

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057132.D
 Acq On : 21 Dec 2023 12:39
 Operator : MD/SY
 Sample : VSTD010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 23:06:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:04:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	174243	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	167128	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	88864	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	171216	11.155	ug/L	0.00
7) Chloroethane-d5	1.911	69	144113	12.333	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	77963	11.782	ug/L	0.00
20) 2-Butanone-d5	4.618	46	279210	96.853	ug/L	0.00
24) Chloroform-d	5.055	84	332922	11.385	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	159343	11.525	ug/L	0.00
32) Benzene-d6	5.721	84	606778	11.432	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	169137	10.323	ug/L	0.00
41) Toluene-d8	7.891	98	572526	11.936	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	73305	11.431	ug/L	0.00
46) 2-Hexanone-d5	8.627	63	268562	112.388	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	121269	10.252	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	189138	10.592	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	163281	9.063	ug/L	100
3) Chloromethane	1.518	50	128420	7.500	ug/L	99
5) Vinyl chloride	1.602	62	153620	8.832	ug/L	99
6) Bromomethane	1.856	94	63908	6.559	ug/L	95
8) Chloroethane	1.933	64	97324	9.449	ug/L	99
9) Trichlorofluoromethane	2.136	101	280219	10.849	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	145577	9.527	ug/L	99
12) 1,1-Dichloroethene	2.576	96	126254	9.061	ug/L	97
13) Acetone	2.634	43	159981	90.818	ug/L	97
14) Carbon disulfide	2.788	76	372310	7.879	ug/L	100
15) Methyl Acetate	2.949	43	37906	8.086	ug/L	99
16) Methylene chloride	3.039	84	132709	8.744	ug/L	98
17) Methyl tert-butyl Ether	3.351	73	287792	9.356	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	128230	9.085	ug/L	99
19) 1,1-Dichloroethane	3.862	63	252747	9.269	ug/L	99
21) 2-Butanone	4.698	43	242643	83.558	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	145030	9.411	ug/L	97
23) Bromochloromethane	4.965	128	60762	9.491	ug/L	93
25) Chloroform	5.078	83	283440	9.805	ug/L	99
27) 1,2-Dichloroethane	5.785	62	164876	9.604	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	265215	10.696	ug/L	99
30) Cyclohexane	5.383	56	192654	8.831	ug/L	99
31) Carbon tetrachloride	5.518	117	232953	10.786	ug/L	97
33) Benzene	5.766	78	548432	9.495	ug/L	100
34) Trichloroethene	6.534	95	153909	9.627	ug/L	97
35) Methylcyclohexane	6.756	83	221217	9.469	ug/L	99
37) 1,2-Dichloropropane	6.782	63	135814	9.227	ug/L	# 97
38) Bromodichloromethane	7.097	83	194776	10.135	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	213665	9.945	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	622781	90.246	ug/L	100
42) Toluene	7.962	91	601333	9.982	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	178227	9.988	ug/L	97

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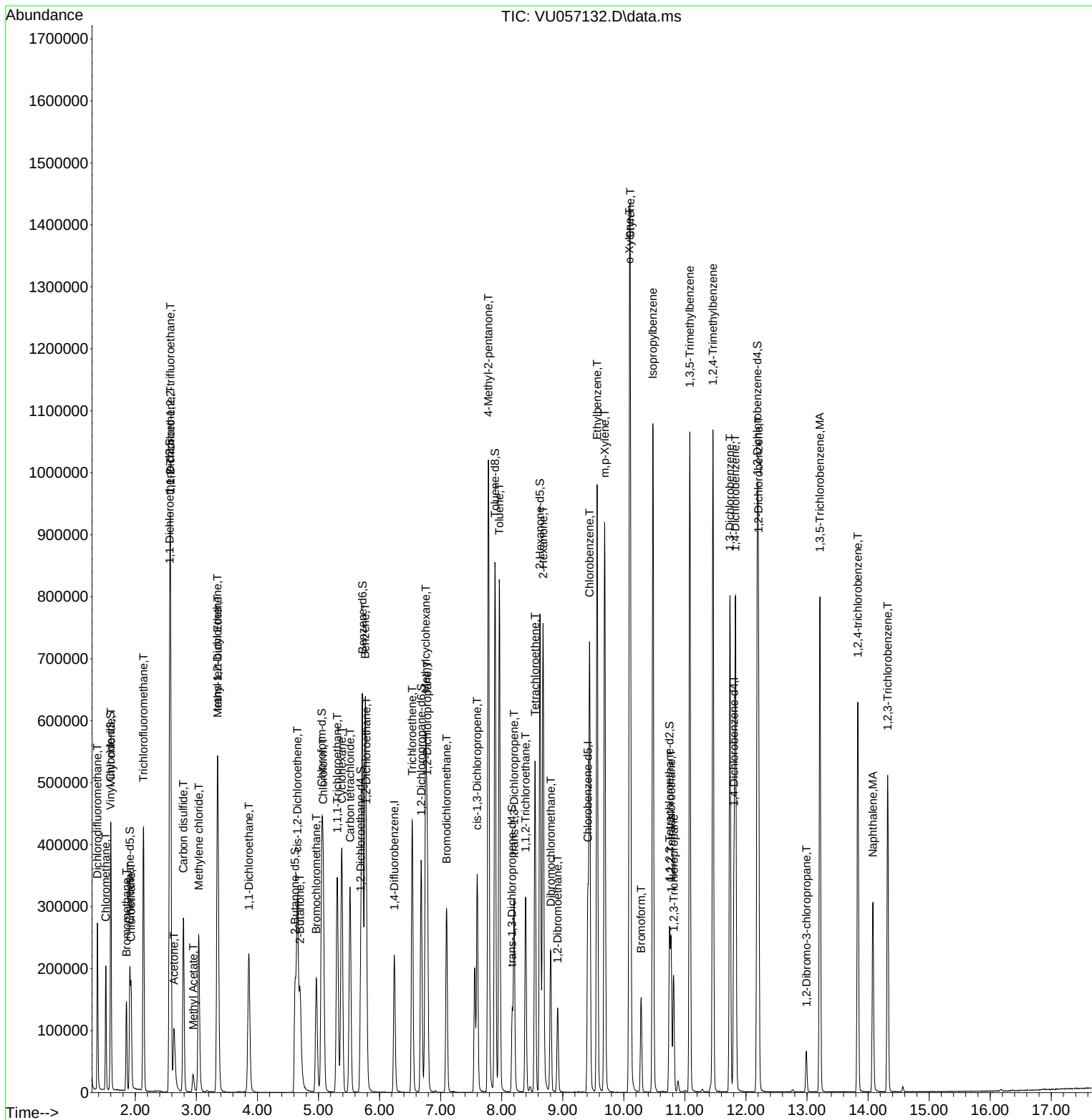
Quant Time: Dec 21 23:06:16 2023
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 Quant Title : TRACE VOA SFAM1.0
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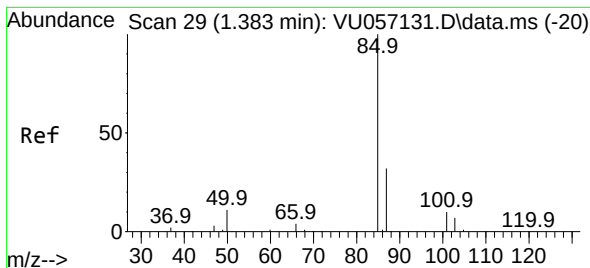
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.393	97	93570	9.407	ug/L	97
47) Tetrachloroethene	8.547	164	111529	9.881	ug/L	98
48) 2-Hexanone	8.679	43	450892	91.309	ug/L	99
49) Dibromochloromethane	8.804	129	118995	10.164	ug/L	98
50) 1,2-Dibromoethane	8.917	107	90467	9.804	ug/L	94
51) Chlorobenzene	9.441	112	373025	9.702	ug/L	98
52) Ethylbenzene	9.563	91	682665	10.274	ug/L	96
53) m,p-Xylene	9.688	106	254143	10.250	ug/L	99
54) o-Xylene	10.094	106	241782	10.231	ug/L	97
55) Styrene	10.106	104	422412	10.878	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	112569	9.282	ug/L #	99
59) Bromoform	10.283	173	67947	9.428	ug/L	98
60) Isopropylbenzene	10.476	105	693732	9.970	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	78668	8.443	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	580354	10.197	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	586020	10.382	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	304701	9.245	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	302543	9.227	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	276895	9.185	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	18719	9.753	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	233711	9.347	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	179979	9.108	ug/L	98
71) Naphthalene	14.081	128	243801	8.480	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	145664	8.735	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 9.063 ug/L

RT: 1.380 min Scan# 29

Delta R.T. -0.003 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

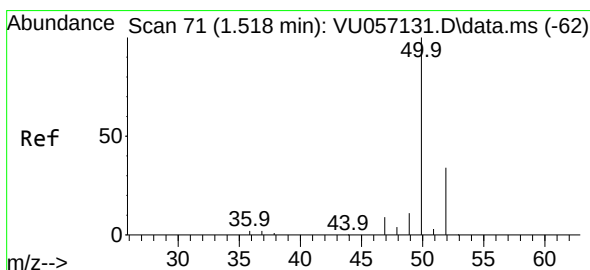
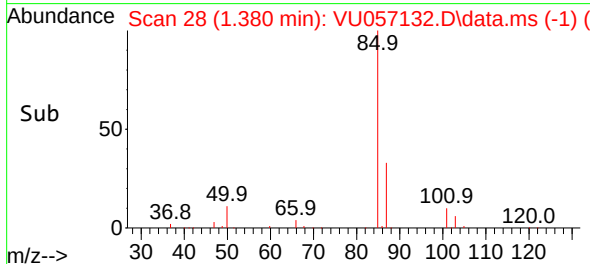
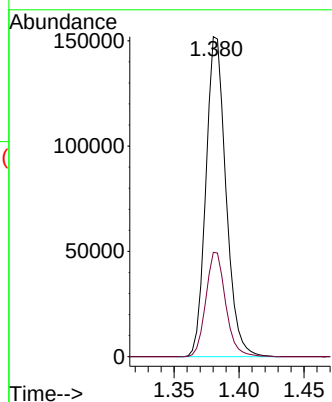
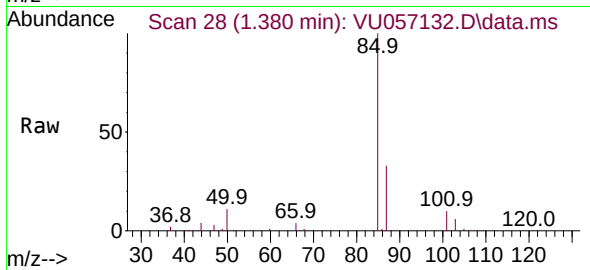
ClientSampleId :

Tgt Ion: 85 Resp: 163281

Ion Ratio Lower Upper

85 100

87 32.3 25.9 38.9



#3

Chloromethane

Concen: 7.500 ug/L

RT: 1.518 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU057132.D

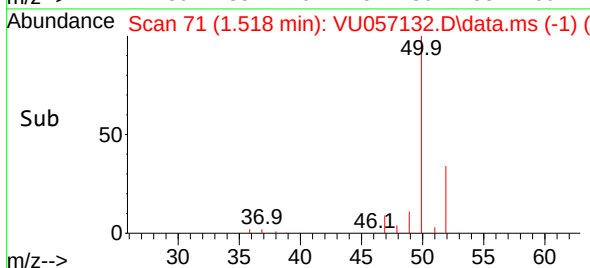
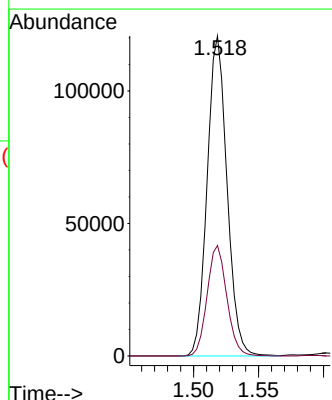
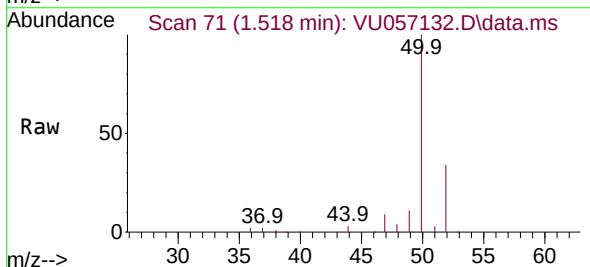
Acq: 21 Dec 2023 12:39

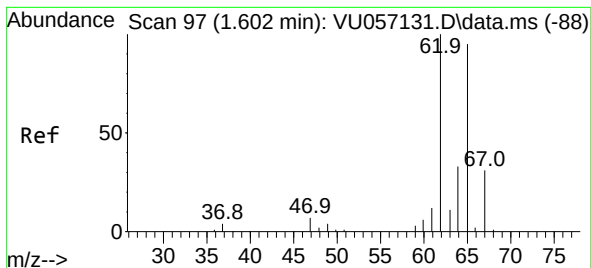
Tgt Ion: 50 Resp: 128420

Ion Ratio Lower Upper

50 100

52 34.5 23.7 44.1

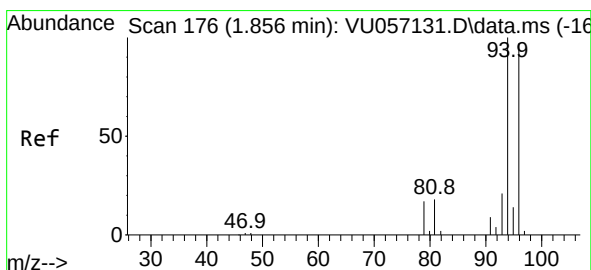
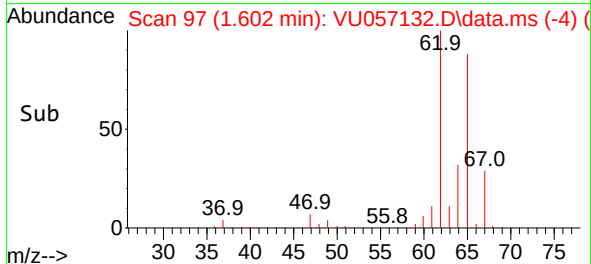
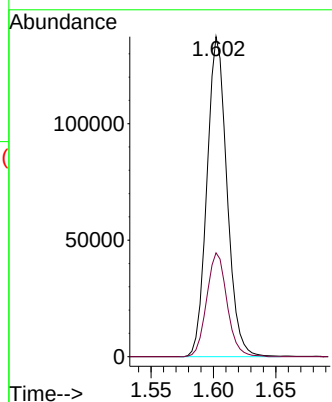
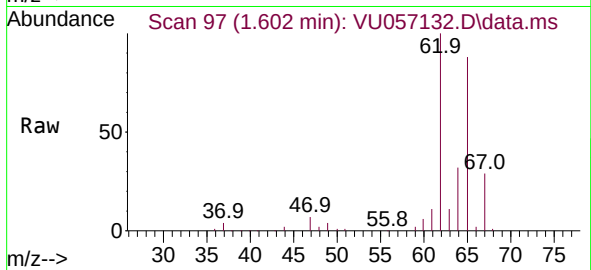




#5
 Vinyl chloride
 Concen: 8.832 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057132.D
 Acq: 21 Dec 2023 12:39

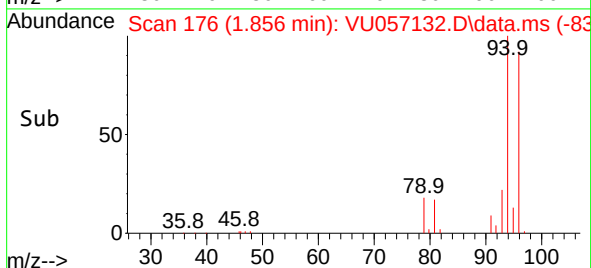
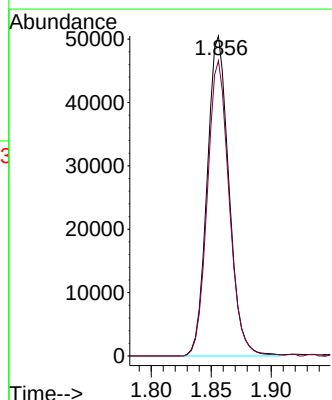
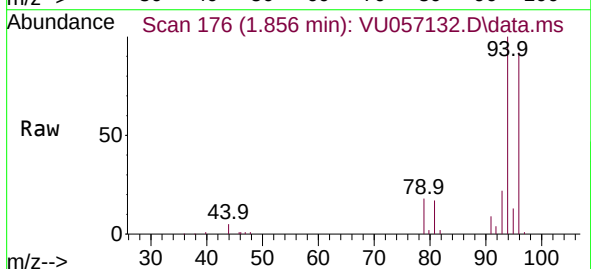
Instrument :
 MSVOA_U
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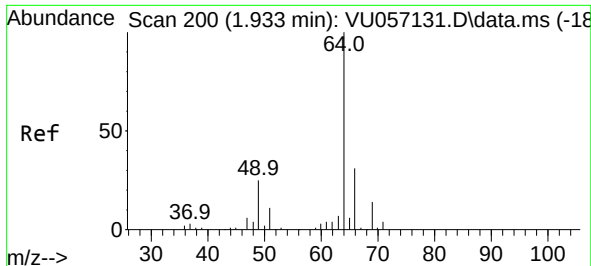
Tgt Ion: 62 Resp: 153620
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.3 43.3



#6
 Bromomethane
 Concen: 6.559 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU057132.D
 Acq: 21 Dec 2023 12:39

Tgt Ion: 94 Resp: 63908
 Ion Ratio Lower Upper
 94 100
 96 92.3 68.2 126.6





#8

Chloroethane

Concen: 9.449 ug/L

RT: 1.933 min Scan# 200

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

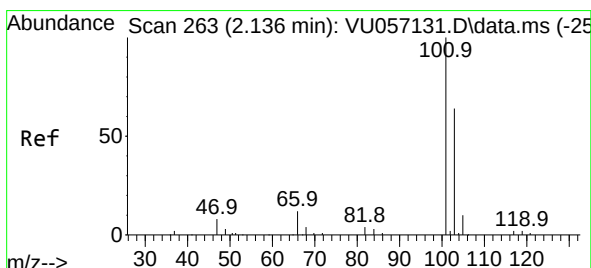
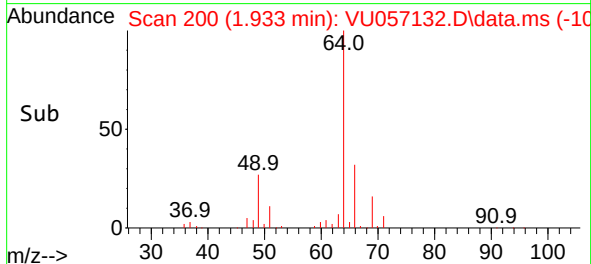
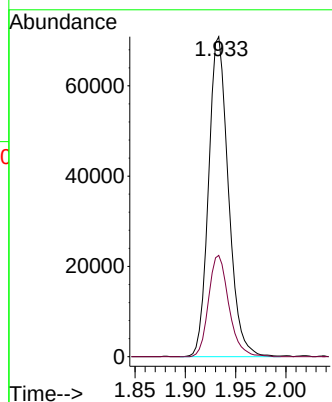
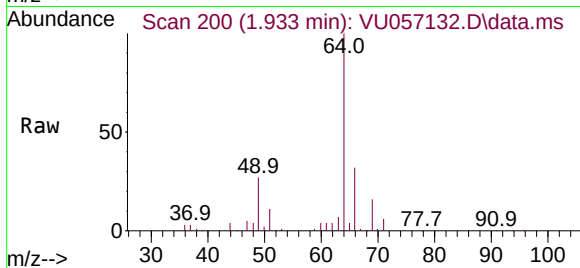
ClientSampleId :

Tgt Ion: 64 Resp: 97324

Ion Ratio Lower Upper

64 100

66 31.7 21.6 40.2



#9

Trichlorofluoromethane

Concen: 10.849 ug/L

RT: 2.136 min Scan# 263

Delta R.T. -0.000 min

Lab File: VU057132.D

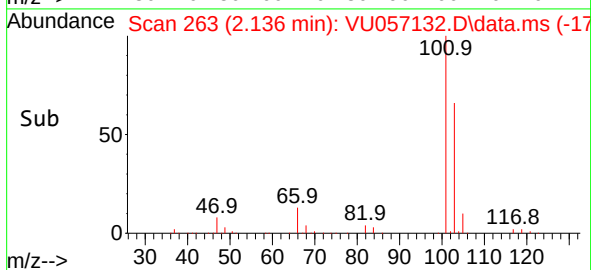
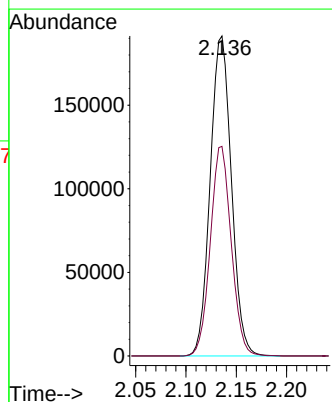
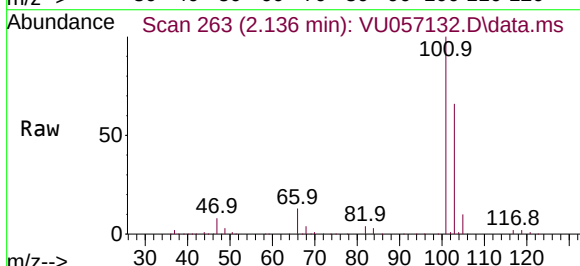
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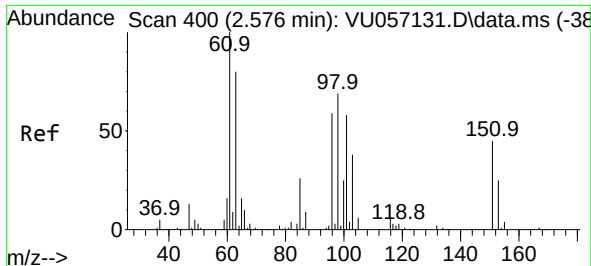
Tgt Ion:101 Resp: 280219

Ion Ratio Lower Upper

101 100

103 64.7 52.1 78.1

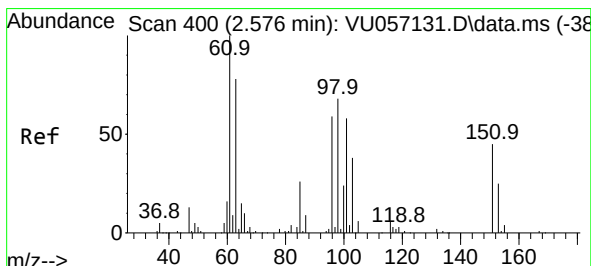
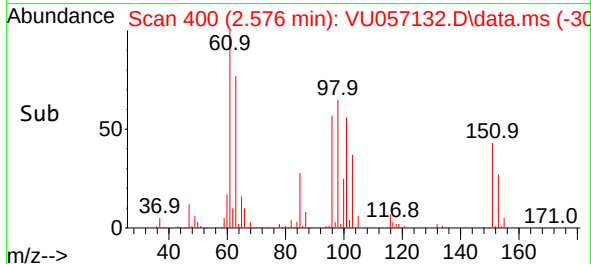
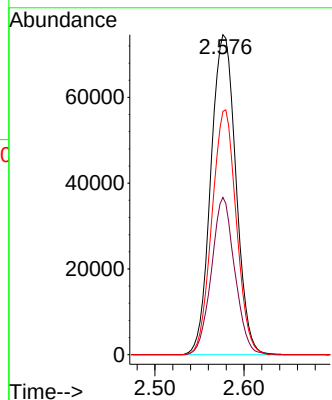
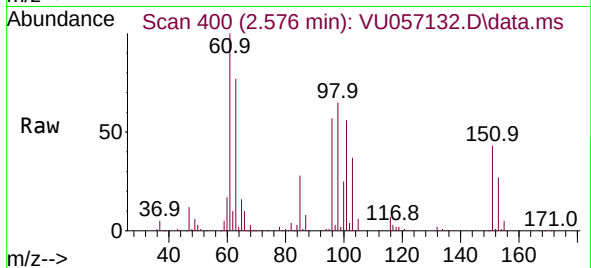




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.527 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU057132.D
 Acq: 21 Dec 2023 12:39

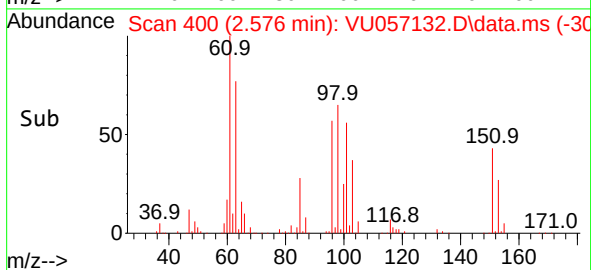
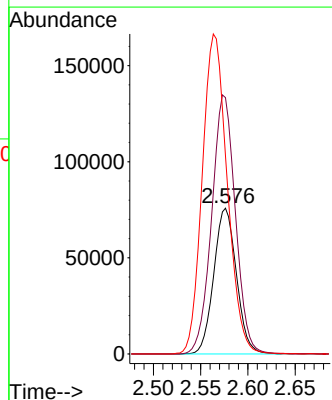
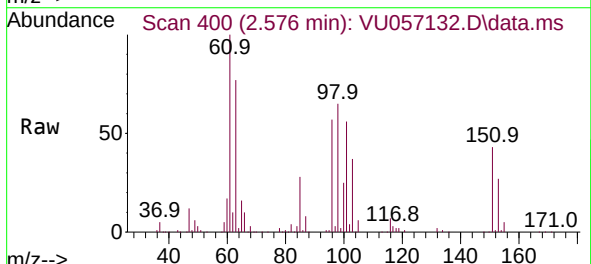
Instrument :
 MSVOA_U
 ClientSampleId :

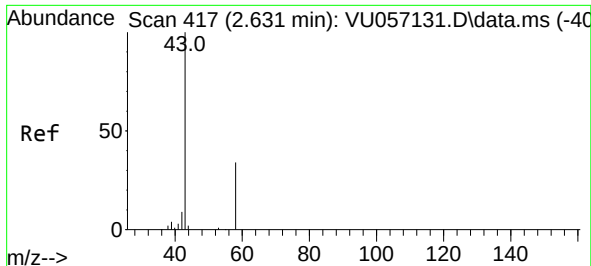
Tgt Ion:101 Resp: 145577
 Ion Ratio Lower Upper
 101 100
 85 45.9 35.6 53.4
 151 74.6 59.9 89.9



#12
 1,1-Dichloroethene
 Concen: 9.061 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU057132.D
 Acq: 21 Dec 2023 12:39

Tgt Ion: 96 Resp: 126254
 Ion Ratio Lower Upper
 96 100
 61 175.9 119.6 222.0
 63 135.9 96.2 178.8





#13

Acetone

Concen: 90.818 ug/L

RT: 2.634 min Scan# 417

Delta R.T. 0.003 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

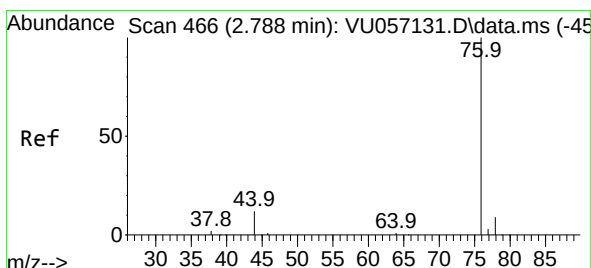
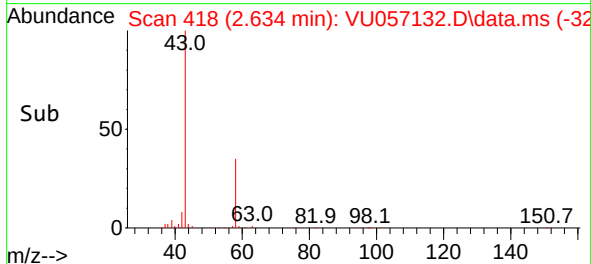
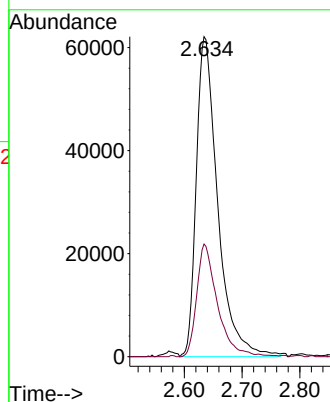
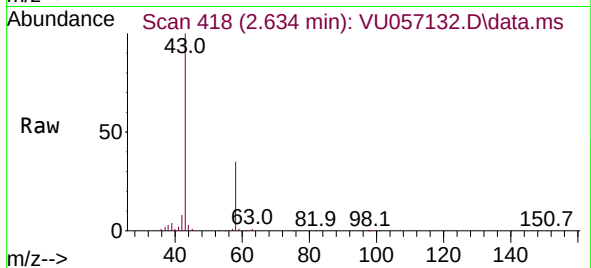
ClientSampleId :

Tgt Ion: 43 Resp: 159981

Ion Ratio Lower Upper

43 100

58 33.6 0.0 70.8



#14

Carbon disulfide

Concen: 7.879 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU057132.D

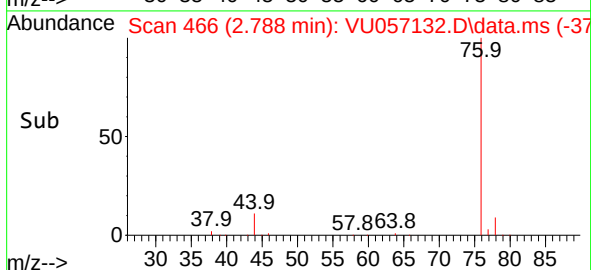
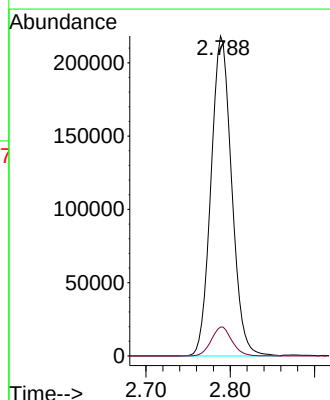
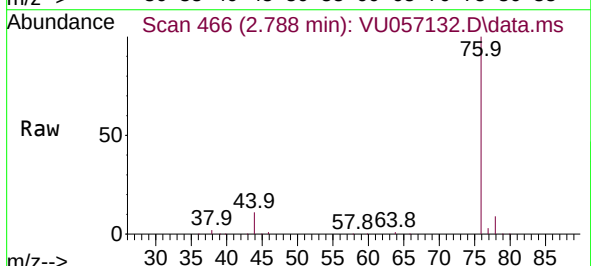
Acq: 21 Dec 2023 12:39

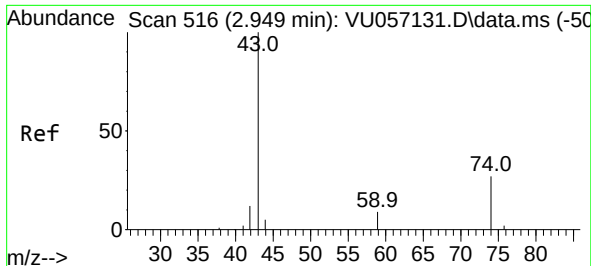
Tgt Ion: 76 Resp: 372310

Ion Ratio Lower Upper

76 100

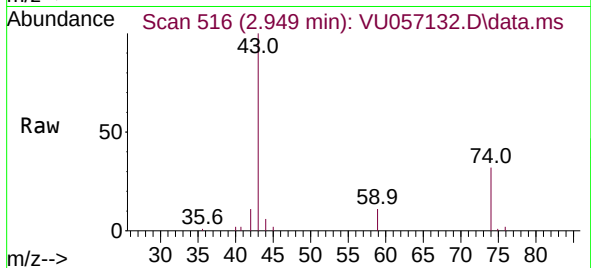
78 9.1 7.1 10.7



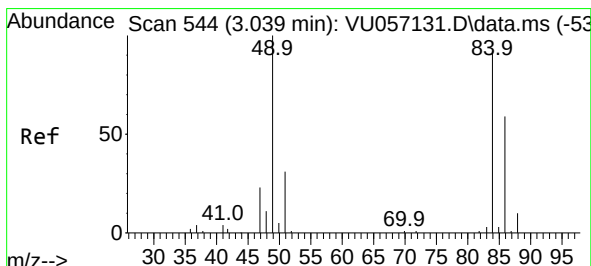
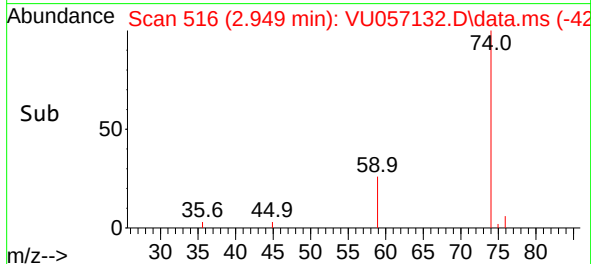
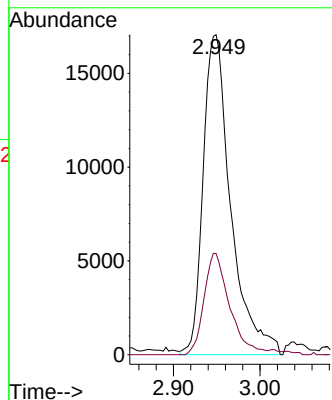


#15
Methyl Acetate
Concen: 8.086 ug/L
RT: 2.949 min Scan# 516
Delta R.T. -0.000 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

Instrument :
MSVOA_U
ClientSampleId :

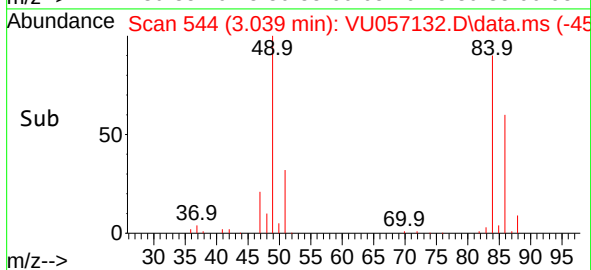
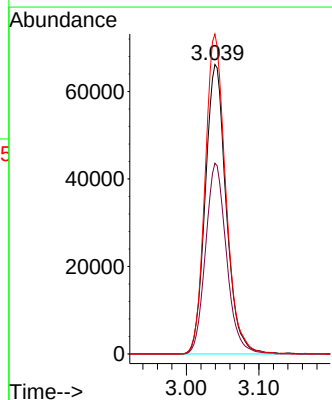
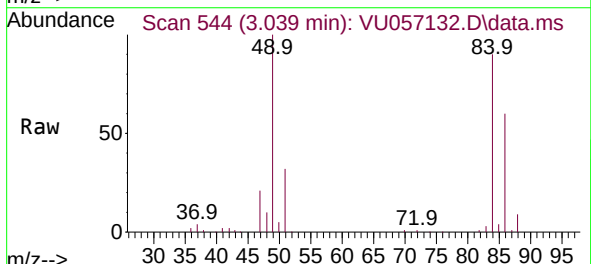


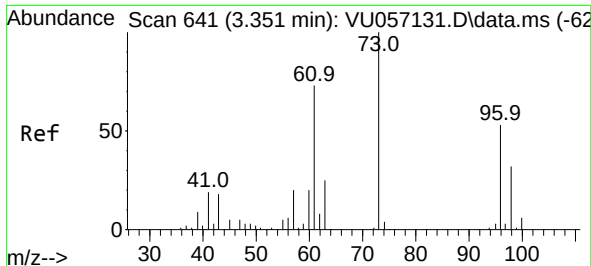
Tgt Ion: 43 Resp: 37906
Ion Ratio Lower Upper
43 100
74 29.2 22.8 34.2



#16
Methylene chloride
Concen: 8.744 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

Tgt Ion: 84 Resp: 132709
Ion Ratio Lower Upper
84 100
86 65.9 44.7 82.9
49 110.5 76.0 141.2





#17

Methyl tert-butyl Ether

Concen: 9.356 ug/L

RT: 3.351 min Scan# 641

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

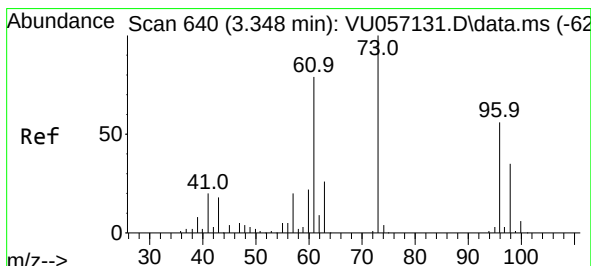
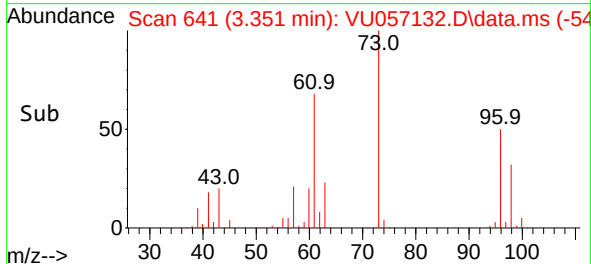
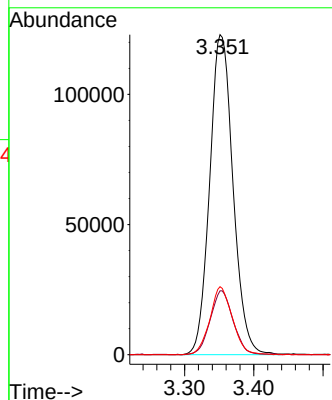
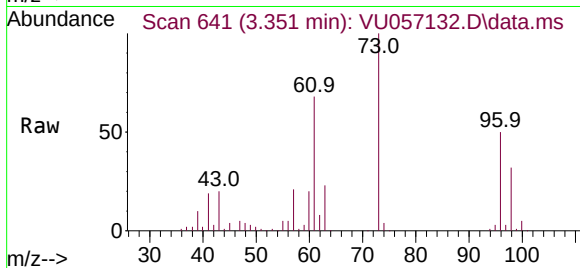
Tgt Ion: 73 Resp: 287792

Ion Ratio Lower Upper

73 100

43 19.6 15.4 23.0

57 20.4 16.2 24.2



#18

trans-1,2-Dichloroethene

Concen: 9.085 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

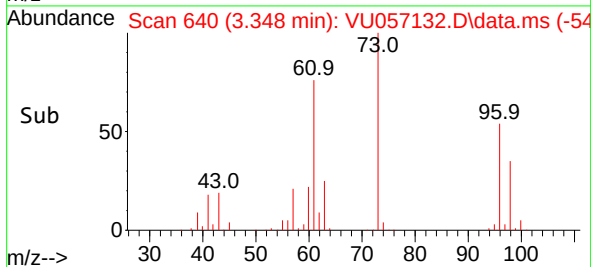
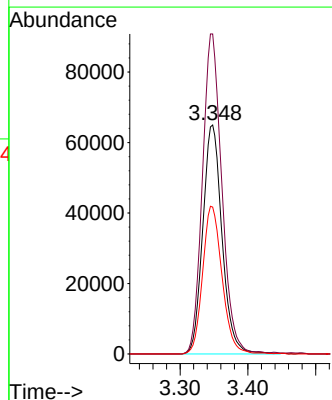
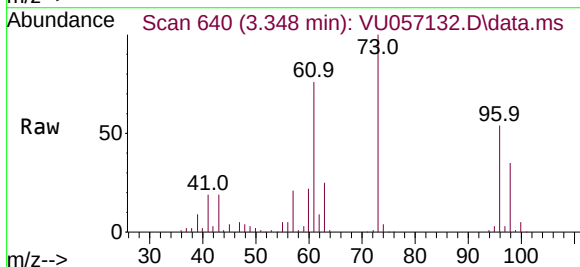
Tgt Ion: 96 Resp: 128230

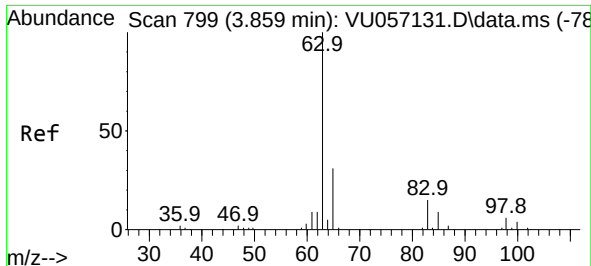
Ion Ratio Lower Upper

96 100

61 139.7 98.4 182.8

98 64.2 43.6 81.0

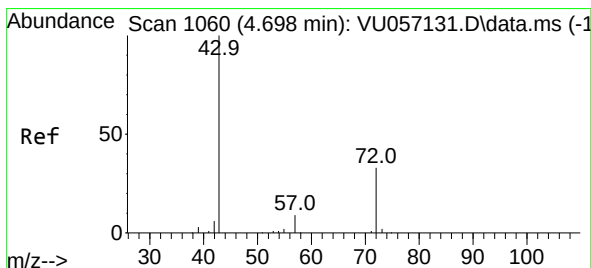
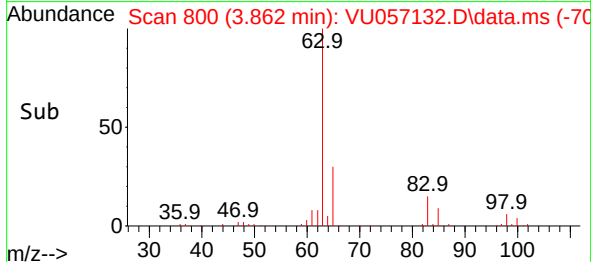
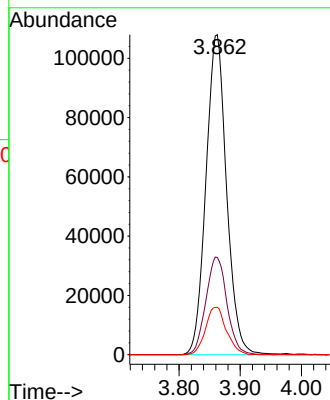
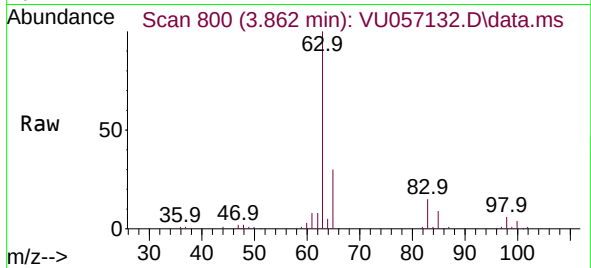




#19
1,1-Dichloroethane
Concen: 9.269 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.003 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

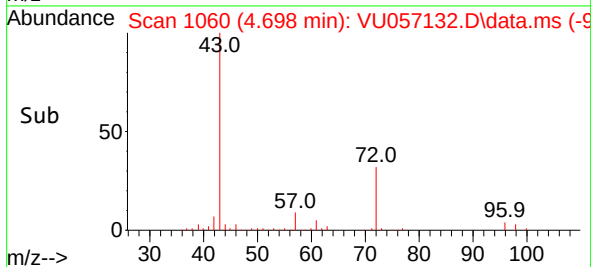
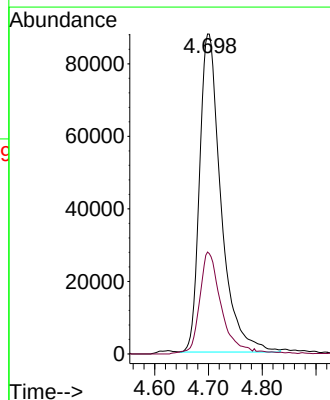
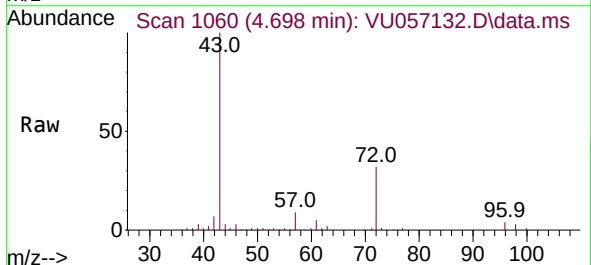
Instrument :
MSVOA_U
ClientSampleId :

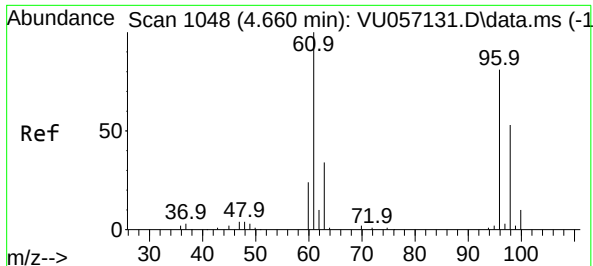
Tgt Ion: 63 Resp: 252747
Ion Ratio Lower Upper
63 100
65 30.4 21.6 40.2
83 14.8 10.2 19.0



#21
2-Butanone
Concen: 83.558 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

Tgt Ion: 43 Resp: 242643
Ion Ratio Lower Upper
43 100
72 32.0 16.3 48.8





#22

cis-1,2-Dichloroethene

Concen: 9.411 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

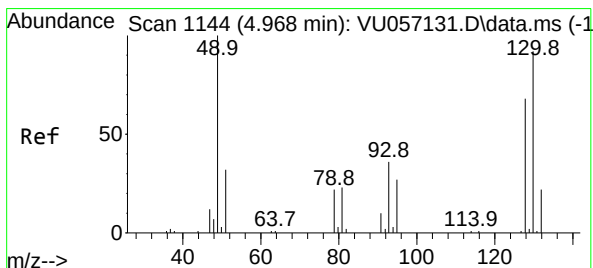
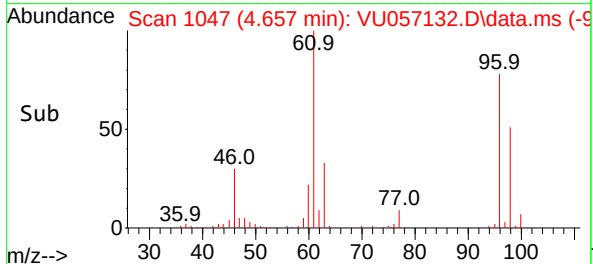
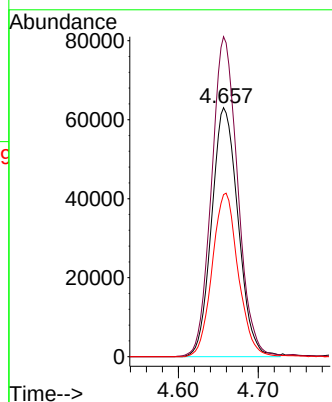
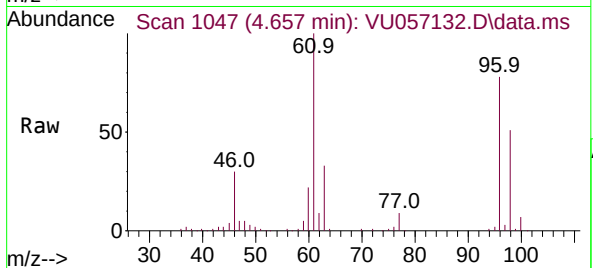
Tgt Ion: 96 Resp: 145030

Ion Ratio Lower Upper

96 100

61 128.5 86.8 161.2

98 65.1 45.5 84.5



#23

Bromochloromethane

Concen: 9.491 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. -0.003 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Tgt Ion: 128 Resp: 60762

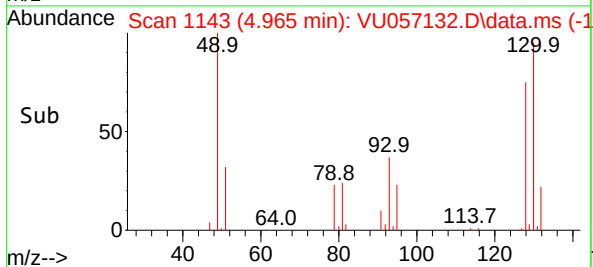
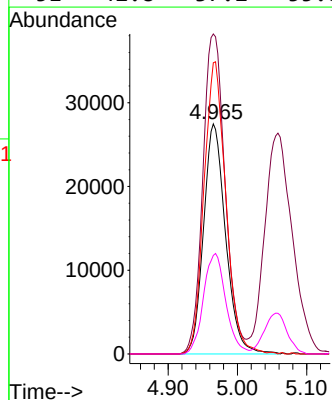
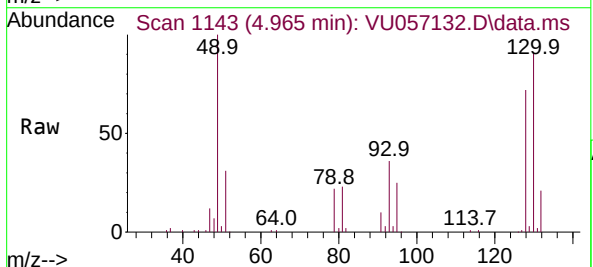
Ion Ratio Lower Upper

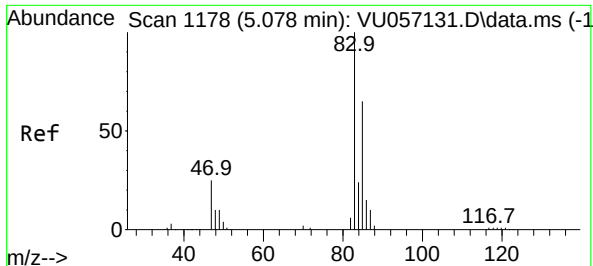
128 100

49 139.1 102.7 190.7

130 126.5 94.7 175.9

51 42.8 37.2 55.8





#25

Chloroform

Concen: 9.805 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

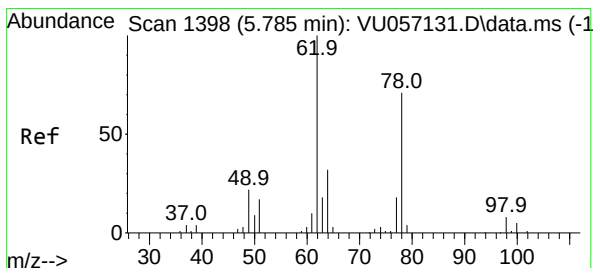
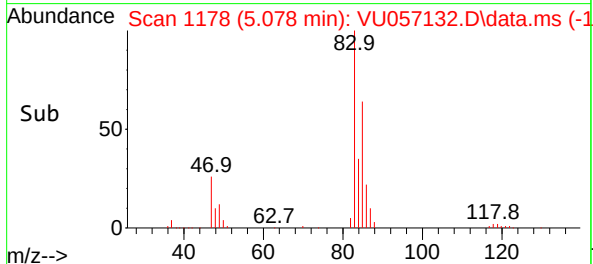
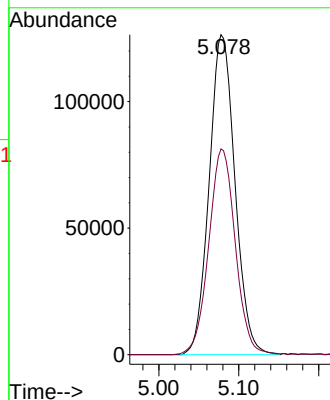
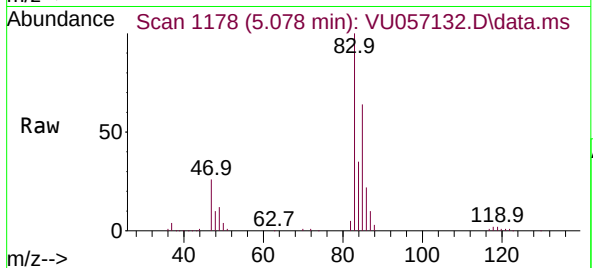
ClientSampleId :

Tgt Ion: 83 Resp: 283440

Ion Ratio Lower Upper

83 100

85 64.3 45.4 84.4



#27

1,2-Dichloroethane

Concen: 9.604 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU057132.D

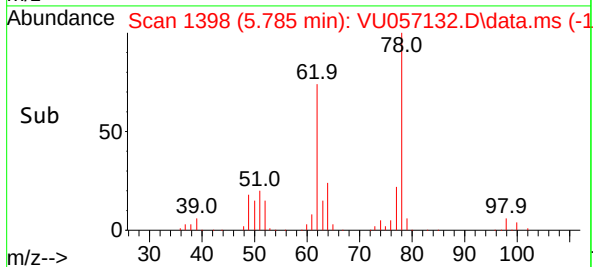
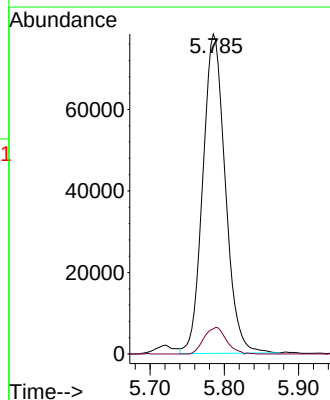
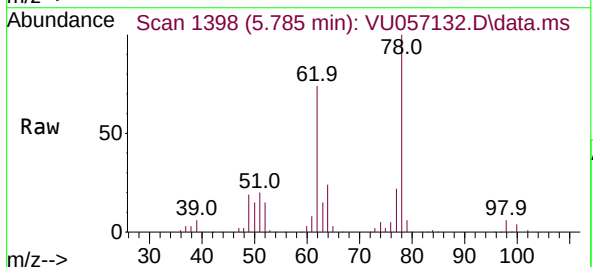
Acq: 21 Dec 2023 12:39

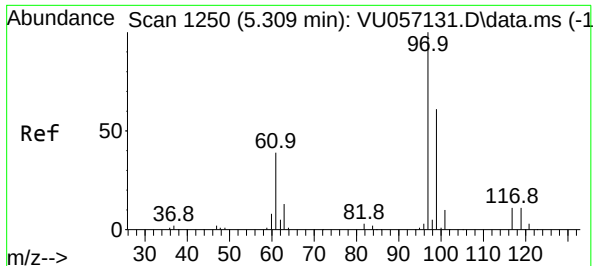
Tgt Ion: 62 Resp: 164876

Ion Ratio Lower Upper

62 100

98 7.9 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 10.696 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

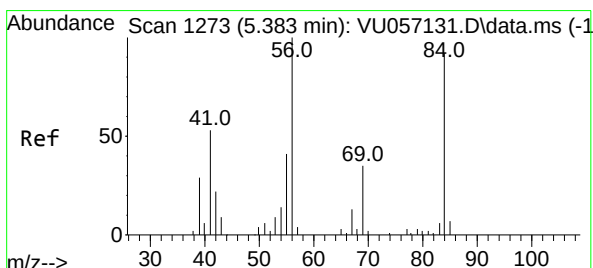
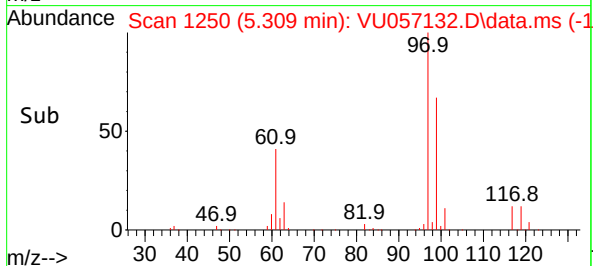
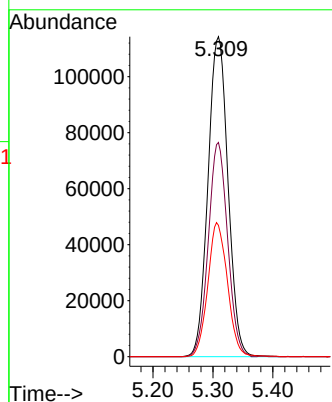
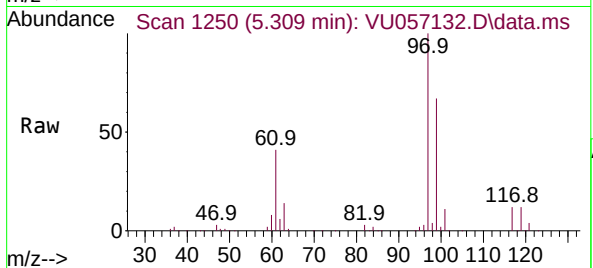
Tgt Ion: 97 Resp: 265215

Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

61 41.1 32.5 48.7



#30

Cyclohexane

Concen: 8.831 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

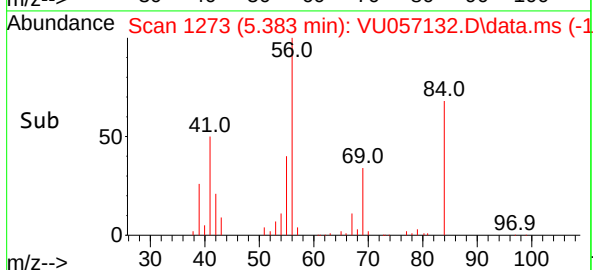
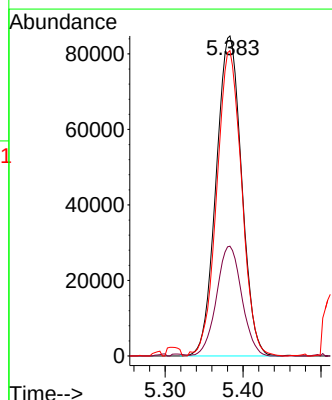
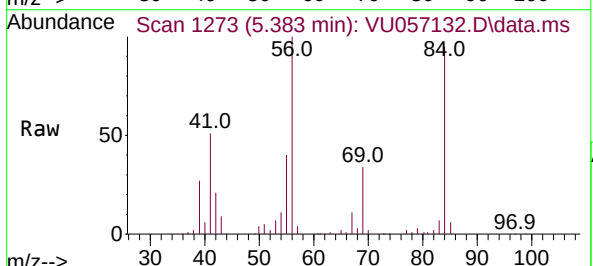
Tgt Ion: 56 Resp: 192654

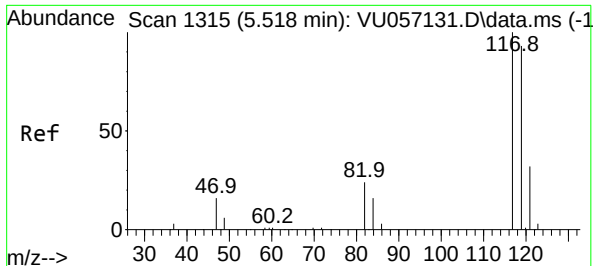
Ion Ratio Lower Upper

56 100

69 33.9 26.7 40.1

84 93.1 74.9 112.3

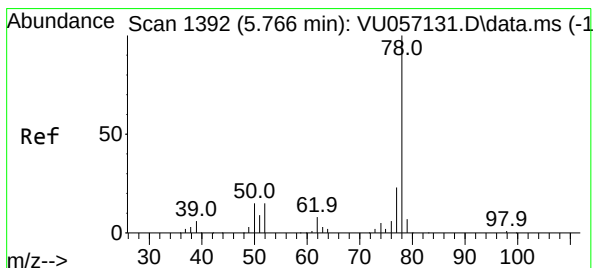
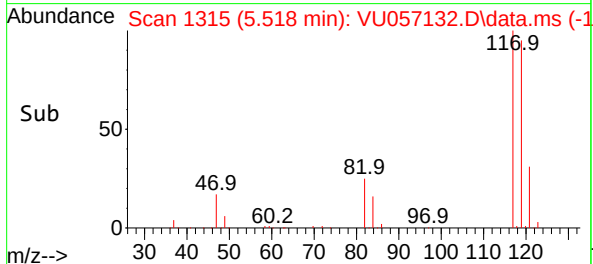
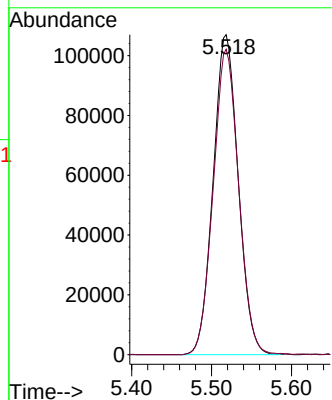
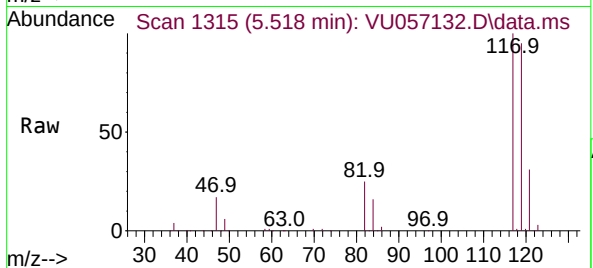




#31
Carbon tetrachloride
Concen: 10.786 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

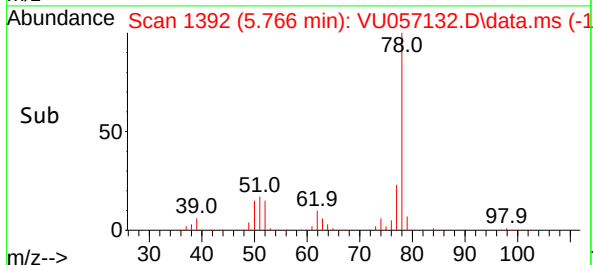
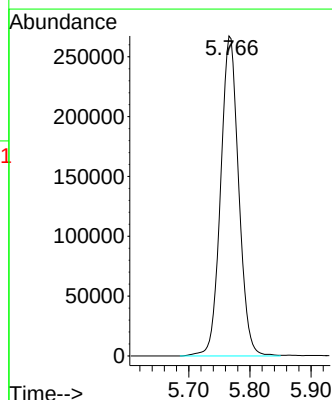
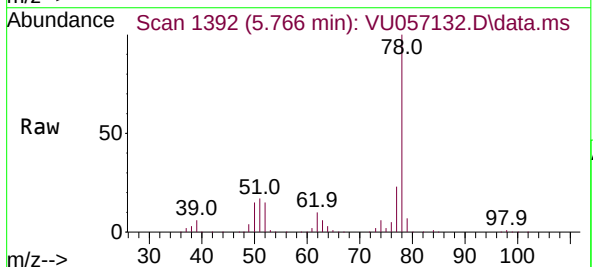
Instrument :
MSVOA_U
ClientSampleId :

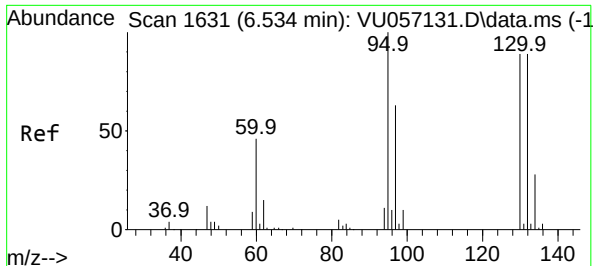
Tgt Ion:117 Resp: 232953
Ion Ratio Lower Upper
117 100
119 97.0 75.1 112.7



#33
Benzene
Concen: 9.495 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

Tgt Ion: 78 Resp: 548432





#34

Trichloroethene

Concen: 9.627 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 153909

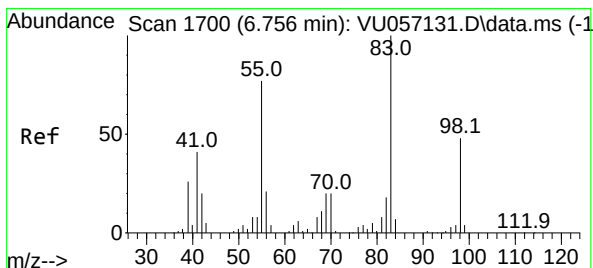
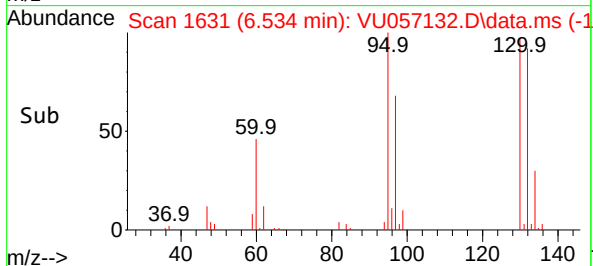
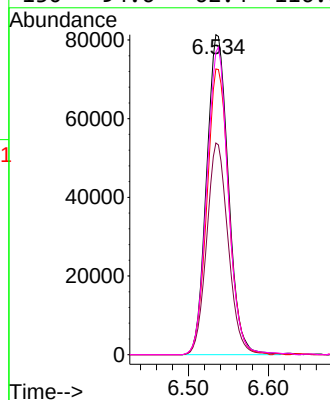
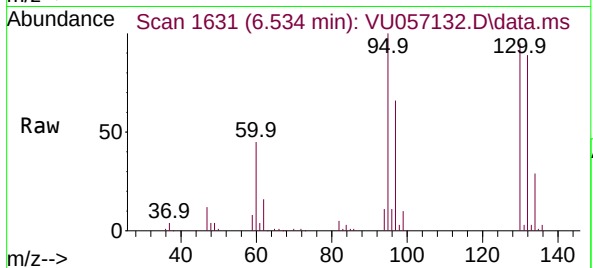
Ion Ratio Lower Upper

95 100

97 66.1 44.3 82.3

132 89.3 62.6 116.2

130 94.6 62.4 116.0



#35

Methylcyclohexane

Concen: 9.469 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

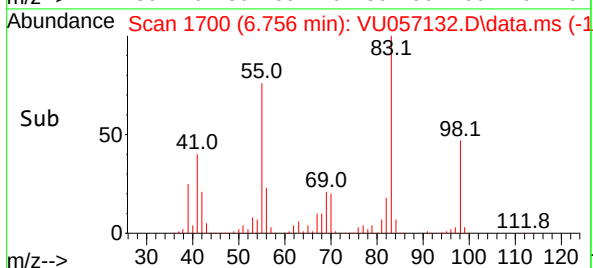
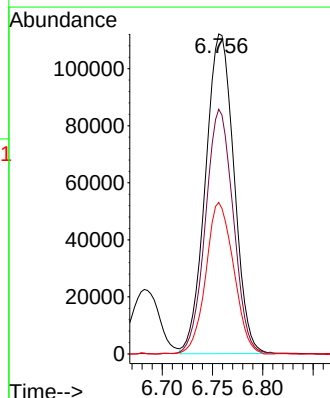
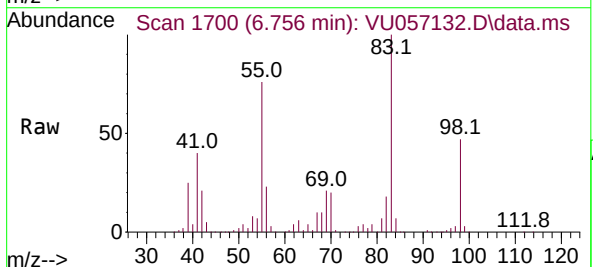
Tgt Ion: 83 Resp: 221217

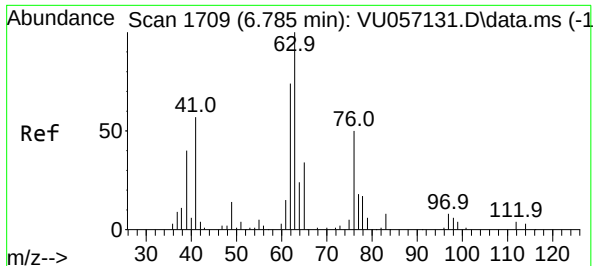
Ion Ratio Lower Upper

83 100

55 74.9 61.3 91.9

98 46.1 36.6 55.0





#37

1,2-Dichloropropane

Concen: 9.227 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

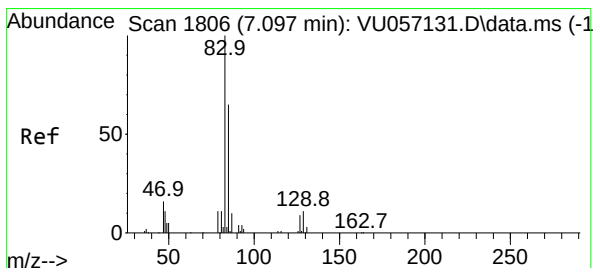
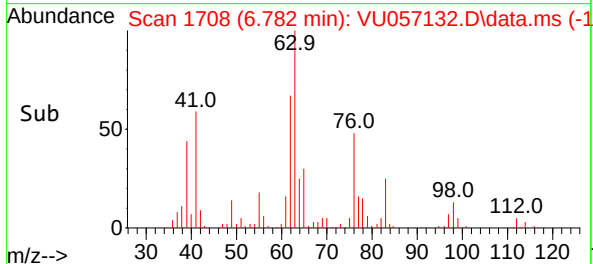
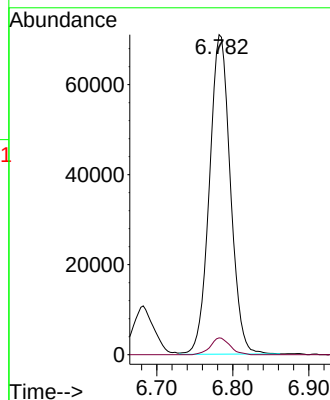
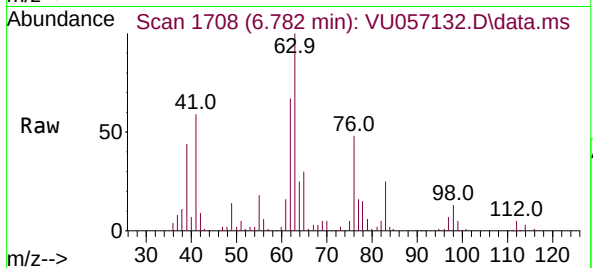
ClientSampleId :

Tgt Ion: 63 Resp: 135814

Ion Ratio Lower Upper

63 100

112 4.9 3.1 4.7#



#38

Bromodichloromethane

Concen: 10.135 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

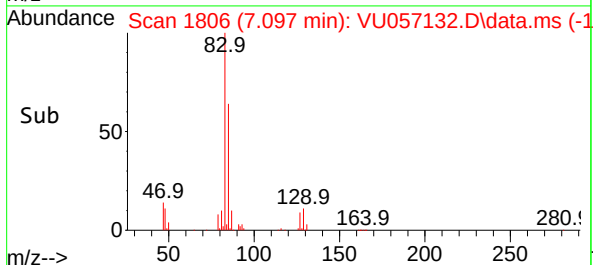
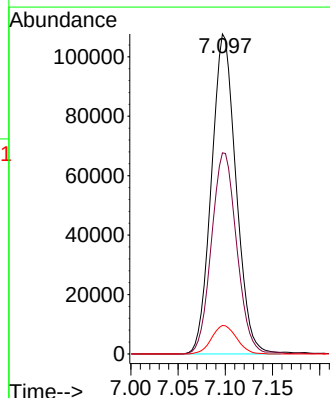
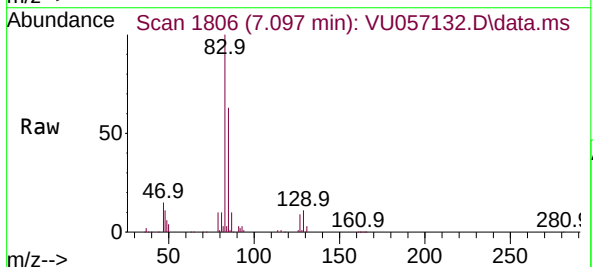
Tgt Ion: 83 Resp: 194776

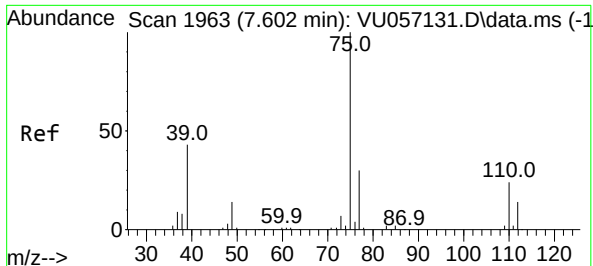
Ion Ratio Lower Upper

83 100

85 62.8 45.8 85.0

127 8.9 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 9.945 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

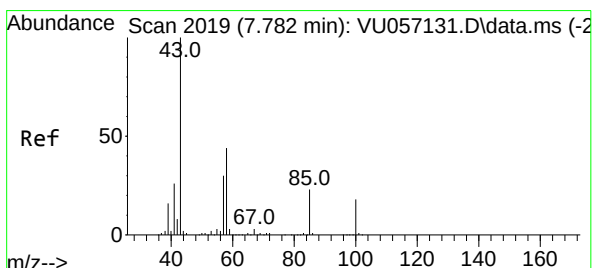
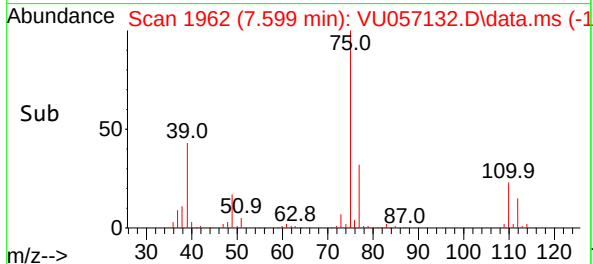
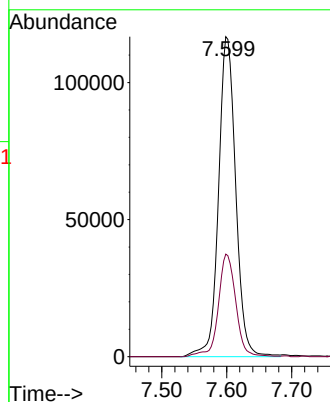
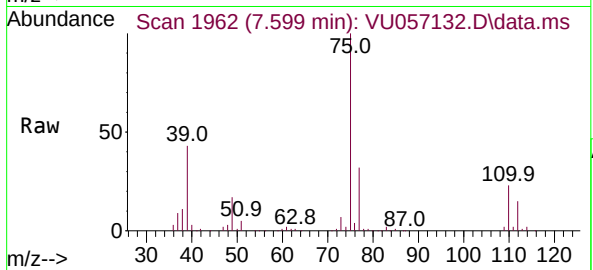
ClientSampleId :

Tgt Ion: 75 Resp: 213665

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 90.246 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

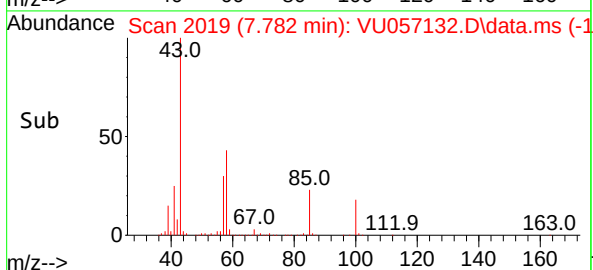
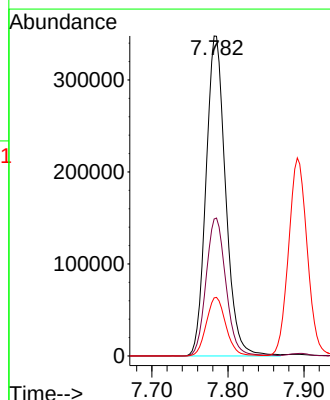
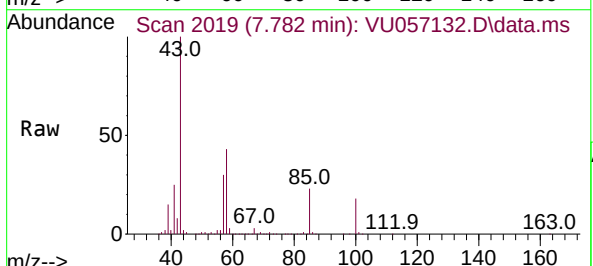
Tgt Ion: 43 Resp: 622781

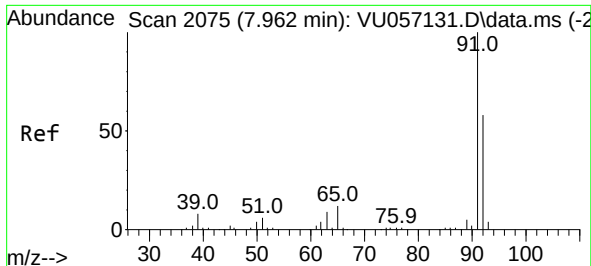
Ion Ratio Lower Upper

43 100

58 43.7 34.8 52.2

100 18.3 14.6 21.8





#42

Toluene

Concen: 9.982 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

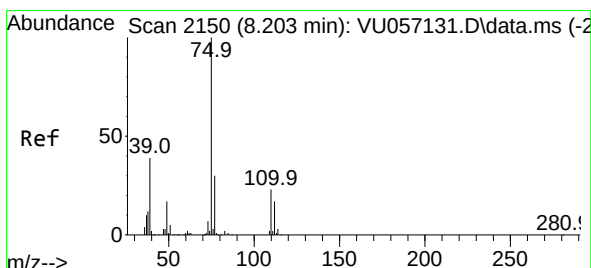
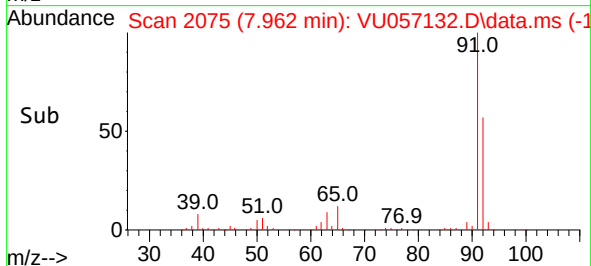
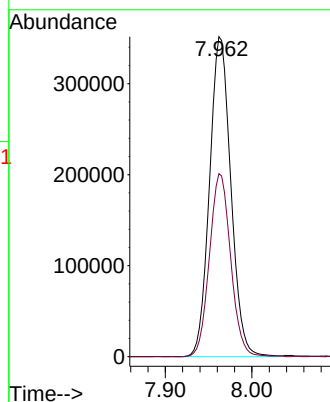
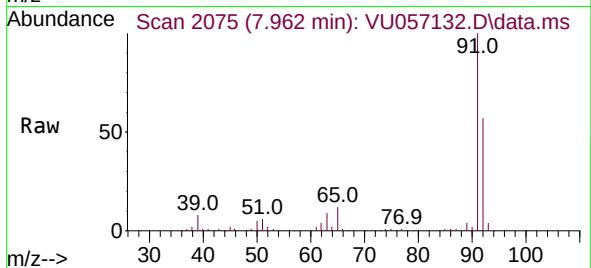
ClientSampleId :

Tgt Ion: 91 Resp: 601333

Ion Ratio Lower Upper

91 100

92 57.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 9.988 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU057132.D

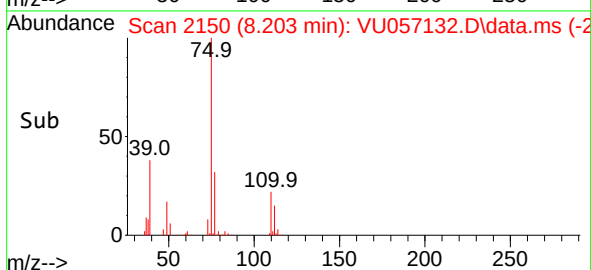
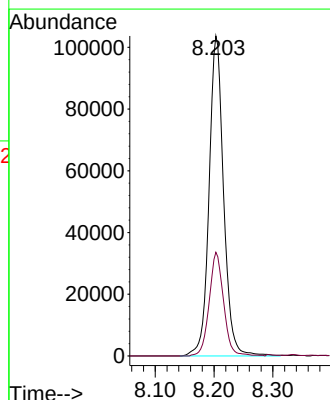
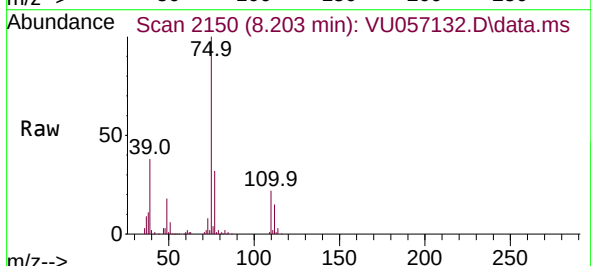
Acq: 21 Dec 2023 12:39

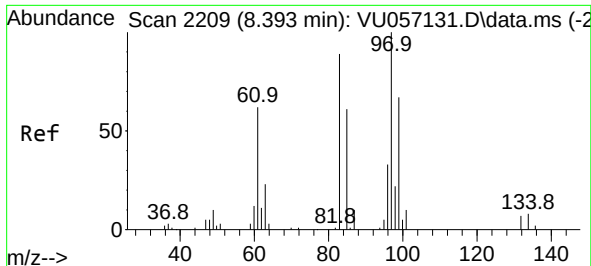
Tgt Ion: 75 Resp: 178227

Ion Ratio Lower Upper

75 100

77 32.4 21.4 39.8





#45

1,1,2-Trichloroethane

Concen: 9.407 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 93570

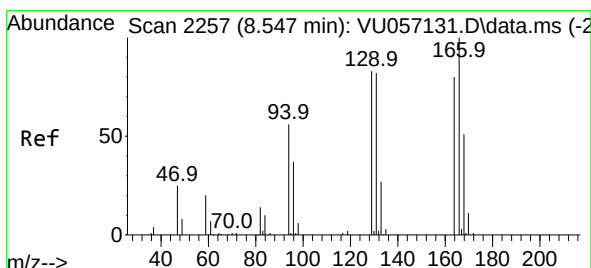
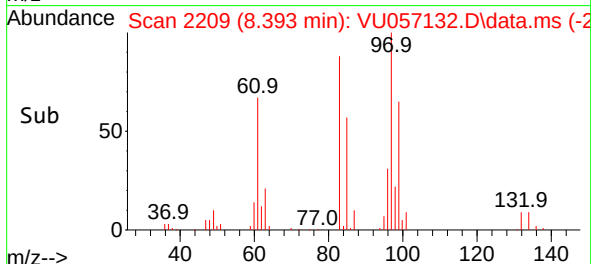
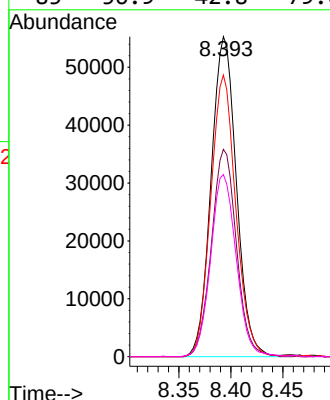
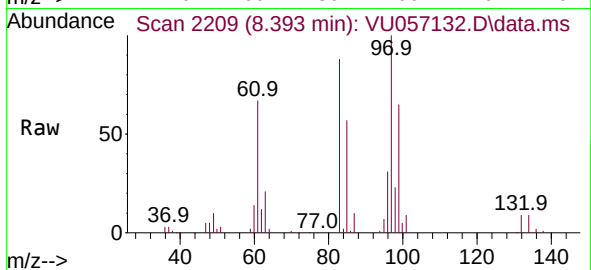
Ion Ratio Lower Upper

97 100

99 64.8 47.0 87.2

83 88.0 62.1 115.3

85 56.9 42.8 79.6



#47

Tetrachloroethene

Concen: 9.881 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Tgt Ion:164 Resp: 111529

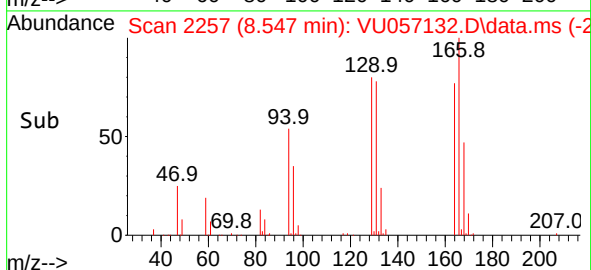
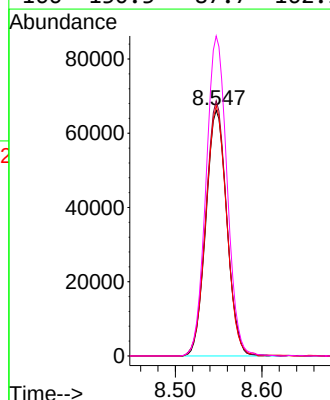
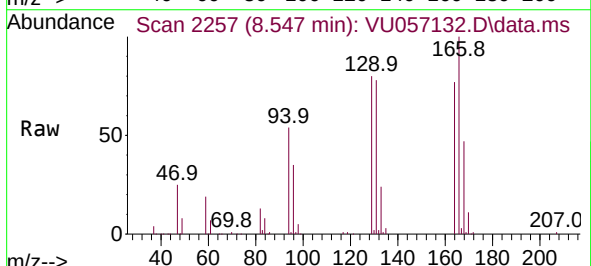
Ion Ratio Lower Upper

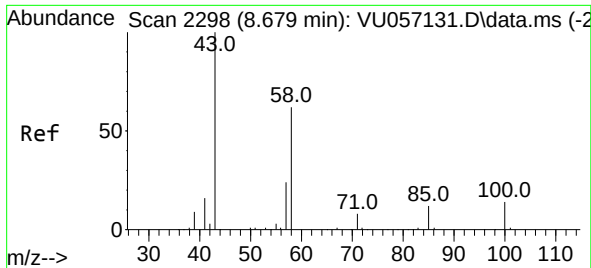
164 100

129 103.9 72.9 135.3

131 101.9 71.7 133.3

166 130.3 87.7 162.9



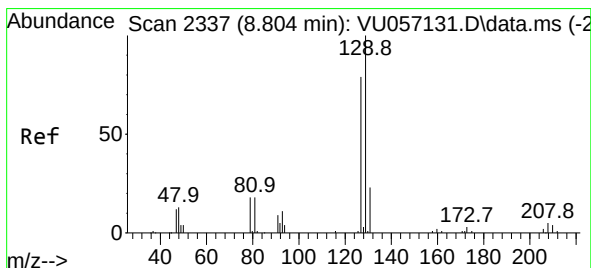
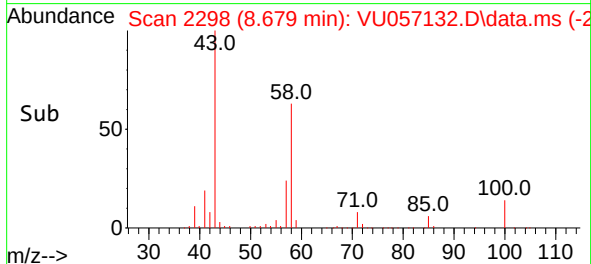
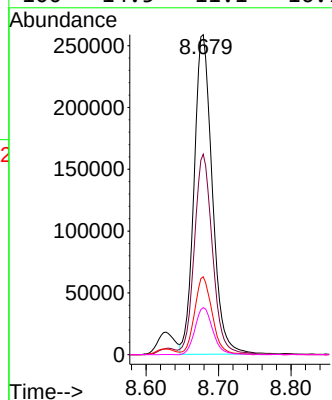
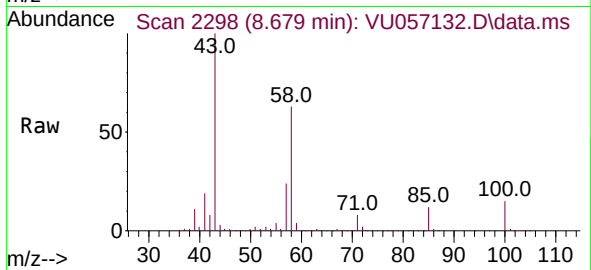


#48
2-Hexanone
Concen: 91.309 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 450892

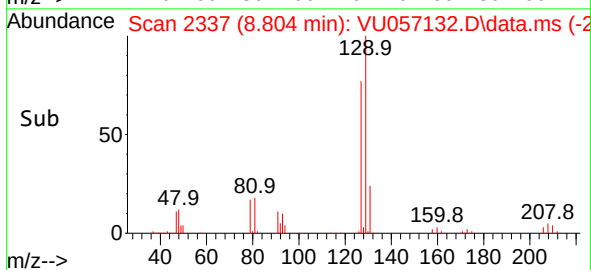
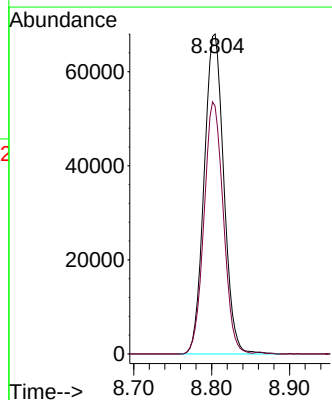
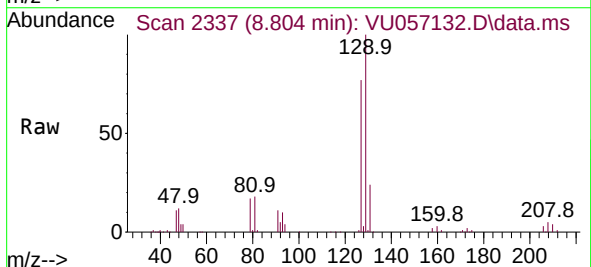
Ion	Ratio	Lower	Upper
43	100		
58	62.3	49.8	74.8
57	23.7	18.5	27.7
100	14.5	11.1	16.7

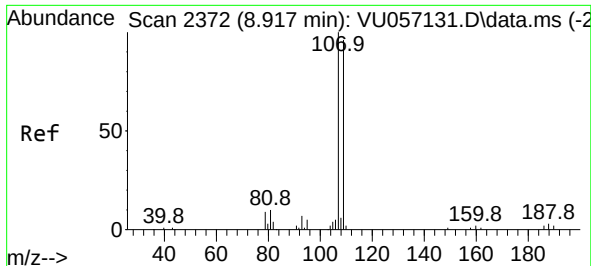


#49
Dibromochloromethane
Concen: 10.164 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

Tgt Ion: 129 Resp: 118995

Ion	Ratio	Lower	Upper
129	100		
127	77.4	55.2	102.6





#50

1,2-Dibromoethane

Concen: 9.804 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

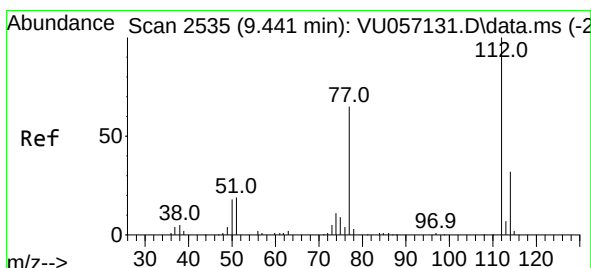
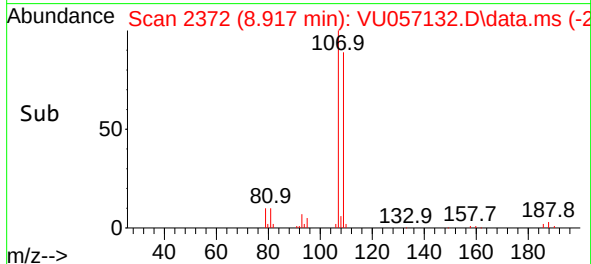
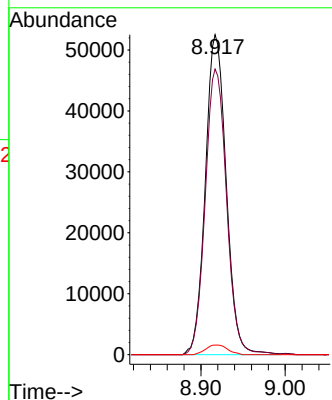
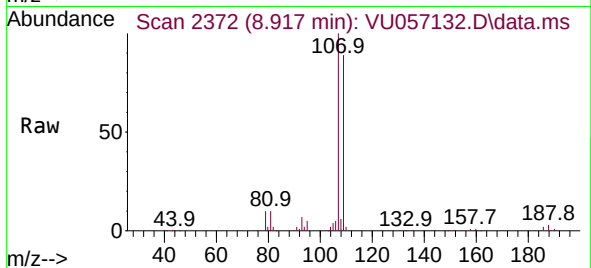
Tgt Ion:107 Resp: 90467

Ion Ratio Lower Upper

107 100

109 89.3 66.8 124.2

188 3.0 2.6 4.0



#51

Chlorobenzene

Concen: 9.702 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

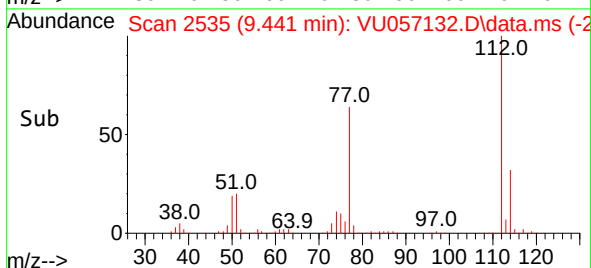
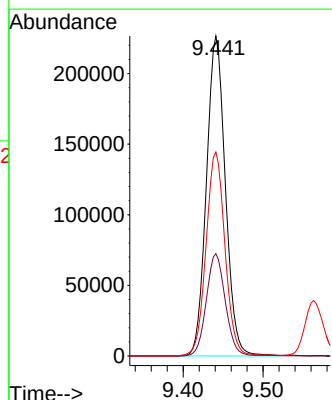
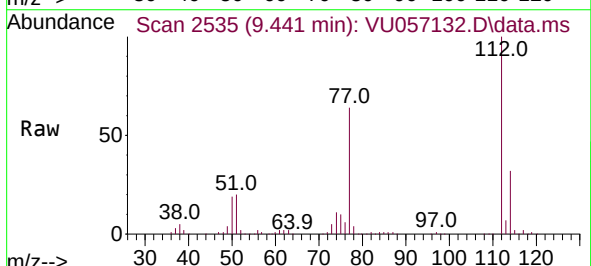
Tgt Ion:112 Resp: 373025

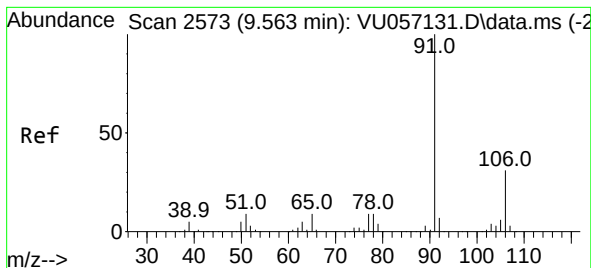
Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.1

77 63.7 52.2 78.2





#52

Ethylbenzene

Concen: 10.274 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

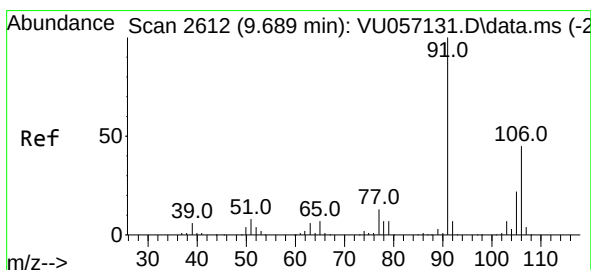
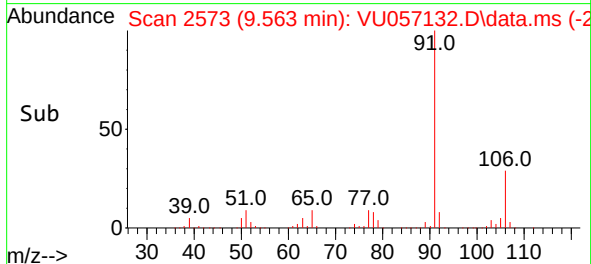
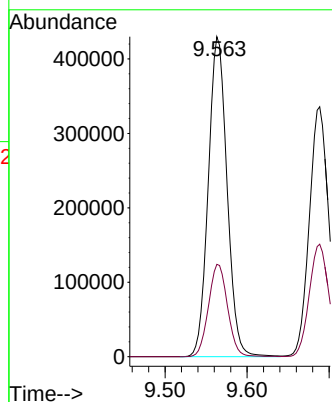
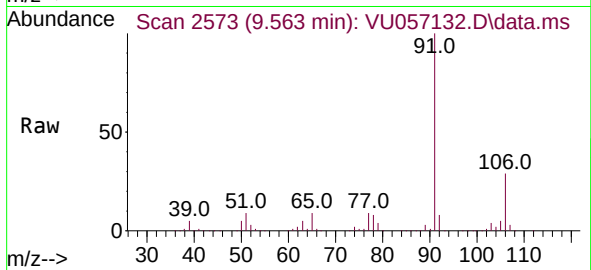
ClientSampleId :

Tgt Ion: 91 Resp: 682665

Ion Ratio Lower Upper

91 100

106 28.8 21.6 40.2



#53

m,p-Xylene

Concen: 10.250 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU057132.D

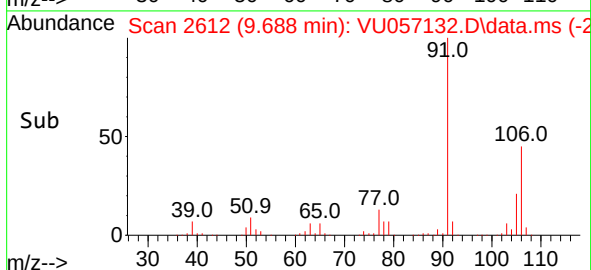
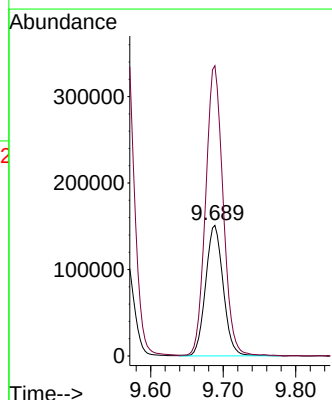
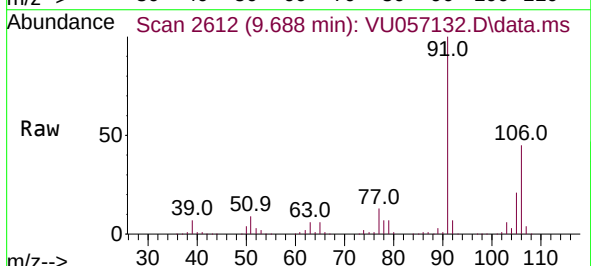
Acq: 21 Dec 2023 12:39

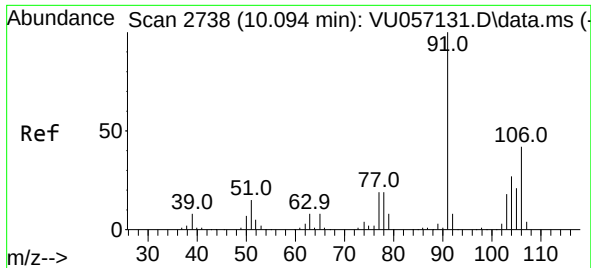
Tgt Ion:106 Resp: 254143

Ion Ratio Lower Upper

106 100

91 222.3 154.5 286.9

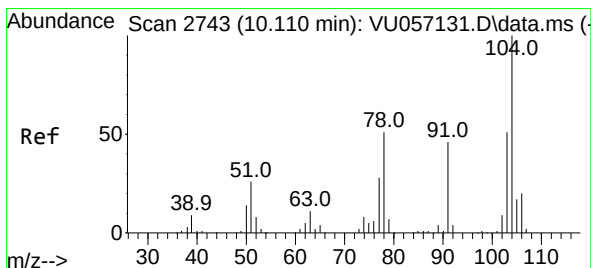
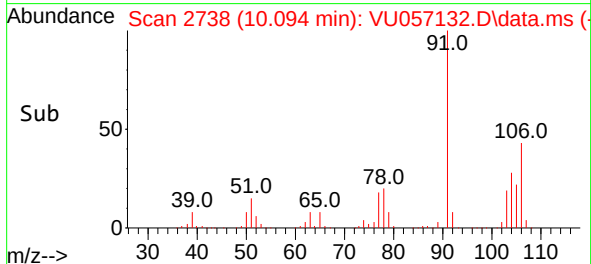
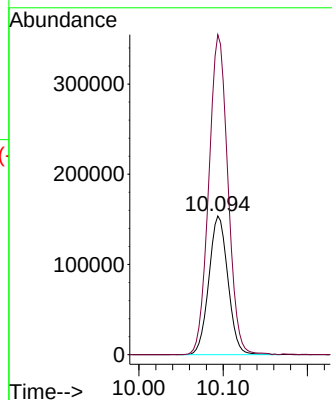
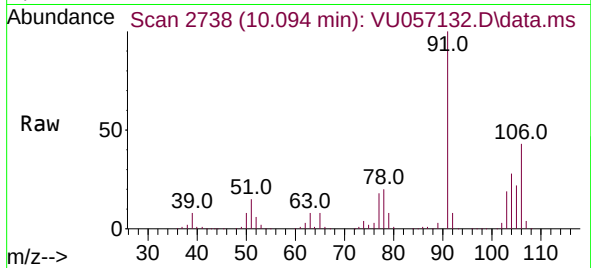




#54
o-Xylene
Concen: 10.231 ug/L
RT: 10.094 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

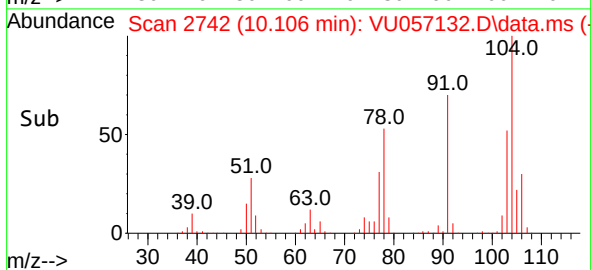
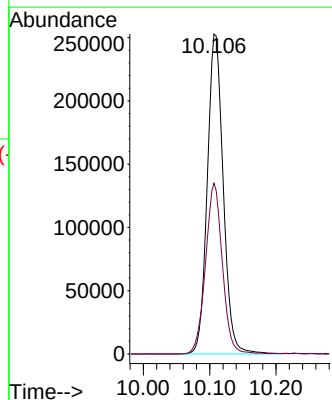
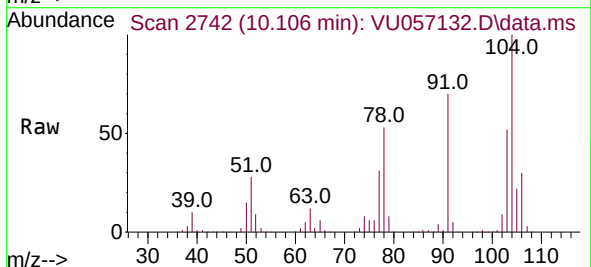
Instrument :
MSVOA_U
ClientSampleId :

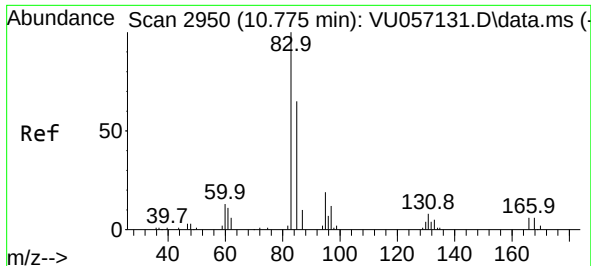
Tgt Ion:106 Resp: 241782
Ion Ratio Lower Upper
106 100
91 230.6 165.4 307.2



#55
Styrene
Concen: 10.878 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. -0.003 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

Tgt Ion:104 Resp: 422412
Ion Ratio Lower Upper
104 100
78 53.3 35.8 66.6

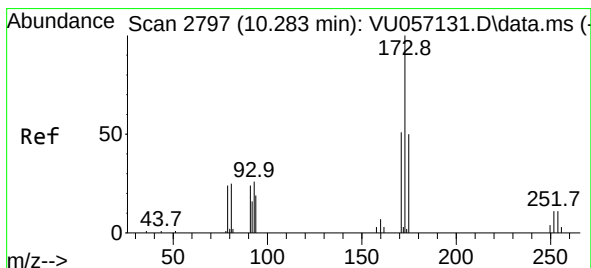
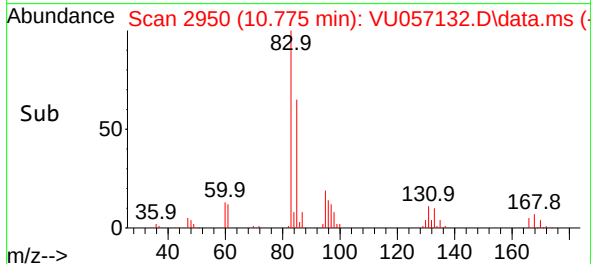
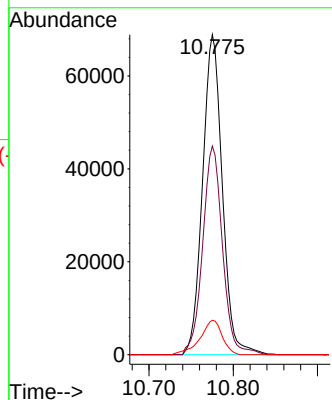
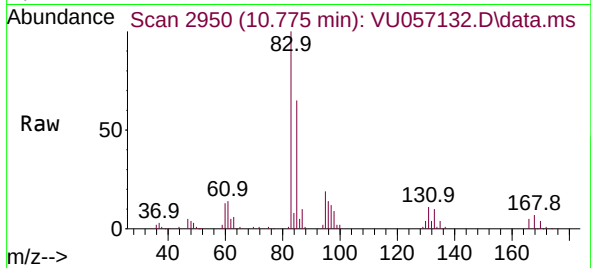




#57
1,1,2,2-Tetrachloroethane
Concen: 9.282 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

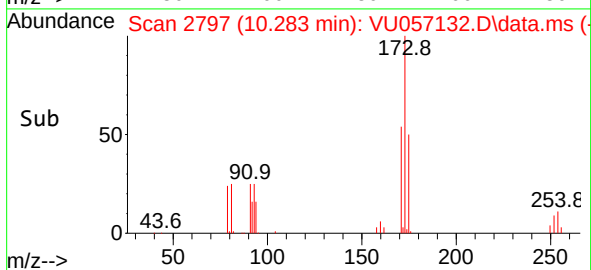
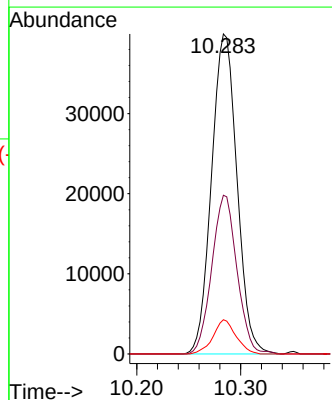
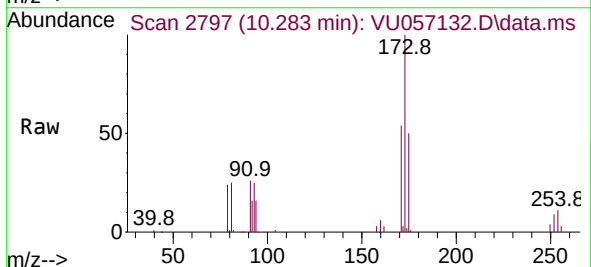
Instrument :
MSVOA_U
ClientSampleId :

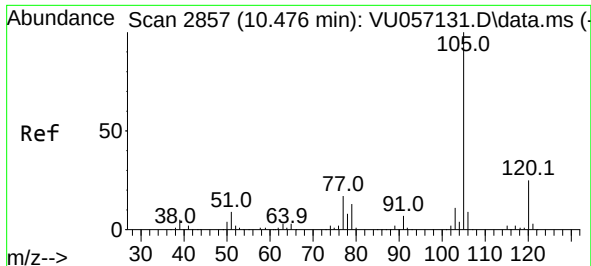
Tgt Ion: 83 Resp: 112569
Ion Ratio Lower Upper
83 100
85 65.2 45.8 85.2
131 10.8 7.0 10.6#



#59
Bromoform
Concen: 9.428 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.000 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

Tgt Ion:173 Resp: 67947
Ion Ratio Lower Upper
173 100
175 48.9 40.5 60.7
254 9.6 8.1 12.1

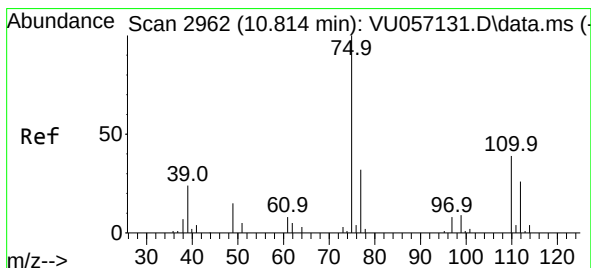
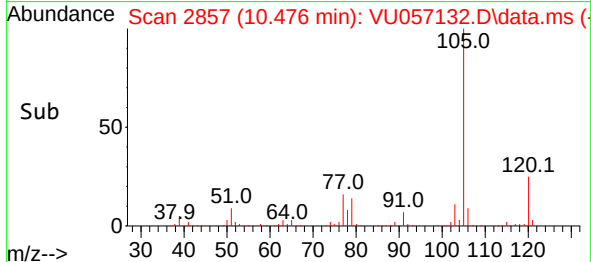
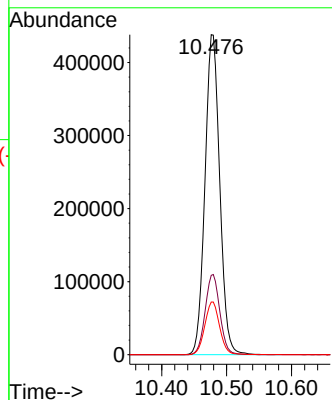
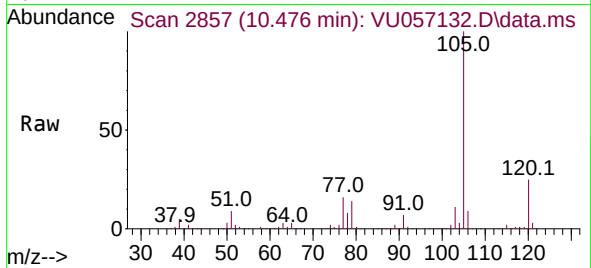




#60
Isopropylbenzene
Concen: 9.970 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

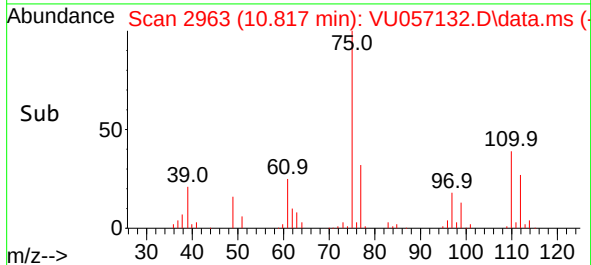
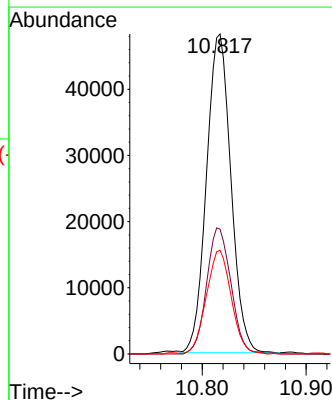
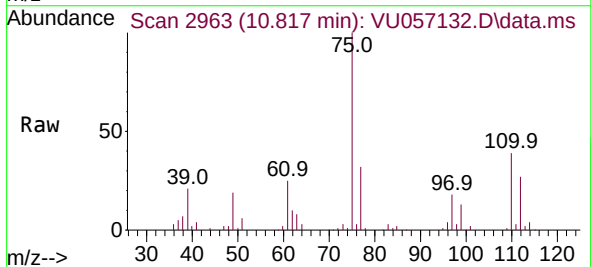
Instrument :
MSVOA_U
ClientSampleId :

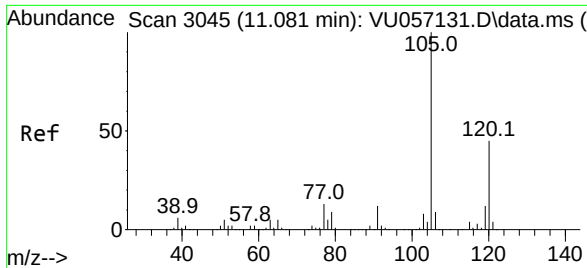
Tgt Ion:105 Resp: 693732
Ion Ratio Lower Upper
105 100
120 24.9 19.8 29.8
77 16.6 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 8.443 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

Tgt Ion: 75 Resp: 78668
Ion Ratio Lower Upper
75 100
110 39.4 31.2 46.8
77 33.2 25.5 38.3

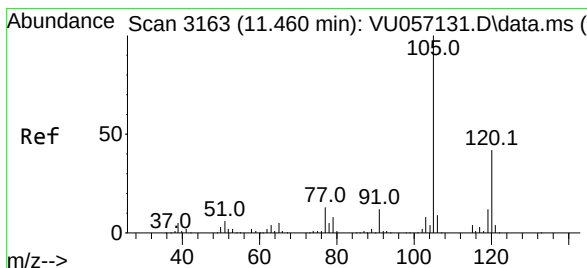
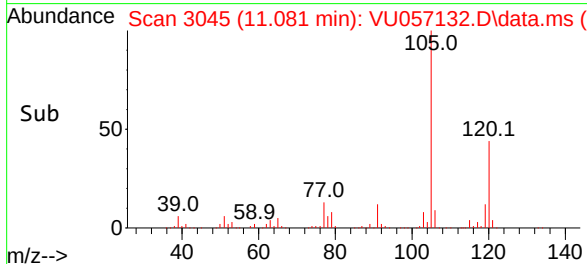
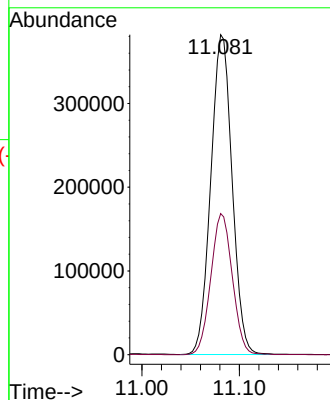
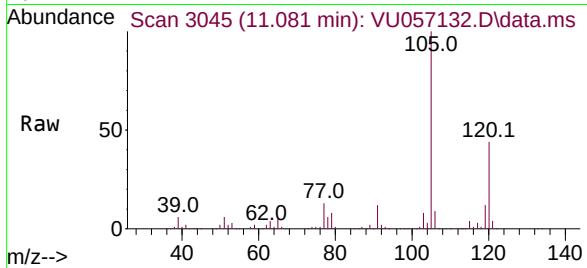




#62
1,3,5-Trimethylbenzene
Concen: 10.197 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

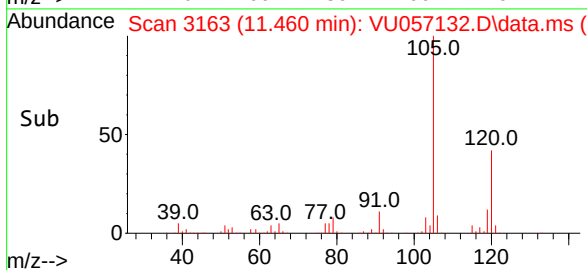
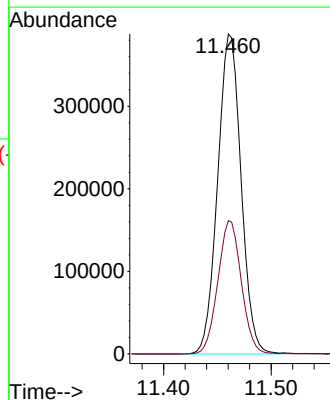
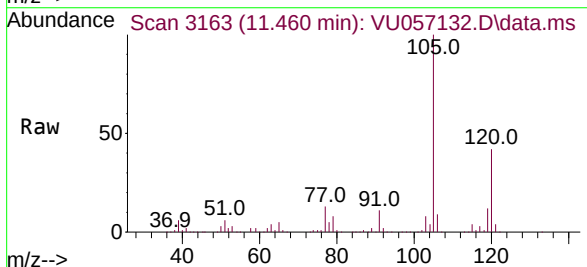
Instrument :
MSVOA_U
ClientSampleId :

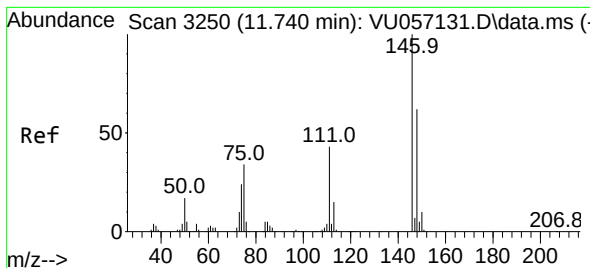
Tgt Ion:105 Resp: 580354
Ion Ratio Lower Upper
105 100
120 44.5 35.8 53.8



#63
1,2,4-Trimethylbenzene
Concen: 10.382 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VU057132.D
Acq: 21 Dec 2023 12:39

Tgt Ion:105 Resp: 586020
Ion Ratio Lower Upper
105 100
120 41.8 33.9 50.9





#64

1,3-Dichlorobenzene

Concen: 9.245 ug/L

RT: 11.740 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

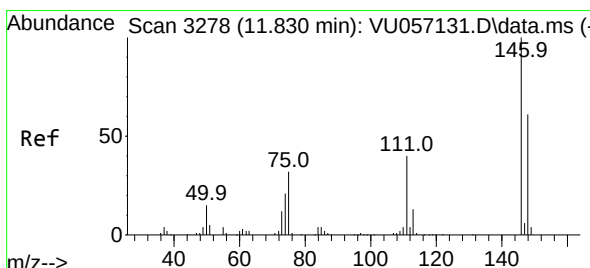
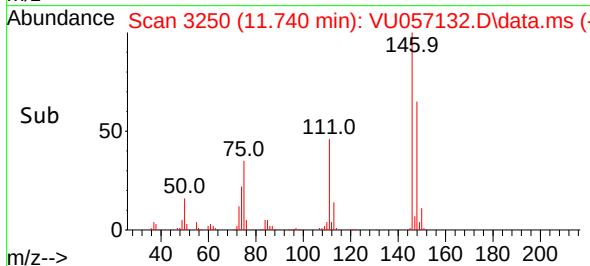
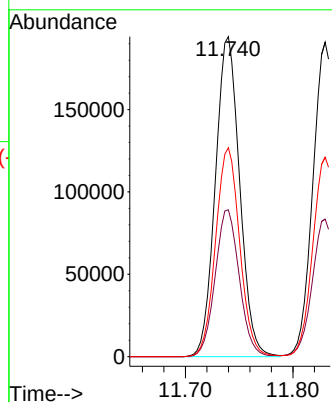
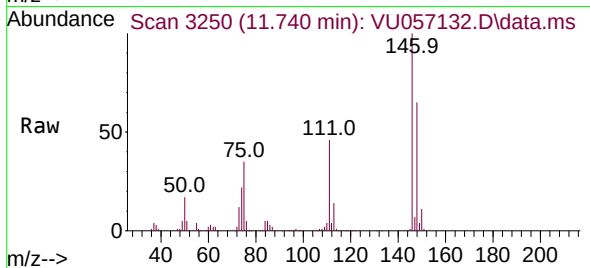
Tgt Ion:146 Resp: 304701

Ion Ratio Lower Upper

146 100

111 45.9 30.4 56.4

148 65.3 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 9.227 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

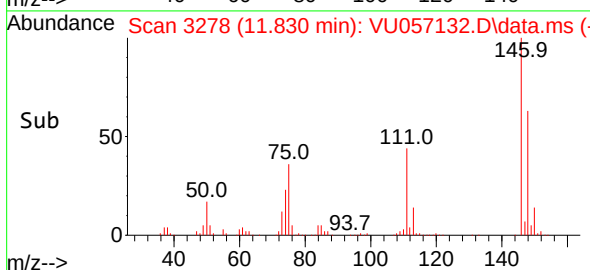
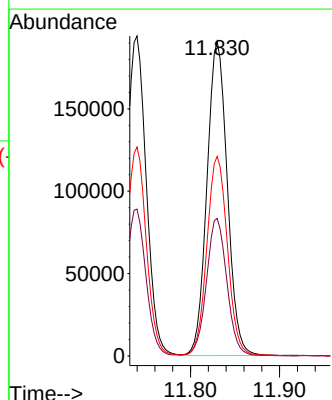
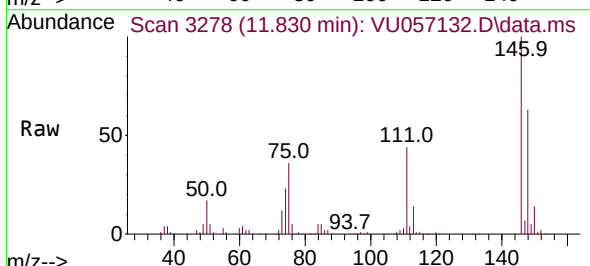
Tgt Ion:146 Resp: 302543

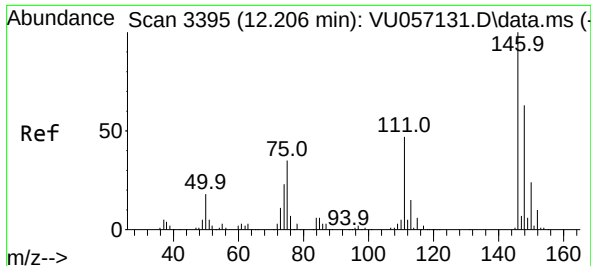
Ion Ratio Lower Upper

146 100

111 43.7 28.1 52.3

148 63.4 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 9.185 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

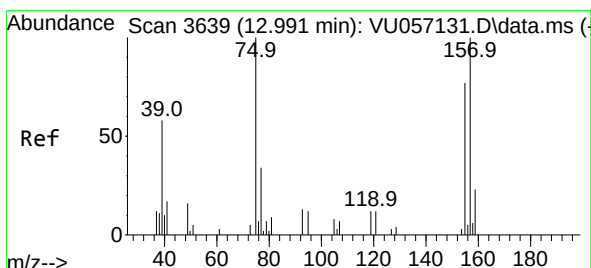
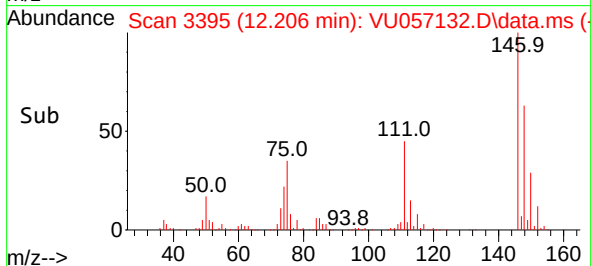
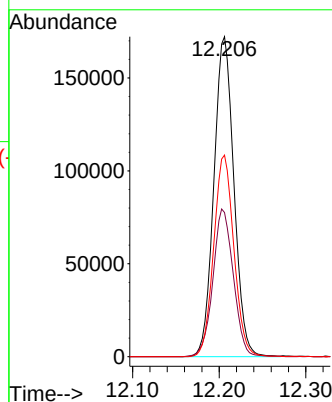
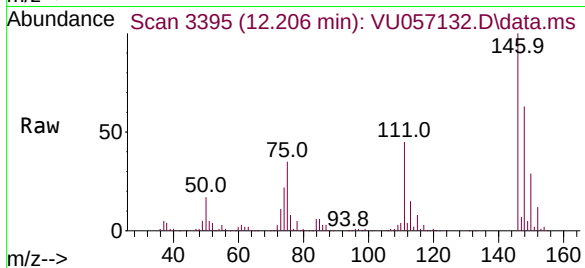
Tgt Ion:146 Resp: 276895

Ion Ratio Lower Upper

146 100

111 45.1 37.9 56.9

148 63.0 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 9.753 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

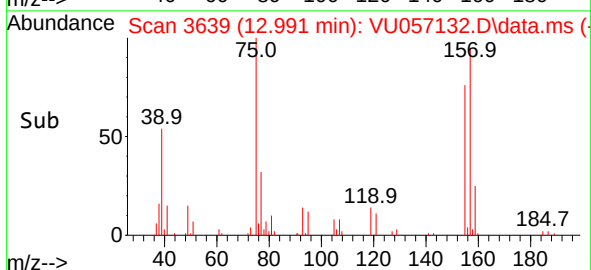
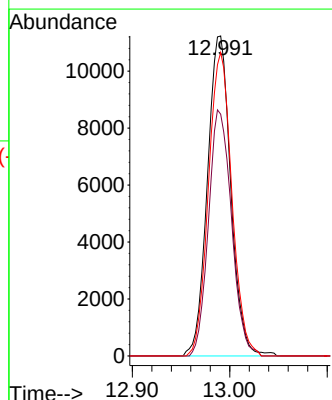
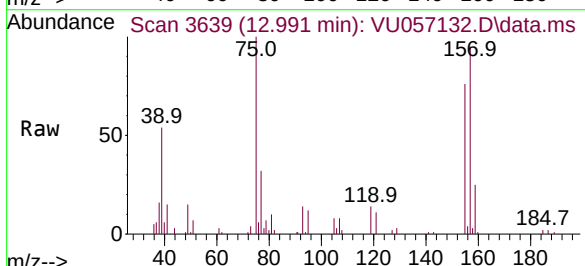
Tgt Ion: 75 Resp: 18719

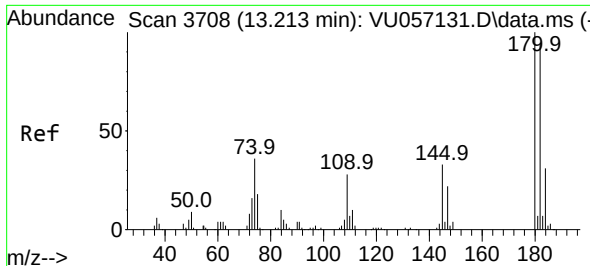
Ion Ratio Lower Upper

75 100

155 75.5 61.4 92.0

157 94.8 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 9.347 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

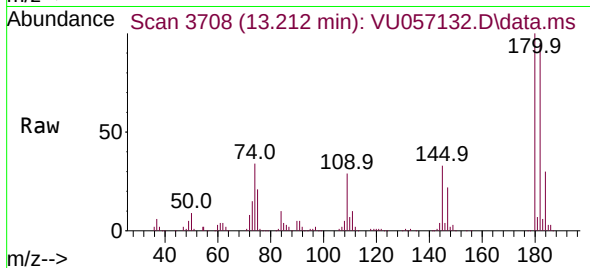
Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 233711

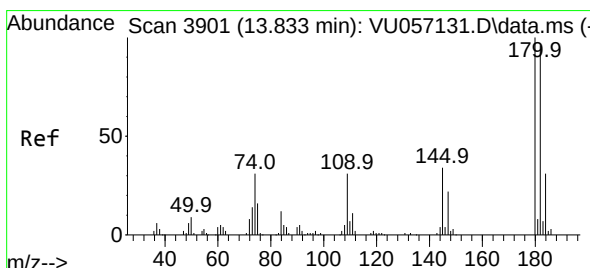
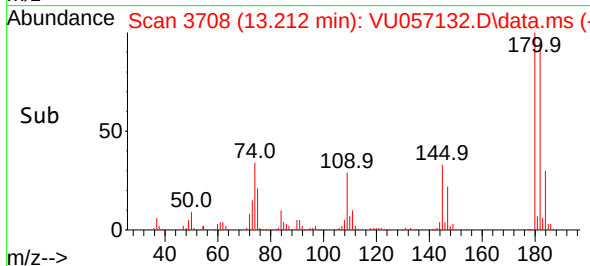
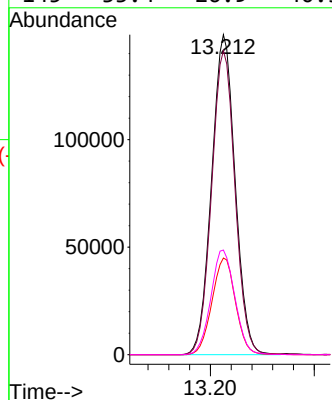
Ion Ratio Lower Upper

180 100

182 94.4 75.6 113.4

184 30.3 24.2 36.2

145 33.4 26.9 40.3



#70

1,2,4-trichlorobenzene

Concen: 9.108 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

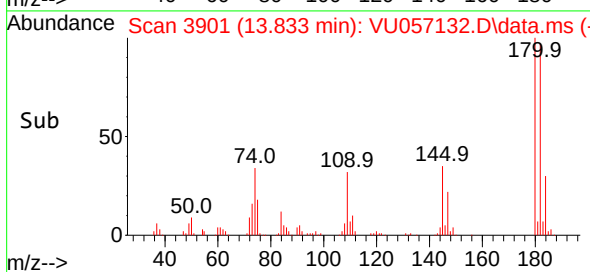
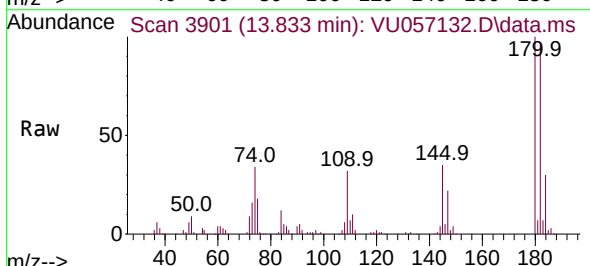
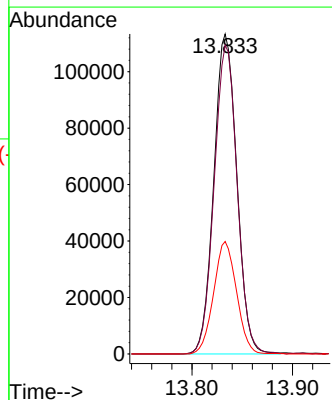
Tgt Ion:180 Resp: 179979

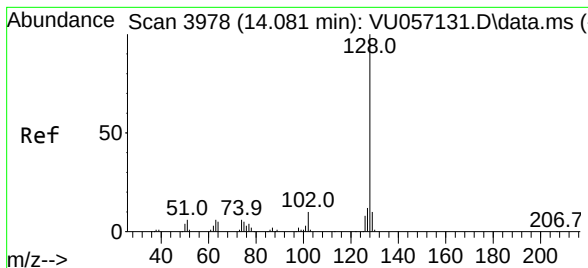
Ion Ratio Lower Upper

180 100

182 96.6 75.4 113.0

145 35.1 27.7 41.5





#71

Naphthalene

Concen: 8.480 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

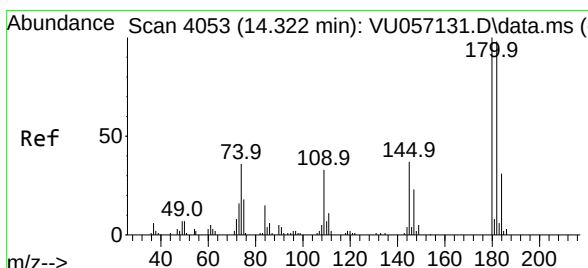
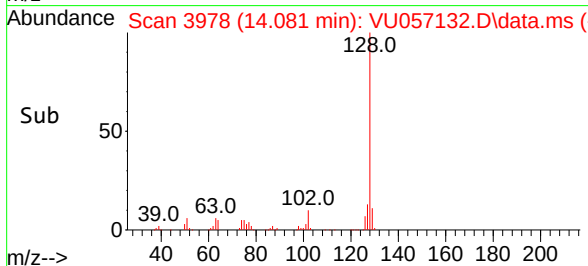
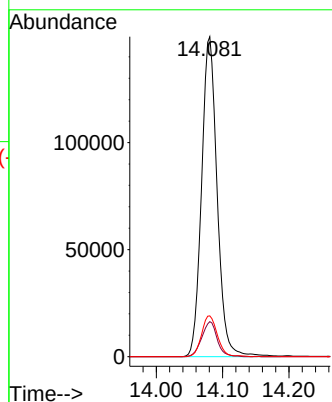
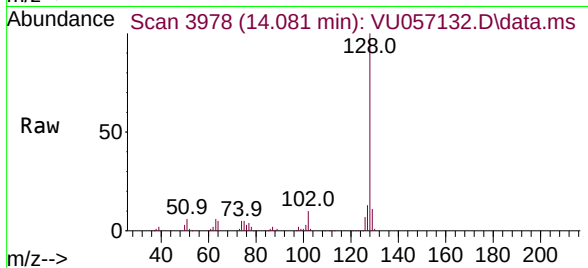
Tgt Ion:128 Resp: 243801

Ion Ratio Lower Upper

128 100

129 10.8 8.2 12.4

127 12.8 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 8.735 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.000 min

Lab File: VU057132.D

Acq: 21 Dec 2023 12:39

Tgt Ion:180 Resp: 145664

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

145 36.1 28.9 43.3

