

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057284.D
 Acq On : 27 Dec 2023 16:38
 Operator : MD/SY
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 00:17:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 00:16:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	250805	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	250480	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	108685	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	9157	0.390	ug/L	0.00
7) Chloroethane-d5	1.911	69	7517	0.391	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	3762	0.378	ug/L	0.00
20) 2-Butanone-d5	4.660	46	18948	4.763	ug/L	0.03
24) Chloroform-d	5.058	84	16386	0.369	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.702	65	8259	0.384	ug/L	0.00
32) Benzene-d6	5.724	84	28294	0.342	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.689	67	8898	0.371	ug/L	0.00
41) Toluene-d8	7.898	98	23124	0.310	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.184	79	3211	0.321	ug/L	0.00
46) 2-Hexanone-d5	8.634	63	12240	3.405	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	7756	0.440	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	9736	0.431	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	8573	0.383	ug/L	94
3) Chloromethane	1.518	50	11023	0.531	ug/L	99
5) Vinyl chloride	1.602	62	10653	0.491	ug/L	99
6) Bromomethane	1.856	94	4633	0.475	ug/L	83
8) Chloroethane	1.933	64	7330	0.533	ug/L	99
9) Trichlorofluoromethane	2.136	101	14844	0.389	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	8912	0.437	ug/L	95
12) 1,1-Dichloroethene	2.573	96	8364	0.455	ug/L	97
13) Acetone	2.657	43	19792	8.264	ug/L	99
14) Carbon disulfide	2.788	76	25392	0.444	ug/L	98
15) Methyl Acetate	2.968	43	4018	0.719	ug/L #	62
16) Methylene chloride	3.042	84	11888	0.547	ug/L	94
17) Methyl tert-butyl Ether	3.354	73	19269	0.482	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	8278	0.465	ug/L	94
19) 1,1-Dichloroethane	3.862	63	17604	0.492	ug/L	93
21) 2-Butanone	4.727	43	17589	4.778	ug/L	88
22) cis-1,2-Dichloroethene	4.663	96	9476	0.481	ug/L	96
23) Bromochloromethane	4.972	128	4334	0.498	ug/L	82
25) Chloroform	5.084	83	18162	0.455	ug/L	97
27) 1,2-Dichloroethane	5.792	62	11839	0.499	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	16064	0.423	ug/L	99
30) Cyclohexane	5.383	56	10165	0.387	ug/L	94
31) Carbon tetrachloride	5.515	117	12852	0.387	ug/L	97
33) Benzene	5.772	78	35127	0.451	ug/L	100
34) Trichloroethene	6.537	95	9214	0.410	ug/L	92
35) Methylcyclohexane	6.759	83	10245	0.348	ug/L	94
37) 1,2-Dichloropropane	6.788	63	9952	0.504	ug/L #	94
38) Bromodichloromethane	7.100	83	12674	0.451	ug/L	94
39) cis-1,3-Dichloropropene	7.608	75	12329	0.420	ug/L	100
40) 4-Methyl-2-pentanone	7.791	43	43112	4.807	ug/L	95
42) Toluene	7.968	91	44217	0.541	ug/L	93
44) trans-1,3-Dichloropropene	8.209	75	10797	0.431	ug/L	94

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

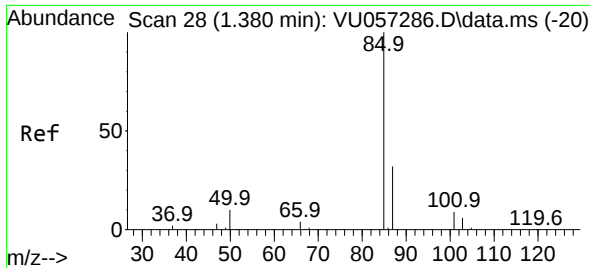
45) 1,1,2-Trichloroethane	8.399	97	7414	0.535	ug/L	94
47) Tetrachloroethene	8.550	164	6696	0.418	ug/L	86
48) 2-Hexanone	8.689	43	29902	4.510	ug/L #	89
49) Dibromochloromethane	8.807	129	8224	0.470	ug/L	91
50) 1,2-Dibromoethane	8.923	107	6044	0.469	ug/L #	89
51) Chlorobenzene	9.444	112	22116	0.414	ug/L	99
52) Ethylbenzene	9.569	91	32864	0.360	ug/L	95
53) m,p-Xylene	9.692	106	13442	0.402	ug/L	99
54) o-Xylene	10.097	106	11773	0.364	ug/L	85
55) Styrene	10.116	104	17426	0.326	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.778	83	8286	0.494	ug/L	93
59) Bromoform	10.290	173	4396	0.527	ug/L	92
60) Isopropylbenzene	10.479	105	30042	0.390	ug/L	98
61) 1,2,3-Trichloropropane	10.820	75	5849	0.562	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	22287	0.354	ug/L	95
63) 1,2,4-Trimethylbenzene	11.463	105	22139	0.357	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	15101	0.411	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	16687	0.451	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	14994	0.452	ug/L	95
68) 1,2-Dibromo-3-chloropr...	13.000	75	1247	0.538	ug/L	89
69) 1,3,5-Trichlorobenzene	13.216	180	11277	0.416	ug/L	96
70) 1,2,4-trichlorobenzene	13.843	180	8040	0.376	ug/L	96
71) Naphthalene	14.090	128	11030	0.395	ug/L	96
72) 1,2,3-Trichlorobenzene	14.328	180	6805	0.399	ug/L	96

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

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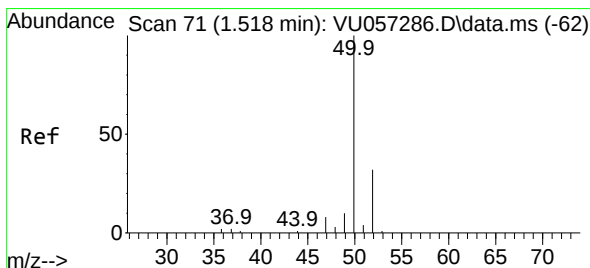
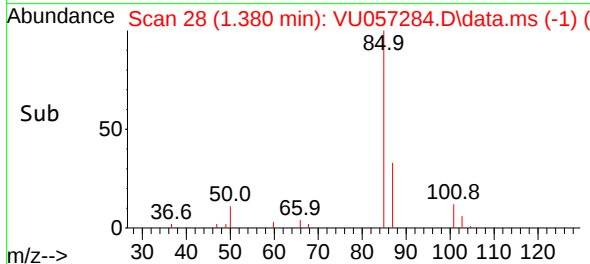
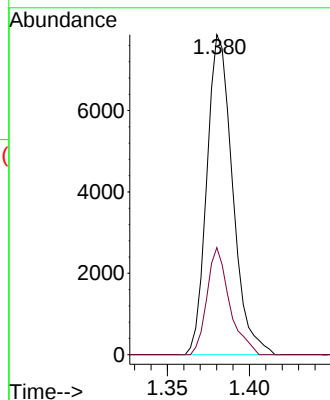
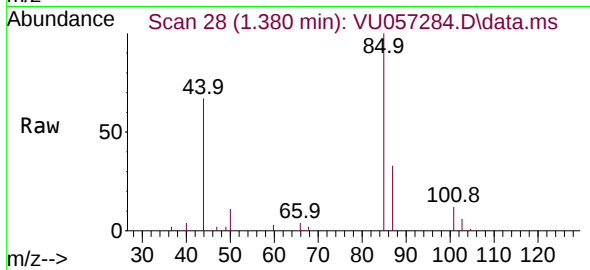




#2
 Dichlorodifluoromethane
 Concen: 0.383 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU057284.D
 Acq: 27 Dec 2023 16:38

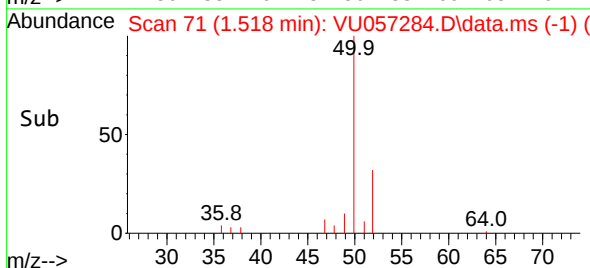
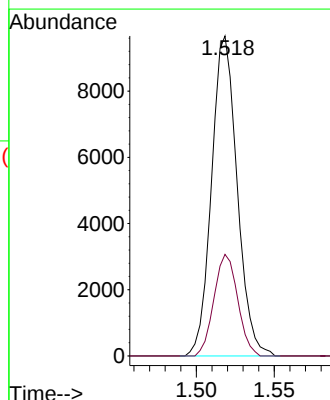
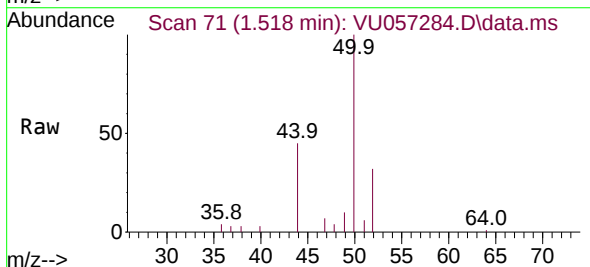
Instrument :
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 ClientSampleId :

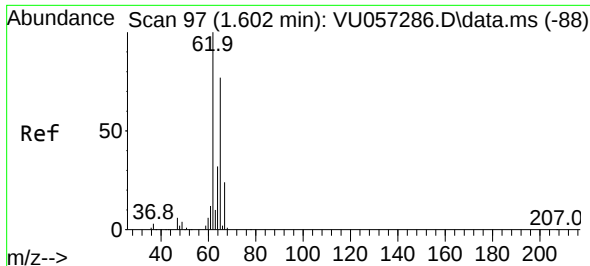
Tgt Ion: 85 Resp: 8573
 Ion Ratio Lower Upper
 85 100
 87 29.3 25.9 38.9



#3
 Chloromethane
 Concen: 0.531 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU057284.D
 Acq: 27 Dec 2023 16:38

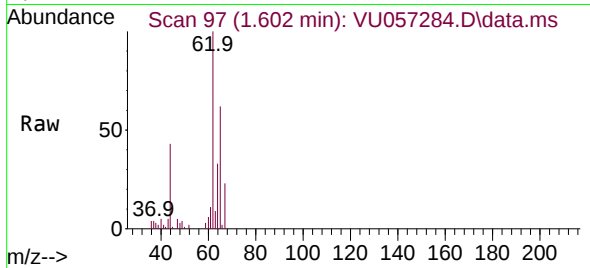
Tgt Ion: 50 Resp: 11023
 Ion Ratio Lower Upper
 50 100
 52 31.7 22.5 41.7





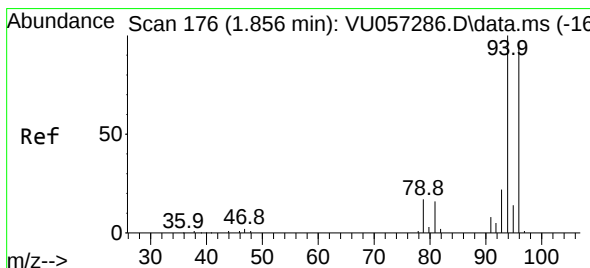
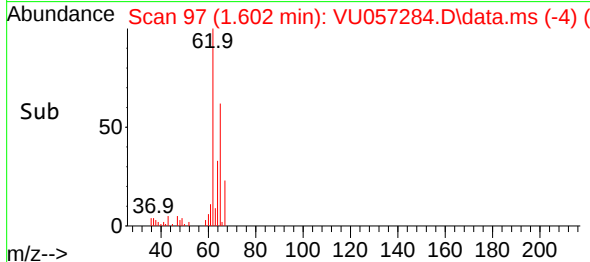
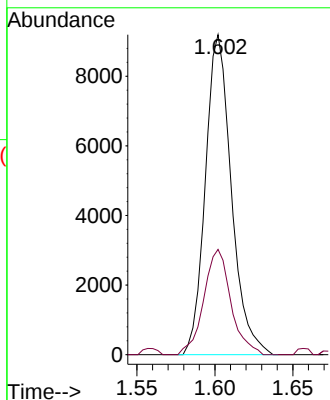
#5
 Vinyl chloride
 Concen: 0.491 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057284.D
 Acq: 27 Dec 2023 16:38

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 62 Resp: 10653

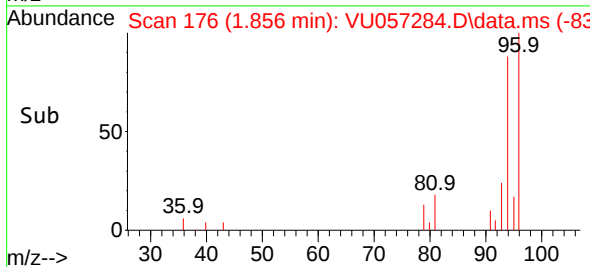
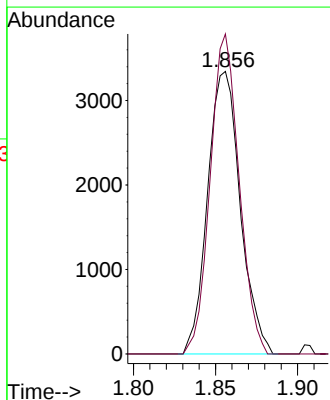
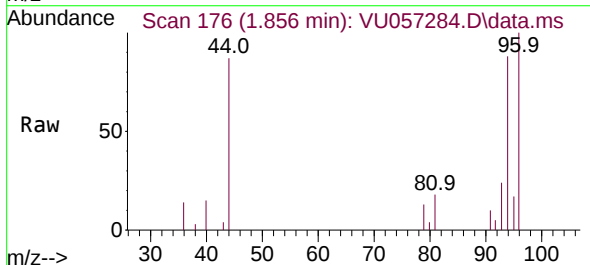
Ion	Ratio	Lower	Upper
62	100		
64	32.9	22.8	42.4

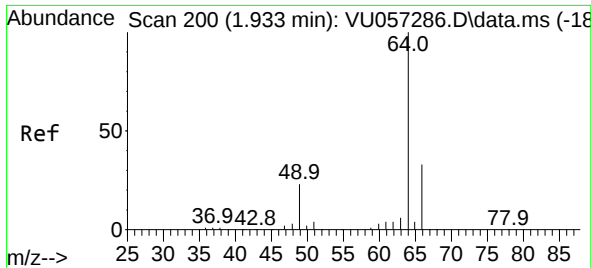


#6
 Bromomethane
 Concen: 0.475 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU057284.D
 Acq: 27 Dec 2023 16:38

Tgt Ion: 94 Resp: 4633

Ion	Ratio	Lower	Upper
94	100		
96	113.3	67.3	125.1

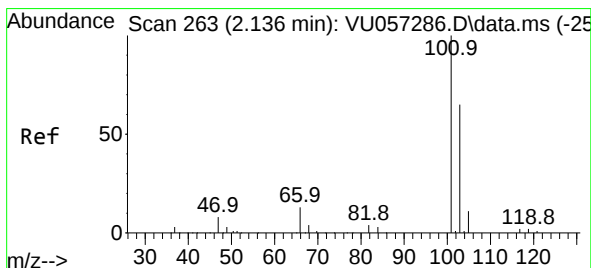
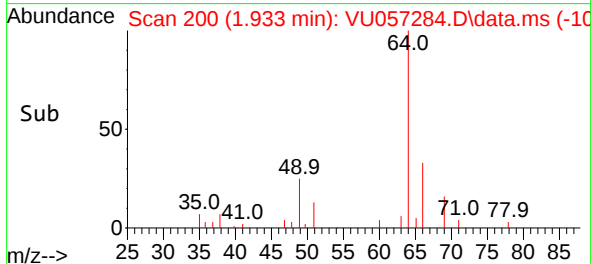
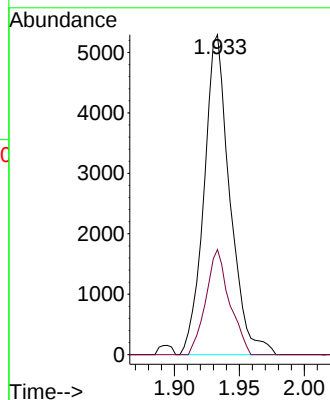
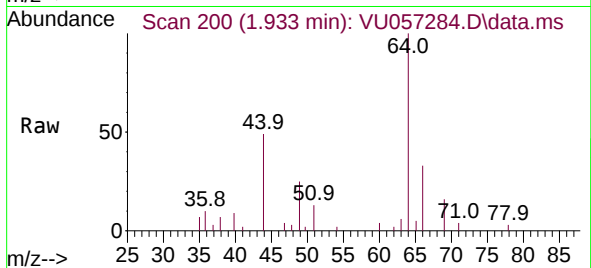




#8
Chloroethane
Concen: 0.533 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

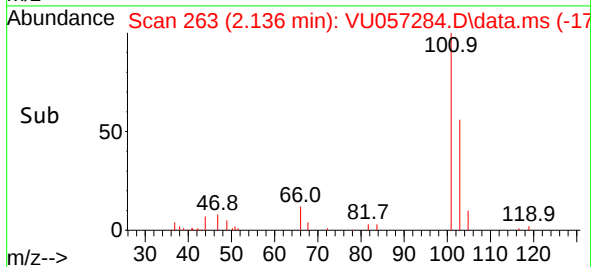
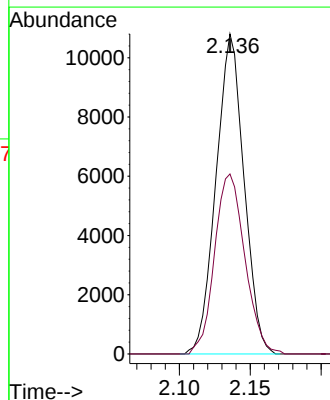
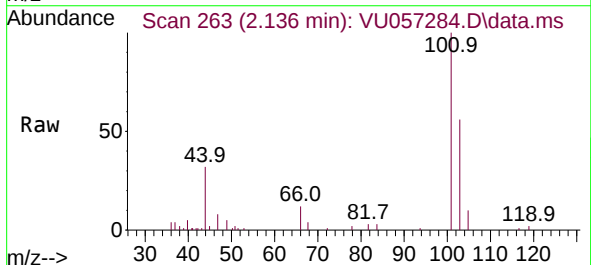
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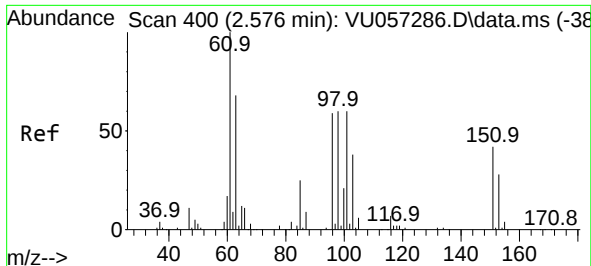
Tgt Ion: 64 Resp: 7330
Ion Ratio Lower Upper
64 100
66 32.8 23.3 43.3



#9
Trichlorofluoromethane
Concen: 0.389 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

Tgt Ion:101 Resp: 14844
Ion Ratio Lower Upper
101 100
103 60.9 52.2 78.2

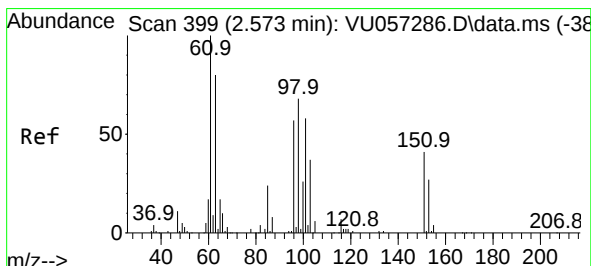
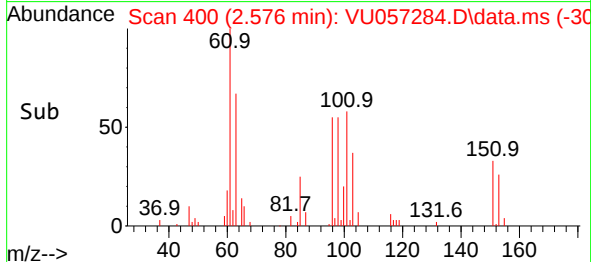
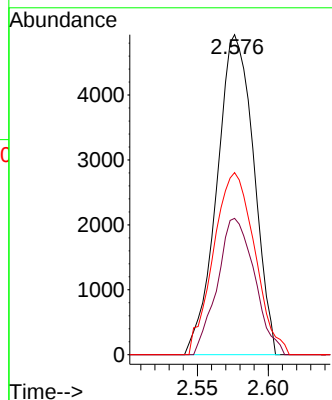
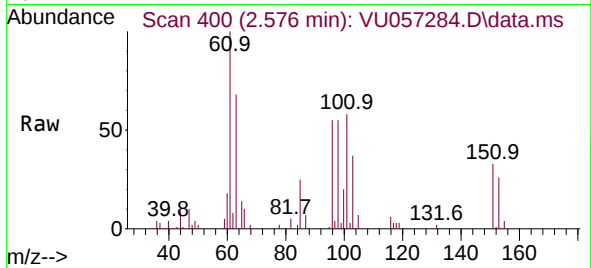




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.437 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU057284.D
 Acq: 27 Dec 2023 16:38

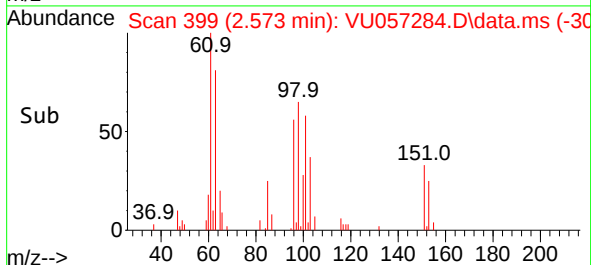
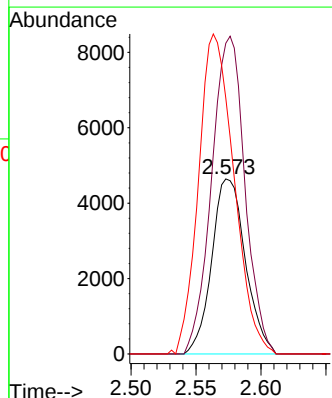
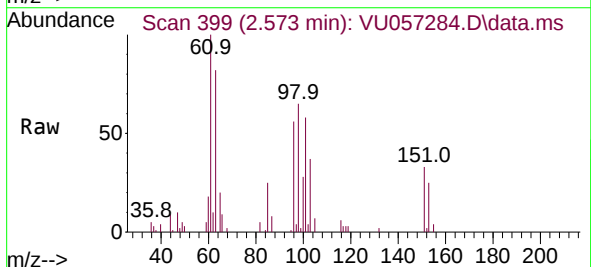
Instrument :
 MSVOA_U
 ClientSampleId :

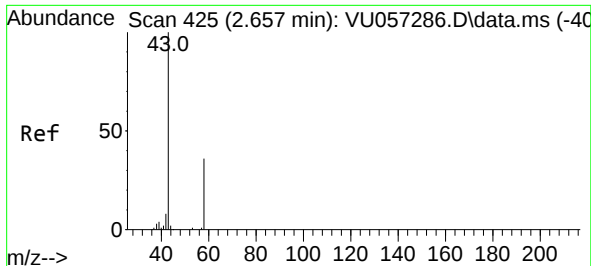
Tgt Ion:101 Resp: 8912
 Ion Ratio Lower Upper
 101 100
 85 43.0 35.1 52.7
 151 63.6 55.8 83.6



#12
 1,1-Dichloroethene
 Concen: 0.455 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU057284.D
 Acq: 27 Dec 2023 16:38

Tgt Ion: 96 Resp: 8364
 Ion Ratio Lower Upper
 96 100
 61 177.5 122.2 226.9
 63 146.1 99.2 184.2





#13

Acetone

Concen: 8.264 ug/L

RT: 2.657 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

Instrument :

MSVOA_U

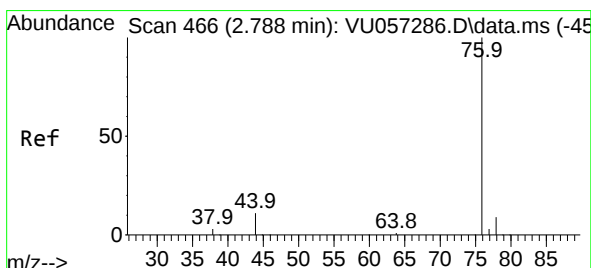
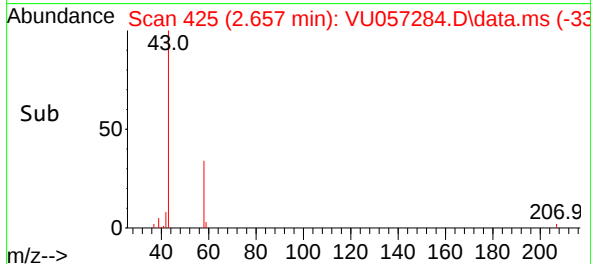
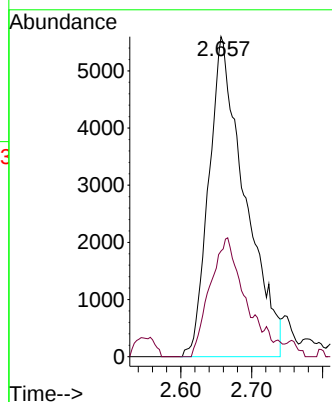
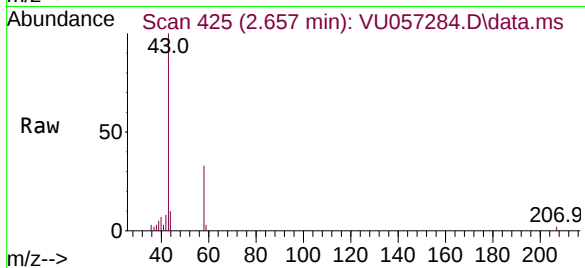
ClientSampleId :

Tgt Ion: 43 Resp: 19792

Ion Ratio Lower Upper

43 100

58 34.4 0.0 67.2



#14

Carbon disulfide

Concen: 0.444 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU057284.D

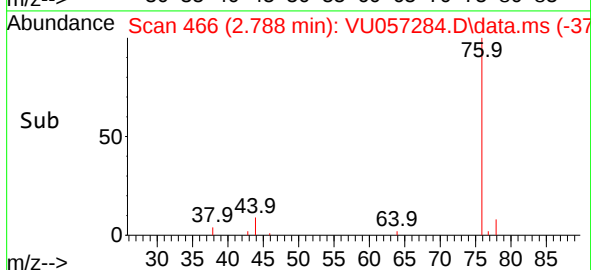
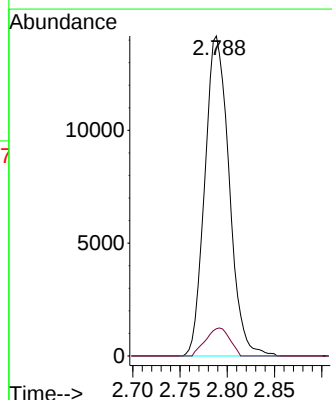
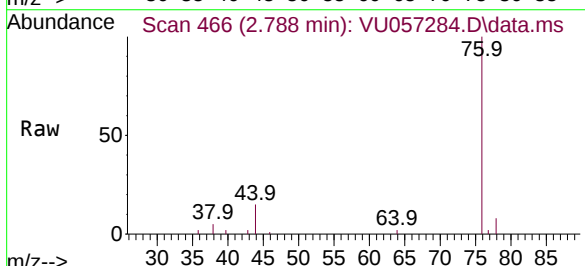
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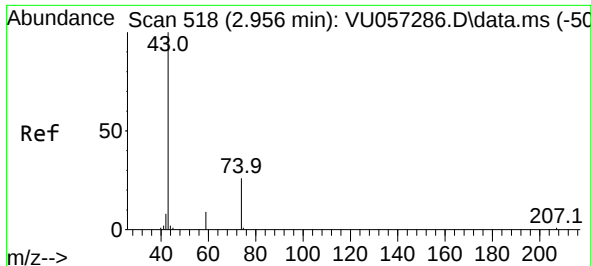
Tgt Ion: 76 Resp: 25392

Ion Ratio Lower Upper

76 100

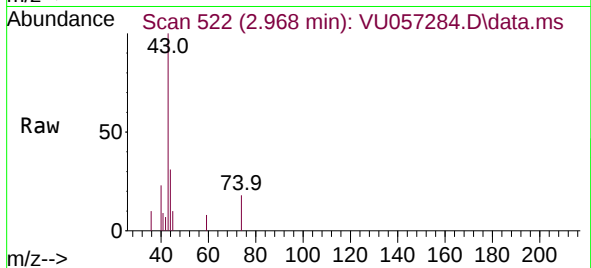
78 8.5 7.3 10.9



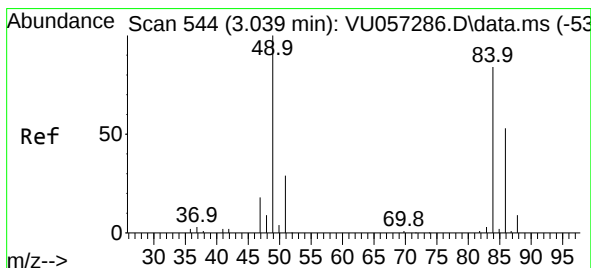
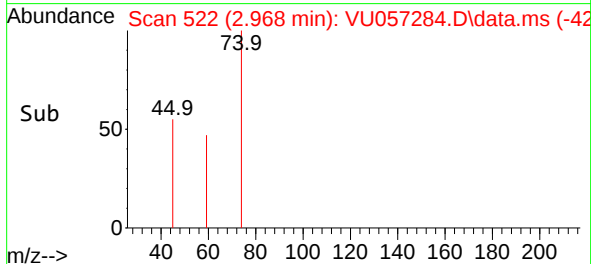
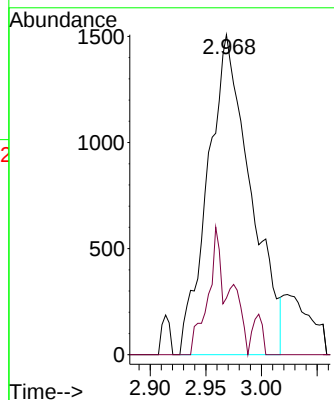


#15
Methyl Acetate
Concen: 0.719 ug/L
RT: 2.968 min Scan# 518
Delta R.T. 0.013 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

Instrument :
MSVOA_U
ClientSampleId :

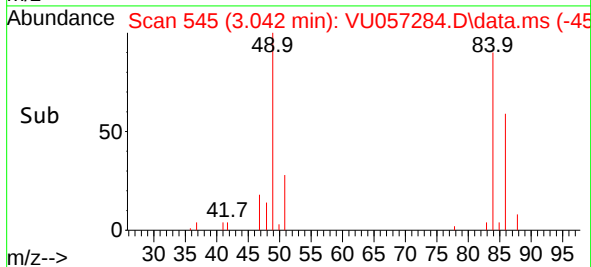
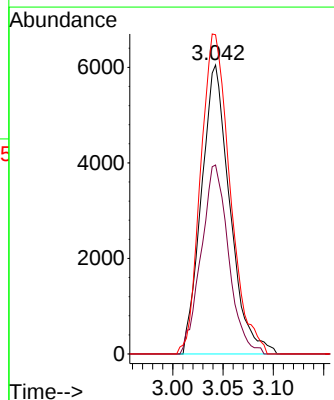
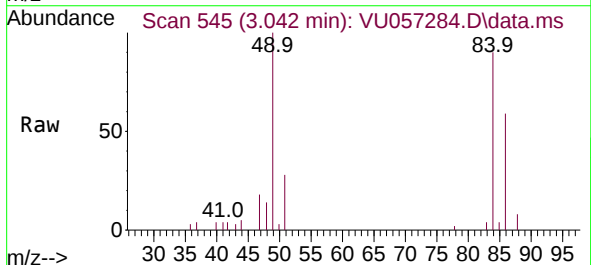


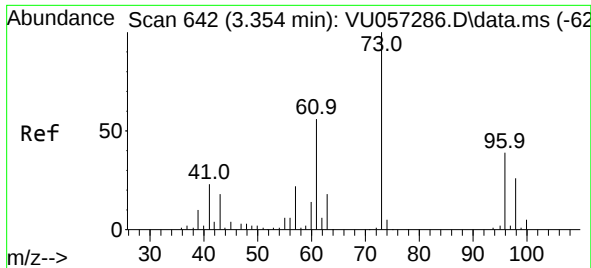
Tgt Ion: 43 Resp: 4018
Ion Ratio Lower Upper
43 100
74 6.2 20.5 30.7#



#16
Methylene chloride
Concen: 0.547 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

Tgt Ion: 84 Resp: 11888
Ion Ratio Lower Upper
84 100
86 65.4 43.8 81.3
49 110.5 83.2 154.4

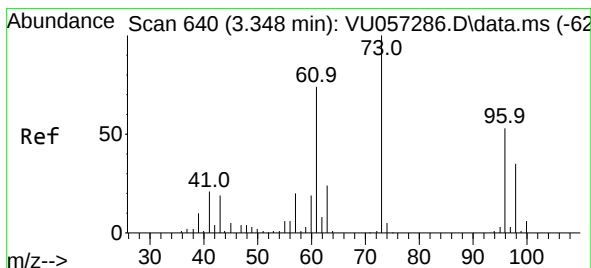
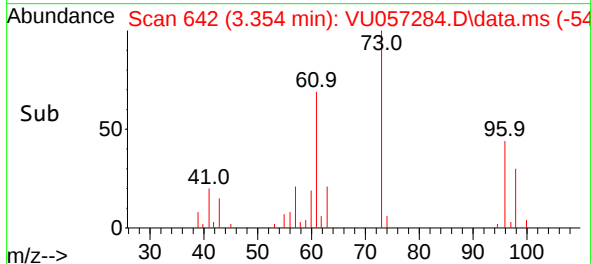
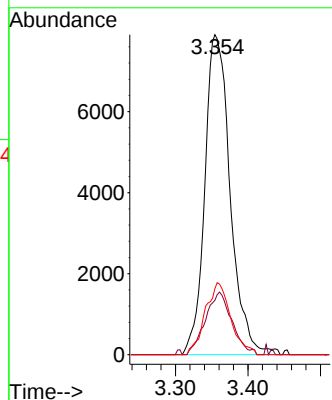
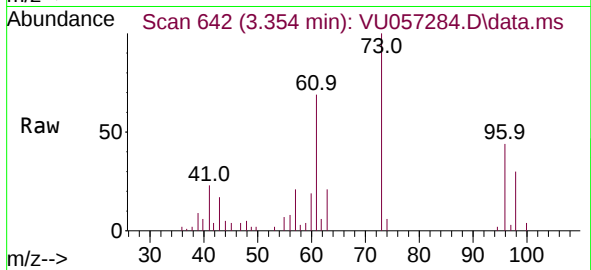




#17
Methyl tert-butyl Ether
Concen: 0.482 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

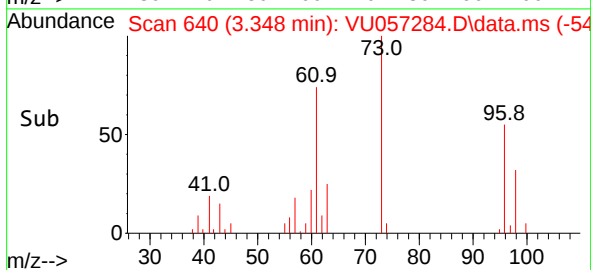
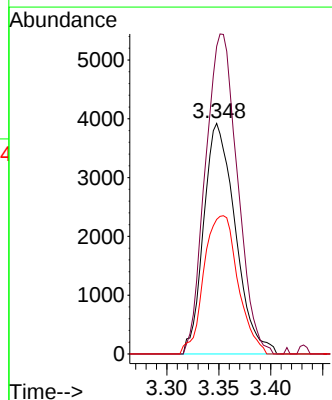
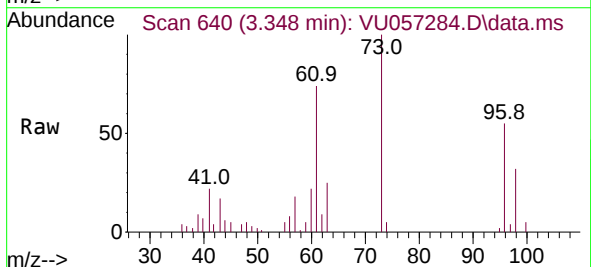
Instrument :
MSVOA_U
ClientSampleId :

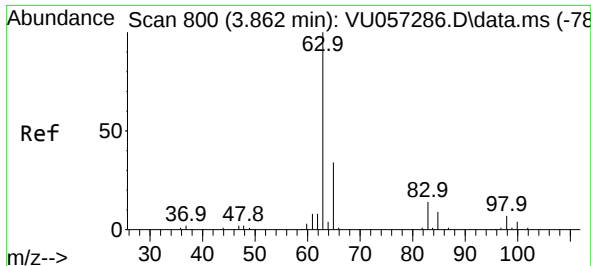
Tgt Ion: 73	Resp: 19269
Ion Ratio	Lower Upper
73 100	
43 20.4	15.2 22.8
57 22.6	17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 0.465 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

Tgt Ion: 96	Resp: 8278
Ion Ratio	Lower Upper
96 100	
61 133.4	97.5 181.1
98 58.3	45.9 85.3





#19

1,1-Dichloroethane

Concen: 0.492 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU057284.D

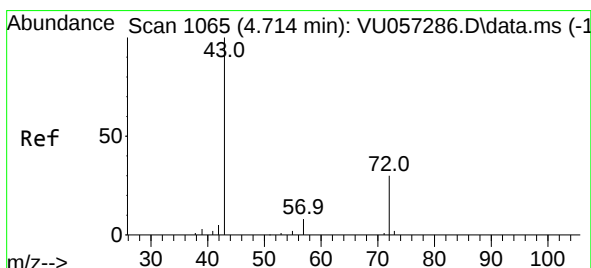
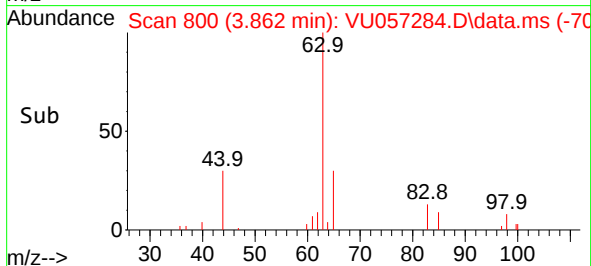
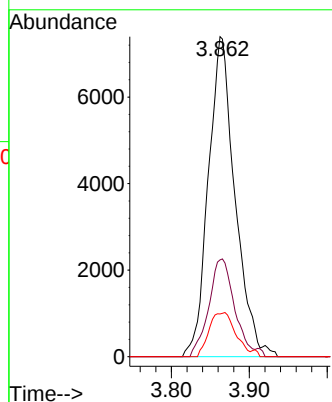
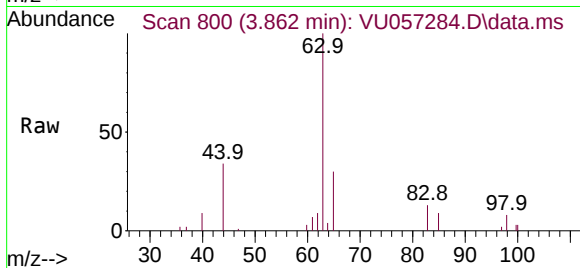
Acq: 27 Dec 2023 16:38

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	17604
Ion	Ratio	Lower	Upper
63	100		
65	29.1	23.6	43.8
83	12.8	9.8	18.2



#21

2-Butanone

Concen: 4.778 ug/L

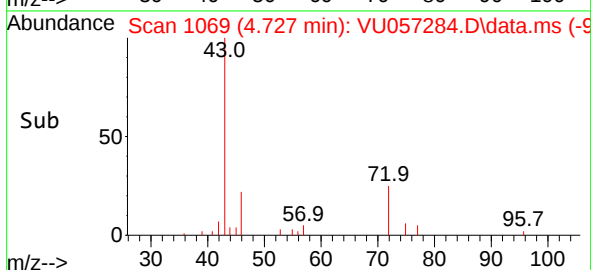
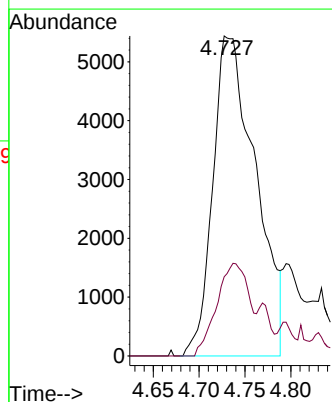
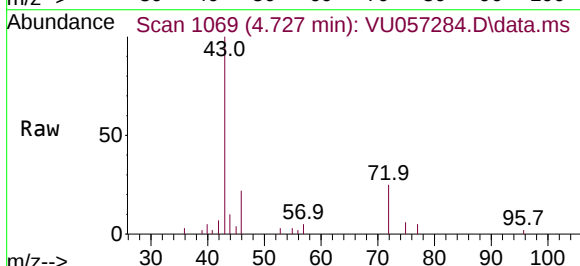
RT: 4.727 min Scan# 1069

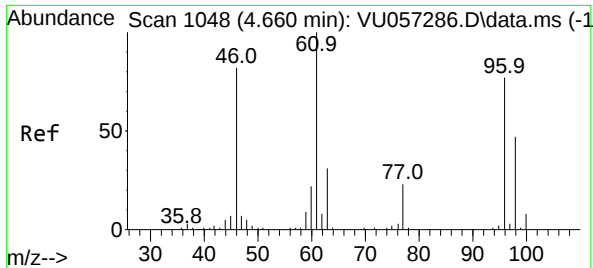
Delta R.T. 0.013 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

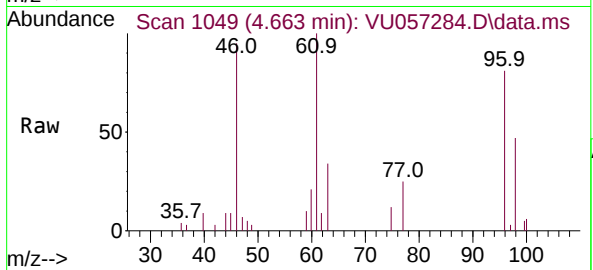
Tgt Ion:	43	Resp:	17589
Ion	Ratio	Lower	Upper
43	100		
72	22.1	14.3	42.9



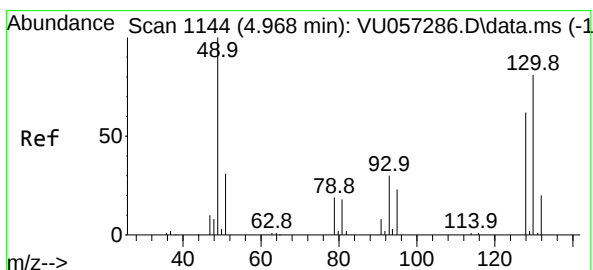
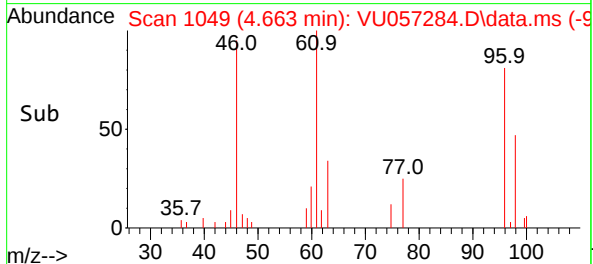
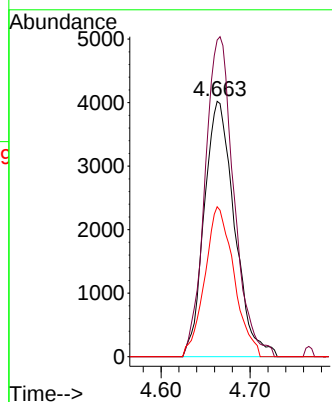


#22
 cis-1,2-Dichloroethene
 Concen: 0.481 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.003 min
 Lab File: VU057284.D
 Acq: 27 Dec 2023 16:38

Instrument :
 MSVOA_U
 ClientSampleId :

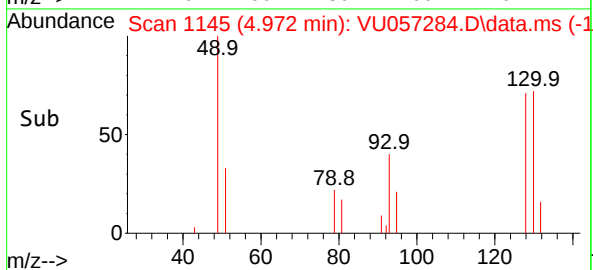
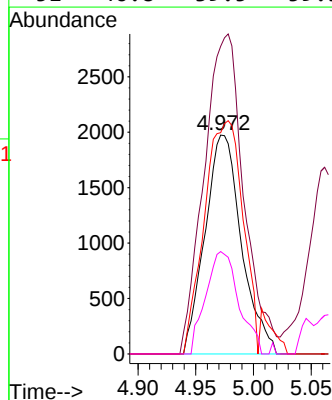
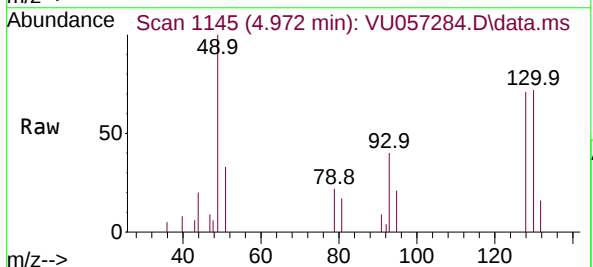


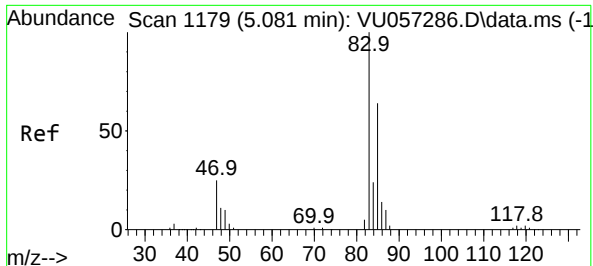
Tgt Ion:	96	Resp:	9476
Ion	Ratio	Lower	Upper
96	100		
61	124.0	91.1	169.3
98	58.7	42.6	79.0



#23
 Bromochloromethane
 Concen: 0.498 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.003 min
 Lab File: VU057284.D
 Acq: 27 Dec 2023 16:38

Tgt Ion:	128	Resp:	4334
Ion	Ratio	Lower	Upper
128	100		
49	140.6	113.1	210.1
130	101.1	91.6	170.2
51	46.8	39.5	59.3





#25

Chloroform

Concen: 0.455 ug/L

RT: 5.084 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

Instrument :

MSVOA_U

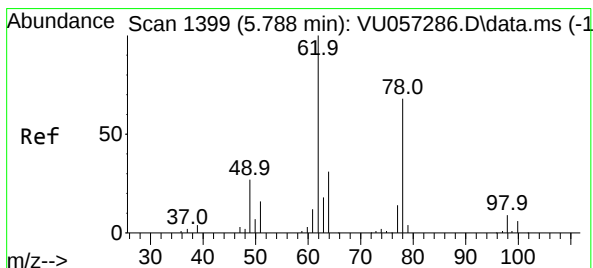
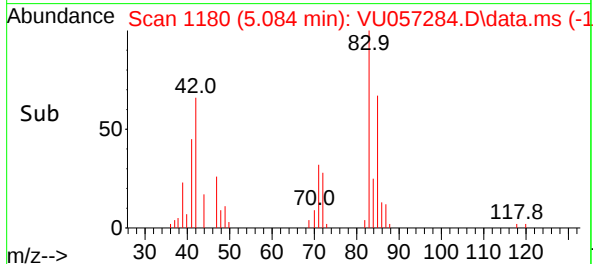
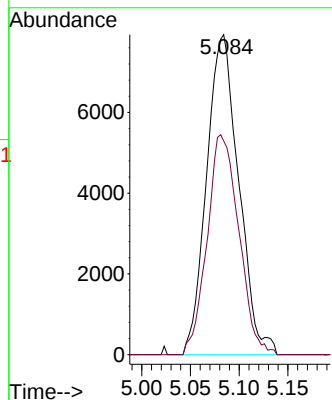
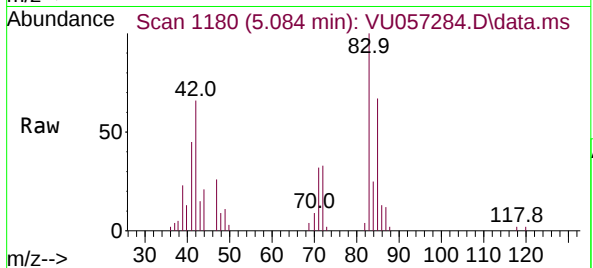
ClientSampleId :

Tgt Ion: 83 Resp: 18162

Ion Ratio Lower Upper

83 100

85 66.7 45.1 83.7



#27

1,2-Dichloroethane

Concen: 0.499 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU057284.D

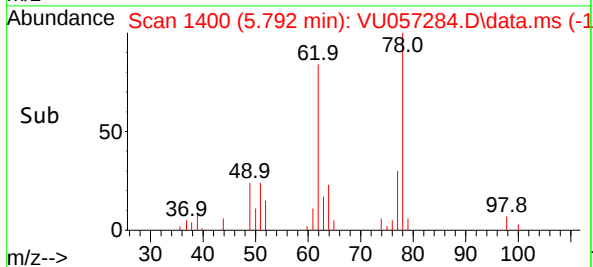
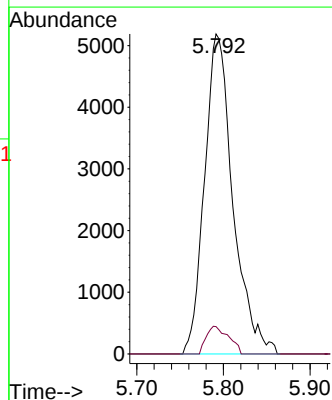
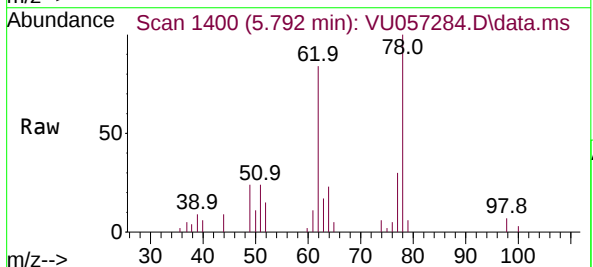
Acq: 27 Dec 2023 16:38

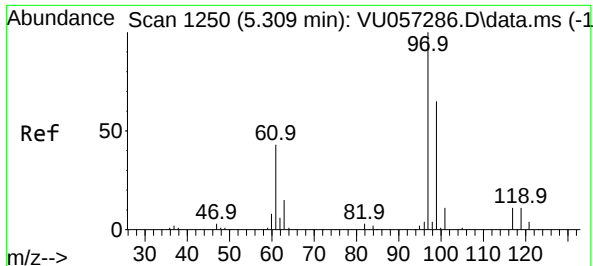
Tgt Ion: 62 Resp: 11839

Ion Ratio Lower Upper

62 100

98 8.6 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 0.423 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

Instrument :

MSVOA_U

ClientSampleId :

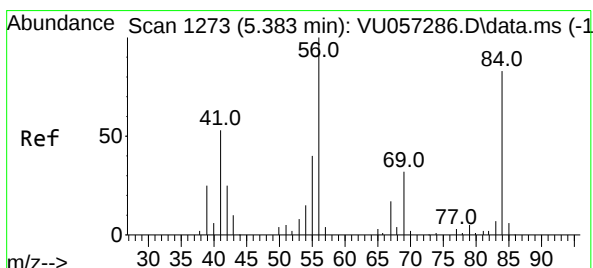
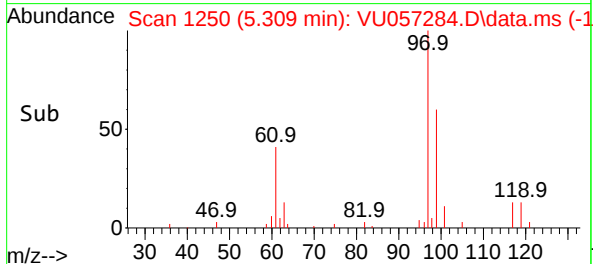
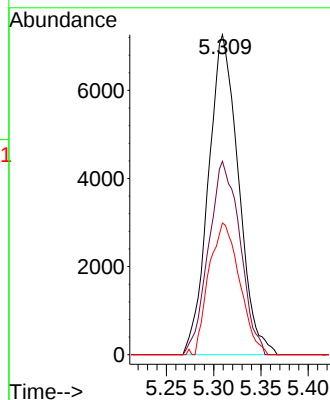
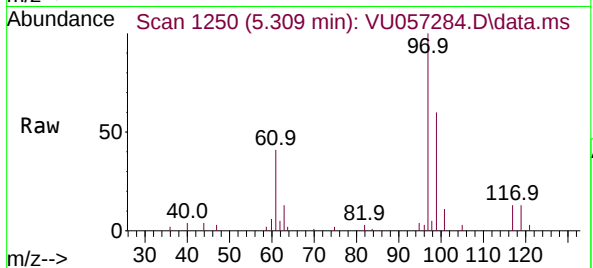
Tgt Ion: 97 Resp: 16064

Ion Ratio Lower Upper

97 100

99 63.2 51.7 77.5

61 42.0 34.1 51.1



#30

Cyclohexane

Concen: 0.387 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

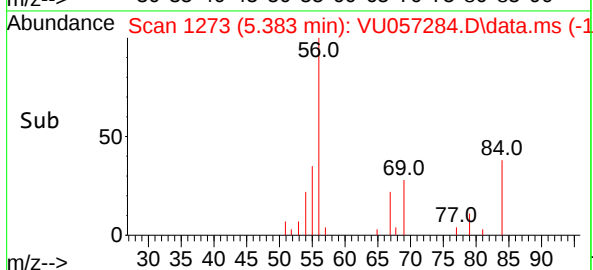
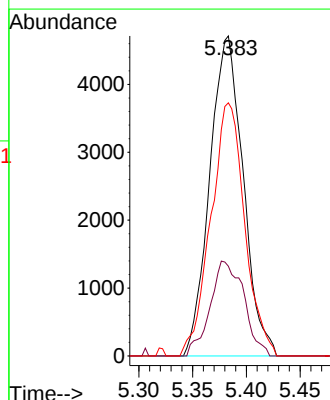
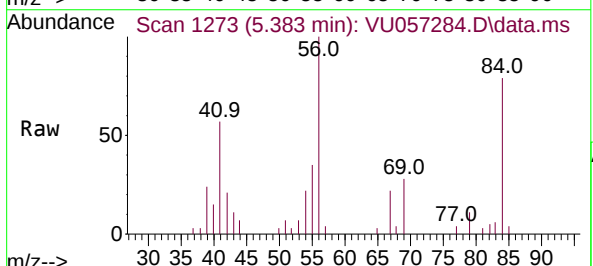
Tgt Ion: 56 Resp: 10165

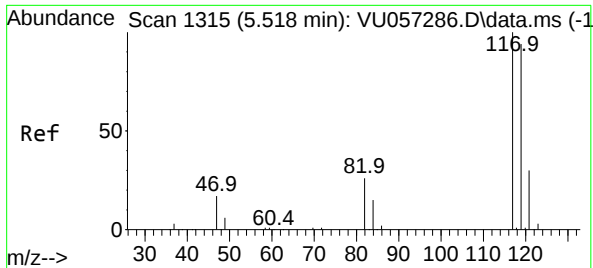
Ion Ratio Lower Upper

56 100

69 30.0 26.2 39.4

84 80.4 69.4 104.2

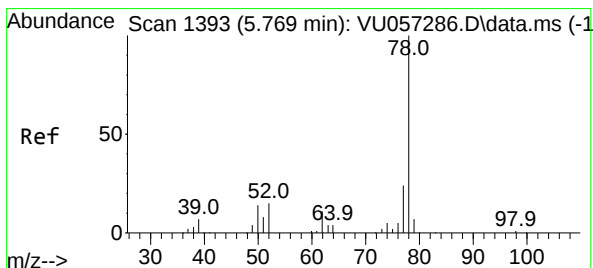
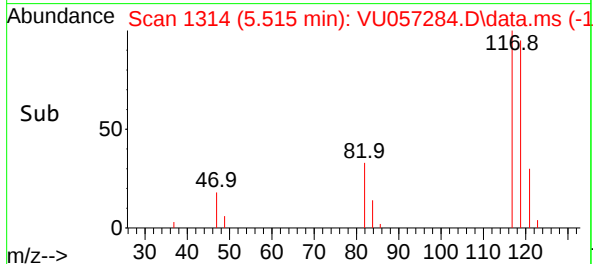
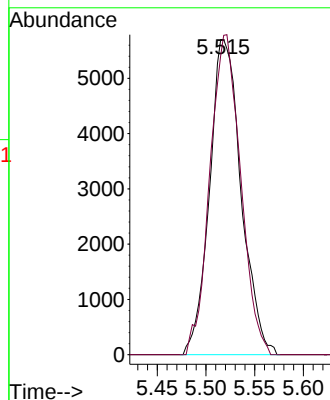
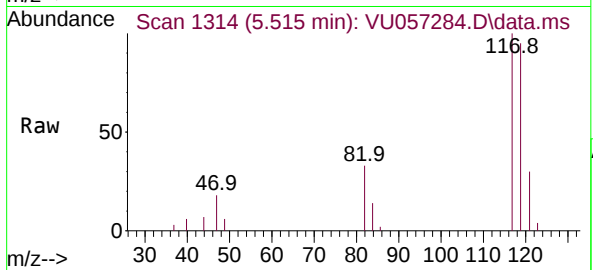




#31
Carbon tetrachloride
Concen: 0.387 ug/L
RT: 5.515 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

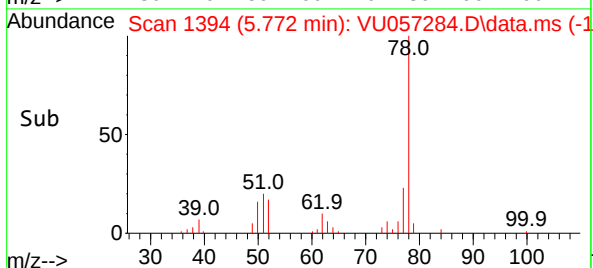
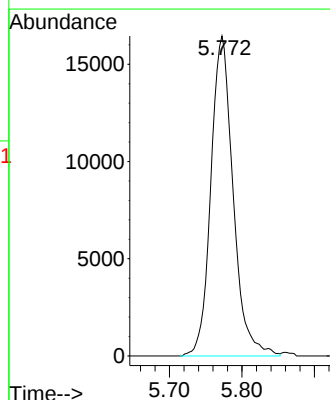
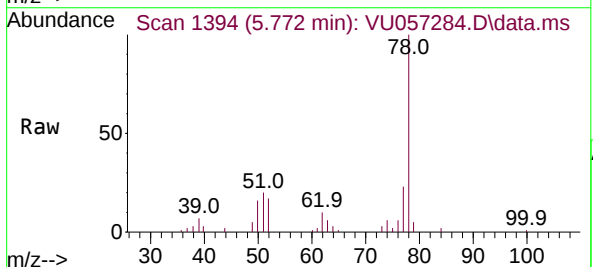
Instrument :
MSVOA_U
ClientSampleId :

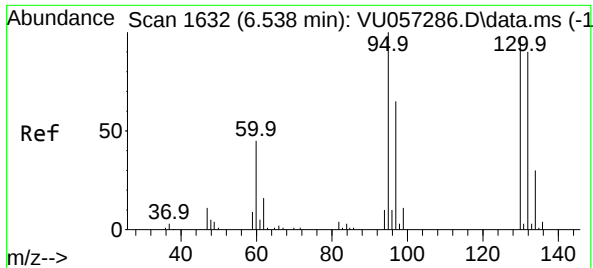
Tgt Ion:117 Resp: 12852
Ion Ratio Lower Upper
117 100
119 98.6 76.7 115.1



#33
Benzene
Concen: 0.451 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

Tgt Ion: 78 Resp: 35127



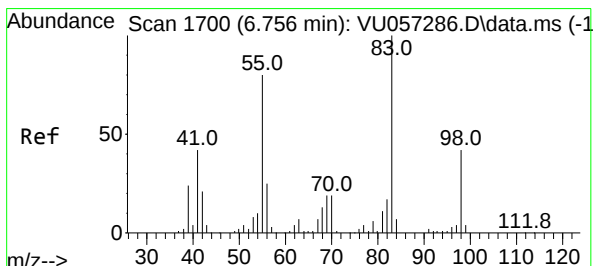
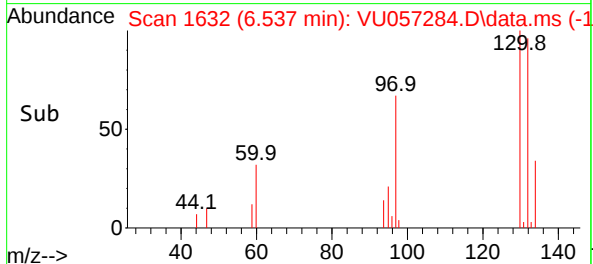
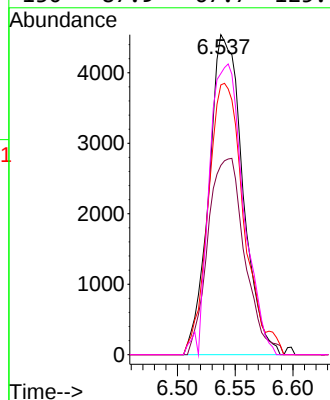
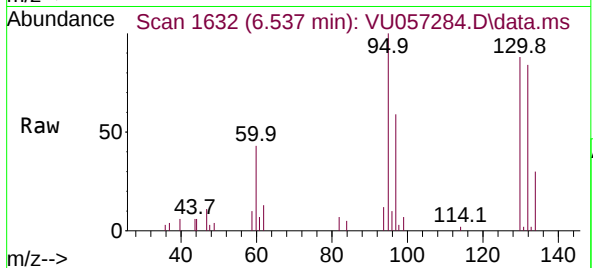


#34
Trichloroethene
Concen: 0.410 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 9214

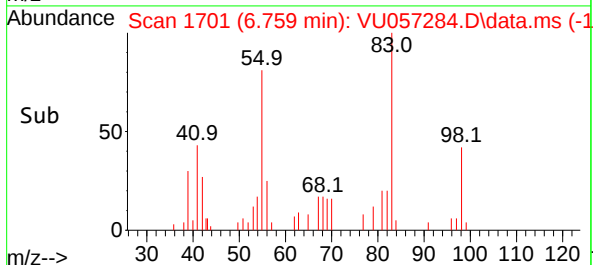
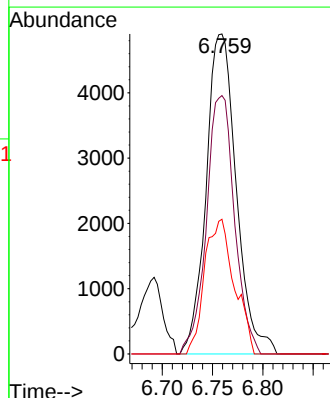
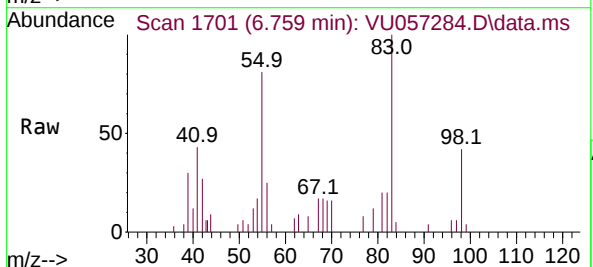
Ion	Ratio	Lower	Upper
95	100		
97	59.1	45.3	84.1
132	84.3	63.1	117.3
130	87.9	67.7	125.7

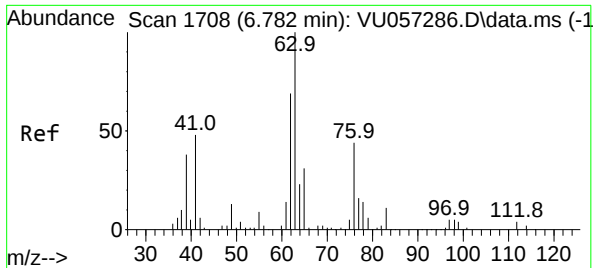


#35
Methylcyclohexane
Concen: 0.348 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.003 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

Tgt Ion: 83 Resp: 10245

Ion	Ratio	Lower	Upper
83	100		
55	75.2	65.4	98.2
98	41.3	35.3	52.9





#37

1,2-Dichloropropane

Concen: 0.504 ug/L

RT: 6.788 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

Instrument :

MSVOA_U

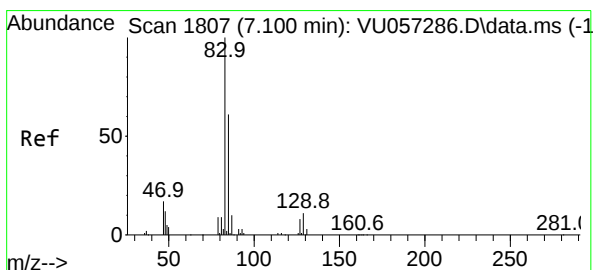
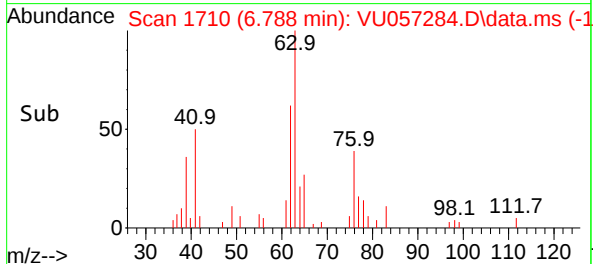
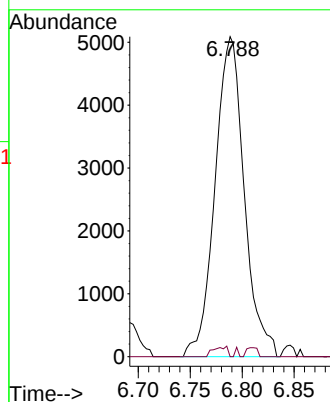
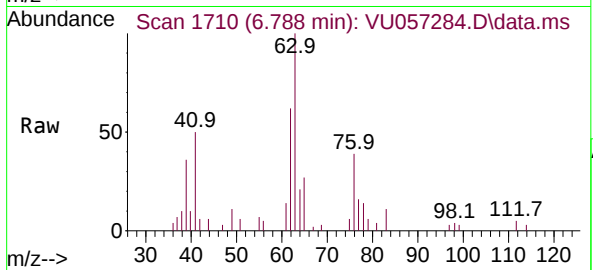
ClientSampleId :

Tgt Ion: 63 Resp: 9952

Ion Ratio Lower Upper

63 100

112 1.5 2.9 4.3#



#38

Bromodichloromethane

Concen: 0.451 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

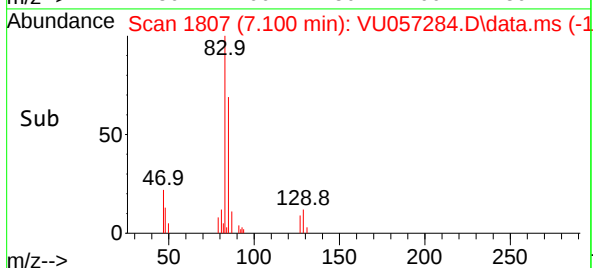
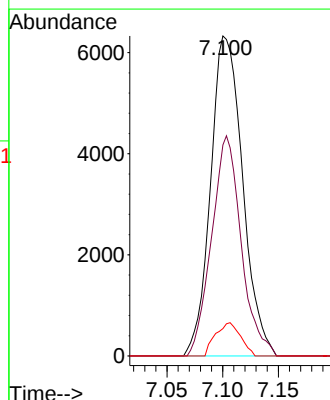
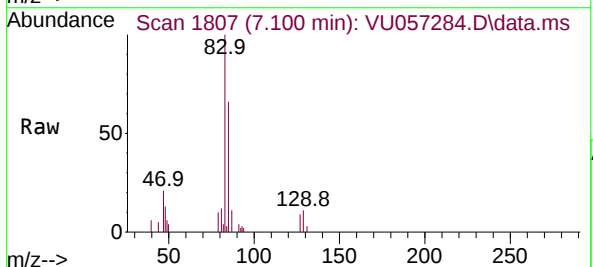
Tgt Ion: 83 Resp: 12674

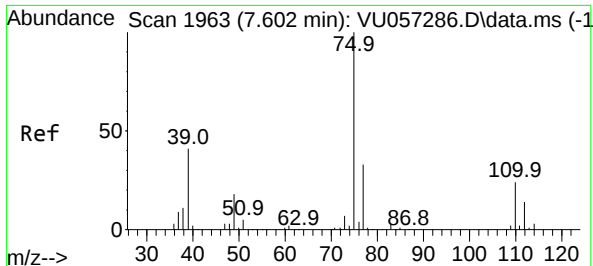
Ion Ratio Lower Upper

83 100

85 66.0 42.6 79.0

127 8.5 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 0.420 ug/L

RT: 7.608 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

Instrument :

MSVOA_U

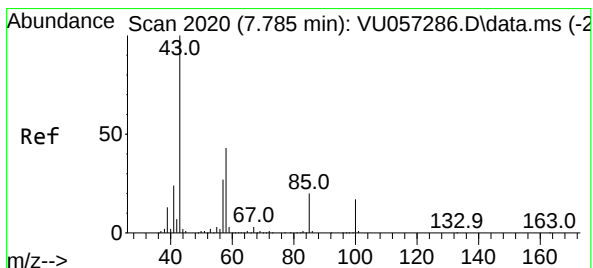
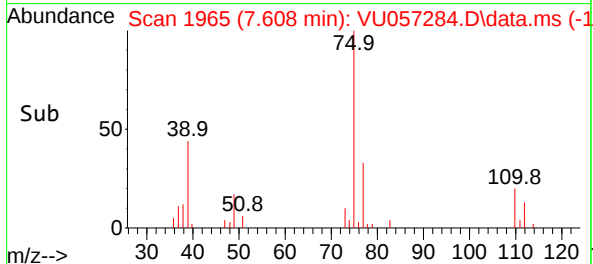
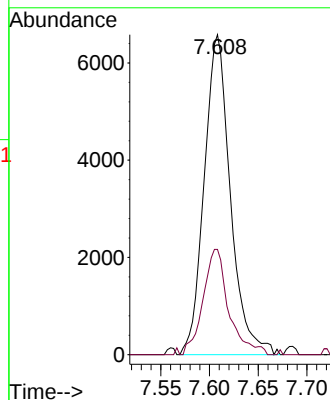
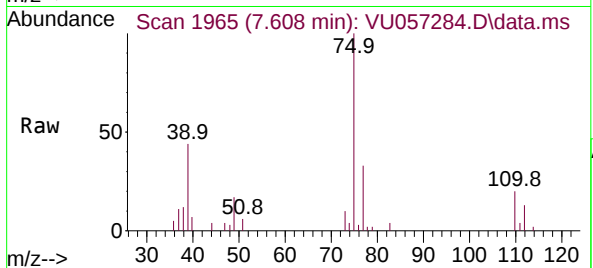
ClientSampleId :

Tgt Ion: 75 Resp: 12329

Ion Ratio Lower Upper

75 100

77 32.9 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 4.807 ug/L

RT: 7.791 min Scan# 2022

Delta R.T. 0.006 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

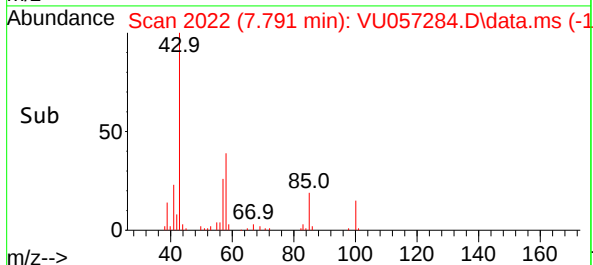
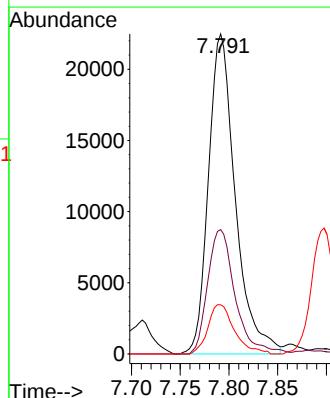
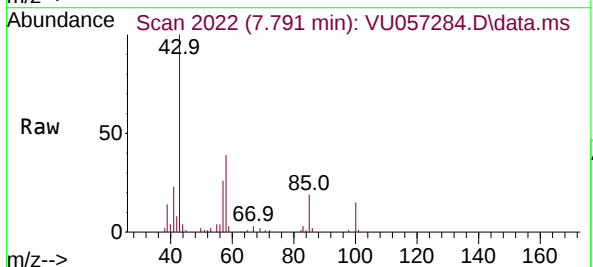
Tgt Ion: 43 Resp: 43112

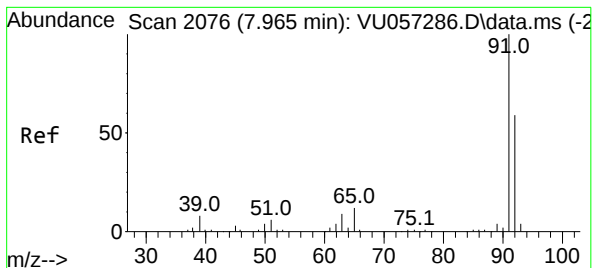
Ion Ratio Lower Upper

43 100

58 39.7 34.4 51.6

100 15.2 13.2 19.8





#42

Toluene

Concen: 0.541 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

Instrument :

MSVOA_U

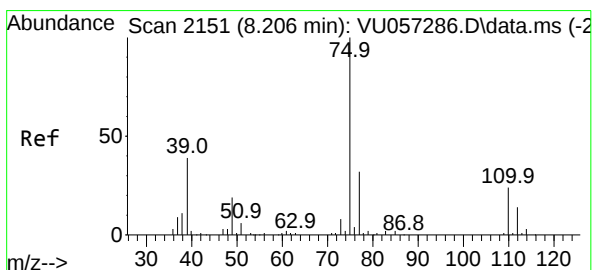
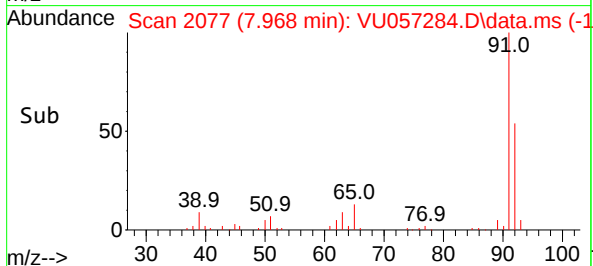
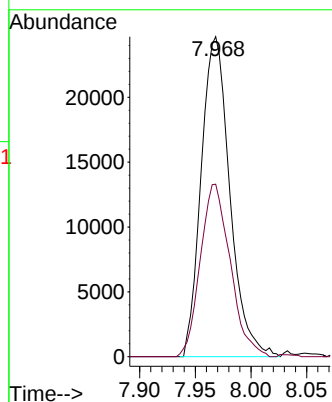
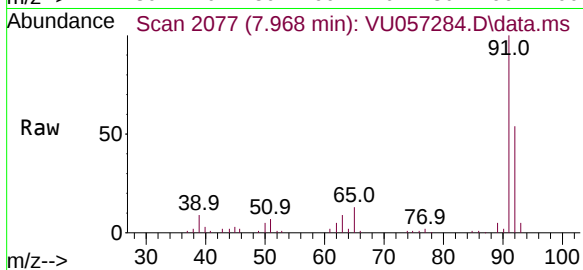
ClientSampleId :

Tgt Ion: 91 Resp: 44217

Ion Ratio Lower Upper

91 100

92 53.9 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 0.431 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU057284.D

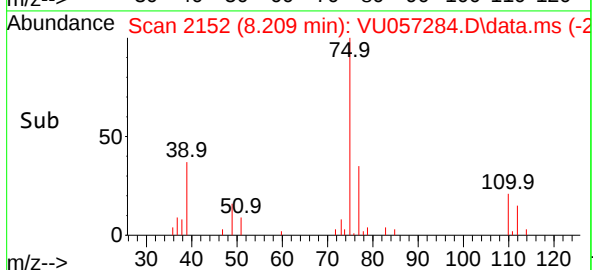
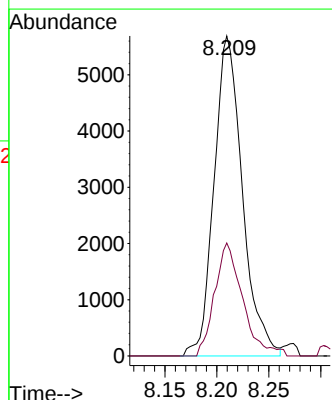
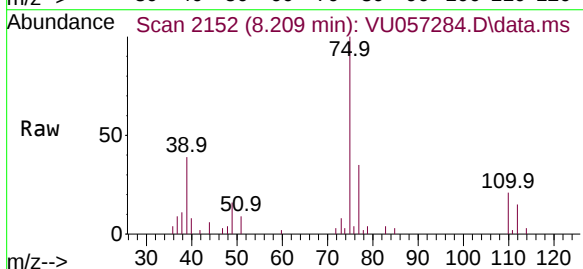
Acq: 27 Dec 2023 16:38

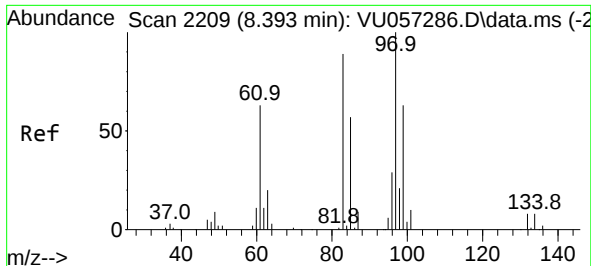
Tgt Ion: 75 Resp: 10797

Ion Ratio Lower Upper

75 100

77 35.3 22.5 41.9

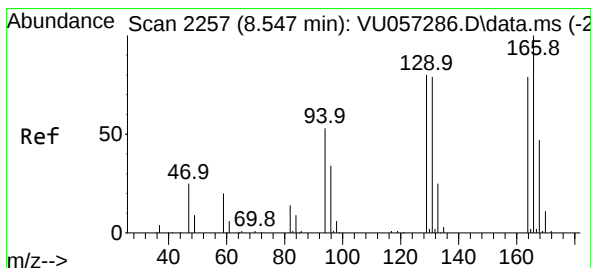
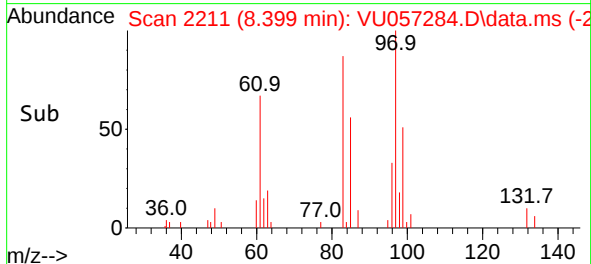
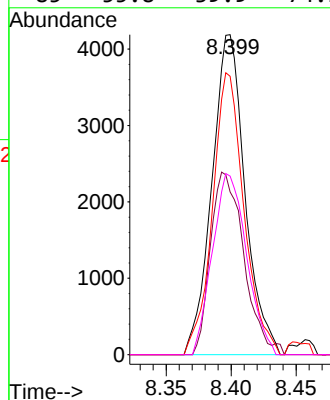
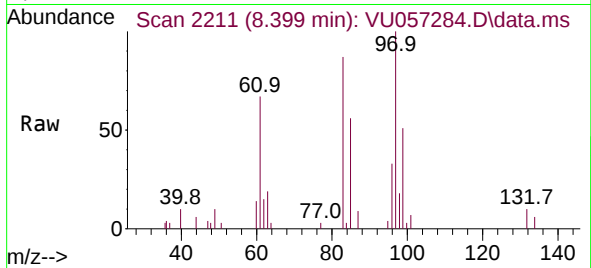




#45
1,1,2-Trichloroethane
Concen: 0.535 ug/L
RT: 8.399 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

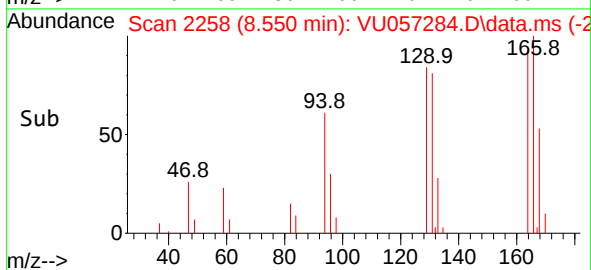
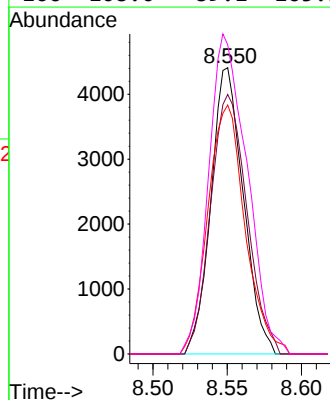
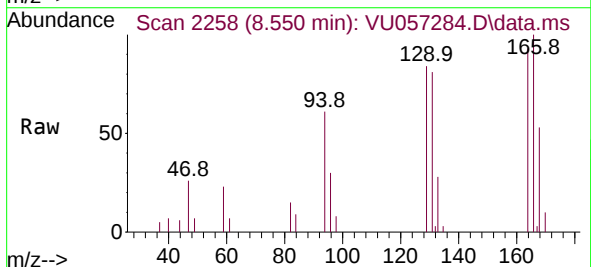
Instrument :
MSVOA_U
ClientSampleId :

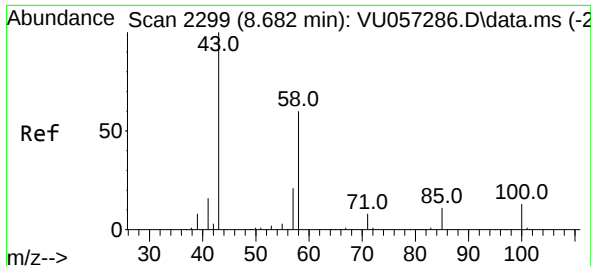
Tgt Ion: 97	Resp: 7414
Ion Ratio	Lower Upper
97 100	
99 50.8	44.0 81.8
83 87.0	62.3 115.7
85 55.8	39.9 74.1



#47
Tetrachloroethene
Concen: 0.418 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

Tgt	Ion:164	Resp:	6696
Ion	Ratio	Lower	Upper
164	100		
129	90.6	71.3	132.5
131	86.9	70.7	131.3
166	108.0	89.1	165.5

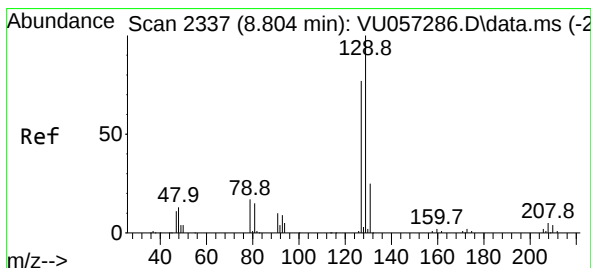
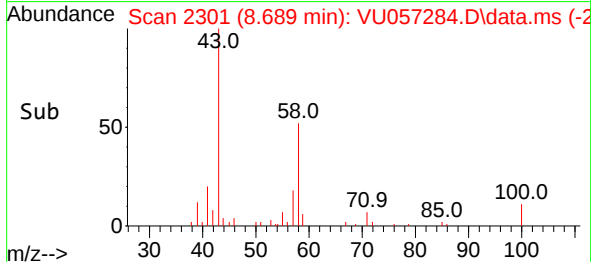
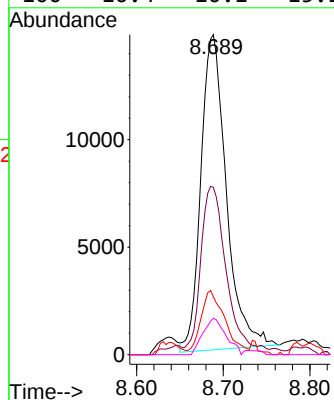
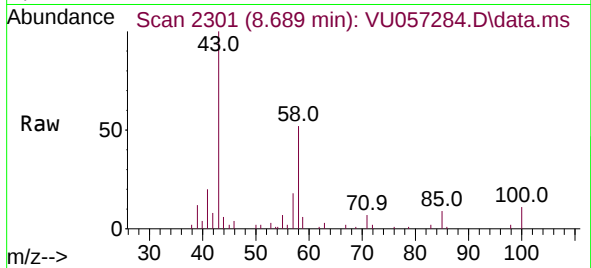




#48
2-Hexanone
Concen: 4.510 ug/L
RT: 8.689 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

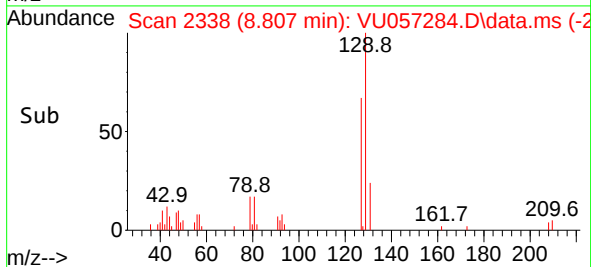
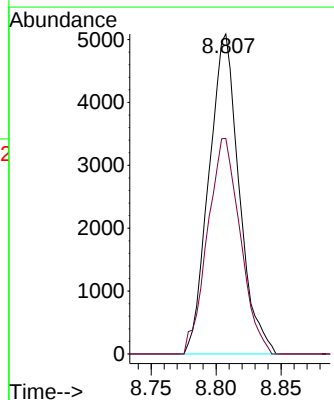
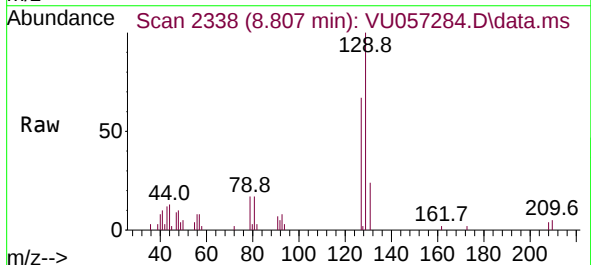
Instrument :
MSVOA_U
ClientSampleId :

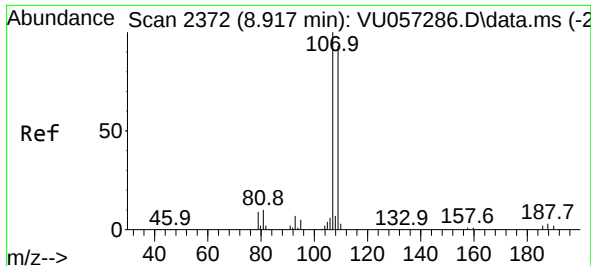
Tgt Ion: 43	Resp:	29902
Ion	Ratio	Lower Upper
43	100	
58	51.3	48.4 72.6
57	17.1	17.4 26.2#
100	10.4	10.1 15.1



#49
Dibromochloromethane
Concen: 0.470 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

Tgt Ion: 129	Resp:	8224
Ion	Ratio	Lower Upper
129	100	
127	69.5	54.2 100.6

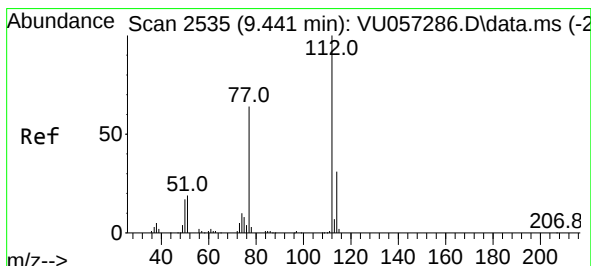
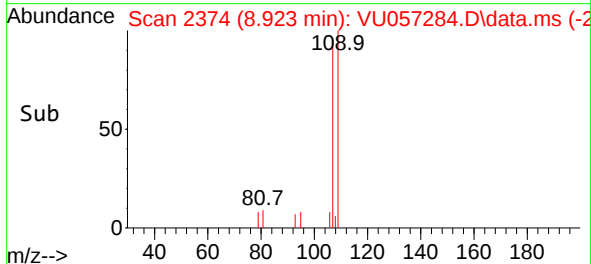
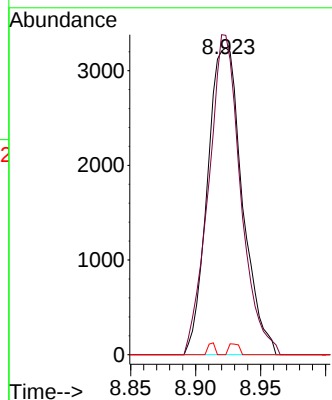
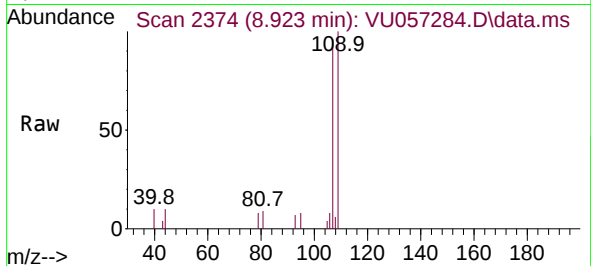




#50
1,2-Dibromoethane
Concen: 0.469 ug/L
RT: 8.923 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

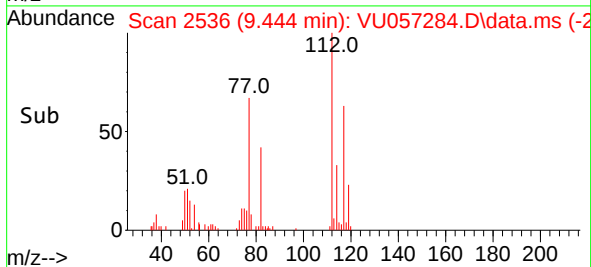
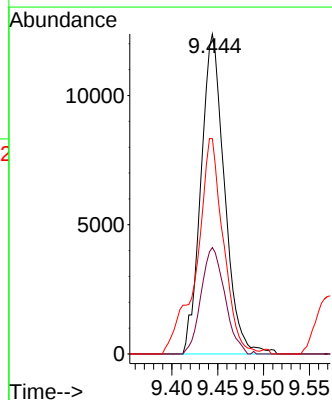
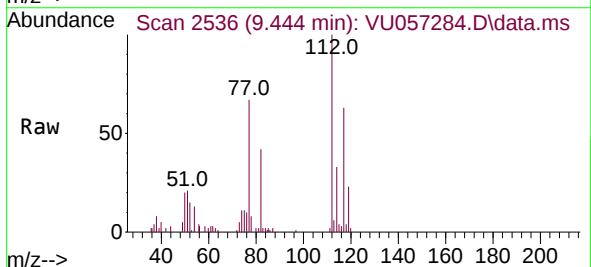
Instrument :
MSVOA_U
ClientSampleId :

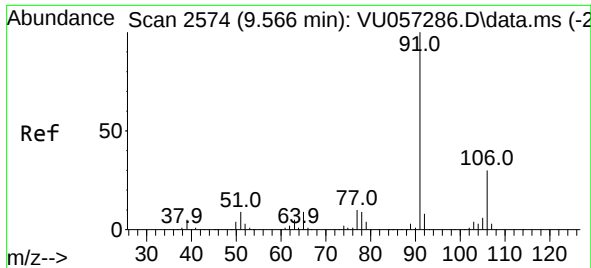
Tgt Ion:107 Resp: 6044
Ion Ratio Lower Upper
107 100
109 104.1 65.2 121.2
188 0.0 2.3 3.5#



#51
Chlorobenzene
Concen: 0.414 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

Tgt Ion:112 Resp: 22116
Ion Ratio Lower Upper
112 100
114 31.4 21.8 40.4
77 63.5 51.2 76.8

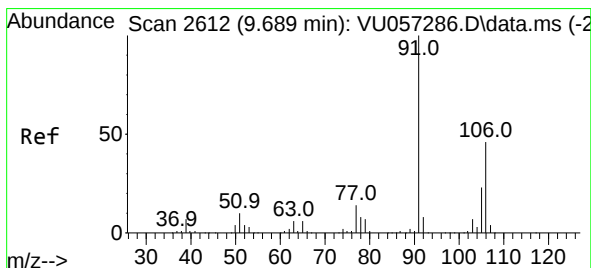
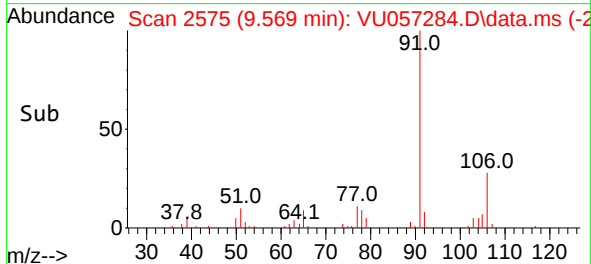
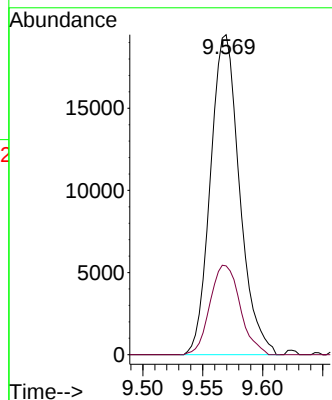
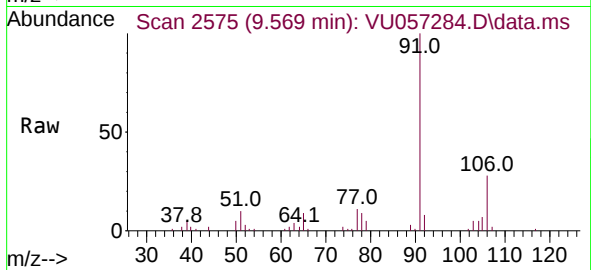




#52
Ethylbenzene
Concen: 0.360 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

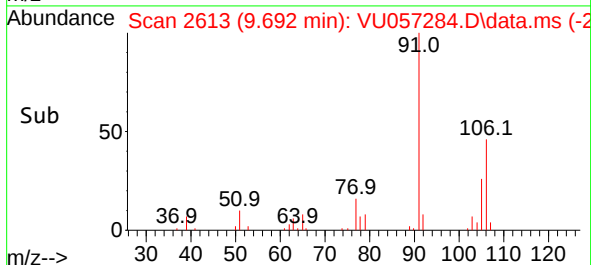
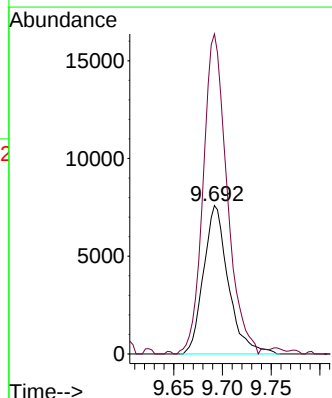
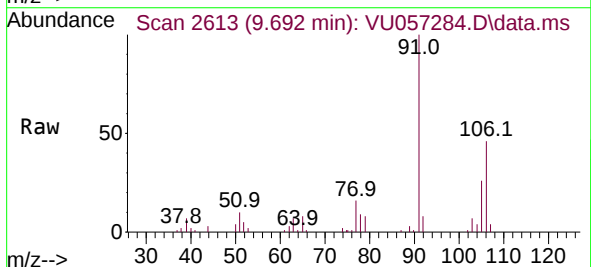
Instrument :
MSVOA_U
ClientSampleId :

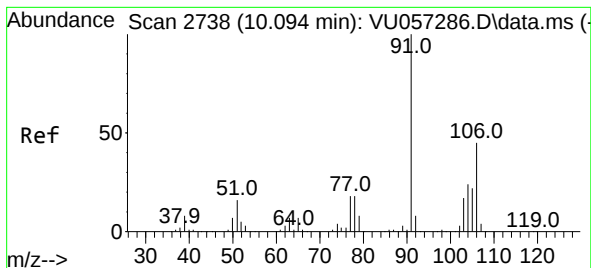
Tgt Ion: 91 Resp: 32864
Ion Ratio Lower Upper
91 100
106 27.7 21.1 39.3



#53
m,p-Xylene
Concen: 0.402 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

Tgt Ion: 106 Resp: 13442
Ion Ratio Lower Upper
106 100
91 215.4 151.5 281.5





#54

o-Xylene

Concen: 0.364 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

Instrument :

MSVOA_U

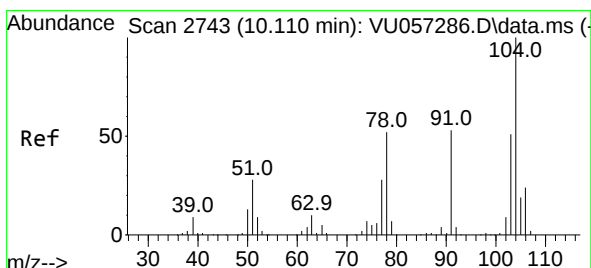
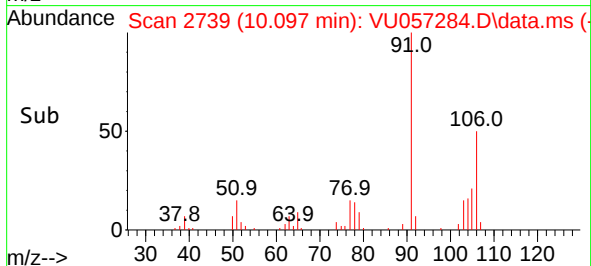
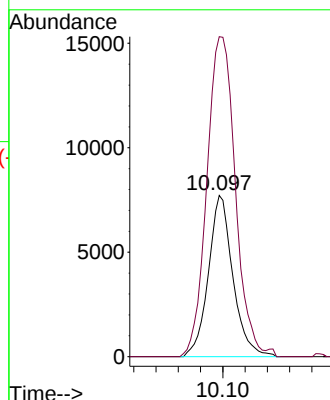
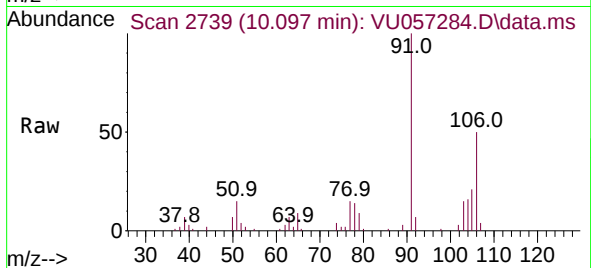
ClientSampleId :

Tgt Ion:106 Resp: 11773

Ion Ratio Lower Upper

106 100

91 198.4 156.0 289.8



#55

Styrene

Concen: 0.326 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.006 min

Lab File: VU057284.D

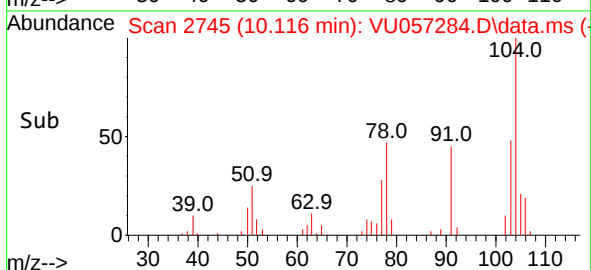
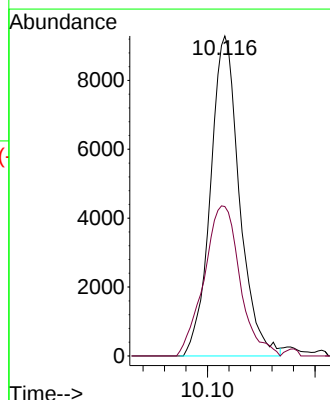
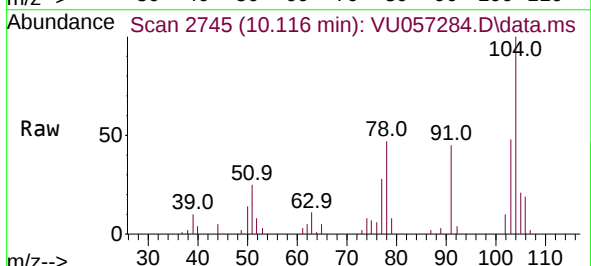
Acq: 27 Dec 2023 16:38

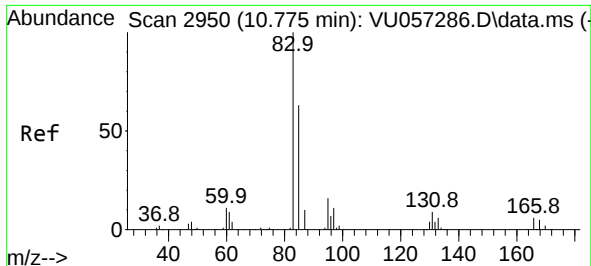
Tgt Ion:104 Resp: 17426

Ion Ratio Lower Upper

104 100

78 46.7 36.3 67.3





#57

1,1,2,2-Tetrachloroethane

Concen: 0.494 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

Instrument :

MSVOA_U

ClientSampleId :

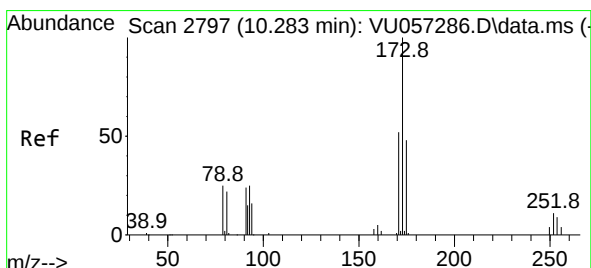
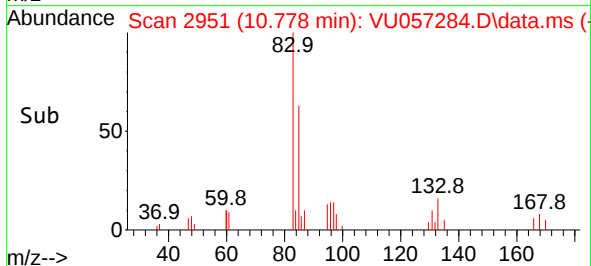
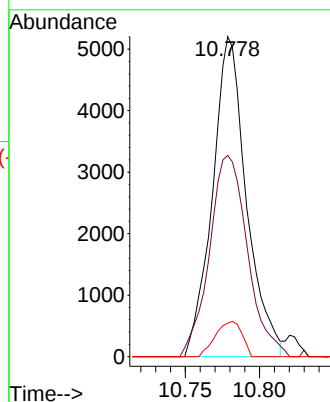
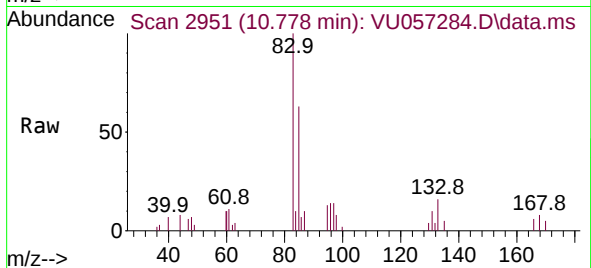
Tgt Ion: 83 Resp: 8286

Ion Ratio Lower Upper

83 100

85 69.6 44.7 83.1

131 10.4 7.7 11.5



#59

Bromoform

Concen: 0.527 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.006 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

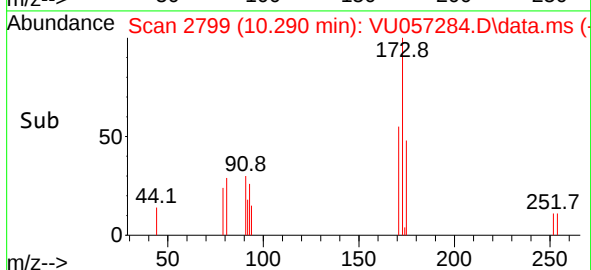
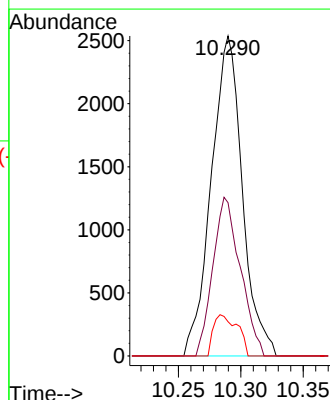
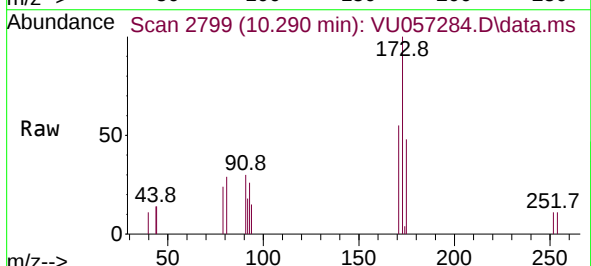
Tgt Ion: 173 Resp: 4396

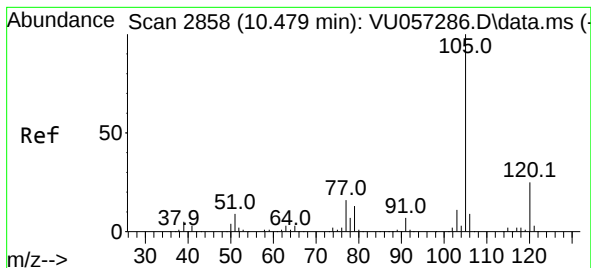
Ion Ratio Lower Upper

173 100

175 43.9 40.2 60.2

254 10.0 6.8 10.2





#60

Isopropylbenzene

Concen: 0.390 ug/L

RT: 10.479 min Scan# 21

Delta R.T. -0.000 min MSVOA_U

Lab File: VU057284.D

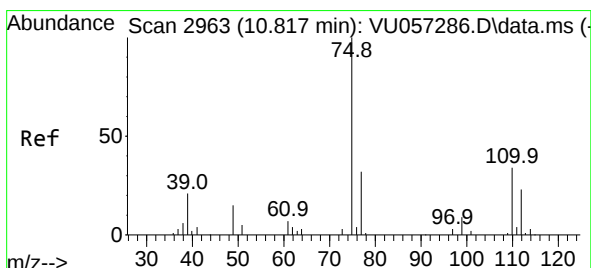
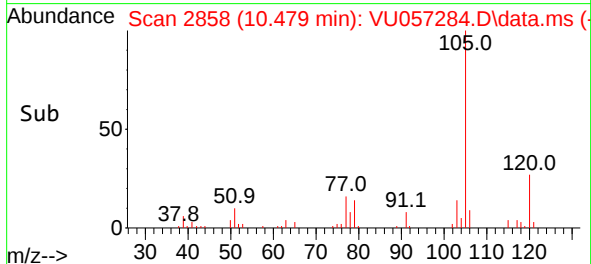
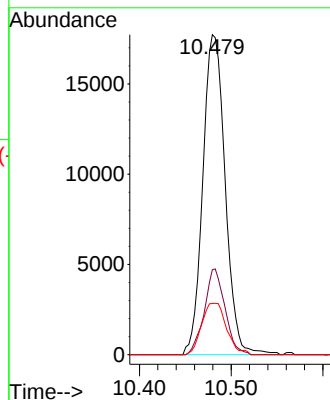
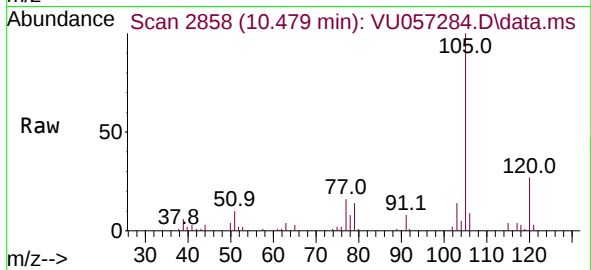
Acq: 27 Dec 2023 16:38

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	30042
Ion Ratio	Lower	Upper	
105	100		
120	24.7	20.2	30.4
77	17.8	13.2	19.8



#61

1,2,3-Trichloropropane

Concen: 0.562 ug/L

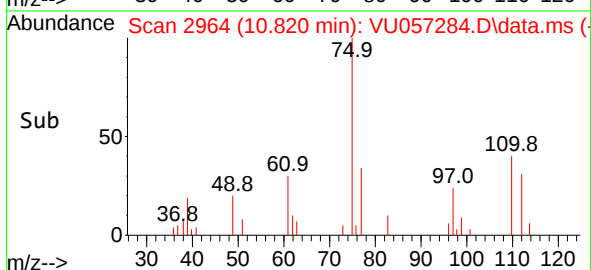
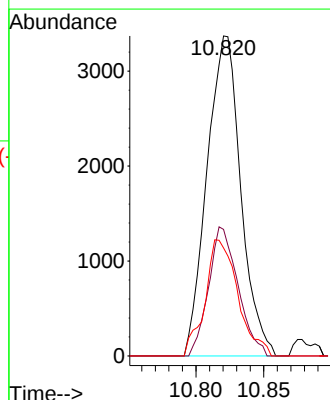
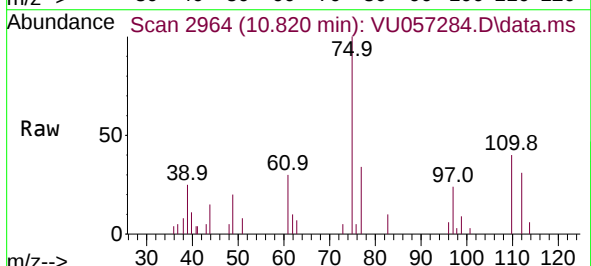
RT: 10.820 min Scan# 2964

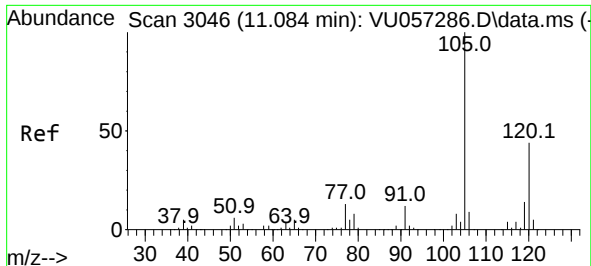
Delta R.T. 0.003 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

Tgt Ion:	75	Resp:	5849
Ion Ratio	Lower	Upper	
75	100		
110	35.2	29.0	43.6
77	35.2	25.4	38.2





#62

1,3,5-Trimethylbenzene

Concen: 0.354 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

Instrument :

MSVOA_U

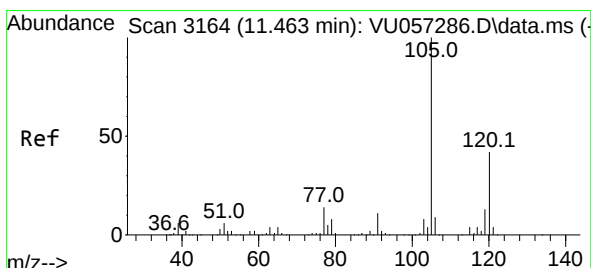
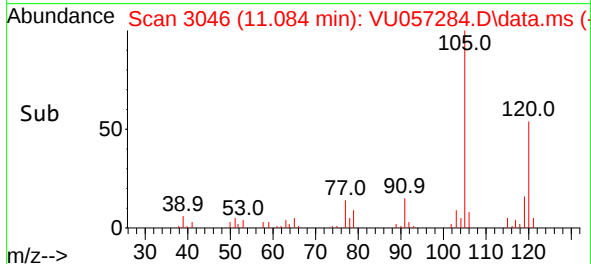
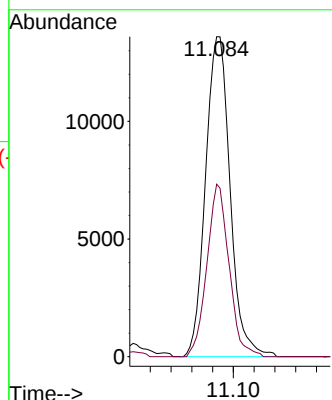
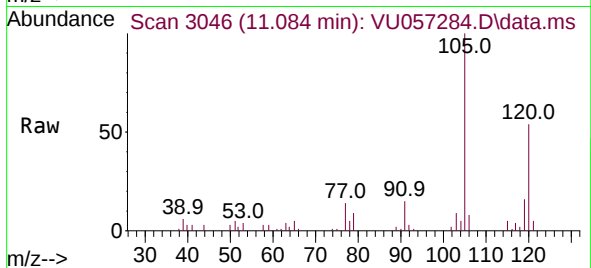
ClientSampleId :

Tgt Ion:105 Resp: 22287

Ion Ratio Lower Upper

105 100

120 48.6 36.0 54.0



#63

1,2,4-Trimethylbenzene

Concen: 0.357 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU057284.D

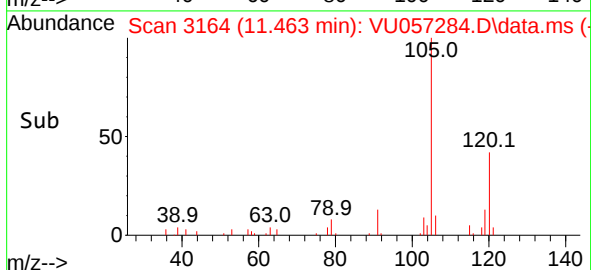
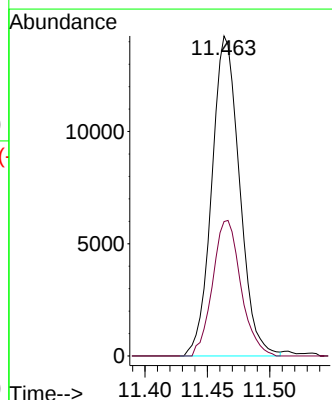
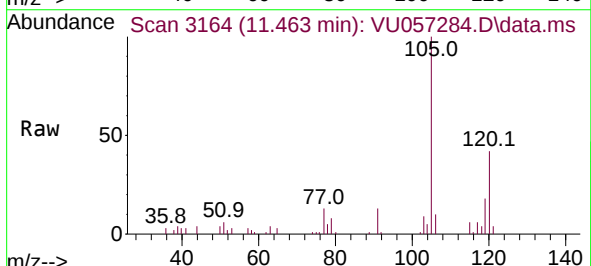
Acq: 27 Dec 2023 16:38

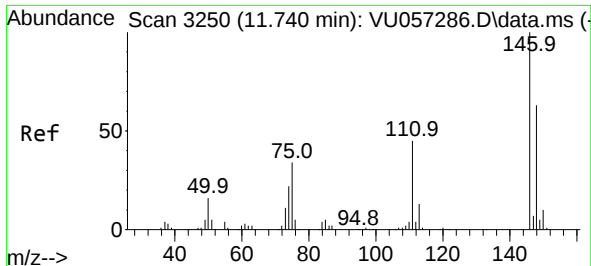
Tgt Ion:105 Resp: 22139

Ion Ratio Lower Upper

105 100

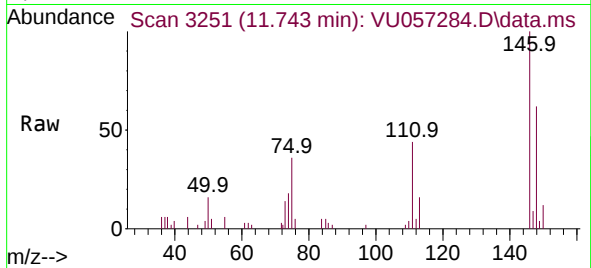
120 43.1 33.5 50.3



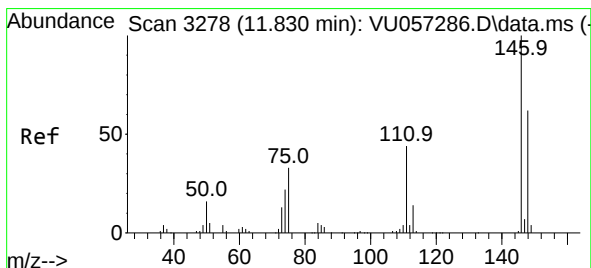
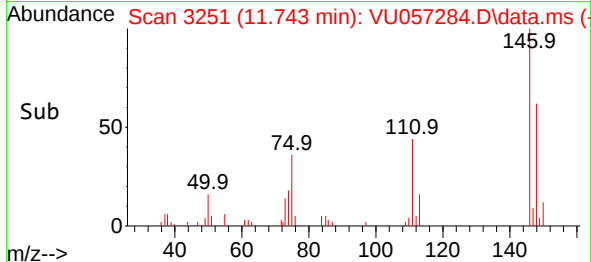
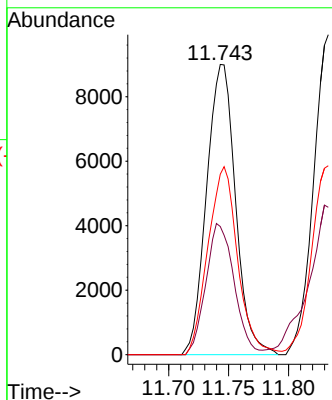


#64
1,3-Dichlorobenzene
Concen: 0.411 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

Instrument :
MSVOA_U
ClientSampleId :

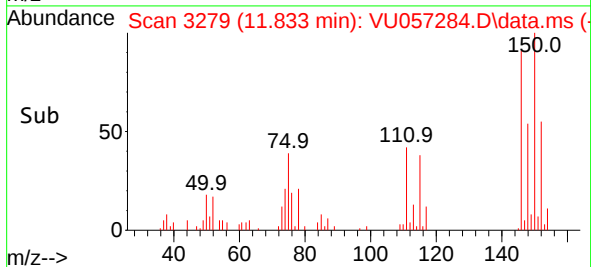
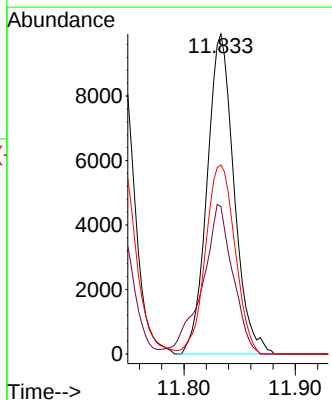
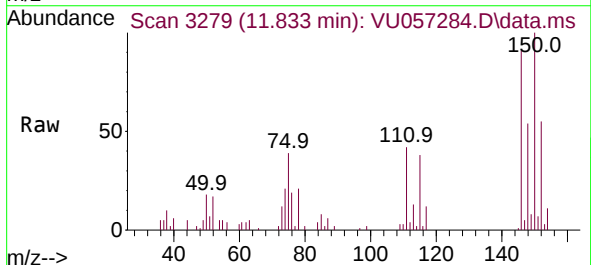


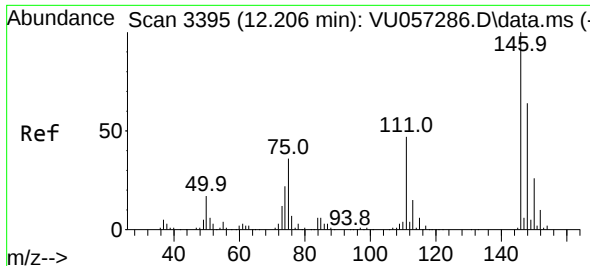
Tgt Ion:146 Resp: 15101
Ion Ratio Lower Upper
146 100
111 44.2 31.4 58.2
148 62.2 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 0.451 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU057284.D
Acq: 27 Dec 2023 16:38

Tgt Ion:146 Resp: 16687
Ion Ratio Lower Upper
146 100
111 46.1 30.9 57.3
148 59.1 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 0.452 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

Instrument :

MSVOA_U

ClientSampleId :

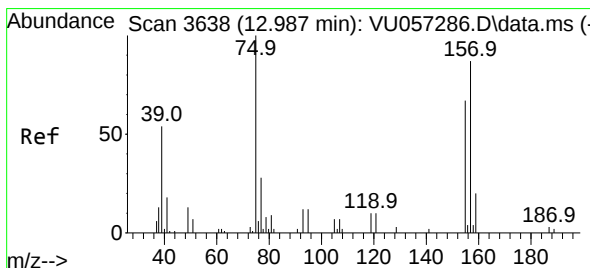
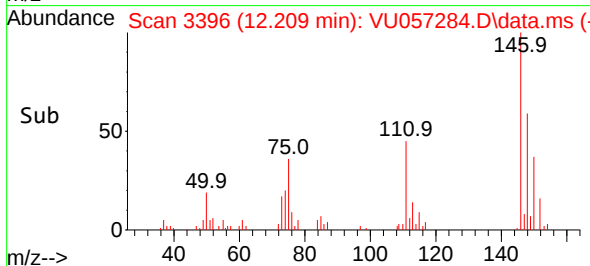
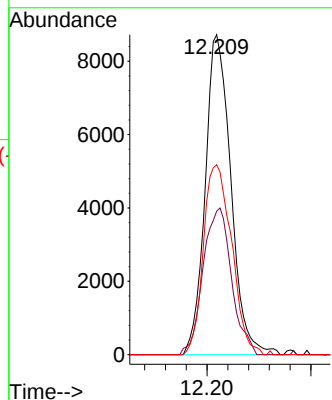
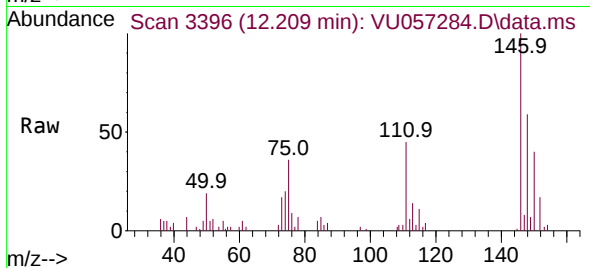
Tgt Ion:146 Resp: 14994

Ion Ratio Lower Upper

146 100

111 44.8 37.8 56.8

148 59.3 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 0.538 ug/L

RT: 13.000 min Scan# 3642

Delta R.T. 0.013 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

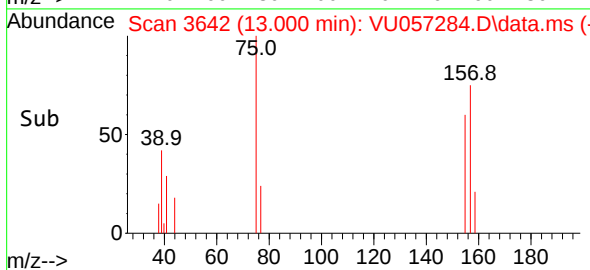
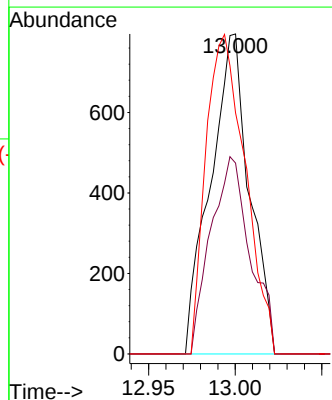
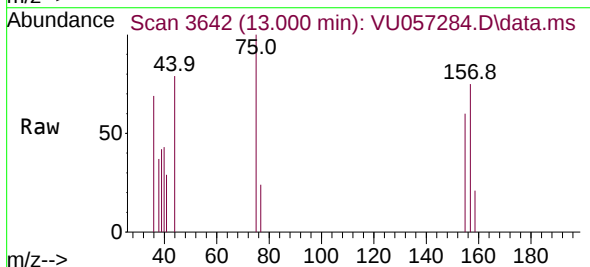
Tgt Ion: 75 Resp: 1247

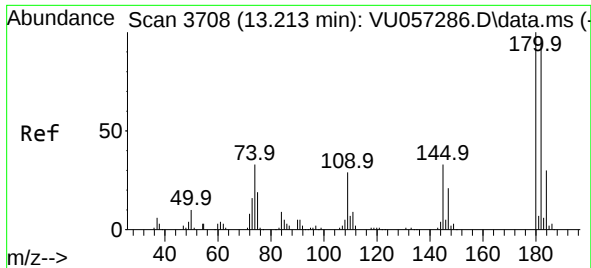
Ion Ratio Lower Upper

75 100

155 59.6 53.8 80.8

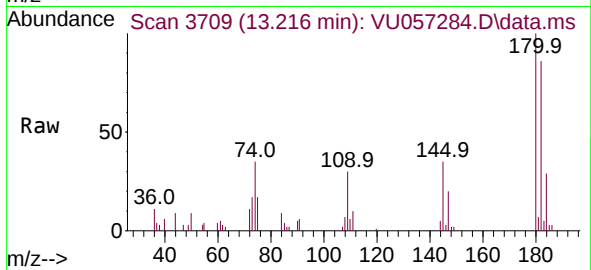
157 75.3 69.7 104.5



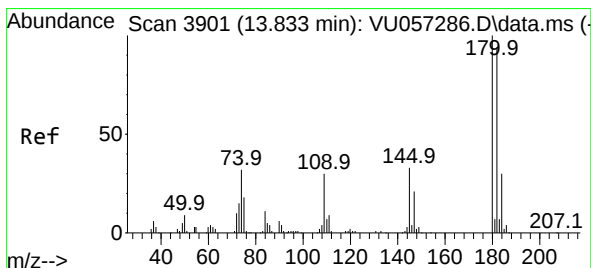
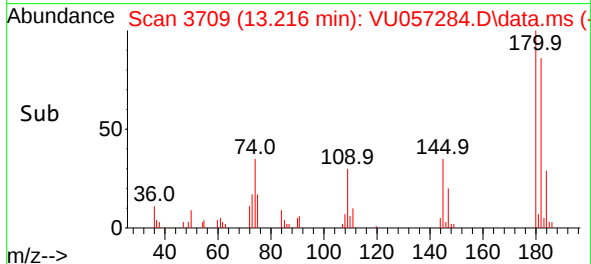
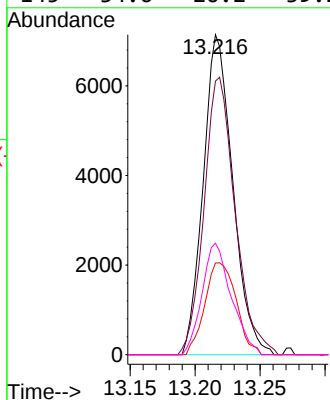


#69
 1,3,5-Trichlorobenzene
 Concen: 0.416 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU057284.D
 Acq: 27 Dec 2023 16:38

Instrument :
 MSVOA_U
 ClientSampleId :

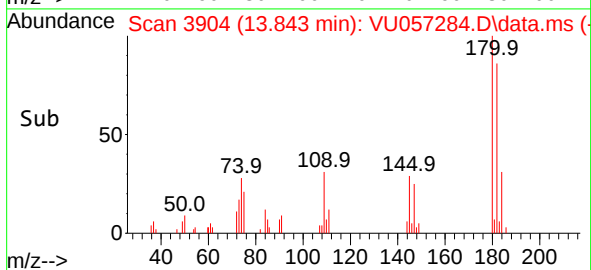
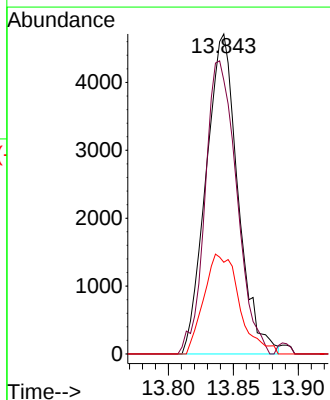
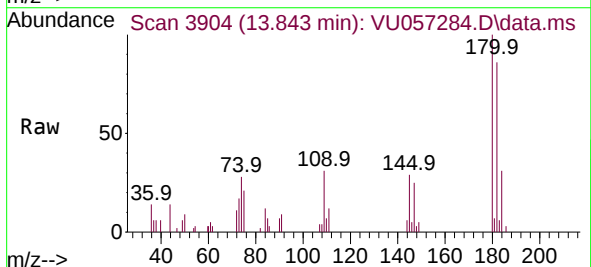


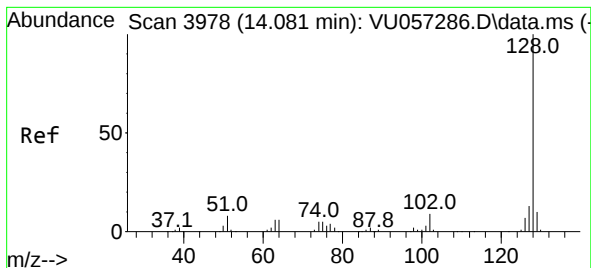
Tgt Ion:180 Resp: 11277
 Ion Ratio Lower Upper
 180 100
 182 91.2 76.3 114.5
 184 30.5 23.6 35.4
 145 34.6 26.2 39.2



#70
 1,2,4-trichlorobenzene
 Concen: 0.376 ug/L
 RT: 13.843 min Scan# 3904
 Delta R.T. 0.010 min
 Lab File: VU057284.D
 Acq: 27 Dec 2023 16:38

Tgt Ion:180 Resp: 8040
 Ion Ratio Lower Upper
 180 100
 182 90.6 76.2 114.4
 145 34.7 26.7 40.1





#71

Naphthalene

Concen: 0.395 ug/L

RT: 14.090 min Scan# 3978

Delta R.T. 0.010 min

Lab File: VU057284.D

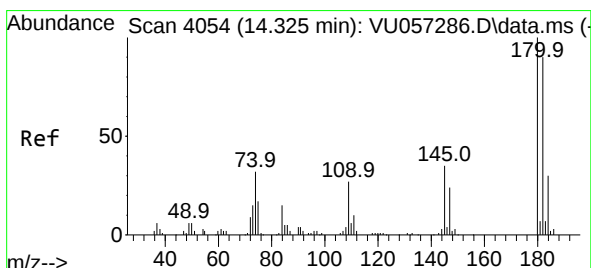
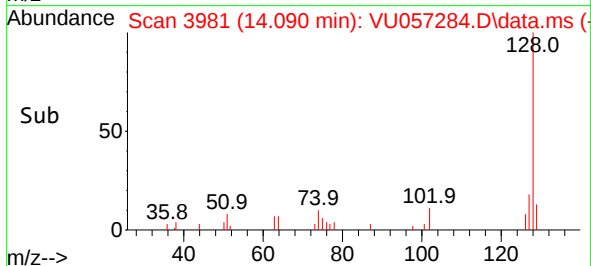
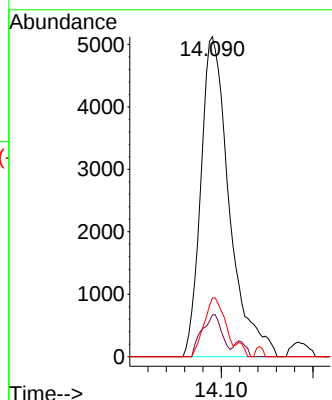
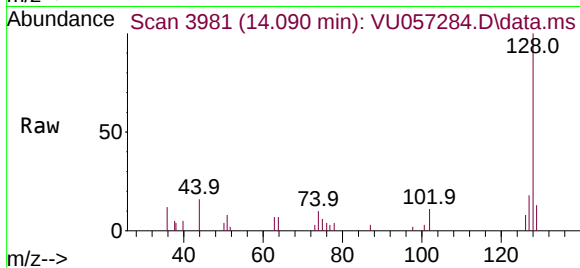
Acq: 27 Dec 2023 16:38

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp:	11030
Ion Ratio	Lower	Upper
128	100	
129	9.3	8.6 13.0
127	13.7	9.8 14.6



#72

1,2,3-Trichlorobenzene

Concen: 0.399 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU057284.D

Acq: 27 Dec 2023 16:38

Tgt Ion:180	Resp:	6805
Ion Ratio	Lower	Upper
180	100	
182	99.9	75.8 113.8
145	34.9	28.0 42.0

