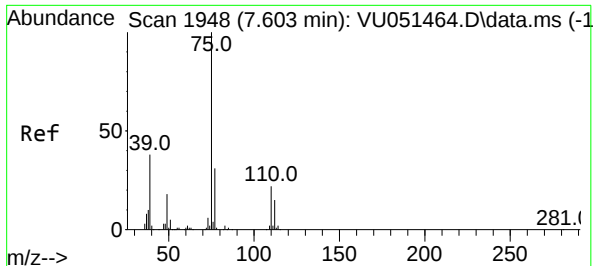
Ion Ratio Lower Upper

83 100

85 61.3 44.9 83.5

127 8.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.662 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

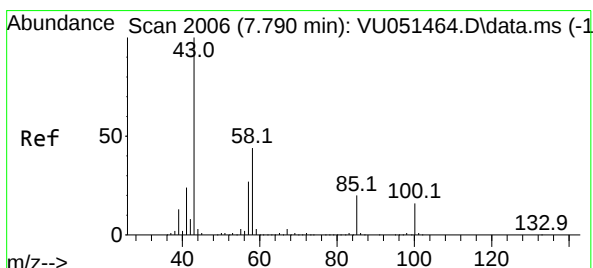
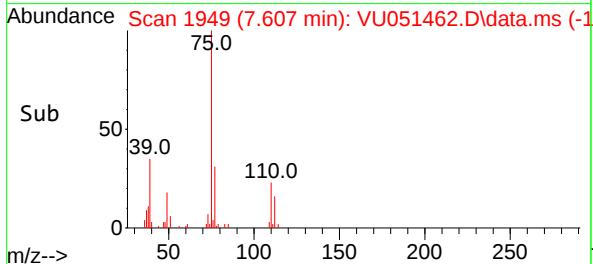
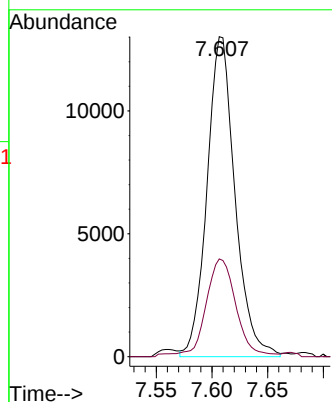
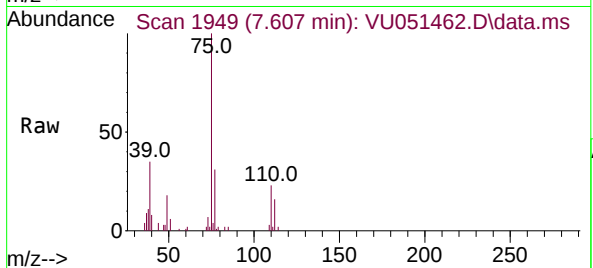
ClientSampleId :

Tgt Ion: 75 Resp: 22769

Ion Ratio Lower Upper

75 100

77 30.6 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 8.510 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

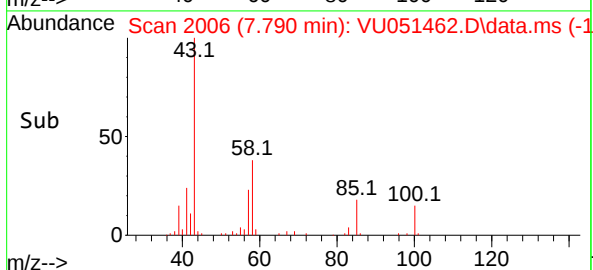
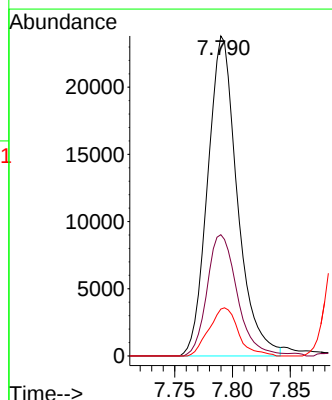
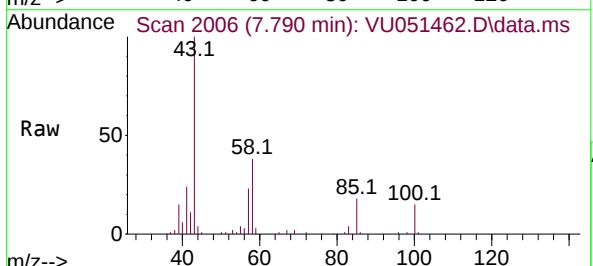
Tgt Ion: 43 Resp: 42504

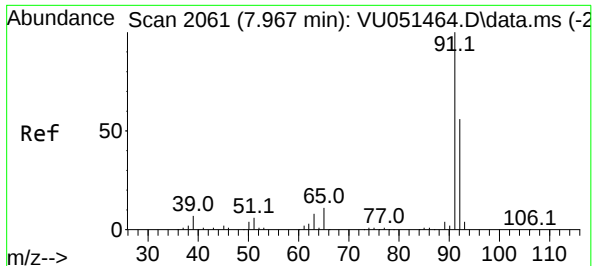
Ion Ratio Lower Upper

43 100

58 38.6 34.4 51.6

100 14.9 12.9 19.3

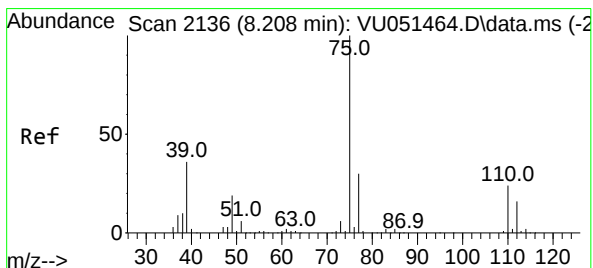
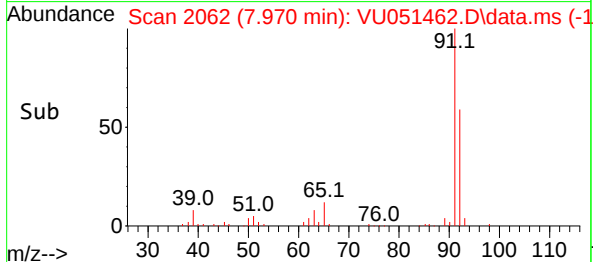
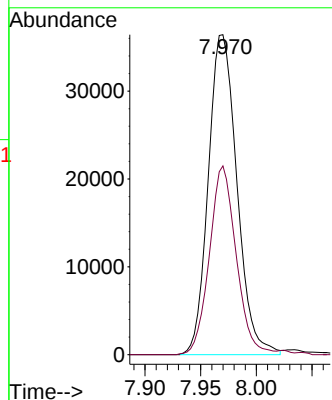
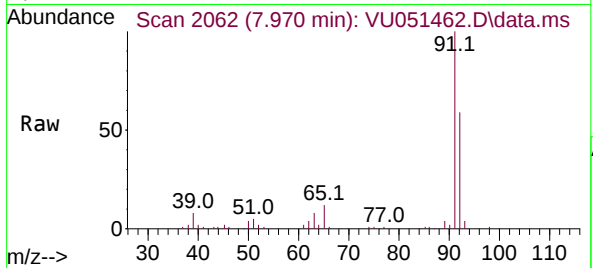




#42
Toluene
Concen: 4.746 ug/L
RT: 7.970 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

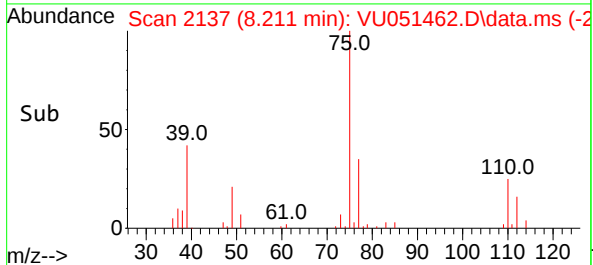
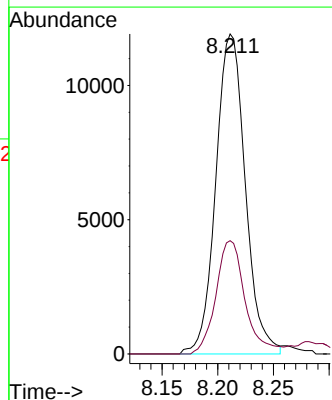
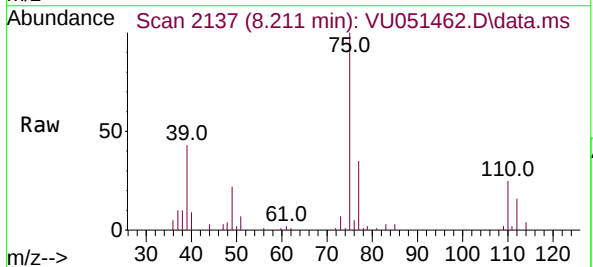
Instrument :
MSVOA_U
ClientSampleId :

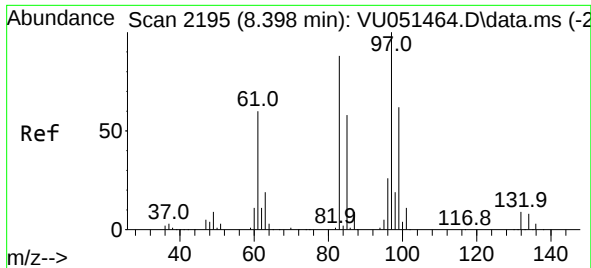
Tgt Ion: 91 Resp: 65248
Ion Ratio Lower Upper
91 100
92 59.0 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 4.474 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

Tgt Ion: 75 Resp: 21947
Ion Ratio Lower Upper
75 100
77 35.4 21.3 39.5

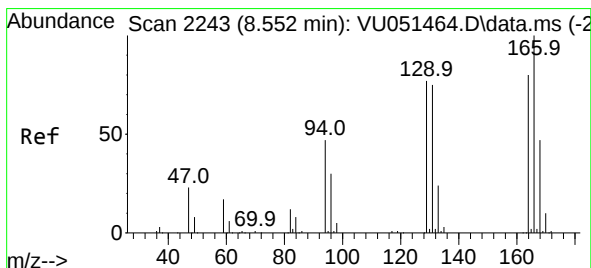
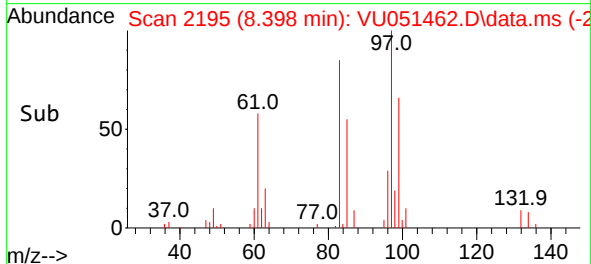
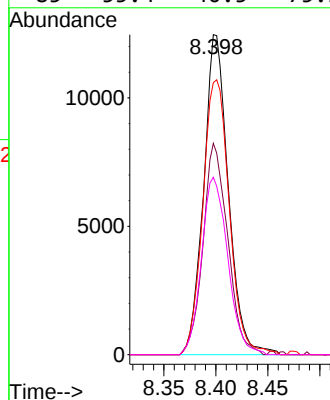
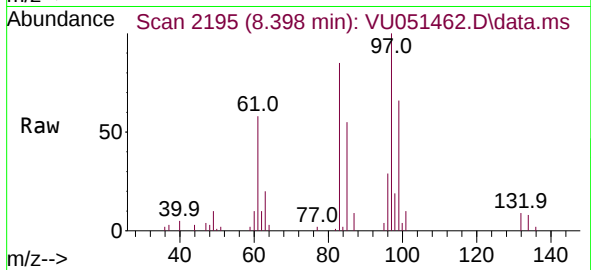




#45
1,1,2-Trichloroethane
Concen: 5.550 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

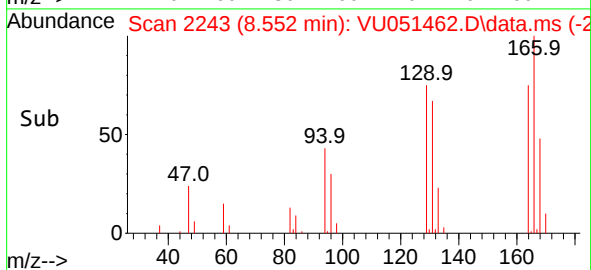
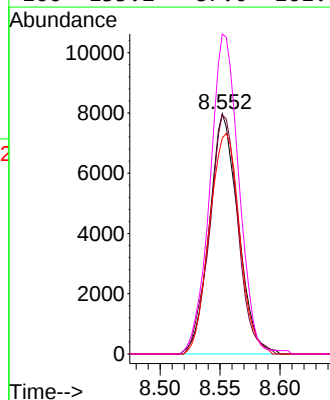
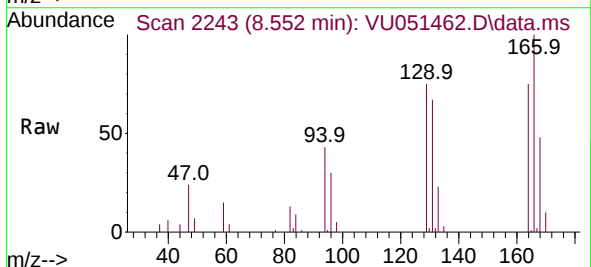
Instrument :
MSVOA_U
ClientSampleId :

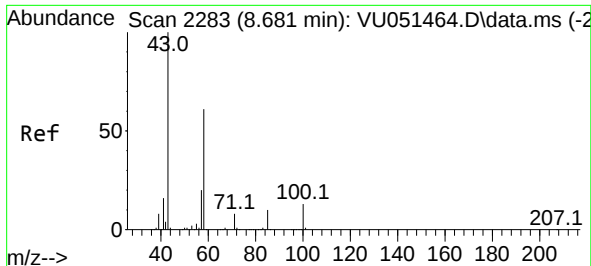
Tgt Ion:	97	Resp:	20648
Ion	Ratio	Lower	Upper
97	100		
99	66.1	43.6	81.0
83	85.0	61.8	114.8
85	55.4	40.5	75.3



#46
Tetrachloroethene
Concen: 5.289 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

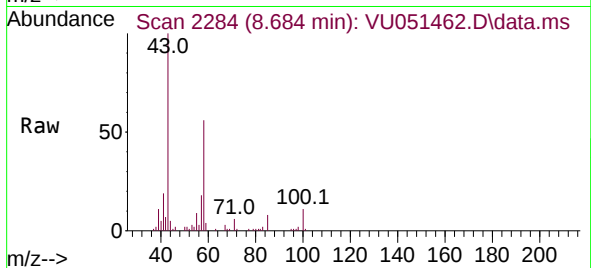
Tgt Ion:	164	Resp:	13301
Ion	Ratio	Lower	Upper
164	100		
129	99.5	67.3	124.9
131	89.9	65.2	121.0
166	133.2	87.0	161.6





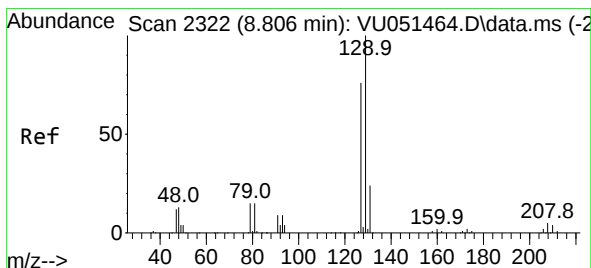
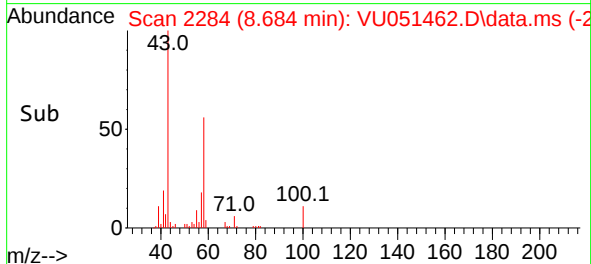
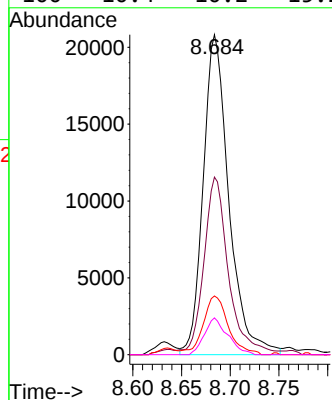
#48
2-Hexanone
Concen: 8.501 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 38207

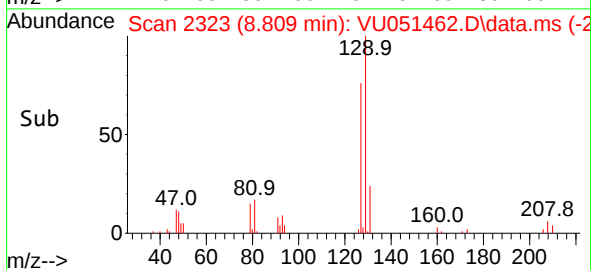
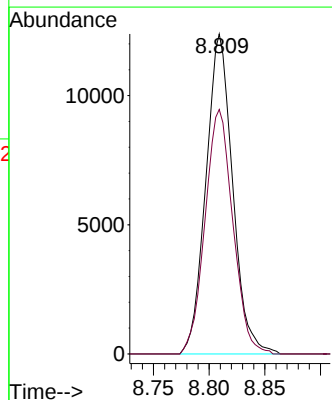
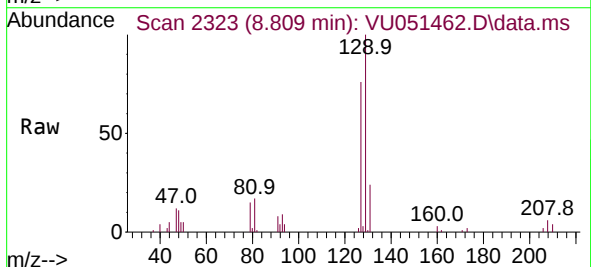
Ion	Ratio	Lower	Upper
43	100		
58	50.7	48.2	72.4
57	17.9	16.4	24.6
100	10.4	10.2	15.2

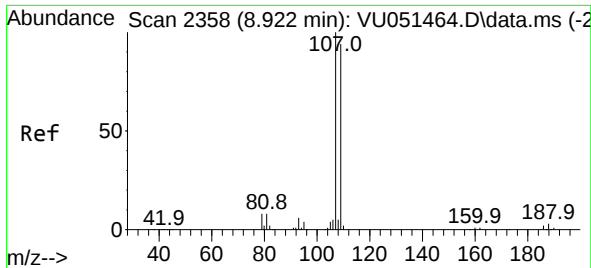


#49
Dibromochloromethane
Concen: 5.310 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

Tgt Ion: 129 Resp: 20662

Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.1	98.5





#50

1,2-Dibromoethane

Concen: 5.169 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051462.D

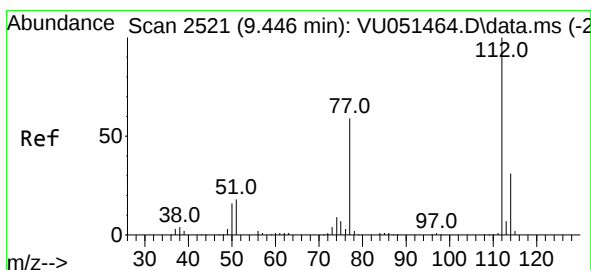
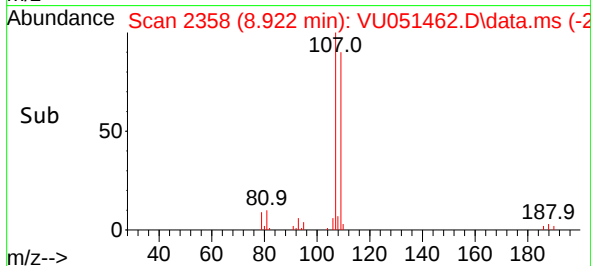
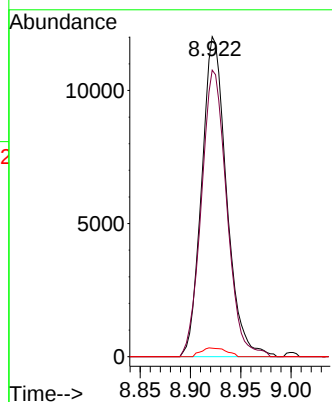
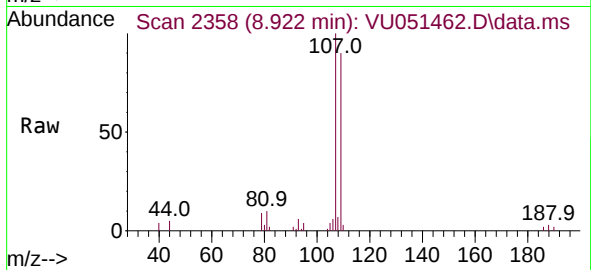
Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	20671
Ion	Ratio	Lower	Upper
107	100		
109	89.5	65.8	122.2
188	2.7	2.7	4.1#



#51

Chlorobenzene

Concen: 5.087 ug/L

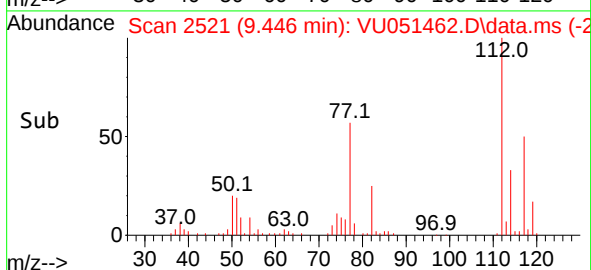
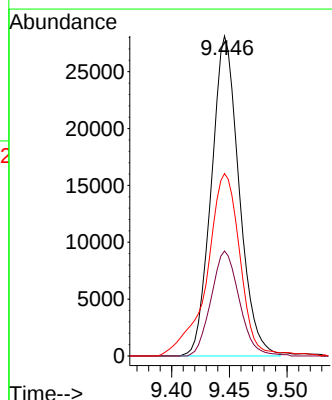
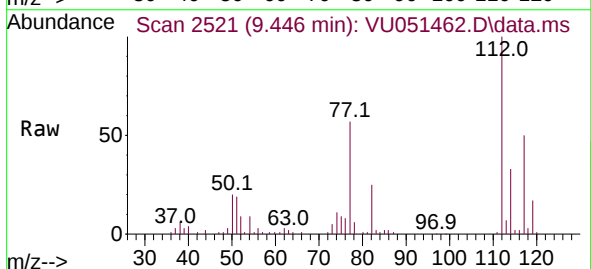
RT: 9.446 min Scan# 2521

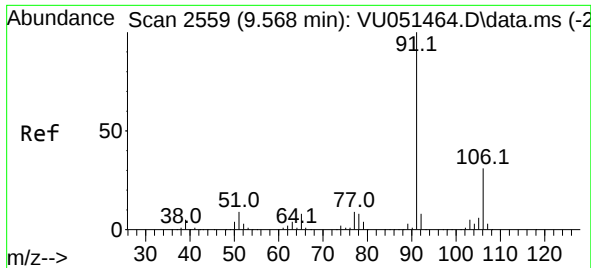
Delta R.T. -0.000 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Tgt Ion:	112	Resp:	47014
Ion	Ratio	Lower	Upper
112	100		
114	32.8	21.9	40.7
77	57.0	47.3	70.9





#52

Ethylbenzene

Concen: 4.121 ug/L

RT: 9.571 min Scan# 2559

Delta R.T. 0.003 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

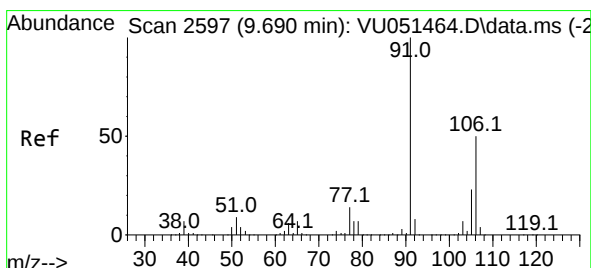
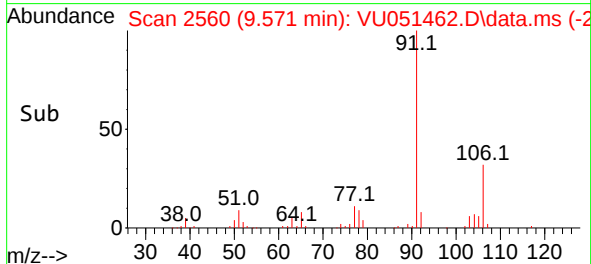
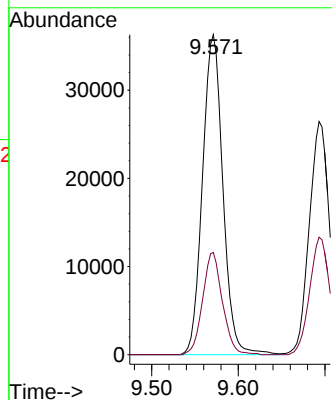
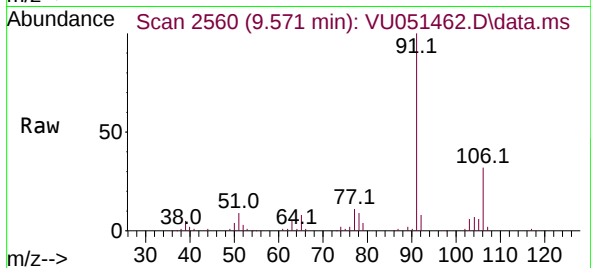
ClientSampleId :

Tgt Ion: 91 Resp: 59283

Ion Ratio Lower Upper

91 100

106 31.9 21.3 39.6



#53

m,p-Xylene

Concen: 4.023 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. 0.003 min

Lab File: VU051462.D

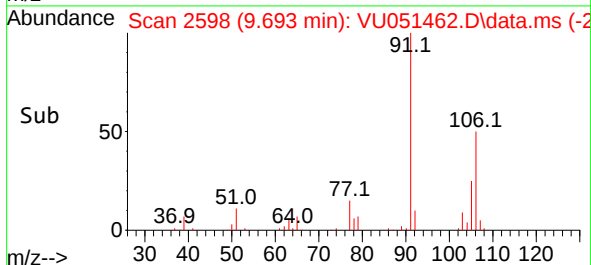
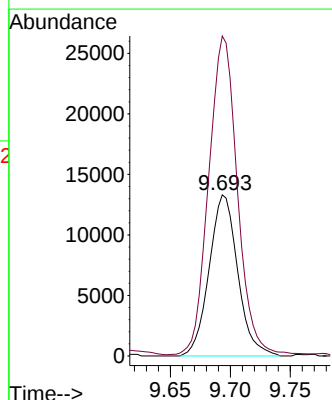
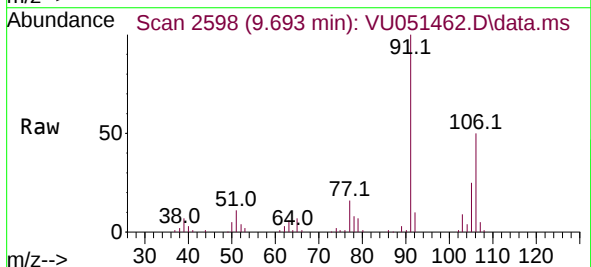
Acq: 20 Oct 2022 09:58

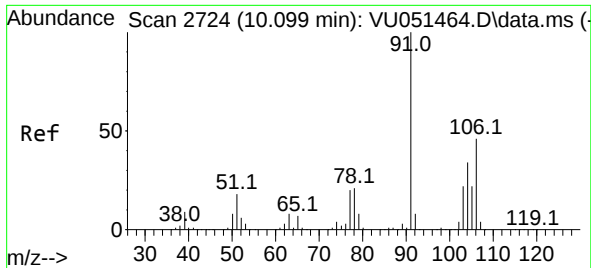
Tgt Ion: 106 Resp: 22050

Ion Ratio Lower Upper

106 100

91 198.5 141.3 262.3

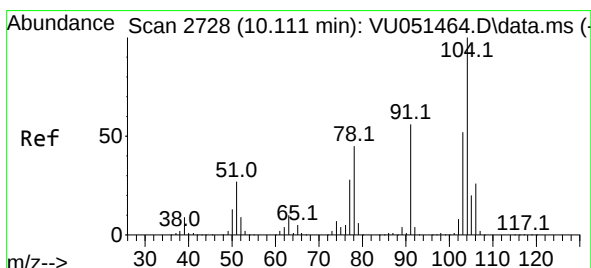
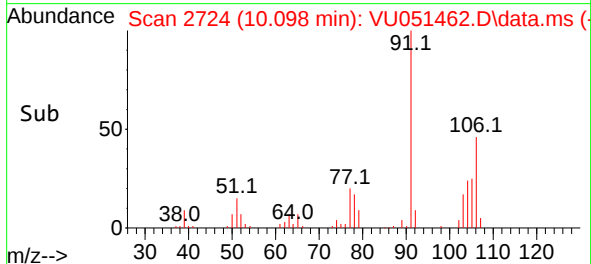
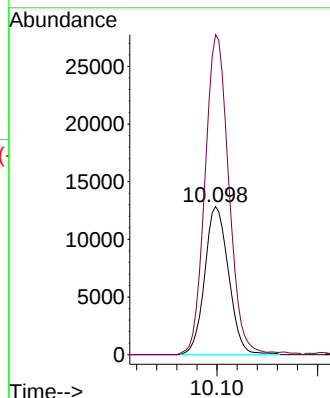
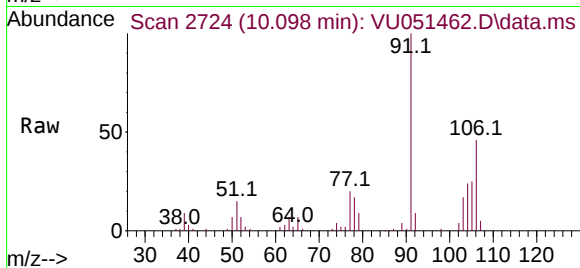




#54
o-Xylene
Concen: 3.884 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

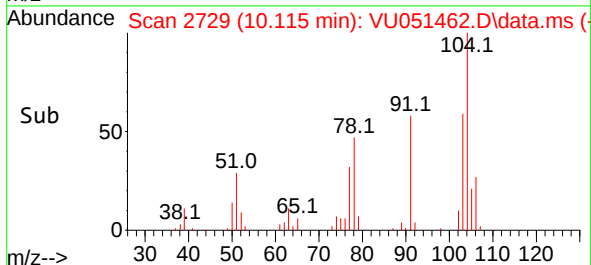
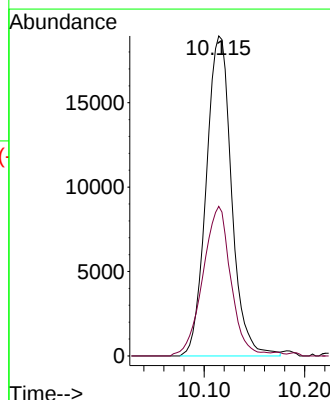
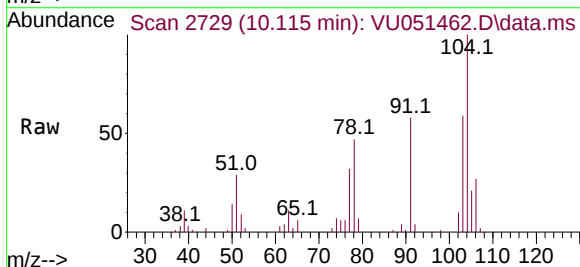
Instrument :
MSVOA_U
ClientSampleId :

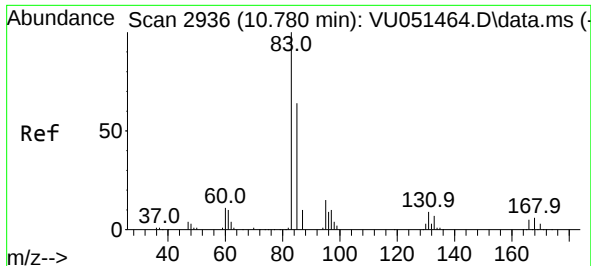
Tgt Ion:106 Resp: 21223
Ion Ratio Lower Upper
106 100
91 216.1 153.2 284.4



#55
Styrene
Concen: 3.518 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

Tgt Ion:104 Resp: 33263
Ion Ratio Lower Upper
104 100
78 46.8 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.706 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051462.D

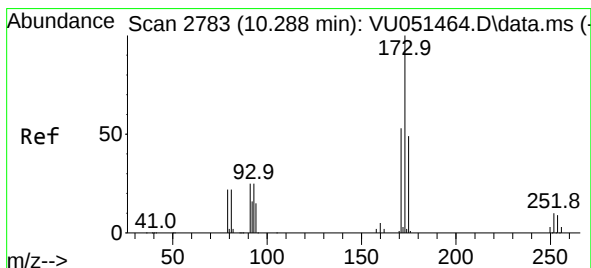
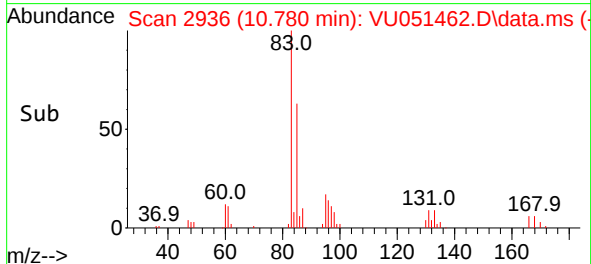
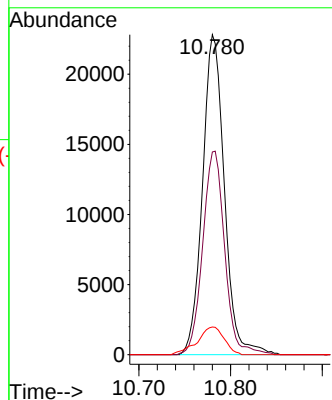
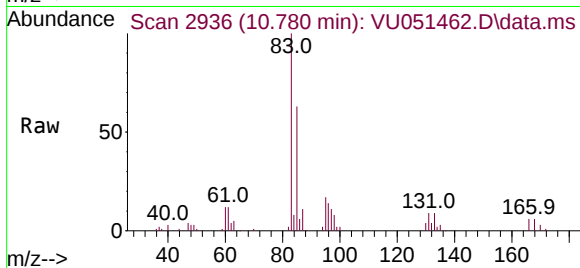
Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	37881
Ion	Ratio	Lower	Upper
83	100		
85	63.4	44.9	83.5
131	8.7	7.4	11.2



#59

Bromoform

Concen: 5.532 ug/L

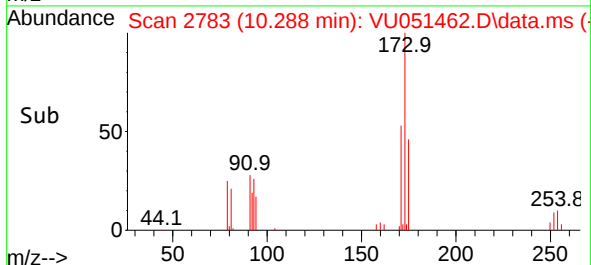
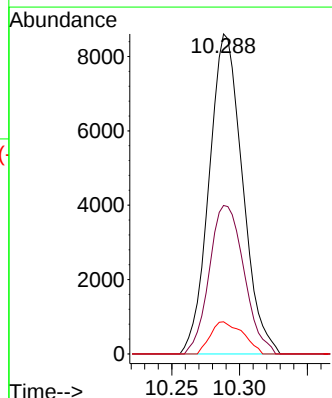
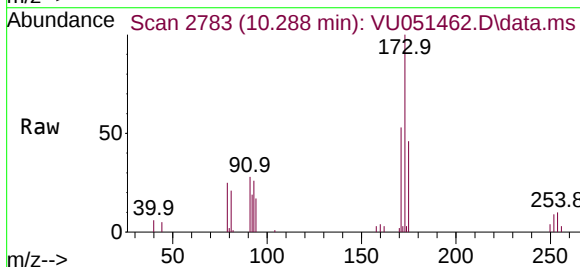
RT: 10.288 min Scan# 2783

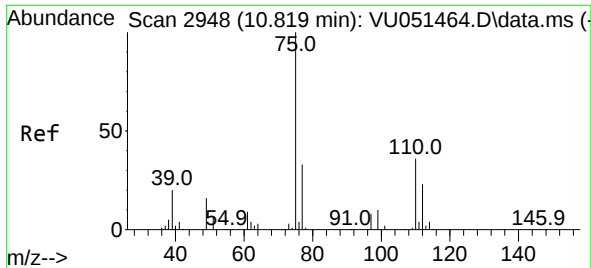
Delta R.T. -0.000 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Tgt Ion:	173	Resp:	14722
Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.4	57.6
254	9.8	7.8	11.6

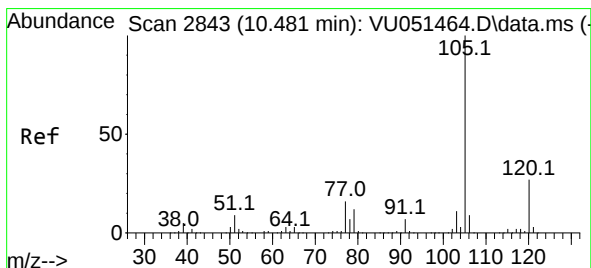
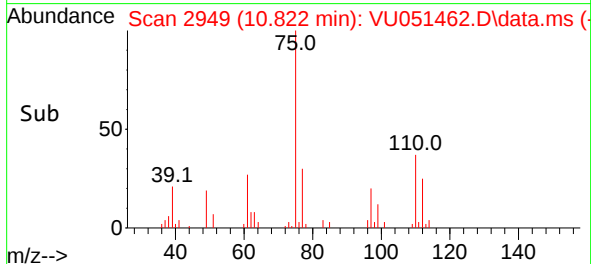
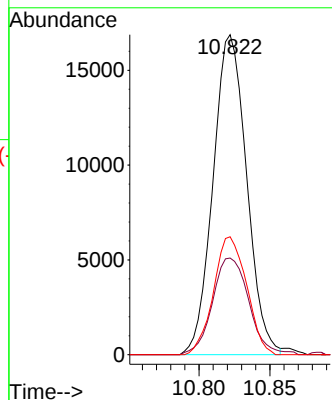
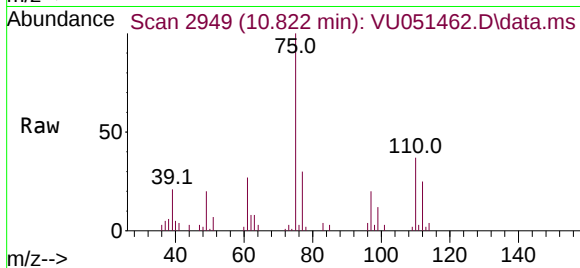




#60
1,2,3-Trichloropropane
Concen: 5.814 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

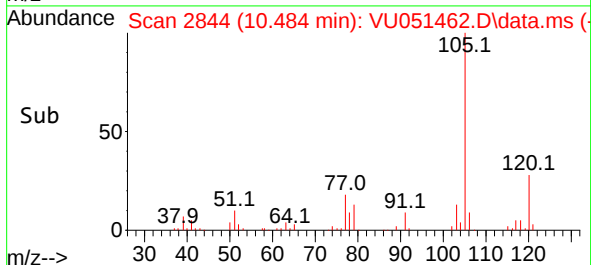
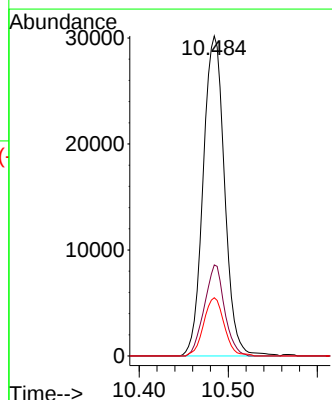
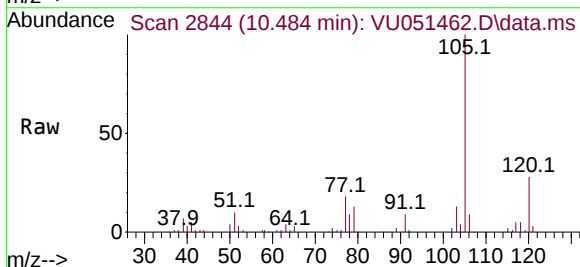
Instrument :
MSVOA_U
ClientSampleId :

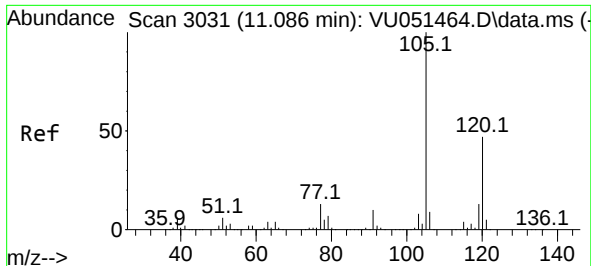
Tgt Ion: 75 Resp: 27836
Ion Ratio Lower Upper
75 100
77 32.6 26.1 39.1
110 36.3 28.7 43.1



#61
Isopropylbenzene
Concen: 4.261 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

Tgt Ion: 105 Resp: 50356
Ion Ratio Lower Upper
105 100
120 26.8 21.1 31.7
77 17.5 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 4.071 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

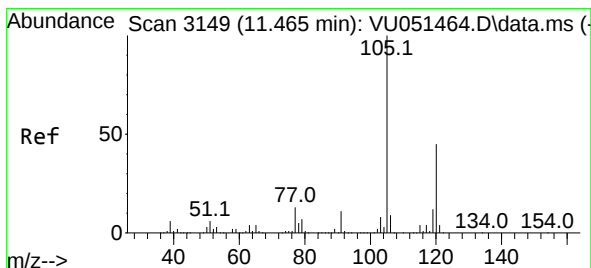
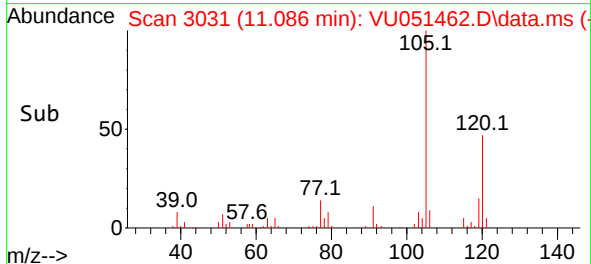
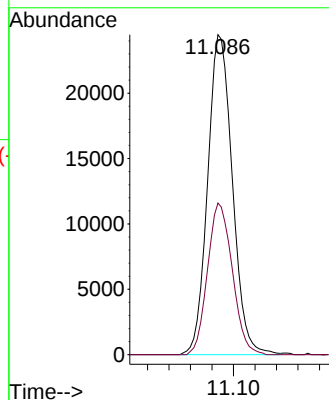
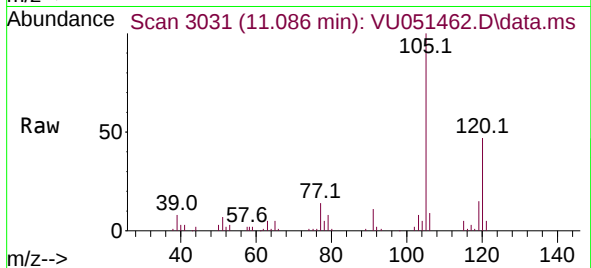
ClientSampleId :

Tgt Ion:105 Resp: 39148

Ion Ratio Lower Upper

105 100

120 47.3 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 3.788 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VU051462.D

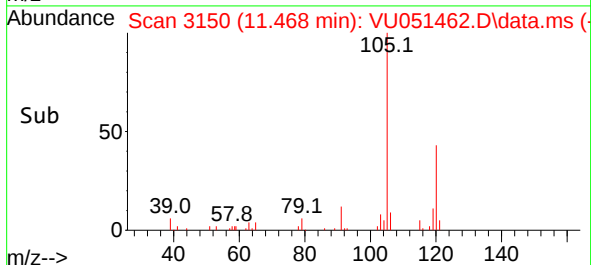
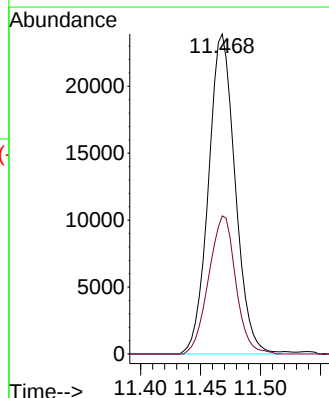
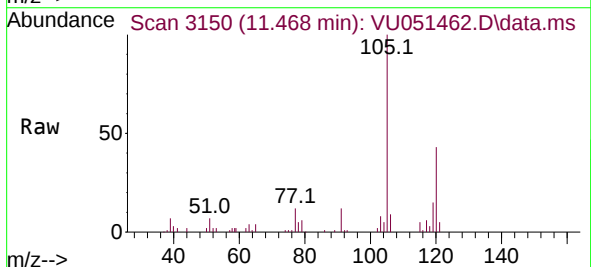
Acq: 20 Oct 2022 09:58

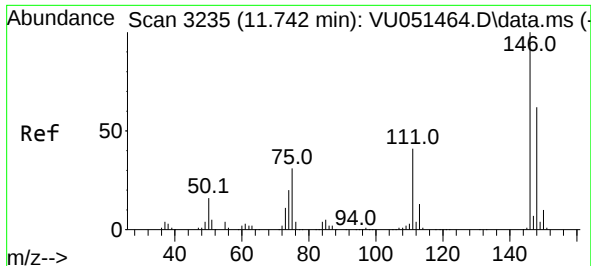
Tgt Ion:105 Resp: 37004

Ion Ratio Lower Upper

105 100

120 43.7 35.4 53.0

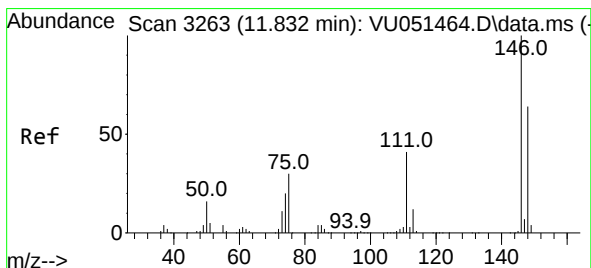
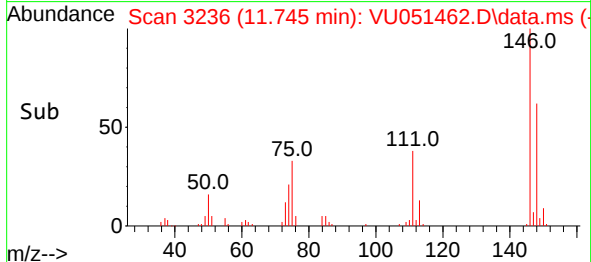
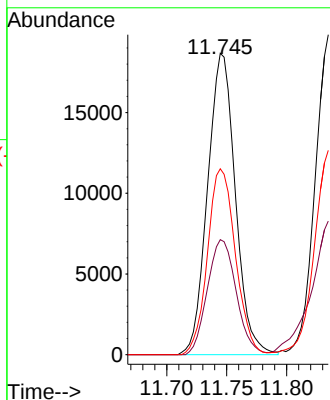
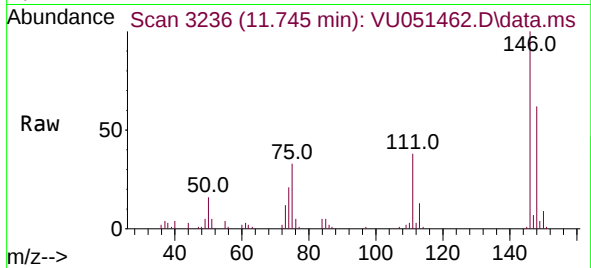




#64
1,3-Dichlorobenzene
Concen: 4.899 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

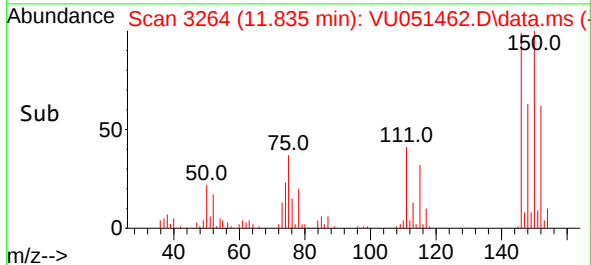
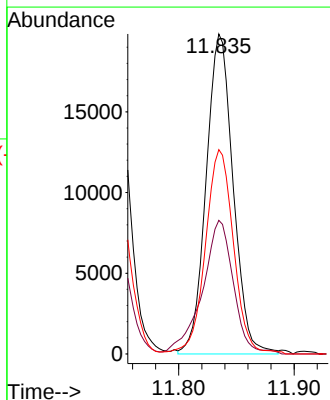
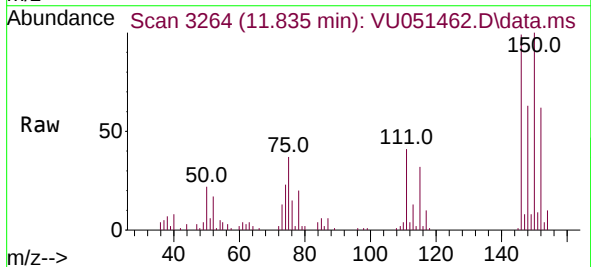
Instrument :
MSVOA_U
ClientSampleId :

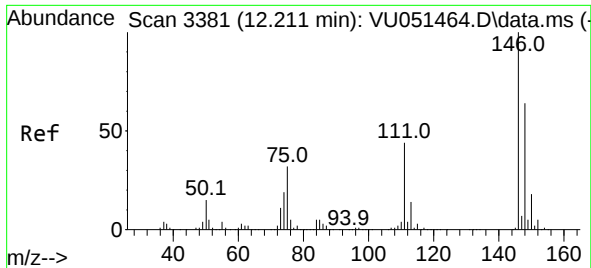
Tgt Ion:146 Resp: 30048
Ion Ratio Lower Upper
146 100
111 38.2 28.7 53.3
148 61.7 43.2 80.2



#65
1,4-Dichlorobenzene
Concen: 5.280 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

Tgt Ion:146 Resp: 32232
Ion Ratio Lower Upper
146 100
111 41.8 28.9 53.7
148 63.8 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 5.313 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

Instrument :

MSVOA_U

ClientSampleId :

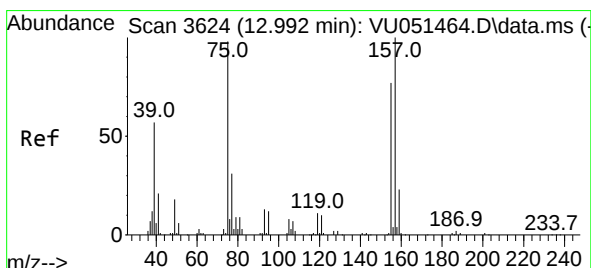
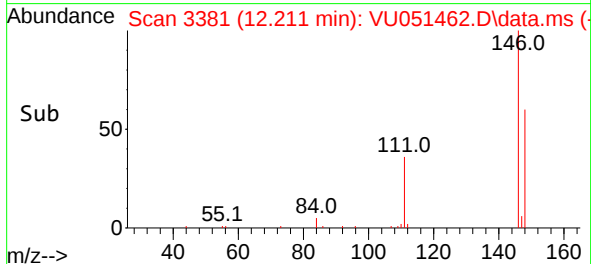
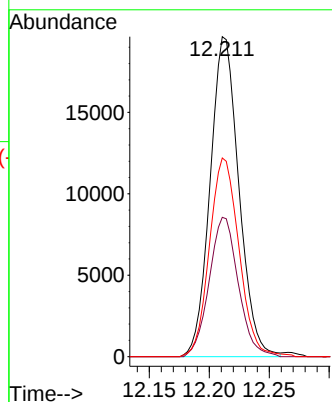
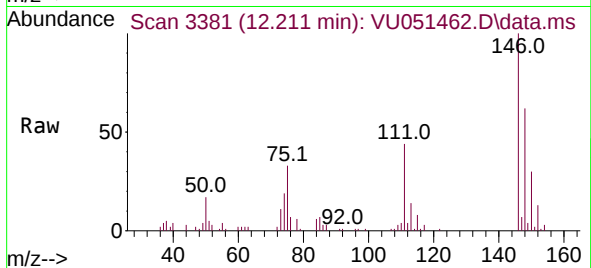
Tgt Ion:146 Resp: 32739

Ion Ratio Lower Upper

146 100

111 43.6 35.3 52.9

148 62.1 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.644 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.006 min

Lab File: VU051462.D

Acq: 20 Oct 2022 09:58

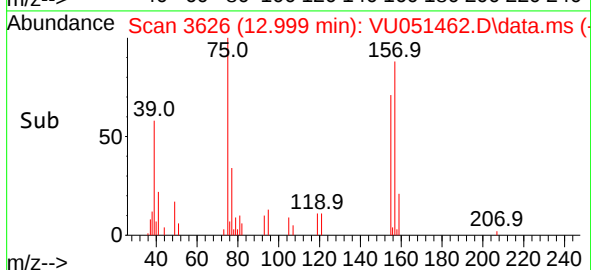
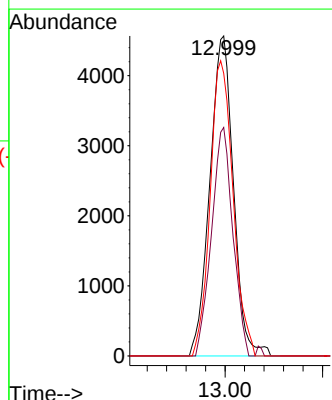
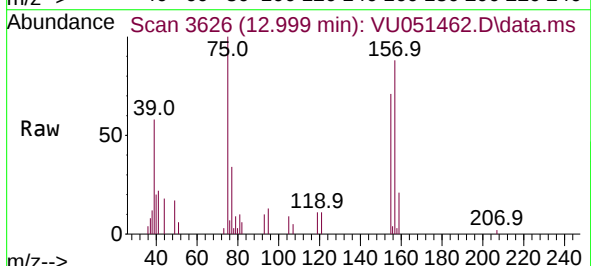
Tgt Ion: 75 Resp: 7678

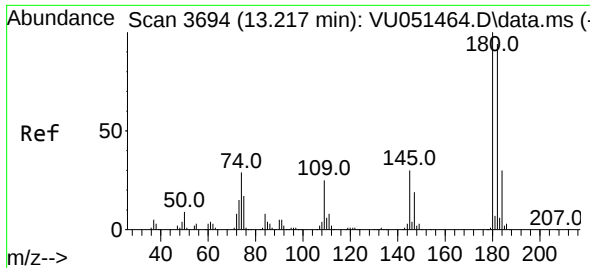
Ion Ratio Lower Upper

75 100

155 75.8 62.5 93.7

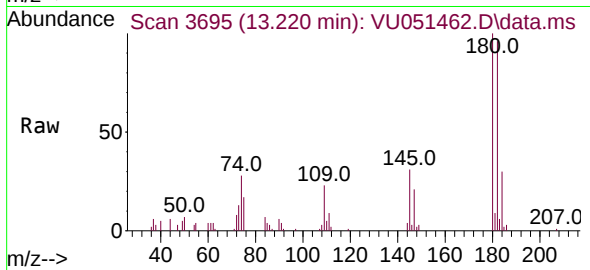
157 88.3 81.6 122.4



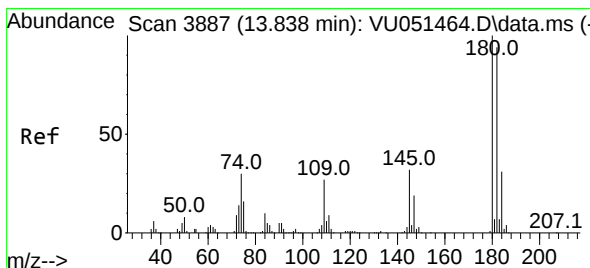
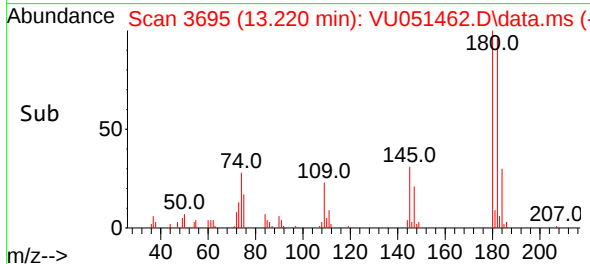
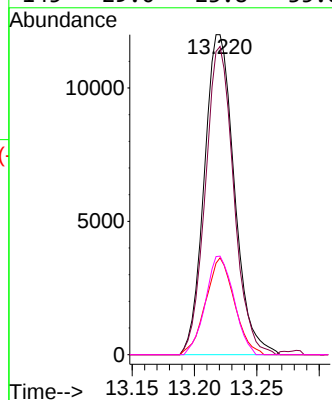


#69
 1,3,5-Trichlorobenzene
 Concen: 4.915 ug/L
 RT: 13.220 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU051462.D
 Acq: 20 Oct 2022 09:58

Instrument :
 MSVOA_U
 ClientSampleId :

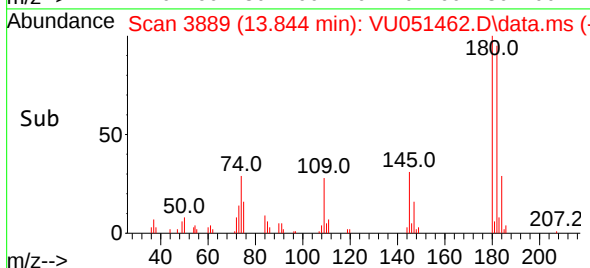
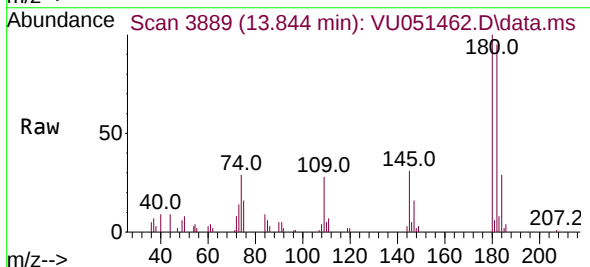
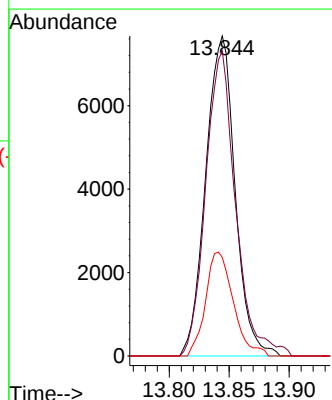


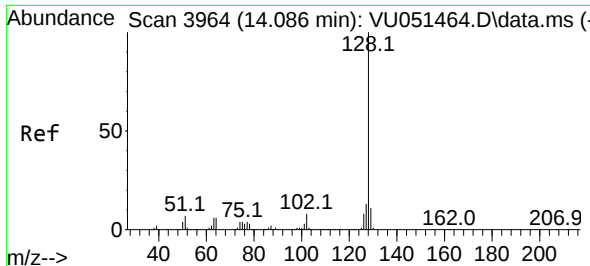
Tgt Ion:180 Resp: 20144
 Ion Ratio Lower Upper
 180 100
 182 91.0 75.6 113.4
 184 28.9 23.9 35.9
 145 29.0 23.8 35.8



#70
 1,2,4-trichlorobenzene
 Concen: 3.942 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.006 min
 Lab File: VU051462.D
 Acq: 20 Oct 2022 09:58

Tgt Ion:180 Resp: 13097
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.2 114.4
 145 30.5 25.0 37.6

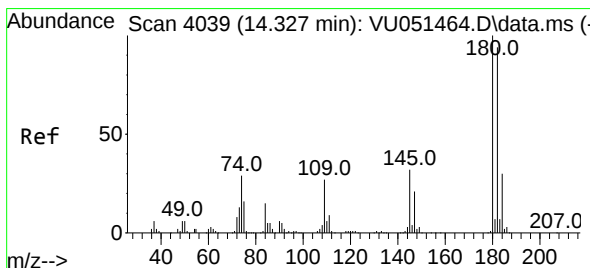
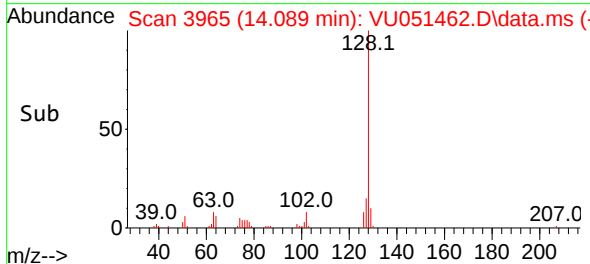
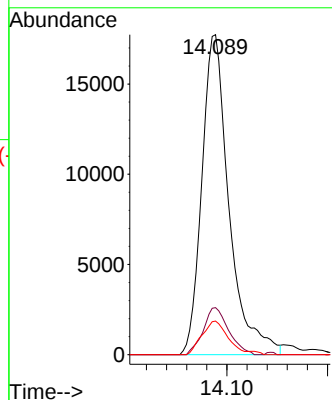
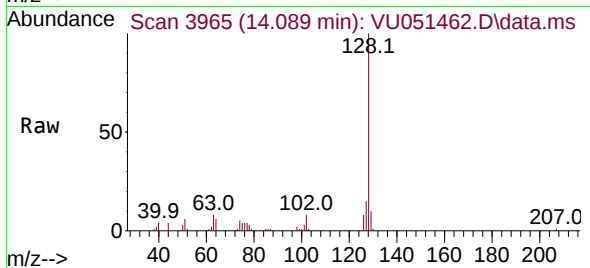




#71
Naphthalene
Concen: 2.842 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	128	Resp:	33300
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.5	15.7
129	9.9	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 3.689 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU051462.D
Acq: 20 Oct 2022 09:58

Tgt Ion:	180	Resp:	13703
Ion Ratio	Lower	Upper	
180	100		
182	98.3	75.4	113.2
145	33.6	25.3	37.9

