

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057286.D
 Acq On : 27 Dec 2023 17:25
 Operator : MD/SY
 Sample : VSTD005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 00:18:20 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	260645	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	257123	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	129971	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	114771	4.699	ug/L	0.00
7) Chloroethane-d5	1.911	69	92449	4.622	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	45598	4.409	ug/L	0.00
20) 2-Butanone-d5	4.634	46	257551	62.295	ug/L	0.00
24) Chloroform-d	5.055	84	199313	4.319	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	103542	4.626	ug/L	0.00
32) Benzene-d6	5.721	84	375867	4.426	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	119053	4.833	ug/L	0.00
41) Toluene-d8	7.891	98	332495	4.341	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	48098	4.688	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	222045	60.176	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	98119	5.420	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	113509	4.205	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	93844	4.036	ug/L	100
3) Chloromethane	1.518	50	101320	4.700	ug/L	100
5) Vinyl chloride	1.602	62	106400	4.717	ug/L	100
6) Bromomethane	1.856	94	48825	4.813	ug/L	100
8) Chloroethane	1.933	64	66850	4.675	ug/L	100
9) Trichlorofluoromethane	2.136	101	154879	3.907	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	96199	4.539	ug/L	100
12) 1,1-Dichloroethene	2.573	96	82988	4.349	ug/L	100
13) Acetone	2.657	43	147517	59.266	ug/L	100
14) Carbon disulfide	2.788	76	233075	3.924	ug/L	100
15) Methyl Acetate	2.956	43	33815	5.825	ug/L	100
16) Methylene chloride	3.039	84	99934	4.422	ug/L	100
17) Methyl tert-butyl Ether	3.354	73	209265	5.040	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	81872	4.429	ug/L	100
19) 1,1-Dichloroethane	3.862	63	174321	4.687	ug/L	100
21) 2-Butanone	4.714	43	230029	60.124	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	93709	4.575	ug/L	100
23) Bromochloromethane	4.968	128	41972	4.644	ug/L	100
25) Chloroform	5.081	83	183721	4.426	ug/L	100
27) 1,2-Dichloroethane	5.788	62	113520	4.601	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	159270	4.082	ug/L	100
30) Cyclohexane	5.383	56	120486	4.473	ug/L	100
31) Carbon tetrachloride	5.518	117	133197	3.906	ug/L	100
33) Benzene	5.769	78	370722	4.636	ug/L	100
34) Trichloroethene	6.538	95	96749	4.193	ug/L	100
35) Methylcyclohexane	6.756	83	129628	4.292	ug/L	100
37) 1,2-Dichloropropane	6.782	63	102094	5.034	ug/L	100
38) Bromodichloromethane	7.100	83	133223	4.617	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	141039	4.675	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	543067	58.994	ug/L	100
42) Toluene	7.965	91	382358	4.555	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	122619	4.771	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057286.D
 Acq On : 27 Dec 2023 17:25
 Operator : MD/SY
 Sample : VSTD005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 00:18:20 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)

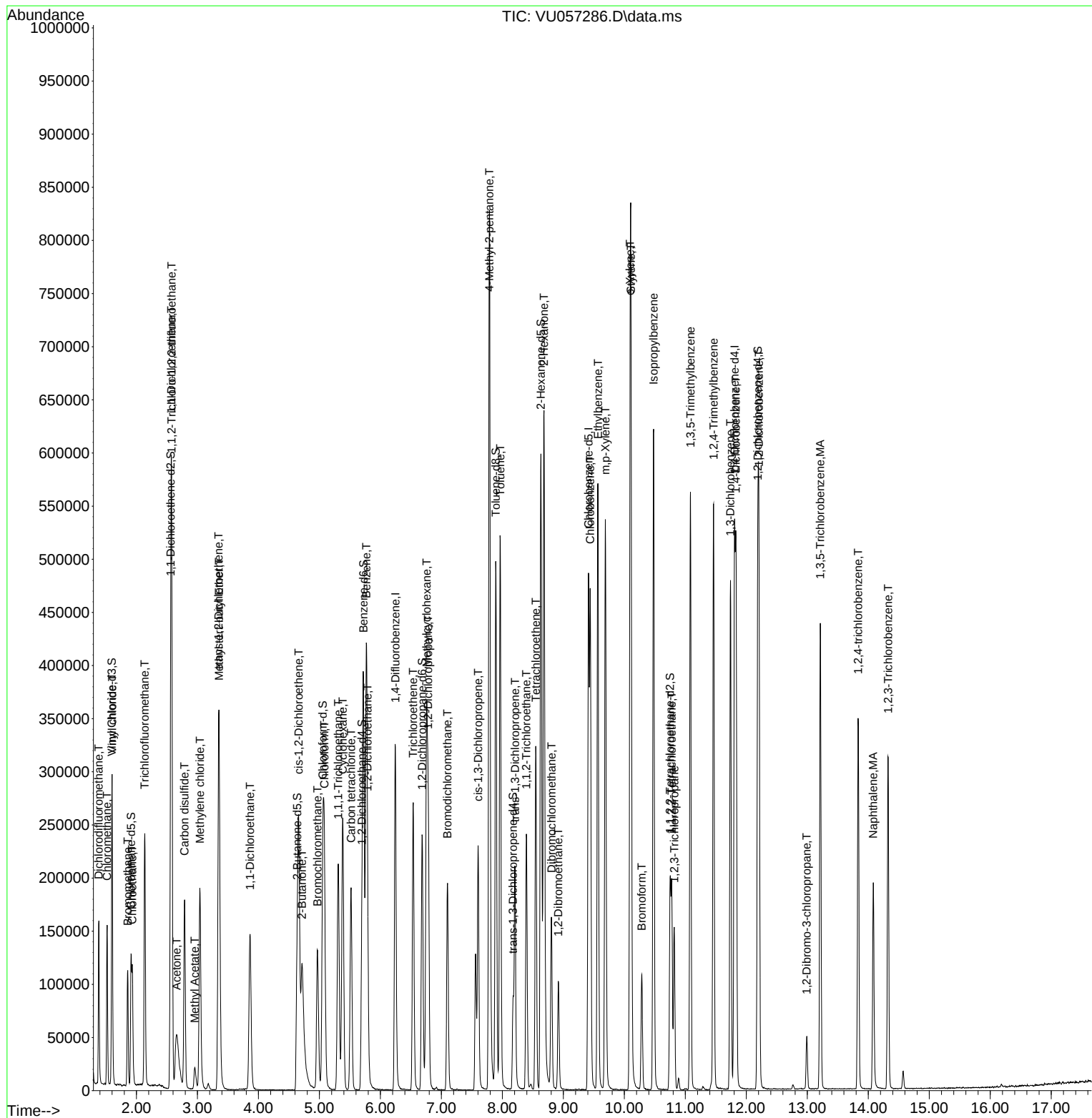
45) 1,1,2-Trichloroethane	8.393	97	74457	5.235	ug/L	100
47) Tetrachloroethene	8.547	164	68483	4.165	ug/L	100
48) 2-Hexanone	8.682	43	408222	59.979	ug/L	100
49) Dibromochloromethane	8.804	129	84868	4.725	ug/L	100
50) 1,2-Dibromoethane	8.917	107	66779	5.052	ug/L	100
51) Chlorobenzene	9.441	112	242710	4.422	ug/L	100
52) Ethylbenzene	9.566	91	396331	4.225	ug/L	100
53) m,p-Xylene	9.689	106	153074	4.455	ug/L	100
54) o-Xylene	10.094	106	146935	4.425	ug/L	100
55) Styrene	10.110	104	255266	4.653	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	93026	5.405	ug/L	100
59) Bromoform	10.283	173	48780	4.886	ug/L	100
60) Isopropylbenzene	10.479	105	395601	4.294	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	66426	5.336	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	307310	4.087	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	307492	4.147	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	190434	4.329	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	188368	4.259	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	177718	4.485	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	14127	5.096	ug/L	100
69) 1,3,5-Trichlorobenzene	13.213	180	131028	4.037	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	102690	4.015	ug/L	100
71) Naphthalene	14.081	128	158801	4.754	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	91792	4.506	ug/L	100

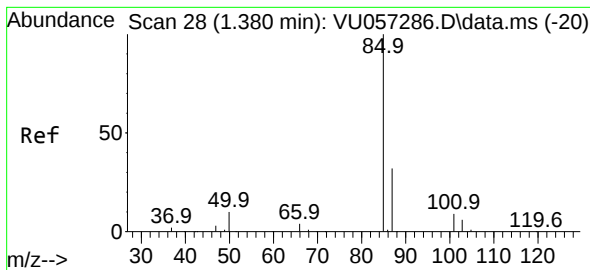
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
Data File : VU057286.D
Acq On : 27 Dec 2023 17:25
Operator : MD/SY
Sample : VSTD005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 28 00:18:20 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

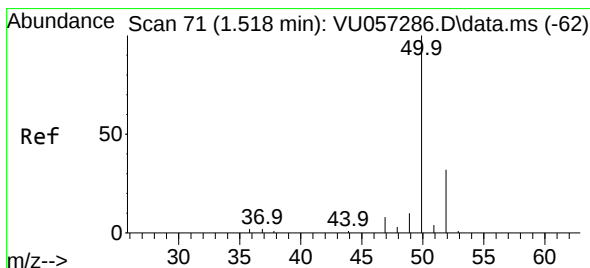
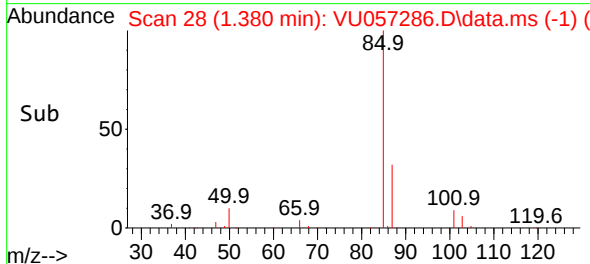
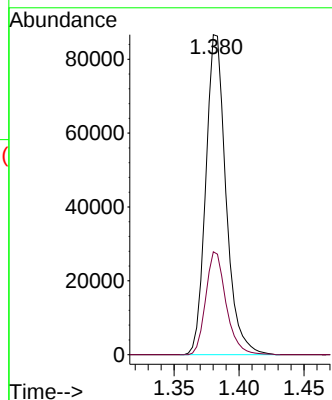
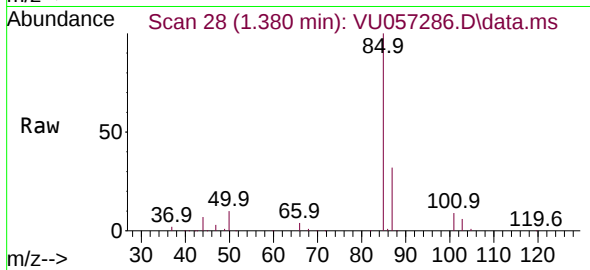




#2
 Dichlorodifluoromethane
 Concen: 4.036 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU057286.D
 Acq: 27 Dec 2023 17:25

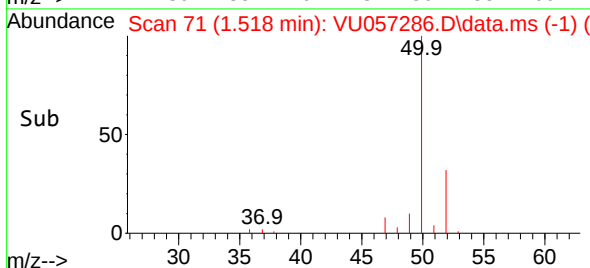
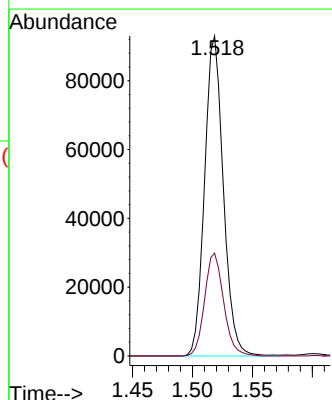
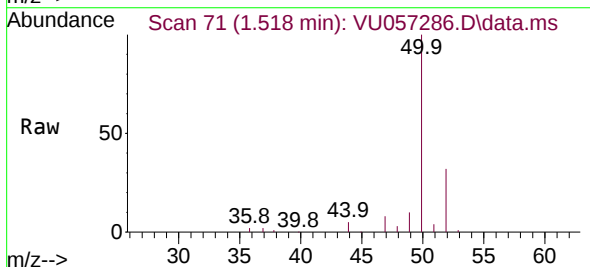
Instrument :
 MSVOA_U
 ClientSampleId :

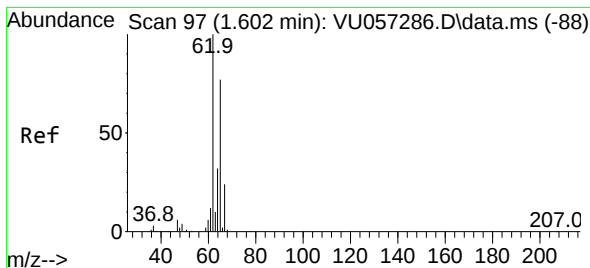
Tgt Ion: 85 Resp: 93844
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 4.700 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057286.D
 Acq: 27 Dec 2023 17:25

Tgt Ion: 50 Resp: 101320
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.5 41.7





#5

Vinyl chloride

Concen: 4.717 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Instrument :

MSVOA_U

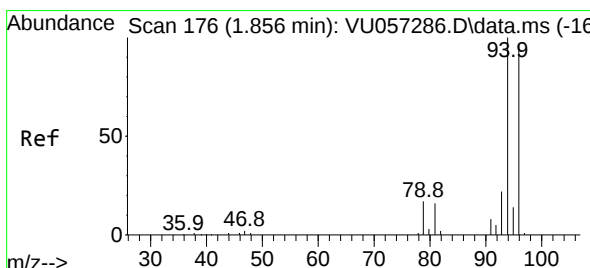
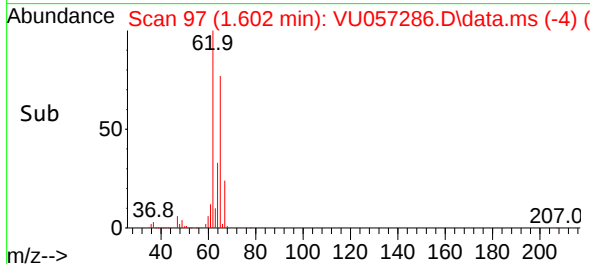
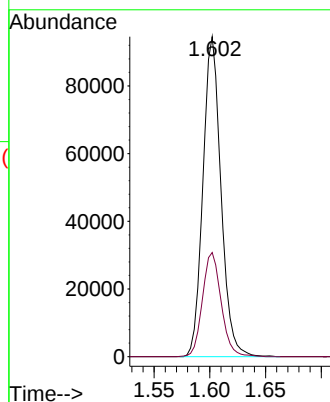
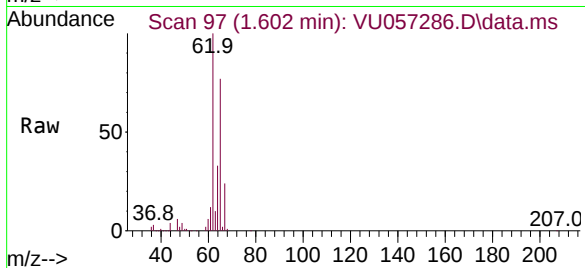
ClientSampleId :

Tgt Ion: 62 Resp: 106400

Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4



#6

Bromomethane

Concen: 4.813 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU057286.D

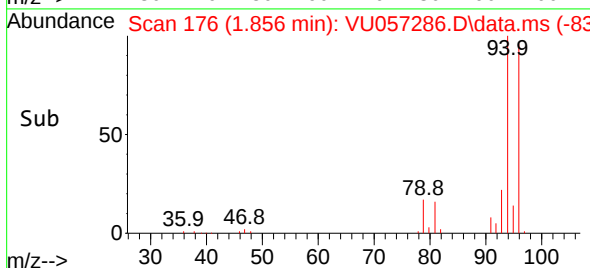
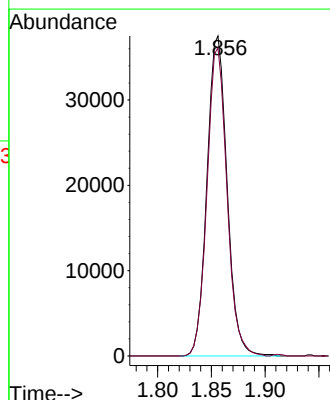
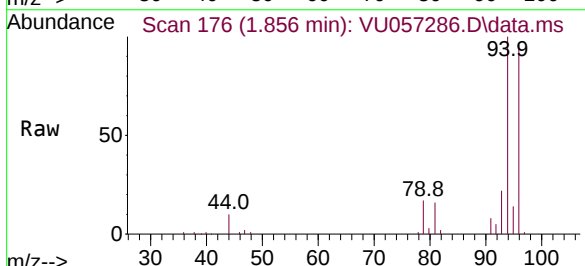
Acq: 27 Dec 2023 17:25

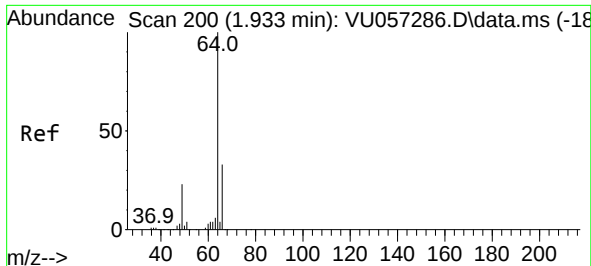
Tgt Ion: 94 Resp: 48825

Ion Ratio Lower Upper

94 100

96 96.2 67.3 125.1





#8

Chloroethane

Concen: 4.675 ug/L

RT: 1.933 min Scan# 200

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Instrument :

MSVOA_U

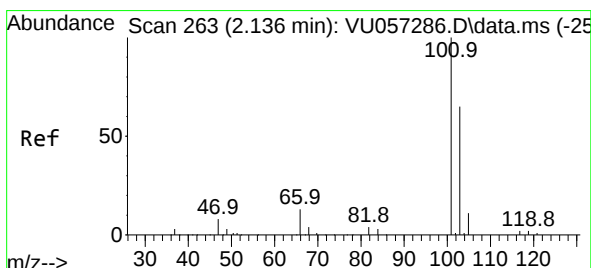
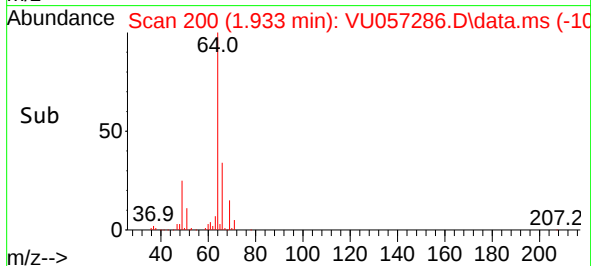
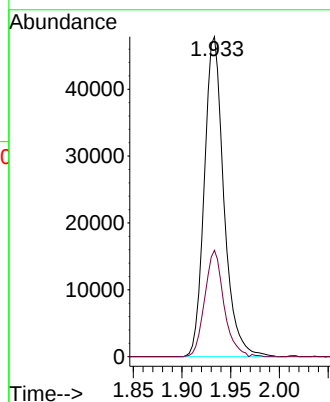
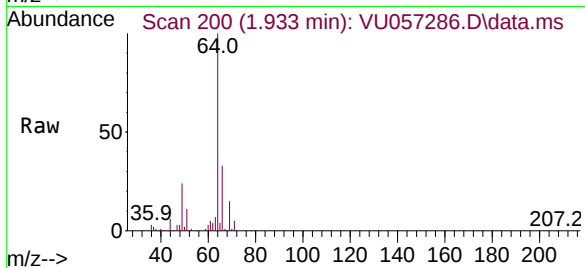
ClientSampleId :

Tgt Ion: 64 Resp: 66850

Ion Ratio Lower Upper

64 100

66 33.3 23.3 43.3



#9

Trichlorofluoromethane

Concen: 3.907 ug/L

RT: 2.136 min Scan# 263

Delta R.T. 0.000 min

Lab File: VU057286.D

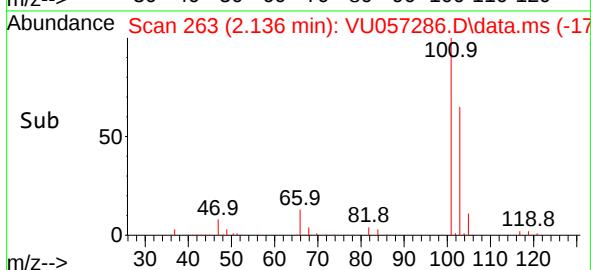
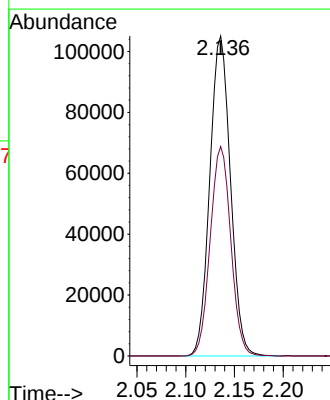
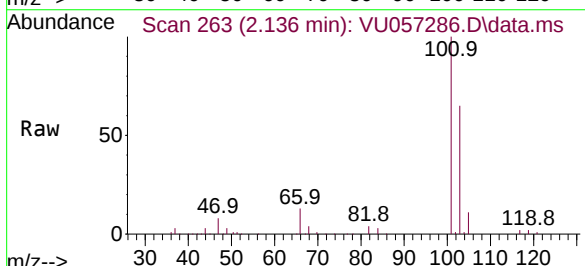
Acq: 27 Dec 2023 17:25

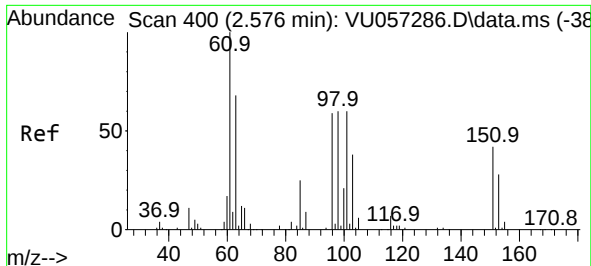
Tgt Ion:101 Resp: 154879

Ion Ratio Lower Upper

101 100

103 65.2 52.2 78.2

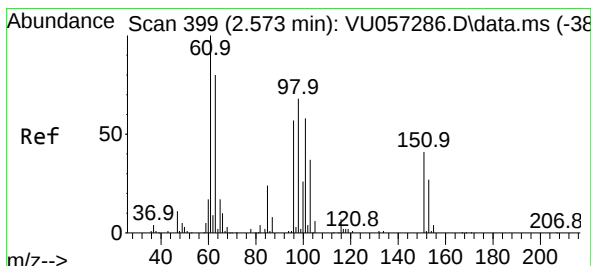
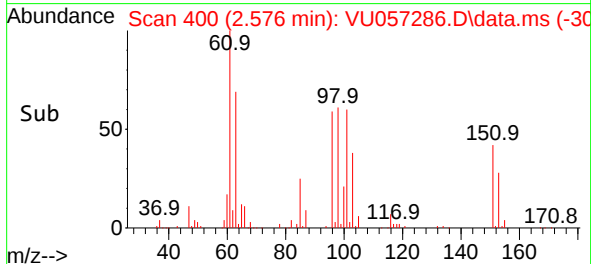
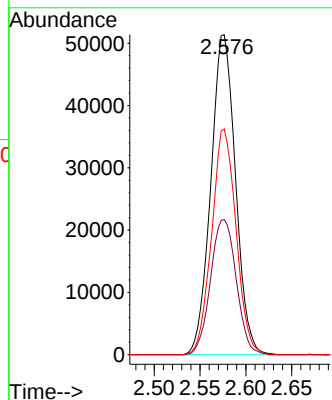
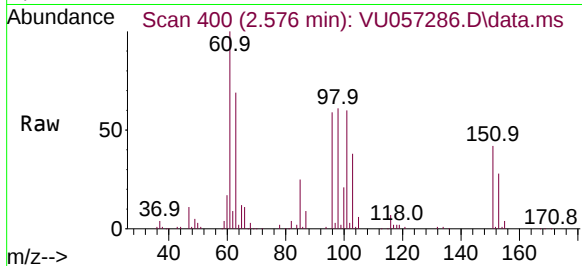




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.539 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057286.D
 Acq: 27 Dec 2023 17:25

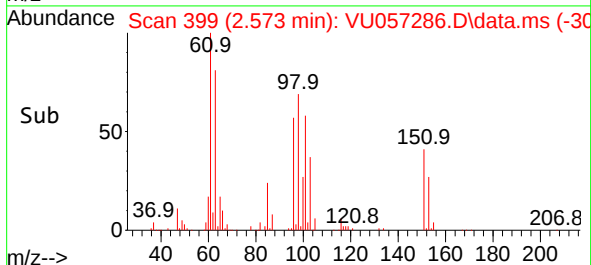
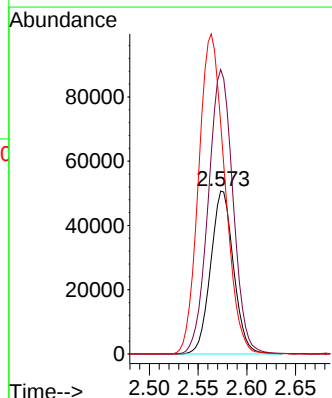
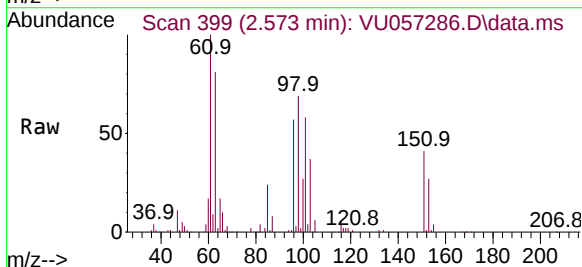
Instrument :
 MSVOA_U
 ClientSampleId :

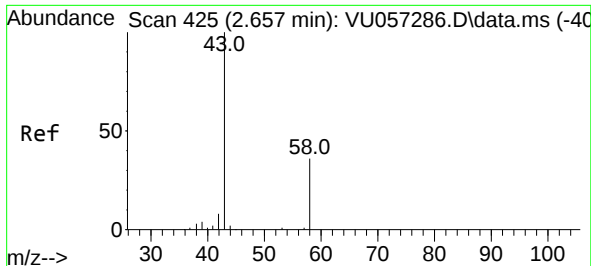
Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.1	52.7
151	69.7	55.8	83.6



#12
 1,1-Dichloroethene
 Concen: 4.349 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU057286.D
 Acq: 27 Dec 2023 17:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.5	122.2	226.9
63	141.7	99.2	184.2





#13

Acetone

Concen: 59.266 ug/L

RT: 2.657 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Instrument :

MSVOA_U

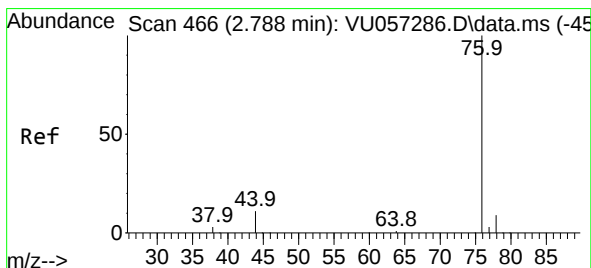
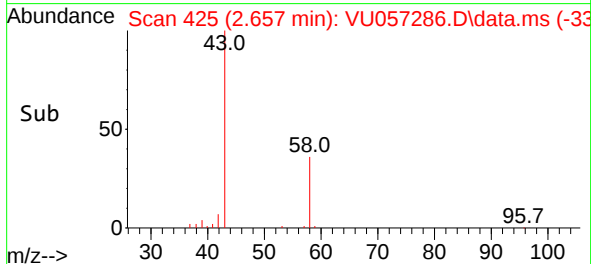
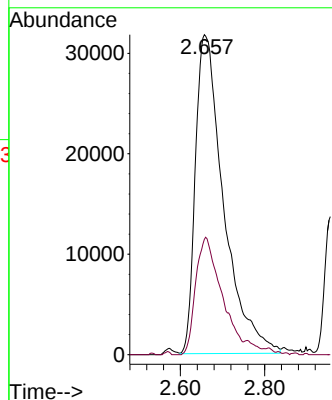
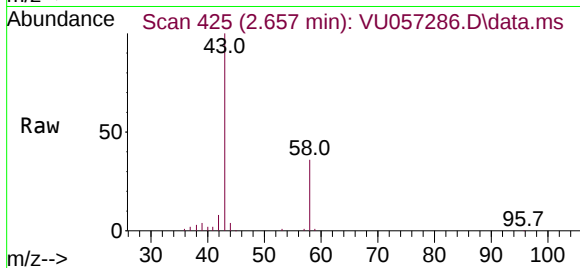
ClientSampleId :

Tgt Ion: 43 Resp: 147517

Ion Ratio Lower Upper

43 100

58 33.6 0.0 67.2



#14

Carbon disulfide

Concen: 3.924 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057286.D

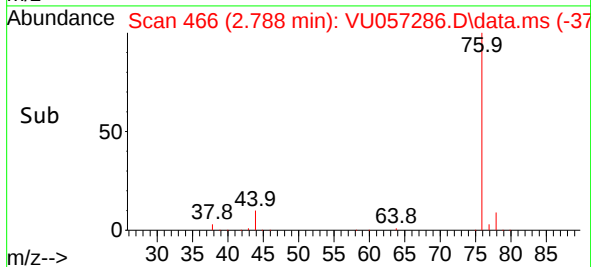
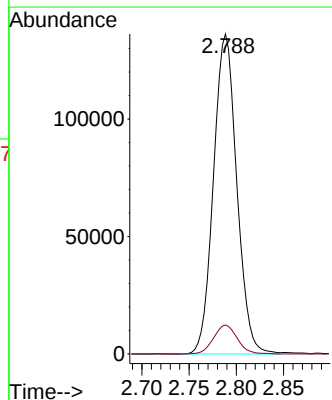
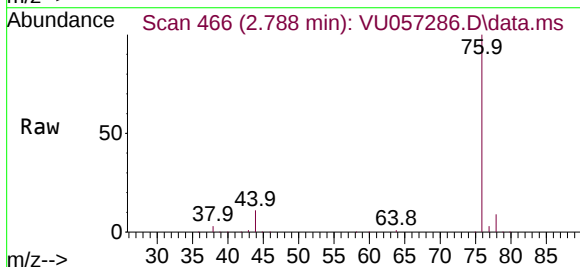
Acq: 27 Dec 2023 17:25

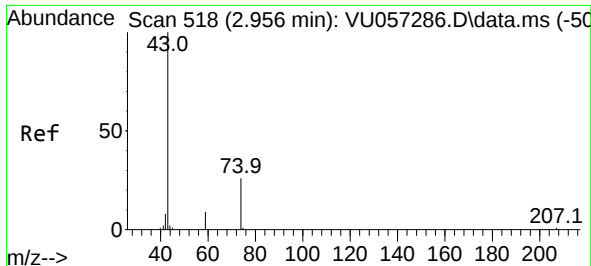
Tgt Ion: 76 Resp: 233075

Ion Ratio Lower Upper

76 100

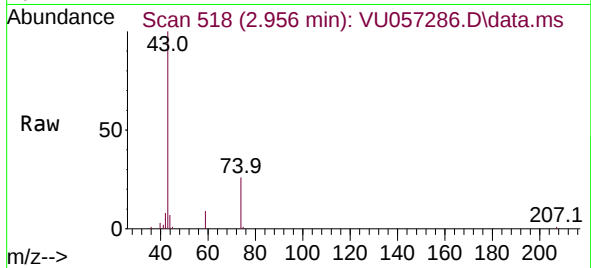
78 9.1 7.3 10.9



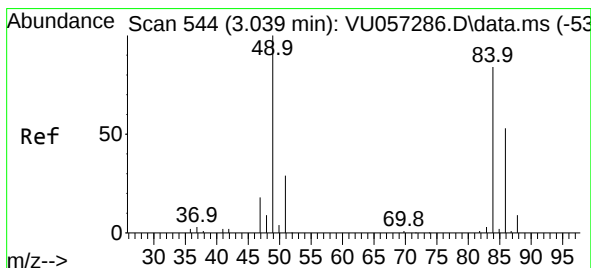
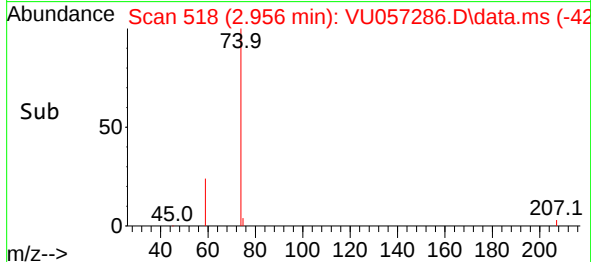
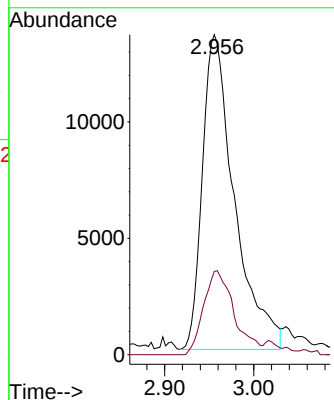


#15
Methyl Acetate
Concen: 5.825 ug/L
RT: 2.956 min Scan# 518
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

Instrument :
MSVOA_U
ClientSampleId :

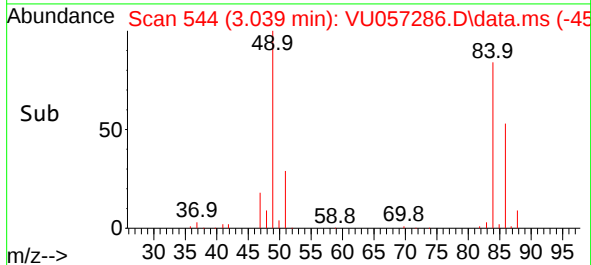
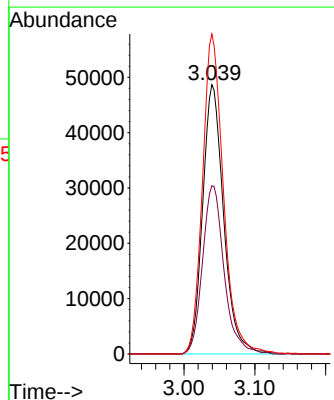
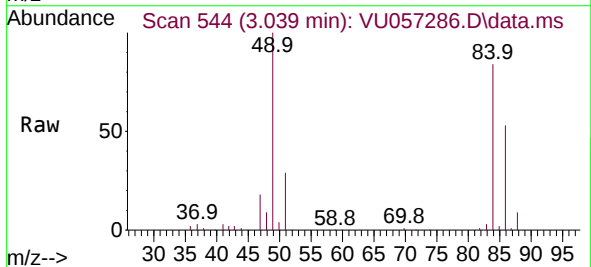


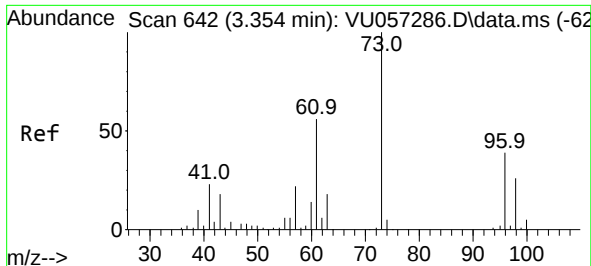
Tgt Ion: 43 Resp: 33815
Ion Ratio Lower Upper
43 100
74 25.6 20.5 30.7



#16
Methylene chloride
Concen: 4.422 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

Tgt Ion: 84 Resp: 99934
Ion Ratio Lower Upper
84 100
86 62.5 43.8 81.3
49 118.8 83.2 154.4





#17

Methyl tert-butyl Ether

Concen: 5.040 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Instrument :

MSVOA_U

ClientSampleId :

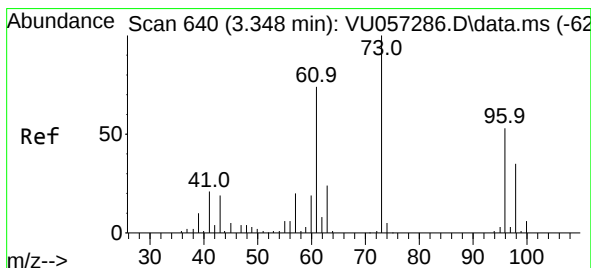
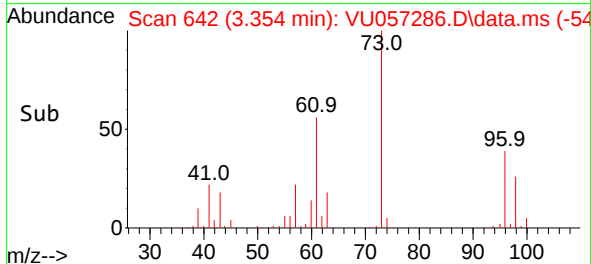
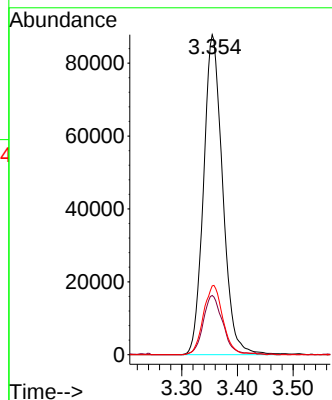
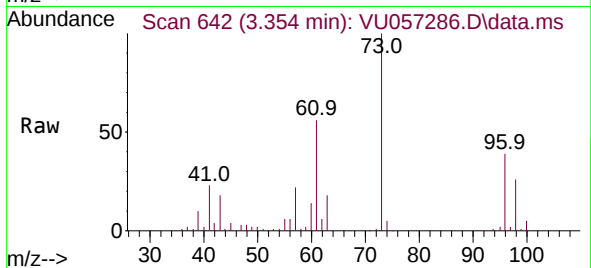
Tgt Ion: 73 Resp: 209265

Ion Ratio Lower Upper

73 100

43 19.0 15.2 22.8

57 22.3 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 4.429 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

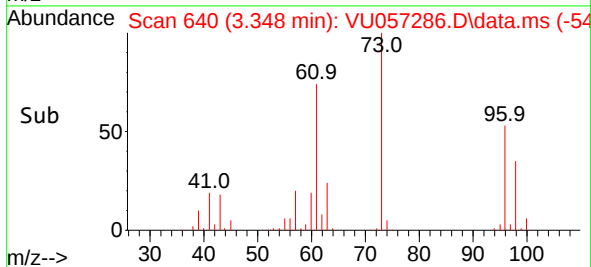
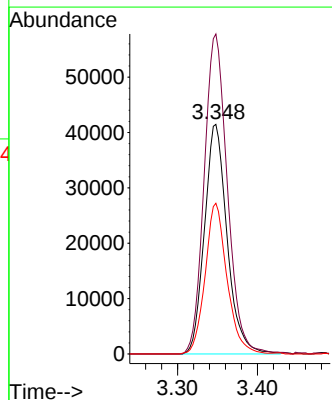
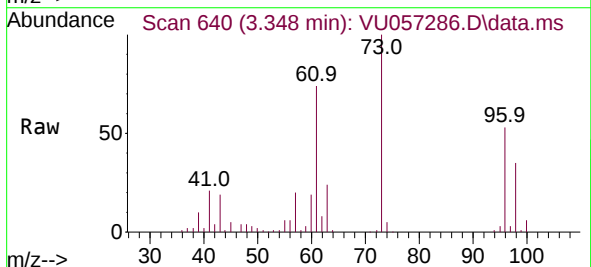
Tgt Ion: 96 Resp: 81872

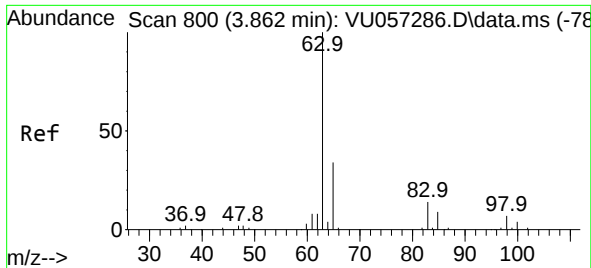
Ion Ratio Lower Upper

96 100

61 139.3 97.5 181.1

98 65.6 45.9 85.3

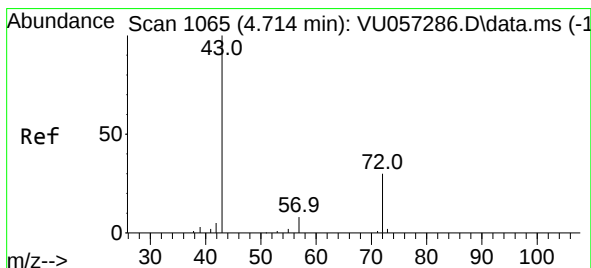
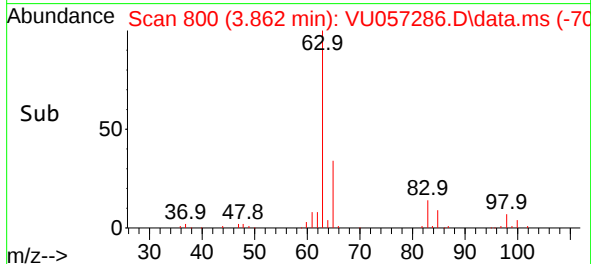
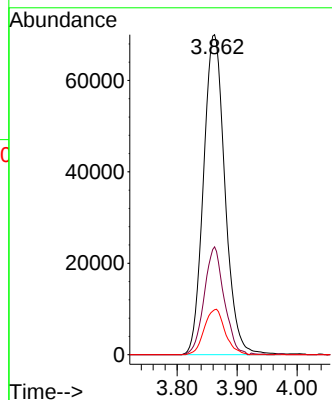
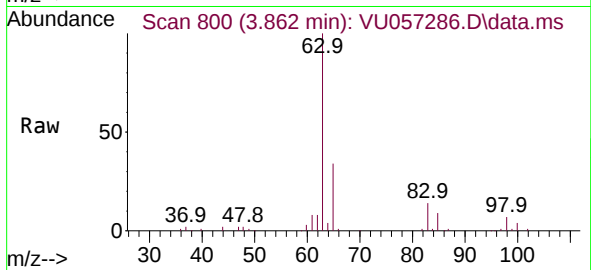




#19
1,1-Dichloroethane
Concen: 4.687 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

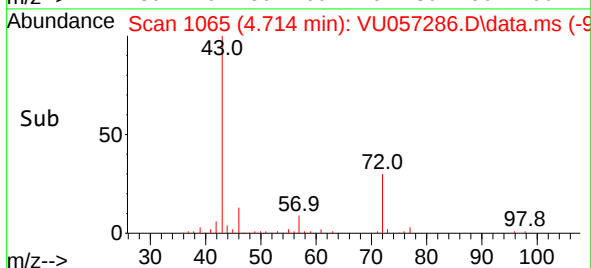
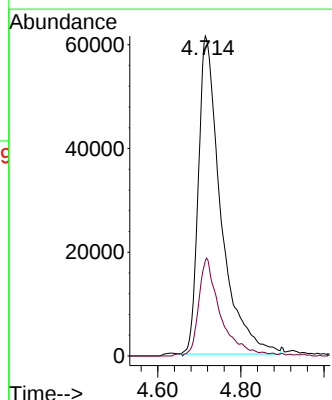
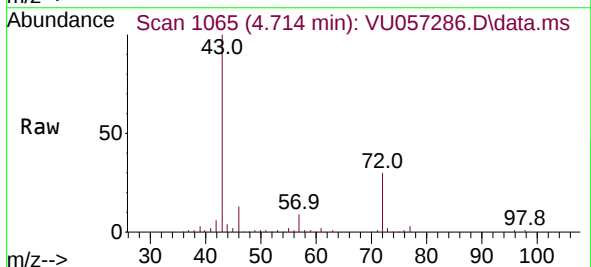
Instrument :
MSVOA_U
ClientSampleId :

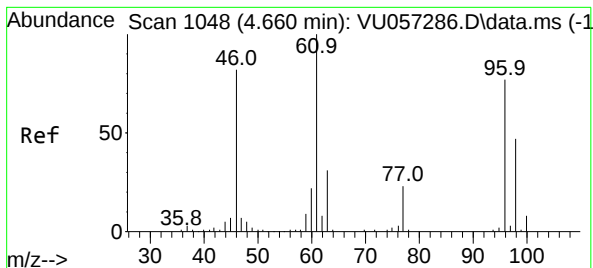
Tgt Ion: 63 Resp: 174321
Ion Ratio Lower Upper
63 100
65 33.7 23.6 43.8
83 14.0 9.8 18.2



#21
2-Butanone
Concen: 60.124 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

Tgt Ion: 43 Resp: 230029
Ion Ratio Lower Upper
43 100
72 28.6 14.3 42.9





#22

cis-1,2-Dichloroethene

Concen: 4.575 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Instrument :

MSVOA_U

ClientSampleId :

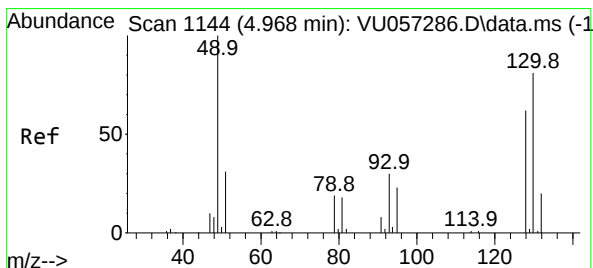
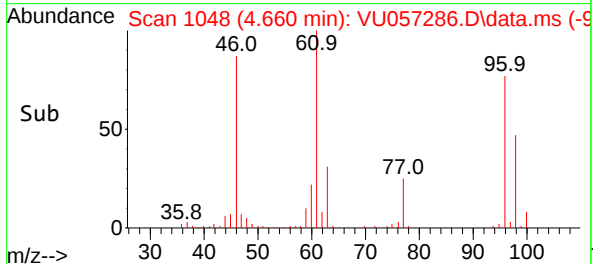
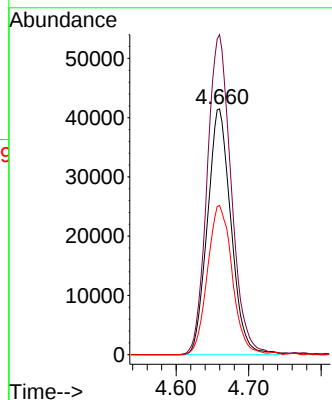
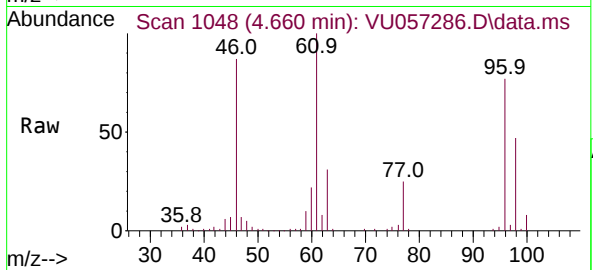
Tgt Ion: 96 Resp: 93709

Ion Ratio Lower Upper

96 100

61 130.2 91.1 169.3

98 60.8 42.6 79.0



#23

Bromochloromethane

Concen: 4.644 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Tgt Ion: 128 Resp: 41972

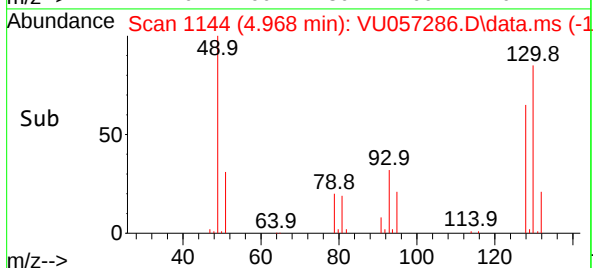
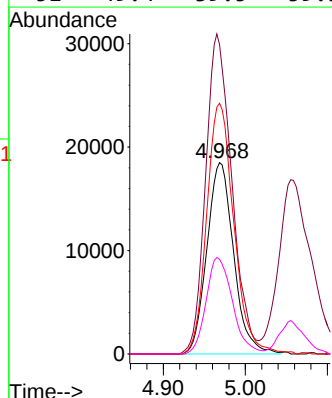
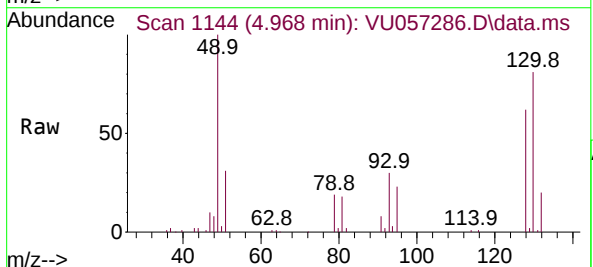
Ion Ratio Lower Upper

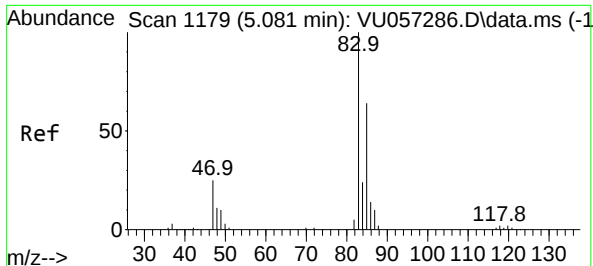
128 100

49 161.6 113.1 210.1

130 130.9 91.6 170.2

51 49.4 39.5 59.3





#25

Chloroform

Concen: 4.426 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Instrument :

MSVOA_U

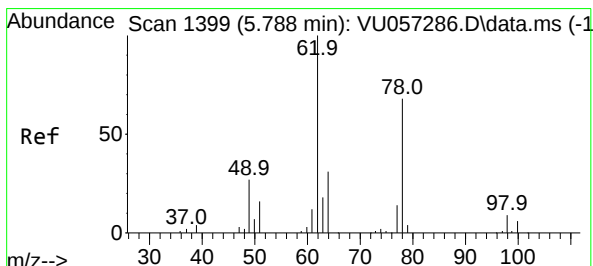
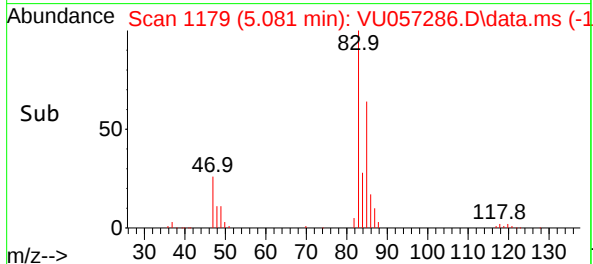
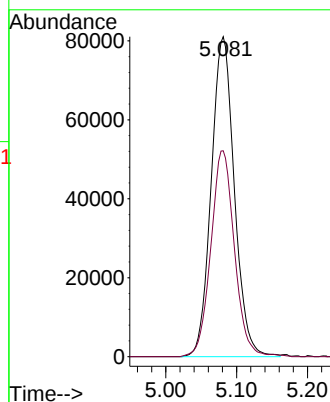
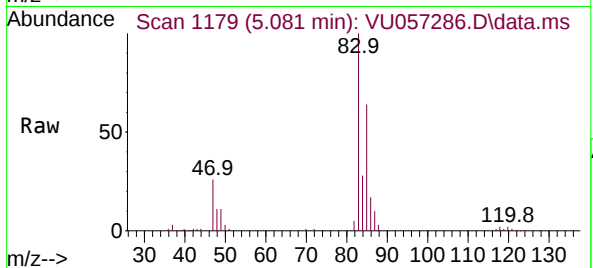
ClientSampleId :

Tgt Ion: 83 Resp: 183721

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7



#27

1,2-Dichloroethane

Concen: 4.601 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU057286.D

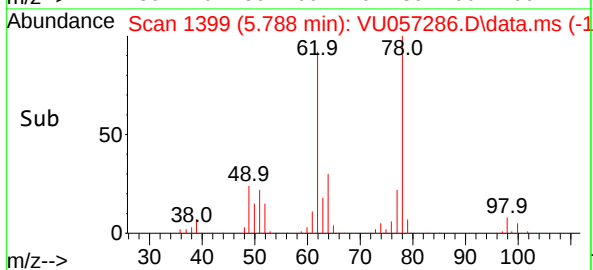
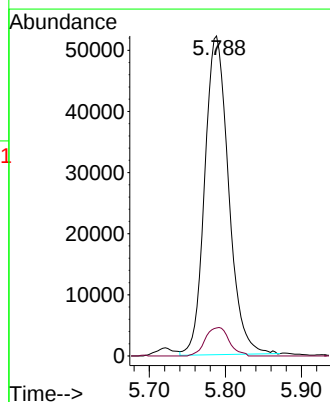
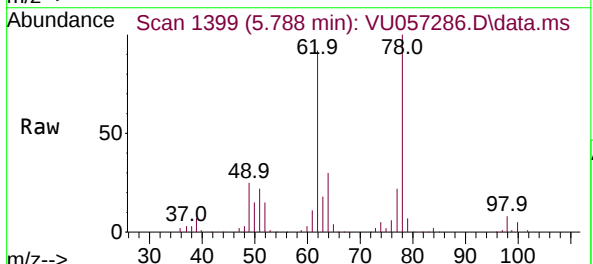
Acq: 27 Dec 2023 17:25

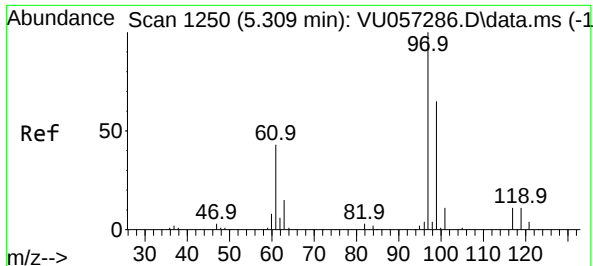
Tgt Ion: 62 Resp: 113520

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 4.082 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Instrument :

MSVOA_U

ClientSampleId :

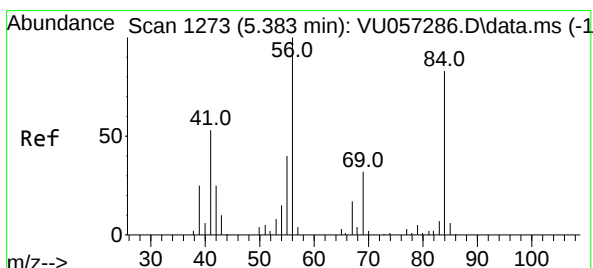
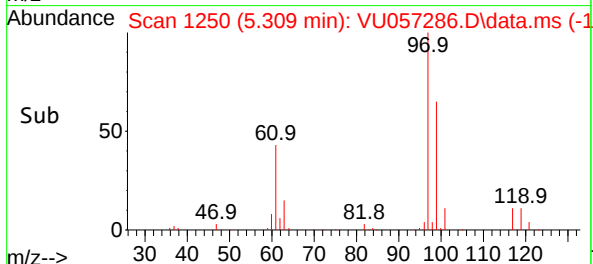
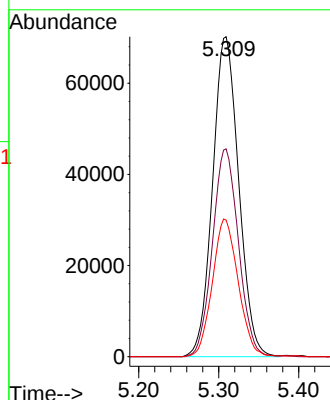
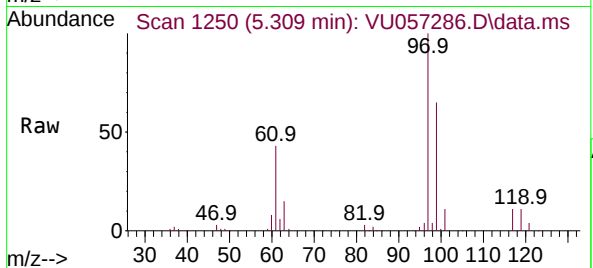
Tgt Ion: 97 Resp: 159270

Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 42.6 34.1 51.1



#30

Cyclohexane

Concen: 4.473 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

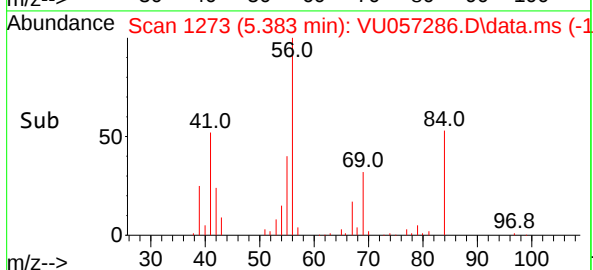
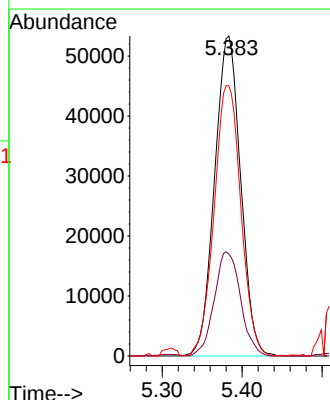
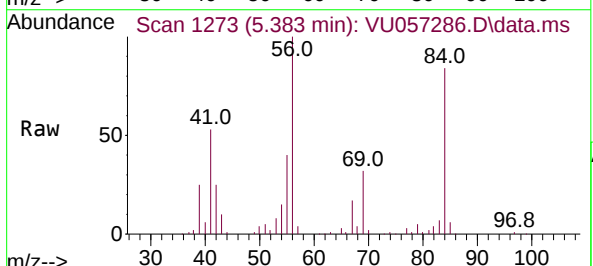
Tgt Ion: 56 Resp: 120486

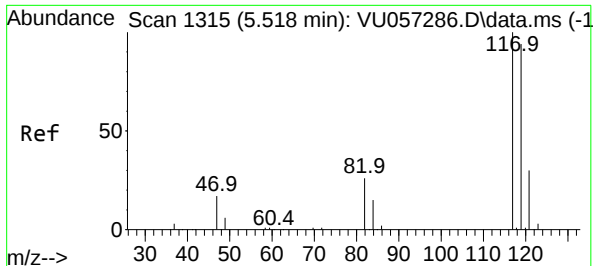
Ion Ratio Lower Upper

56 100

69 32.8 26.2 39.4

84 86.8 69.4 104.2

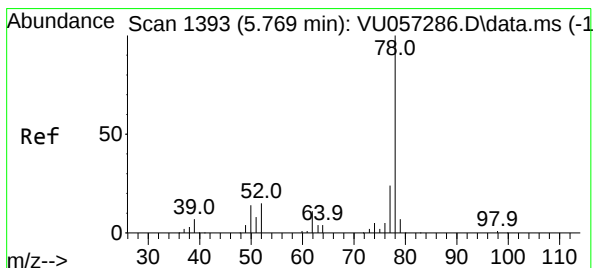
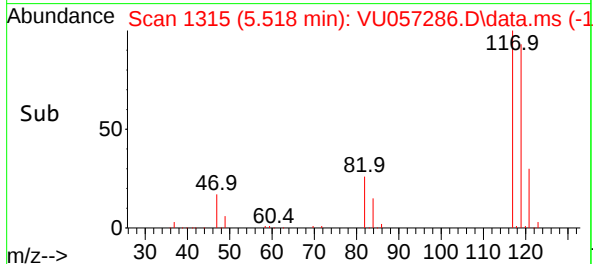
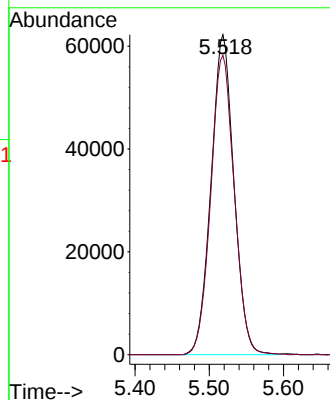
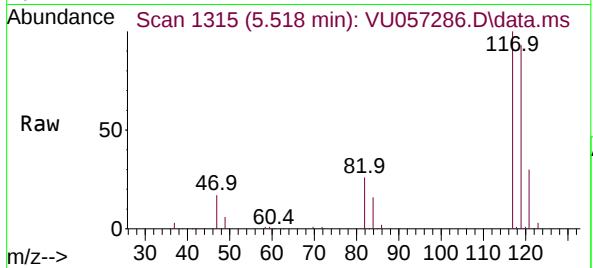




#31
Carbon tetrachloride
Concen: 3.906 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

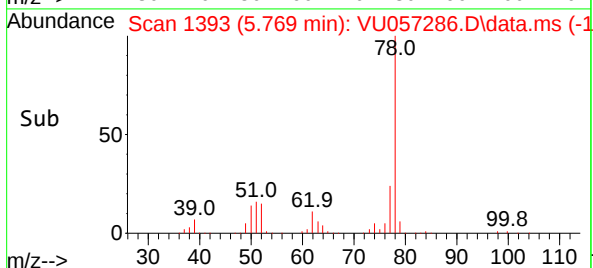
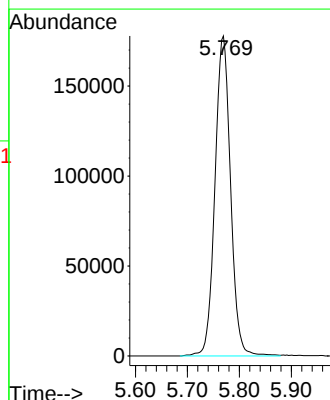
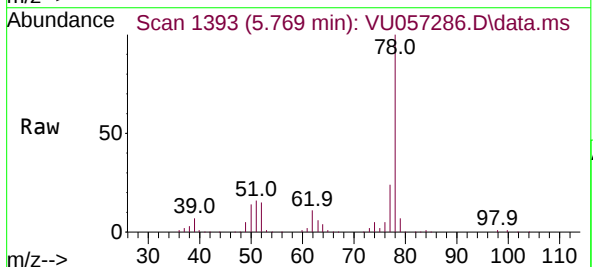
Instrument :
MSVOA_U
ClientSampleId :

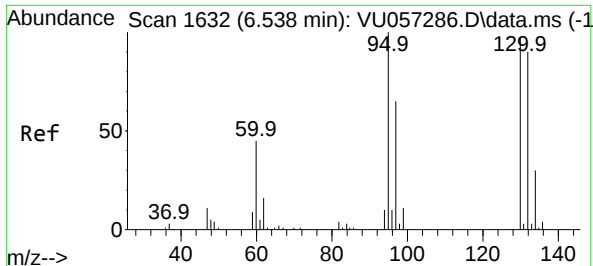
Tgt Ion:117 Resp: 133197
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1



#33
Benzene
Concen: 4.636 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

Tgt Ion: 78 Resp: 370722

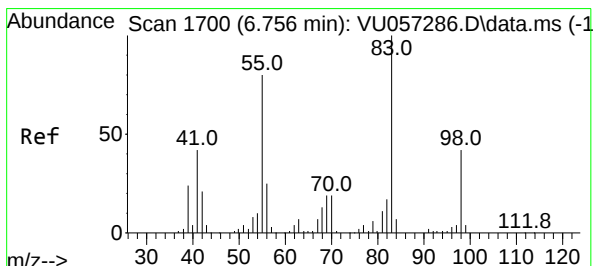
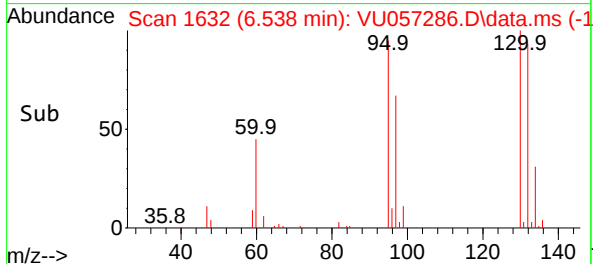
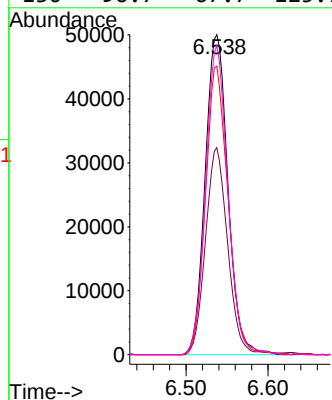
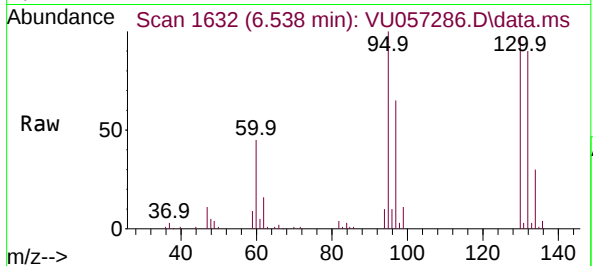




#34
Trichloroethene
Concen: 4.193 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

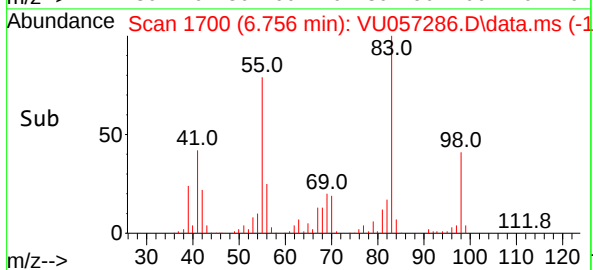
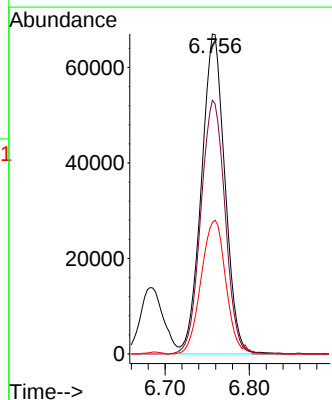
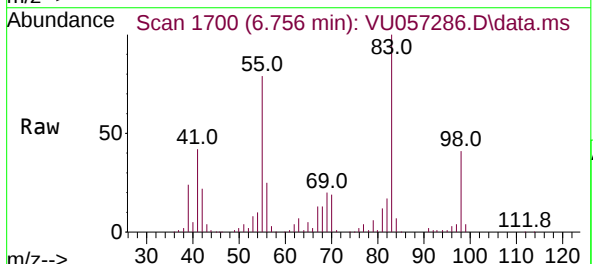
Instrument :
MSVOA_U
ClientSampleId :

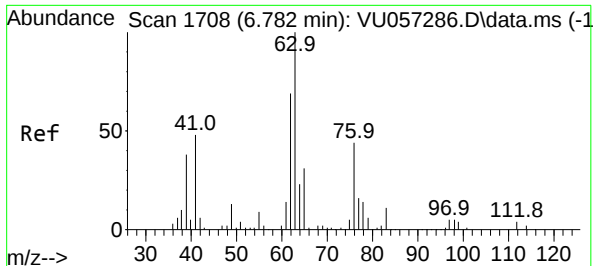
Tgt Ion: 95 Resp: 96749
Ion Ratio Lower Upper
95 100
97 64.7 45.3 84.1
132 90.2 63.1 117.3
130 96.7 67.7 125.7



#35
Methylcyclohexane
Concen: 4.292 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

Tgt Ion: 83 Resp: 129628
Ion Ratio Lower Upper
83 100
55 81.8 65.4 98.2
98 44.1 35.3 52.9

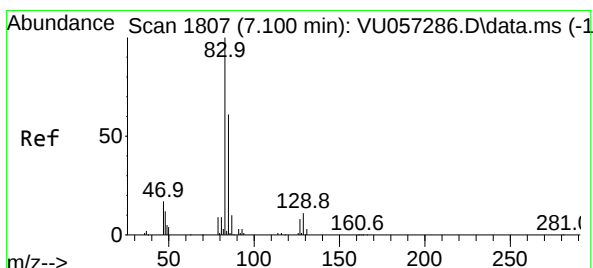
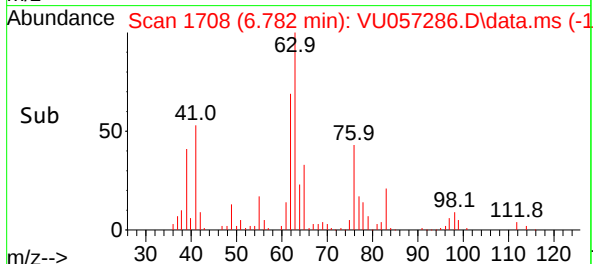
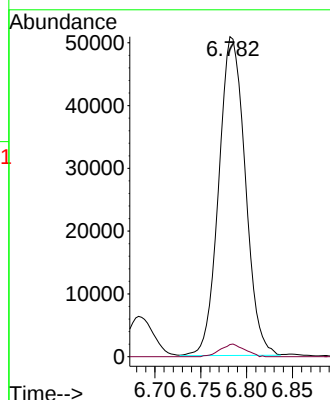
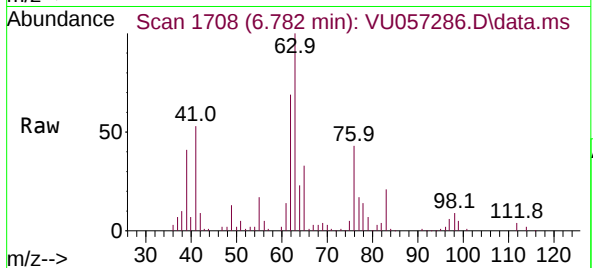




#37
1,2-Dichloropropane
Concen: 5.034 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

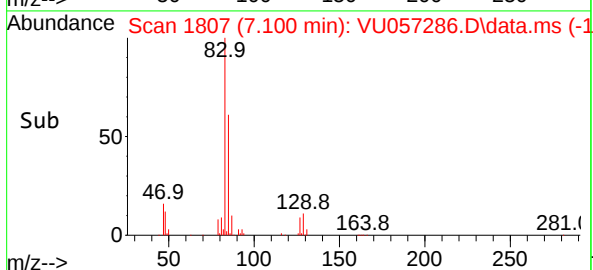
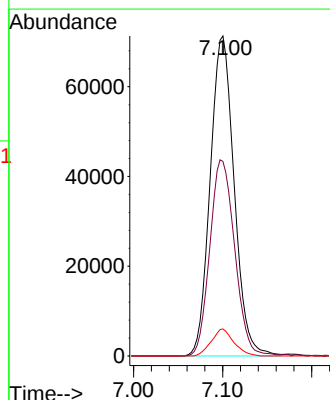
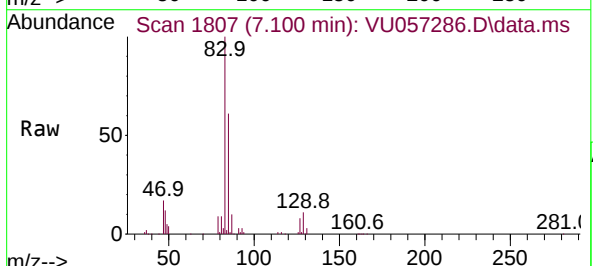
Instrument :
MSVOA_U
ClientSampleId :

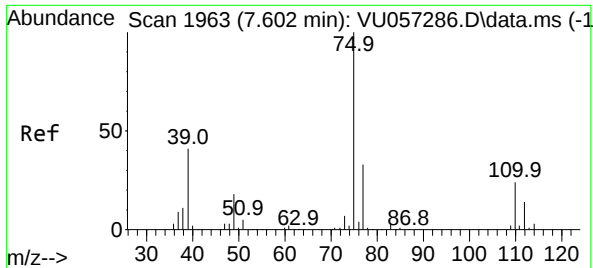
Tgt Ion: 63 Resp: 102094
Ion Ratio Lower Upper
63 100
112 3.6 2.9 4.3



#38
Bromodichloromethane
Concen: 4.617 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

Tgt Ion: 83 Resp: 133223
Ion Ratio Lower Upper
83 100
85 60.8 42.6 79.0
127 8.5 6.8 10.2

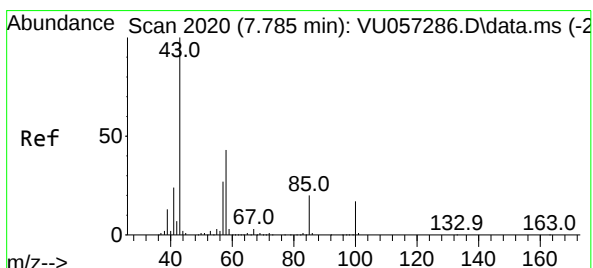
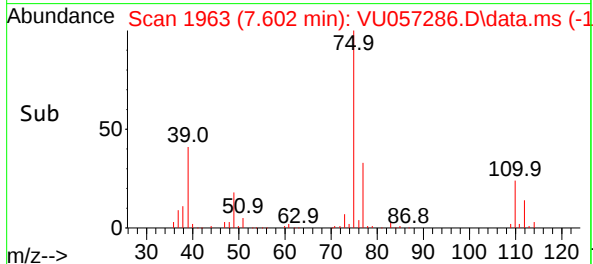
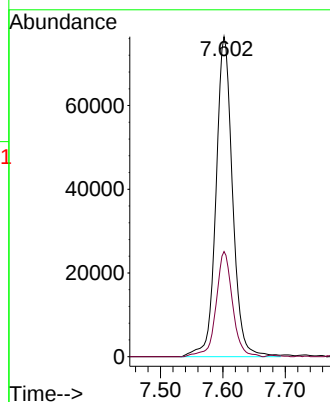
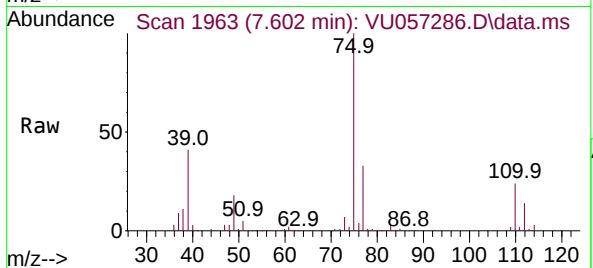




#39
 cis-1,3-Dichloropropene
 Concen: 4.675 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU057286.D
 Acq: 27 Dec 2023 17:25

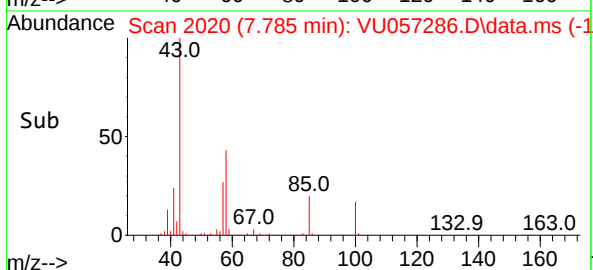
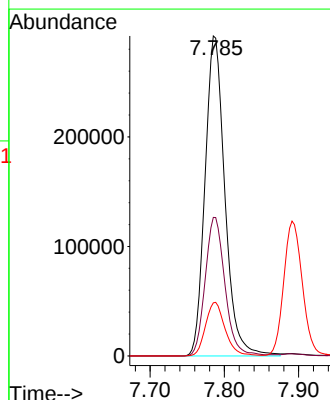
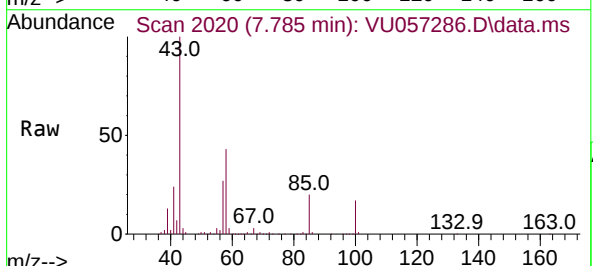
Instrument :
 MSVOA_U
 ClientSampleId :

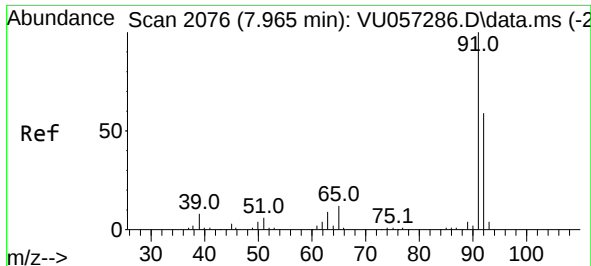
Tgt Ion: 75 Resp: 141039
 Ion Ratio Lower Upper
 75 100
 77 32.9 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 58.994 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: VU057286.D
 Acq: 27 Dec 2023 17:25

Tgt Ion: 43 Resp: 543067
 Ion Ratio Lower Upper
 43 100
 58 43.0 34.4 51.6
 100 16.5 13.2 19.8





#42

Toluene

Concen: 4.555 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Instrument :

MSVOA_U

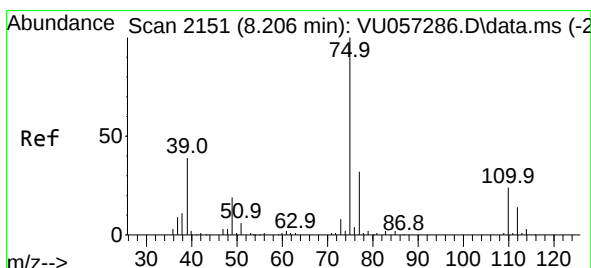
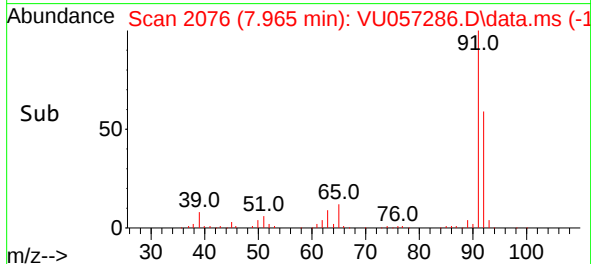
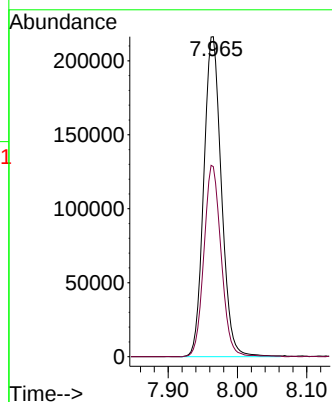
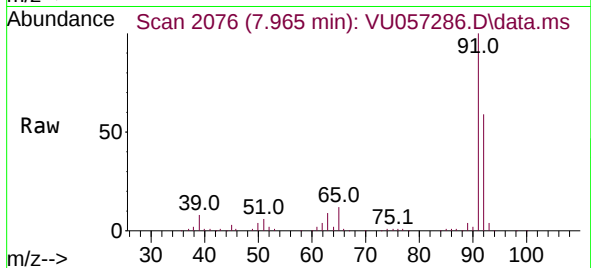
ClientSampleId :

Tgt Ion: 91 Resp: 382358

Ion Ratio Lower Upper

91 100

92 59.4 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 4.771 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU057286.D

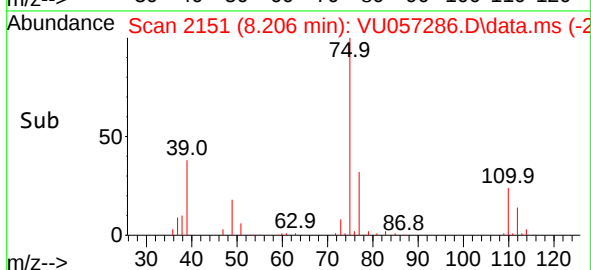
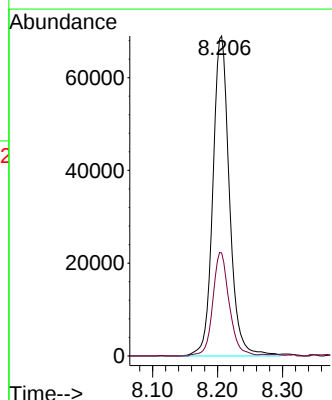
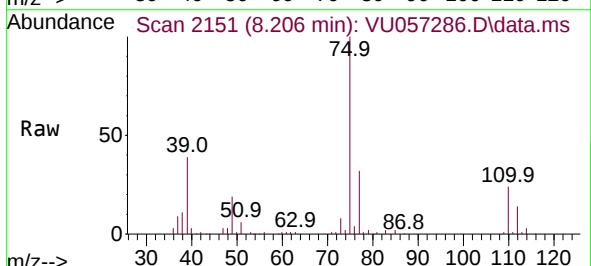
Acq: 27 Dec 2023 17:25

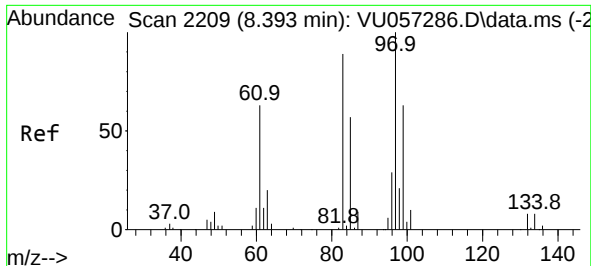
Tgt Ion: 75 Resp: 122619

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 5.235 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 74457

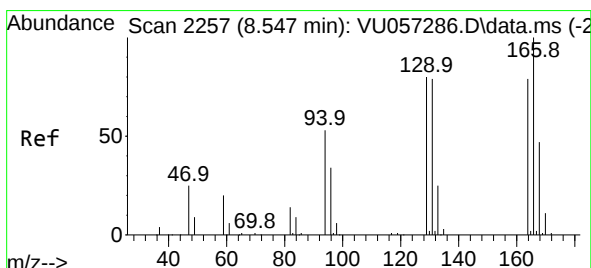
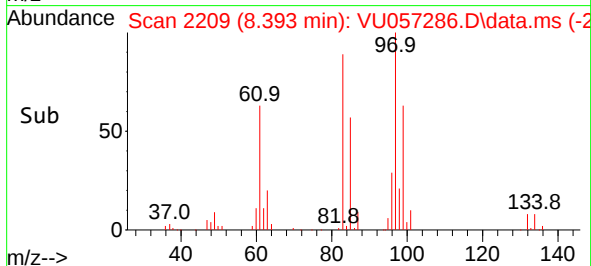
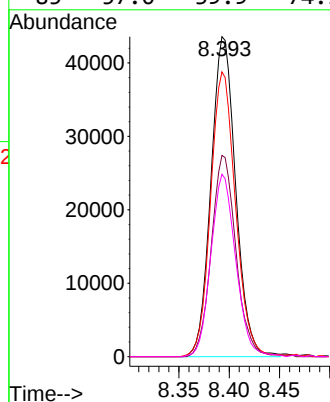
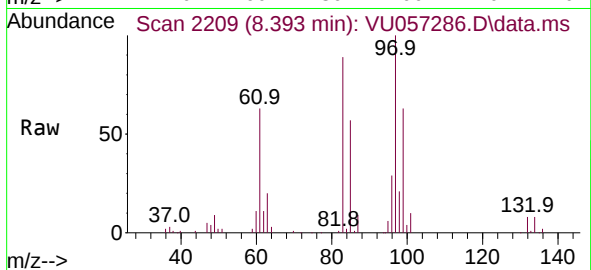
Ion Ratio Lower Upper

97 100

99 62.9 44.0 81.8

83 89.0 62.3 115.7

85 57.0 39.9 74.1



#47

Tetrachloroethene

Concen: 4.165 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Tgt Ion:164 Resp: 68483

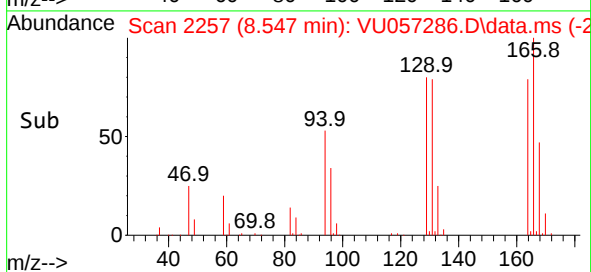
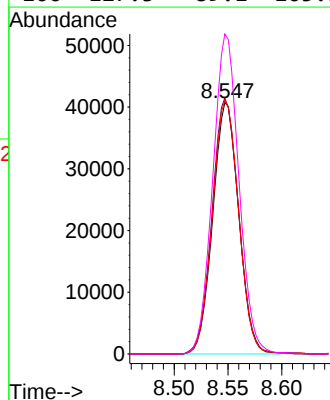
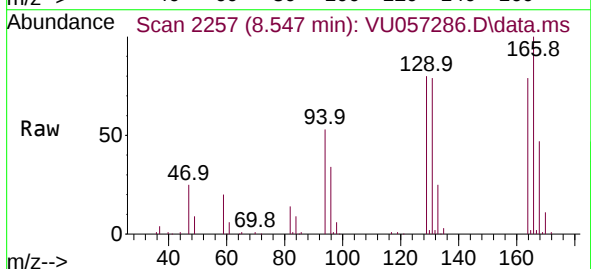
Ion Ratio Lower Upper

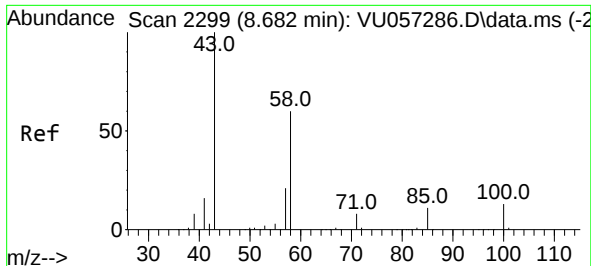
164 100

129 101.9 71.3 132.5

131 101.0 70.7 131.3

166 127.3 89.1 165.5



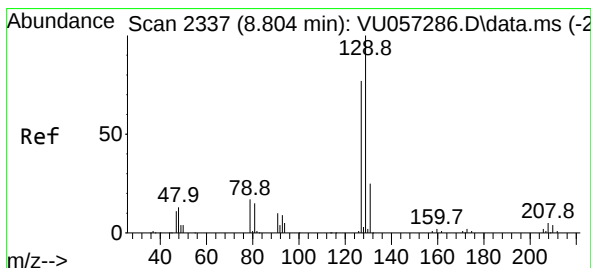
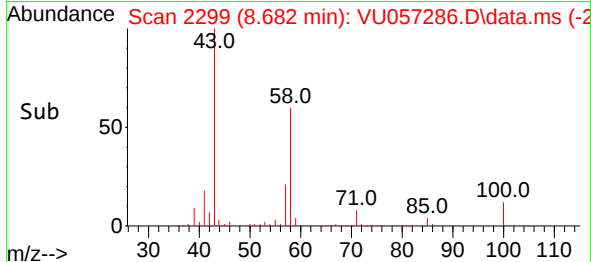
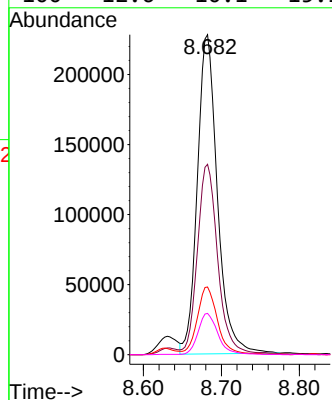
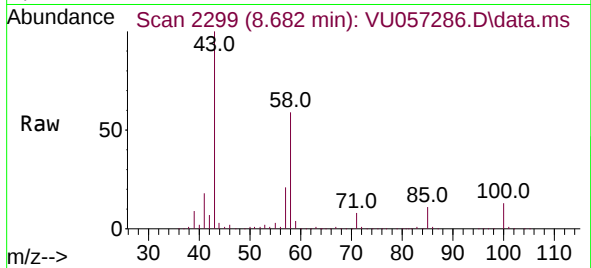


#48
2-Hexanone
Concen: 59.979 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 408222

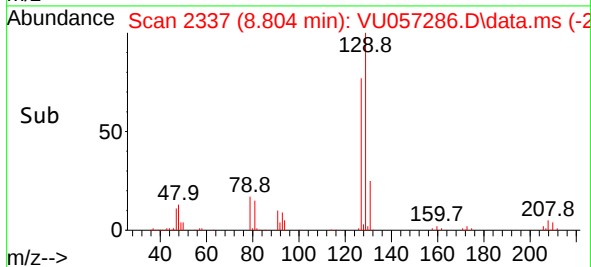
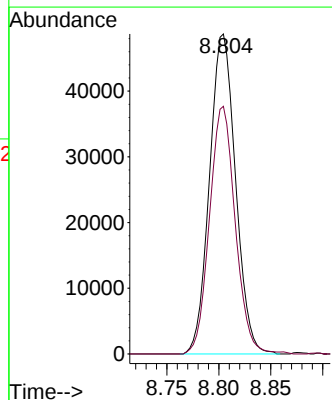
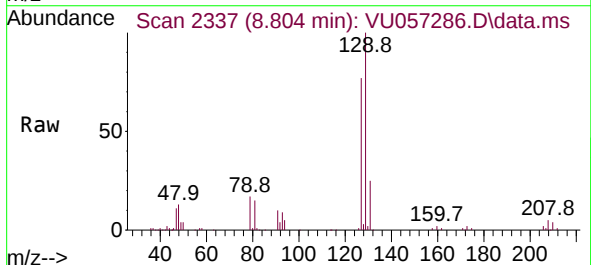
Ion	Ratio	Lower	Upper
43	100		
58	60.5	48.4	72.6
57	21.8	17.4	26.2
100	12.6	10.1	15.1

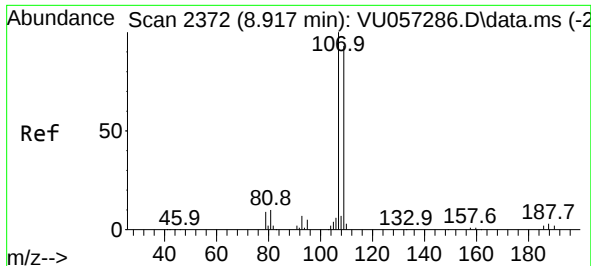


#49
Dibromochloromethane
Concen: 4.725 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

Tgt Ion: 129 Resp: 84868

Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.2	100.6





#50

1,2-Dibromoethane

Concen: 5.052 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Instrument :

MSVOA_U

ClientSampleId :

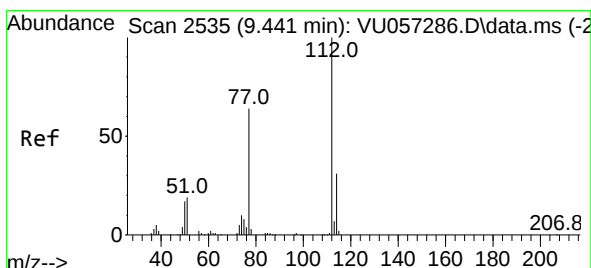
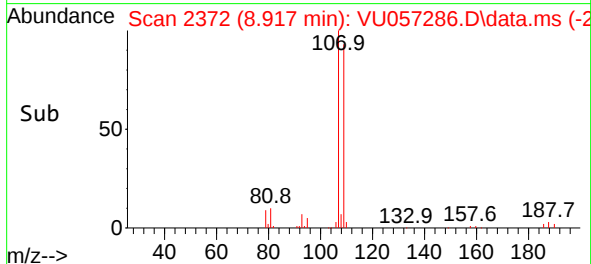
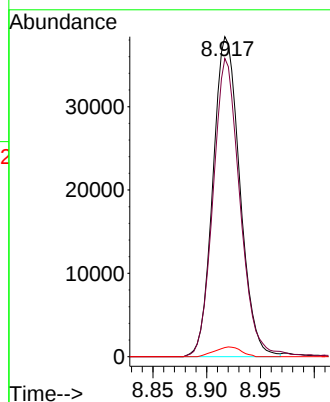
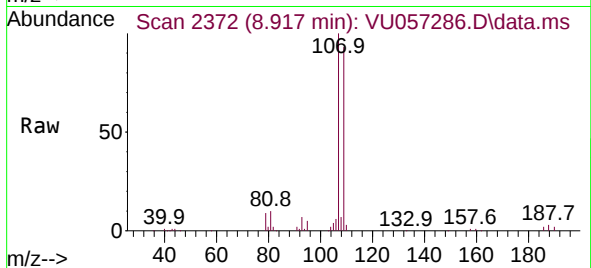
Tgt Ion:107 Resp: 66779

Ion Ratio Lower Upper

107 100

109 93.2 65.2 121.2

188 2.9 2.3 3.5



#51

Chlorobenzene

Concen: 4.422 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

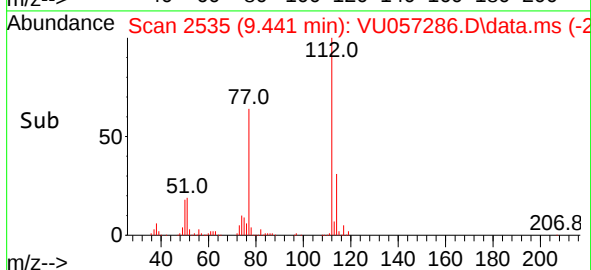
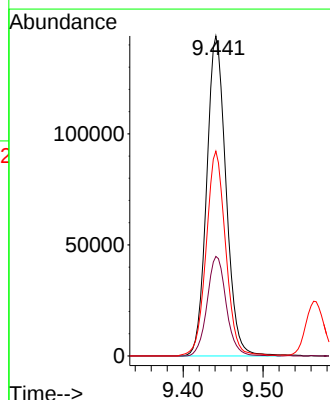
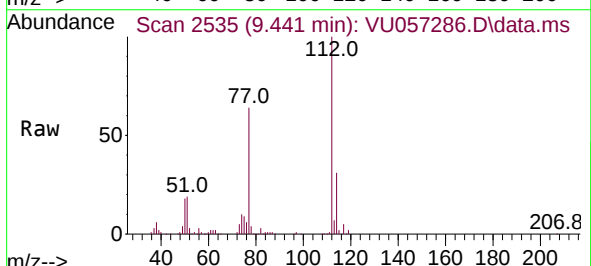
Tgt Ion:112 Resp: 242710

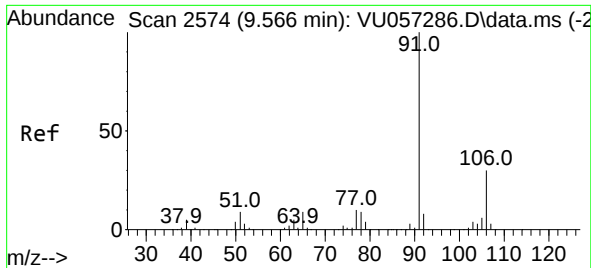
Ion Ratio Lower Upper

112 100

114 31.1 21.8 40.4

77 64.0 51.2 76.8

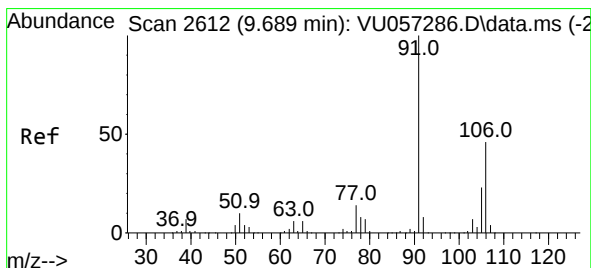
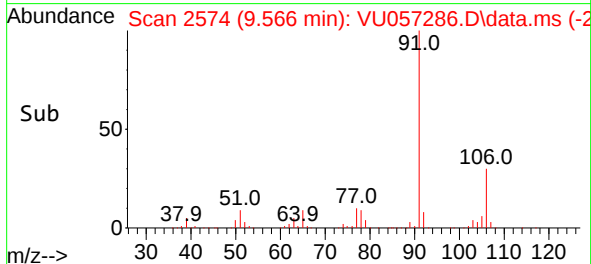
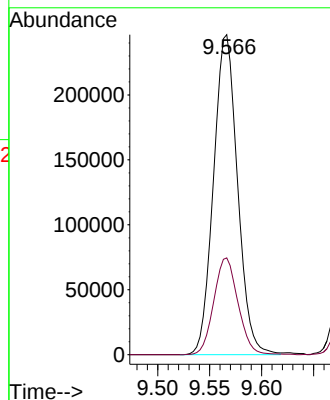
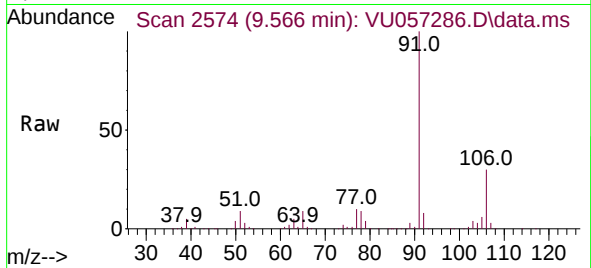




#52
Ethylbenzene
Concen: 4.225 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

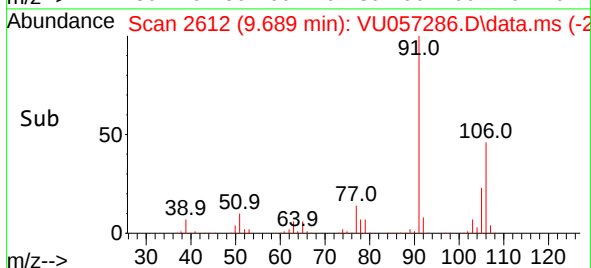
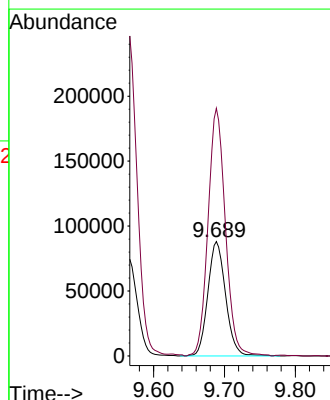
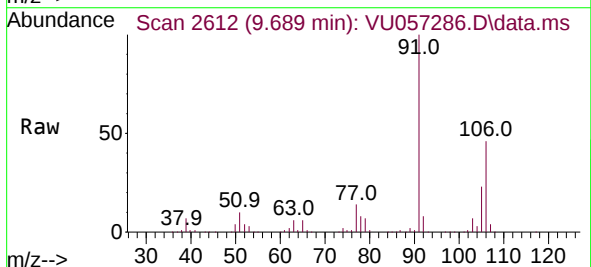
Instrument :
MSVOA_U
ClientSampleId :

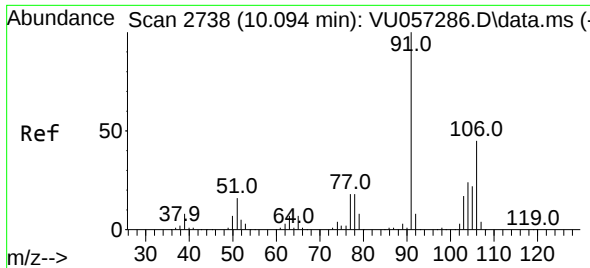
Tgt Ion: 91 Resp: 396331
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 4.455 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

Tgt Ion:106 Resp: 153074
Ion Ratio Lower Upper
106 100
91 216.5 151.5 281.5

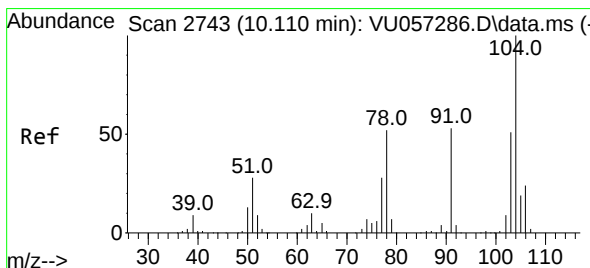
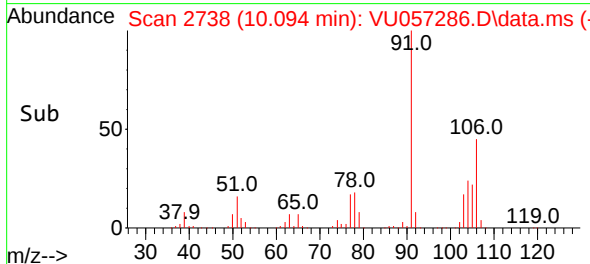
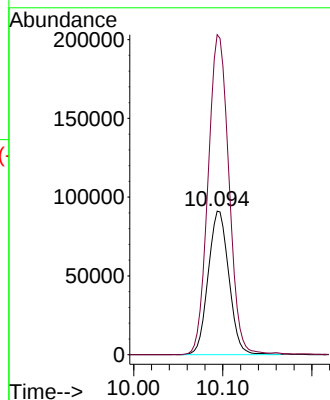
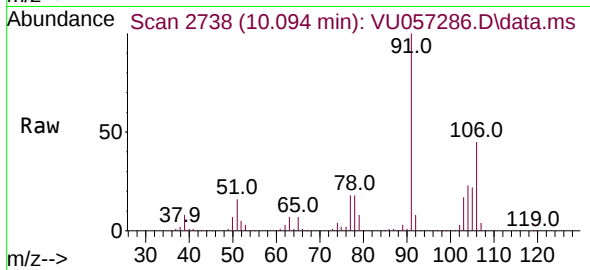




#54
o-Xylene
Concen: 4.425 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

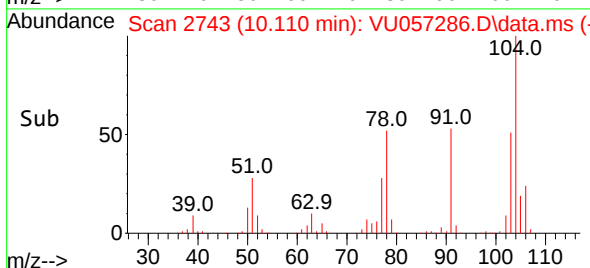
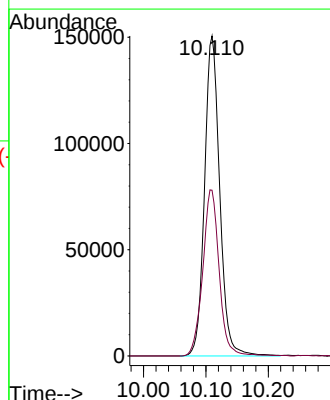
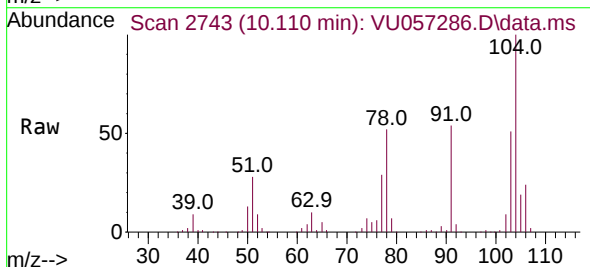
Instrument :
MSVOA_U
ClientSampleId :

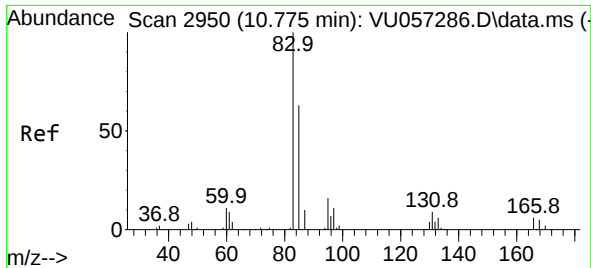
Tgt Ion:106 Resp: 146935
Ion Ratio Lower Upper
106 100
91 222.9 156.0 289.8



#55
Styrene
Concen: 4.653 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

Tgt Ion:104 Resp: 255266
Ion Ratio Lower Upper
104 100
78 51.8 36.3 67.3





#57

1,1,2,2-Tetrachloroethane

Concen: 5.405 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Instrument :

MSVOA_U

ClientSampleId :

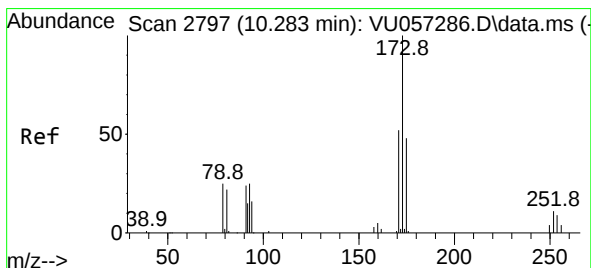
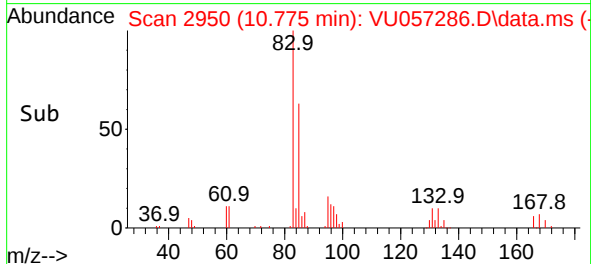
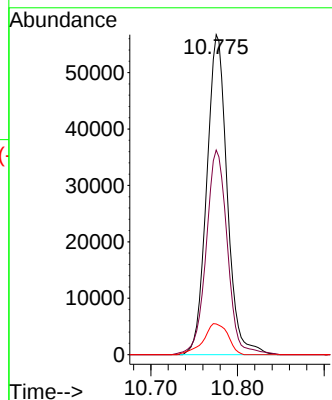
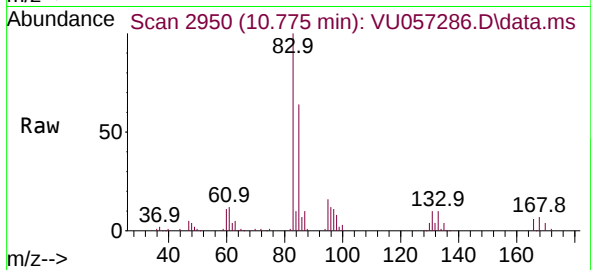
Tgt Ion: 83 Resp: 93026

Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

131 9.6 7.7 11.5



#59

Bromoform

Concen: 4.886 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

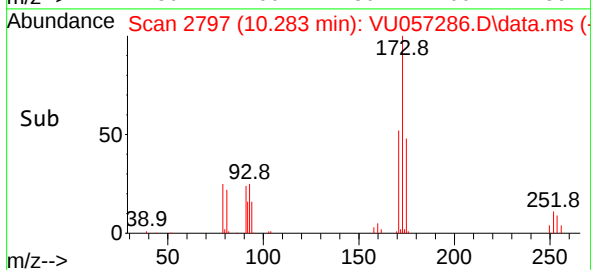
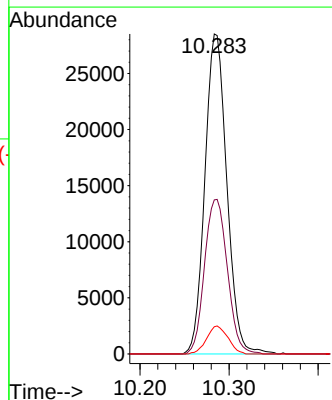
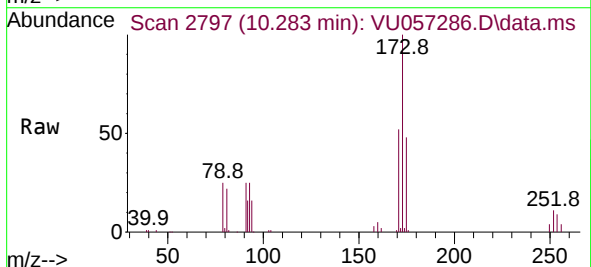
Tgt Ion: 173 Resp: 48780

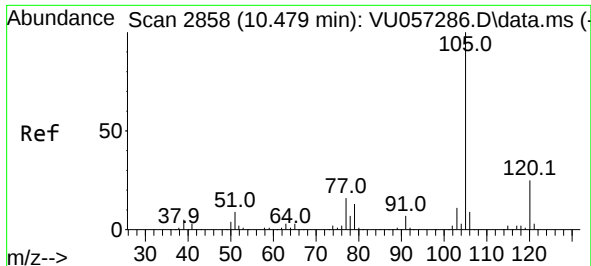
Ion Ratio Lower Upper

173 100

175 50.2 40.2 60.2

254 8.5 6.8 10.2

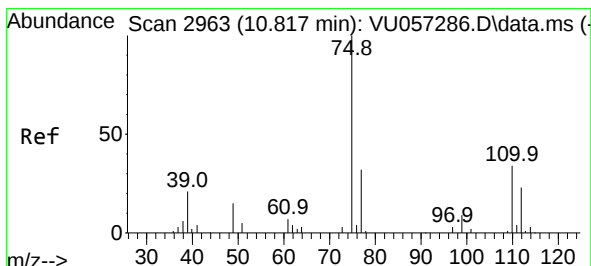
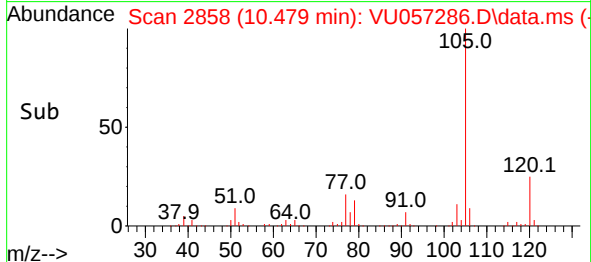
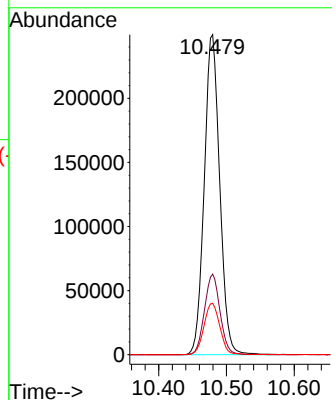
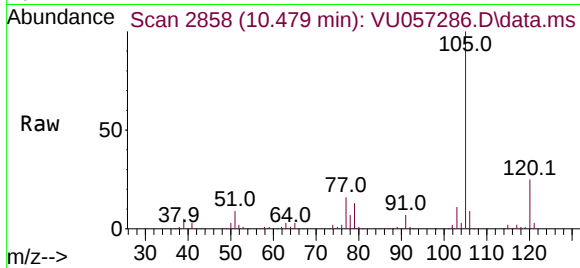




#60
Isopropylbenzene
Concen: 4.294 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

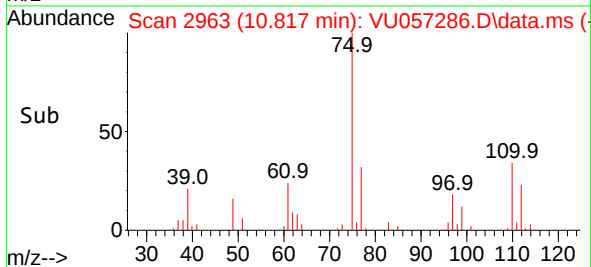
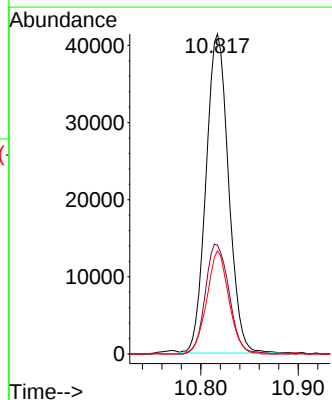
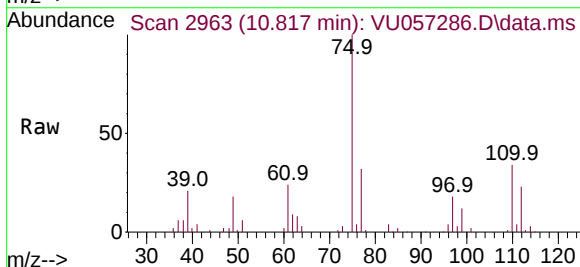
Instrument :
MSVOA_U
ClientSampleId :

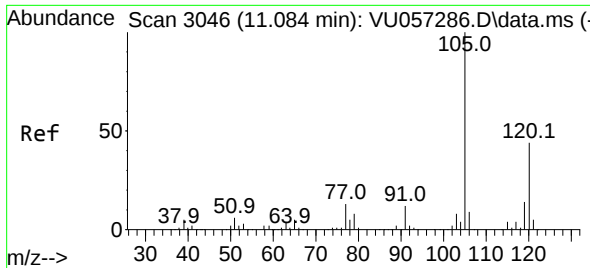
Tgt Ion:105 Resp: 395601
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.4
77 16.5 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.336 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

Tgt Ion: 75 Resp: 66426
Ion Ratio Lower Upper
75 100
110 36.3 29.0 43.6
77 31.8 25.4 38.2

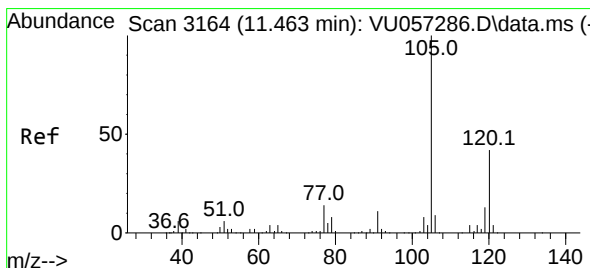
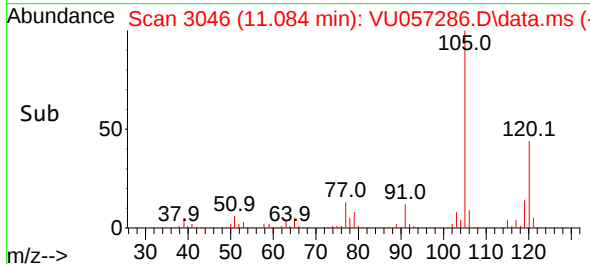
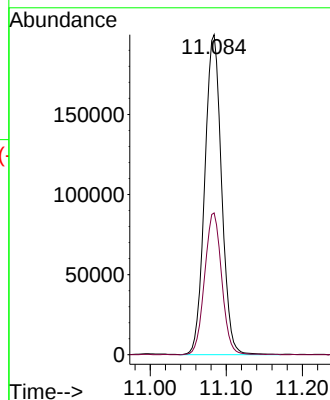
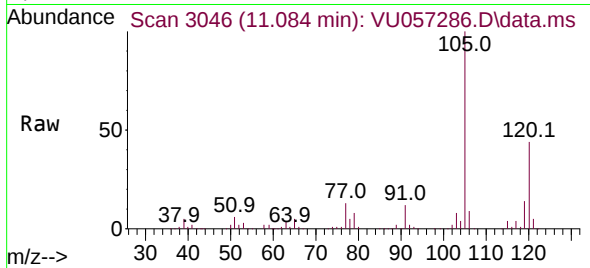




#62
 1,3,5-Trimethylbenzene
 Concen: 4.087 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU057286.D
 Acq: 27 Dec 2023 17:25

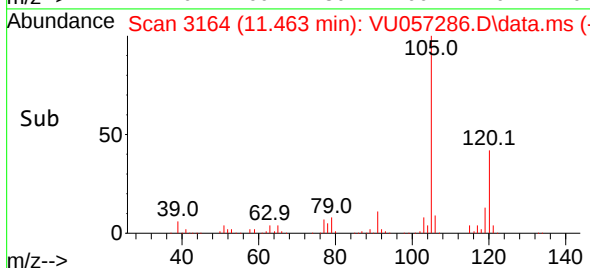
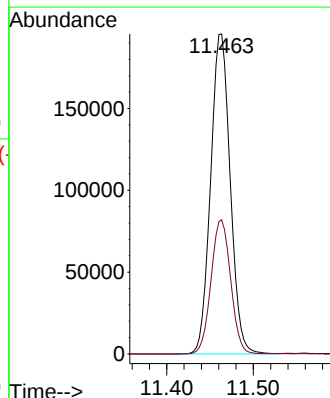
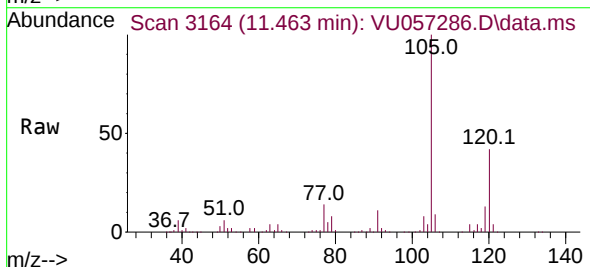
Instrument :
 MSVOA_U
 ClientSampleId :

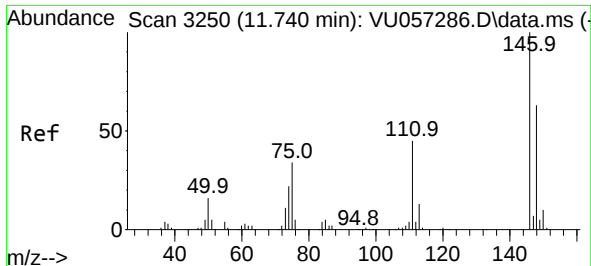
Tgt Ion:105 Resp: 307310
 Ion Ratio Lower Upper
 105 100
 120 45.0 36.0 54.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.147 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU057286.D
 Acq: 27 Dec 2023 17:25

Tgt Ion:105 Resp: 307492
 Ion Ratio Lower Upper
 105 100
 120 41.9 33.5 50.3

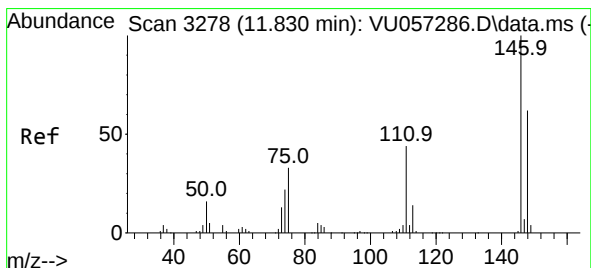
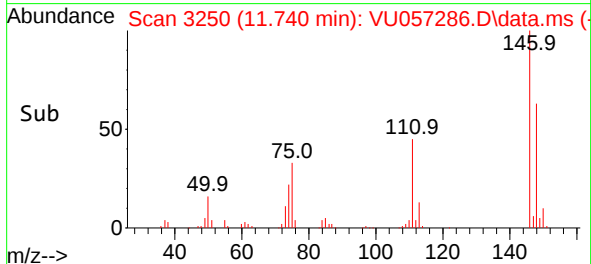
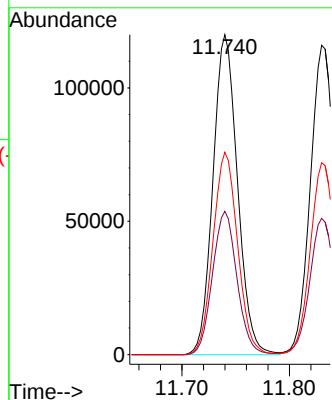
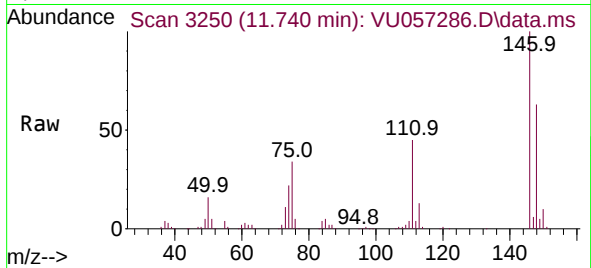




#64
1,3-Dichlorobenzene
Concen: 4.329 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

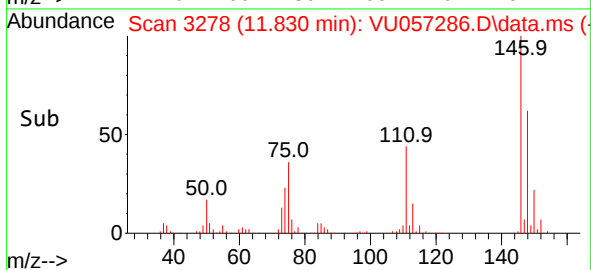
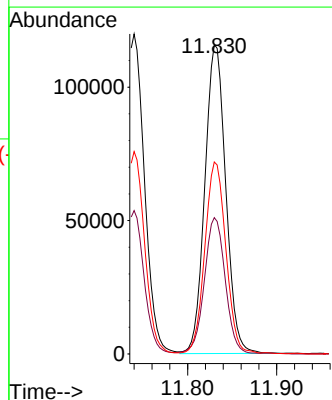
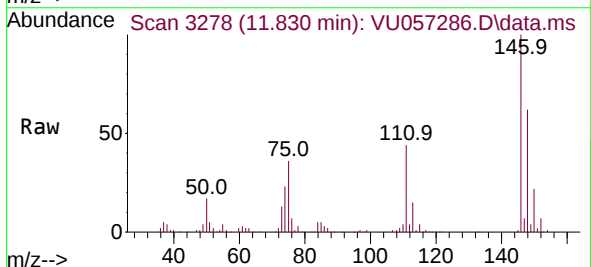
Instrument :
MSVOA_U
ClientSampleId :

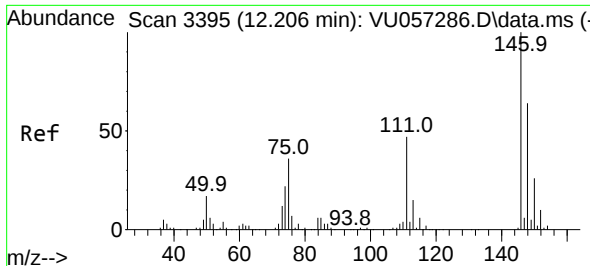
Tgt Ion:146 Resp: 190434
Ion Ratio Lower Upper
146 100
111 44.8 31.4 58.2
148 63.3 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.259 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU057286.D
Acq: 27 Dec 2023 17:25

Tgt Ion:146 Resp: 188368
Ion Ratio Lower Upper
146 100
111 44.1 30.9 57.3
148 62.0 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 4.485 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Instrument :

MSVOA_U

ClientSampleId :

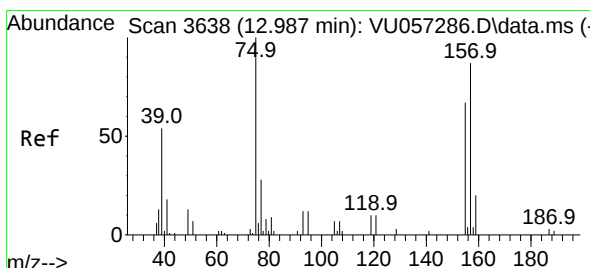
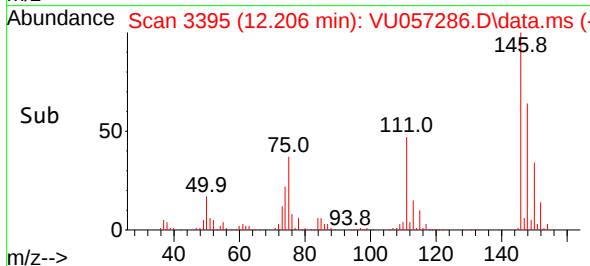
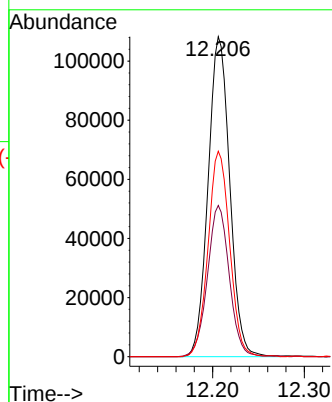
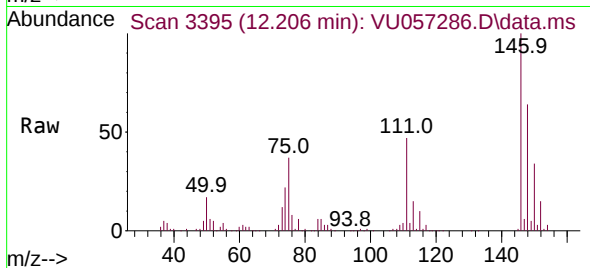
Tgt Ion:146 Resp: 177718

Ion Ratio Lower Upper

146 100

111 47.3 37.8 56.8

148 64.2 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.096 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

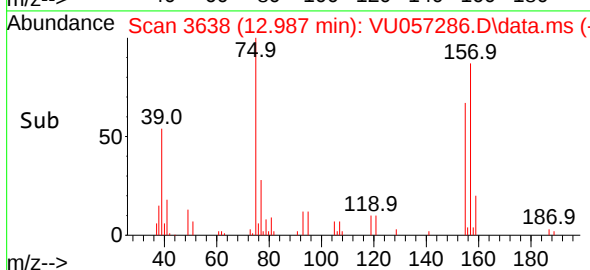
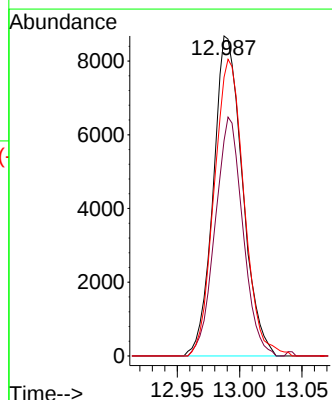
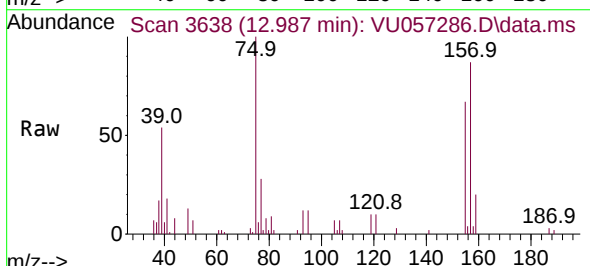
Tgt Ion: 75 Resp: 14127

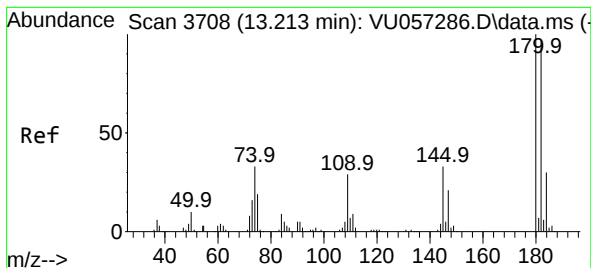
Ion Ratio Lower Upper

75 100

155 67.3 53.8 80.8

157 87.1 69.7 104.5





#69

1,3,5-Trichlorobenzene

Concen: 4.037 ug/L

RT: 13.213 min Scan# 3708

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 131028

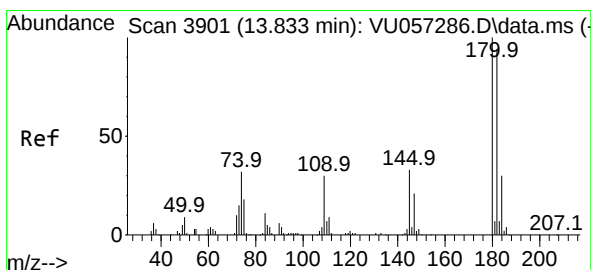
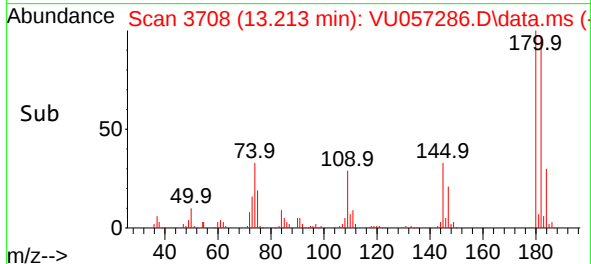
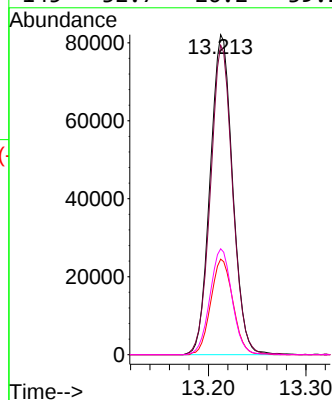
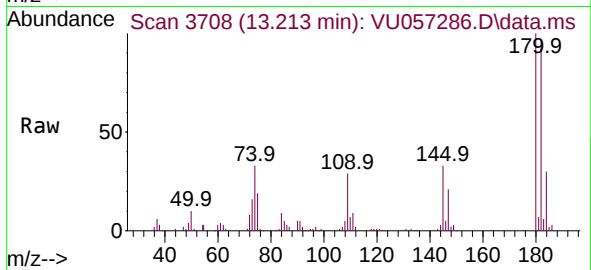
Ion Ratio Lower Upper

180 100

182 95.4 76.3 114.5

184 29.5 23.6 35.4

145 32.7 26.2 39.2



#70

1,2,4-trichlorobenzene

Concen: 4.015 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU057286.D

Acq: 27 Dec 2023 17:25

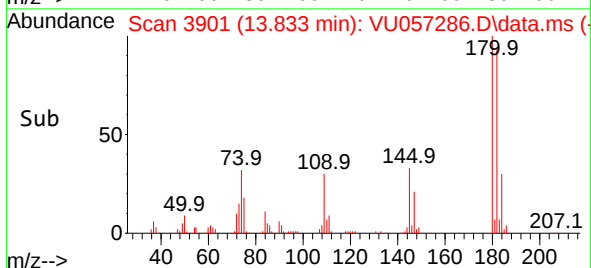
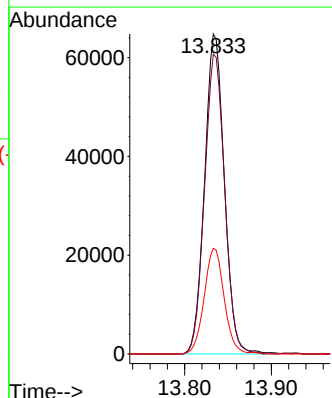
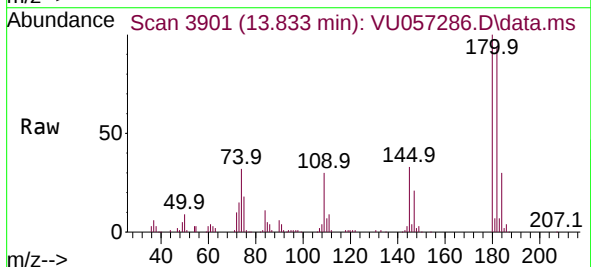
Tgt Ion:180 Resp: 102690

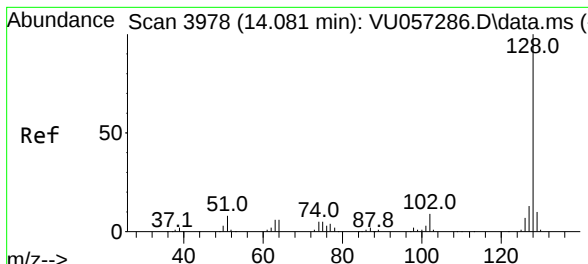
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

145 33.4 26.7 40.1

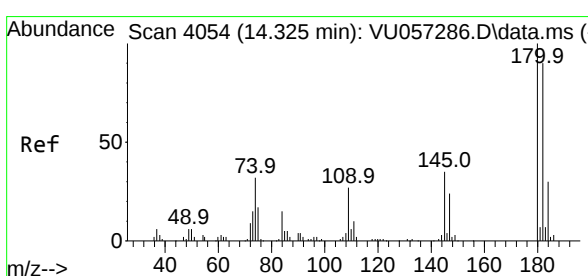
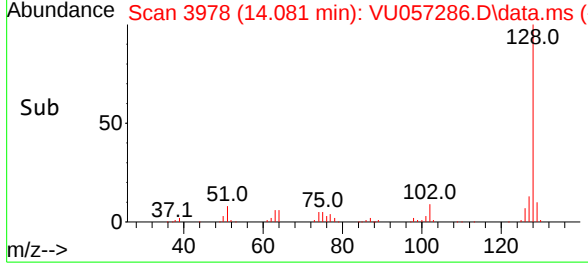
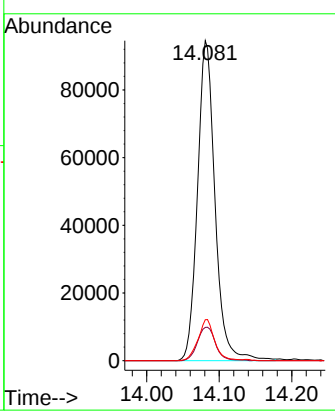
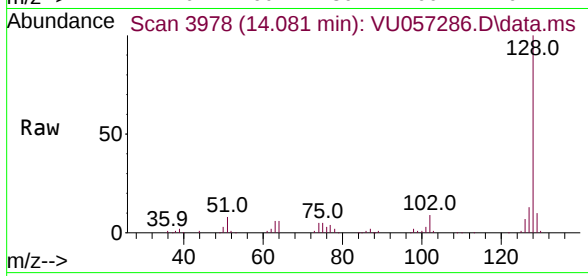




#71
 Naphthalene
 Concen: 4.754 ug/L
 RT: 14.081 min Scan# 3978
 Delta R.T. 0.000 min
 Lab File: VU057286.D
 Acq: 27 Dec 2023 17:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:	128	Resp:	158801
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	12.2	9.8	14.6



#72
 1,2,3-Trichlorobenzene
 Concen: 4.506 ug/L
 RT: 14.325 min Scan# 4054
 Delta R.T. 0.000 min
 Lab File: VU057286.D
 Acq: 27 Dec 2023 17:25

Tgt Ion:	180	Resp:	91792
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
145	35.0	28.0	42.0

