

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102423\
 Data File : VU055860.D
 Acq On : 24 Oct 2023 09:28
 Operator : MD/SY
 Sample : VSTD0.567
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 25 05:00:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 25 04:59:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	432984	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	428662	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	186658	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	18126	1.037	ug/L	0.00
7) Chloroethane-d5	1.914	69	14210	0.728	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	7220	0.797	ug/L	0.00
20) 2-Butanone-d5	4.656	46	26761	3.718	ug/L	0.03
24) Chloroform-d	5.065	84	31634	0.597	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.705	65	15598	0.565	ug/L	0.00
32) Benzene-d6	5.727	84	62835	0.614	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.692	67	18587	0.537	ug/L	0.00
41) Toluene-d8	7.897	98	53438	0.550	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.184	79	7195	0.612	ug/L	0.00
46) 2-Hexanone-d5	8.640	63	13442	2.686	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.756	84	13014	0.451	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	18035	0.591	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	11336	0.431	ug/L	97
3) Chloromethane	1.518	50	11270	0.413	ug/L	95
5) Vinyl chloride	1.602	62	12737	0.450	ug/L	98
6) Bromomethane	1.859	94	7758	0.438	ug/L	97
8) Chloroethane	1.933	64	7985	0.434	ug/L	92
9) Trichlorofluoromethane	2.139	101	17017	0.425	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	10192	0.451	ug/L	97
12) 1,1-Dichloroethene	2.576	96	10187	0.515	ug/L	79
13) Acetone	2.650	43	15801	3.984	ug/L	93
14) Carbon disulfide	2.792	76	26070	0.484	ug/L	97
15) Methyl Acetate	2.959	43	2970	0.372	ug/L #	58
16) Methylene chloride	3.046	84	12408	0.416	ug/L	91
17) Methyl tert-butyl Ether	3.361	73	22294	0.398	ug/L	98
18) trans-1,2-Dichloroethene	3.354	96	9320	0.437	ug/L	88
19) 1,1-Dichloroethane	3.869	63	19373	0.437	ug/L	98
21) 2-Butanone	4.737	43	21613	3.578	ug/L	73
22) cis-1,2-Dichloroethene	4.663	96	12454	0.498	ug/L	86
23) Bromochloromethane	4.975	128	4603	0.423	ug/L	97
25) Chloroform	5.084	83	21109	0.436	ug/L	91
27) 1,2-Dichloroethane	5.801	62	12352	0.417	ug/L	100
29) 1,1,1-Trichloroethane	5.316	97	17627	0.418	ug/L	98
30) Cyclohexane	5.386	56	13674	0.374	ug/L	97
31) Carbon tetrachloride	5.521	117	14857	0.415	ug/L	92
33) Benzene	5.772	78	42887	0.429	ug/L	100
34) Trichloroethene	6.544	95	12812	0.465	ug/L	95
35) Methylcyclohexane	6.766	83	14346	0.356	ug/L	99
37) 1,2-Dichloropropane	6.791	63	11747	0.425	ug/L #	95
38) Bromodichloromethane	7.106	83	14463	0.421	ug/L	94
39) cis-1,3-Dichloropropene	7.611	75	15273	0.386	ug/L	97
40) 4-Methyl-2-pentanone	7.791	43	49827	3.299	ug/L	97
42) Toluene	7.971	91	42736	0.389	ug/L	99
44) trans-1,3-Dichloropropene	8.213	75	12005	0.368	ug/L	89

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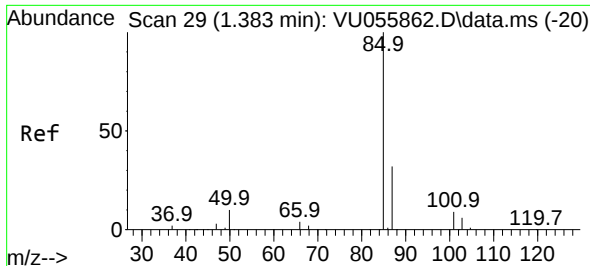
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 25 05:00:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	8.399	97	7920	0.424	ug/L	87
47) Tetrachloroethene	8.553	164	8065	0.406	ug/L	95
48) 2-Hexanone	8.688	43	38333	3.377	ug/L #	95
49) Dibromochloromethane	8.807	129	8313	0.381	ug/L	92
50) 1,2-Dibromoethane	8.923	107	6806	0.379	ug/L #	95
51) Chlorobenzene	9.447	112	30072	0.420	ug/L	96
52) Ethylbenzene	9.569	91	49435	0.400	ug/L	98
53) m,p-Xylene	9.695	106	17226	0.372	ug/L	95
54) o-Xylene	10.100	106	17094	0.383	ug/L	97
55) Styrene	10.119	104	23689	0.323	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.782	83	8396	0.365	ug/L	99
59) Bromoform	10.293	173	4545	0.487	ug/L #	96
60) Isopropylbenzene	10.483	105	41222	0.420	ug/L	98
61) 1,2,3-Trichloropropane	10.823	75	6588	0.482	ug/L	96
62) 1,3,5-Trimethylbenzene	11.087	105	33175	0.398	ug/L	100
63) 1,2,4-Trimethylbenzene	11.470	105	29124	0.377	ug/L	97
64) 1,3-Dichlorobenzene	11.749	146	21543	0.470	ug/L	97
65) 1,4-Dichlorobenzene	11.836	146	20913	0.456	ug/L	96
67) 1,2-Dichlorobenzene	12.212	146	19423	0.466	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.997	75	935	0.361	ug/L #	90
69) 1,3,5-Trichlorobenzene	13.222	180	14467	0.472	ug/L	95
70) 1,2,4-trichlorobenzene	13.843	180	9549	0.403	ug/L	98
71) Naphthalene	14.100	128	13427	0.377	ug/L	99
72) 1,2,3-Trichlorobenzene	14.331	180	8365	0.422	ug/L	97

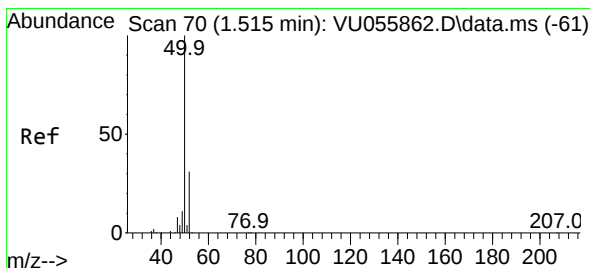
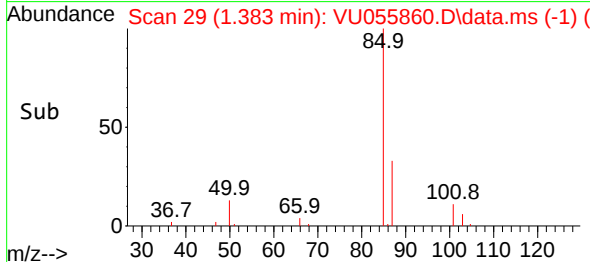
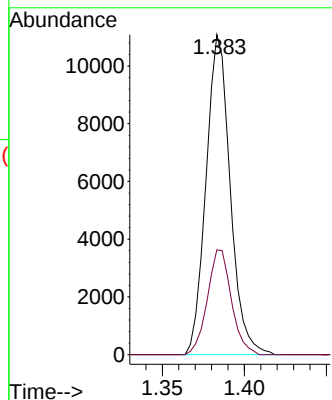
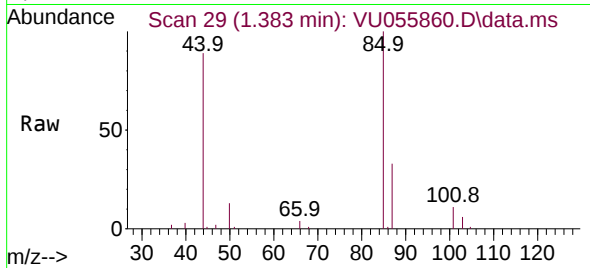
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.431 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055860.D
 Acq: 24 Oct 2023 09:28

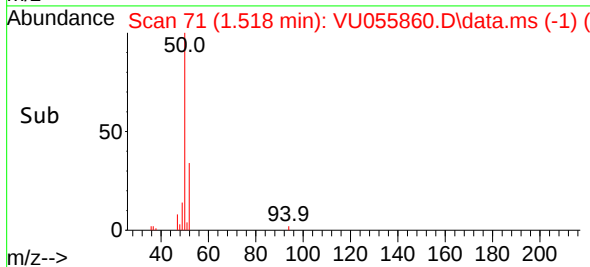
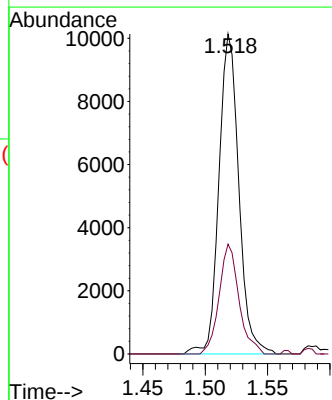
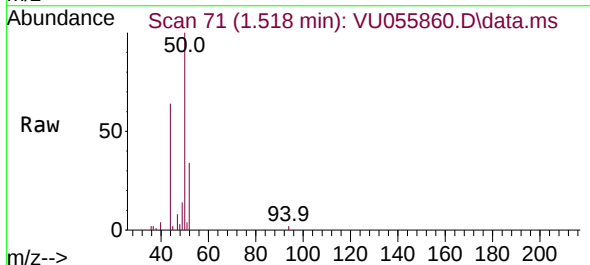
Instrument :
 MSVOA_U
 ClientSampleId :

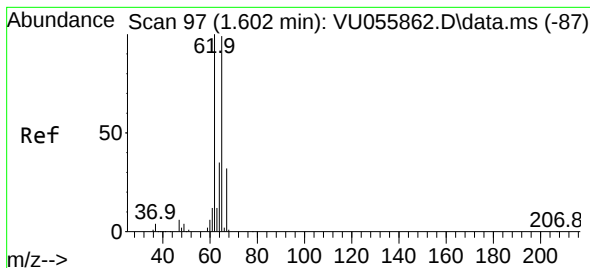
Tgt Ion: 85 Resp: 11336
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.0 37.4



#3
 Chloromethane
 Concen: 0.413 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU055860.D
 Acq: 24 Oct 2023 09:28

Tgt Ion: 50 Resp: 11270
 Ion Ratio Lower Upper
 50 100
 52 34.3 22.0 40.8





#5

Vinyl chloride

Concen: 0.450 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

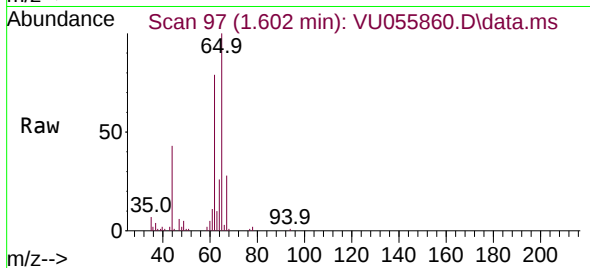
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Acq: 24 Oct 2023 09:28

Instrument :

MSVOA_U

ClientSampleId :

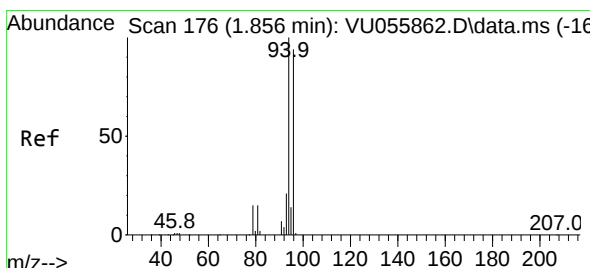
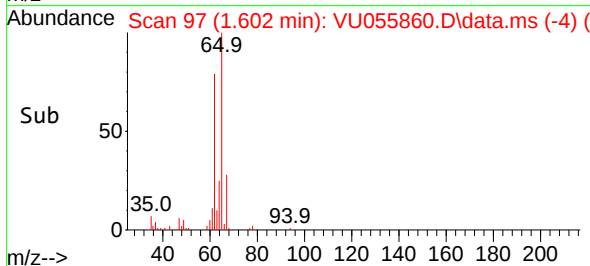
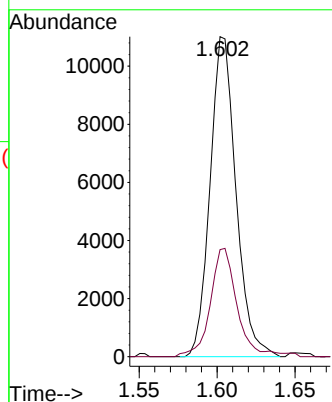


Tgt Ion: 62 Resp: 12737

Ion Ratio Lower Upper

62 100

64 33.5 24.2 45.0



#6

Bromomethane

Concen: 0.438 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.003 min

Lab File: VU055860.D

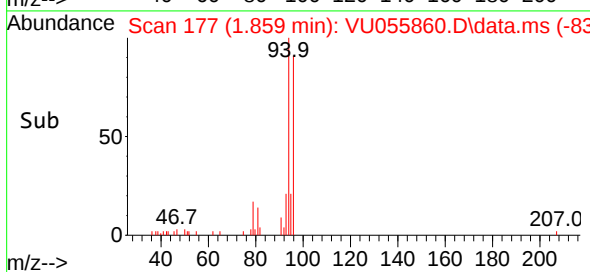
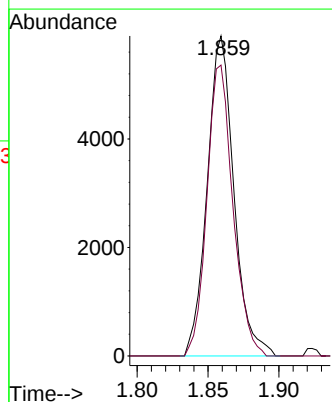
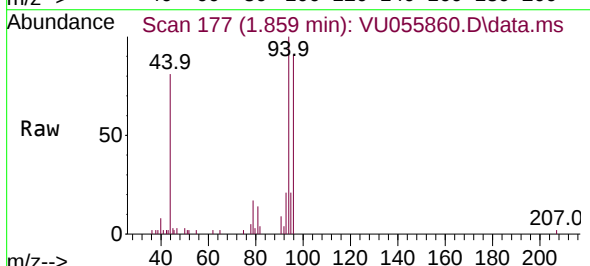
Acq: 24 Oct 2023 09:28

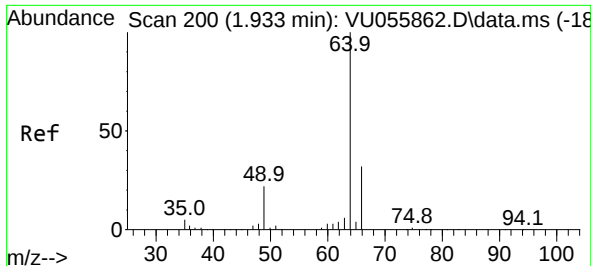
Tgt Ion: 94 Resp: 7758

Ion Ratio Lower Upper

94 100

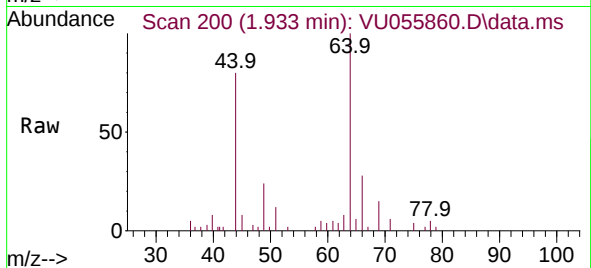
96 90.9 65.9 122.5



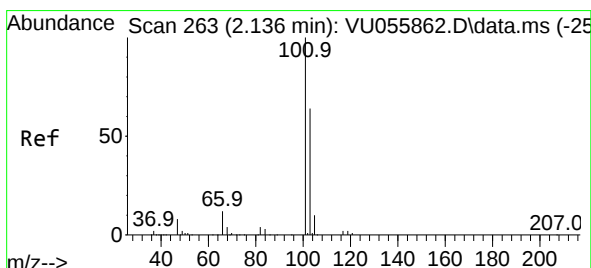
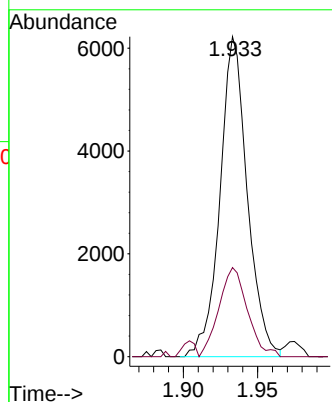
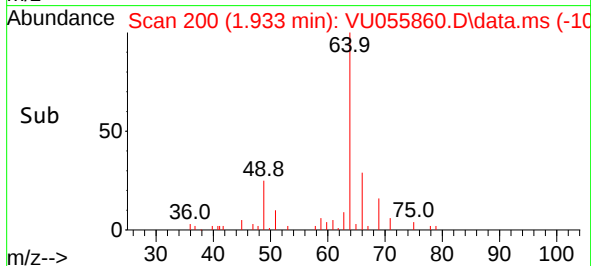


#8
Chloroethane
Concen: 0.434 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

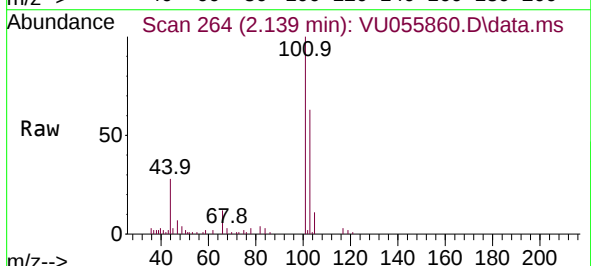
Instrument :
MSVOA_U
ClientSampleId :



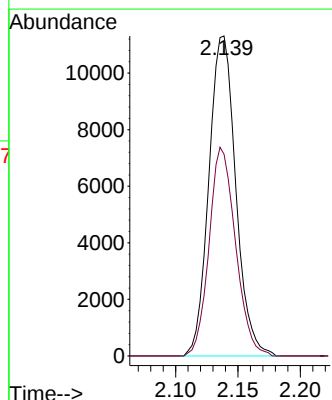
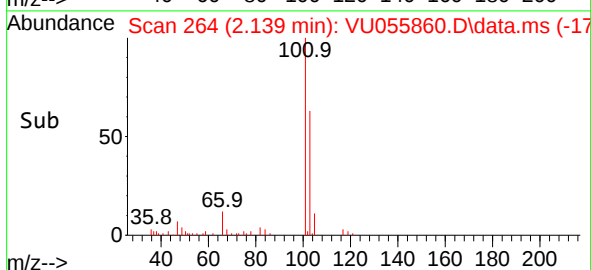
Tgt Ion: 64 Resp: 7985
Ion Ratio Lower Upper
64 100
66 27.9 22.7 42.1

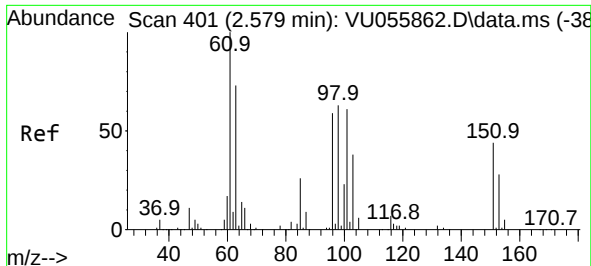


#9
Trichlorofluoromethane
Concen: 0.425 ug/L
RT: 2.139 min Scan# 264
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28



Tgt Ion: 101 Resp: 17017
Ion Ratio Lower Upper
101 100
103 64.0 52.2 78.2

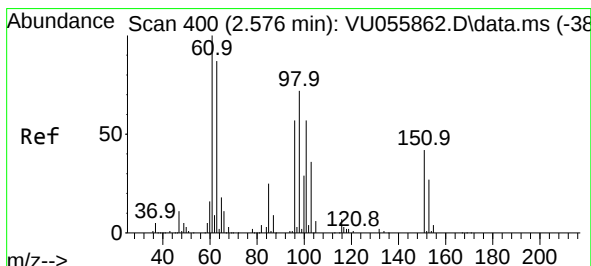
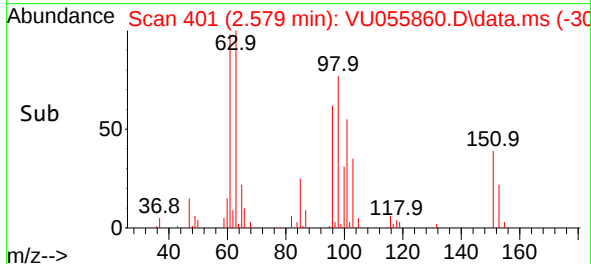
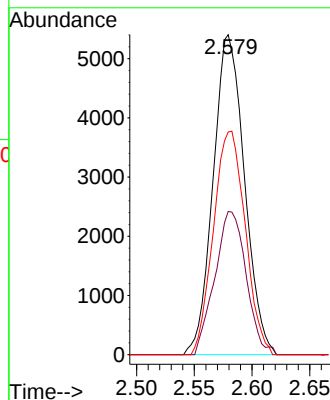
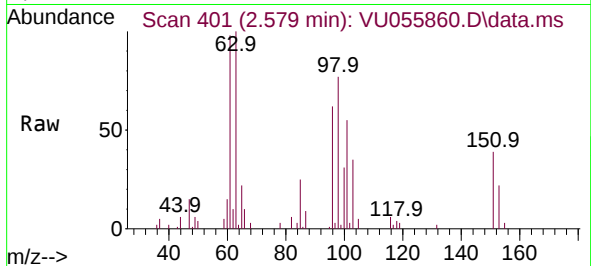




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.451 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU055860.D
 Acq: 24 Oct 2023 09:28

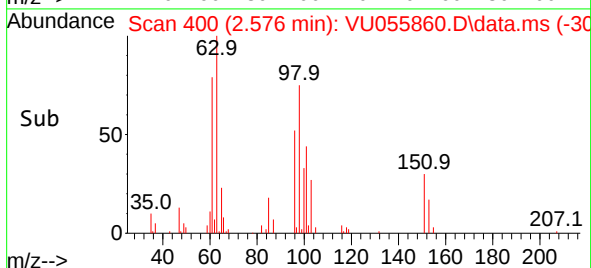
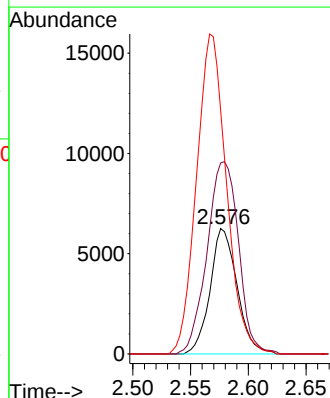
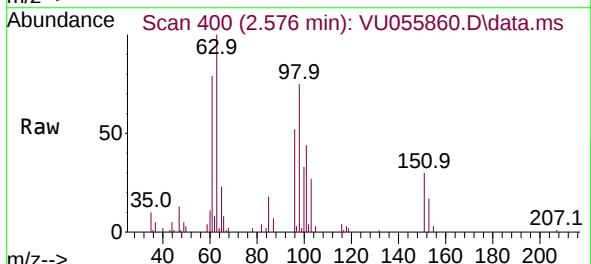
Instrument :
 MSVOA_U
 ClientSampleId :

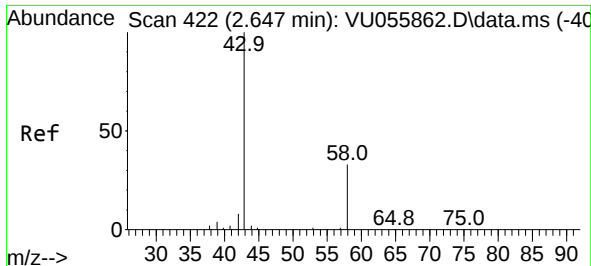
Tgt Ion:101	Resp:	10192
Ion Ratio	Lower	Upper
101	100	
85	44.8	34.4 51.6
151	70.8	58.4 87.6



#12
 1,1-Dichloroethene
 Concen: 0.515 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055860.D
 Acq: 24 Oct 2023 09:28

Tgt Ion: 96	Resp:	10187
Ion Ratio	Lower	Upper
96	100	
61	144.5	123.8 230.0
63	183.9	111.0 206.2





#13

Acetone

Concen: 3.984 ug/L

RT: 2.650 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

Instrument :

MSVOA_U

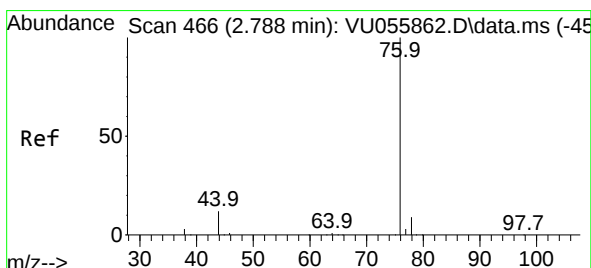
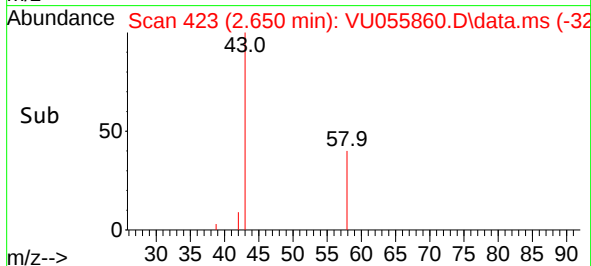
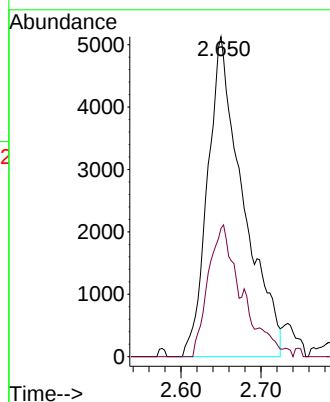
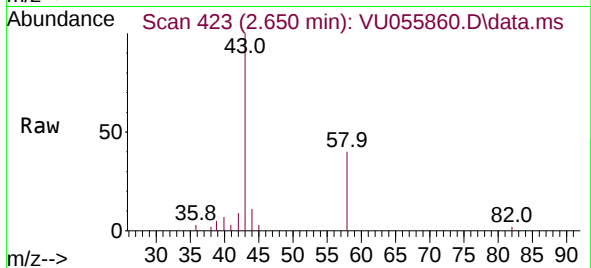
ClientSampleId :

Tgt Ion: 43 Resp: 15801

Ion Ratio Lower Upper

43 100

58 30.4 0.0 69.0



#14

Carbon disulfide

Concen: 0.484 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU055860.D

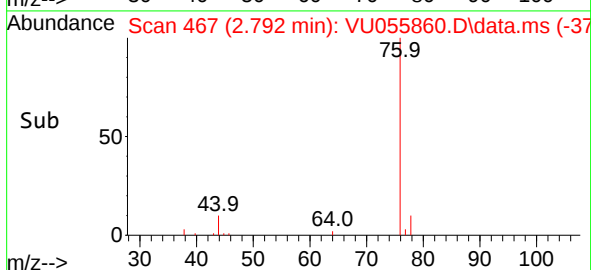
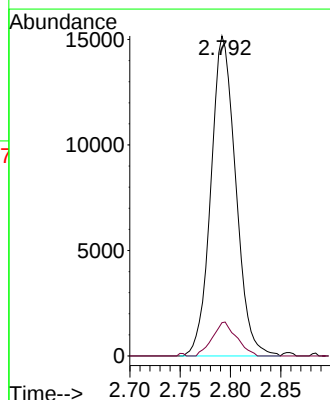
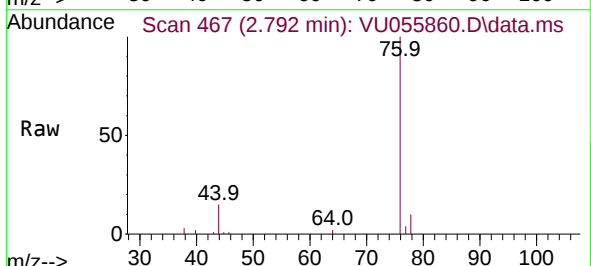
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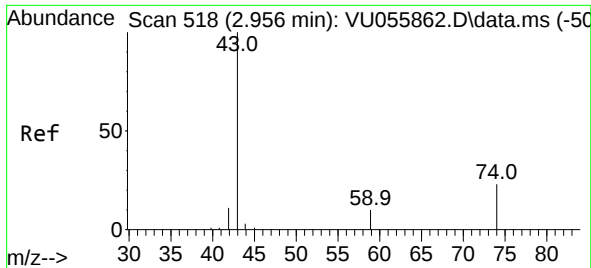
Tgt Ion: 76 Resp: 26070

Ion Ratio Lower Upper

76 100

78 10.4 7.5 11.3

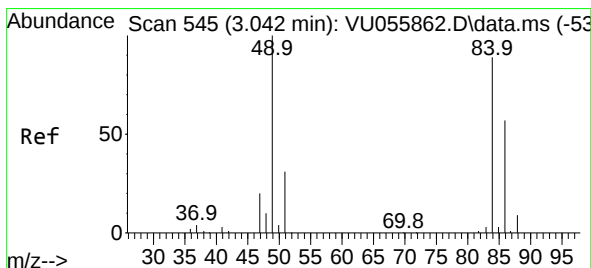
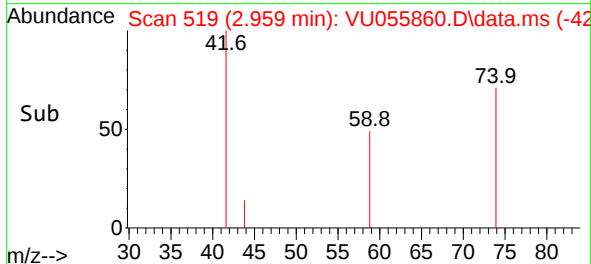
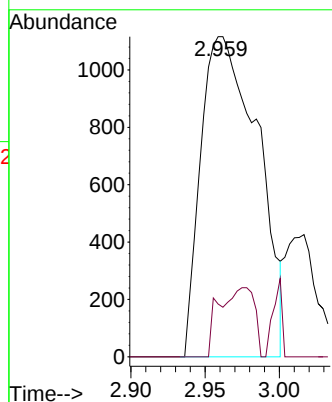
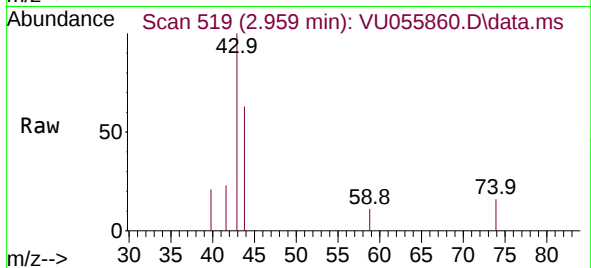




#15
Methyl Acetate
Concen: 0.372 ug/L
RT: 2.959 min Scan# 518
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

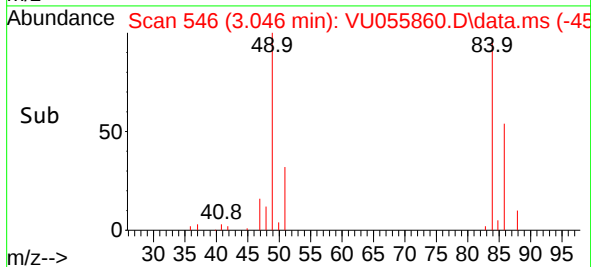
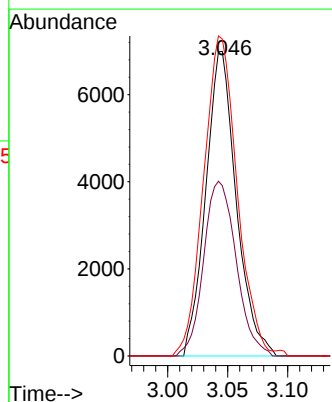
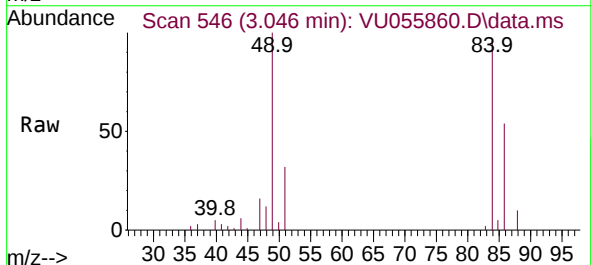
Instrument :
MSVOA_U
ClientSampleId :

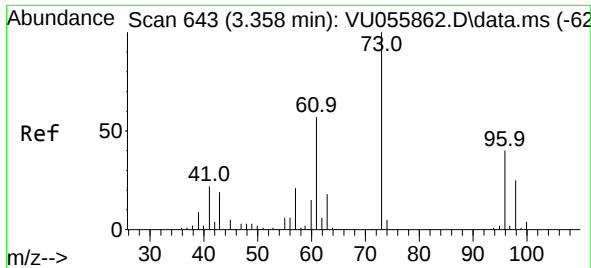
Tgt Ion: 43 Resp: 2970
Ion Ratio Lower Upper
43 100
74 3.6 19.9 29.9#



#16
Methylene chloride
Concen: 0.416 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

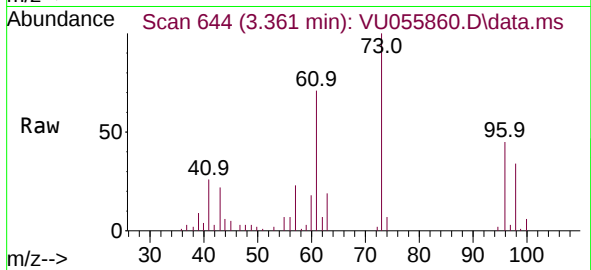
Tgt Ion: 84 Resp: 12408
Ion Ratio Lower Upper
84 100
86 55.9 45.2 84.0
49 104.1 78.8 146.3





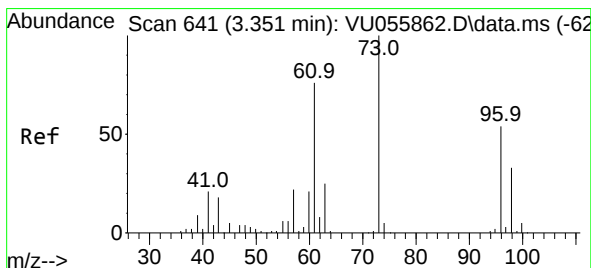
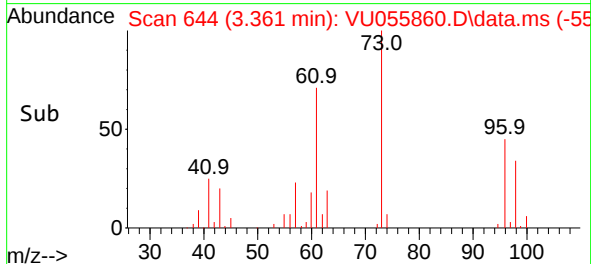
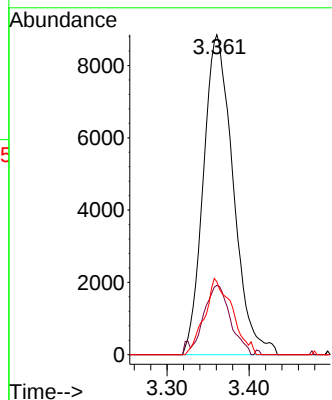
#17
Methyl tert-butyl Ether
Concen: 0.398 ug/L
RT: 3.361 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 73 Resp: 22294

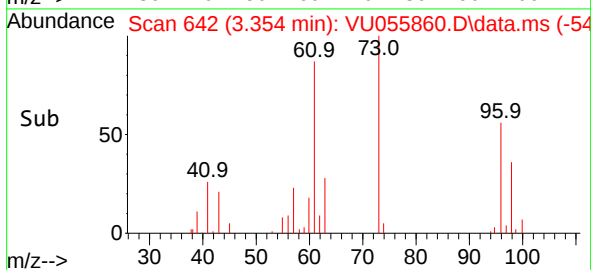
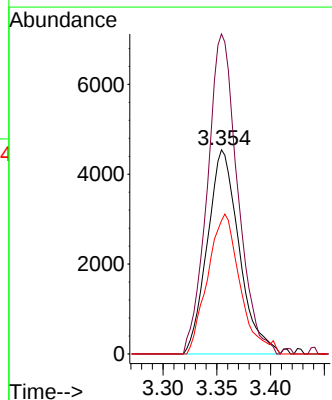
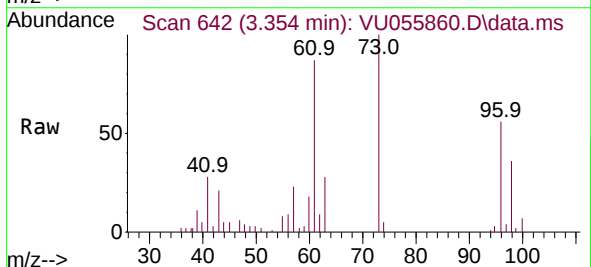
Ion	Ratio	Lower	Upper
73	100		
43	19.0	14.4	21.6
57	22.1	17.0	25.4

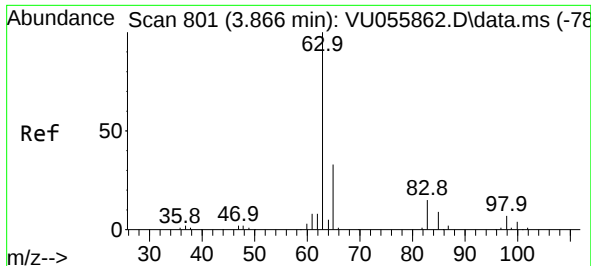


#18
trans-1,2-Dichloroethene
Concen: 0.437 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

Tgt Ion: 96 Resp: 9320

Ion	Ratio	Lower	Upper
96	100		
61	156.7	97.5	181.1
98	65.3	42.7	79.3





#19

1,1-Dichloroethane

Concen: 0.437 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

Instrument :

MSVOA_U

ClientSampleId :

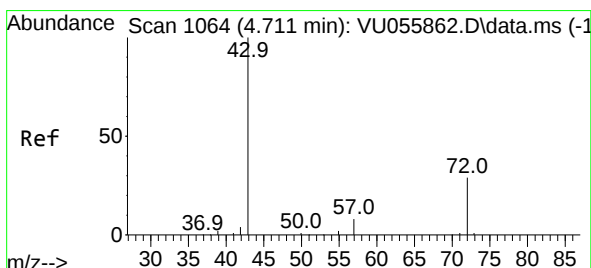
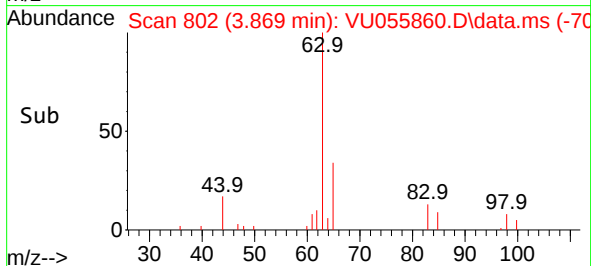
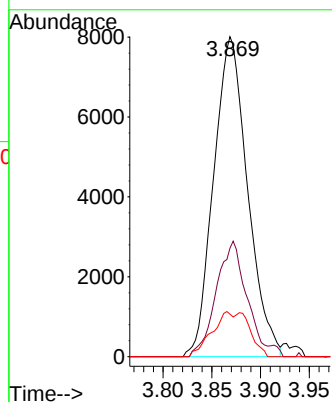
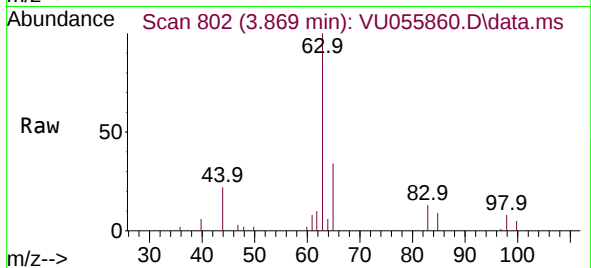
Tgt Ion: 63 Resp: 19373

Ion Ratio Lower Upper

63 100

65 33.9 23.3 43.3

83 13.3 10.5 19.5



#21

2-Butanone

Concen: 3.578 ug/L

RT: 4.737 min Scan# 1072

Delta R.T. 0.026 min

Lab File: VU055860.D

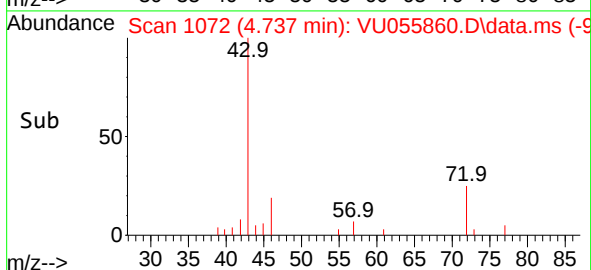
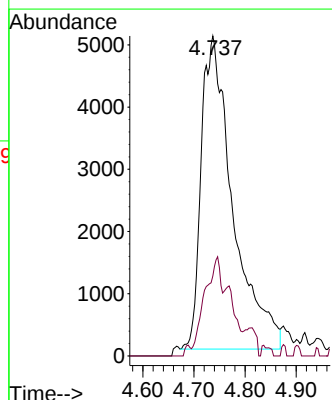
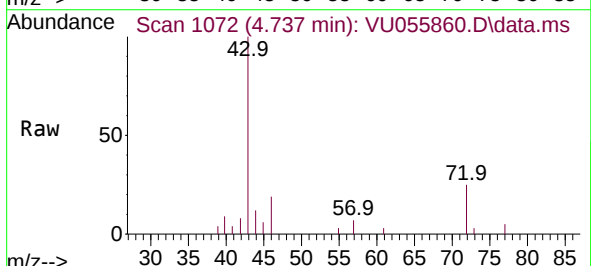
Acq: 24 Oct 2023 09:28

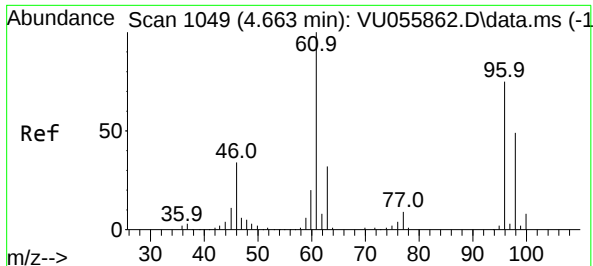
Tgt Ion: 43 Resp: 21613

Ion Ratio Lower Upper

43 100

72 14.6 14.4 43.4

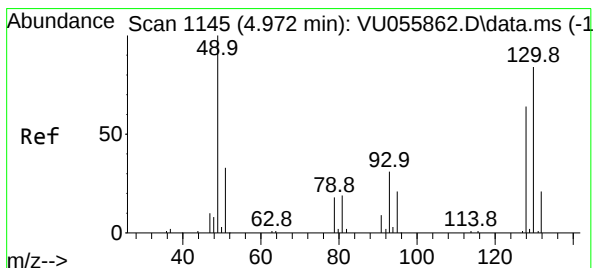
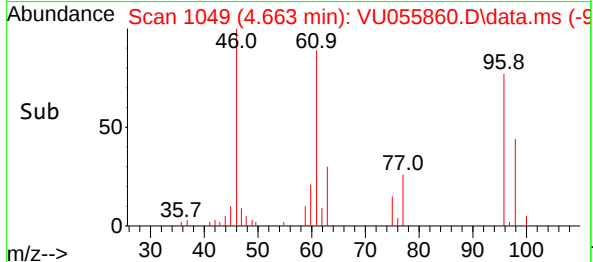
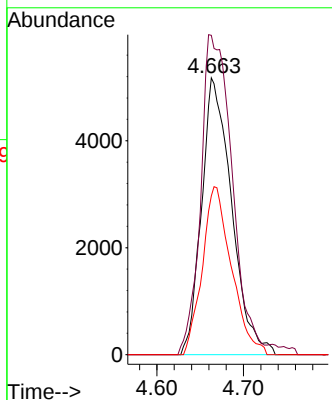
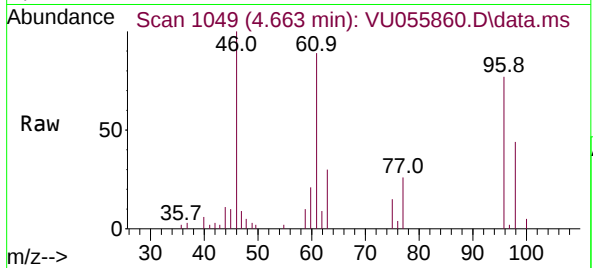




#22
 cis-1,2-Dichloroethene
 Concen: 0.498 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU055860.D
 Acq: 24 Oct 2023 09:28

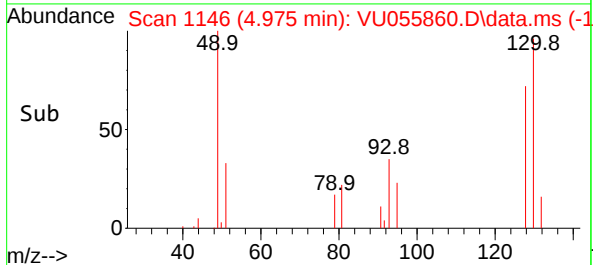
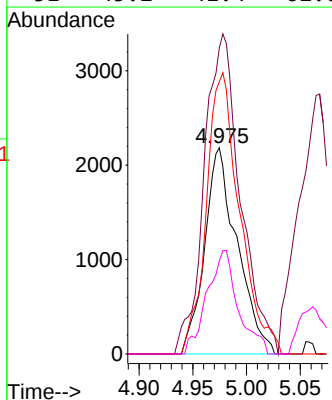
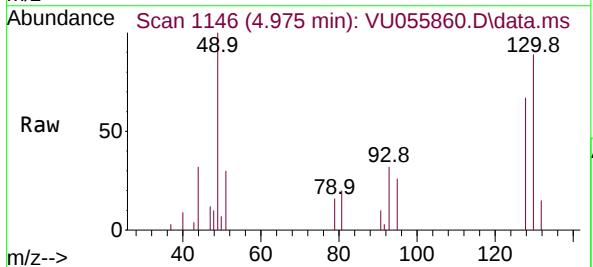
Instrument :
 MSVOA_U
 ClientSampleId :

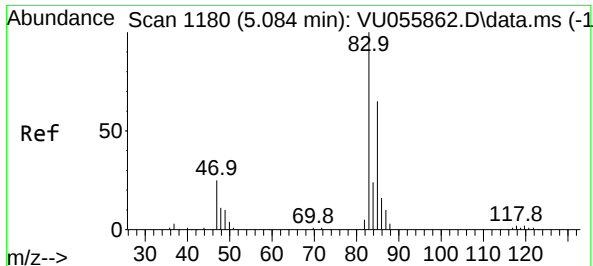
Tgt Ion:	96	Resp:	12454
Ion	Ratio	Lower	Upper
96	100		
61	115.4	93.8	174.2
98	57.4	45.6	84.8



#23
 Bromochloromethane
 Concen: 0.423 ug/L
 RT: 4.975 min Scan# 1146
 Delta R.T. 0.003 min
 Lab File: VU055860.D
 Acq: 24 Oct 2023 09:28

Tgt Ion:	128	Resp:	4603
Ion	Ratio	Lower	Upper
128	100		
49	158.9	108.7	201.9
130	132.0	91.5	169.9
51	45.2	41.4	62.0





#25

Chloroform

Concen: 0.436 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

Instrument :

MSVOA_U

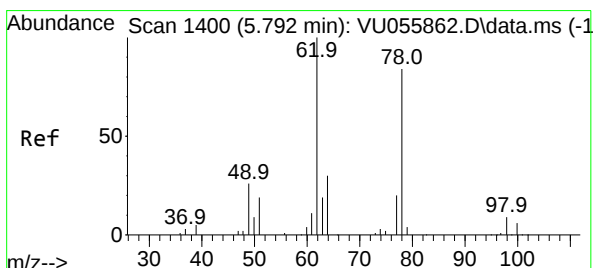
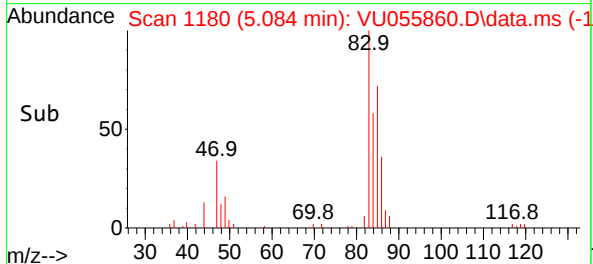
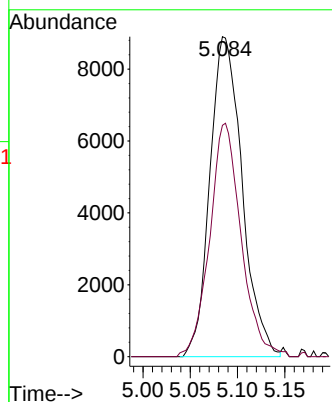
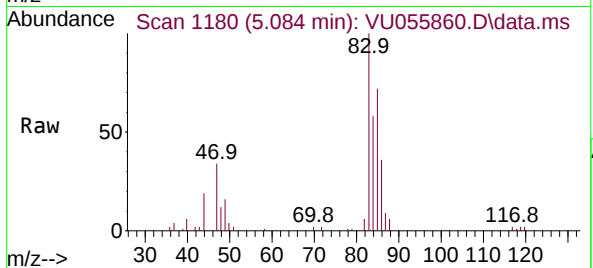
ClientSampleId :

Tgt Ion: 83 Resp: 21109

Ion Ratio Lower Upper

83 100

85 72.3 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.417 ug/L

RT: 5.801 min Scan# 1403

Delta R.T. 0.009 min

Lab File: VU055860.D

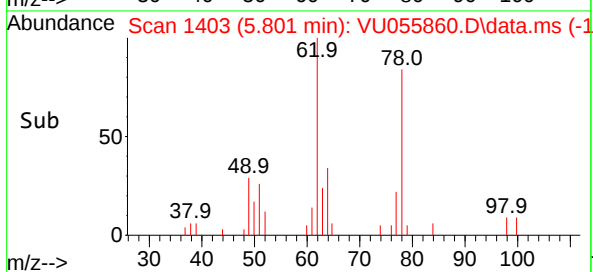
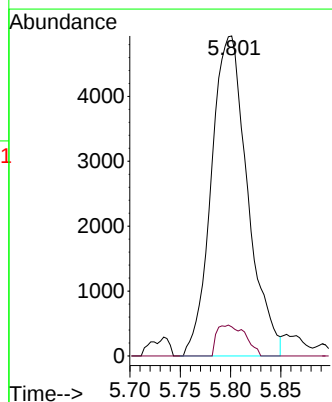
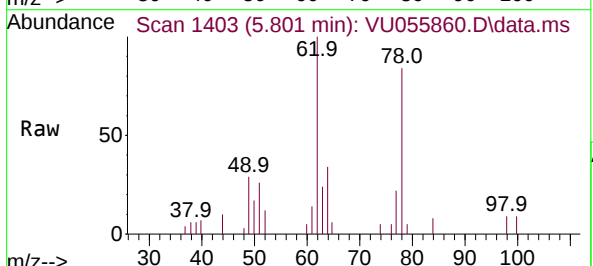
Acq: 24 Oct 2023 09:28

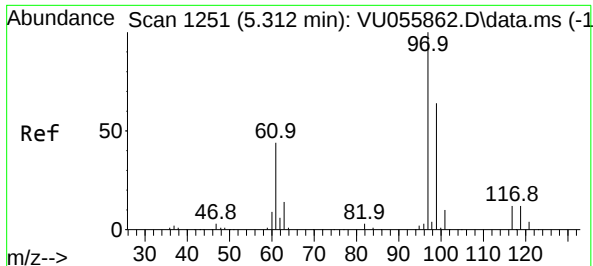
Tgt Ion: 62 Resp: 12352

Ion Ratio Lower Upper

62 100

98 9.1 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 0.418 ug/L

RT: 5.316 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

Instrument :

MSVOA_U

ClientSampleId :

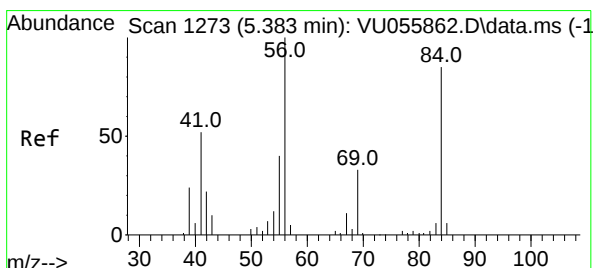
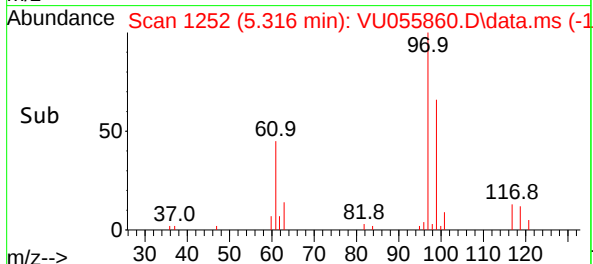
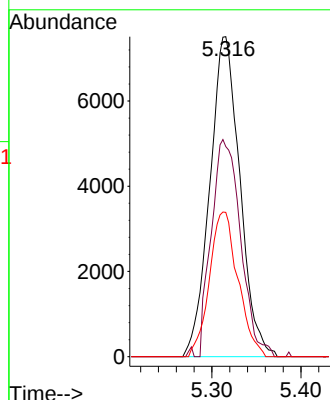
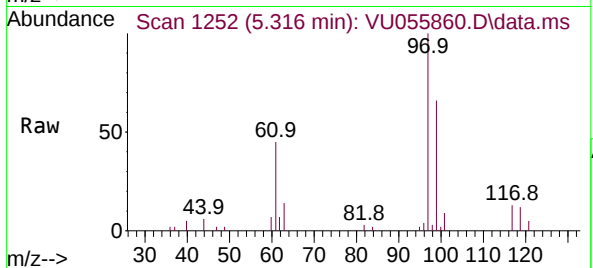
Tgt Ion: 97 Resp: 17627

Ion Ratio Lower Upper

97 100

99 66.0 50.8 76.2

61 42.8 35.0 52.4



#30

Cyclohexane

Concen: 0.374 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.003 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

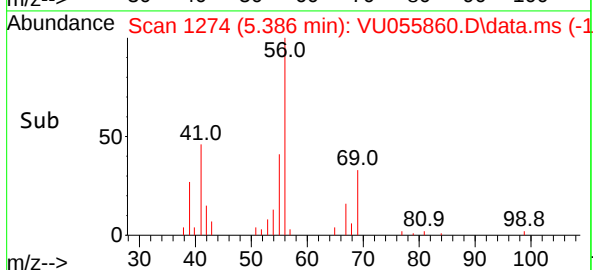
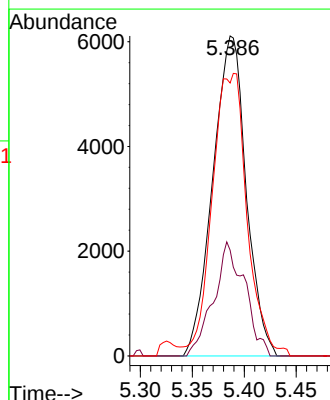
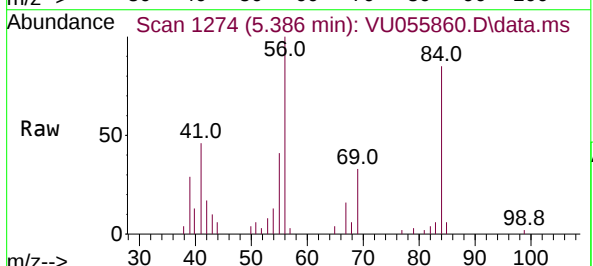
Tgt Ion: 56 Resp: 13674

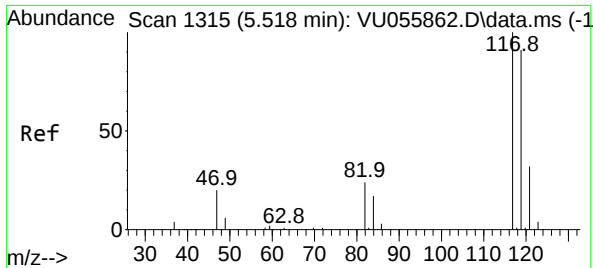
Ion Ratio Lower Upper

56 100

69 33.2 25.4 38.2

84 92.0 71.0 106.6

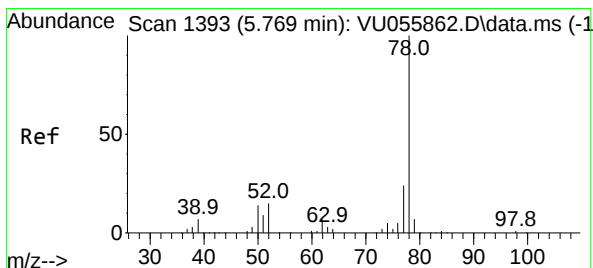
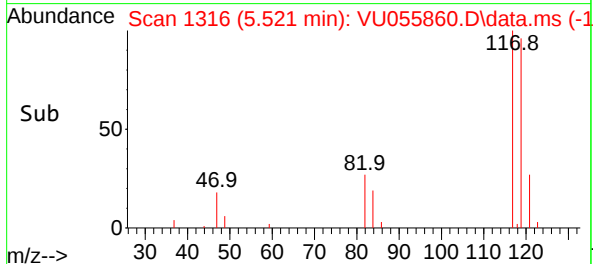
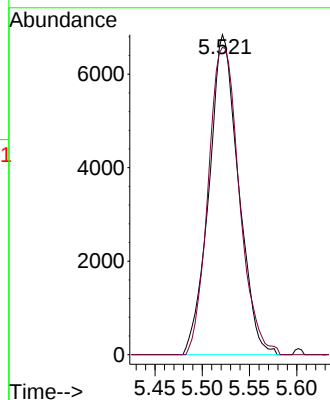
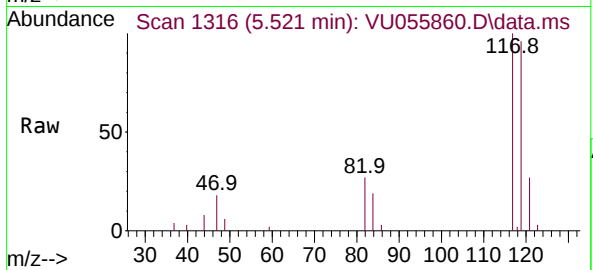




#31
Carbon tetrachloride
Concen: 0.415 ug/L
RT: 5.521 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

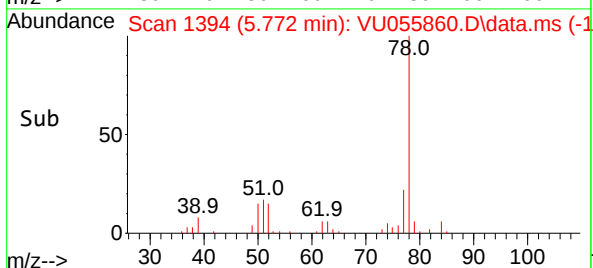
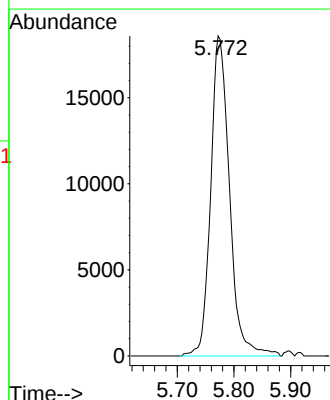
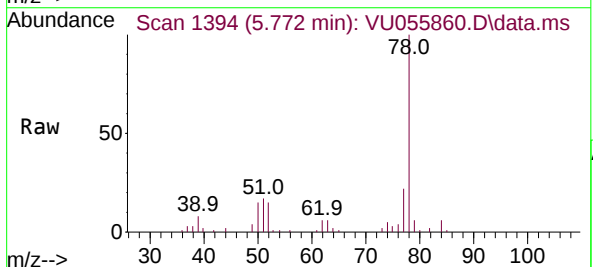
Instrument :
MSVOA_U
ClientSampleId :

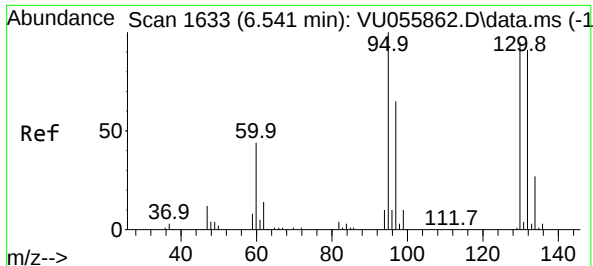
Tgt Ion:117 Resp: 14857
Ion Ratio Lower Upper
117 100
119 101.2 75.1 112.7



#33
Benzene
Concen: 0.429 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

Tgt Ion: 78 Resp: 42887



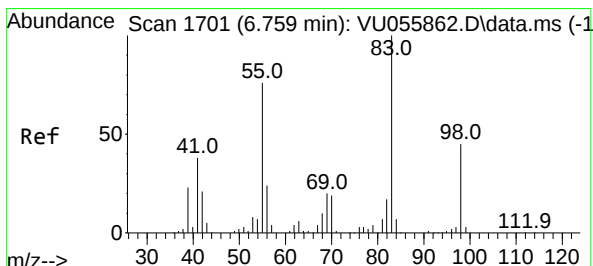
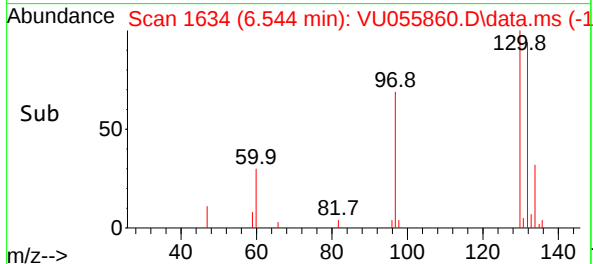
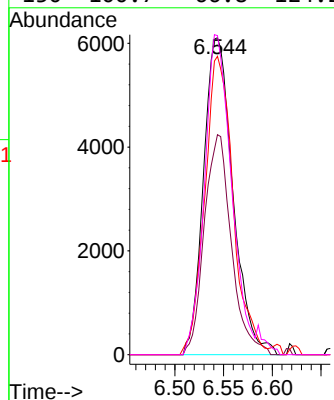
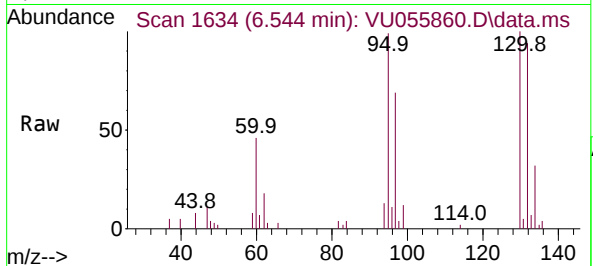


#34
Trichloroethene
Concen: 0.465 ug/L
RT: 6.544 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 12812

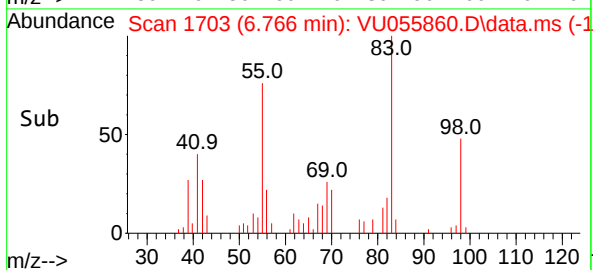
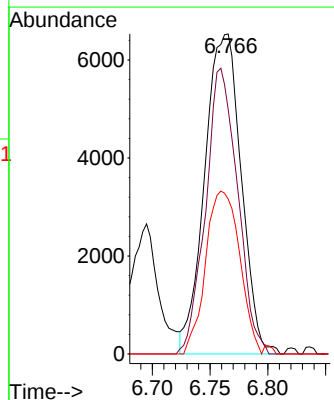
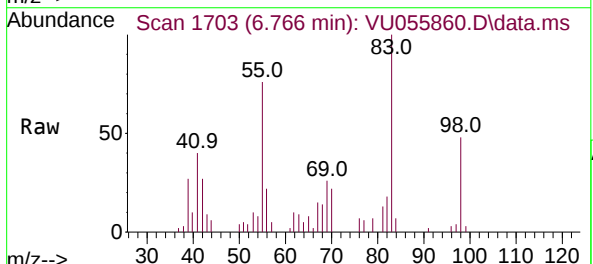
Ion	Ratio	Lower	Upper
95	100		
97	69.4	45.4	84.2
132	94.2	63.9	118.7
130	100.7	66.8	124.2

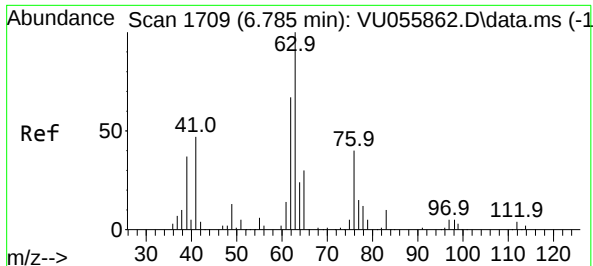


#35
Methylcyclohexane
Concen: 0.356 ug/L
RT: 6.766 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

Tgt Ion: 83 Resp: 14346

Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.4	93.6
98	47.5	37.4	56.2





#37

1,2-Dichloropropane

Concen: 0.425 ug/L

RT: 6.791 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

Instrument :

MSVOA_U

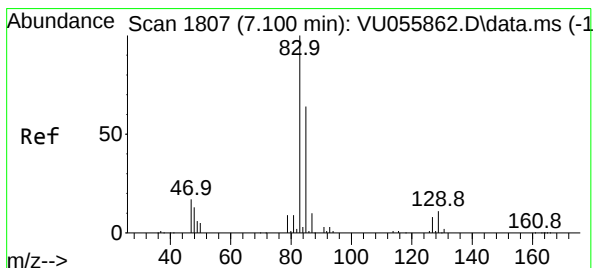
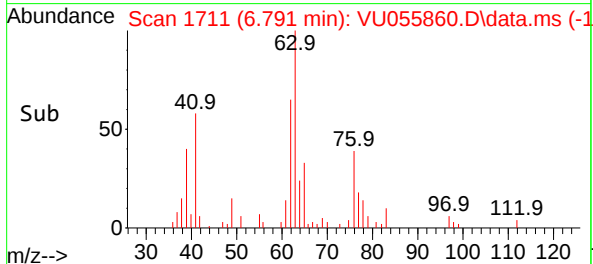
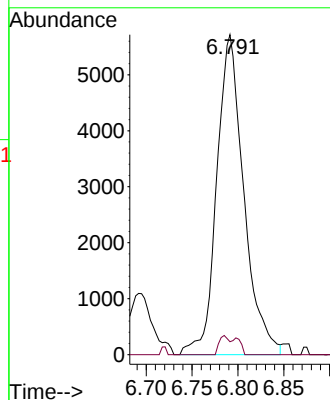
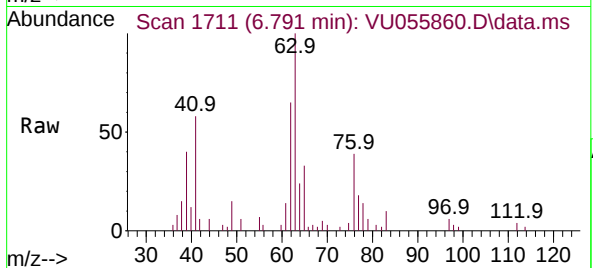
ClientSampleId :

Tgt Ion: 63 Resp: 11747

Ion Ratio Lower Upper

63 100

112 2.2 3.1 4.7#



#38

Bromodichloromethane

Concen: 0.421 ug/L

RT: 7.106 min Scan# 1809

Delta R.T. 0.006 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

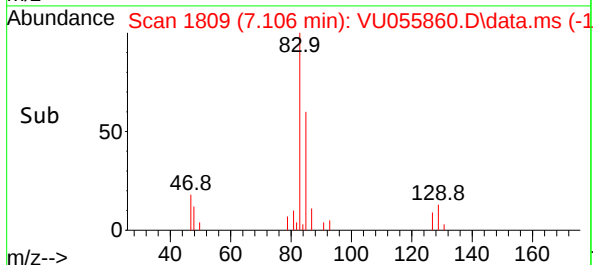
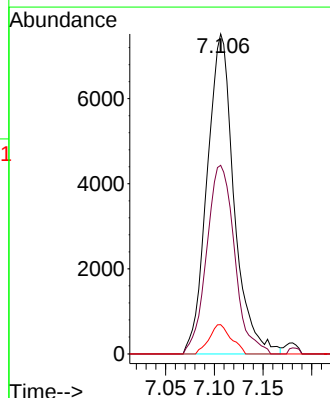
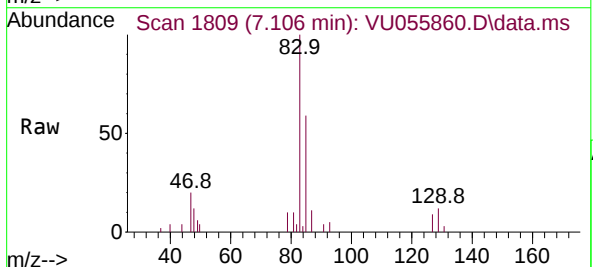
Tgt Ion: 83 Resp: 14463

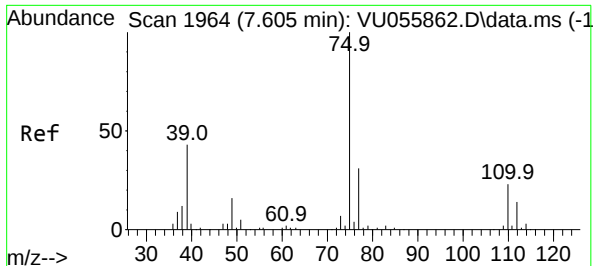
Ion Ratio Lower Upper

83 100

85 58.9 44.9 83.3

127 9.1 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 0.386 ug/L

RT: 7.611 min Scan# 1966

Delta R.T. 0.006 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

Instrument :

MSVOA_U

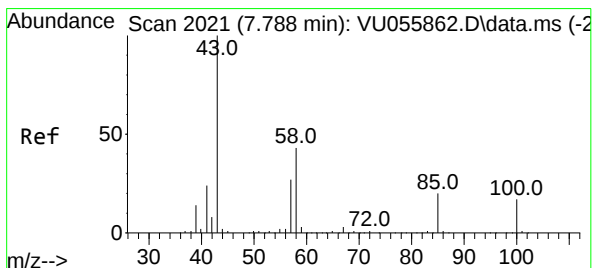
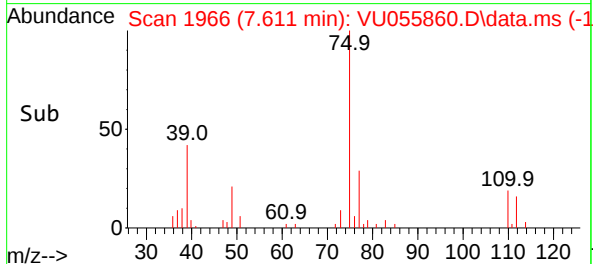
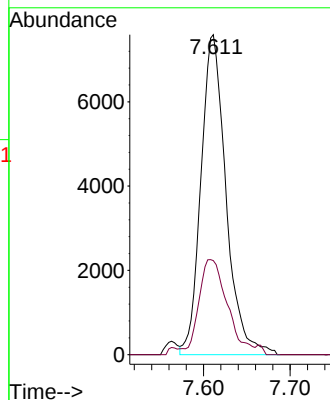
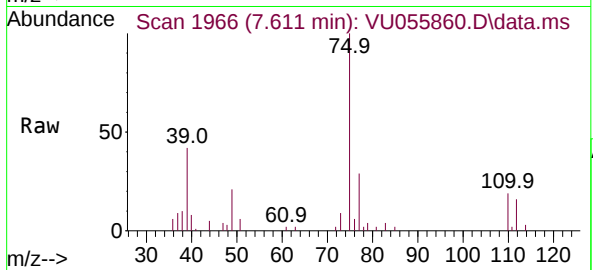
ClientSampleId :

Tgt Ion: 75 Resp: 15273

Ion Ratio Lower Upper

75 100

77 29.4 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 3.299 ug/L

RT: 7.791 min Scan# 2022

Delta R.T. 0.003 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

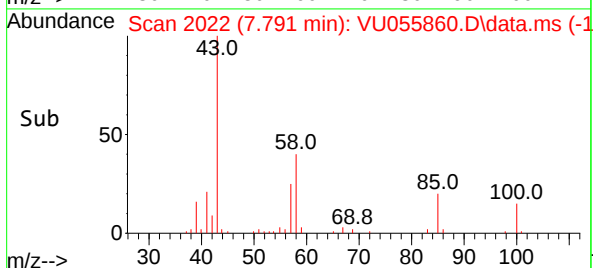
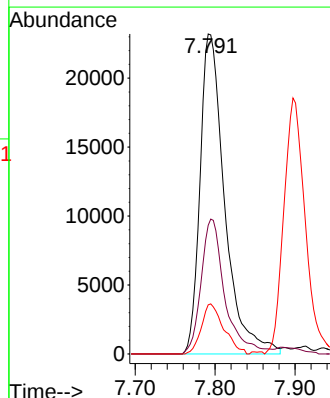
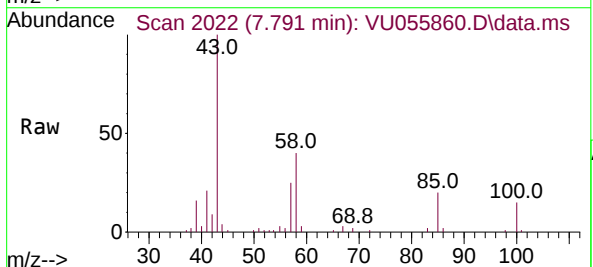
Tgt Ion: 43 Resp: 49827

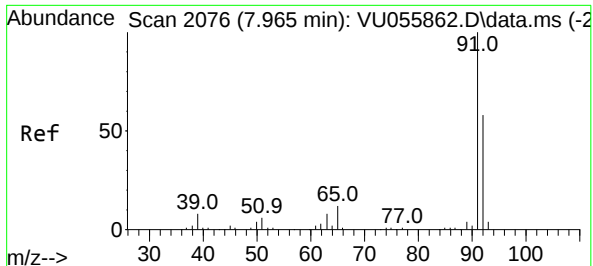
Ion Ratio Lower Upper

43 100

58 40.7 34.0 51.0

100 14.2 13.0 19.6





#42

Toluene

Concen: 0.389 ug/L

RT: 7.971 min Scan# 2076

Delta R.T. 0.006 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

Instrument :

MSVOA_U

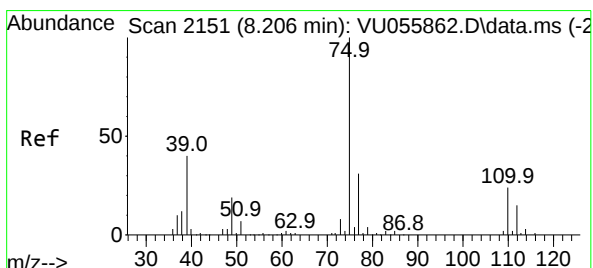
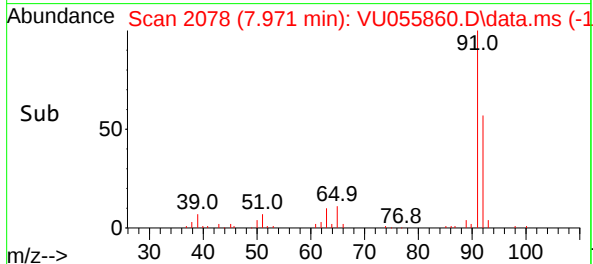
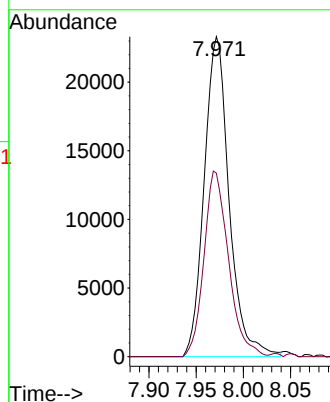
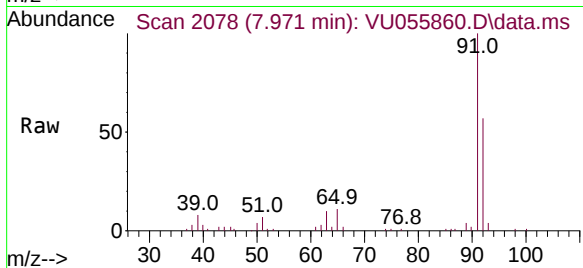
ClientSampleId :

Tgt Ion: 91 Resp: 42736

Ion Ratio Lower Upper

91 100

92 57.4 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 0.368 ug/L

RT: 8.213 min Scan# 2153

Delta R.T. 0.006 min

Lab File: VU055860.D

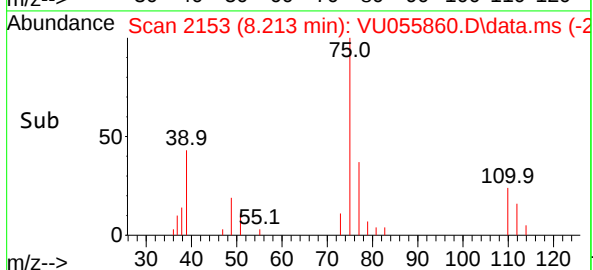
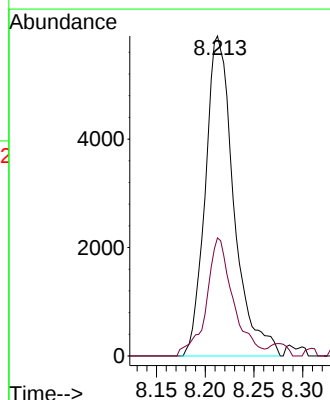
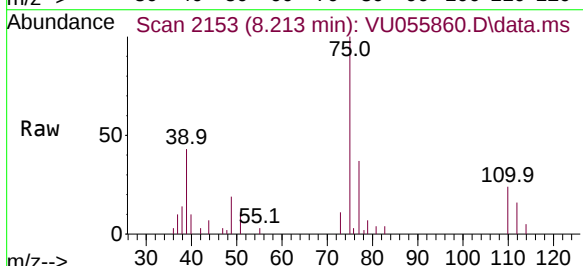
Acq: 24 Oct 2023 09:28

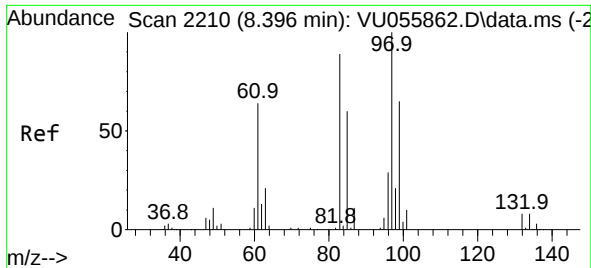
Tgt Ion: 75 Resp: 12005

Ion Ratio Lower Upper

75 100

77 36.9 21.7 40.3

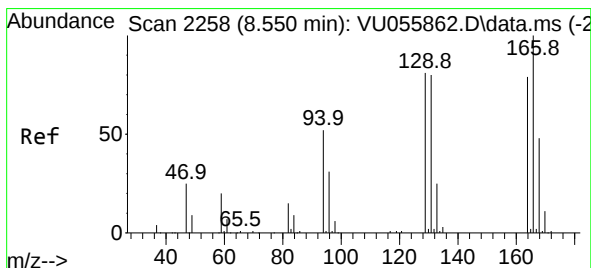
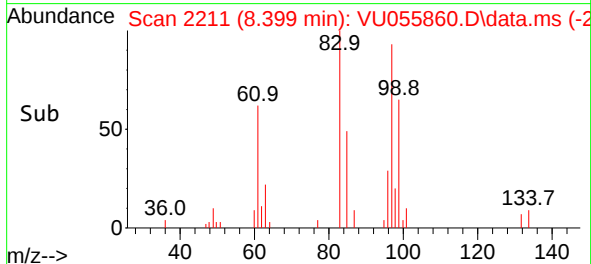
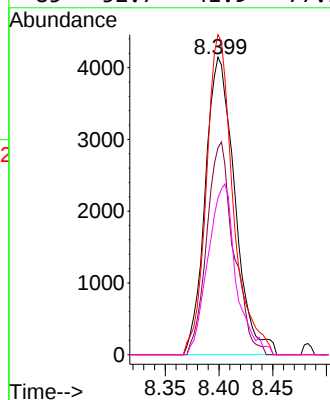
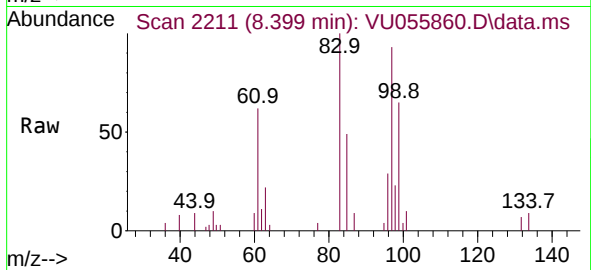




#45
1,1,2-Trichloroethane
Concen: 0.424 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

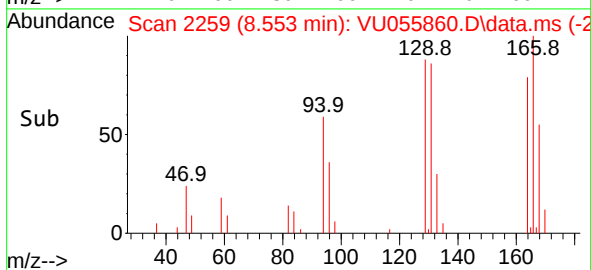
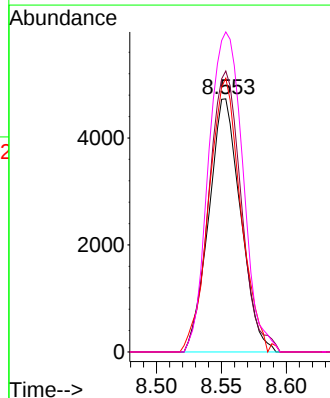
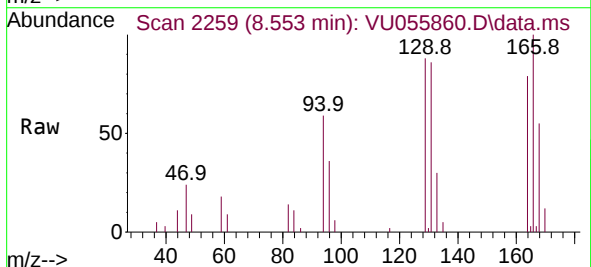
Instrument :
MSVOA_U
ClientSampleId :

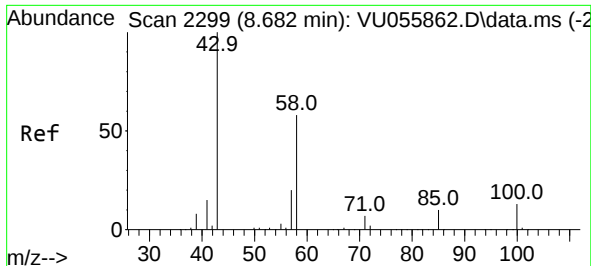
Tgt Ion: 97	Resp: 7920
Ion Ratio	Lower Upper
97 100	
99 69.6	45.3 84.1
83 107.6	61.9 115.1
85 52.7	41.9 77.9



#47
Tetrachloroethene
Concen: 0.406 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

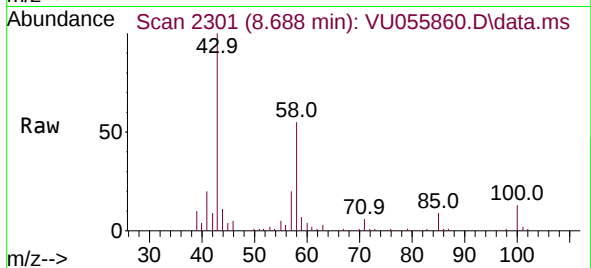
Tgt	Ion:164	Resp:	8065
Ion	Ratio	Lower	Upper
164	100		
129	111.0	72.2	134.0
131	108.2	70.8	131.6
166	126.4	89.0	165.2



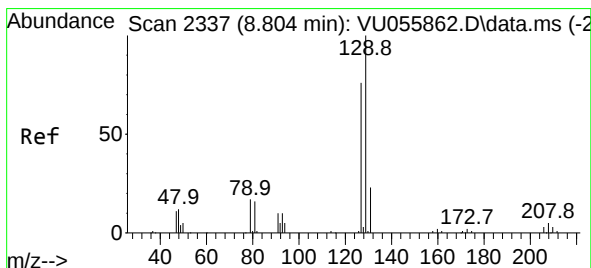
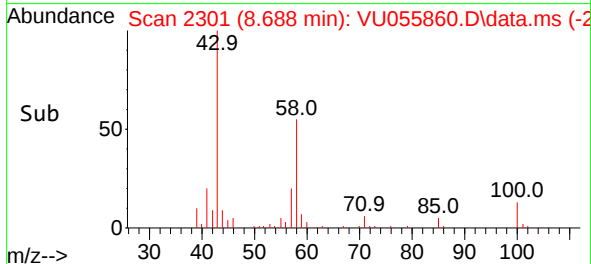
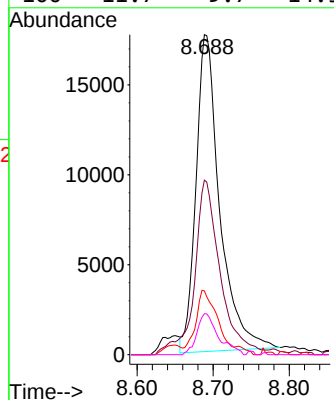


#48
2-Hexanone
Concen: 3.377 ug/L
RT: 8.688 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

Instrument :
MSVOA_U
ClientSampleId :

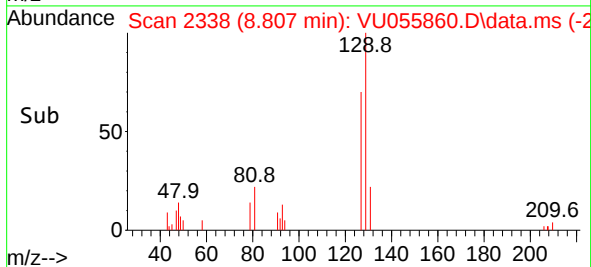
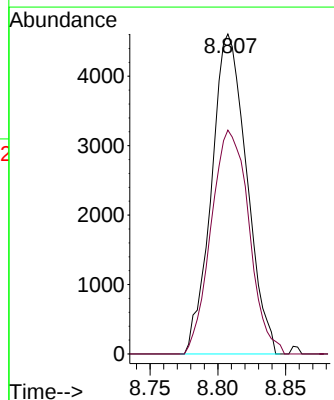
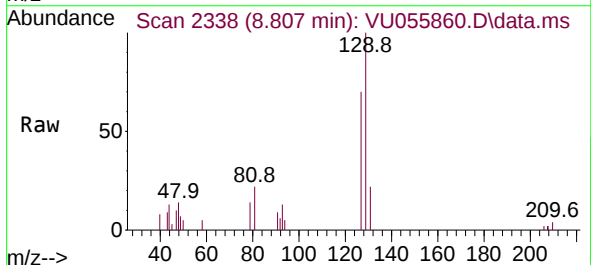


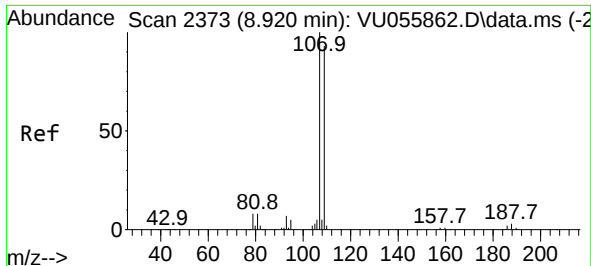
Tgt Ion: 43 Resp: 38333
Ion Ratio Lower Upper
43 100
58 59.2 49.5 74.3
57 15.7 16.9 25.3#
100 11.7 9.7 14.5



#49
Dibromochloromethane
Concen: 0.381 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

Tgt Ion: 129 Resp: 8313
Ion Ratio Lower Upper
129 100
127 69.9 53.5 99.5





#50

1,2-Dibromoethane

Concen: 0.379 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.003 min

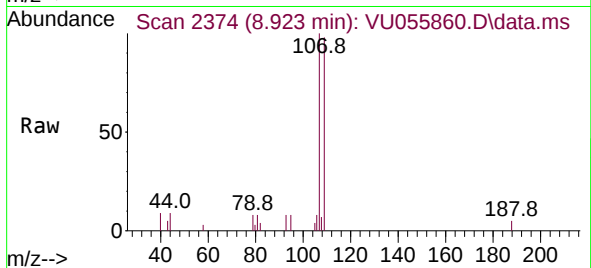
Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

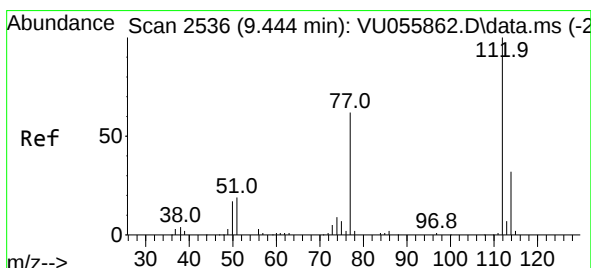
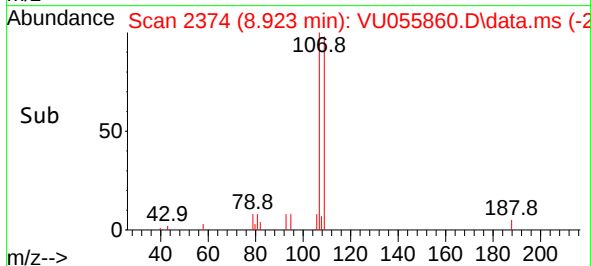
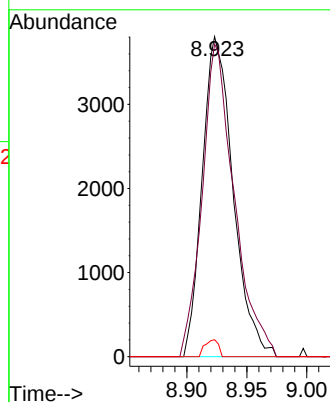
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	6806
Ion	Ratio	Lower	Upper
107	100		
109	97.7	65.0	120.6
188	5.3	2.5	3.7#



#51

Chlorobenzene

Concen: 0.420 ug/L

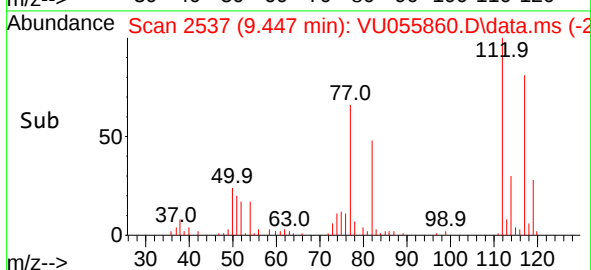
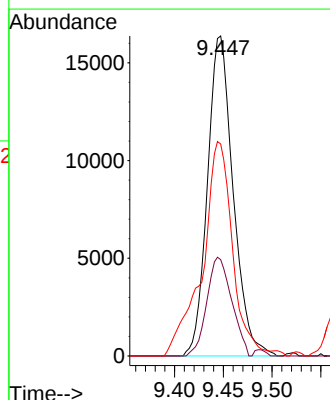
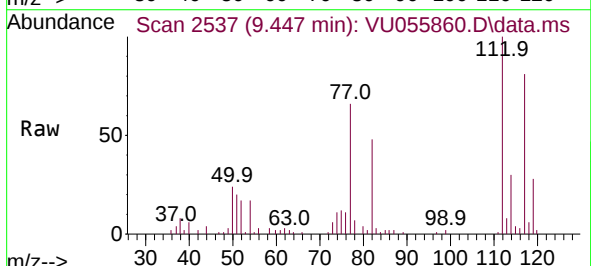
RT: 9.447 min Scan# 2537

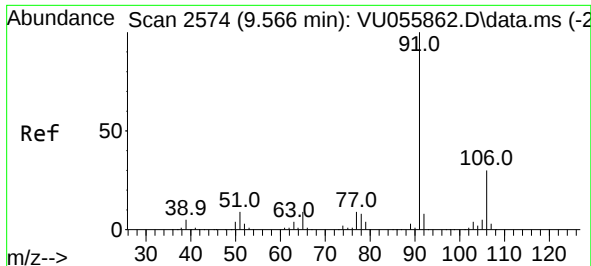
Delta R.T. 0.003 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

Tgt Ion:	112	Resp:	30072
Ion	Ratio	Lower	Upper
112	100		
114	30.1	22.3	41.5
77	66.2	49.9	74.9

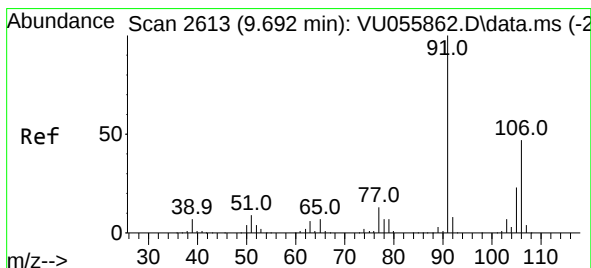
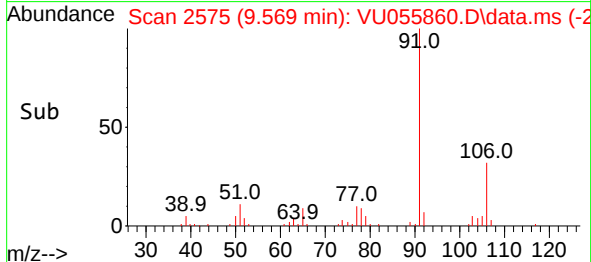
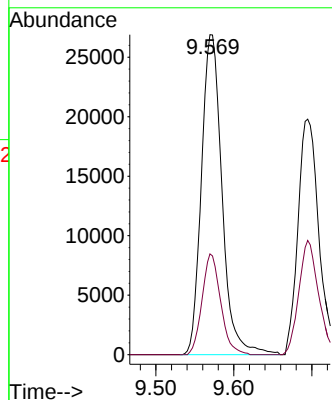
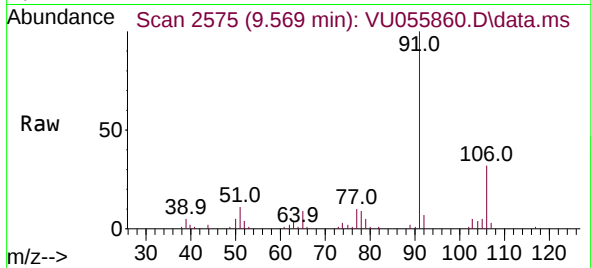




#52
Ethylbenzene
Concen: 0.400 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

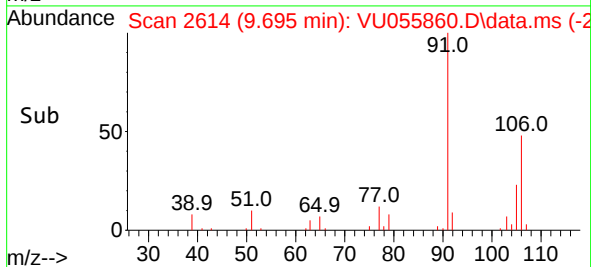
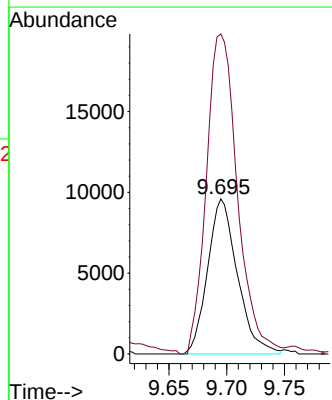
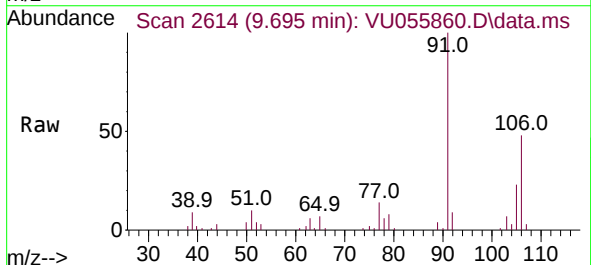
Instrument :
MSVOA_U
ClientSampleId :

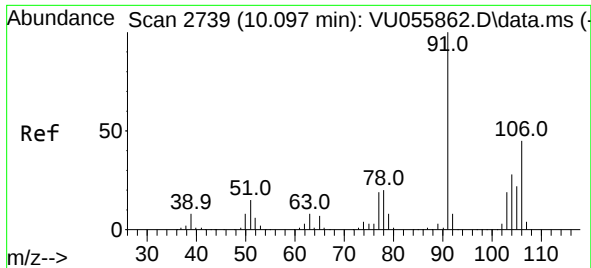
Tgt Ion: 91 Resp: 49435
Ion Ratio Lower Upper
91 100
106 31.5 21.3 39.5



#53
m,p-Xylene
Concen: 0.372 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

Tgt Ion: 106 Resp: 17226
Ion Ratio Lower Upper
106 100
91 206.3 150.4 279.2

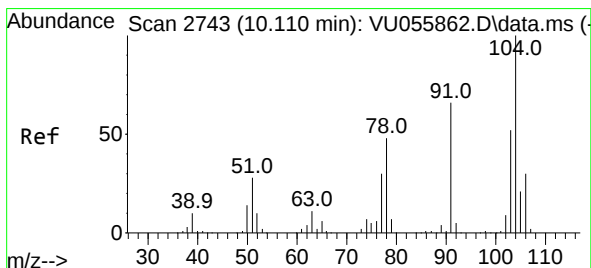
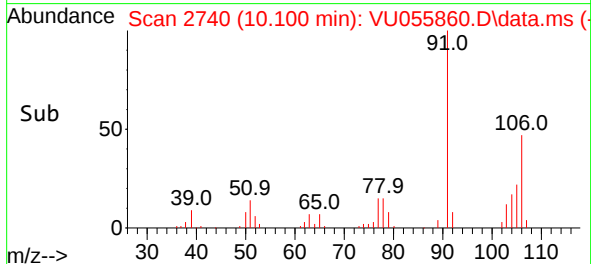
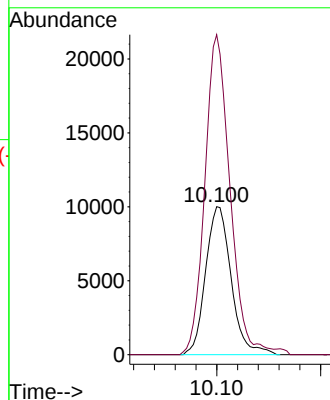
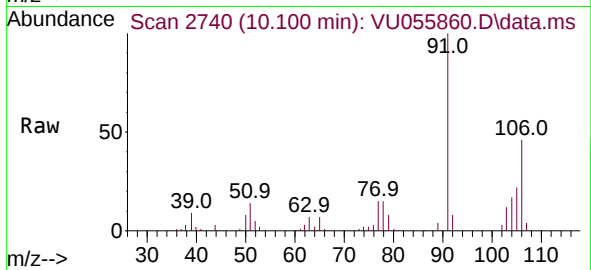




#54
o-Xylene
Concen: 0.383 ug/L
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

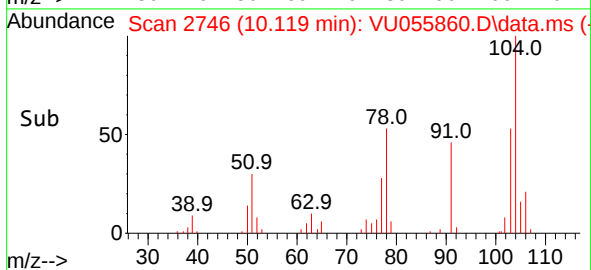
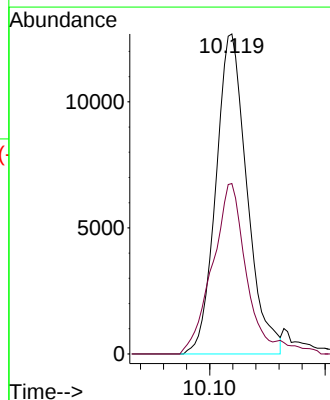
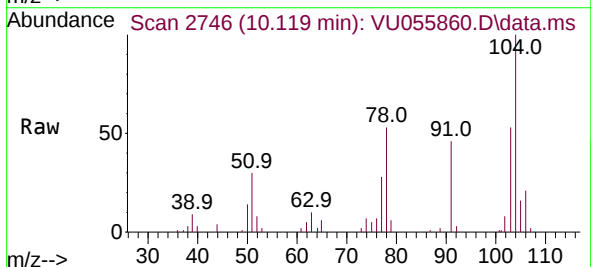
Instrument :
MSVOA_U
ClientSampleId :

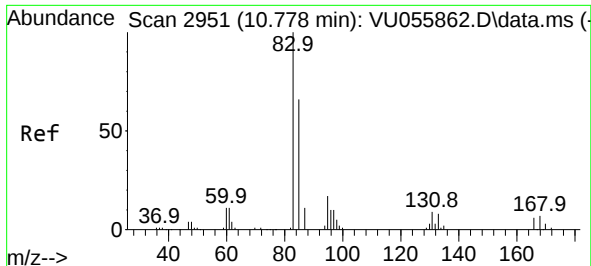
Tgt Ion:106 Resp: 17094
Ion Ratio Lower Upper
106 100
91 216.2 154.6 287.2



#55
Styrene
Concen: 0.323 ug/L
RT: 10.119 min Scan# 2746
Delta R.T. 0.009 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

Tgt Ion:104 Resp: 23689
Ion Ratio Lower Upper
104 100
78 53.3 33.9 63.0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.365 ug/L

RT: 10.782 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

Instrument :

MSVOA_U

ClientSampleId :

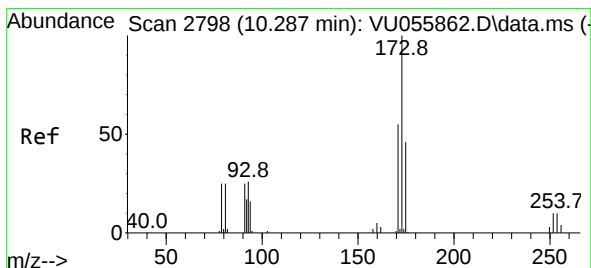
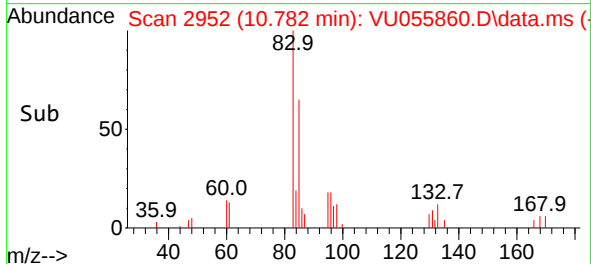
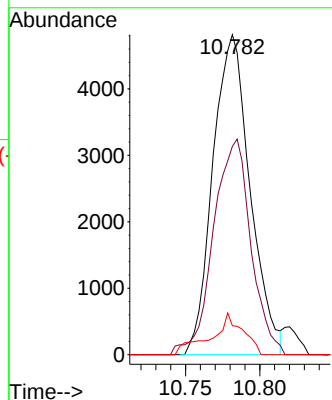
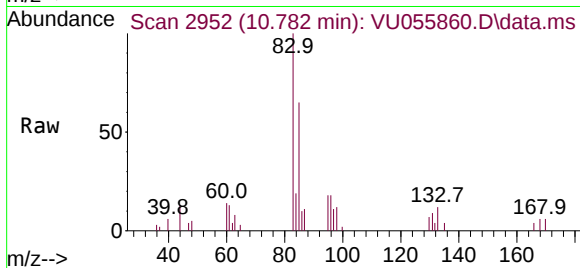
Tgt Ion: 83 Resp: 8396

Ion Ratio Lower Upper

83 100

85 65.1 46.2 85.8

131 9.0 7.2 10.8



#59

Bromoform

Concen: 0.487 ug/L

RT: 10.293 min Scan# 2800

Delta R.T. 0.006 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

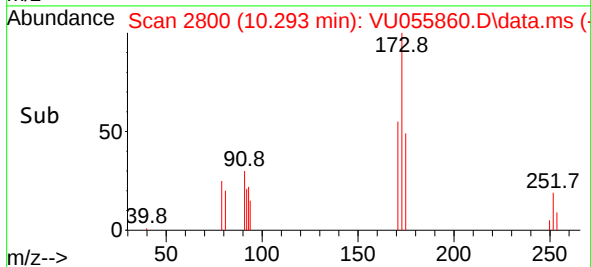
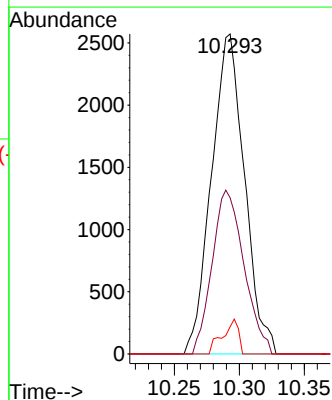
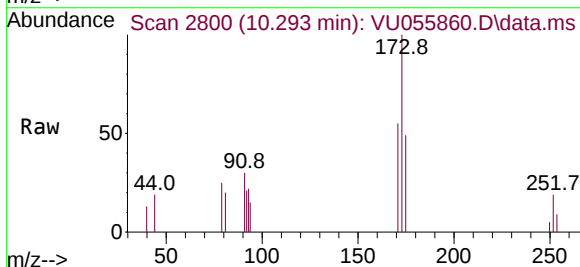
Tgt Ion:173 Resp: 4545

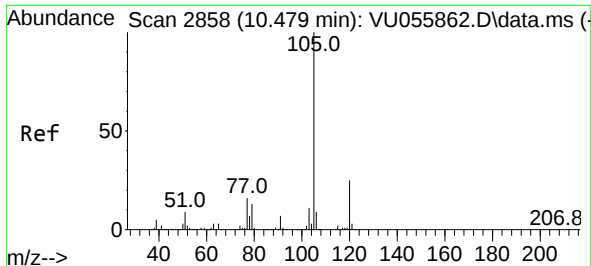
Ion Ratio Lower Upper

173 100

175 49.4 37.8 56.6

254 5.2 7.4 11.0#

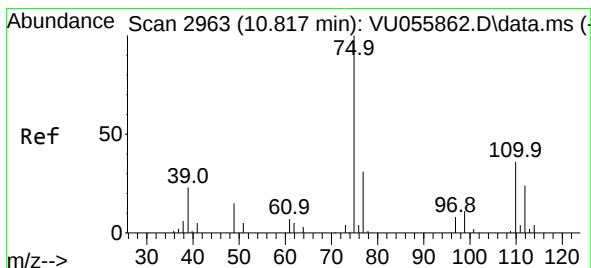
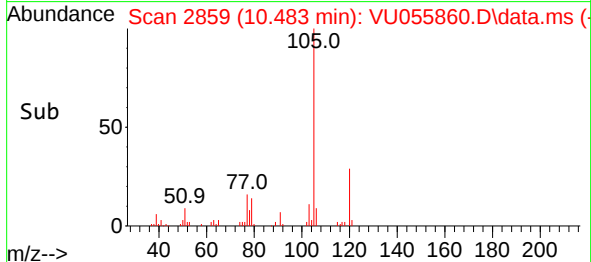
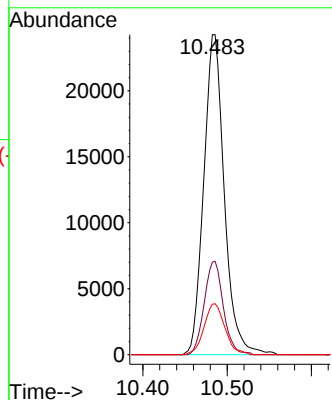
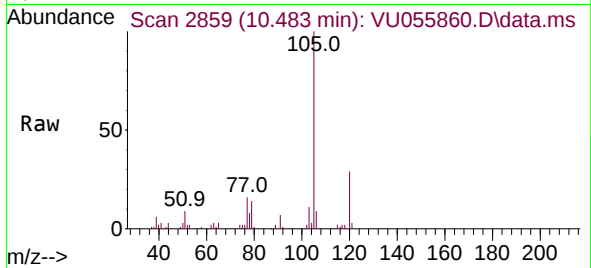




#60
Isopropylbenzene
Concen: 0.420 ug/L
RT: 10.483 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

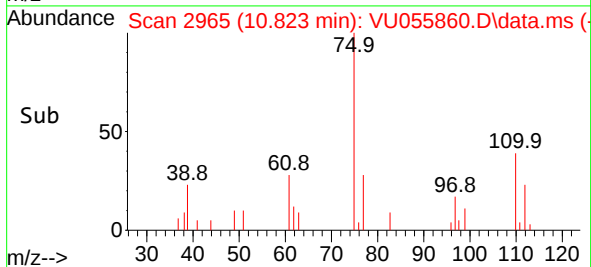
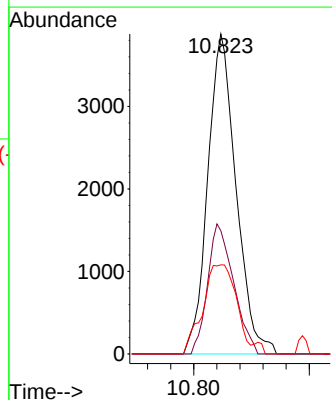
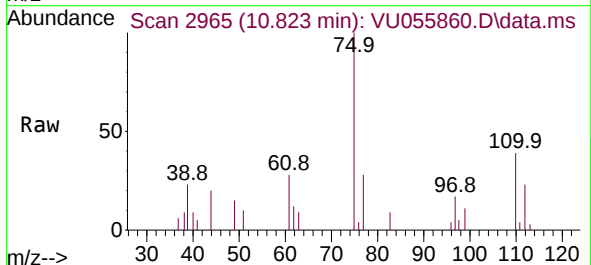
Instrument :
MSVOA_U
ClientSampleId :

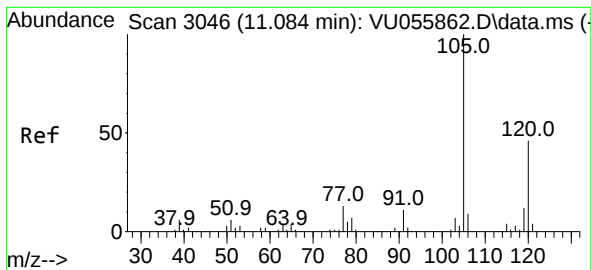
Tgt Ion:105 Resp: 41222
Ion Ratio Lower Upper
105 100
120 27.1 20.2 30.4
77 16.1 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 0.482 ug/L
RT: 10.823 min Scan# 2965
Delta R.T. 0.006 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

Tgt Ion: 75 Resp: 6588
Ion Ratio Lower Upper
75 100
110 37.3 29.0 43.6
77 34.1 24.5 36.7





#62

1,3,5-Trimethylbenzene

Concen: 0.398 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

Instrument :

MSVOA_U

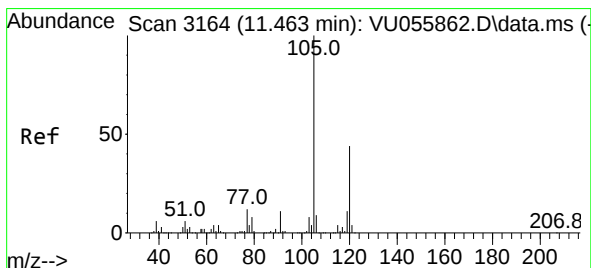
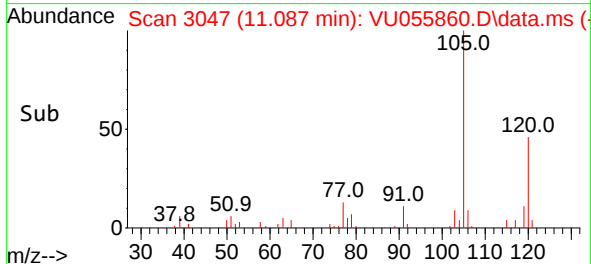
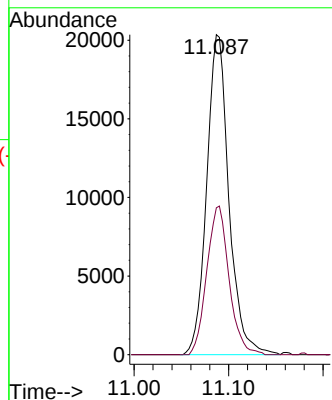
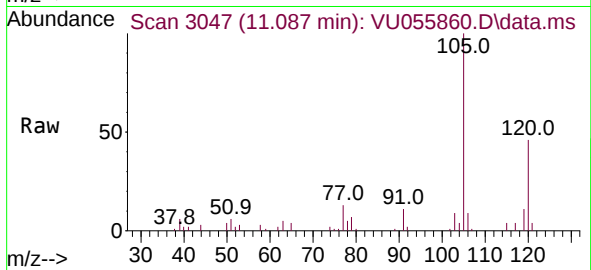
ClientSampleId :

Tgt Ion:105 Resp: 33175

Ion Ratio Lower Upper

105 100

120 46.6 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 0.377 ug/L

RT: 11.470 min Scan# 3166

Delta R.T. 0.006 min

Lab File: VU055860.D

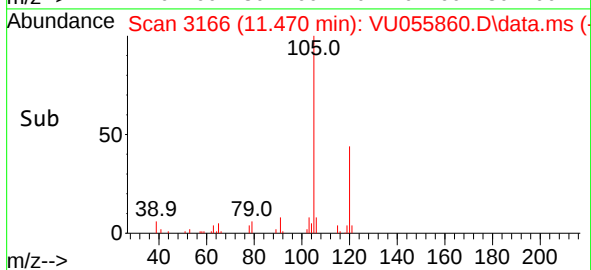
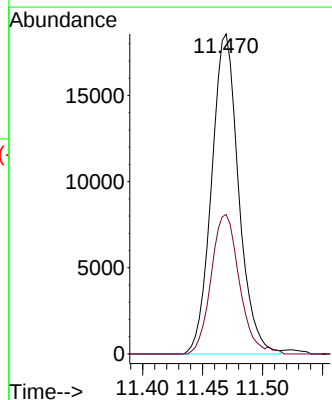
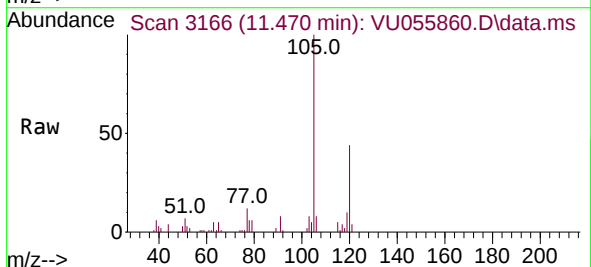
Acq: 24 Oct 2023 09:28

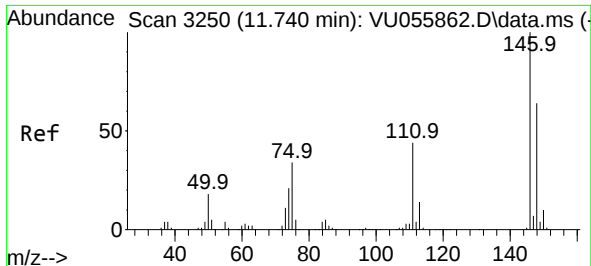
Tgt Ion:105 Resp: 29124

Ion Ratio Lower Upper

105 100

120 45.5 34.6 52.0

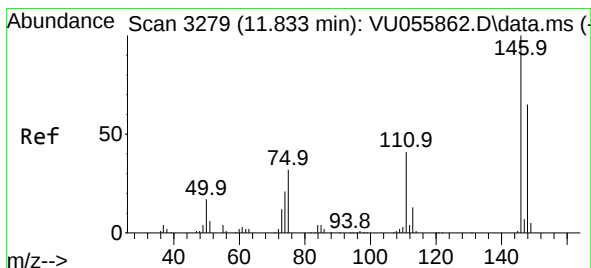
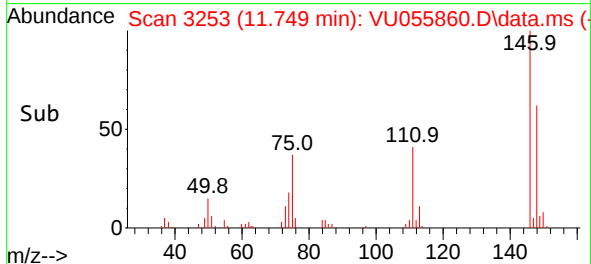
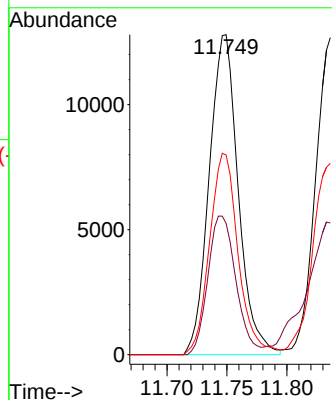
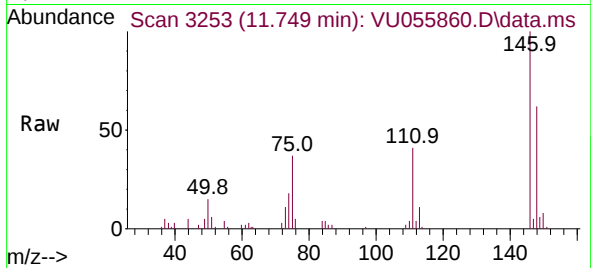




#64
1,3-Dichlorobenzene
Concen: 0.470 ug/L
RT: 11.749 min Scan# 31
Delta R.T. 0.009 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

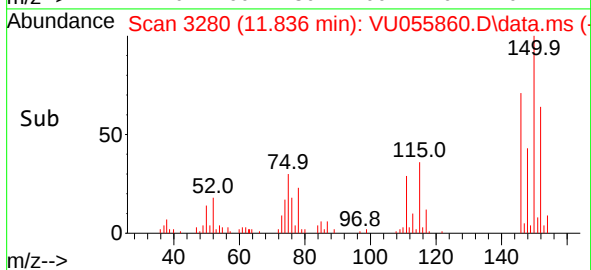
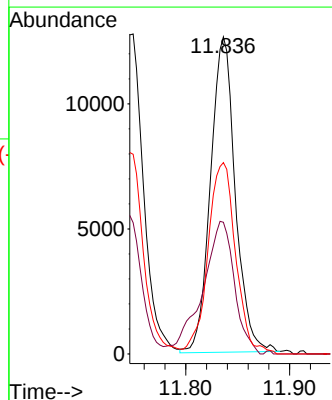
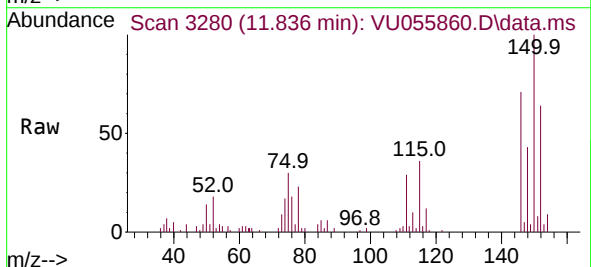
Instrument :
MSVOA_U
ClientSampleId :

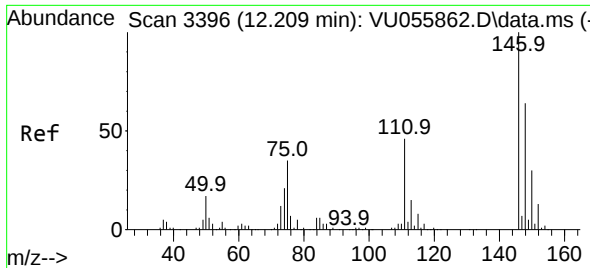
Tgt Ion:146 Resp: 21543
Ion Ratio Lower Upper
146 100
111 41.0 31.1 57.9
148 62.4 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 0.456 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

Tgt Ion:146 Resp: 20913
Ion Ratio Lower Upper
146 100
111 41.5 29.3 54.3
148 60.3 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 0.466 ug/L

RT: 12.212 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

Instrument :

MSVOA_U

ClientSampleId :

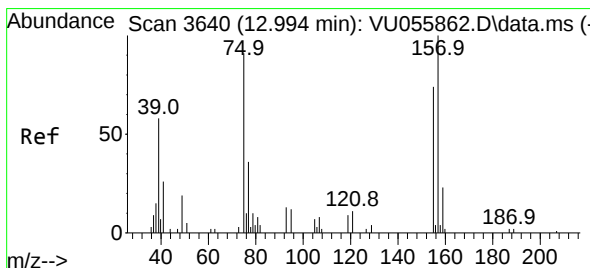
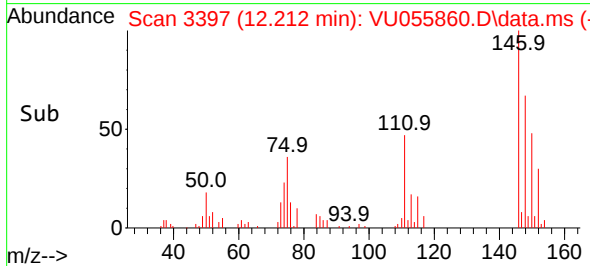
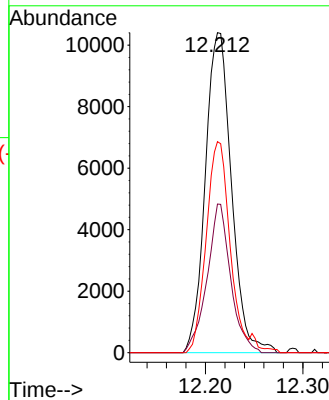
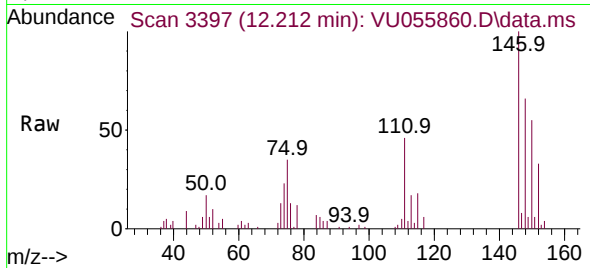
Tgt Ion:146 Resp: 19423

Ion Ratio Lower Upper

146 100

111 46.4 36.7 55.1

148 66.0 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 0.361 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.003 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

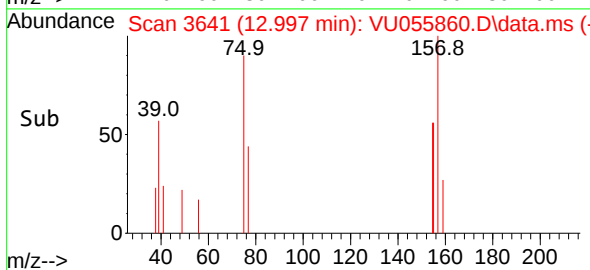
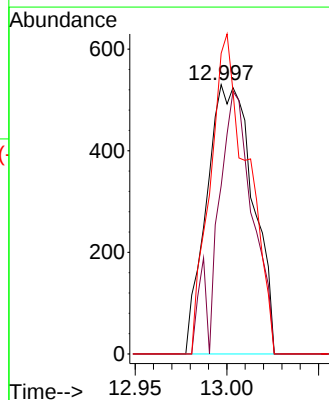
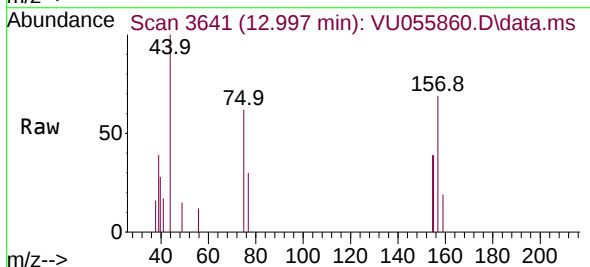
Tgt Ion: 75 Resp: 935

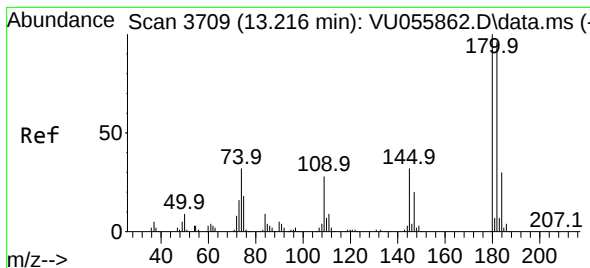
Ion Ratio Lower Upper

75 100

155 62.5 65.3 97.9#

157 111.7 87.9 131.9





#69

1,3,5-Trichlorobenzene

Concen: 0.472 ug/L

RT: 13.222 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 14467

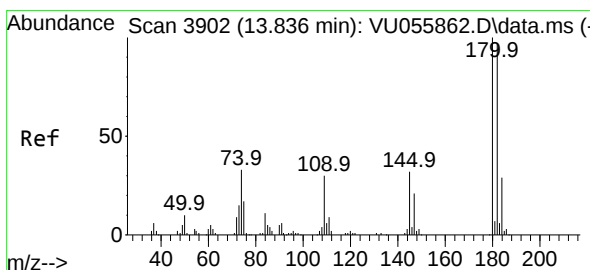
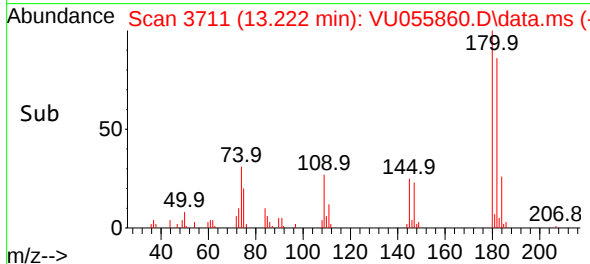
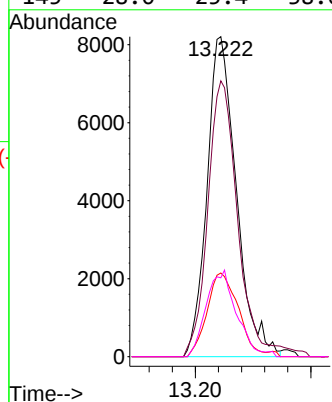
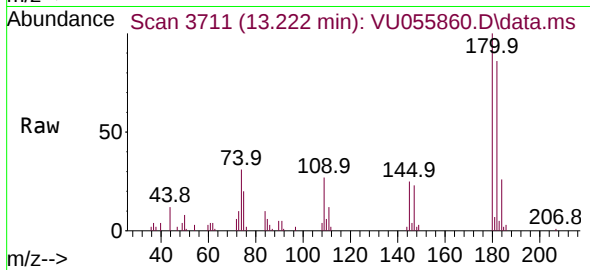
Ion Ratio Lower Upper

180 100

182 88.5 74.7 112.1

184 27.7 23.8 35.8

145 28.0 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 0.403 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.006 min

Lab File: VU055860.D

Acq: 24 Oct 2023 09:28

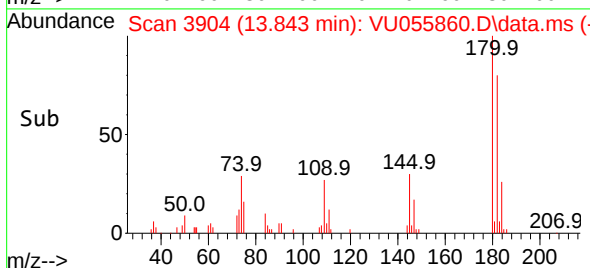
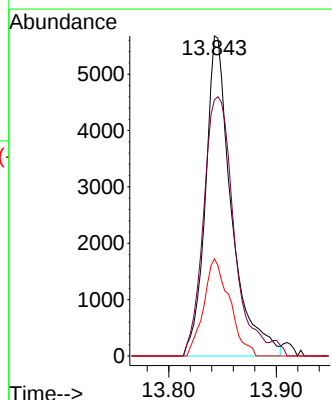
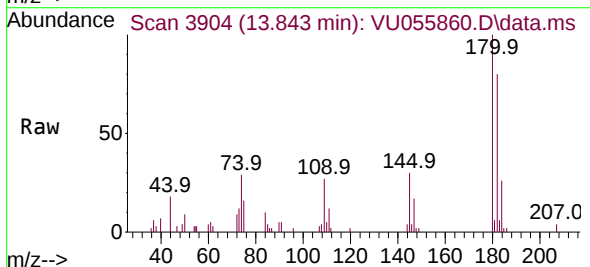
Tgt Ion:180 Resp: 9549

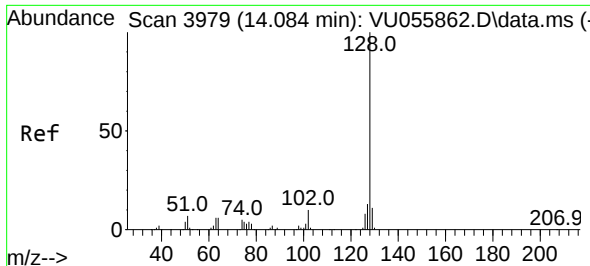
Ion Ratio Lower Upper

180 100

182 94.0 76.1 114.1

145 30.2 26.4 39.6

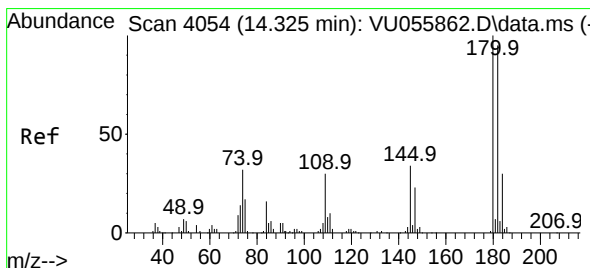
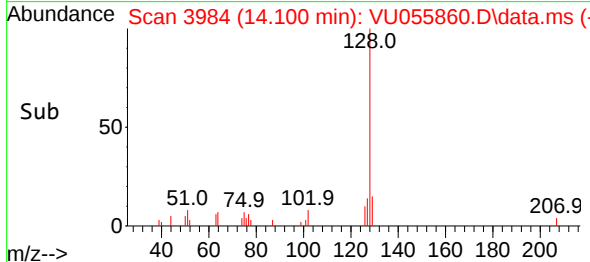
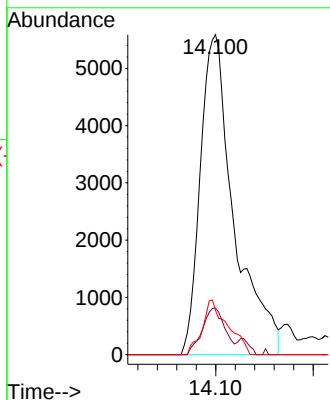
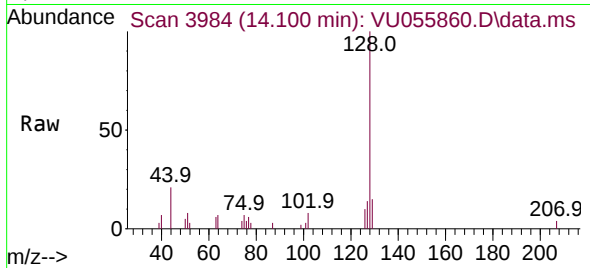




#71
Naphthalene
Concen: 0.377 ug/L
RT: 14.100 min Scan# 3979
Delta R.T. 0.016 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 13427
Ion Ratio Lower Upper
128 100
129 9.9 8.3 12.5
127 12.8 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 0.422 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. 0.006 min
Lab File: VU055860.D
Acq: 24 Oct 2023 09:28

Tgt Ion:180 Resp: 8365
Ion Ratio Lower Upper
180 100
182 95.3 74.6 112.0
145 30.6 27.4 41.2

