

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
 Data File : VU057832.D
 Acq On : 07 Feb 2024 10:37
 Operator : MD/SY
 Sample : VSTD100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 08 01:07:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:05:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	271772	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	253630	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	131198	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	218101	111.609	ug/L	0.00
7) Chloroethane-d5	1.904	69	153156	101.014	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	399673	99.994	ug/L	0.00
21) 2-Butanone-d5	4.615	46	254311	261.537	ug/L	0.00
24) Chloroform-d	5.052	84	389895	89.703	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	248089	87.278	ug/L	0.00
32) Benzene-d6	5.718	84	780931	111.028	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	244273	119.600	ug/L	0.00
41) Toluene-d8	7.891	98	711734	109.182	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	126066	108.679	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	213654	304.261	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	327682	111.141	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	254516	98.377	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	232576	77.285	ug/L	99
3) Chloromethane	1.518	50	219814	107.867	ug/L	98
5) Vinyl chloride	1.602	62	234960	107.772	ug/L	99
6) Bromomethane	1.853	94	142223	99.161	ug/L	97
8) Chloroethane	1.924	64	127374	98.811	ug/L	99
9) Trichlorofluoromethane	2.126	101	327733	78.036	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	192781	91.424	ug/L	99
12) 1,1-Dichloroethene	2.570	96	177557	95.350	ug/L	97
13) Acetone	2.624	43	286130	236.488	ug/L	100
14) Carbon disulfide	2.782	76	553446	95.945	ug/L	100
15) Methyl Acetate	2.940	43	195592	125.385	ug/L	99
16) Methylene chloride	3.036	84	200729	94.777	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	182367	96.054	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	647391	105.064	ug/L	99
19) 1,1-Dichloroethane	3.856	63	371848	103.967	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	212450	103.177	ug/L	97
22) 2-Butanone	4.692	43	325849	267.166	ug/L	99
23) Bromochloromethane	4.965	128	104177	90.599	ug/L	98
25) Chloroform	5.078	83	377367	89.876	ug/L	99
27) 1,2-Dichloroethane	5.782	62	309223	88.560	ug/L	100
29) Cyclohexane	5.380	56	333762	126.888	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	327605	85.325	ug/L	100
31) Carbon tetrachloride	5.515	117	287183	84.849	ug/L	100
33) Benzene	5.766	78	808206	108.706	ug/L	100
34) Trichloroethene	6.534	95	217411	101.348	ug/L	99
35) Methylcyclohexane	6.756	83	344776	114.479	ug/L	99
37) 1,2-Dichloropropane	6.782	63	220590	117.228	ug/L	99
38) Bromodichloromethane	7.097	83	281868	94.169	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	371577	115.245	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	571004	283.638	ug/L	100
42) Toluene	7.962	91	853509	107.762	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	344084	108.573	ug/L	99

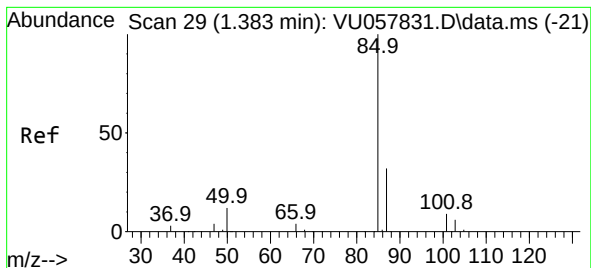
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
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 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:05:45 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	204146	102.712	ug/L	99
46) Tetrachloroethene	8.547	164	150903	94.943	ug/L	98
48) 2-Hexanone	8.682	43	487231	294.545	ug/L	97
49) Dibromochloromethane	8.804	129	214987	91.785	ug/L	98
50) 1,2-Dibromoethane	8.917	107	222508	105.393	ug/L	97
51) Chlorobenzene	9.441	112	541257	102.509	ug/L	99
52) Ethylbenzene	9.563	91	970031	109.759	ug/L	99
53) m,p-Xylene	9.689	106	362456	109.731	ug/L	98
54) o-Xylene	10.094	106	349918	108.785	ug/L	95
55) Styrene	10.110	104	604722	111.530	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	338203	110.911	ug/L	99
59) Bromoform	10.287	173	159314	86.067	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	270308	105.548	ug/L	99
61) Isopropylbenzene	10.476	105	962231	109.031	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	821596	108.957	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	827274	111.823	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	415024	100.840	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	418288	98.842	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	413461	99.710	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	72470	105.942	ug/L	88
69) 1,3,5-Trichlorobenzene	13.212	180	296366	100.171	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	258378	112.286	ug/L	99
71) Naphthalene	14.081	128	748753	135.750	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	243686	113.209	ug/L	99

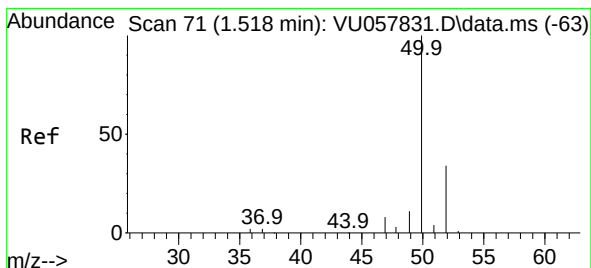
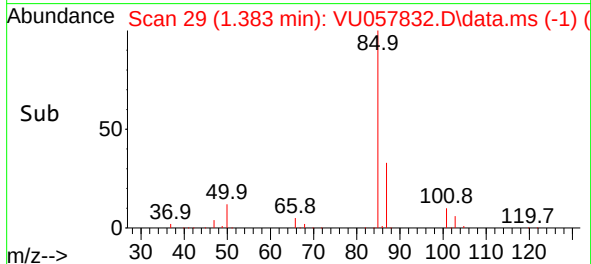
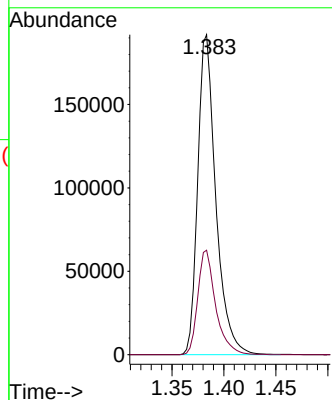
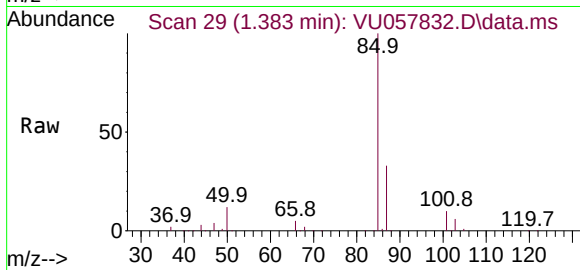
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 77.285 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU057832.D
 Acq: 07 Feb 2024 10:37

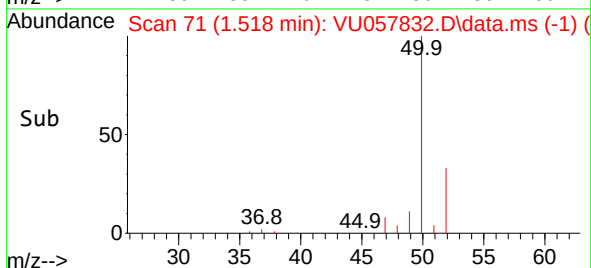
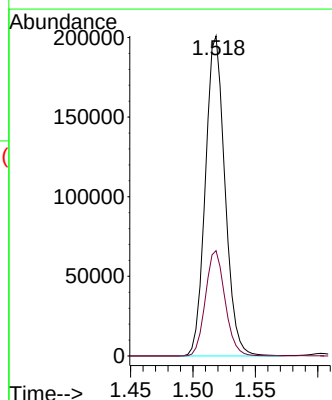
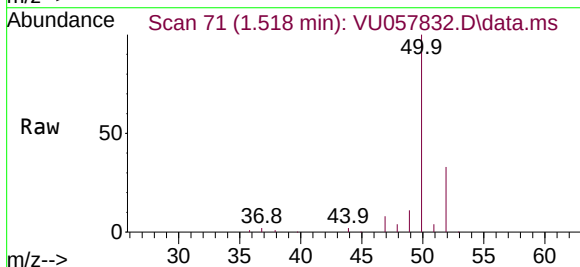
Instrument :
 MSVOA_U
 ClientSampleId :

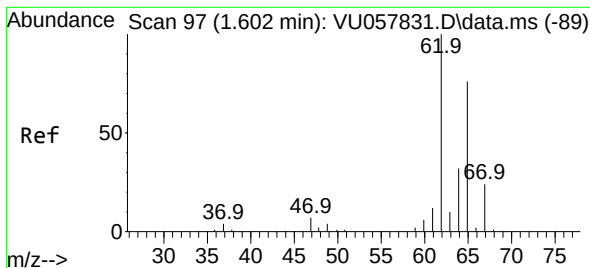
Tgt Ion: 85 Resp: 232576
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.4 38.0



#3
 Chloromethane
 Concen: 107.867 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU057832.D
 Acq: 07 Feb 2024 10:37

Tgt Ion: 50 Resp: 219814
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.7 43.9





#5

Vinyl chloride

Concen: 107.772 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Instrument :

MSVOA_U

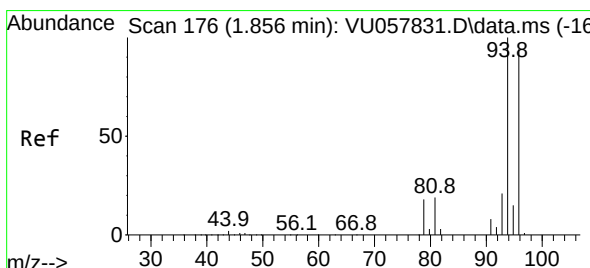
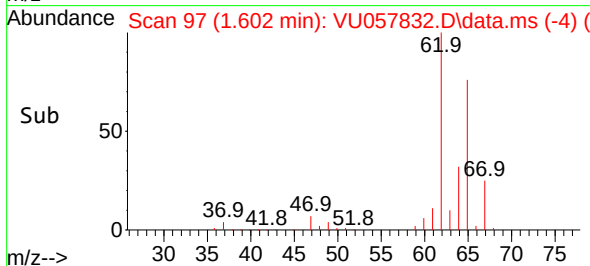
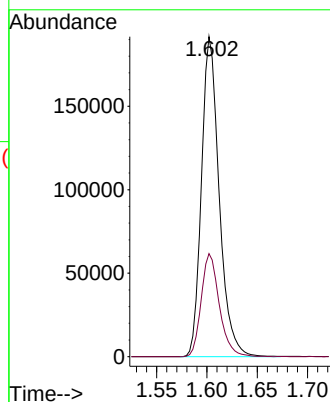
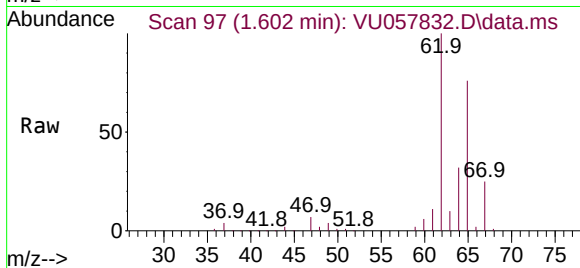
ClientSampleId :

Tgt Ion: 62 Resp: 234960

Ion Ratio Lower Upper

62 100

64 32.2 22.1 41.1



#6

Bromomethane

Concen: 99.161 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.003 min

Lab File: VU057832.D

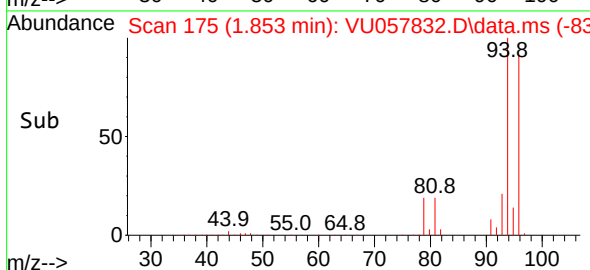
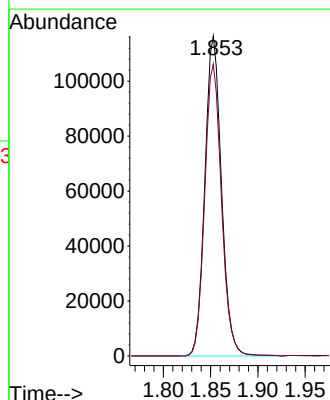
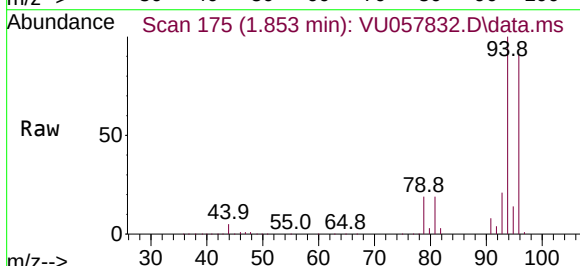
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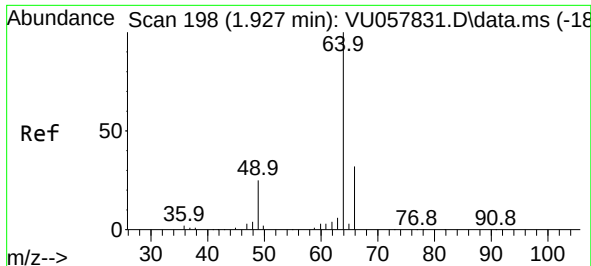
Tgt Ion: 94 Resp: 142223

Ion Ratio Lower Upper

94 100

96 91.2 66.0 122.6





#8

Chloroethane

Concen: 98.811 ug/L

RT: 1.924 min Scan# 19

Delta R.T. -0.003 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Instrument :

MSVOA_U

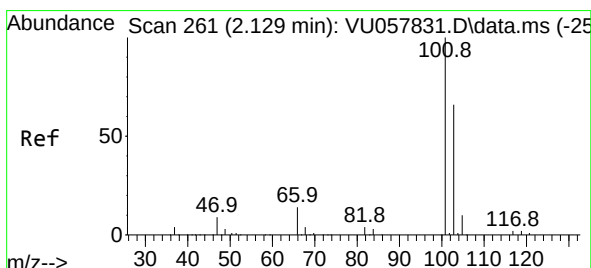
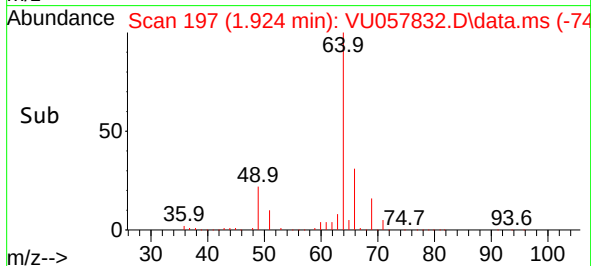
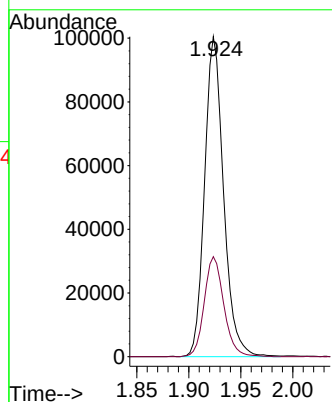
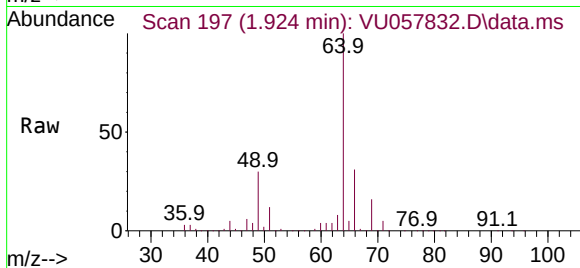
ClientSampleId :

Tgt Ion: 64 Resp: 127374

Ion Ratio Lower Upper

64 100

66 31.2 22.1 41.1



#9

Trichlorofluoromethane

Concen: 78.036 ug/L

RT: 2.126 min Scan# 260

Delta R.T. -0.003 min

Lab File: VU057832.D

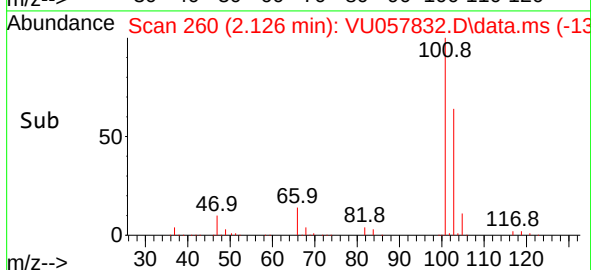
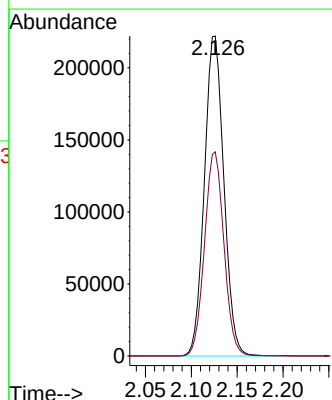
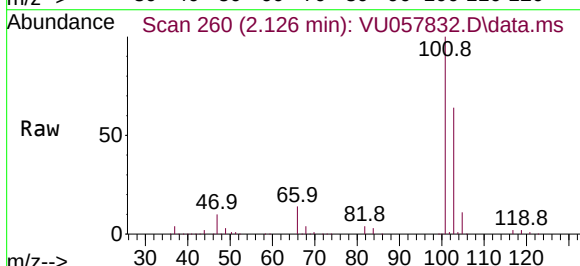
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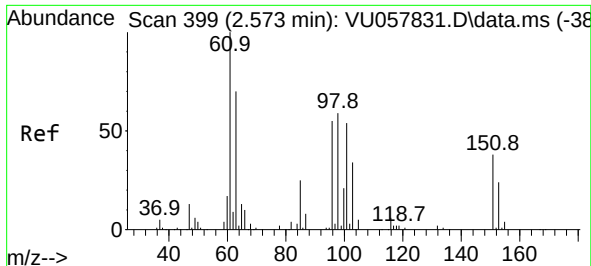
Tgt Ion:101 Resp: 327733

Ion Ratio Lower Upper

101 100

103 63.6 52.4 78.6

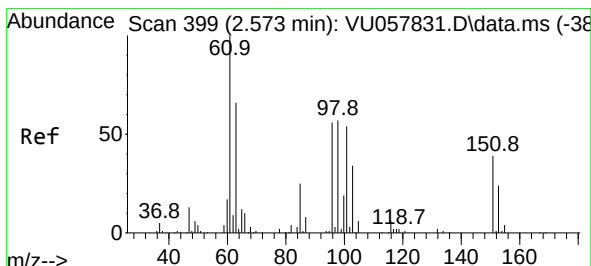
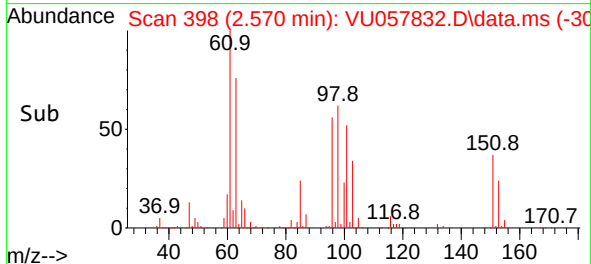
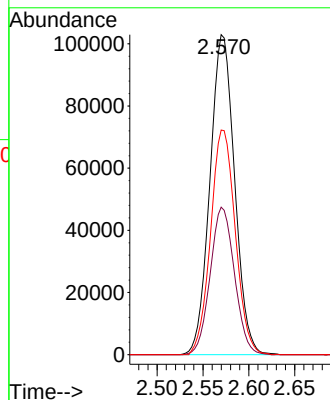
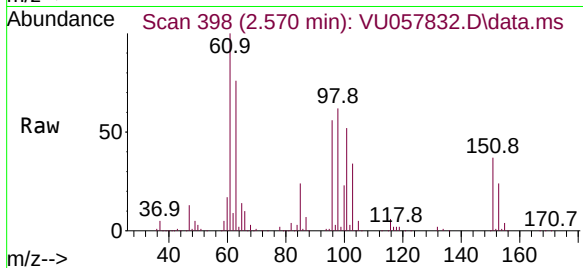




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 91.424 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.003 min
 Lab File: VU057832.D
 Acq: 07 Feb 2024 10:37

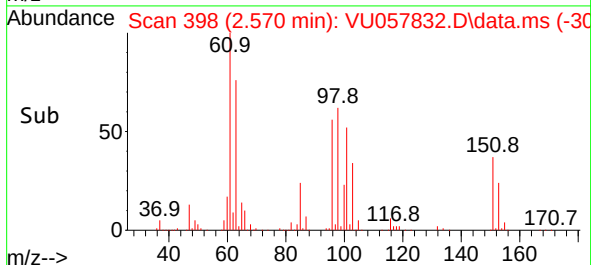
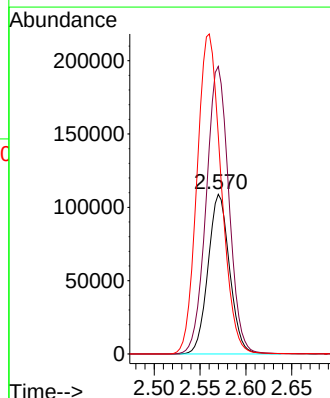
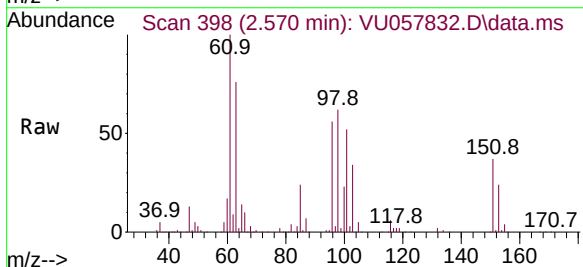
Instrument :
 MSVOA_U
 ClientSampleId :

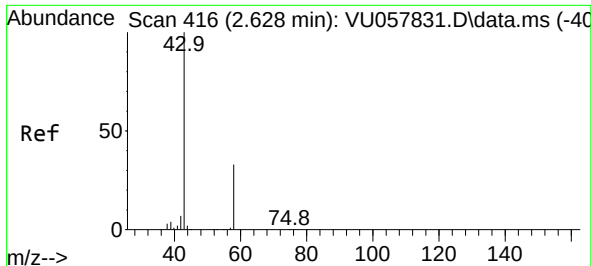
Tgt Ion:101 Resp: 192781
 Ion Ratio Lower Upper
 101 100
 85 45.3 36.1 54.1
 151 70.3 55.8 83.6



#12
 1,1-Dichloroethene
 Concen: 95.350 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.003 min
 Lab File: VU057832.D
 Acq: 07 Feb 2024 10:37

Tgt Ion: 96 Resp: 177557
 Ion Ratio Lower Upper
 96 100
 61 180.1 126.3 234.6
 63 136.9 89.7 166.7





#13

Acetone

Concen: 236.488 ug/L

RT: 2.624 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Instrument :

MSVOA_U

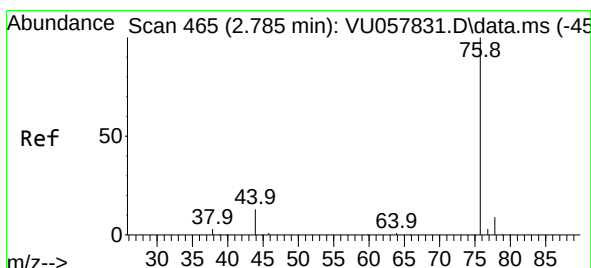
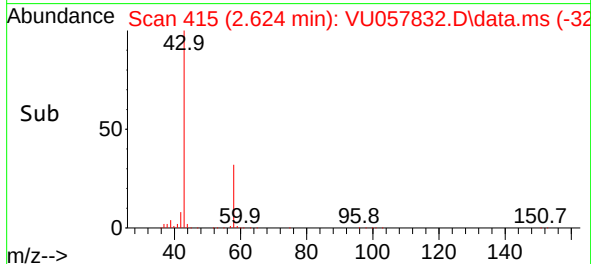
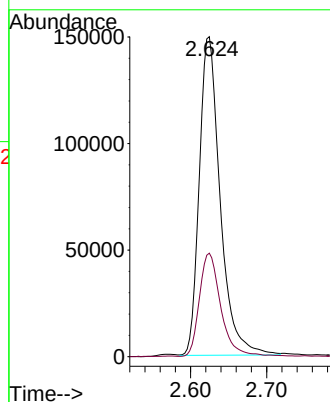
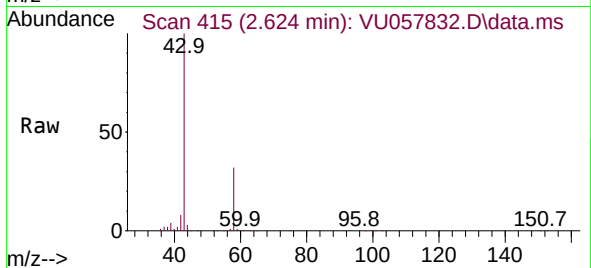
ClientSampleId :

Tgt Ion: 43 Resp: 286130

Ion Ratio Lower Upper

43 100

58 32.8 0.0 65.8



#14

Carbon disulfide

Concen: 95.945 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.003 min

Lab File: VU057832.D

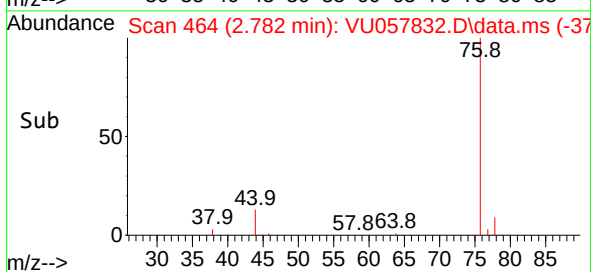
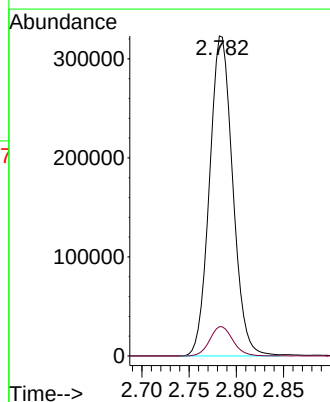
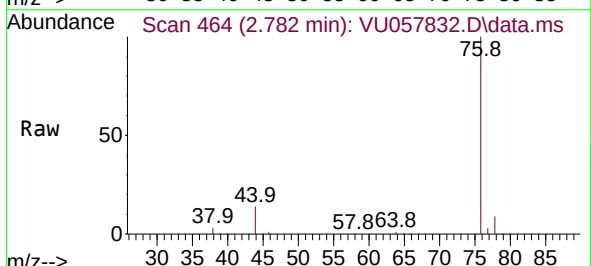
Acq: 07 Feb 2024 10:37

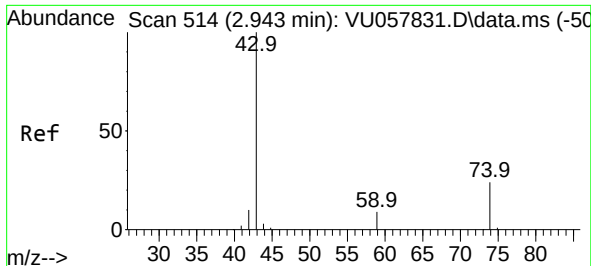
Tgt Ion: 76 Resp: 553446

Ion Ratio Lower Upper

76 100

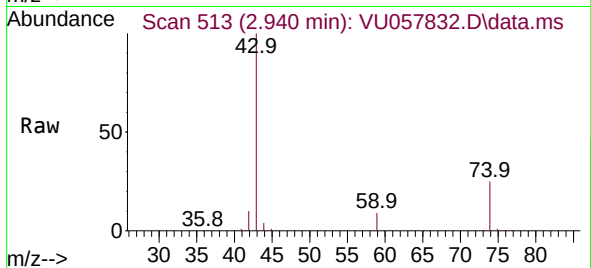
78 9.1 7.2 10.8



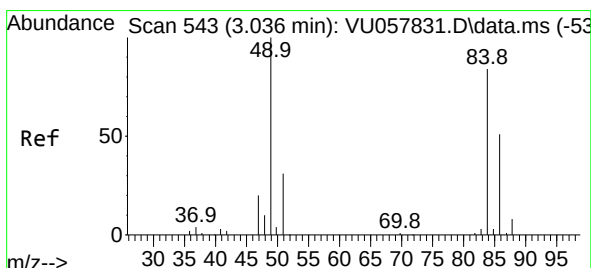
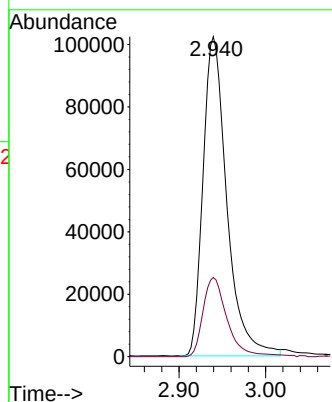
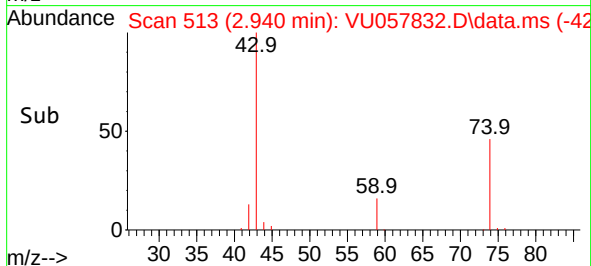


#15
Methyl Acetate
Concen: 125.385 ug/L
RT: 2.940 min Scan# 514
Delta R.T. -0.003 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

Instrument :
MSVOA_U
ClientSampleId :

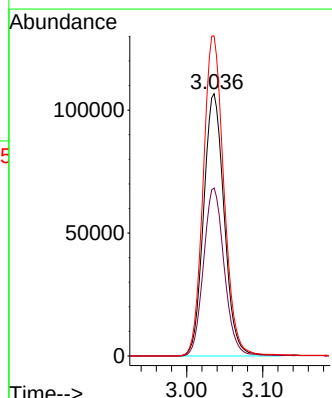
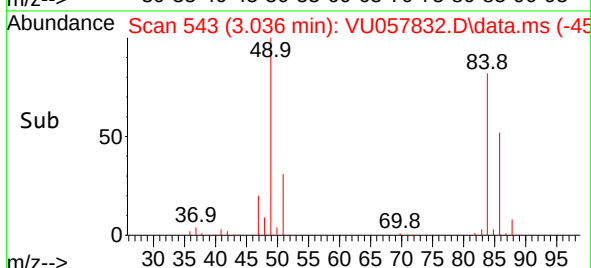
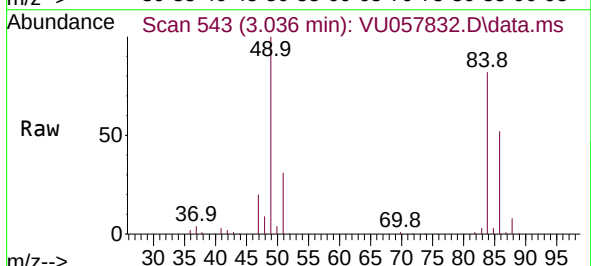


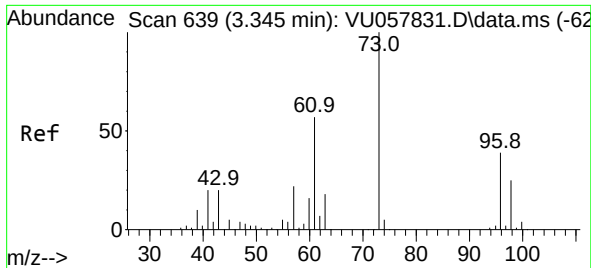
Tgt Ion: 43 Resp: 195592
Ion Ratio Lower Upper
43 100
74 25.2 19.7 29.5



#16
Methylene chloride
Concen: 94.777 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

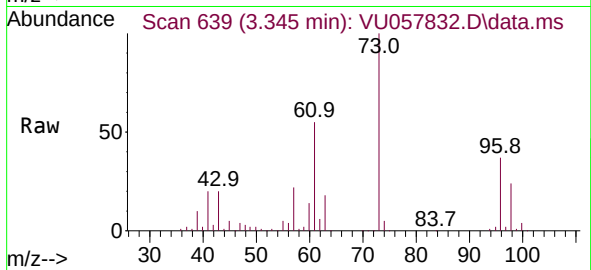
Tgt Ion: 84 Resp: 200729
Ion Ratio Lower Upper
84 100
86 64.1 43.0 80.0
49 122.0 83.7 155.4



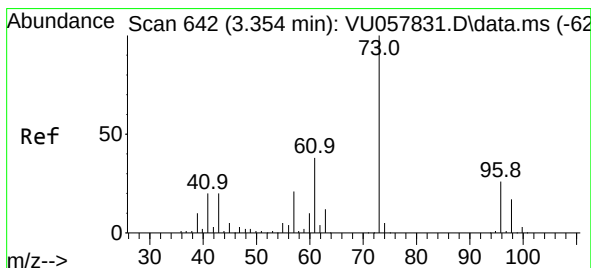
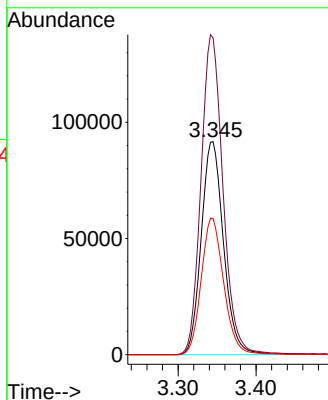
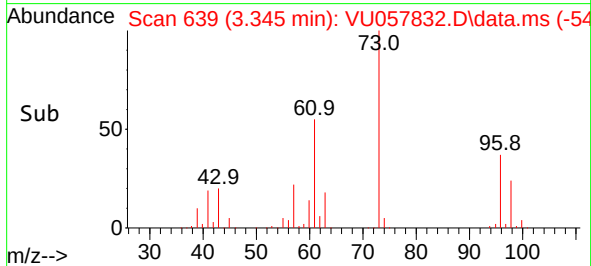


#17
trans-1,2-Dichloroethene
Concen: 96.054 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

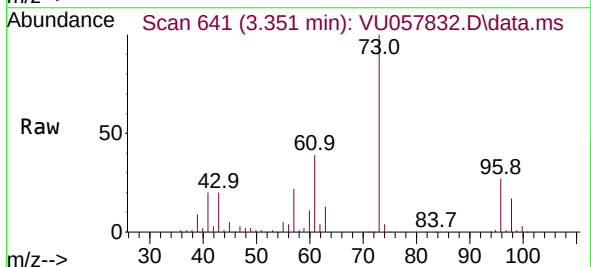
Instrument :
MSVOA_U
ClientSampleId :



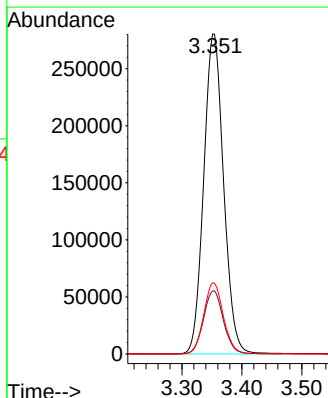
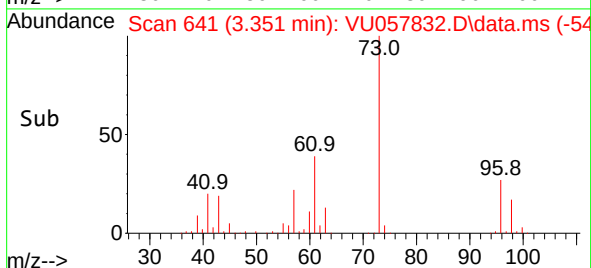
Tgt Ion: 96 Resp: 182367
Ion Ratio Lower Upper
96 100
61 148.7 102.8 190.8
98 64.0 44.2 82.2

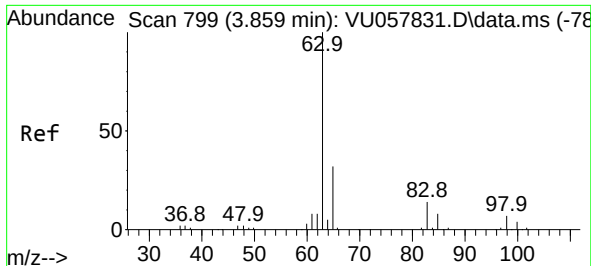


#18
Methyl tert-butyl Ether
Concen: 105.064 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37



Tgt Ion: 73 Resp: 647391
Ion Ratio Lower Upper
73 100
43 19.7 16.2 24.2
57 22.0 17.6 26.4





#19

1,1-Dichloroethane

Concen: 103.967 ug/L

RT: 3.856 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Instrument :

MSVOA_U

ClientSampleId :

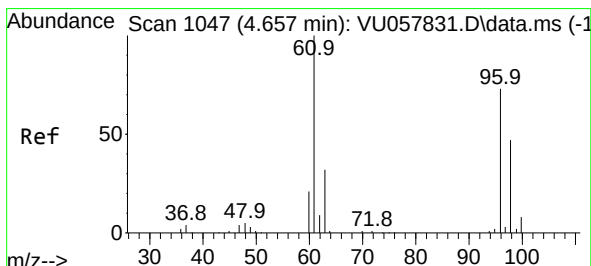
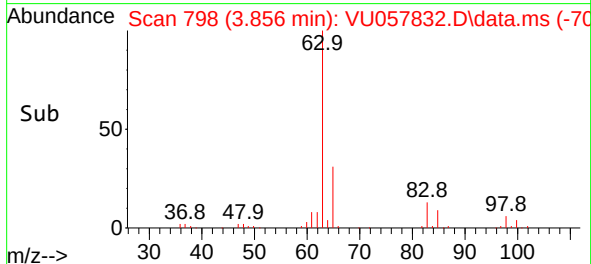
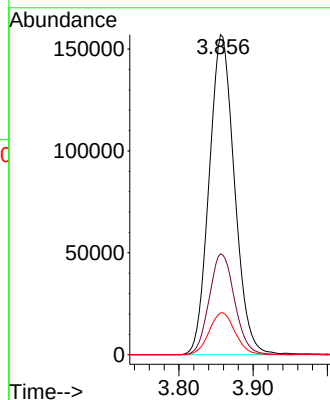
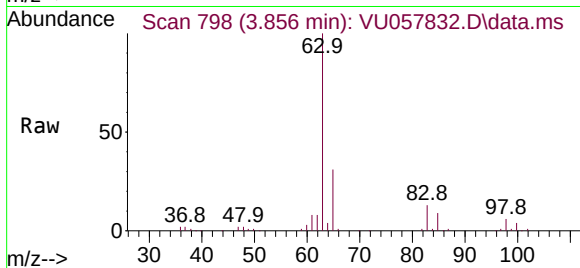
Tgt Ion: 63 Resp: 371848

Ion Ratio Lower Upper

63 100

65 31.5 22.7 42.3

83 13.1 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 103.177 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.003 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

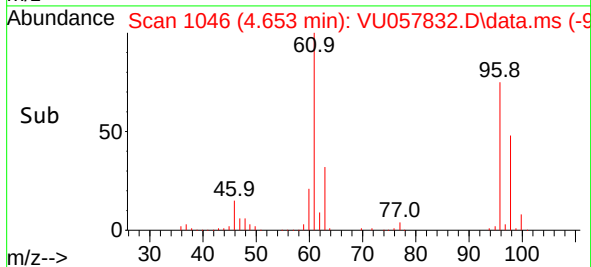
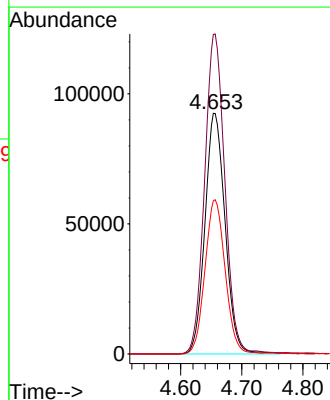
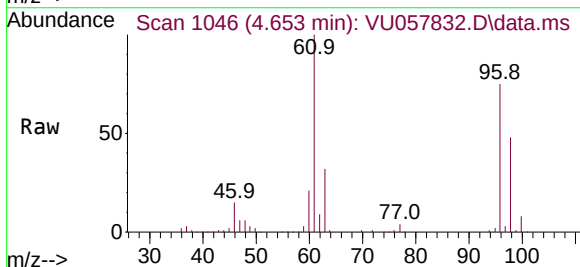
Tgt Ion: 96 Resp: 212450

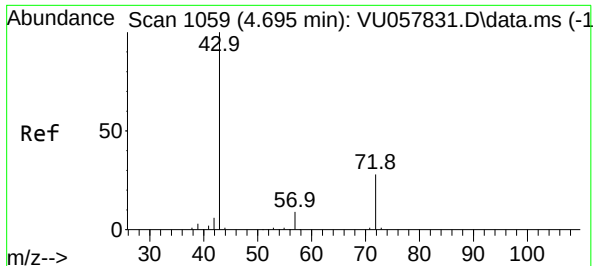
Ion Ratio Lower Upper

96 100

61 132.8 95.7 177.7

98 63.7 45.2 84.0





#22

2-Butanone

Concen: 267.166 ug/L

RT: 4.692 min Scan# 1058

Delta R.T. -0.003 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Instrument :

MSVOA_U

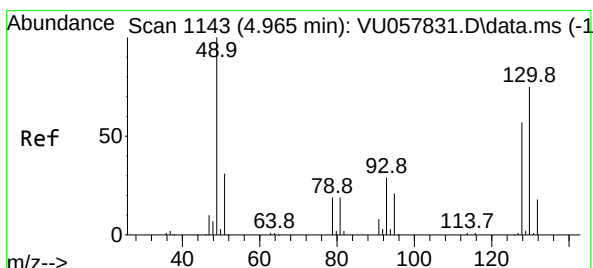
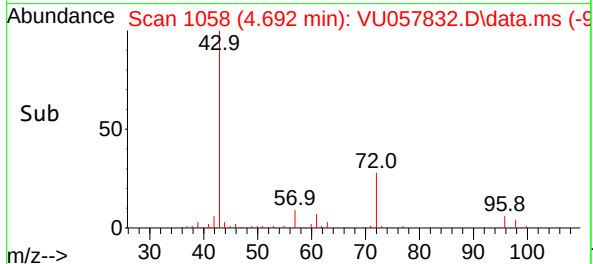
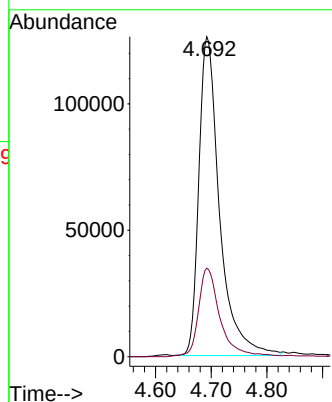
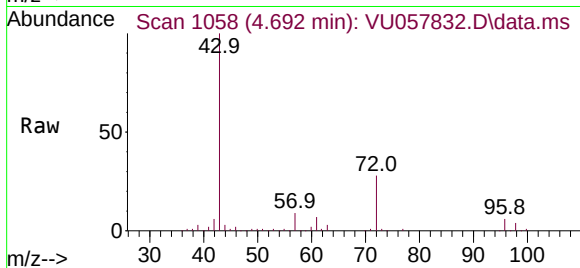
ClientSampleId :

Tgt Ion: 43 Resp: 325849

Ion Ratio Lower Upper

43 100

72 28.2 13.8 41.3



#23

Bromochloromethane

Concen: 90.599 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Tgt Ion:128 Resp: 104177

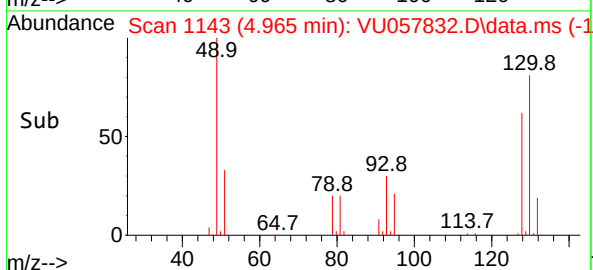
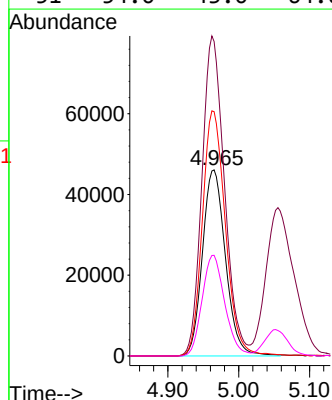
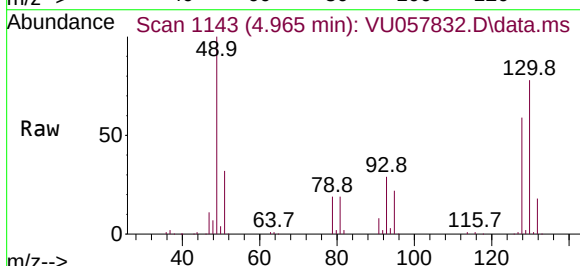
Ion Ratio Lower Upper

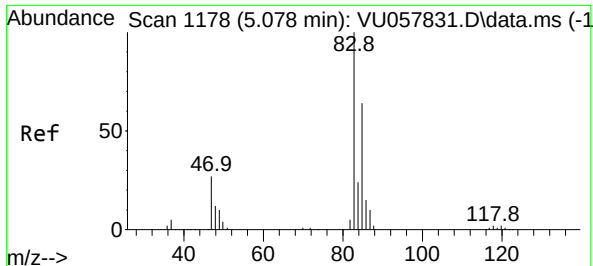
128 100

49 168.9 122.4 227.2

130 131.3 91.8 170.4

51 54.0 43.0 64.6





#25

Chloroform

Concen: 89.876 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Instrument :

MSVOA_U

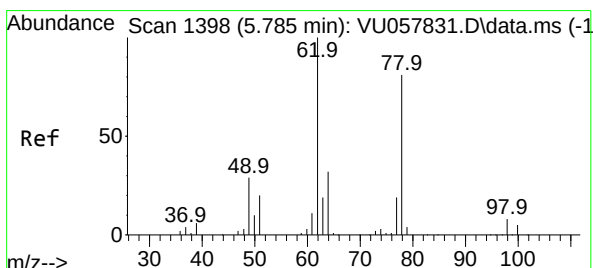
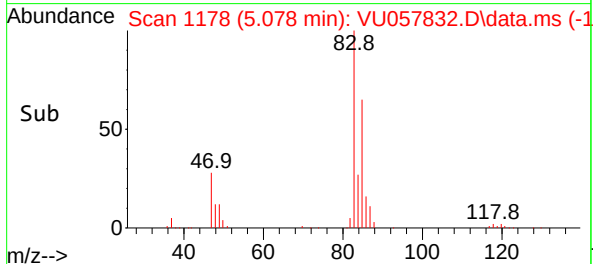
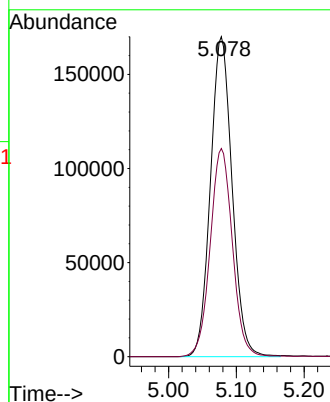
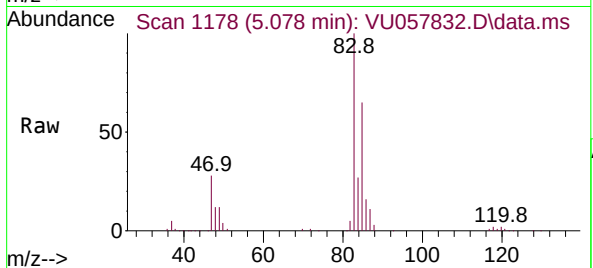
ClientSampleId :

Tgt Ion: 83 Resp: 377367

Ion Ratio Lower Upper

83 100

85 65.0 45.0 83.6



#27

1,2-Dichloroethane

Concen: 88.560 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU057832.D

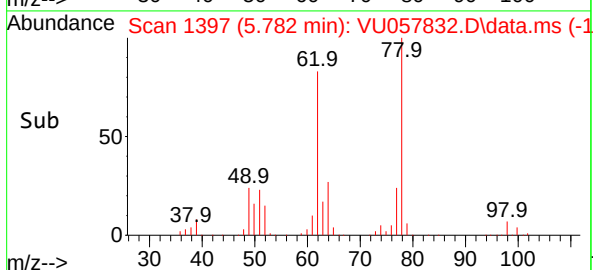
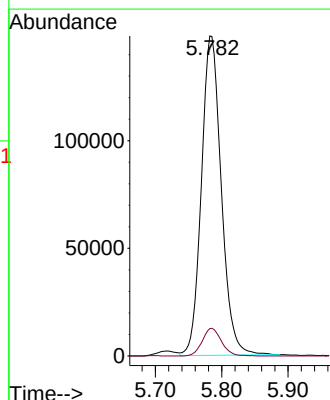
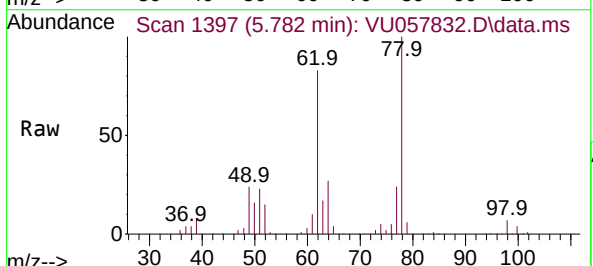
Acq: 07 Feb 2024 10:37

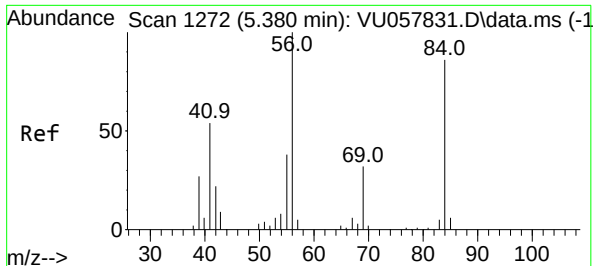
Tgt Ion: 62 Resp: 309223

Ion Ratio Lower Upper

62 100

98 8.6 6.7 10.1





#29

Cyclohexane

Concen: 126.888 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Instrument :

MSVOA_U

ClientSampleId :

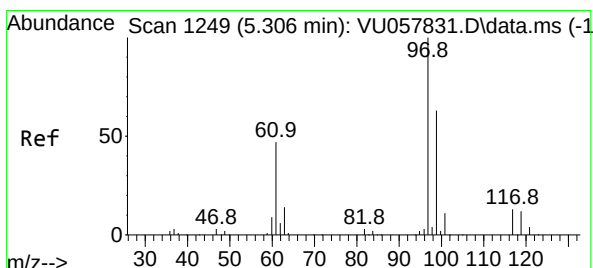
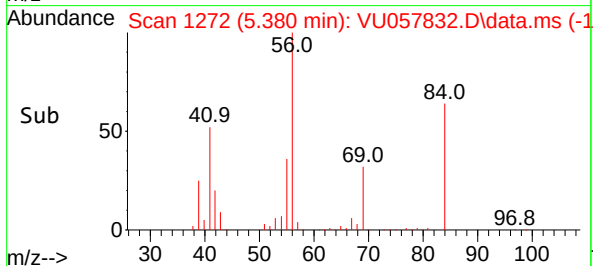
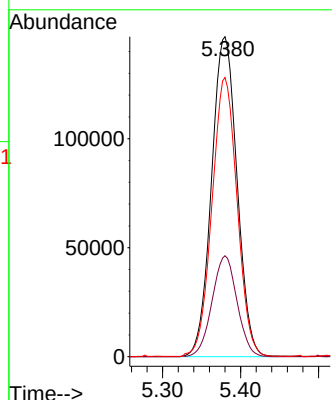
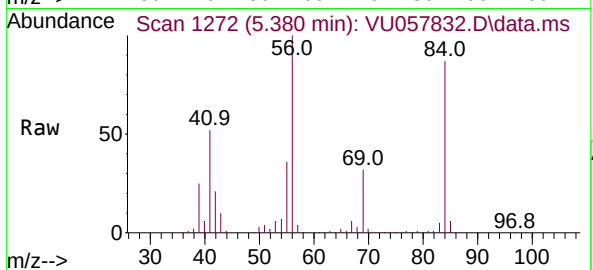
Tgt Ion: 56 Resp: 333762

Ion Ratio Lower Upper

56 100

69 30.9 25.4 38.0

84 85.8 70.4 105.6



#30

1,1,1-Trichloroethane

Concen: 85.325 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

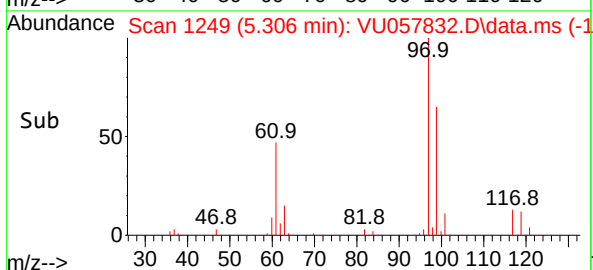
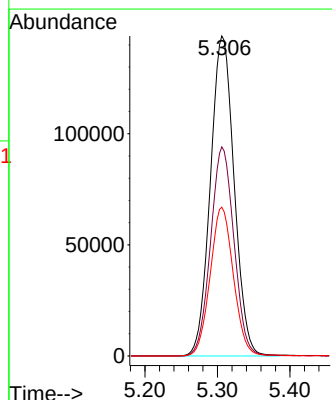
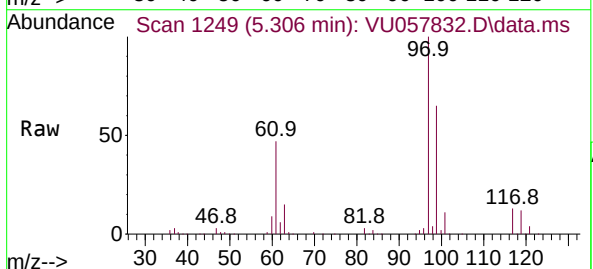
Tgt Ion: 97 Resp: 327605

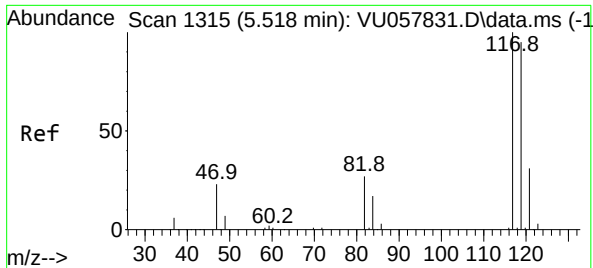
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 45.4 36.7 55.1

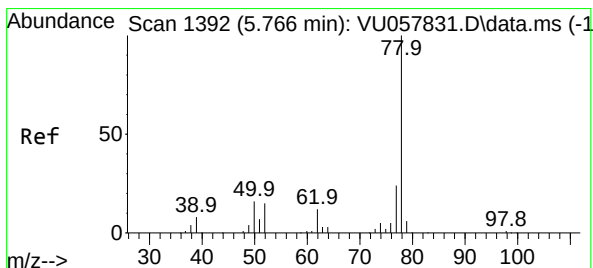
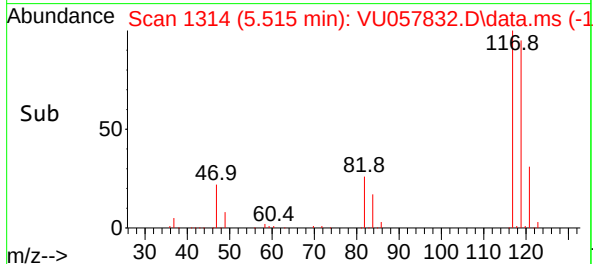
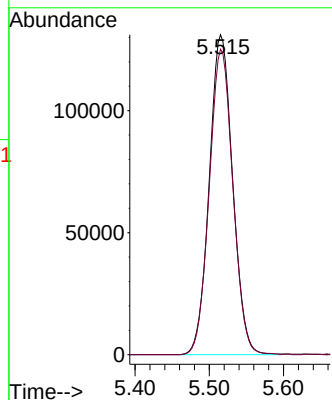
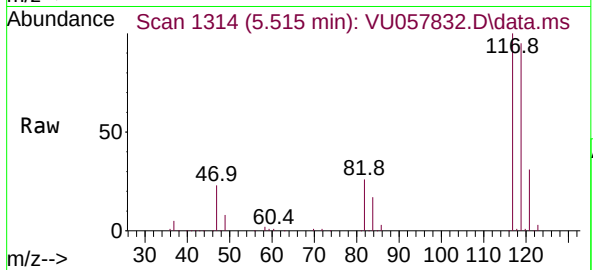




#31
Carbon tetrachloride
Concen: 84.849 ug/L
RT: 5.515 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

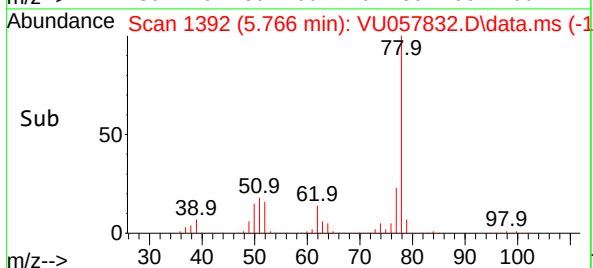
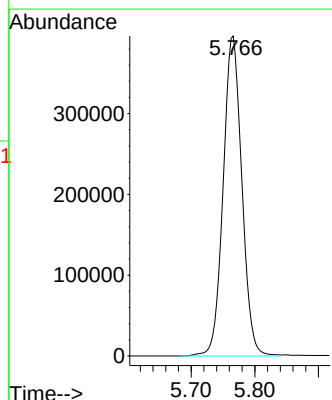
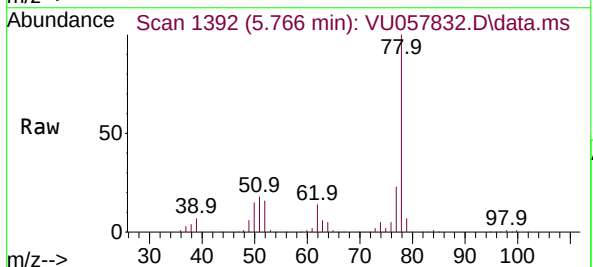
Instrument :
MSVOA_U
ClientSampleId :

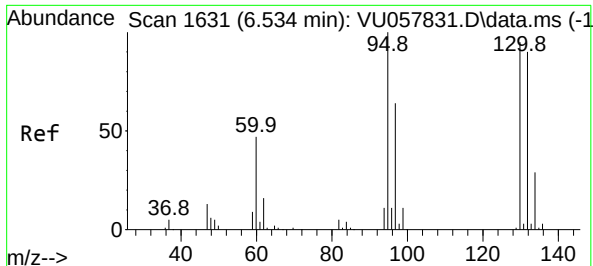
Tgt Ion:117 Resp: 287183
Ion Ratio Lower Upper
117 100
119 96.1 76.7 115.1



#33
Benzene
Concen: 108.706 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

Tgt Ion: 78 Resp: 808206

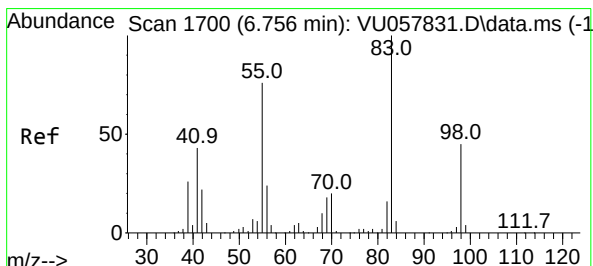
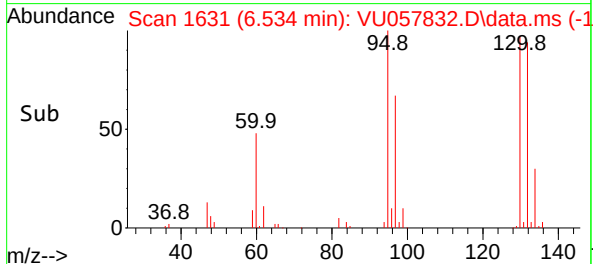
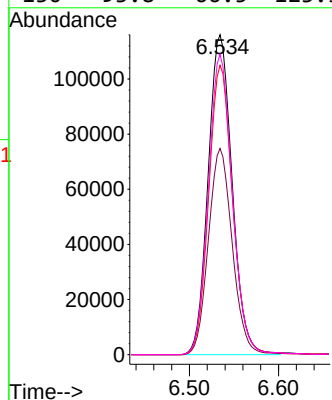
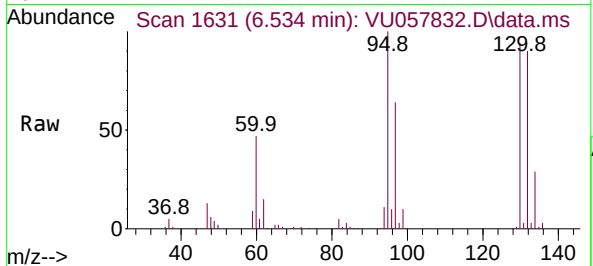




#34
Trichloroethene
Concen: 101.348 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

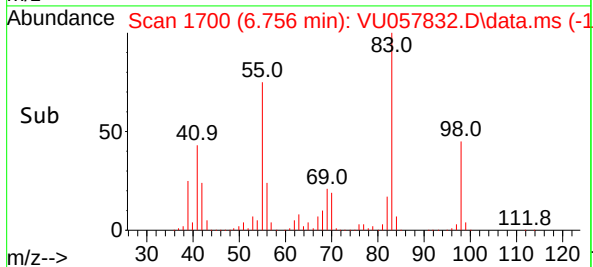
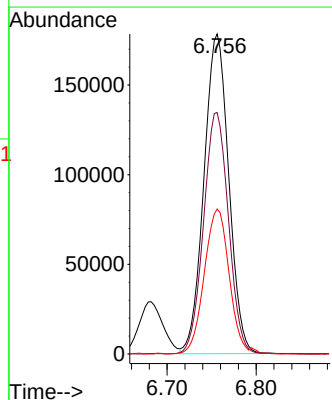
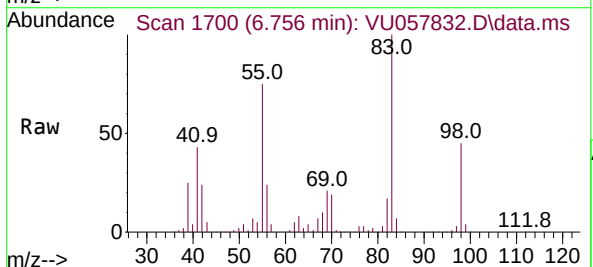
Instrument :
MSVOA_U
ClientSampleId :

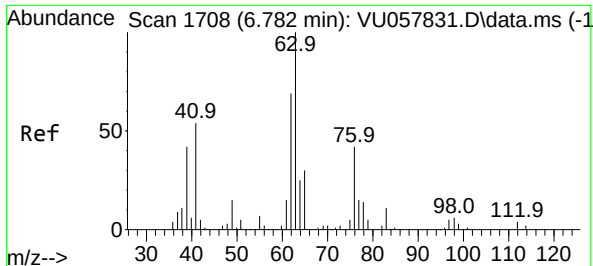
Tgt Ion: 95 Resp: 217411
Ion Ratio Lower Upper
95 100
97 64.5 44.9 83.5
132 90.4 63.1 117.1
130 93.8 66.5 123.5



#35
Methylcyclohexane
Concen: 114.479 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

Tgt Ion: 83 Resp: 344776
Ion Ratio Lower Upper
83 100
55 75.7 59.9 89.9
98 45.2 36.8 55.2

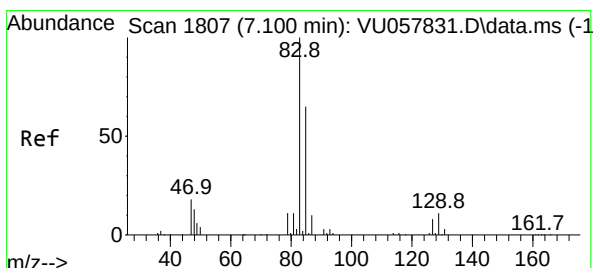
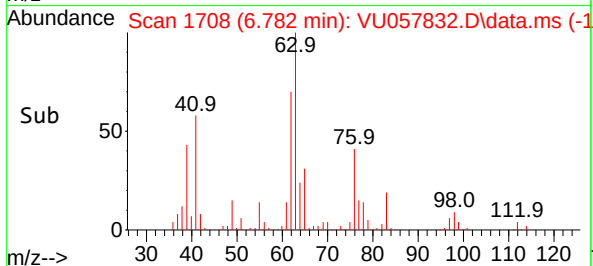
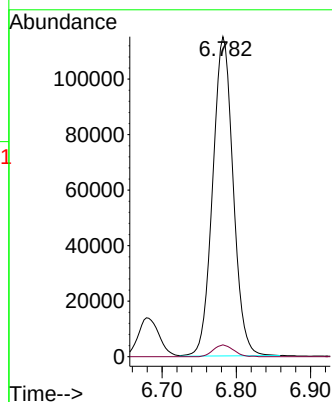
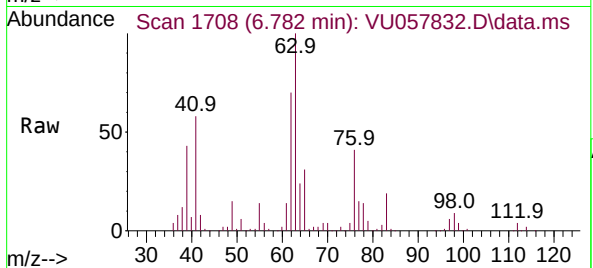




#37
1,2-Dichloropropane
Concen: 117.228 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

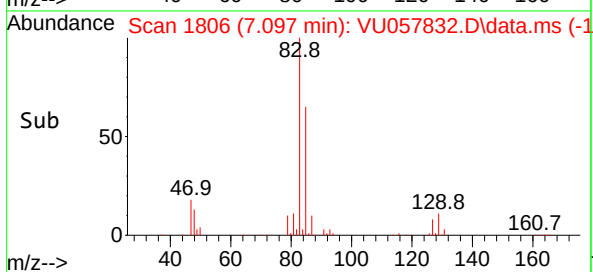
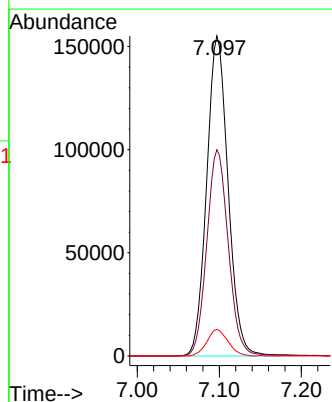
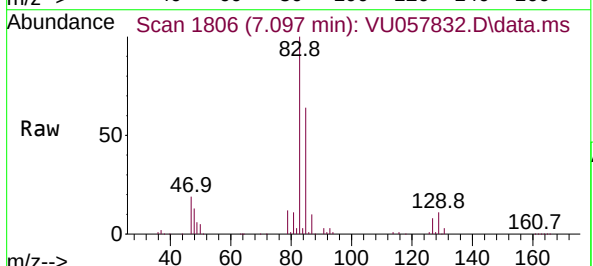
Instrument :
MSVOA_U
ClientSampleId :

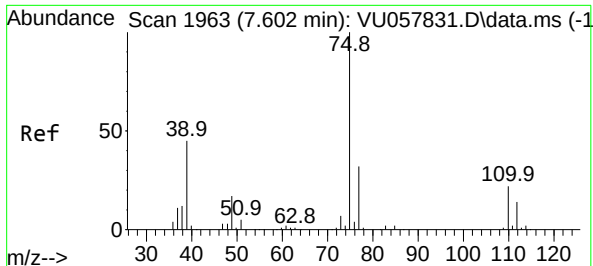
Tgt Ion: 63 Resp: 220590
Ion Ratio Lower Upper
63 100
112 3.6 3.0 4.6



#38
Bromodichloromethane
Concen: 94.169 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

Tgt Ion: 83 Resp: 281868
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.6
127 8.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 115.245 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Instrument :

MSVOA_U

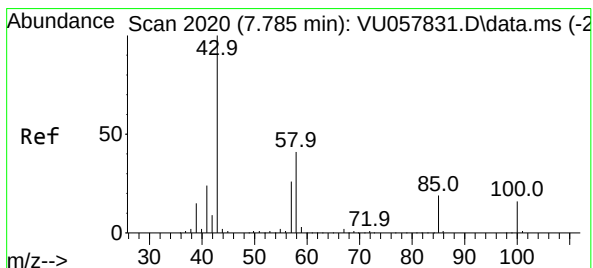
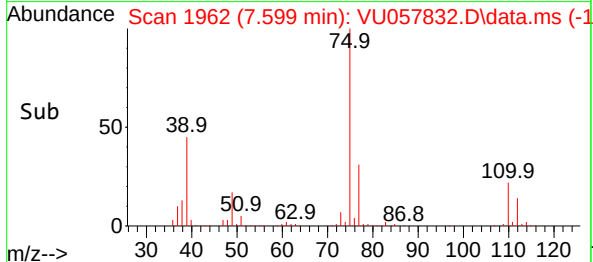
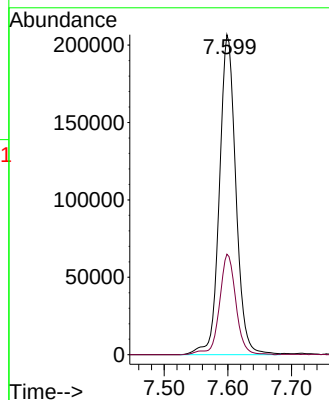
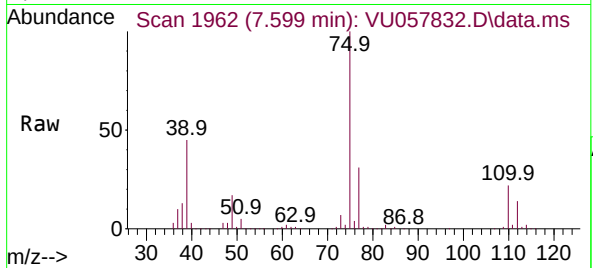
ClientSampleId :

Tgt Ion: 75 Resp: 371577

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 283.638 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

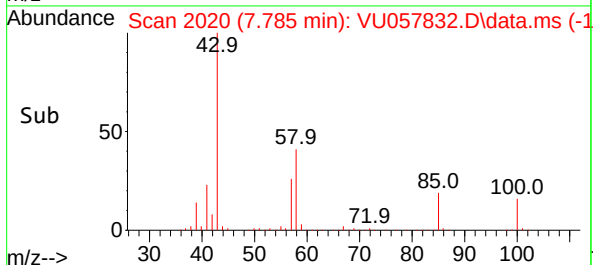
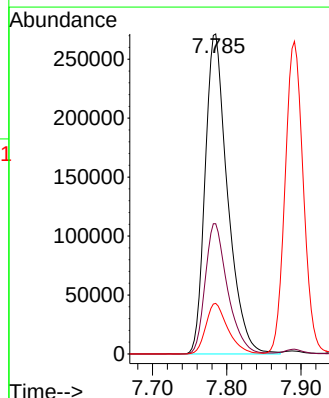
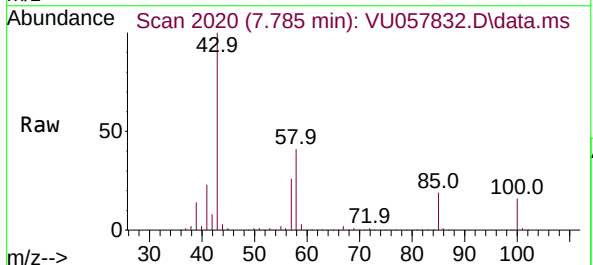
Tgt Ion: 43 Resp: 571004

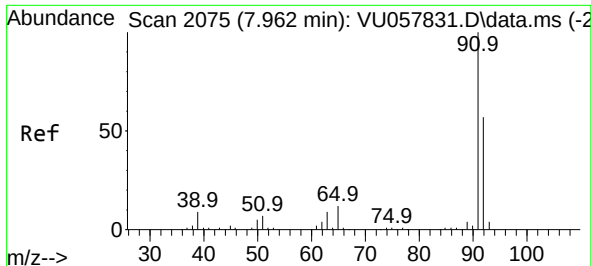
Ion Ratio Lower Upper

43 100

58 40.6 32.5 48.7

100 15.5 12.2 18.4





#42

Toluene

Concen: 107.762 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Instrument :

MSVOA_U

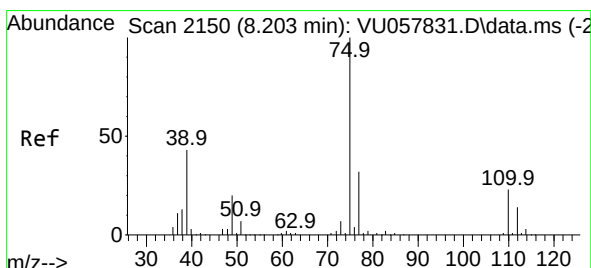
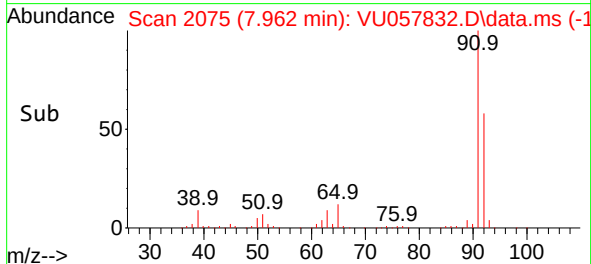
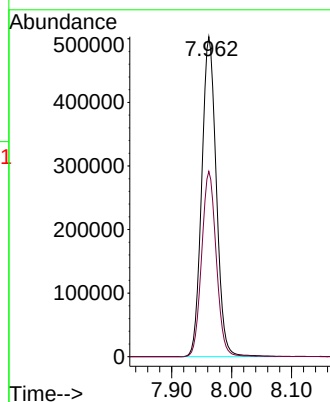
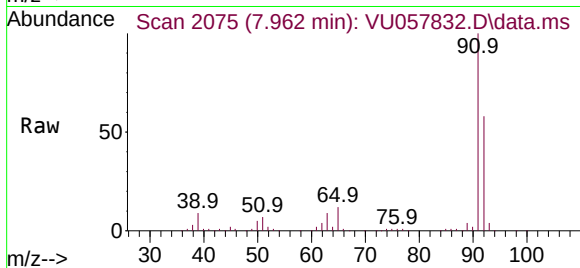
ClientSampleId :

Tgt Ion: 91 Resp: 853509

Ion Ratio Lower Upper

91 100

92 57.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 108.573 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU057832.D

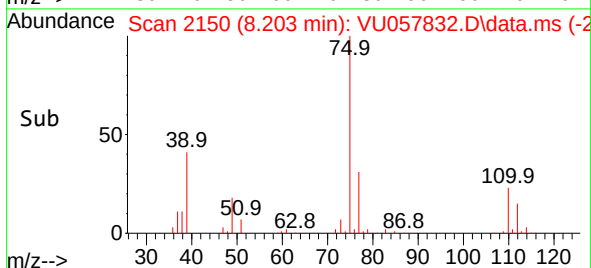
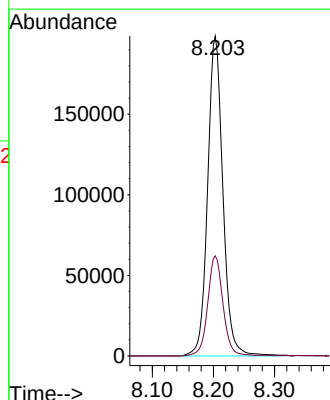
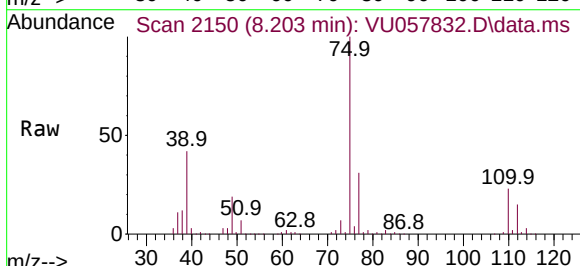
Acq: 07 Feb 2024 10:37

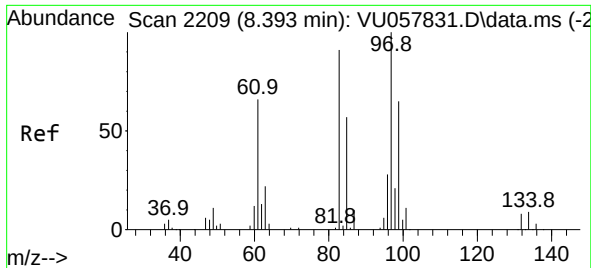
Tgt Ion: 75 Resp: 344084

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6



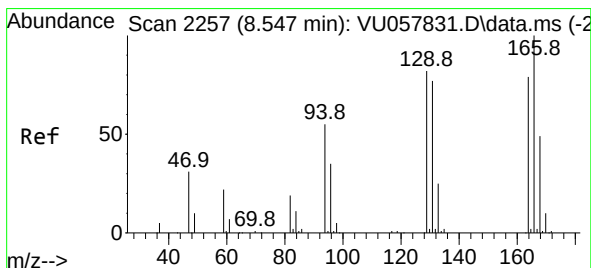
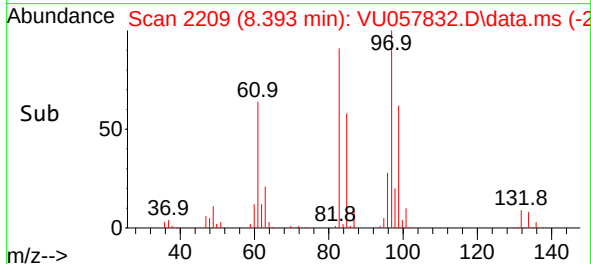
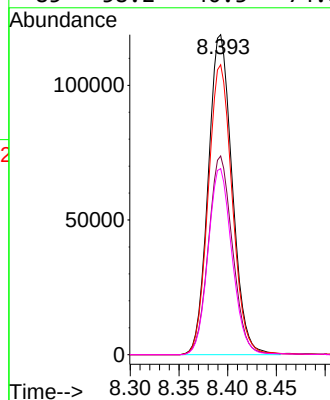
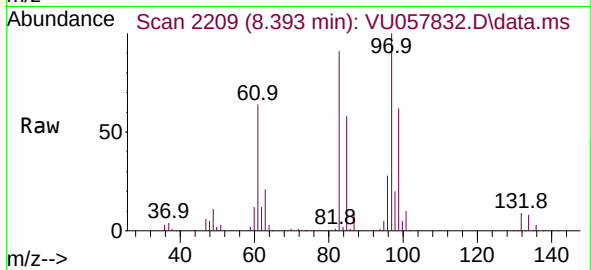


#45
1,1,2-Trichloroethane
Concen: 102.712 ug/L
RT: 8.393 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 204146

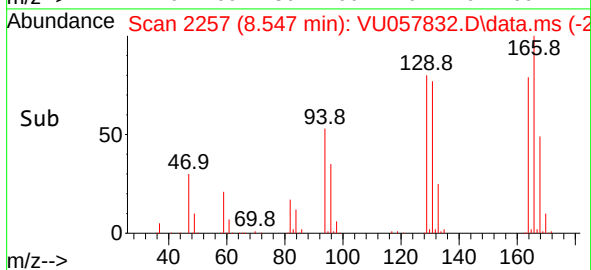
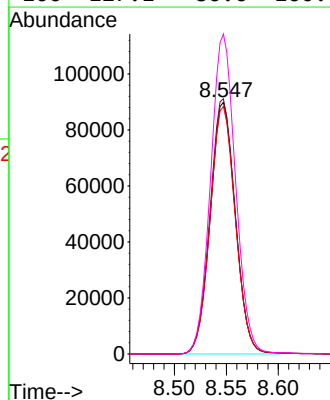
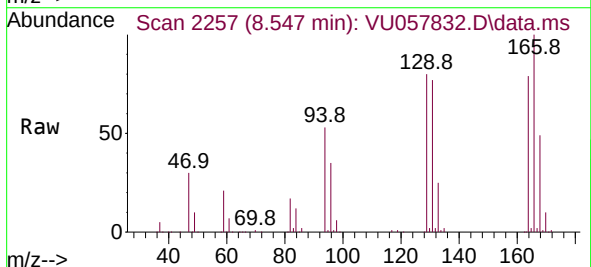
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.1	83.9
83	90.6	63.8	118.6
85	58.2	40.3	74.8

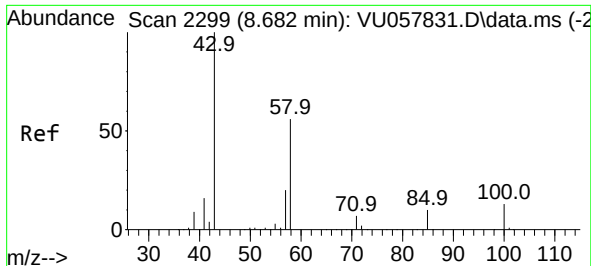


#46
Tetrachloroethene
Concen: 94.943 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

Tgt Ion: 164 Resp: 150903

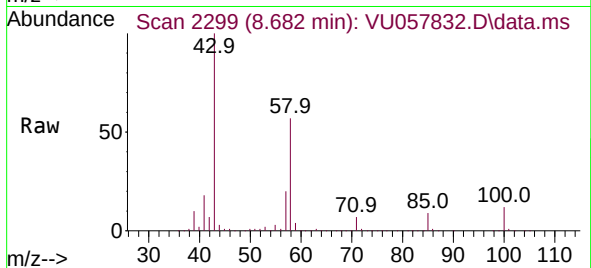
Ion	Ratio	Lower	Upper
164	100		
129	101.4	70.8	131.4
131	98.3	66.8	124.0
166	127.1	86.6	160.8



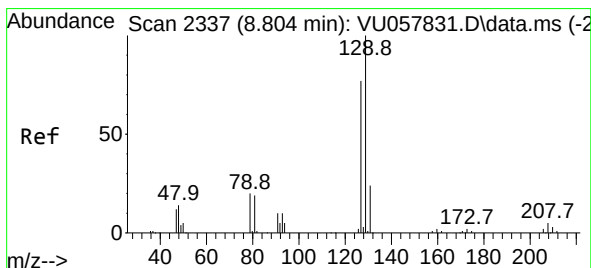
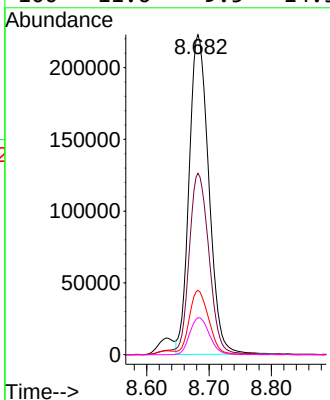
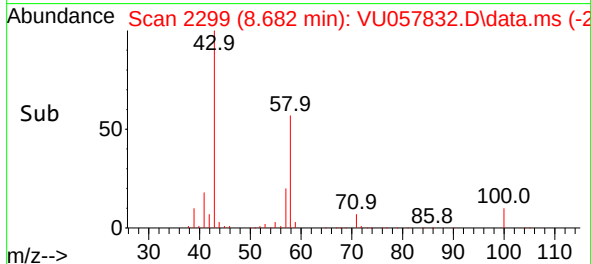


#48
2-Hexanone
Concen: 294.545 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

Instrument :
MSVOA_U
ClientSampleId :

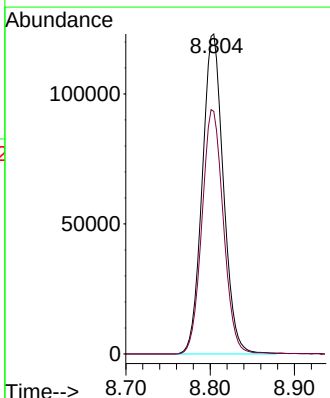
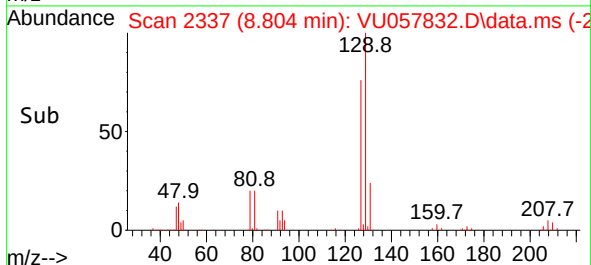
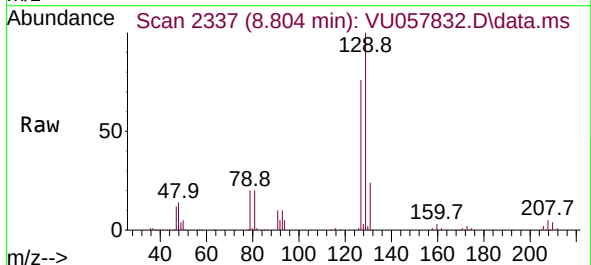


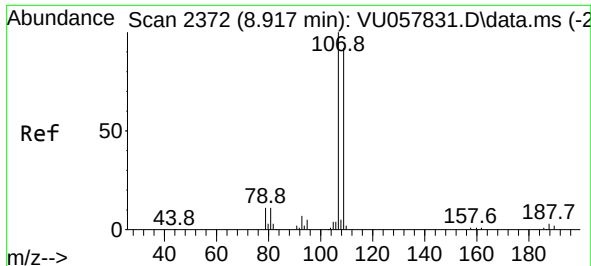
Tgt Ion:	43	Resp:	487231
Ion	Ratio	Lower	Upper
43	100		
58	58.2	44.1	66.1
57	19.7	15.4	23.2
100	11.6	9.5	14.3



#49
Dibromochloromethane
Concen: 91.785 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

Tgt Ion:	129	Resp:	214987
Ion	Ratio	Lower	Upper
129	100		
127	75.8	54.1	100.5





#50

1,2-Dibromoethane

Concen: 105.393 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. -0.000 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Instrument :

MSVOA_U

ClientSampleId :

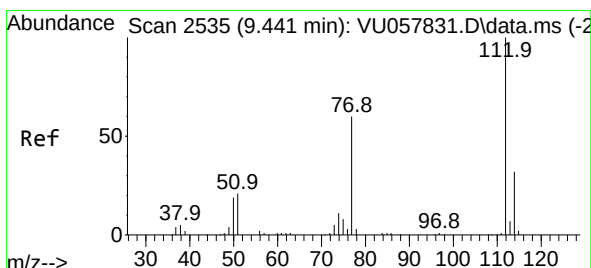
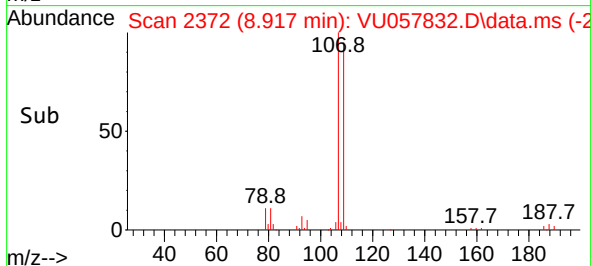
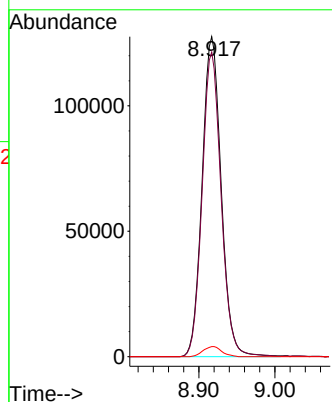
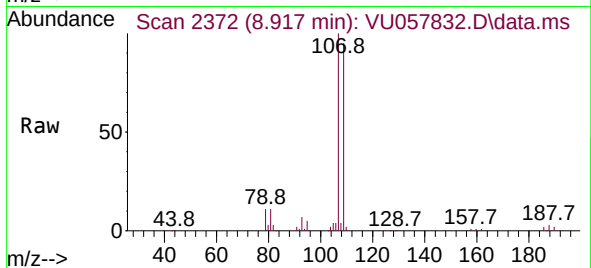
Tgt Ion:107 Resp: 222508

Ion Ratio Lower Upper

107 100

109 95.2 64.4 119.6

188 3.2 2.6 3.8



#51

Chlorobenzene

Concen: 102.509 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

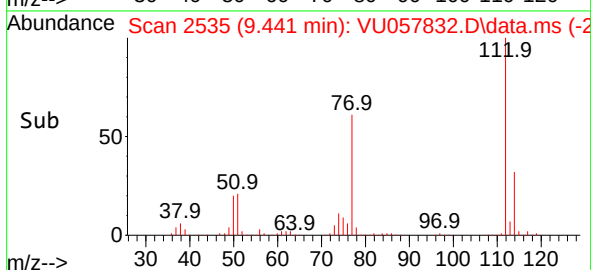
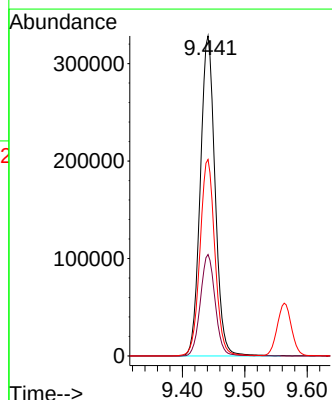
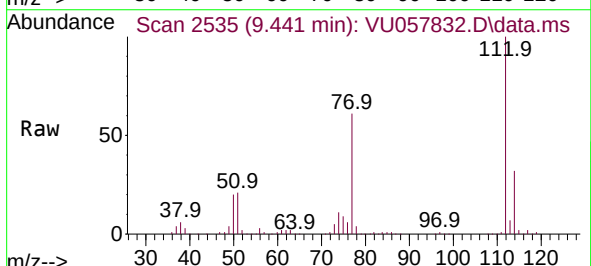
Tgt Ion:112 Resp: 541257

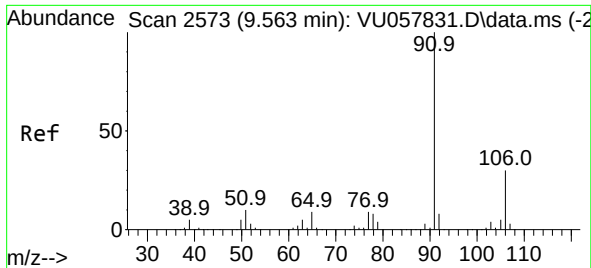
Ion Ratio Lower Upper

112 100

114 31.7 22.0 41.0

77 61.4 48.2 72.4

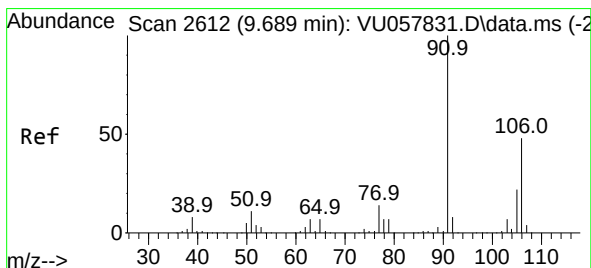
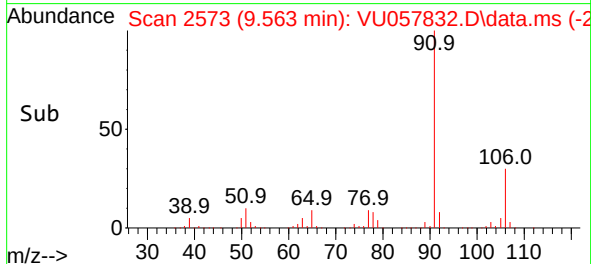
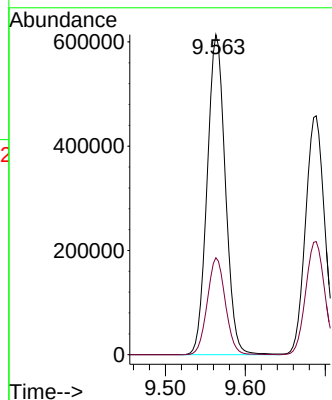
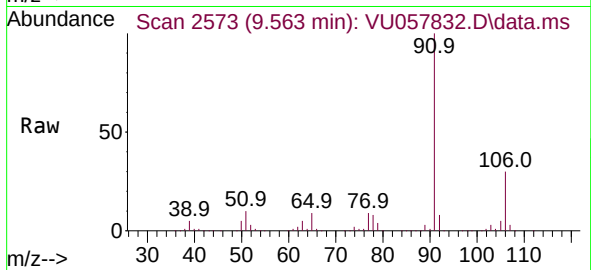




#52
Ethylbenzene
Concen: 109.759 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

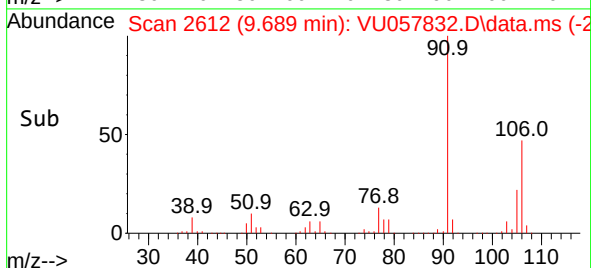
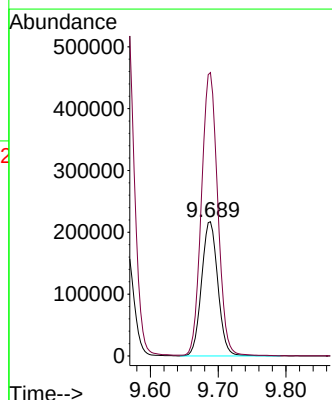
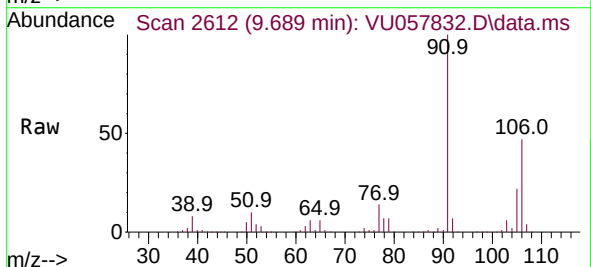
Instrument :
MSVOA_U
ClientSampleId :

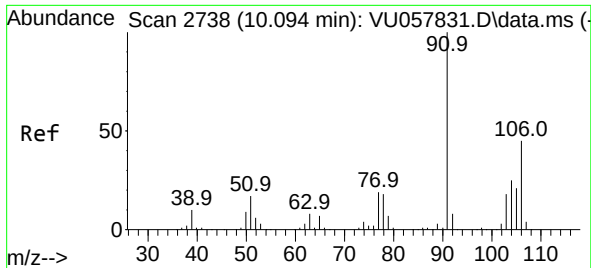
Tgt Ion: 91 Resp: 970031
Ion Ratio Lower Upper
91 100
106 30.3 20.9 38.9



#53
m,p-Xylene
Concen: 109.731 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

Tgt Ion:106 Resp: 362456
Ion Ratio Lower Upper
106 100
91 211.2 145.3 269.9

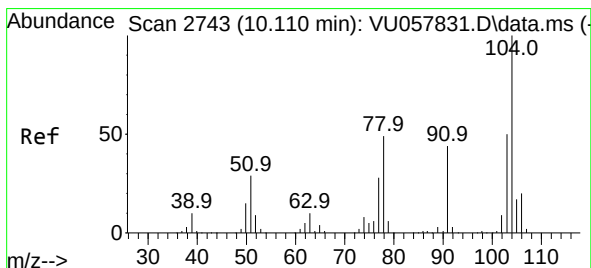
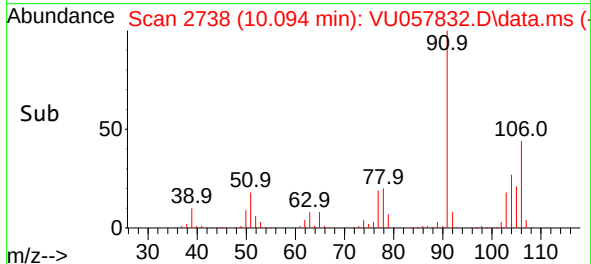
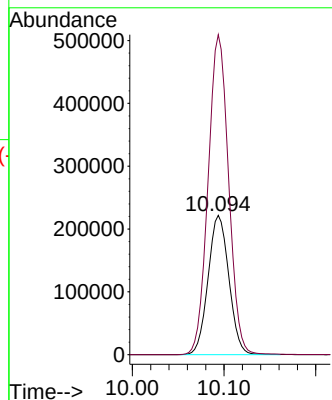
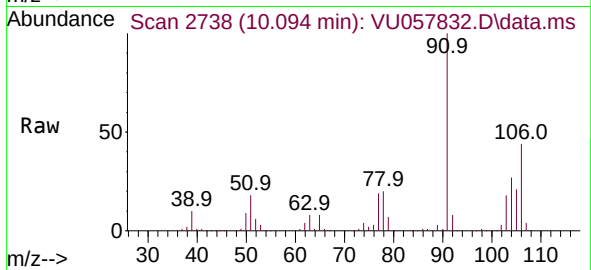




#54
o-Xylene
Concen: 108.785 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

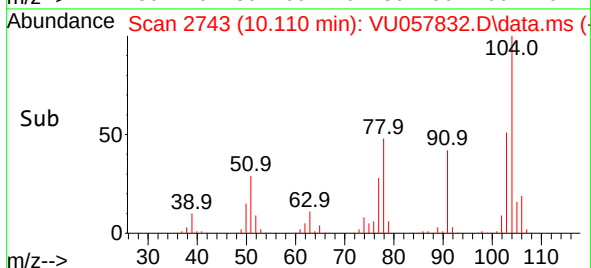
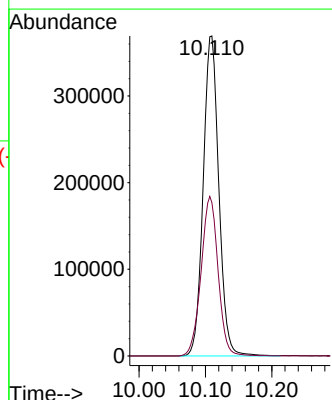
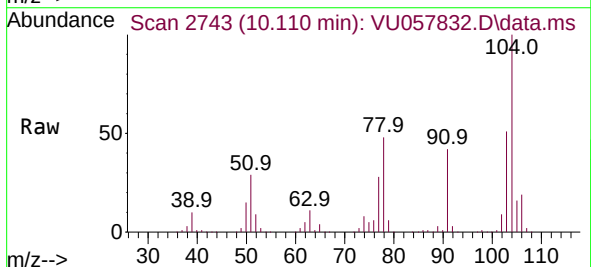
Instrument :
MSVOA_U
ClientSampleId :

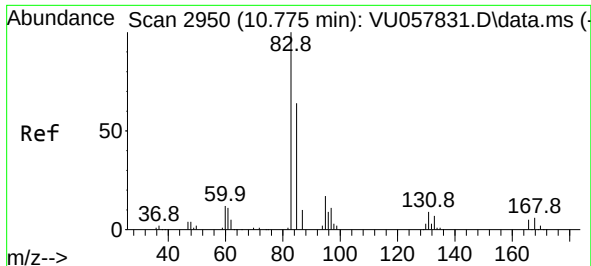
Tgt Ion:106 Resp: 349918
Ion Ratio Lower Upper
106 100
91 229.7 155.3 288.3



#55
Styrene
Concen: 111.530 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

Tgt Ion:104 Resp: 604722
Ion Ratio Lower Upper
104 100
78 48.0 34.3 63.7

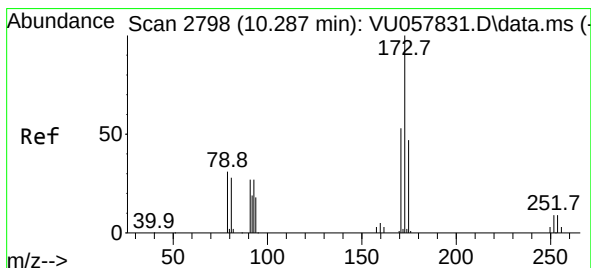
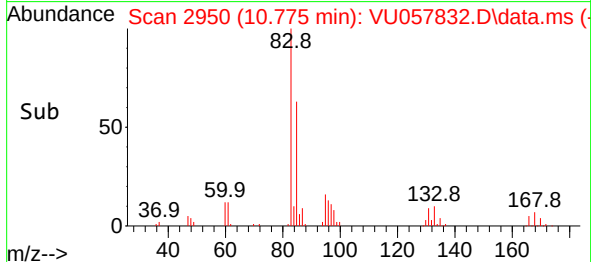
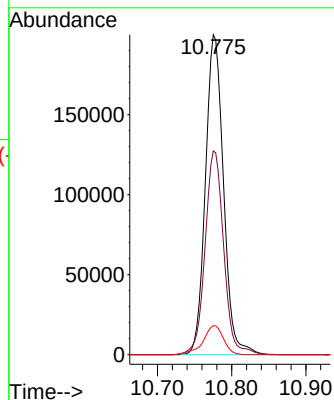
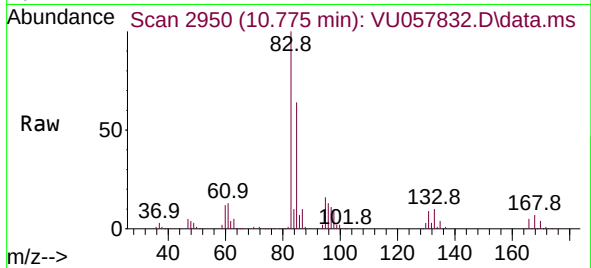




#57
1,1,2,2-Tetrachloroethane
Concen: 110.911 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

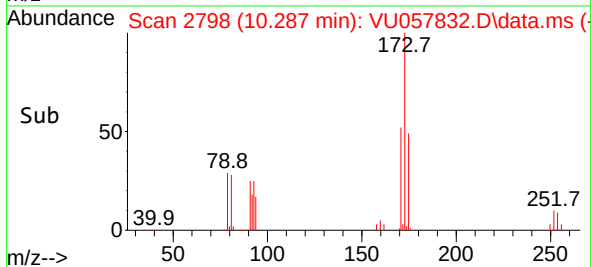
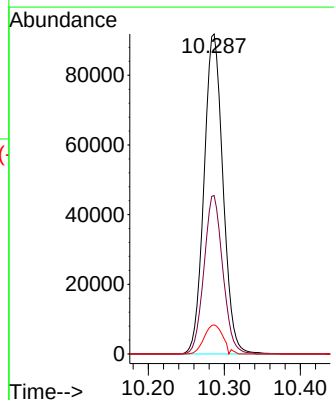
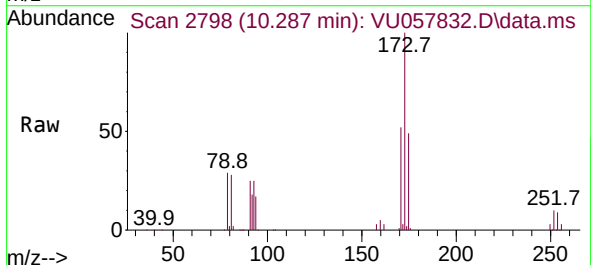
Instrument :
MSVOA_U
ClientSampleId :

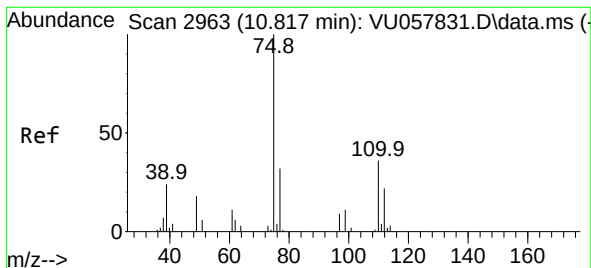
Tgt Ion: 83 Resp: 338203
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.7
131 9.1 7.5 11.3



#59
Bromoform
Concen: 86.067 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

Tgt Ion:173 Resp: 159314
Ion Ratio Lower Upper
173 100
175 49.0 37.7 56.5
254 8.7 6.2 9.2





#60

1,2,3-Trichloropropane

Concen: 105.548 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Instrument :

MSVOA_U

ClientSampleId :

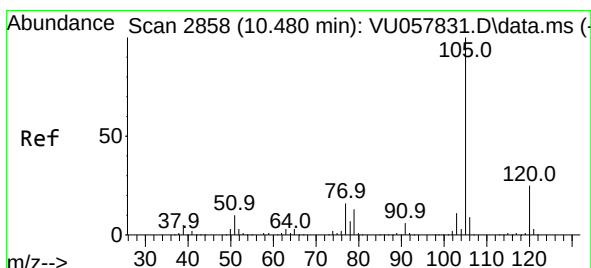
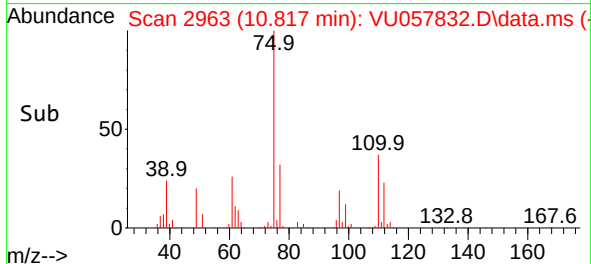
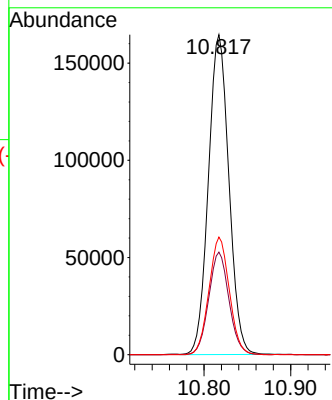
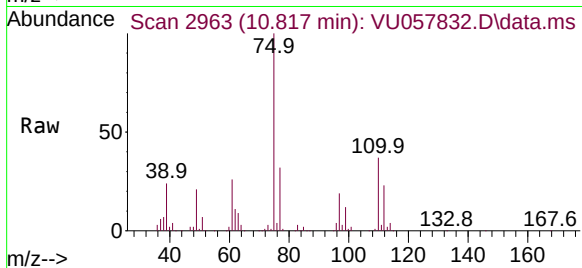
Tgt Ion: 75 Resp: 270308

Ion Ratio Lower Upper

75 100

77 31.8 26.1 39.1

110 36.5 29.1 43.7



#61

Isopropylbenzene

Concen: 109.031 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

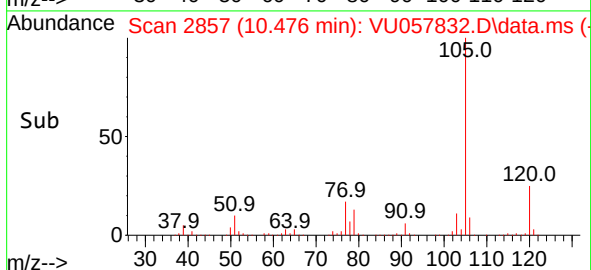
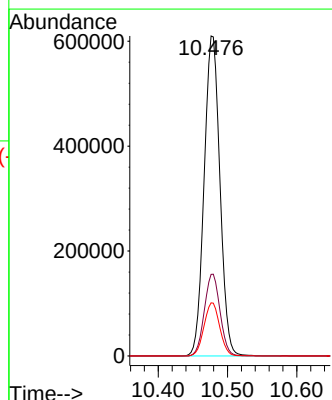
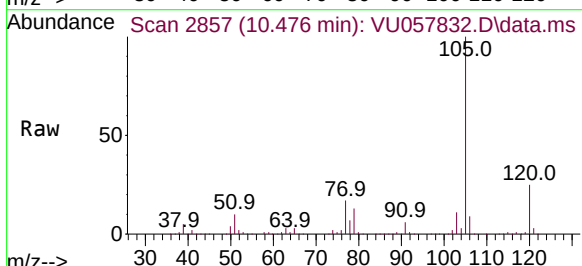
Tgt Ion: 105 Resp: 962231

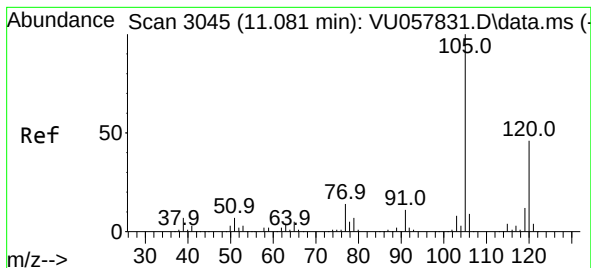
Ion Ratio Lower Upper

105 100

120 25.4 20.6 30.8

77 16.6 13.2 19.8





#62

1,3,5-Trimethylbenzene

Concen: 108.957 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Instrument :

MSVOA_U

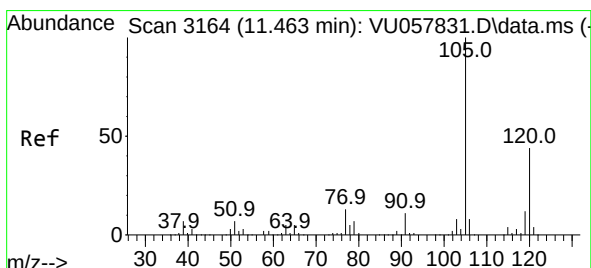
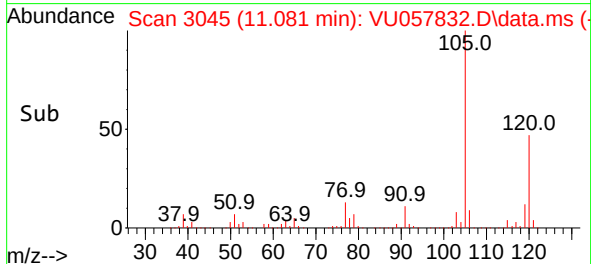
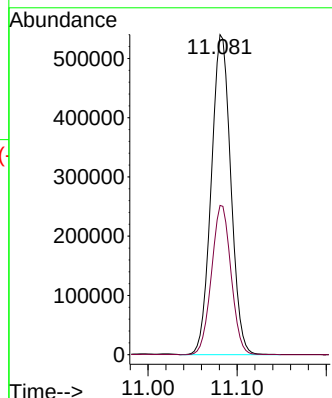
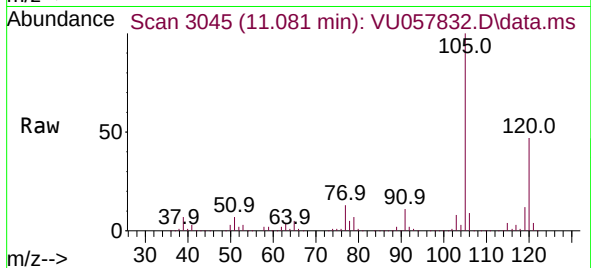
ClientSampleId :

Tgt Ion:105 Resp: 821596

Ion Ratio Lower Upper

105 100

120 46.7 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 111.823 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU057832.D

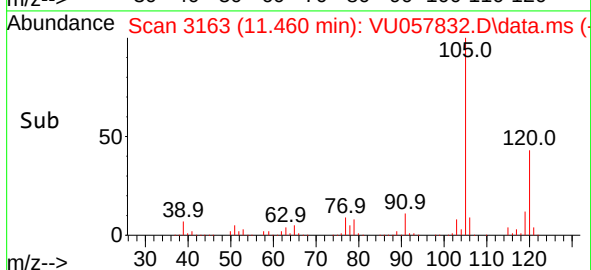
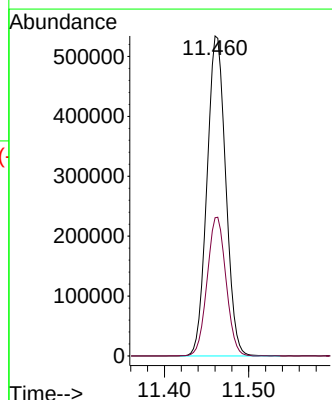
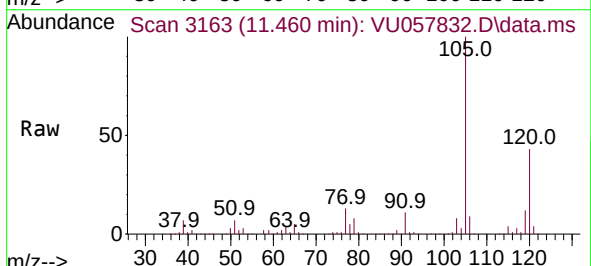
Acq: 07 Feb 2024 10:37

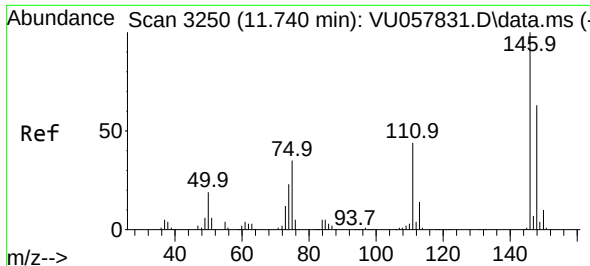
Tgt Ion:105 Resp: 827274

Ion Ratio Lower Upper

105 100

120 43.6 35.4 53.0

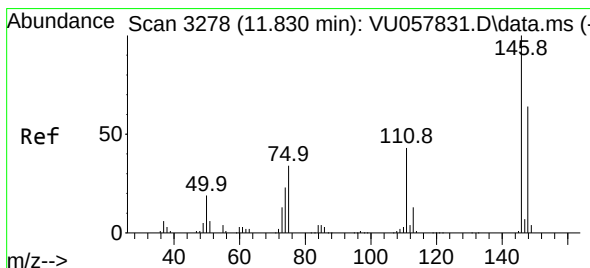
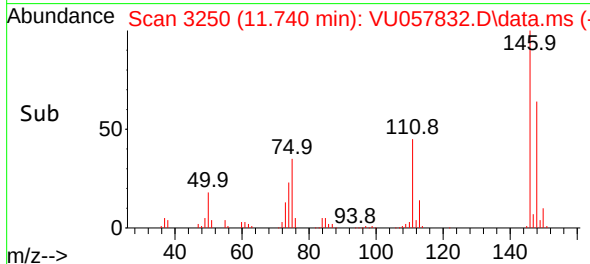
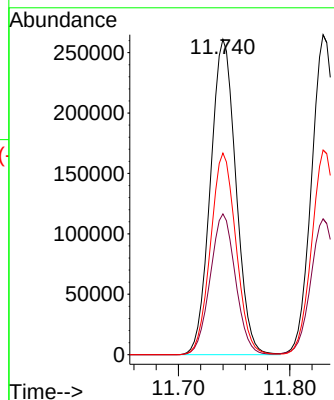
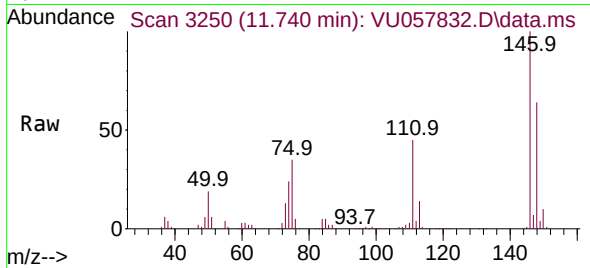




#64
1,3-Dichlorobenzene
Concen: 100.840 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

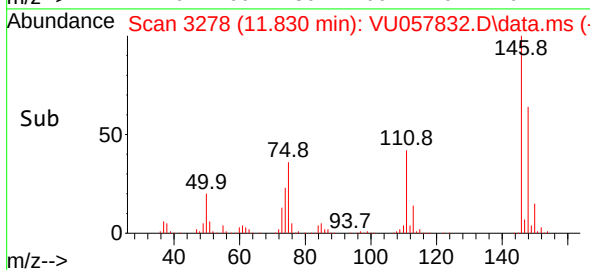
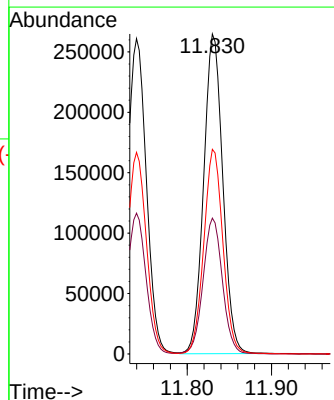
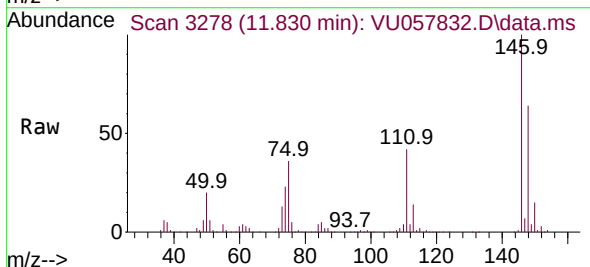
Instrument :
MSVOA_U
ClientSampleId :

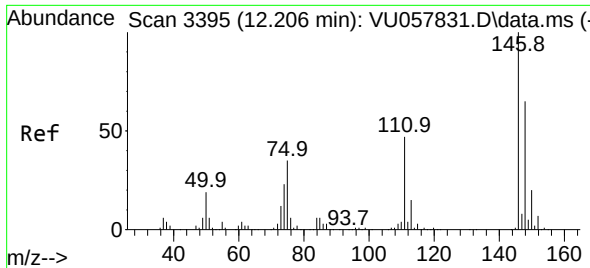
Tgt Ion:146 Resp: 415024
Ion Ratio Lower Upper
146 100
111 44.6 31.1 57.7
148 63.9 46.8 86.8



#65
1,4-Dichlorobenzene
Concen: 98.842 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

Tgt Ion:146 Resp: 418288
Ion Ratio Lower Upper
146 100
111 42.5 30.5 56.7
148 63.9 45.3 84.1

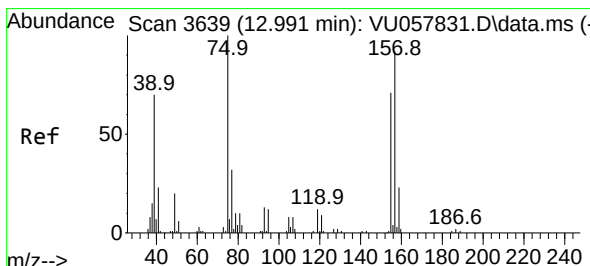
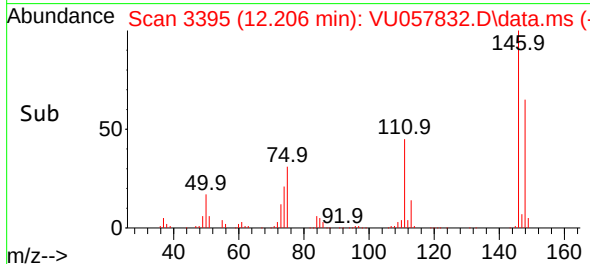
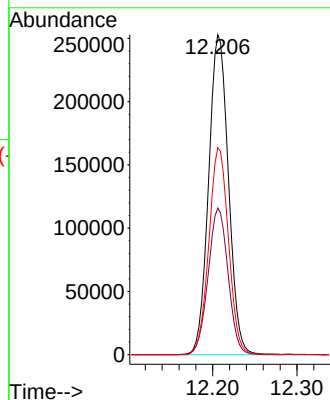
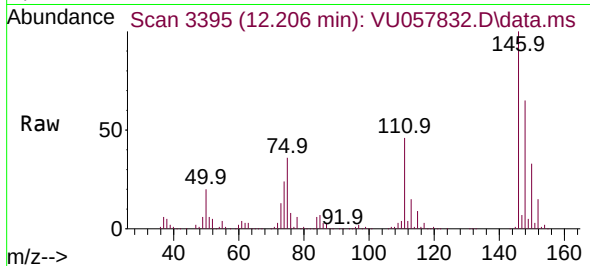




#67
1,2-Dichlorobenzene
Concen: 99.710 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

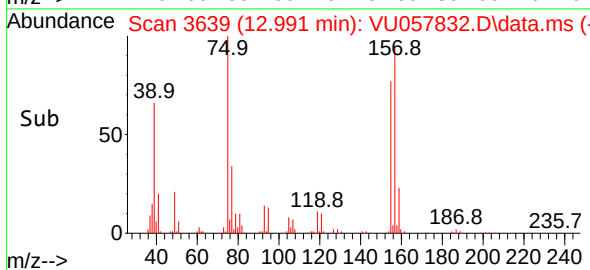
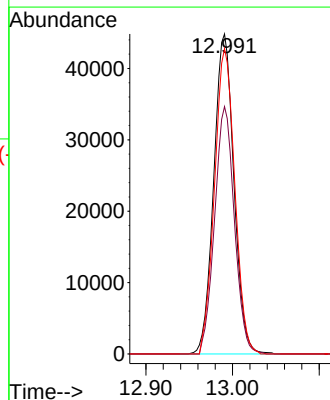
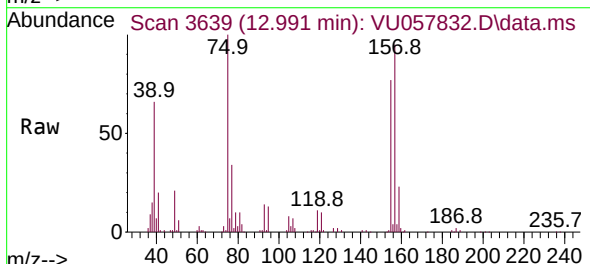
Instrument :
MSVOA_U
ClientSampleId :

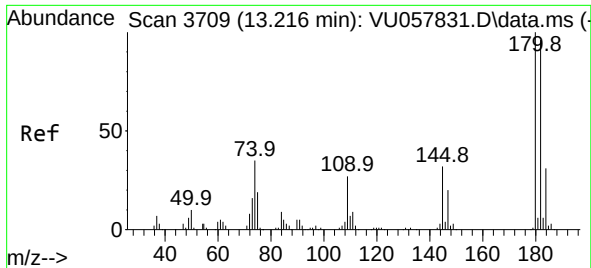
Tgt Ion:146 Resp: 413461
Ion Ratio Lower Upper
146 100
111 45.8 37.8 56.8
148 64.7 51.7 77.5



#68
1,2-Dibromo-3-chloropropane
Concen: 105.942 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. -0.000 min
Lab File: VU057832.D
Acq: 07 Feb 2024 10:37

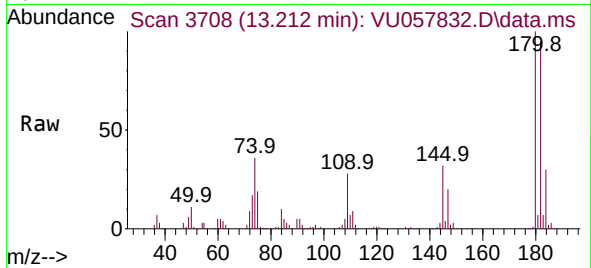
Tgt Ion: 75 Resp: 72470
Ion Ratio Lower Upper
75 100
155 80.8 55.9 83.9
157 99.0 71.1 106.7



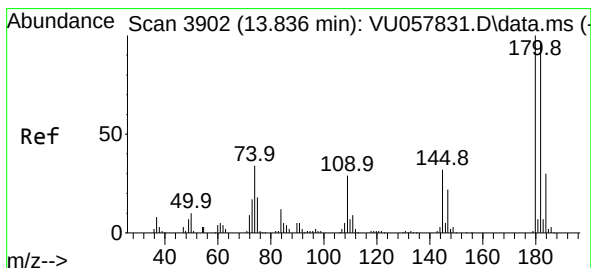
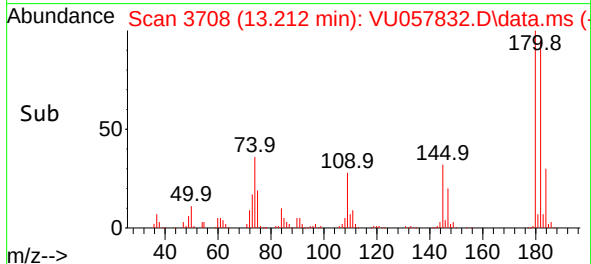
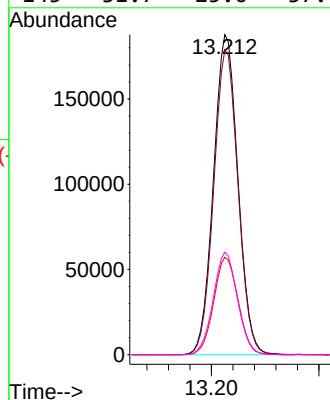


#69
 1,3,5-Trichlorobenzene
 Concen: 100.171 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU057832.D
 Acq: 07 Feb 2024 10:37

Instrument :
 MSVOA_U
 ClientSampleId :

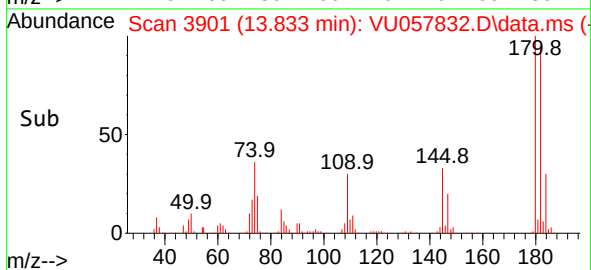
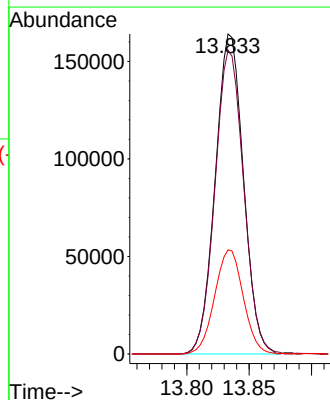
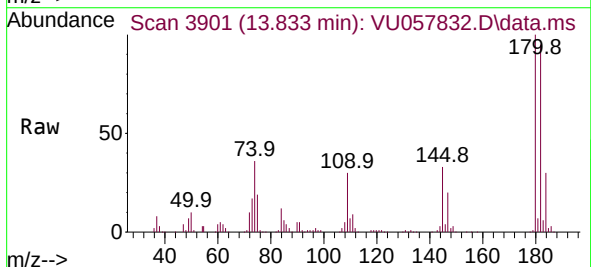


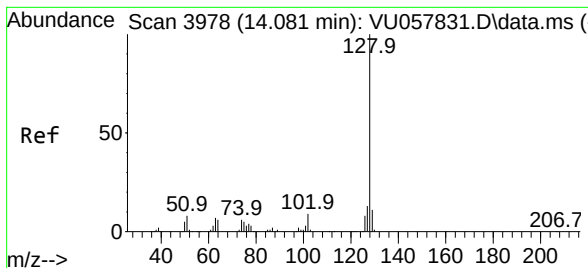
Tgt Ion:180 Resp: 296366
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.0 114.0
 184 30.3 24.3 36.5
 145 31.7 25.0 37.6



#70
 1,2,4-trichlorobenzene
 Concen: 112.286 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU057832.D
 Acq: 07 Feb 2024 10:37

Tgt Ion:180 Resp: 258378
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.0 114.0
 145 33.1 25.5 38.3





#71

Naphthalene

Concen: 135.750 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Instrument :

MSVOA_U

ClientSampleId :

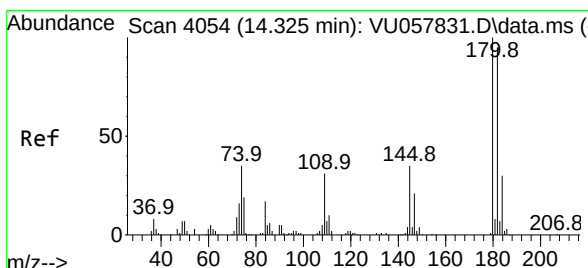
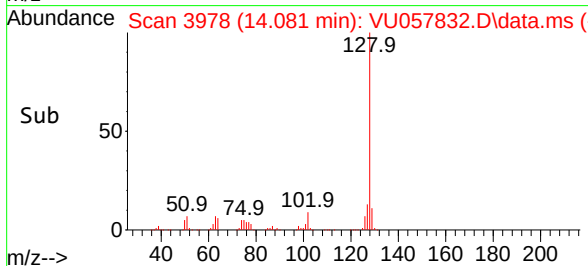
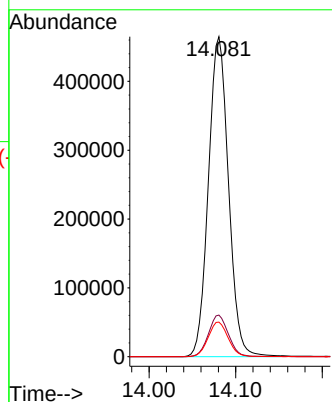
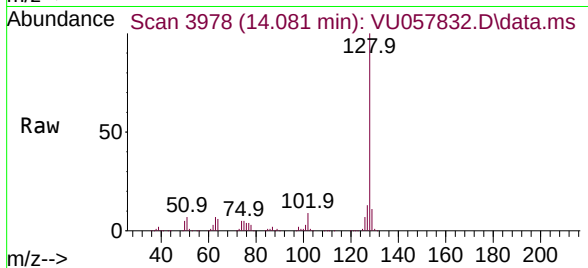
Tgt Ion:128 Resp: 748753

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 113.209 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU057832.D

Acq: 07 Feb 2024 10:37

Tgt Ion:180 Resp: 243686

Ion Ratio Lower Upper

180 100

182 97.0 76.6 114.8

145 34.2 27.7 41.5

