

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100722\
 Data File : VU051213.D
 Acq On : 07 Oct 2022 11:34
 Operator : JC/MD
 Sample : VSTD0.556
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5056

Quant Time: Oct 08 00:24:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 08 00:22:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	173818	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	182243	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	70093	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	8005	0.575	ug/L	0.00
7) Chloroethane-d5	1.912	69	7192	0.618	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	65	3068	0.503	ug/L	0.00
20) 2-Butanone-d5	4.658	46	15557	3.313	ug/L	0.02
24) Chloroform-d	5.063	84	14828	0.491	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	8517	0.488	ug/L	0.00
32) Benzene-d6	5.729	84	26610	0.444	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	9262	0.451	ug/L	0.00
41) Toluene-d8	7.899	98	21656	0.410	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	2937	0.398	ug/L	0.00
46) 2-Hexanone-d5	8.636	63	6917	2.414	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	7552	0.439	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	7171	0.513	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	6188	0.363	ug/L	90
3) Chloromethane	1.520	50	10579	0.482	ug/L	99
5) Vinyl chloride	1.600	62	8966	0.480	ug/L	91
6) Bromomethane	1.854	94	5502	0.540	ug/L	88
8) Chloroethane	1.932	64	6172	0.560	ug/L	93
9) Trichlorofluoromethane	2.134	101	10593	0.471	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	6510	0.571	ug/L	98
12) 1,1-Dichloroethene	2.578	96	6134	0.535	ug/L	95
13) Acetone	2.652	43	4649	1.591	ug/L	88
14) Carbon disulfide	2.790	76	19104	0.540	ug/L	98
15) Methyl Acetate	2.967	43	2659	0.365	ug/L #	70
16) Methylene chloride	3.044	84	12213	0.487	ug/L	97
17) Methyl tert-butyl Ether	3.366	73	12536	0.354	ug/L	98
18) trans-1,2-Dichloroethene	3.356	96	6249	0.476	ug/L	97
19) 1,1-Dichloroethane	3.870	63	13013	0.461	ug/L	95
21) 2-Butanone	4.822	43	674	0.139	ug/L	95
22) cis-1,2-Dichloroethene	4.665	96	6621	0.441	ug/L	100
23) Bromochloromethane	4.980	128	3348	0.486	ug/L #	91
25) Chloroform	5.089	83	14515	0.485	ug/L	91
27) 1,2-Dichloroethane	5.800	62	8521	0.423	ug/L #	92
29) 1,1,1-Trichloroethane	5.314	97	10113	0.413	ug/L	94
30) Cyclohexane	5.385	56	6648	0.339	ug/L	98
31) Carbon tetrachloride	5.526	117	8285	0.417	ug/L	99
33) Benzene	5.774	78	26803	0.413	ug/L	100
34) Trichloroethene	6.546	95	6807	0.435	ug/L	93
35) Methylcyclohexane	6.761	83	6936	0.362	ug/L	95
37) 1,2-Dichloropropane	6.793	63	7759	0.422	ug/L #	97
38) Bromodichloromethane	7.108	83	8821	0.387	ug/L	86
39) cis-1,3-Dichloropropene	7.607	75	8571	0.363	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	31031	2.527	ug/L	95
42) Toluene	7.970	91	30961	0.477	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	6928	0.336	ug/L	93

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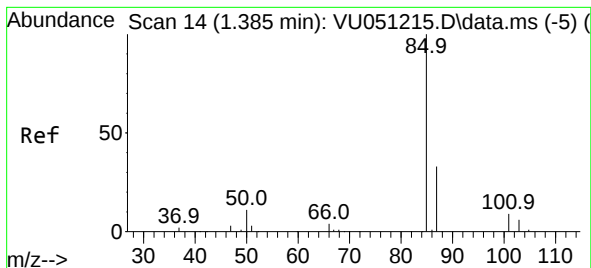
Instrument :
 MSVOA_U
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Quant Time: Oct 08 00:24:07 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.401	97	5629	0.428	ug/L	95
47) Tetrachloroethene	8.552	164	5934	0.553	ug/L	95
48) 2-Hexanone	8.690	43	20439	2.226	ug/L	98
49) Dibromochloromethane	8.809	129	6128	0.421	ug/L	84
50) 1,2-Dibromoethane	8.925	107	4592	0.395	ug/L #	98
51) Chlorobenzene	9.449	112	16842	0.408	ug/L	97
52) Ethylbenzene	9.571	91	21359	0.328	ug/L	96
53) m,p-Xylene	9.693	106	8238	0.339	ug/L	87
54) o-Xylene	10.102	106	7520	0.316	ug/L	94
55) Styrene	10.118	104	12317	0.302	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.783	83	6792	0.405	ug/L	92
59) Bromoform	10.291	173	3127	0.523	ug/L #	96
60) Isopropylbenzene	10.484	105	17616	0.389	ug/L	96
61) 1,2,3-Trichloropropane	10.825	75	4717	0.517	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	5132	0.155	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	12320	0.339	ug/L	95
64) 1,3-Dichlorobenzene	11.748	146	10243	0.454	ug/L	95
65) 1,4-Dichlorobenzene	11.835	146	10385	0.464	ug/L	96
67) 1,2-Dichlorobenzene	12.214	146	10348	0.463	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	781	0.389	ug/L #	88
69) 1,3,5-Trichlorobenzene	13.221	180	7468	0.453	ug/L	95
70) 1,2,4-trichlorobenzene	13.848	180	4255	0.313	ug/L	95
71) Naphthalene	14.092	128	7684	0.293	ug/L	95
72) 1,2,3-Trichlorobenzene	14.333	180	4692	0.357	ug/L	98

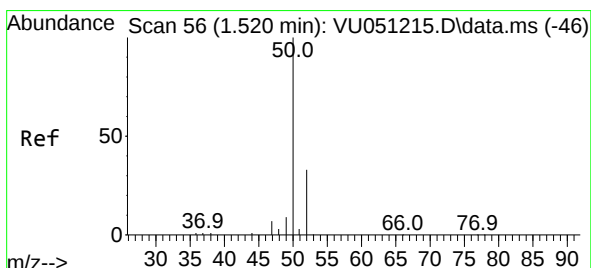
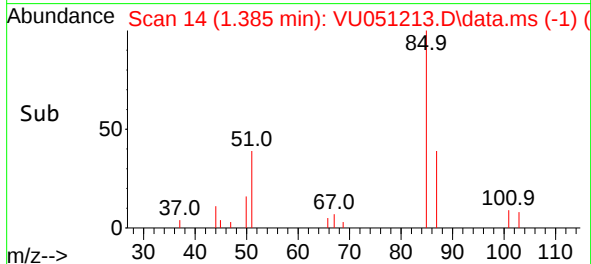
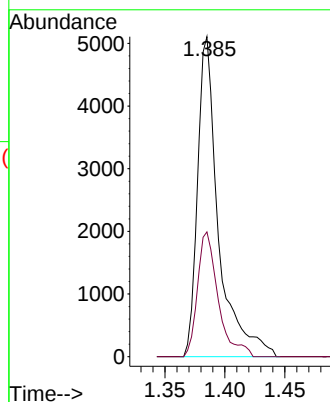
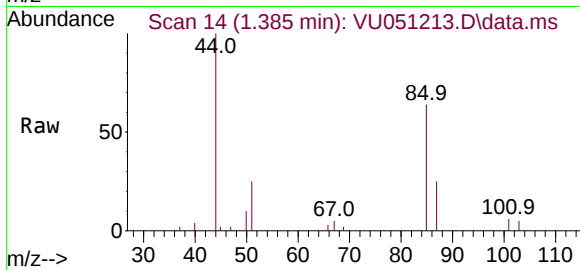
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.363 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

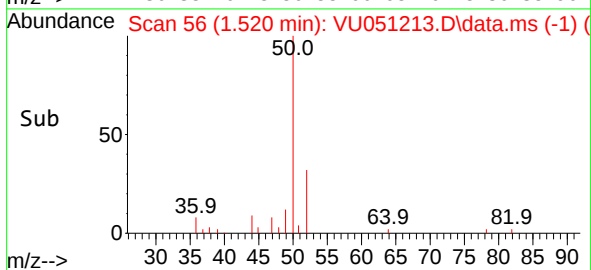
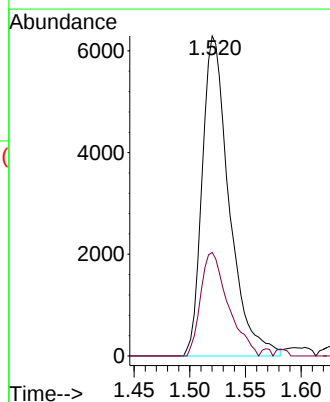
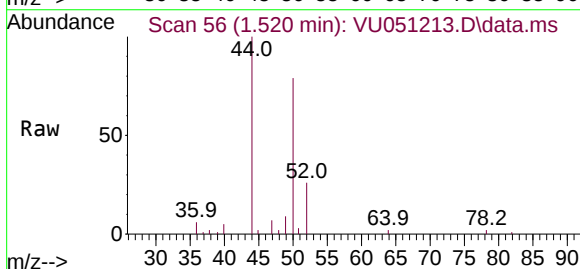
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5056

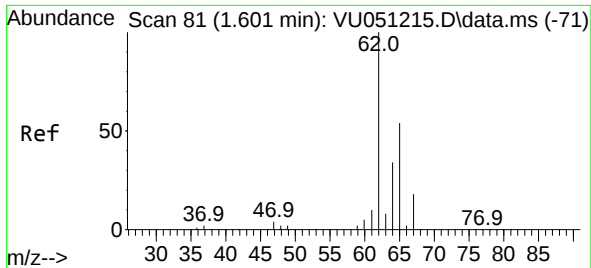
Tgt Ion: 85 Resp: 6188
Ion Ratio Lower Upper
85 100
87 38.6 26.2 39.4



#3
Chloromethane
Concen: 0.482 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Tgt Ion: 50 Resp: 10579
Ion Ratio Lower Upper
50 100
52 32.3 22.9 42.5

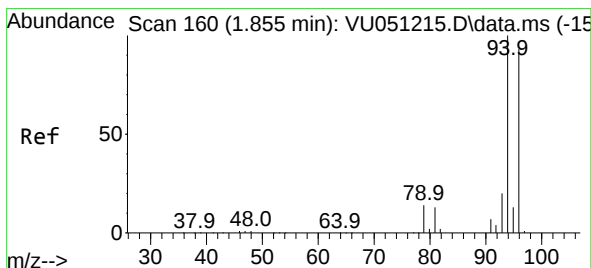
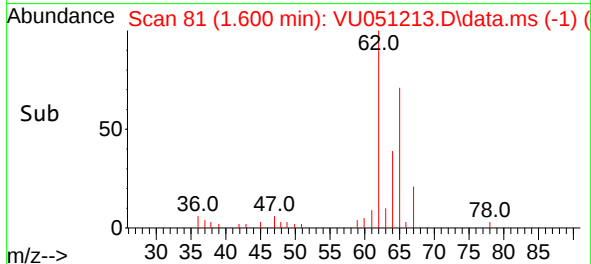
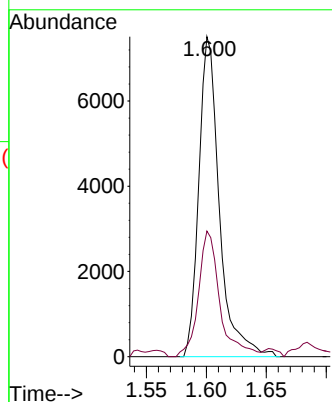
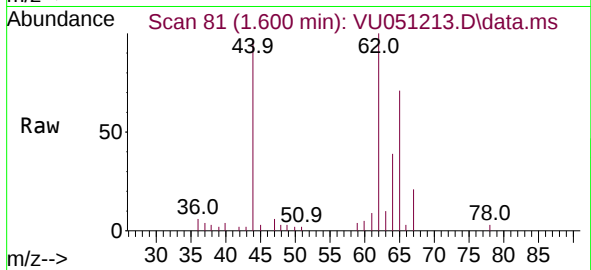




#5
 Vinyl chloride
 Concen: 0.480 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051213.D
 Acq: 07 Oct 2022 11:34

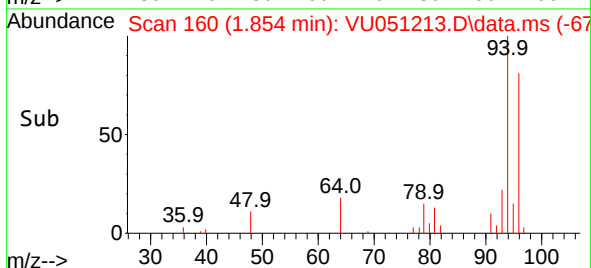
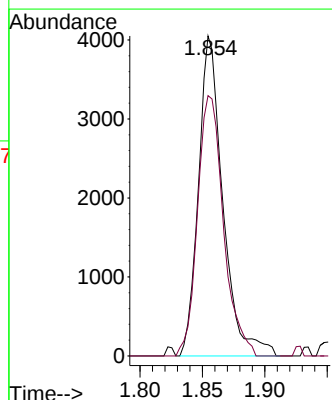
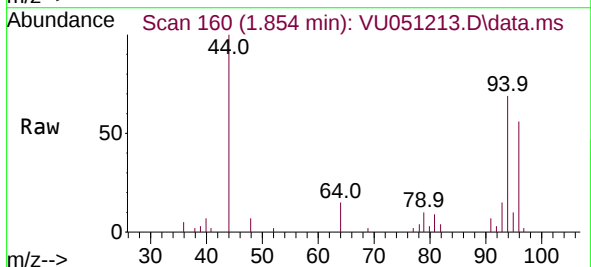
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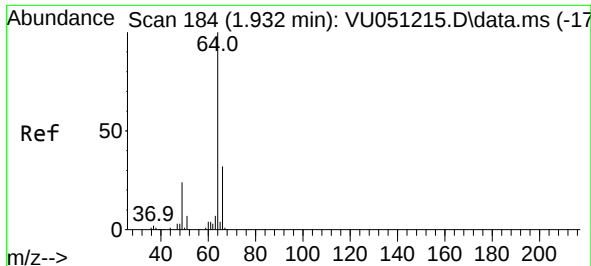
Tgt Ion: 62 Resp: 8966
 Ion Ratio Lower Upper
 62 100
 64 39.3 24.0 44.6



#6
 Bromomethane
 Concen: 0.540 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VU051213.D
 Acq: 07 Oct 2022 11:34

Tgt Ion: 94 Resp: 5502
 Ion Ratio Lower Upper
 94 100
 96 81.3 64.9 120.5

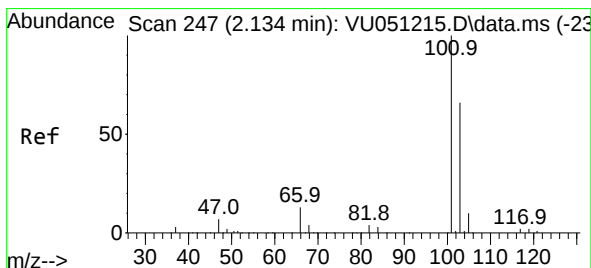
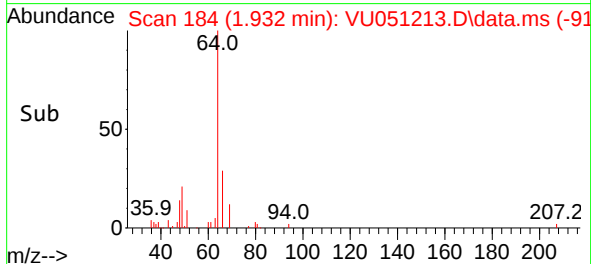
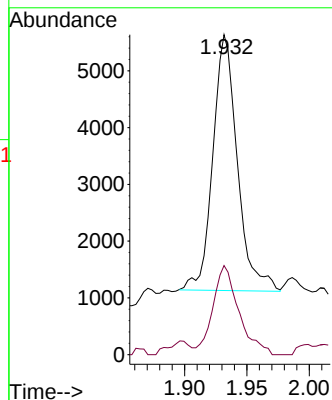
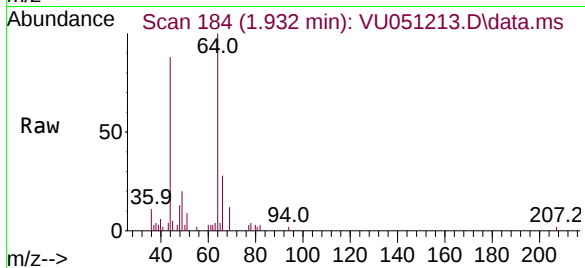




#8
Chloroethane
Concen: 0.560 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

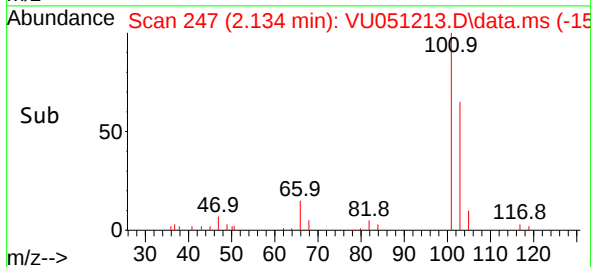
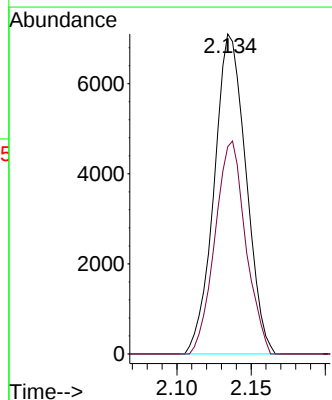
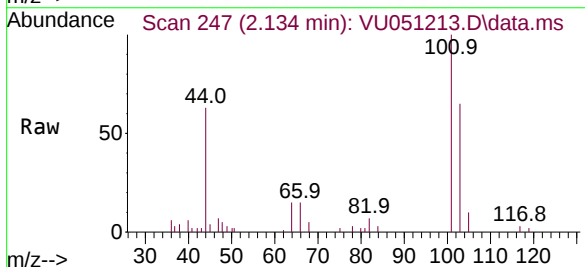
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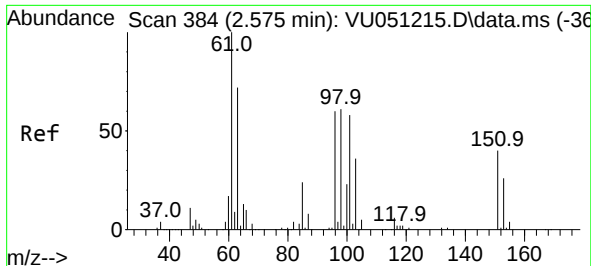
Tgt Ion: 64 Resp: 6172
Ion Ratio Lower Upper
64 100
66 27.9 22.3 41.3



#9
Trichlorofluoromethane
Concen: 0.471 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Tgt Ion: 101 Resp: 10593
Ion Ratio Lower Upper
101 100
103 64.1 52.2 78.2





#10

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

Concen: 0.571 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5056

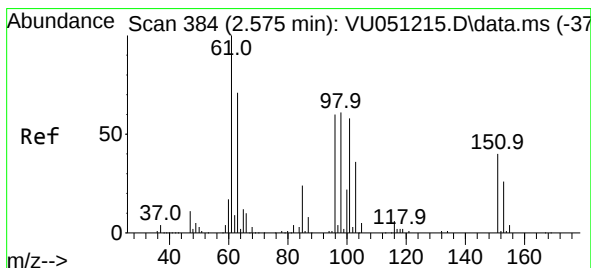
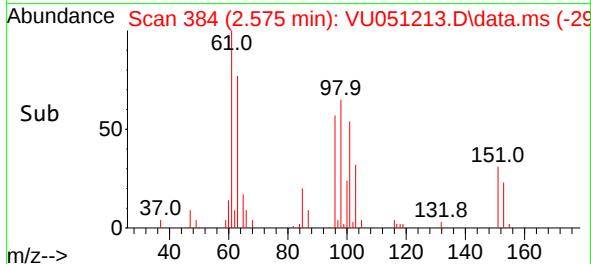
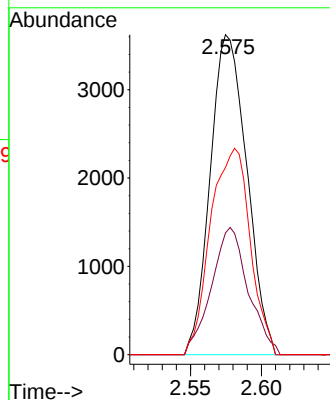
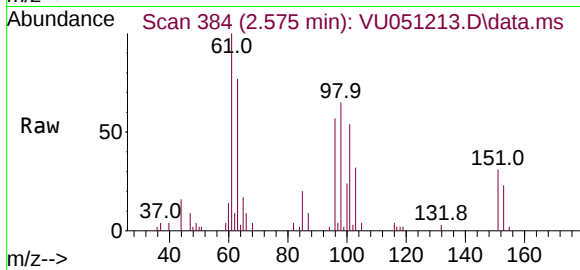
Tgt Ion:101 Resp: 6510

Ion Ratio Lower Upper

101 100

85 40.1 34.6 51.8

151 69.8 56.5 84.7



#12

1,1-Dichloroethene

Concen: 0.535 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

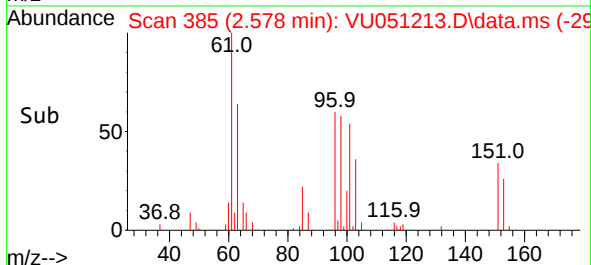
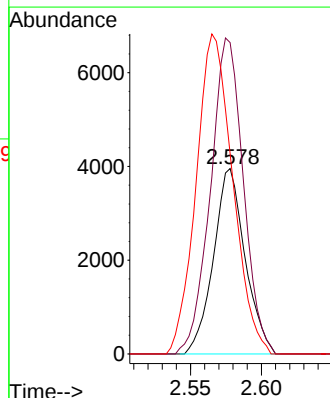
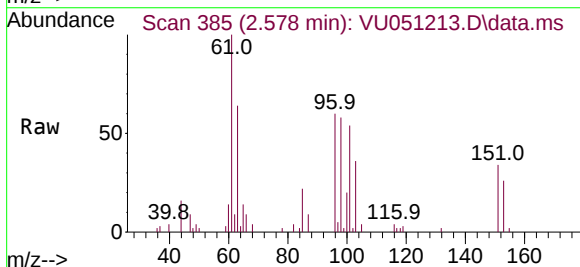
Tgt Ion: 96 Resp: 6134

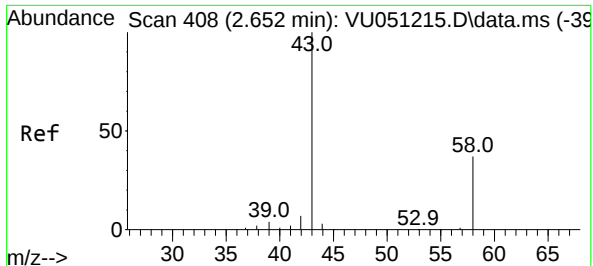
Ion Ratio Lower Upper

96 100

61 167.9 117.6 218.4

63 108.0 85.2 158.2





#13

Acetone

Concen: 1.591 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.000 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

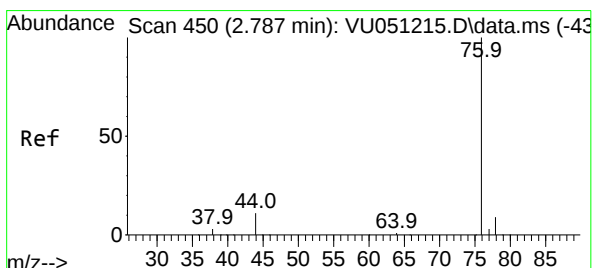
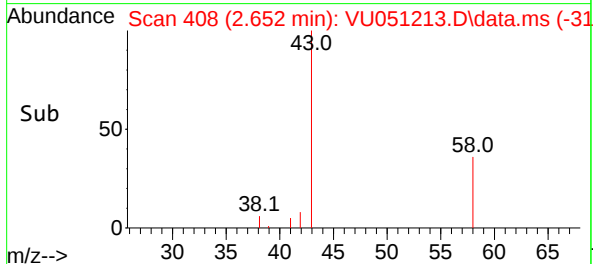
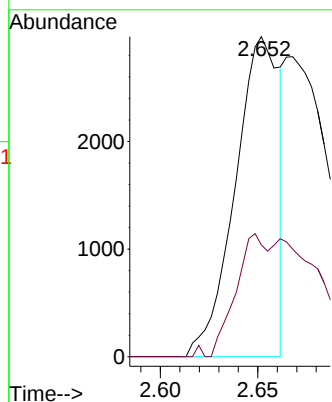
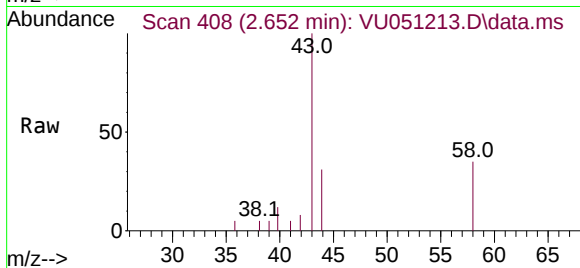
VSTD0.5056

Tgt Ion: 43 Resp: 4649

Ion Ratio Lower Upper

43 100

58 27.6 0.0 68.8



#14

Carbon disulfide

Concen: 0.540 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU051213.D

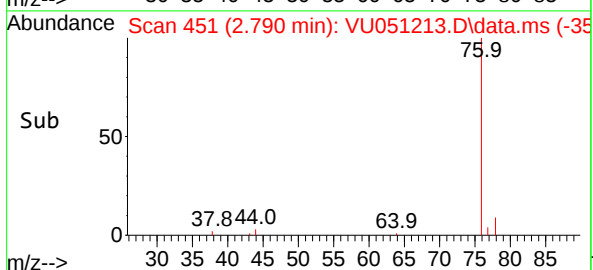
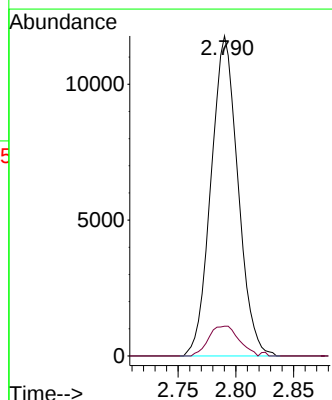
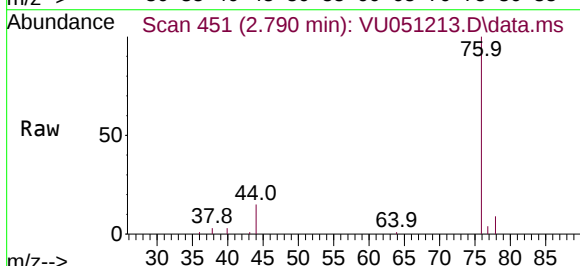
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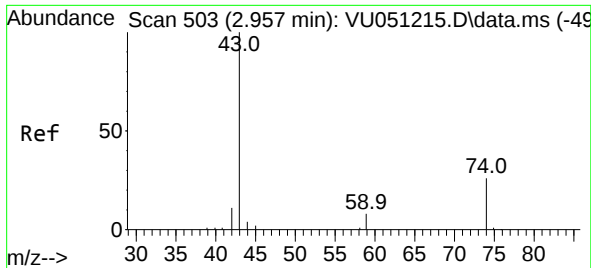
Tgt Ion: 76 Resp: 19104

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

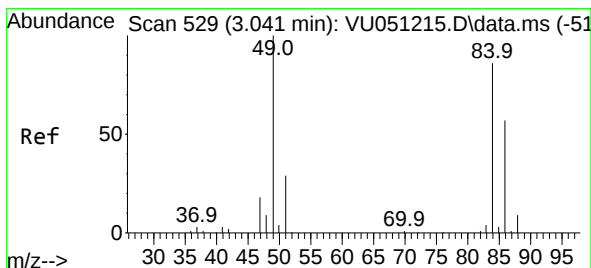
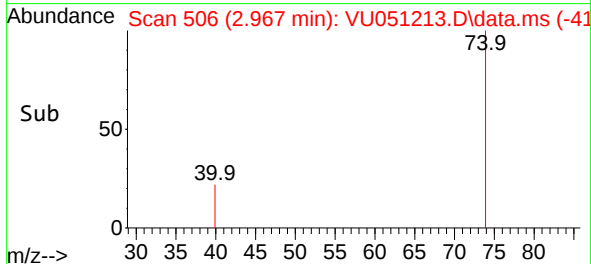
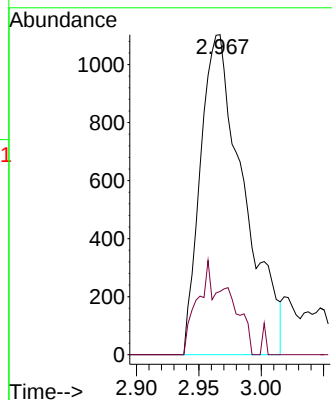
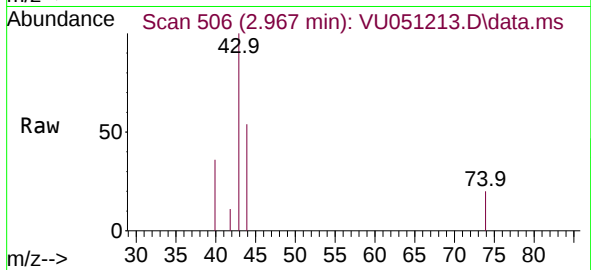




#15
Methyl Acetate
Concen: 0.365 ug/L
RT: 2.967 min Scan# 503
Delta R.T. 0.010 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

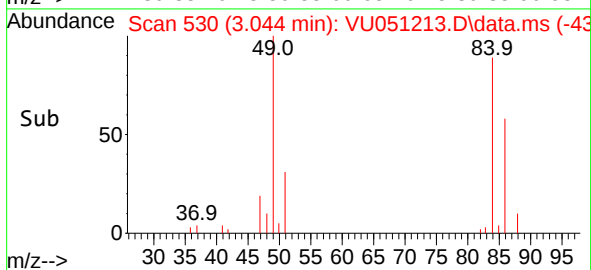
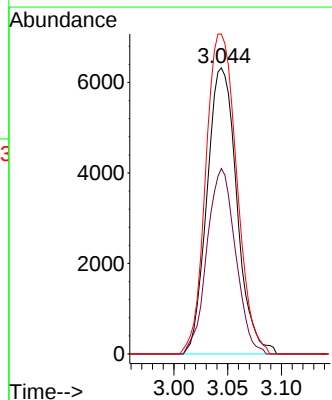
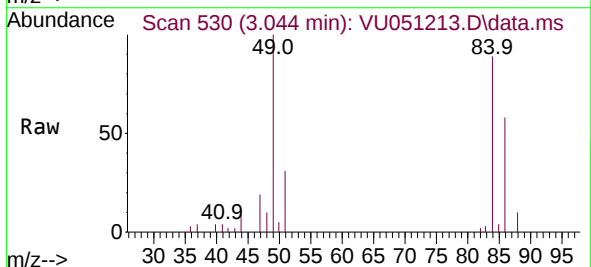
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ClientSampleId :
VSTD0.5056

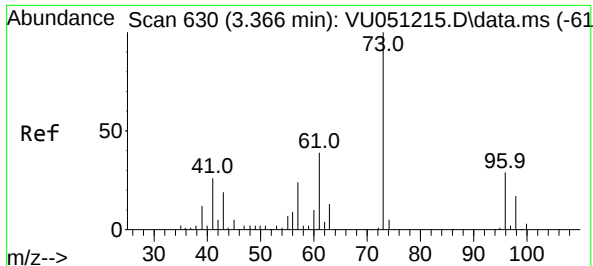
Tgt Ion: 43 Resp: 2659
Ion Ratio Lower Upper
43 100
74 10.1 20.0 30.0#



#16
Methylene chloride
Concen: 0.487 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Tgt Ion: 84 Resp: 12213
Ion Ratio Lower Upper
84 100
86 64.8 46.5 86.3
49 111.8 81.3 151.1





#17

Methyl tert-butyl Ether

Concen: 0.354 ug/L

RT: 3.366 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5056

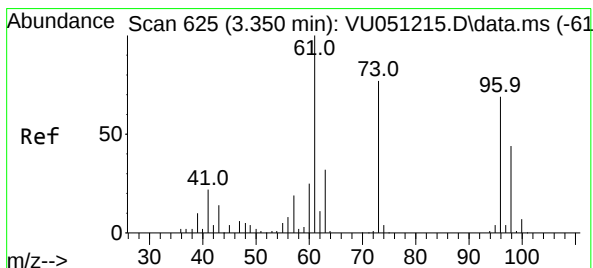
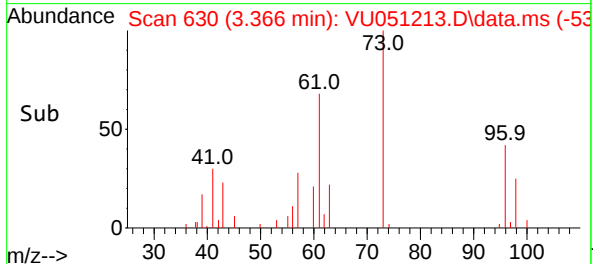
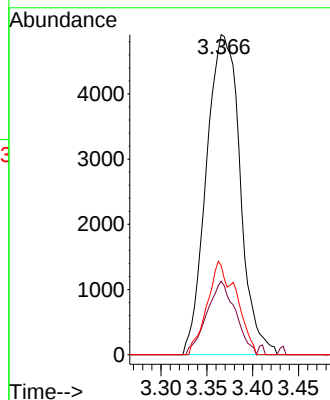
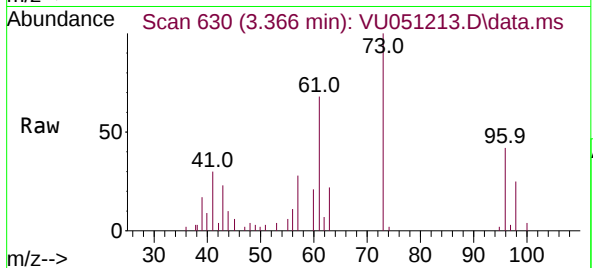
Tgt Ion: 73 Resp: 12536

Ion Ratio Lower Upper

73 100

43 19.6 15.4 23.0

57 25.3 18.9 28.3



#18

trans-1,2-Dichloroethene

Concen: 0.476 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.006 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

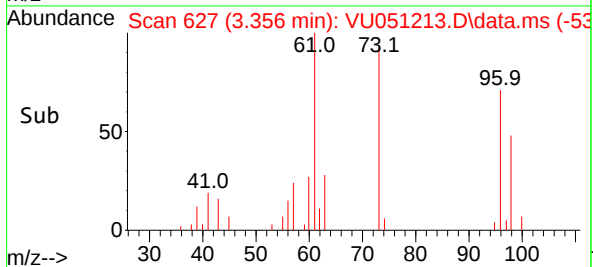
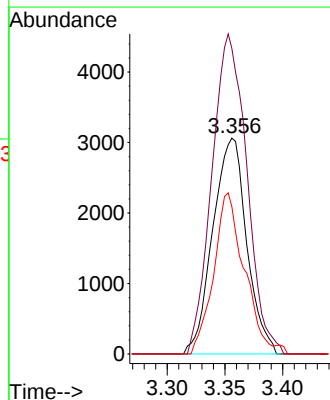
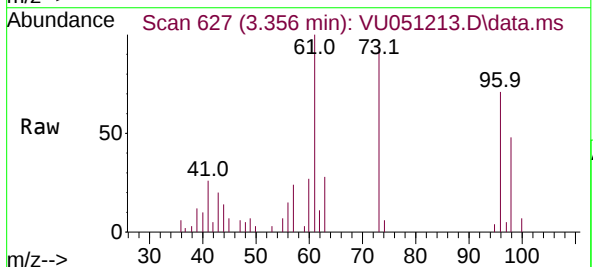
Tgt Ion: 96 Resp: 6249

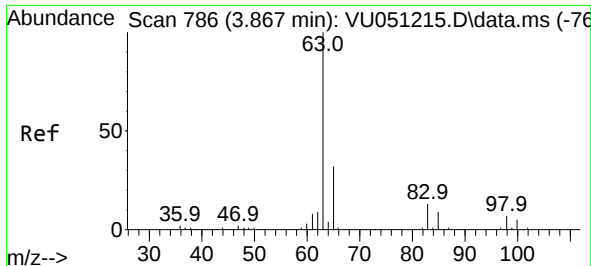
Ion Ratio Lower Upper

96 100

61 141.5 101.4 188.2

98 68.2 44.9 83.5





#19

1,1-Dichloroethane

Concen: 0.461 ug/L

RT: 3.870 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5056

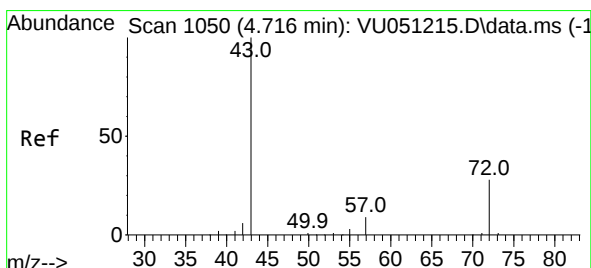
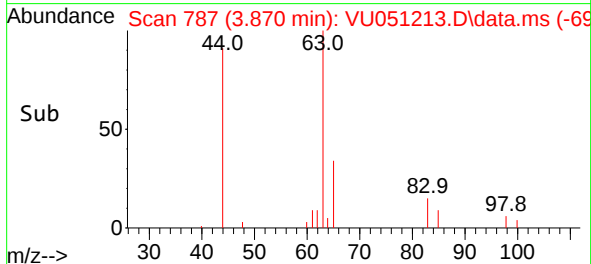
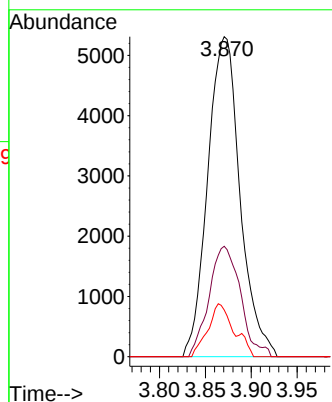
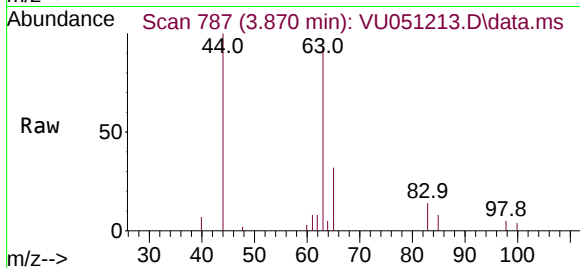
Tgt Ion: 63 Resp: 13013

Ion Ratio Lower Upper

63 100

65 34.5 22.0 41.0

83 14.6 9.0 16.6



#21

2-Butanone

Concen: 0.139 ug/L

RT: 4.822 min Scan# 1083

Delta R.T. 0.106 min

Lab File: VU051213.D

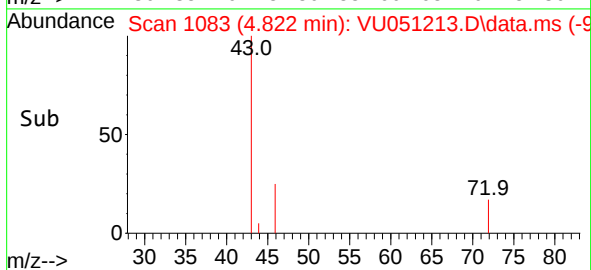
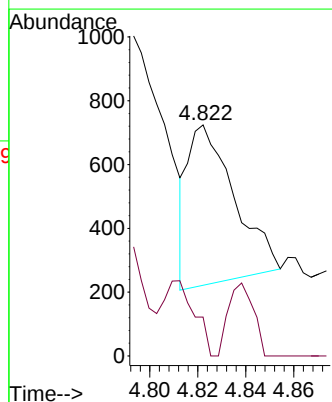
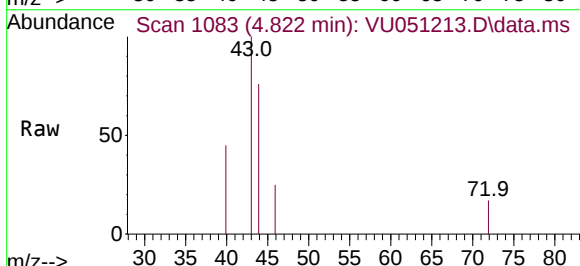
Acq: 07 Oct 2022 11:34

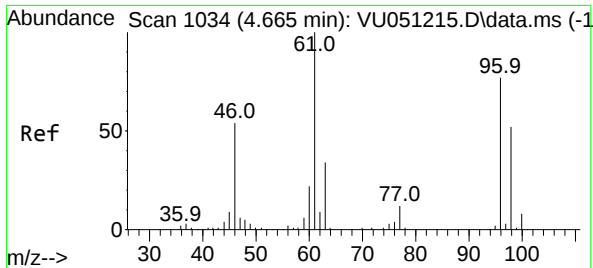
Tgt Ion: 43 Resp: 674

Ion Ratio Lower Upper

43 100

72 30.3 13.8 41.4

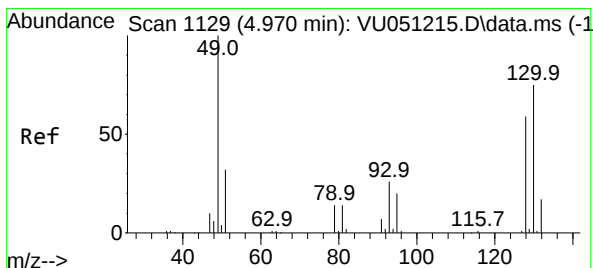
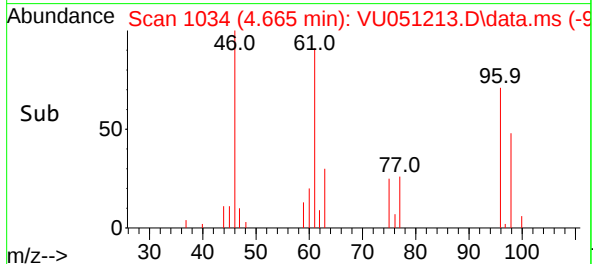
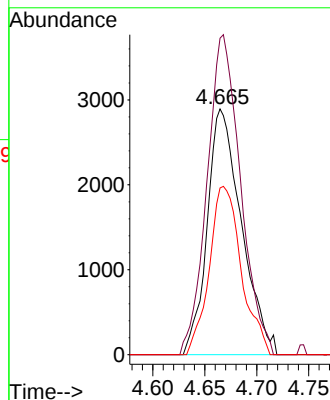
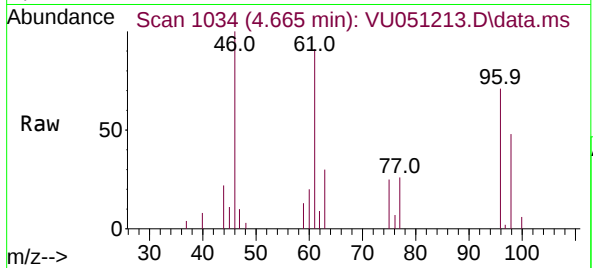




#22
 cis-1,2-Dichloroethene
 Concen: 0.441 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU051213.D
 Acq: 07 Oct 2022 11:34

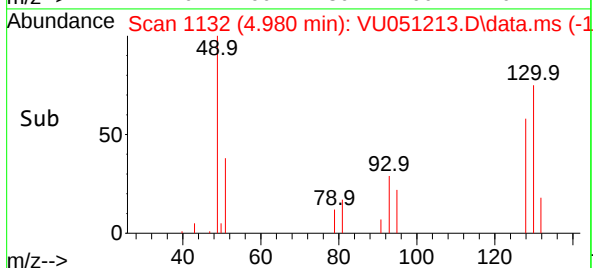
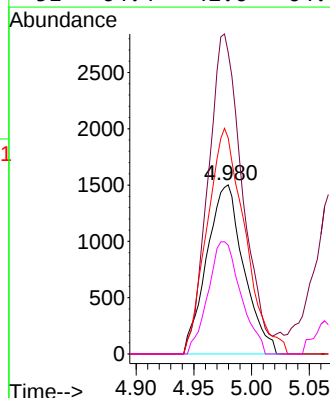
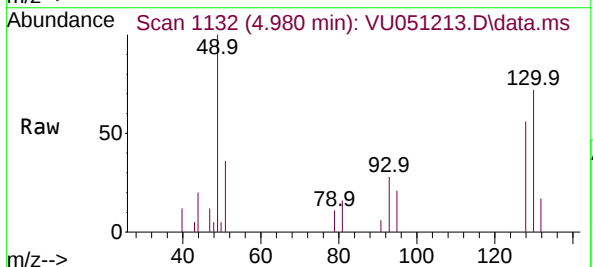
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5056

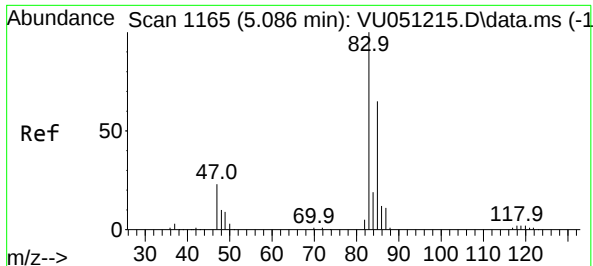
Tgt Ion:	96	Resp:	6621
Ion	Ratio	Lower	Upper
96	100		
61	128.7	90.6	168.2
98	67.9	47.5	88.3



#23
 Bromochloromethane
 Concen: 0.486 ug/L
 RT: 4.980 min Scan# 1132
 Delta R.T. 0.010 min
 Lab File: VU051213.D
 Acq: 07 Oct 2022 11:34

Tgt Ion:	128	Resp:	3348
Ion	Ratio	Lower	Upper
128	100		
49	186.3	118.0	219.2
130	127.8	88.8	164.8
51	64.4	42.6	64.0





#25

Chloroform

Concen: 0.485 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

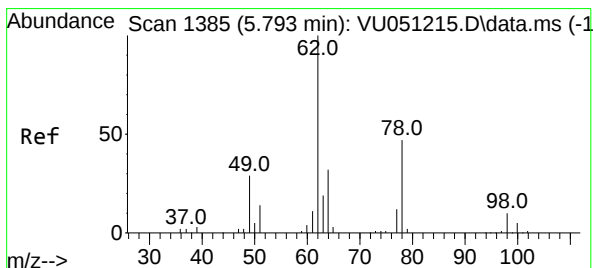
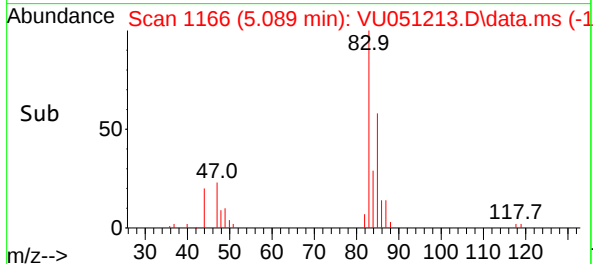
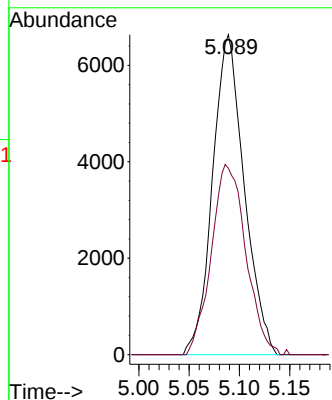
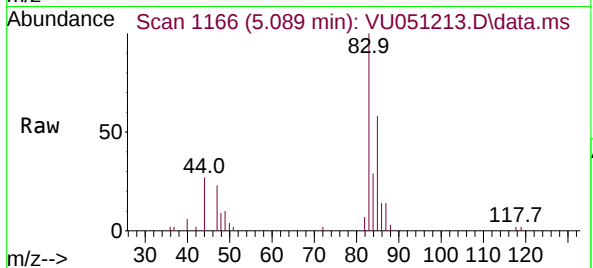
VSTD0.5056

Tgt Ion: 83 Resp: 14515

Ion Ratio Lower Upper

83 100

85 58.3 45.6 84.6



#27

1,2-Dichloroethane

Concen: 0.423 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.006 min

Lab File: VU051213.D

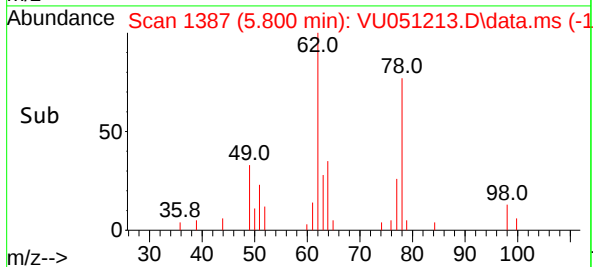
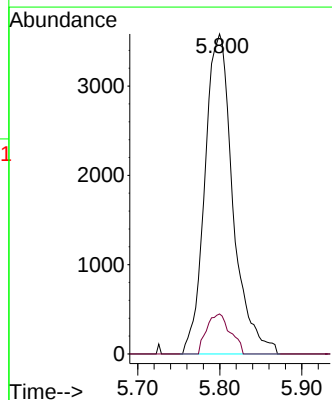
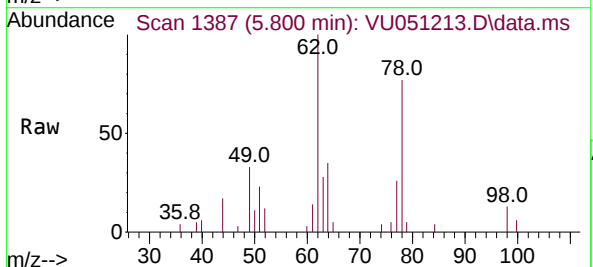
Acq: 07 Oct 2022 11:34

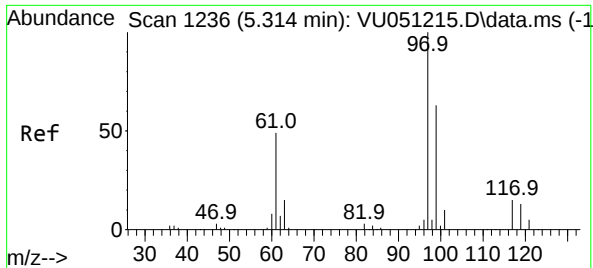
Tgt Ion: 62 Resp: 8521

Ion Ratio Lower Upper

62 100

98 12.5 7.7 11.5

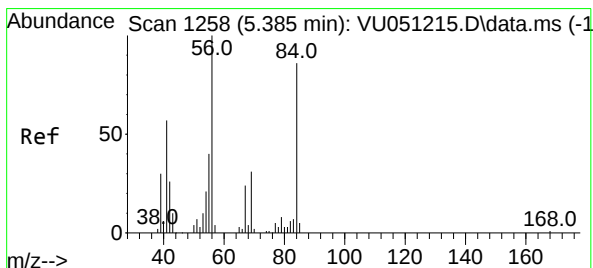
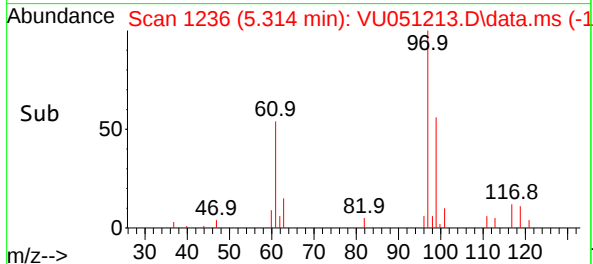
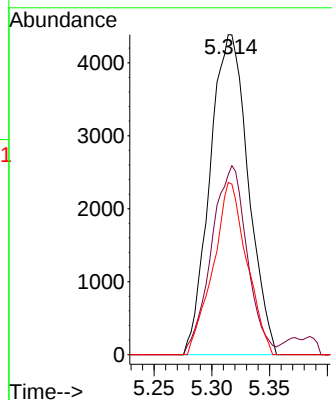
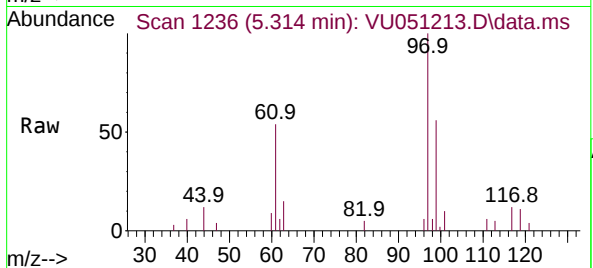




#29
1,1,1-Trichloroethane
Concen: 0.413 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

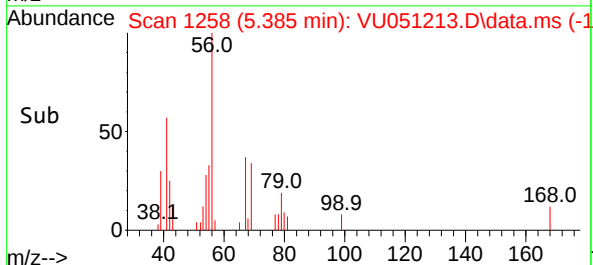
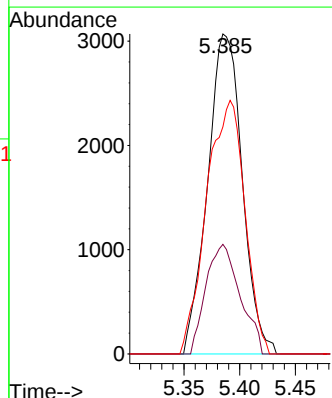
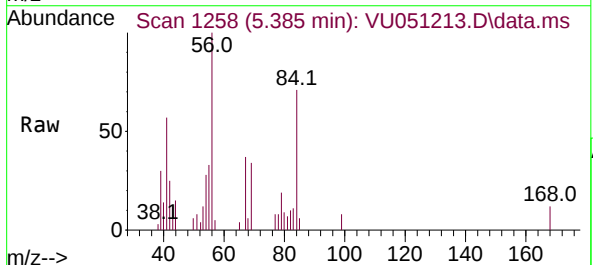
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5056

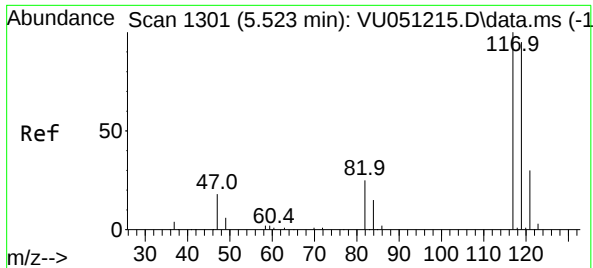
Tgt Ion: 97	Resp: 10113		
Ion Ratio	Lower	Upper	
97	100		
99	55.0	50.2	75.4
61	47.3	38.7	58.1



#30
Cyclohexane
Concen: 0.339 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Tgt Ion: 56	Resp: 6648
Ion Ratio	Lower Upper
56 100	
69 33.7	25.1 37.7
84 87.3	70.9 106.3

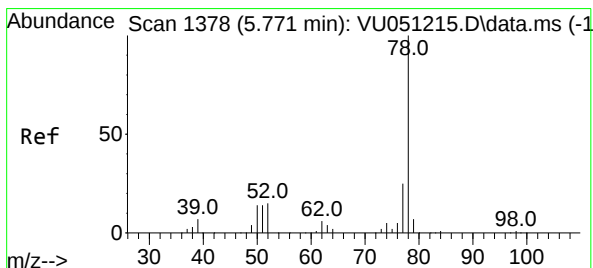
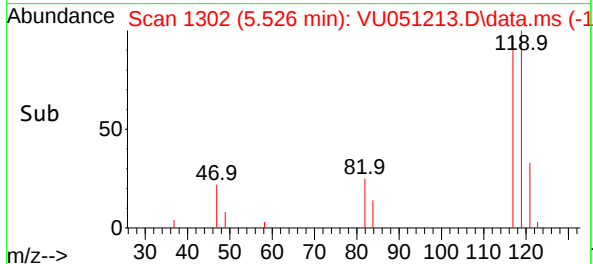
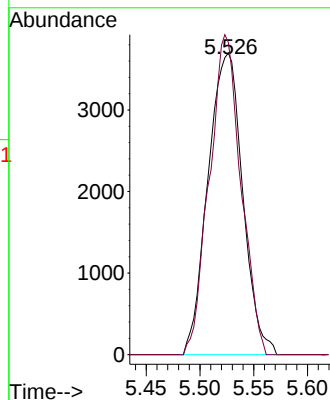
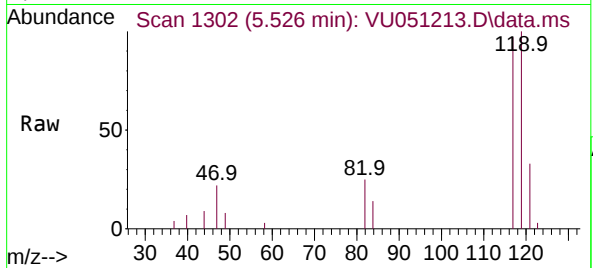




#31
Carbon tetrachloride
Concen: 0.417 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

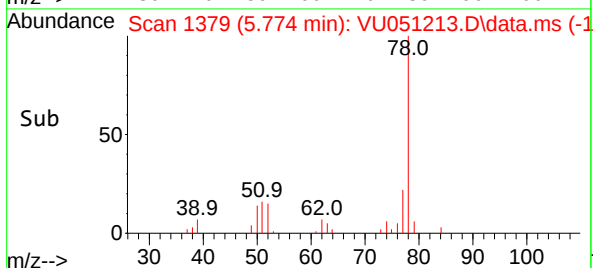
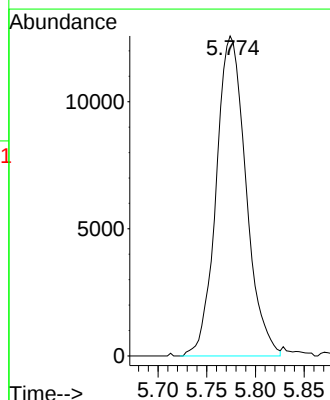
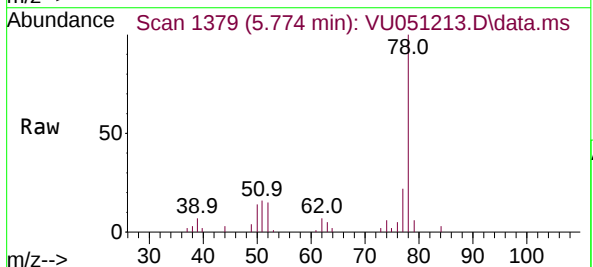
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5056

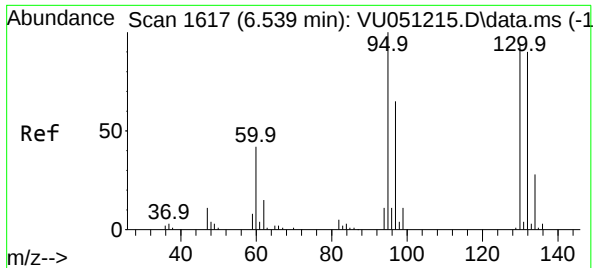
Tgt Ion:117 Resp: 8285
Ion Ratio Lower Upper
117 100
119 96.6 78.4 117.6



#33
Benzene
Concen: 0.413 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Tgt Ion: 78 Resp: 26803



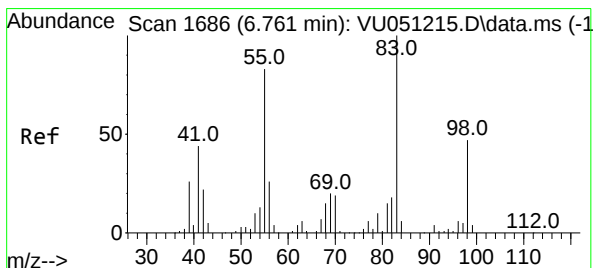
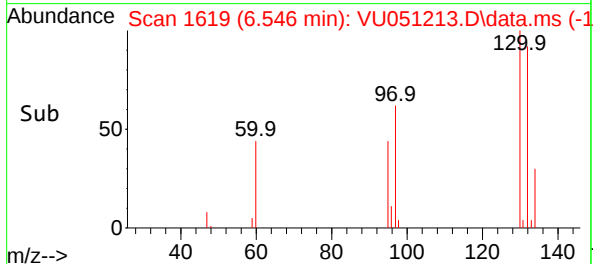
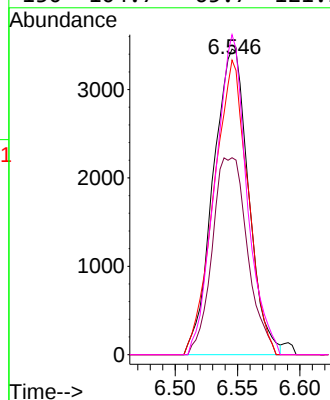
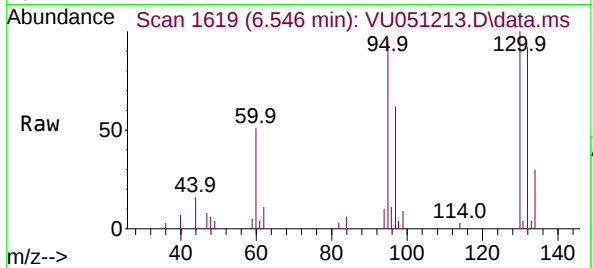


#34
Trichloroethene
Concen: 0.435 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5056

Tgt Ion: 95 Resp: 6807

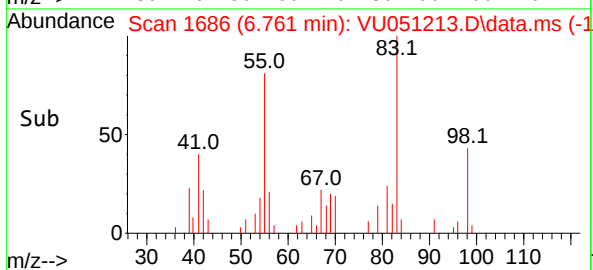
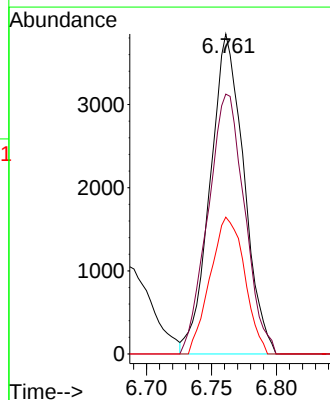
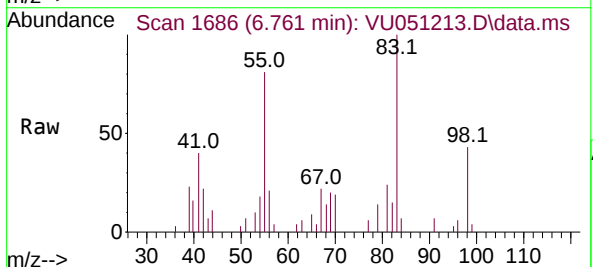
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.4	84.2
132	96.4	63.1	117.3
130	104.7	65.7	121.9

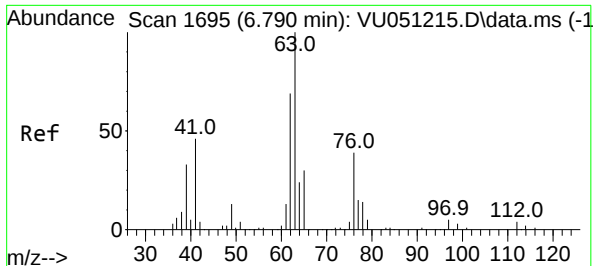


#35
Methylcyclohexane
Concen: 0.362 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Tgt Ion: 83 Resp: 6936

Ion	Ratio	Lower	Upper
83	100		
55	88.2	65.8	98.6
98	43.6	35.9	53.9





#37

1,2-Dichloropropane

Concen: 0.422 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

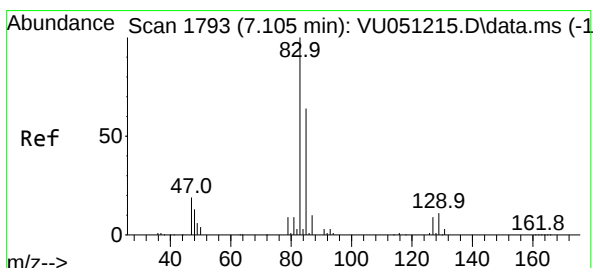
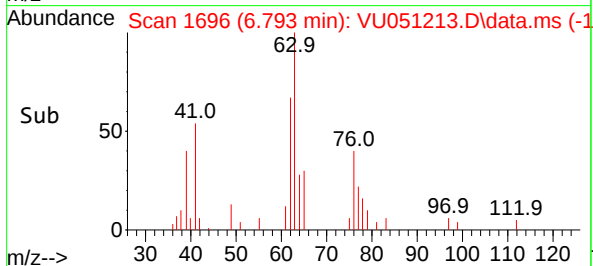
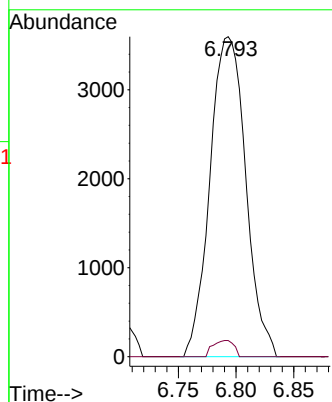
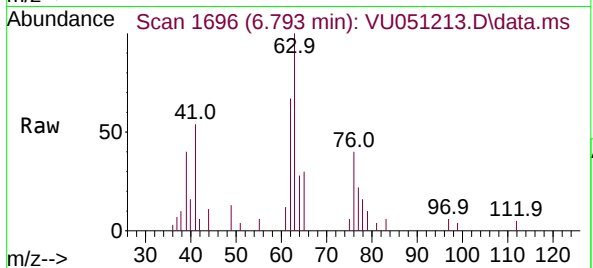
VSTD0.5056

Tgt Ion: 63 Resp: 7759

Ion Ratio Lower Upper

63 100

112 3.0 3.2 4.8#



#38

Bromodichloromethane

Concen: 0.387 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

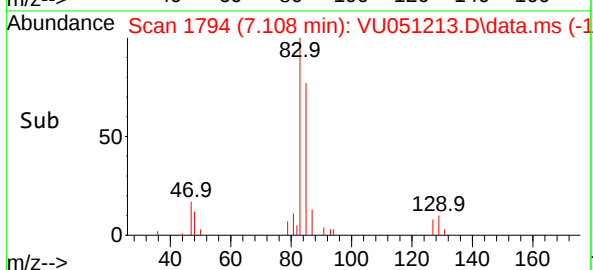
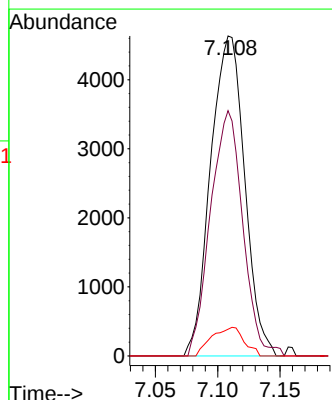
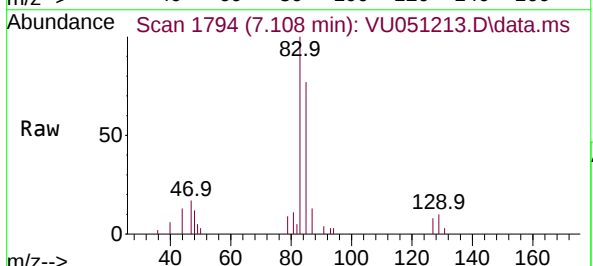
Tgt Ion: 83 Resp: 8821

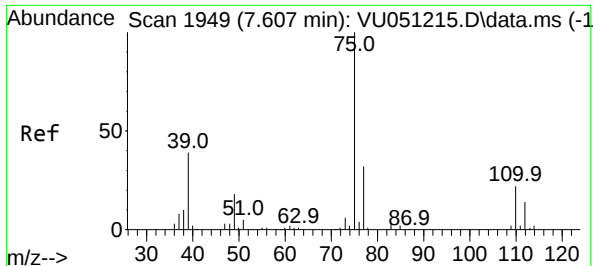
Ion Ratio Lower Upper

83 100

85 76.7 44.8 83.2

127 8.4 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 0.363 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

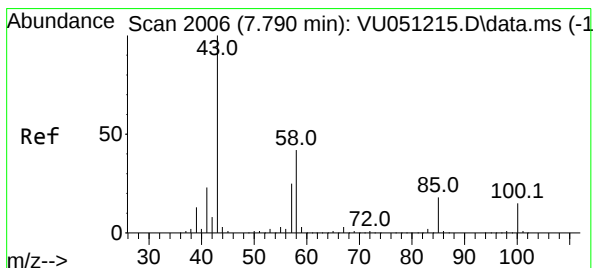
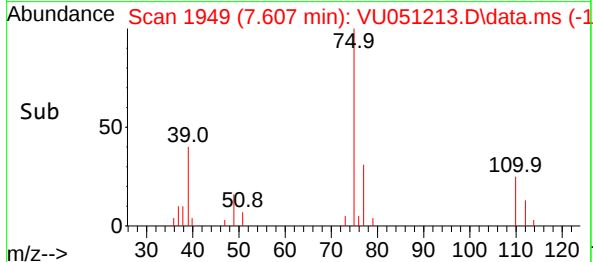
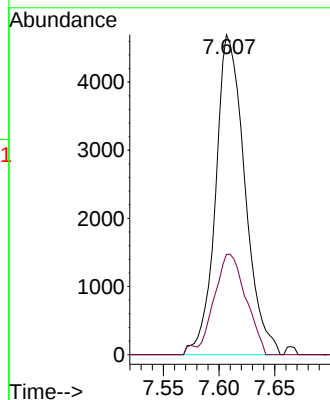
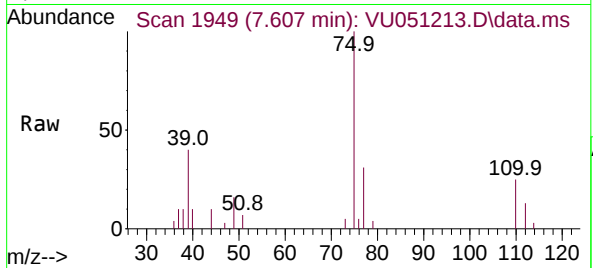
VSTD0.5056

Tgt Ion: 75 Resp: 8571

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 2.527 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.006 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

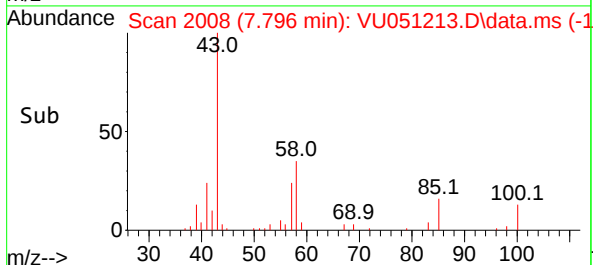
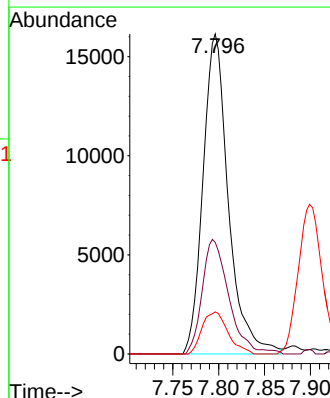
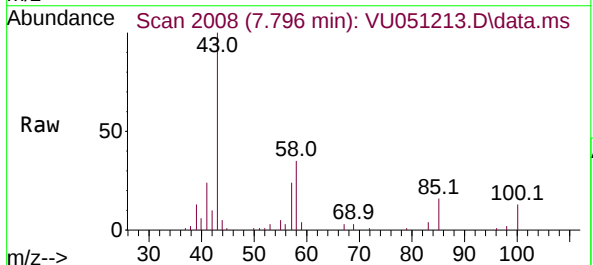
Tgt Ion: 43 Resp: 31031

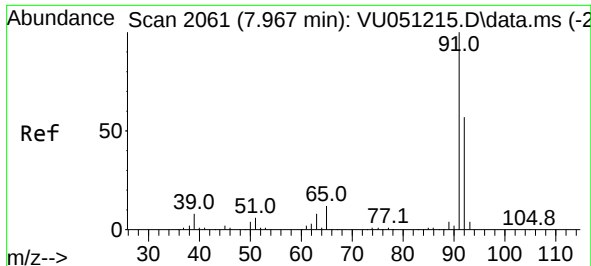
Ion Ratio Lower Upper

43 100

58 37.7 33.0 49.6

100 13.4 11.8 17.6

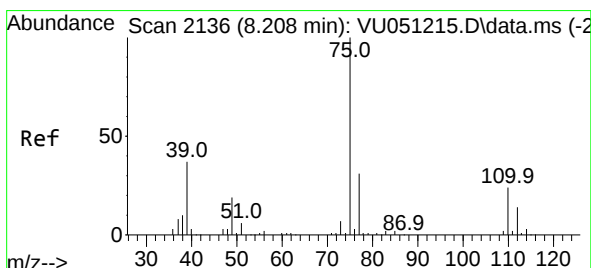
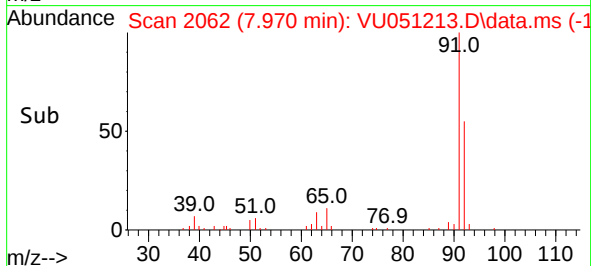
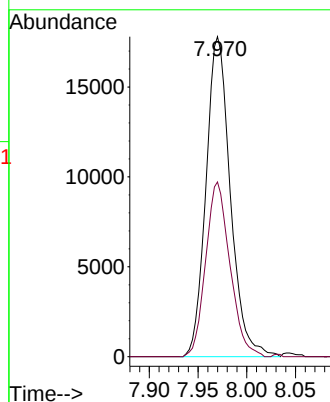
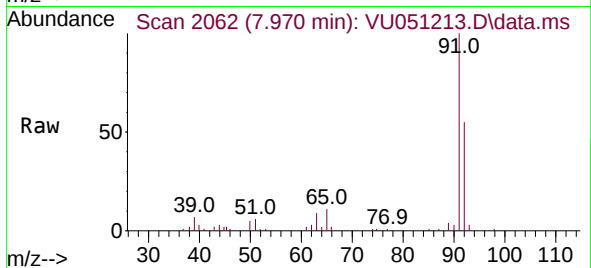




#42
Toluene
Concen: 0.477 ug/L
RT: 7.970 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

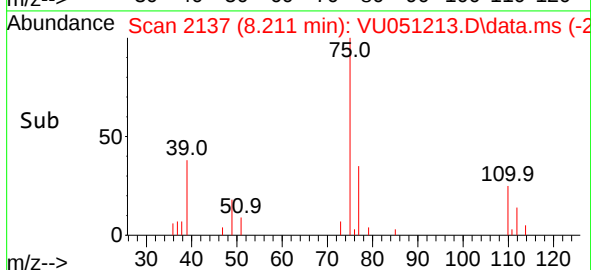
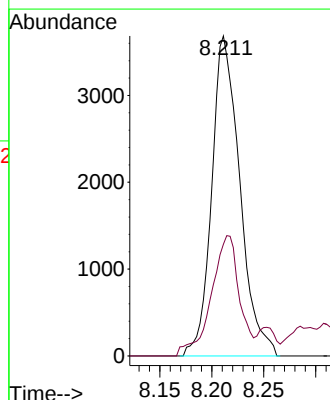
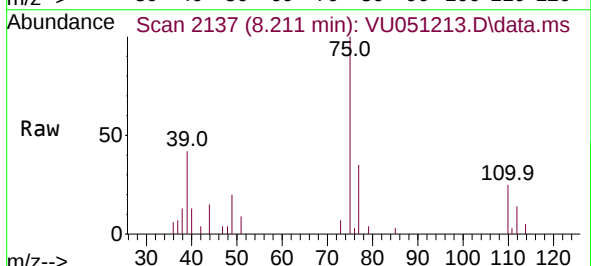
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5056

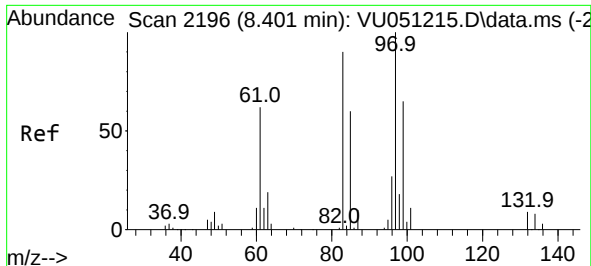
Tgt Ion: 91 Resp: 30961
Ion Ratio Lower Upper
91 100
92 54.6 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 0.336 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Tgt Ion: 75 Resp: 6928
Ion Ratio Lower Upper
75 100
77 34.9 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 0.428 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. -0.000 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5056

Tgt Ion: 97 Resp: 5629

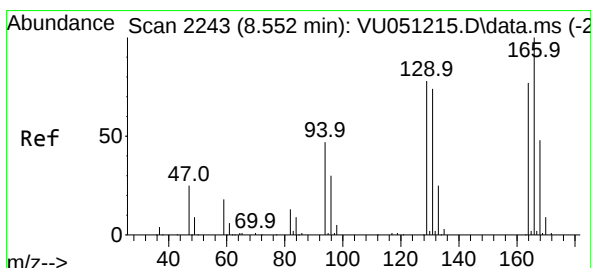
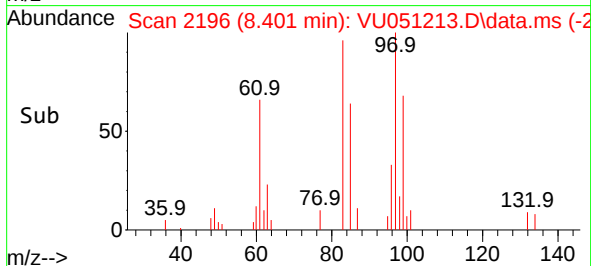
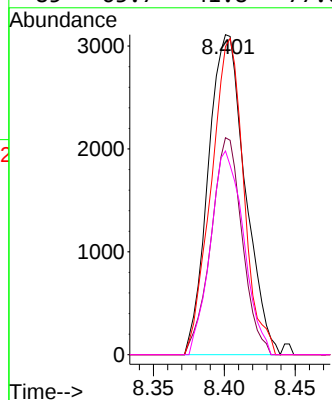
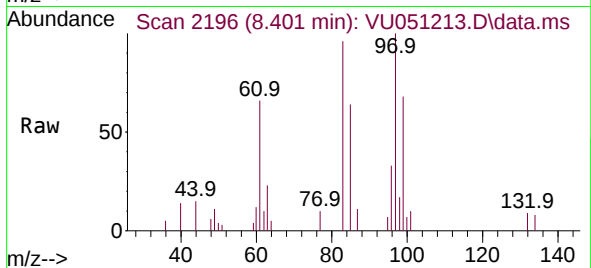
Ion Ratio Lower Upper

97 100

99 67.8 45.3 84.1

83 96.3 63.1 117.1

85 63.7 41.8 77.6



#47

Tetrachloroethene

Concen: 0.553 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Tgt Ion: 164 Resp: 5934

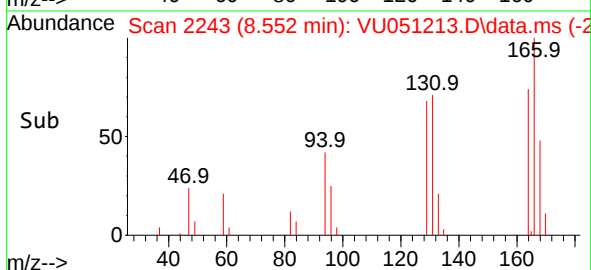
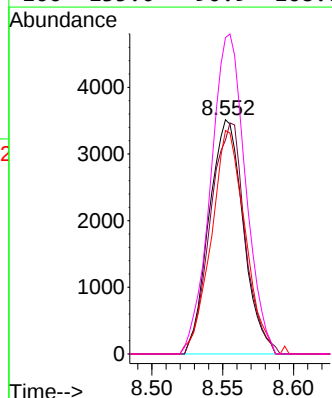
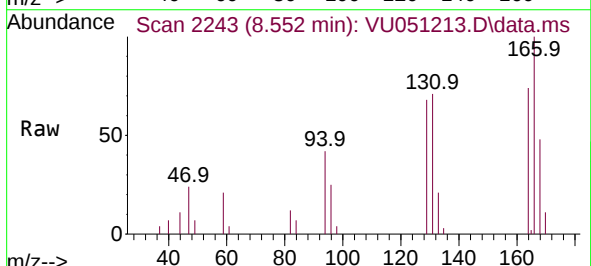
Ion Ratio Lower Upper

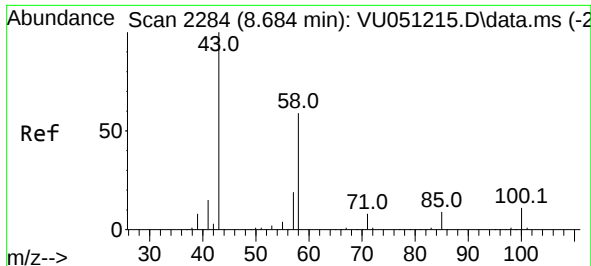
164 100

129 91.3 71.3 132.3

131 95.3 66.9 124.3

166 135.0 90.9 168.7

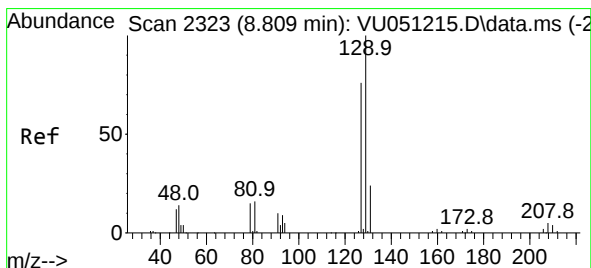
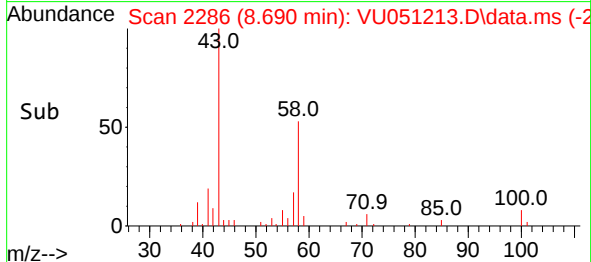
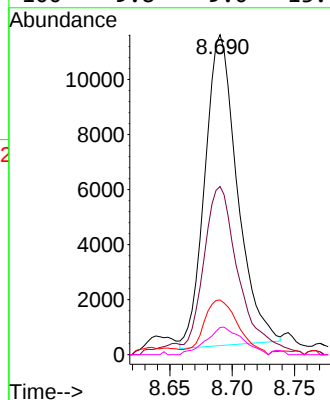
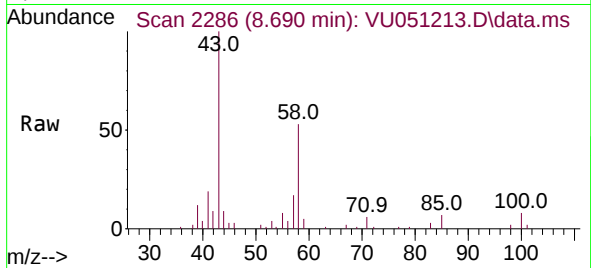




#48
2-Hexanone
Concen: 2.226 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

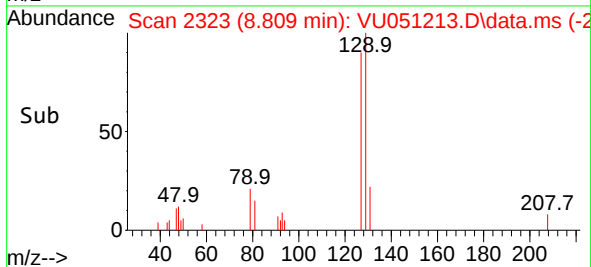
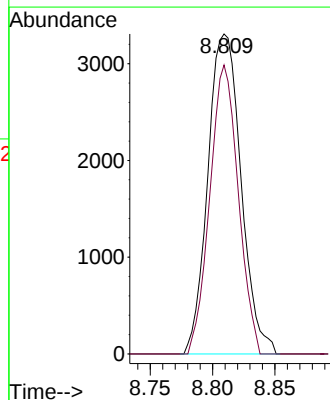
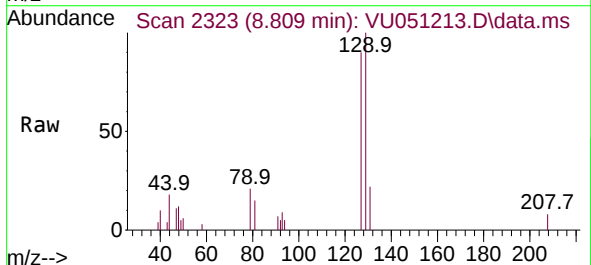
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5056

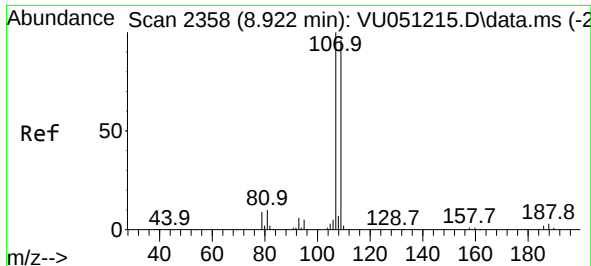
Tgt Ion:	43	Resp:	20439
Ion	Ratio	Lower	Upper
43	100		
58	61.7	48.2	72.2
57	18.9	15.5	23.3
100	9.8	9.0	13.4



#49
Dibromochloromethane
Concen: 0.421 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Tgt Ion:	129	Resp:	6128
Ion	Ratio	Lower	Upper
129	100		
127	90.3	53.5	99.3





#50

1,2-Dibromoethane

Concen: 0.395 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5056

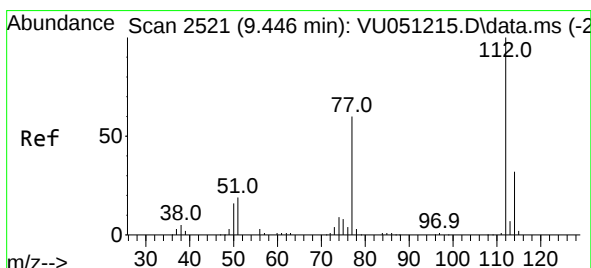
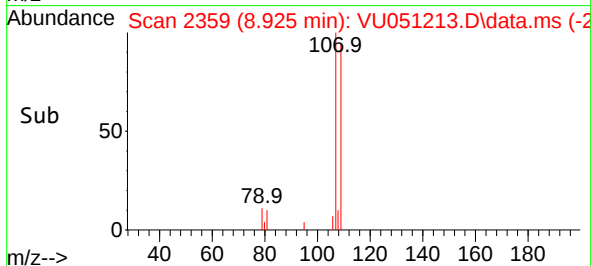
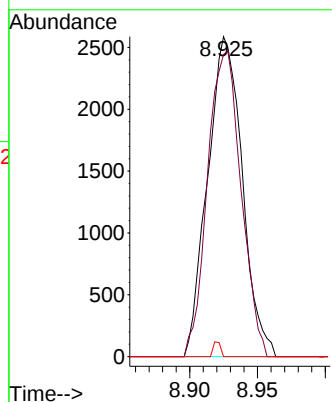
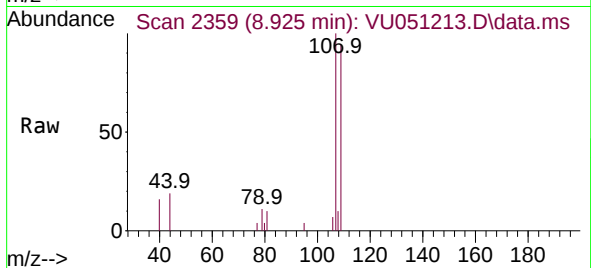
Tgt Ion:107 Resp: 4592

Ion Ratio Lower Upper

107 100

109 94.4 67.1 124.7

188 0.0 2.5 3.7#



#51

Chlorobenzene

Concen: 0.408 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

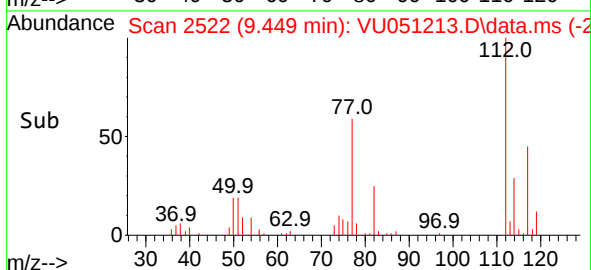
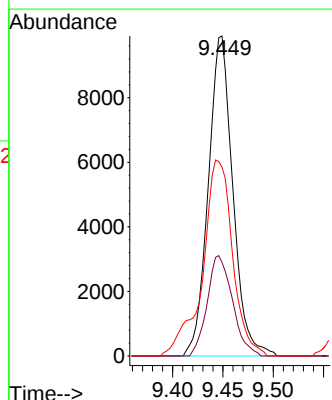
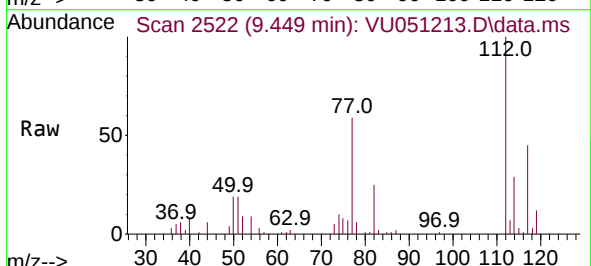
Tgt Ion:112 Resp: 16842

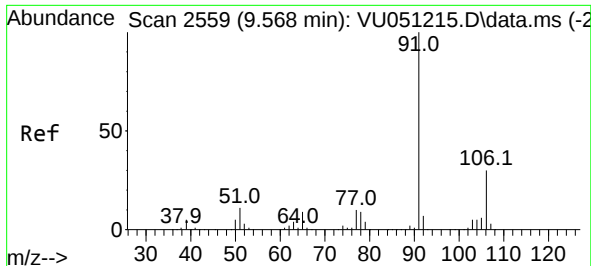
Ion Ratio Lower Upper

112 100

114 29.2 22.3 41.5

77 59.0 48.1 72.1

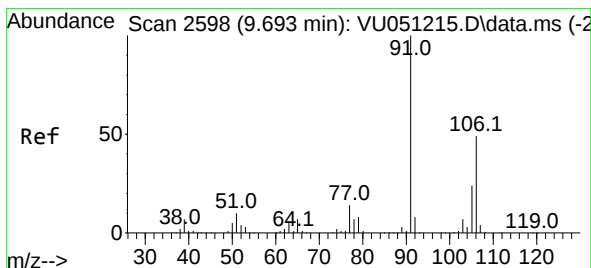
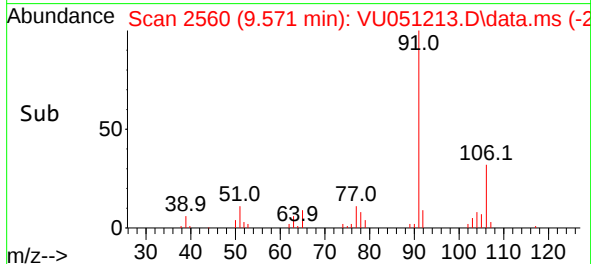
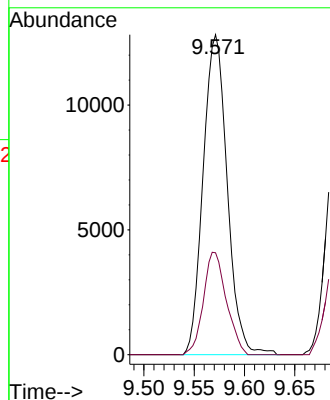
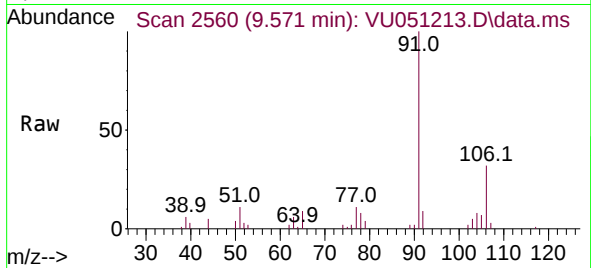




#52
Ethylbenzene
Concen: 0.328 ug/L
RT: 9.571 min Scan# 21359
Delta R.T. 0.003 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

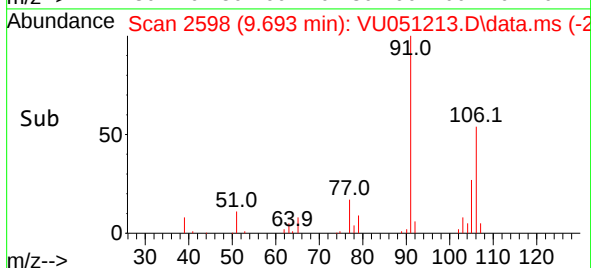
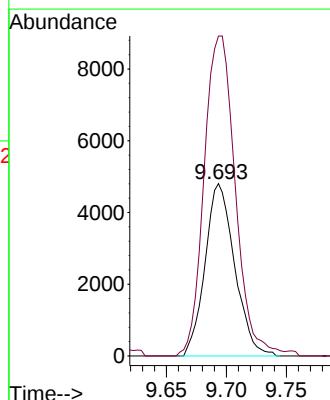
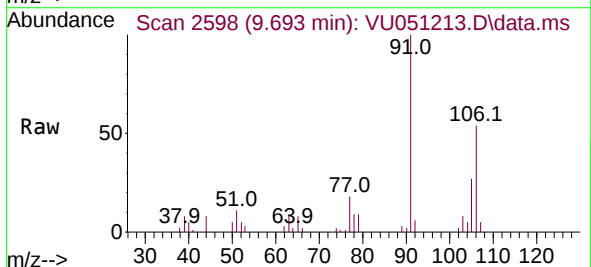
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5056

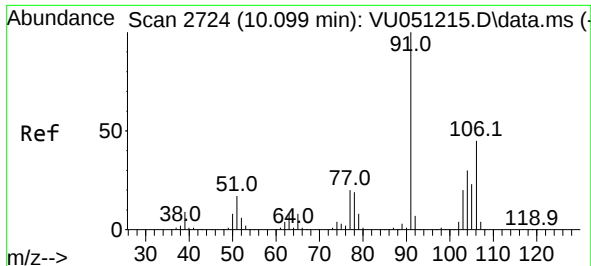
Tgt Ion: 91 Resp: 21359
Ion Ratio Lower Upper
91 100
106 31.8 20.9 38.7



#53
m,p-Xylene
Concen: 0.339 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Tgt Ion: 106 Resp: 8238
Ion Ratio Lower Upper
106 100
91 185.5 143.9 267.3

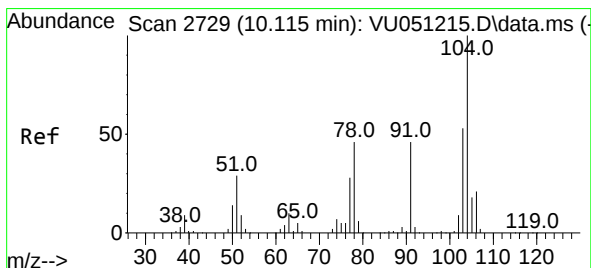
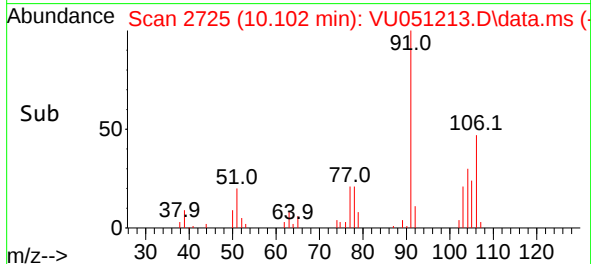
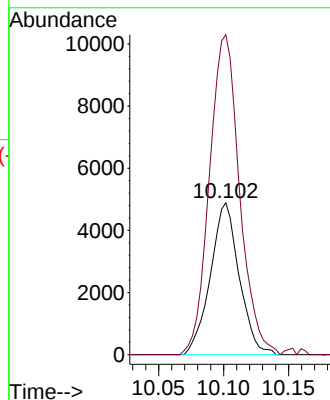
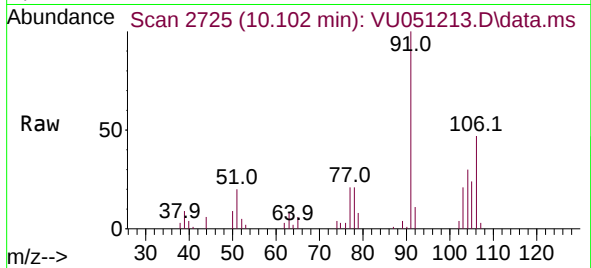




#54
o-Xylene
Concen: 0.316 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

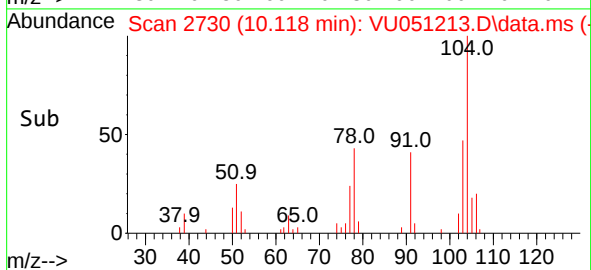
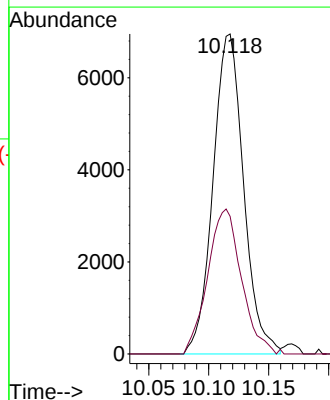
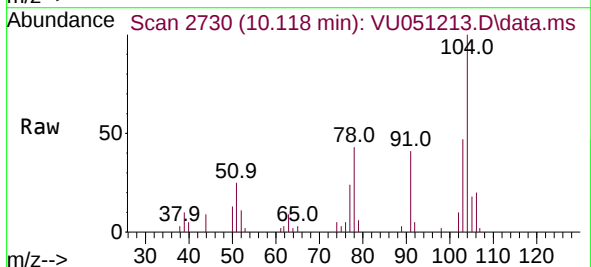
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5056

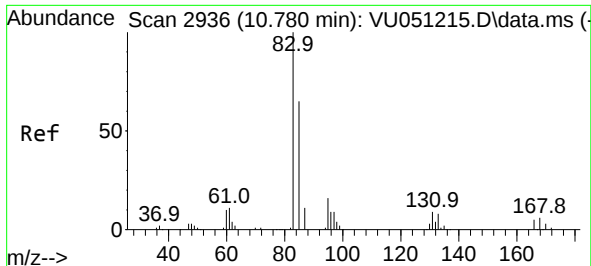
Tgt Ion:106 Resp: 7520
Ion Ratio Lower Upper
106 100
91 210.8 154.4 286.8



#55
Styrene
Concen: 0.302 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Tgt Ion:104 Resp: 12317
Ion Ratio Lower Upper
104 100
78 43.0 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 0.405 ug/L

RT: 10.783 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5056

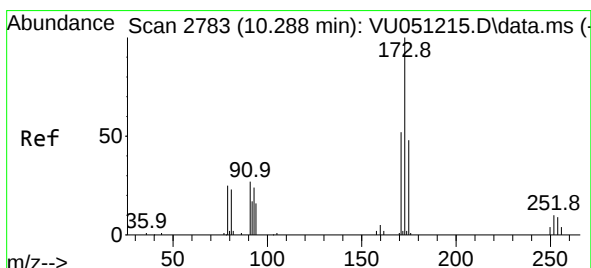
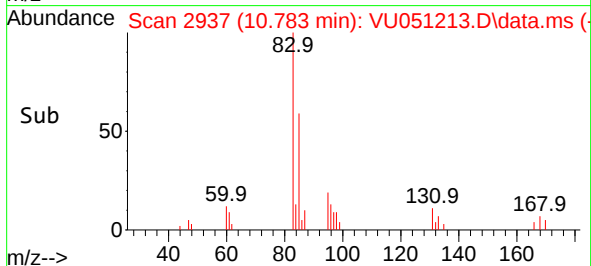
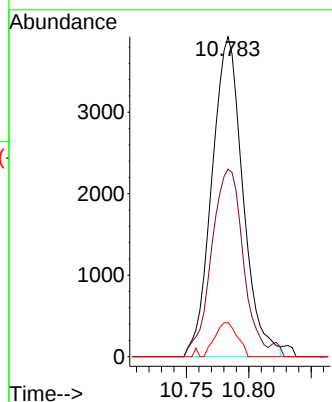
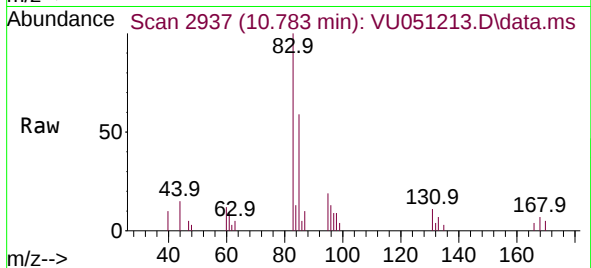
Tgt Ion: 83 Resp: 6792

Ion Ratio Lower Upper

83 100

85 58.6 45.9 85.3

131 10.6 7.4 11.2



#59

Bromoform

Concen: 0.523 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.003 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

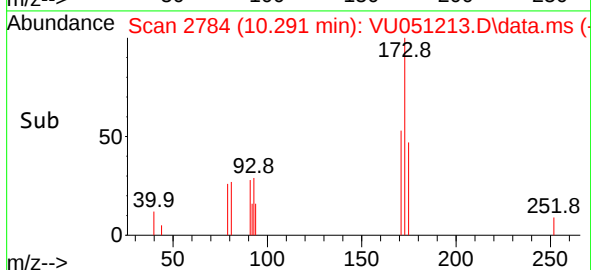
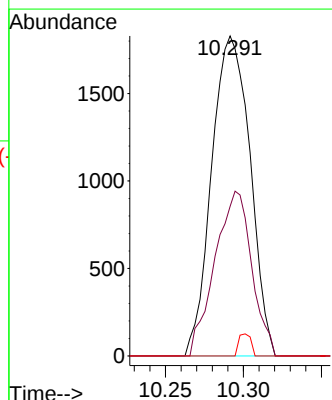
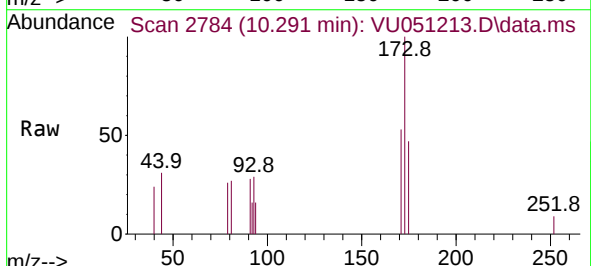
Tgt Ion: 173 Resp: 3127

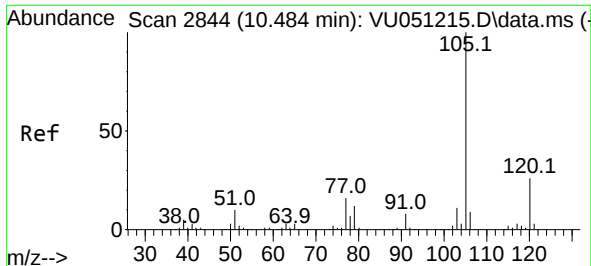
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.4

254 2.2 7.5 11.3#

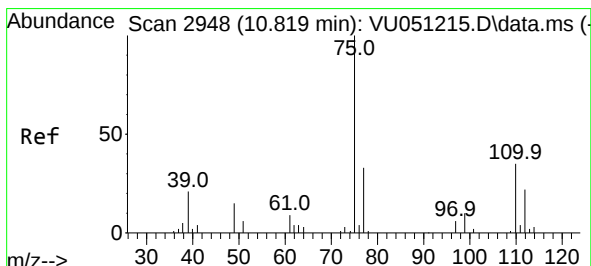
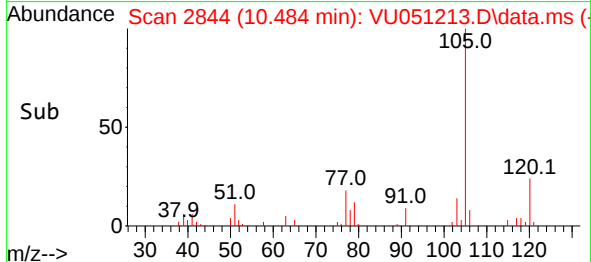
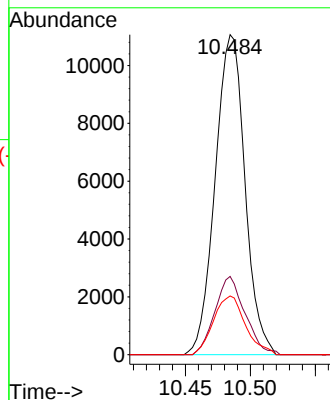
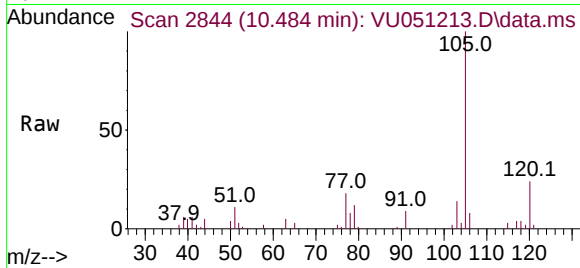




#60
Isopropylbenzene
Concen: 0.389 ug/L
RT: 10.484 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

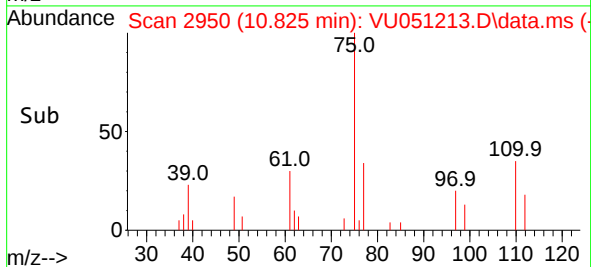
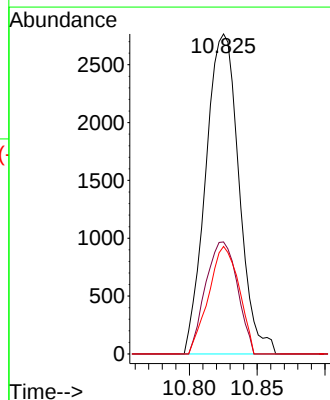
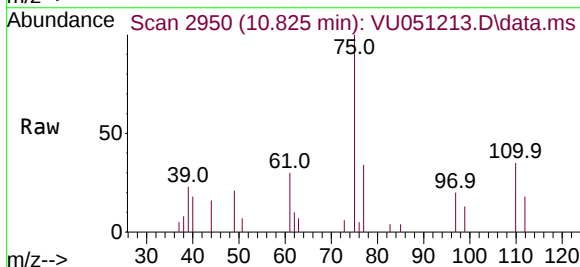
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5056

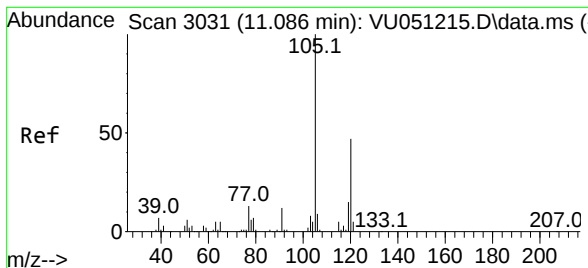
Tgt Ion:105 Resp: 17616
Ion Ratio Lower Upper
105 100
120 24.6 20.6 30.8
77 19.7 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 0.517 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.006 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Tgt Ion: 75 Resp: 4717
Ion Ratio Lower Upper
75 100
110 33.4 27.0 40.6
77 30.7 26.4 39.6





#62

1,3,5-Trimethylbenzene

Concen: 0.155 ug/L

RT: 11.089 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

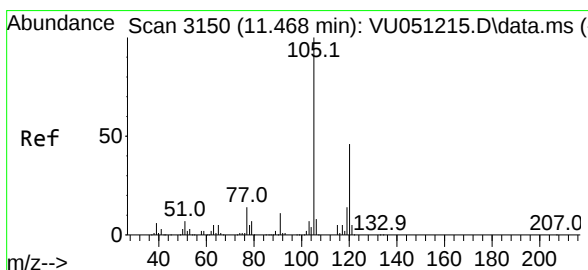
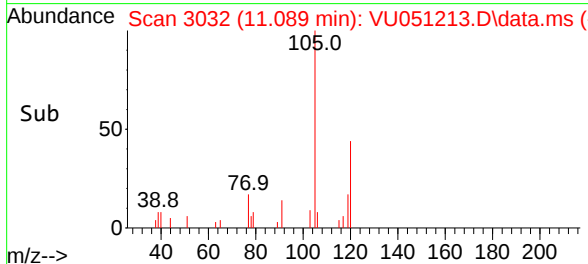
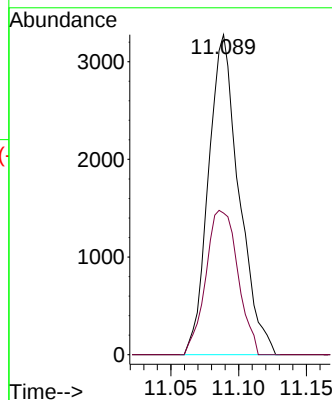
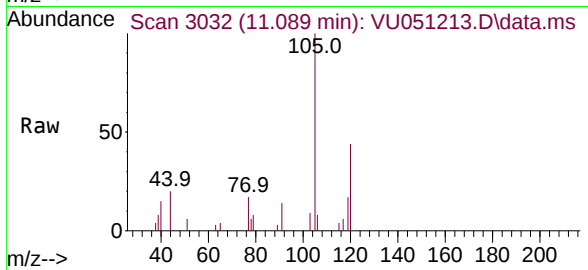
VSTD0.5056

Tgt Ion:105 Resp: 5132

Ion Ratio Lower Upper

105 100

120 47.5 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 0.339 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU051213.D

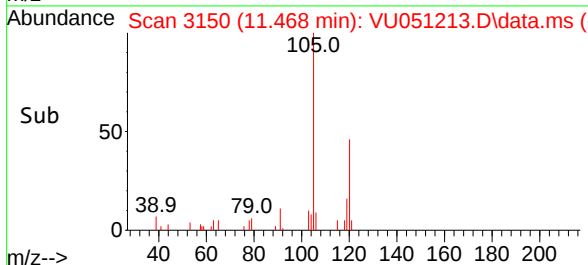
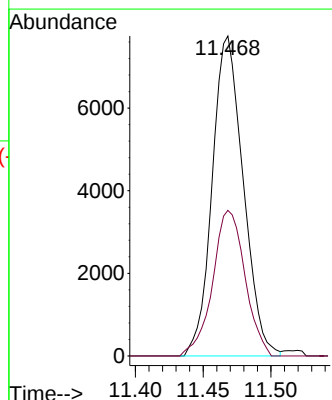
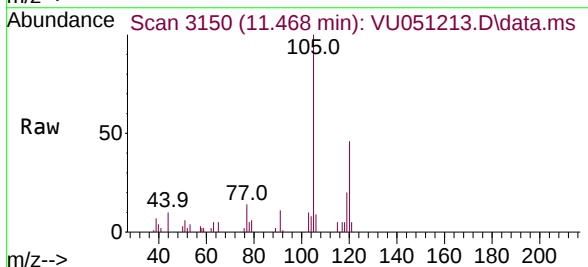
Acq: 07 Oct 2022 11:34

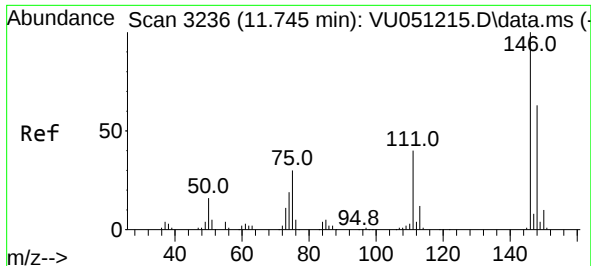
Tgt Ion:105 Resp: 12320

Ion Ratio Lower Upper

105 100

120 47.4 35.6 53.4

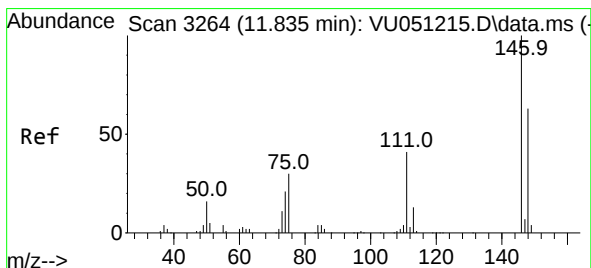
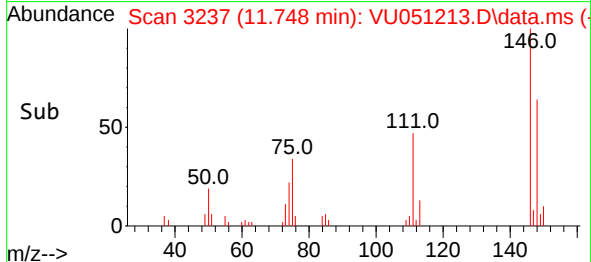
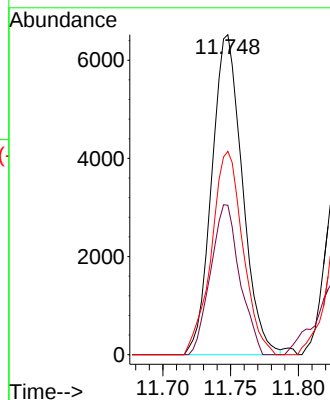
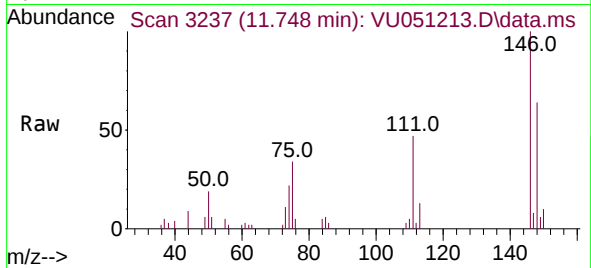




#64
1,3-Dichlorobenzene
Concen: 0.454 ug/L
RT: 11.748 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

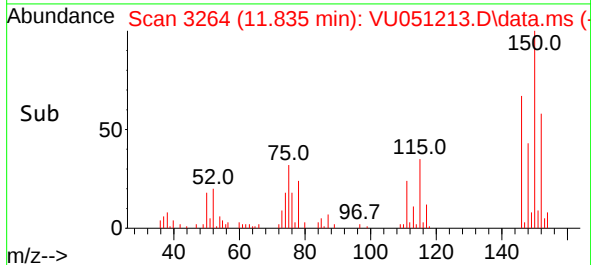
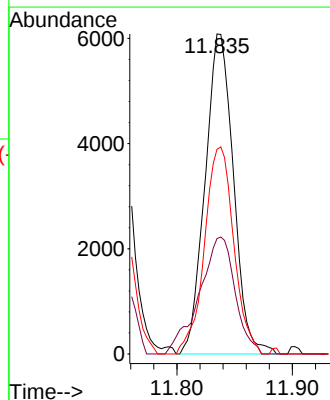
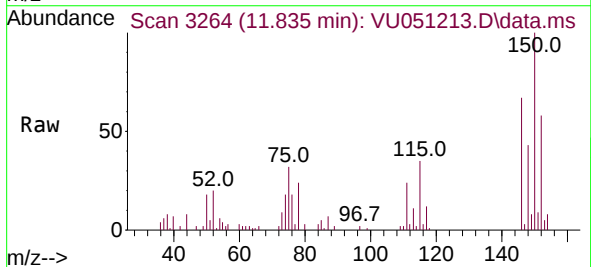
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5056

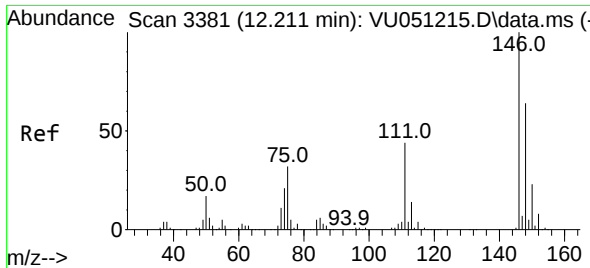
Tgt Ion:146 Resp: 10243
Ion Ratio Lower Upper
146 100
111 46.7 28.3 52.7
148 63.5 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 0.464 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Tgt Ion:146 Resp: 10385
Ion Ratio Lower Upper
146 100
111 36.1 29.1 54.1
148 63.9 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 0.463 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5056

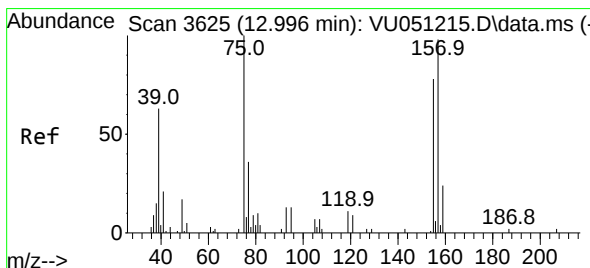
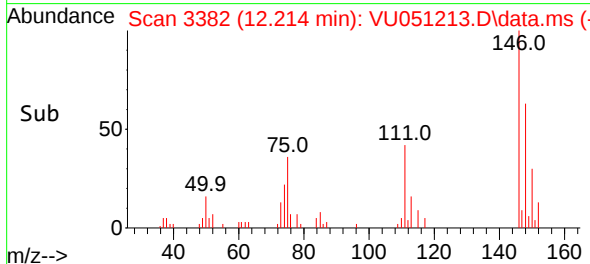
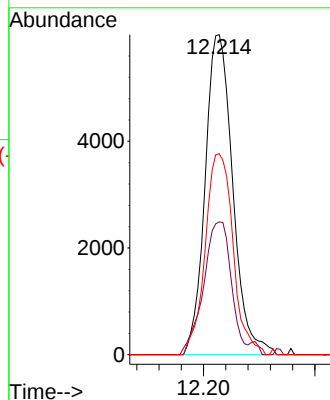
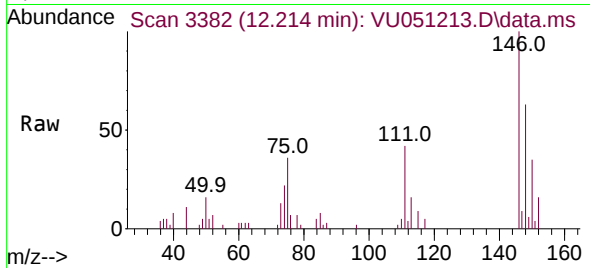
Tgt Ion:146 Resp: 10348

Ion Ratio Lower Upper

146 100

111 41.5 35.5 53.3

148 62.8 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 0.389 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

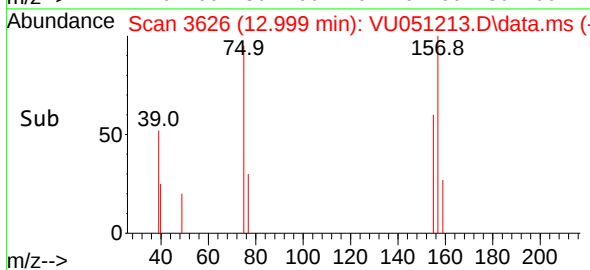
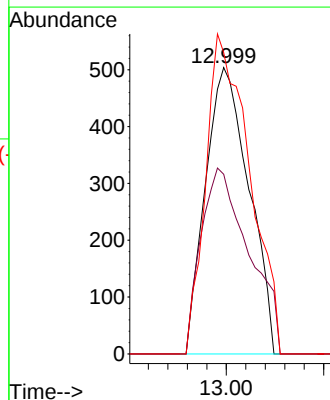
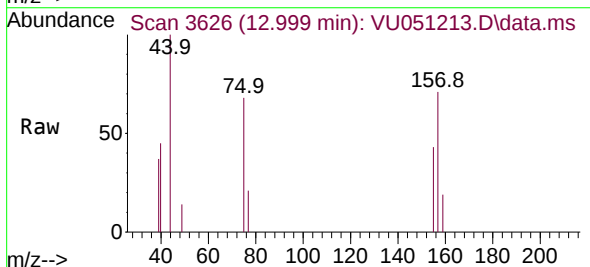
Tgt Ion: 75 Resp: 781

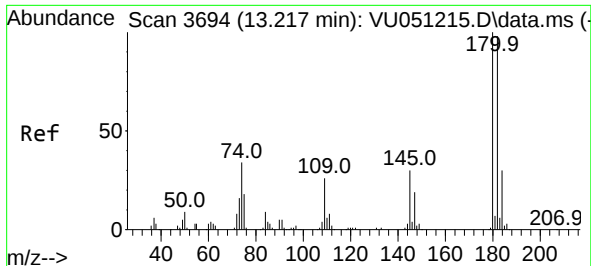
Ion Ratio Lower Upper

75 100

155 62.7 62.7 94.1#

157 105.2 78.3 117.5





#69

1,3,5-Trichlorobenzene

Concen: 0.453 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.003 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5056

Tgt Ion:180 Resp: 7468

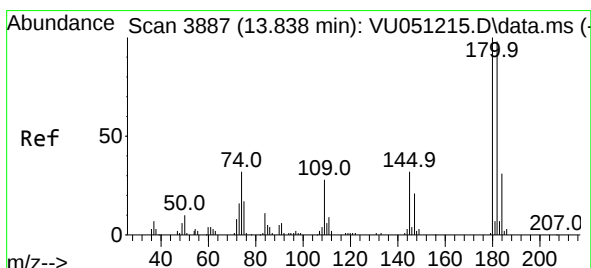
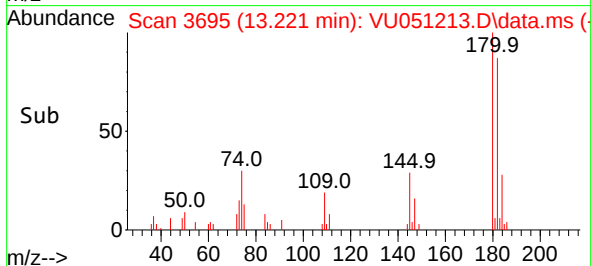
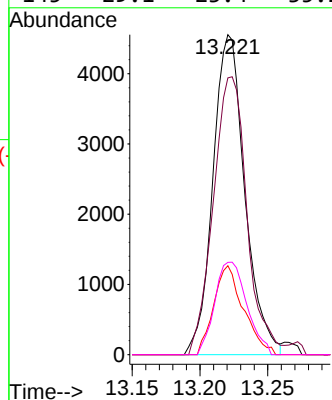
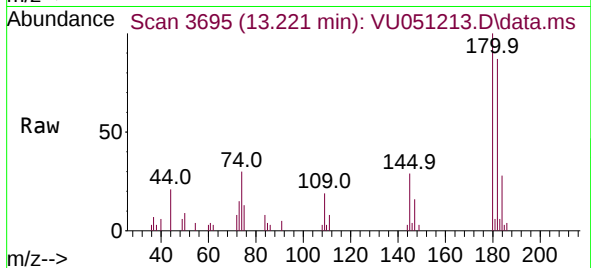
Ion Ratio Lower Upper

180 100

182 91.5 77.7 116.5

184 25.9 23.6 35.4

145 29.1 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 0.313 ug/L

RT: 13.848 min Scan# 3890

Delta R.T. 0.010 min

Lab File: VU051213.D

Acq: 07 Oct 2022 11:34

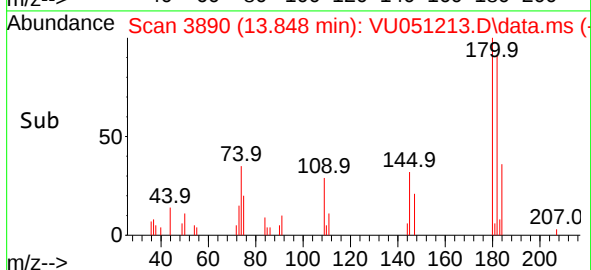
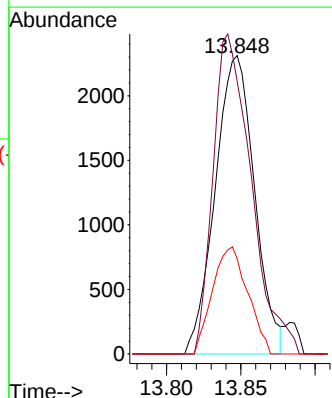
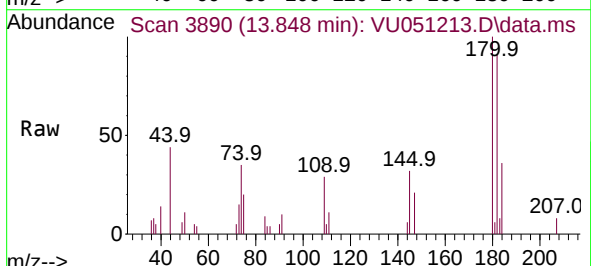
Tgt Ion:180 Resp: 4255

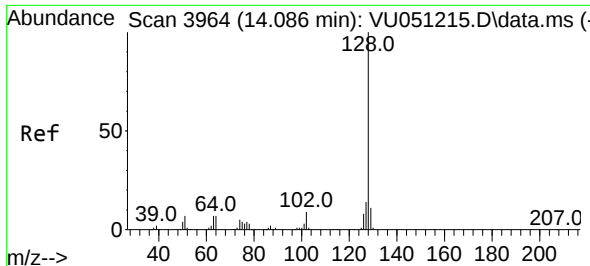
Ion Ratio Lower Upper

180 100

182 103.9 78.7 118.1

145 32.2 25.0 37.4

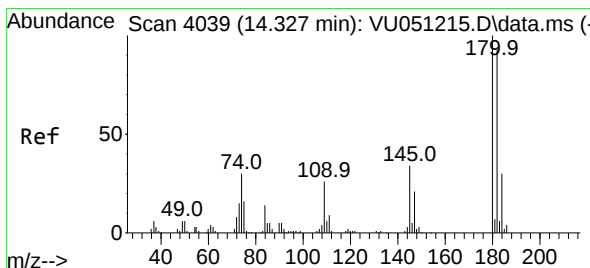
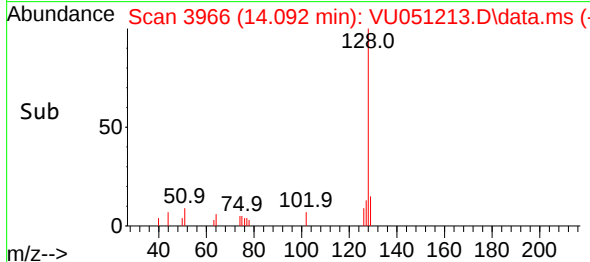
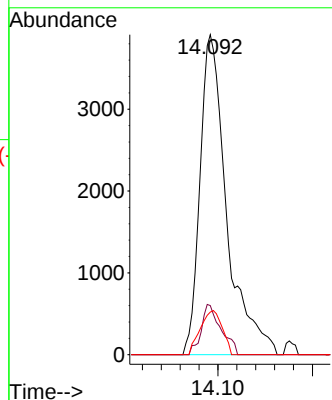
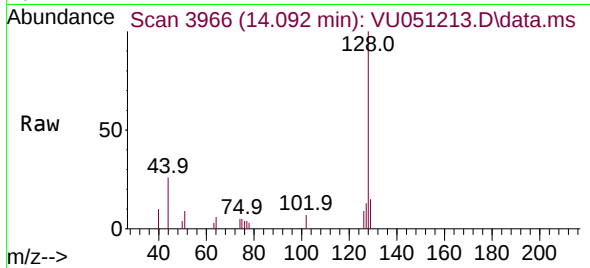




#71
Naphthalene
Concen: 0.293 ug/L
RT: 14.092 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5056

Tgt Ion:	128	Resp:	7684
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.5	12.7
127	11.3	11.1	16.7



#72
1,2,3-Trichlorobenzene
Concen: 0.357 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.006 min
Lab File: VU051213.D
Acq: 07 Oct 2022 11:34

Tgt Ion:	180	Resp:	4692
Ion Ratio	Lower	Upper	
180	100		
182	93.9	76.6	114.8
145	31.0	25.8	38.8

