

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
 Data File : VU057831.D
 Acq On : 07 Feb 2024 10:12
 Operator : MD/SY
 Sample : VSTD050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 08 01:07:22 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	266042	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	247995	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	125822	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	108026	56.471	ug/L	0.00
7) Chloroethane-d5	1.908	69	86173	58.060	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	198363	50.697	ug/L	0.00
21) 2-Butanone-d5	4.621	46	120762	126.868	ug/L	0.00
24) Chloroform-d	5.052	84	191196	44.936	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	122315	43.957	ug/L	0.00
32) Benzene-d6	5.721	84	380851	55.378	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	120223	60.201	ug/L	0.00
41) Toluene-d8	7.891	98	349513	54.834	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	58905	51.934	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	98971	144.146	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	156591	54.318	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	123425	49.745	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	123012	41.757	ug/L	100
3) Chloromethane	1.518	50	112165	56.227	ug/L	100
5) Vinyl chloride	1.602	62	121099	56.742	ug/L	100
6) Bromomethane	1.856	94	75362	53.676	ug/L	100
8) Chloroethane	1.927	64	74042	58.676	ug/L	100
9) Trichlorofluoromethane	2.129	101	168191	40.910	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	101985	49.407	ug/L	100
12) 1,1-Dichloroethene	2.573	96	90467	49.628	ug/L	100
13) Acetone	2.628	43	154151	130.151	ug/L	100
14) Carbon disulfide	2.785	76	282318	49.997	ug/L	100
15) Methyl Acetate	2.943	43	97598	63.913	ug/L	100
16) Methylene chloride	3.036	84	102566	49.471	ug/L	100
17) trans-1,2-Dichloroethene	3.345	96	92478	49.758	ug/L	100
18) Methyl tert-butyl Ether	3.354	73	323148	53.572	ug/L	100
19) 1,1-Dichloroethane	3.859	63	187163	53.457	ug/L	100
20) cis-1,2-Dichloroethene	4.657	96	106003	52.590	ug/L	100
22) 2-Butanone	4.695	43	163177	136.672	ug/L	100
23) Bromochloromethane	4.965	128	52274	46.440	ug/L	100
25) Chloroform	5.078	83	190402	46.324	ug/L	100
27) 1,2-Dichloroethane	5.785	62	155182	45.401	ug/L	100
29) Cyclohexane	5.380	56	169417	65.872	ug/L	100
30) 1,1,1-Trichloroethane	5.306	97	165167	43.995	ug/L	100
31) Carbon tetrachloride	5.518	117	144119	43.548	ug/L	100
33) Benzene	5.766	78	412229	56.706	ug/L	100
34) Trichloroethene	6.534	95	110346	52.607	ug/L	100
35) Methylcyclohexane	6.756	83	180052	61.143	ug/L	100
37) 1,2-Dichloropropane	6.782	63	111040	60.351	ug/L	100
38) Bromodichloromethane	7.100	83	142307	48.624	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	181131	57.454	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	280591	142.546	ug/L	100
42) Toluene	7.962	91	433359	55.958	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	166791	53.826	ug/L	100

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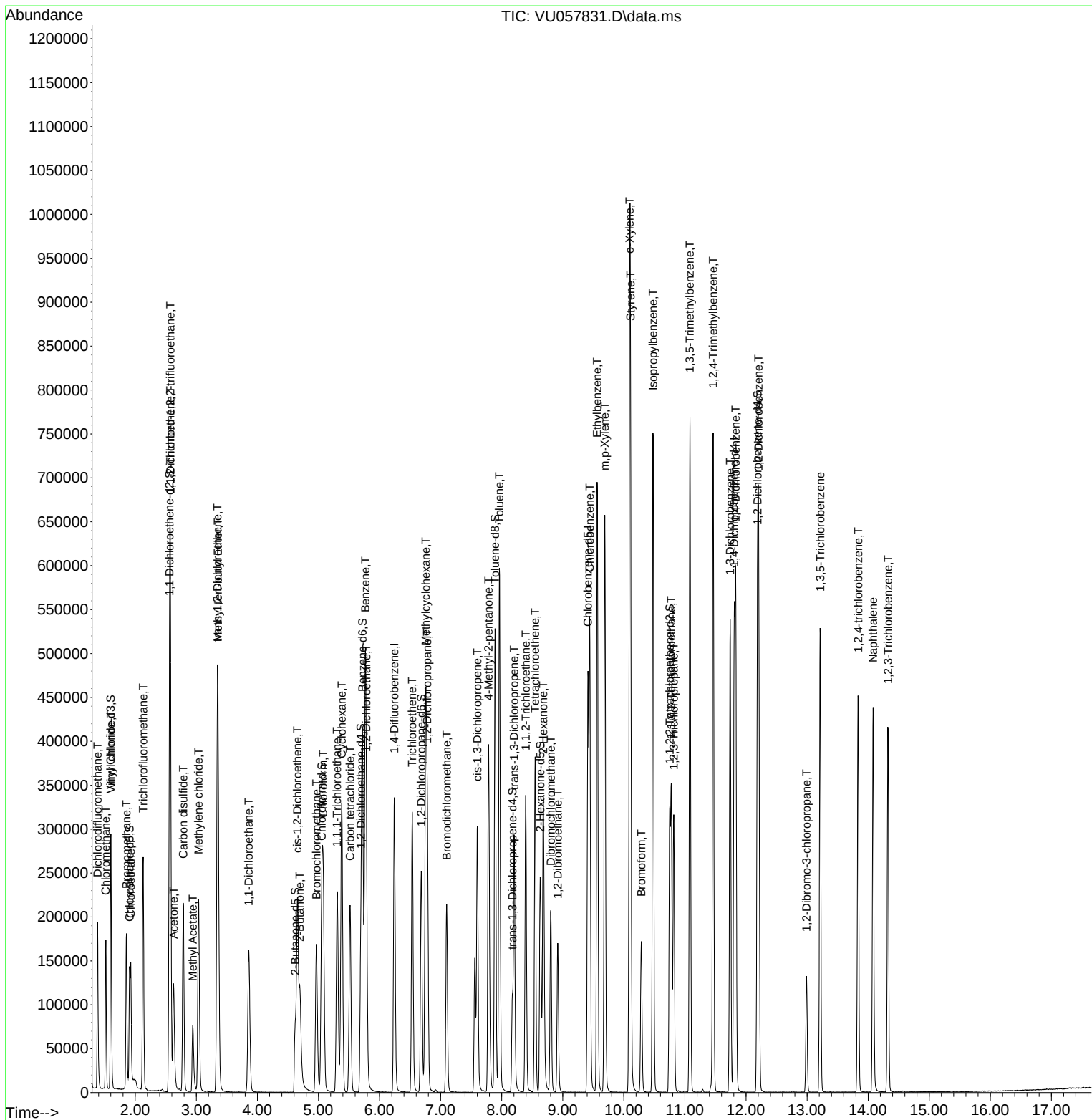
Instrument :
 MSVOA_U
 ClientSampleId :

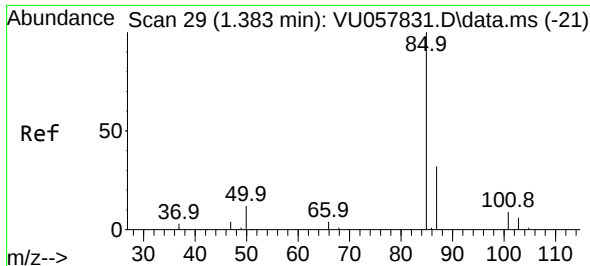
Quant Time: Feb 08 01:07:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:05:45 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	103321	53.165	ug/L	100
46) Tetrachloroethene	8.547	164	76880	49.469	ug/L	100
48) 2-Hexanone	8.682	43	242549	149.960	ug/L	100
49) Dibromochloromethane	8.804	129	105591	46.104	ug/L	100
50) 1,2-Dibromoethane	8.917	107	110977	53.760	ug/L	100
51) Chlorobenzene	9.441	112	275864	53.433	ug/L	100
52) Ethylbenzene	9.563	91	489428	56.637	ug/L	100
53) m,p-Xylene	9.689	106	183723	56.885	ug/L	100
54) o-Xylene	10.094	106	177176	56.333	ug/L	100
55) Styrene	10.110	104	299383	56.470	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	166899	55.977	ug/L	100
59) Bromoform	10.287	173	75669	42.626	ug/L	100
60) 1,2,3-Trichloropropane	10.817	75	133338	54.289	ug/L	100
61) Isopropylbenzene	10.480	105	483153	57.086	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	408727	56.520	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	408514	57.578	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	208662	52.865	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	209175	51.540	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	207028	52.060	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	34694	52.885	ug/L	100
69) 1,3,5-Trichlorobenzene	13.216	180	150564	53.065	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	127975	57.991	ug/L	100
71) Naphthalene	14.081	128	338479	63.989	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	116716	56.539	ug/L	100

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

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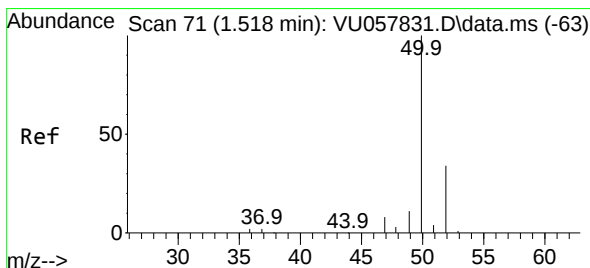
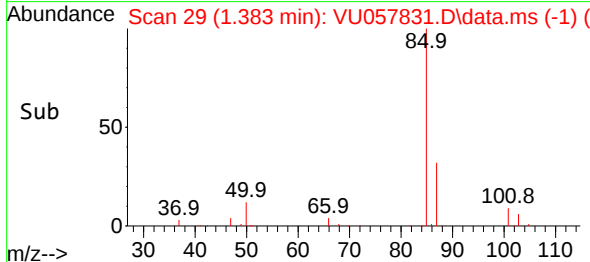
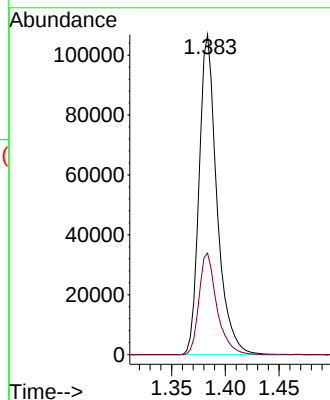
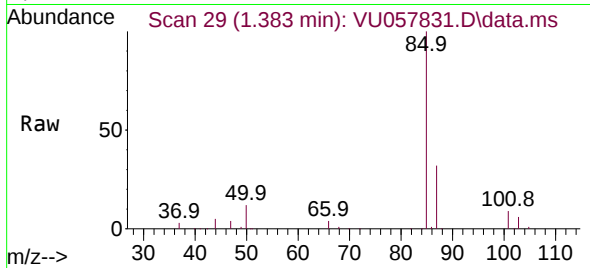




#2
 Dichlorodifluoromethane
 Concen: 41.757 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU057831.D
 Acq: 07 Feb 2024 10:12

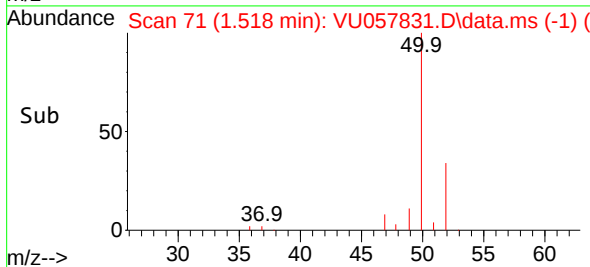
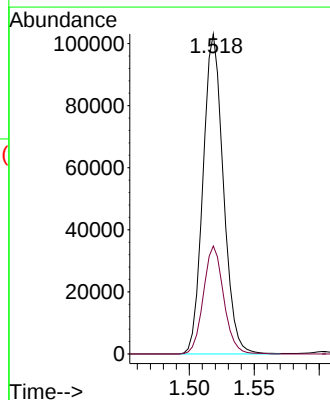
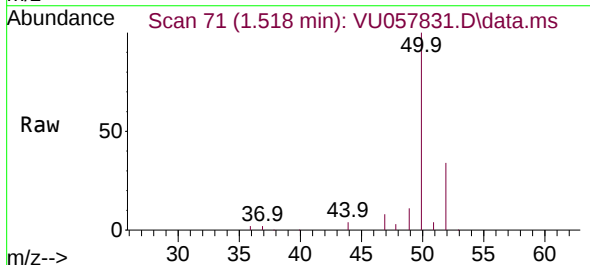
Instrument :
 MSVOA_U
 ClientSampleId :

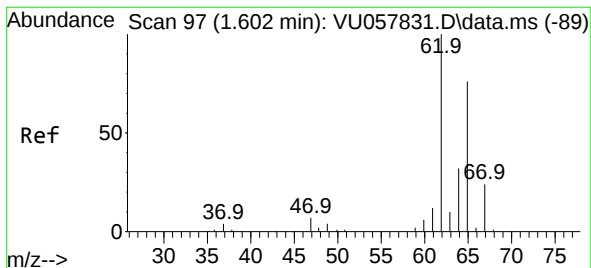
Tgt Ion: 85 Resp: 123012
 Ion Ratio Lower Upper
 85 100
 87 31.7 25.4 38.0



#3
 Chloromethane
 Concen: 56.227 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057831.D
 Acq: 07 Feb 2024 10:12

Tgt Ion: 50 Resp: 112165
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.7 43.9





#5

Vinyl chloride

Concen: 56.742 ug/L

RT: 1.602 min Scan# 97

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

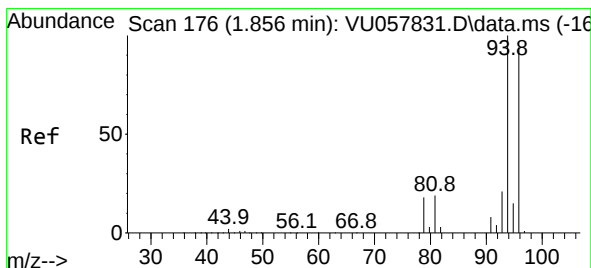
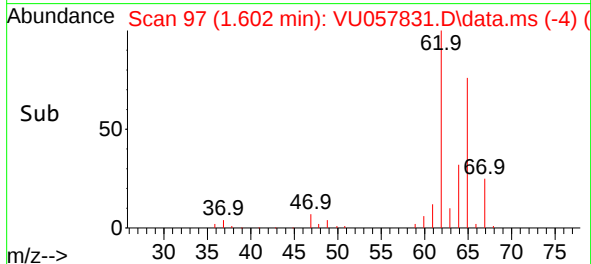
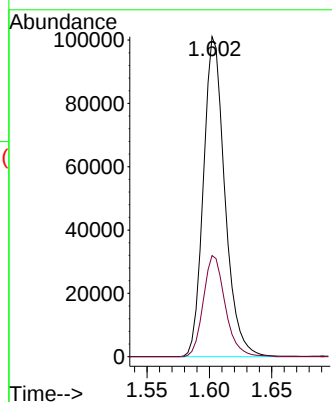
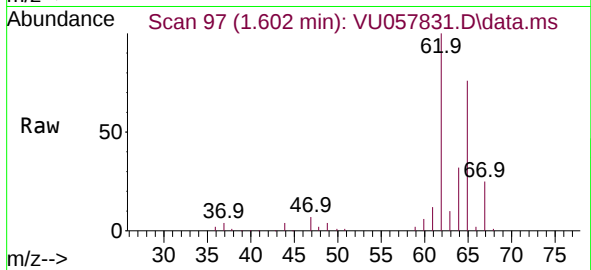
ClientSampleId :

Tgt Ion: 62 Resp: 121099

Ion Ratio Lower Upper

62 100

64 31.6 22.1 41.1



#6

Bromomethane

Concen: 53.676 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU057831.D

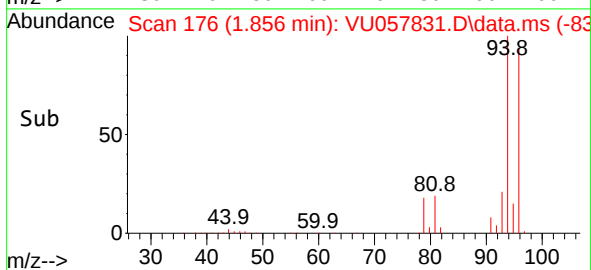
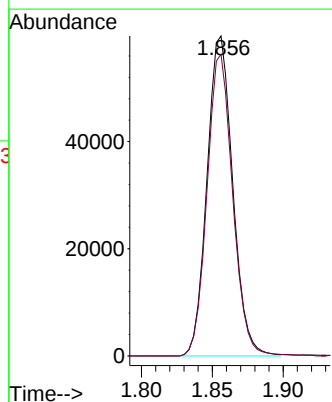
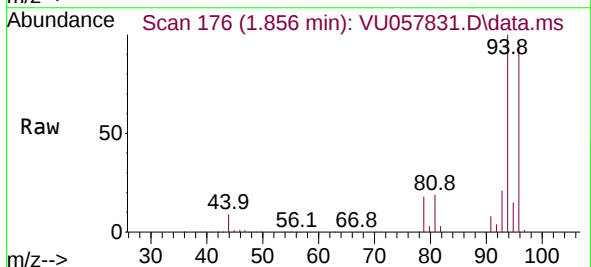
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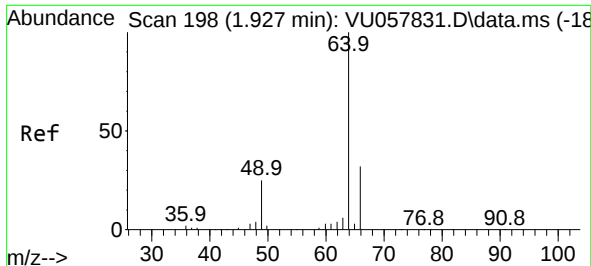
Tgt Ion: 94 Resp: 75362

Ion Ratio Lower Upper

94 100

96 94.3 66.0 122.6

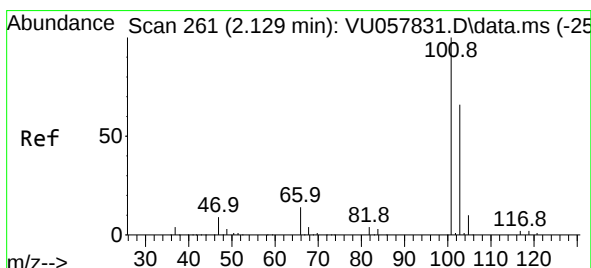
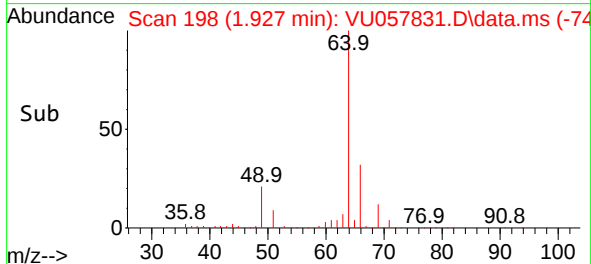
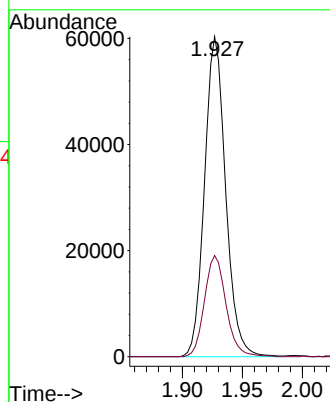
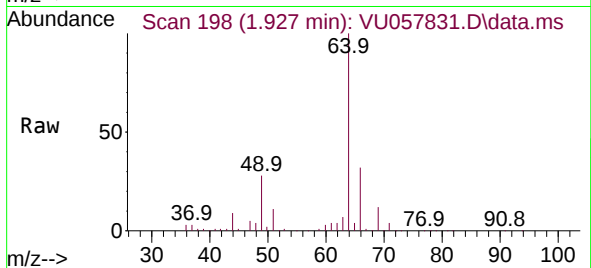




#8
Chloroethane
Concen: 58.676 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

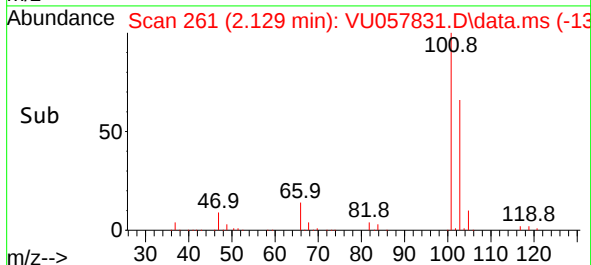
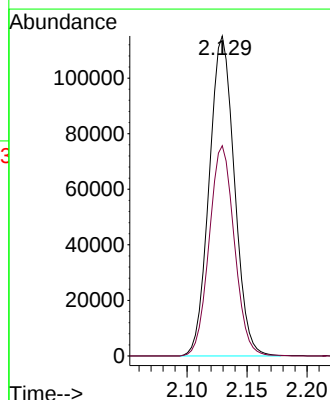
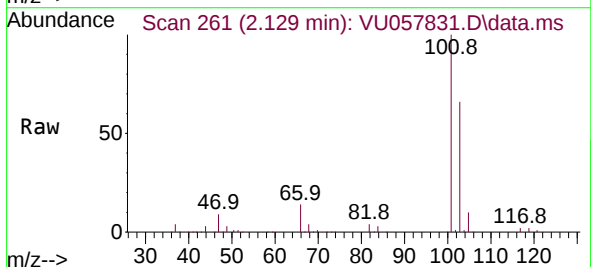
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MSVOA_U
ClientSampleId :

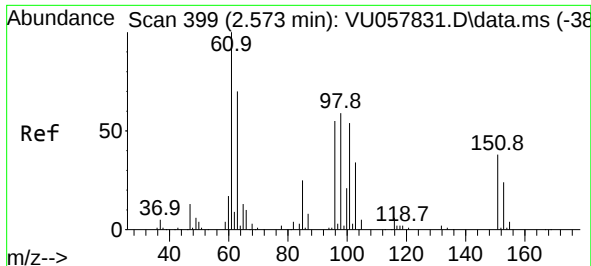
Tgt Ion: 64 Resp: 74042
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 40.910 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

Tgt Ion:101 Resp: 168191
Ion Ratio Lower Upper
101 100
103 65.5 52.4 78.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 49.407 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

ClientSampleId :

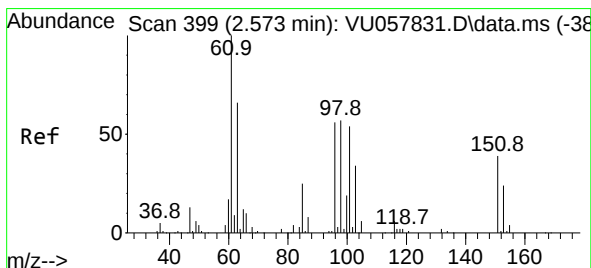
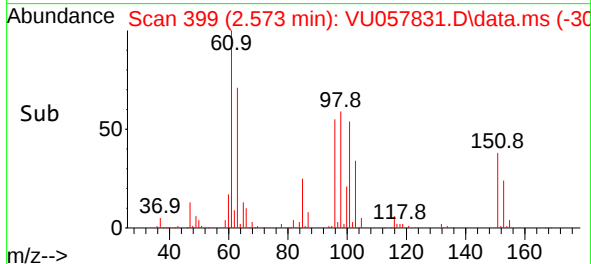
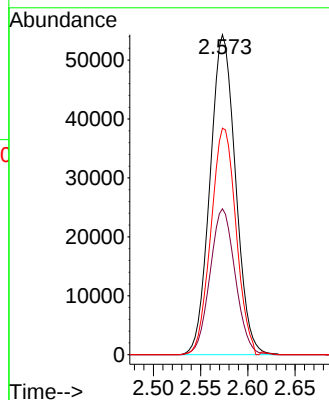
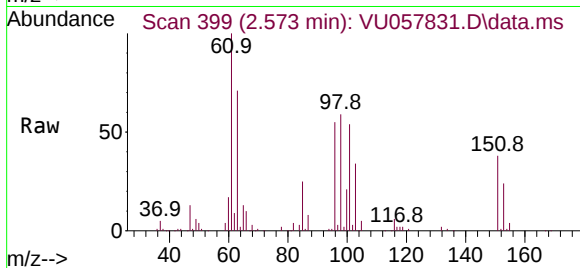
Tgt Ion:101 Resp: 101985

Ion Ratio Lower Upper

101 100

85 45.1 36.1 54.1

151 69.7 55.8 83.6



#12

1,1-Dichloroethene

Concen: 49.628 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

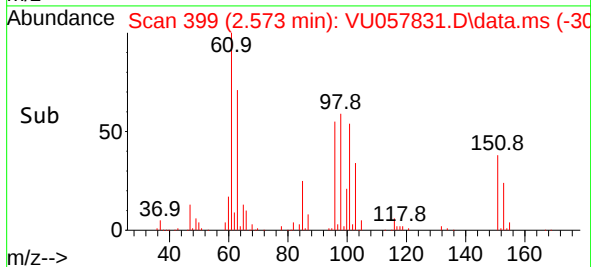
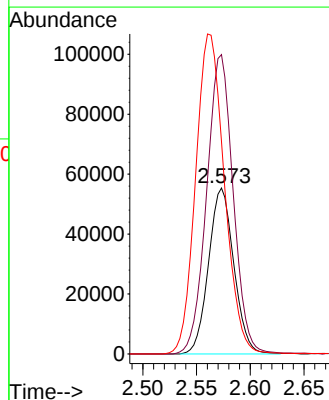
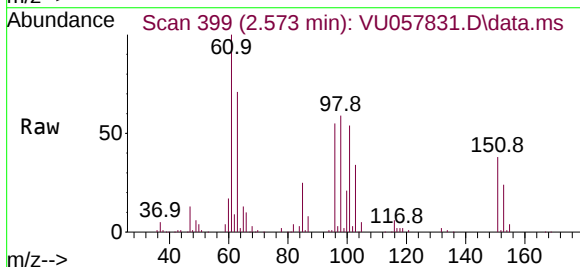
Tgt Ion: 96 Resp: 90467

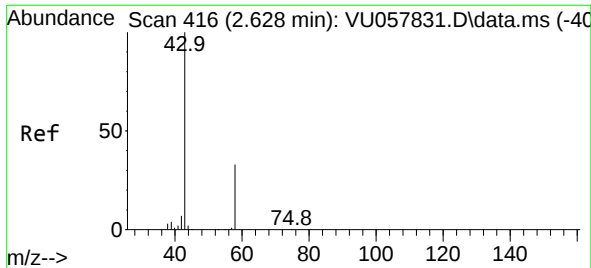
Ion Ratio Lower Upper

96 100

61 180.5 126.3 234.6

63 128.2 89.7 166.7





#13

Acetone

Concen: 130.151 ug/L

RT: 2.628 min Scan# 416

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

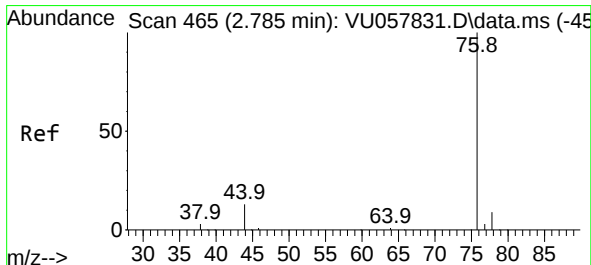
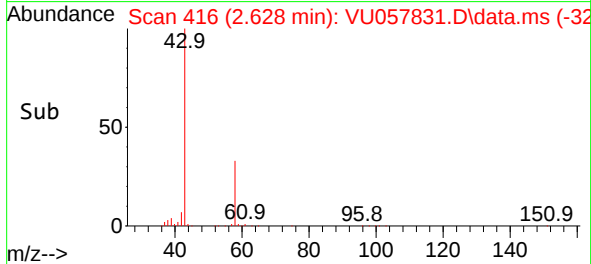
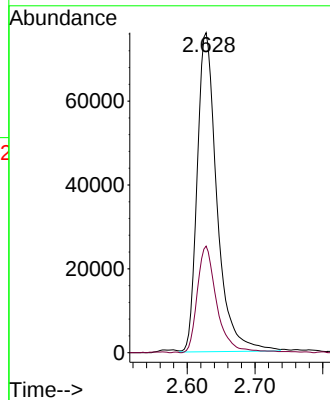
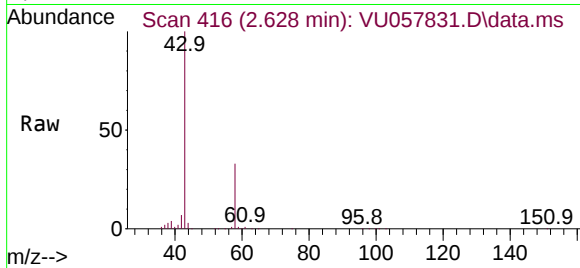
ClientSampleId :

Tgt Ion: 43 Resp: 154151

Ion Ratio Lower Upper

43 100

58 32.9 0.0 65.8



#14

Carbon disulfide

Concen: 49.997 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU057831.D

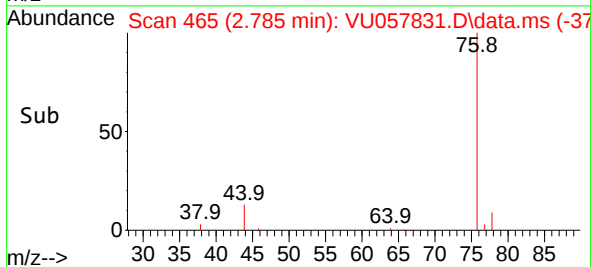
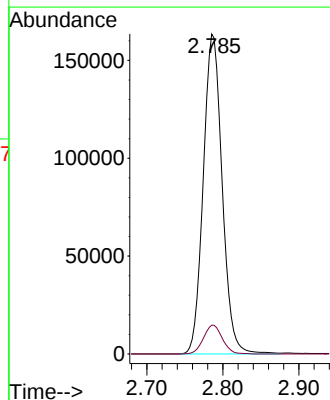
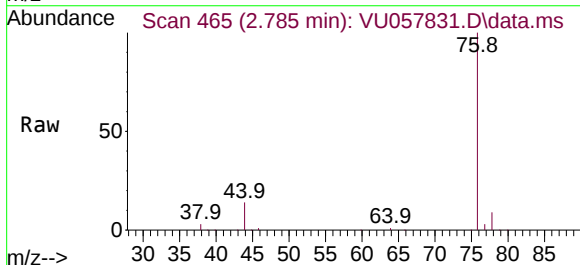
Acq: 07 Feb 2024 10:12

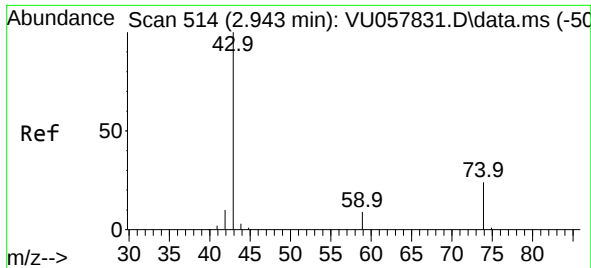
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Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

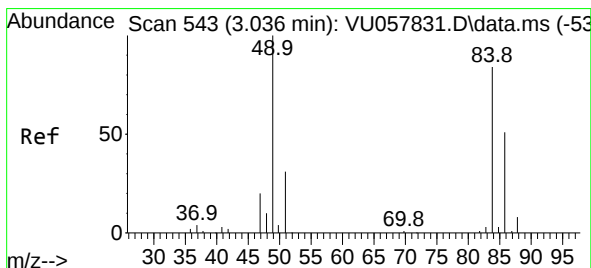
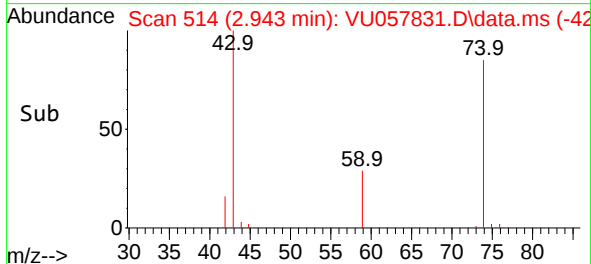
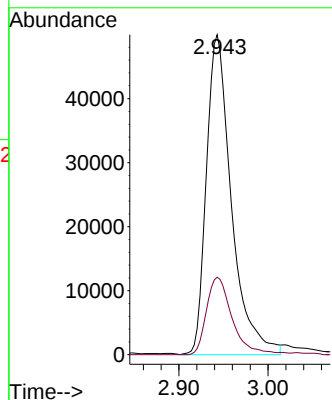
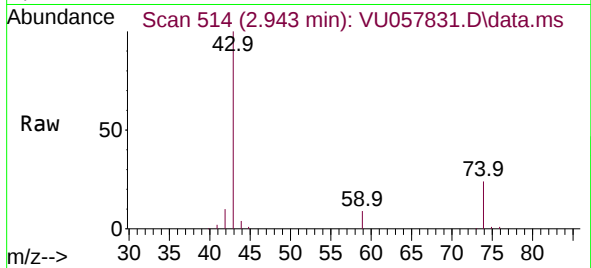




#15
Methyl Acetate
Concen: 63.913 ug/L
RT: 2.943 min Scan# 514
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

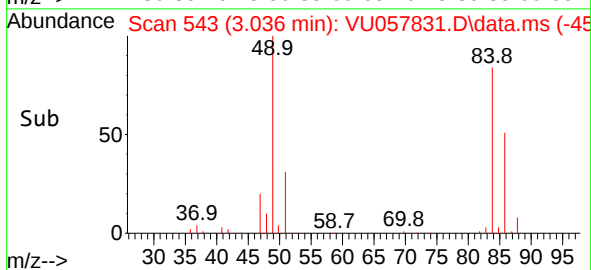
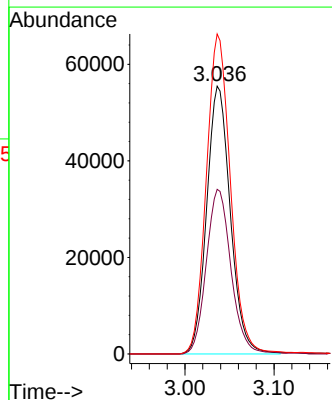
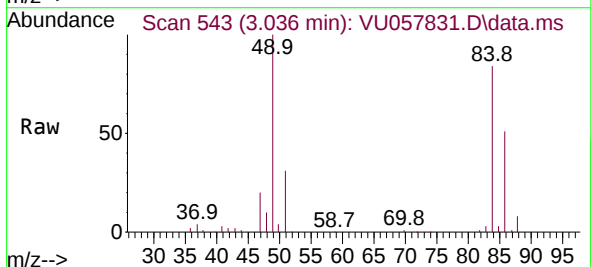
Instrument :
MSVOA_U
ClientSampleId :

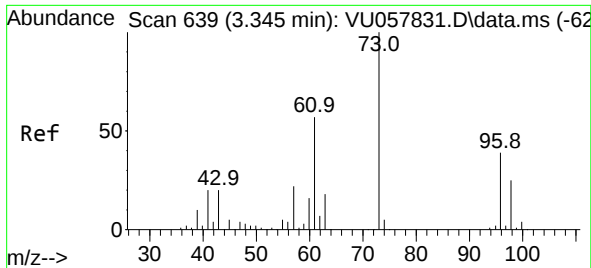
Tgt Ion: 43 Resp: 97598
Ion Ratio Lower Upper
43 100
74 24.6 19.7 29.5



#16
Methylene chloride
Concen: 49.471 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

Tgt Ion: 84 Resp: 102566
Ion Ratio Lower Upper
84 100
86 61.5 43.0 80.0
49 119.5 83.7 155.4

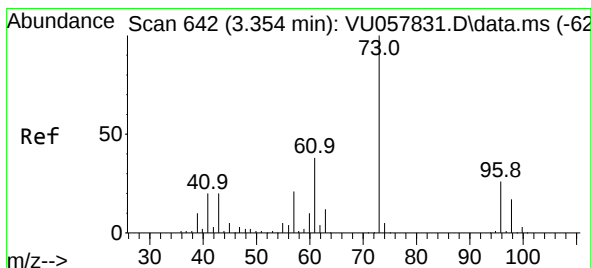
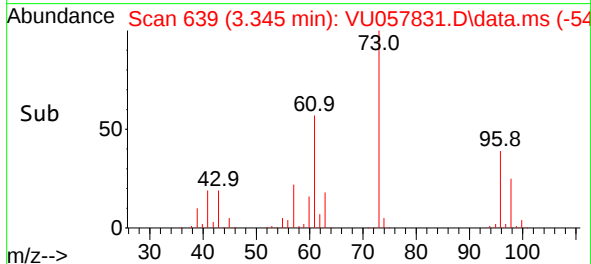
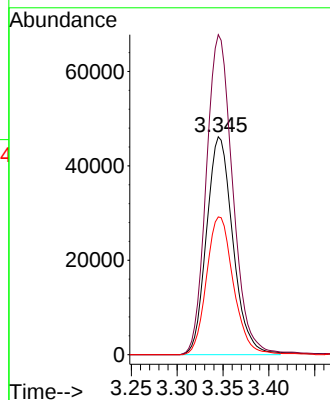
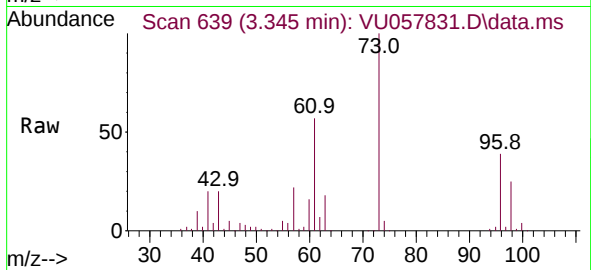




#17
trans-1,2-Dichloroethene
Concen: 49.758 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

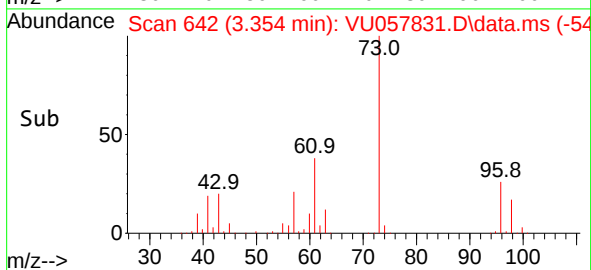
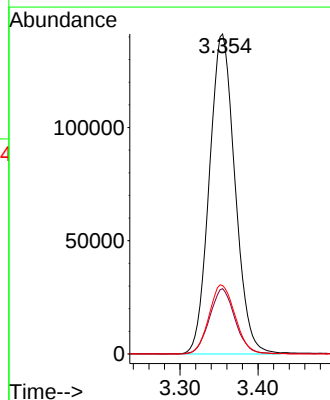
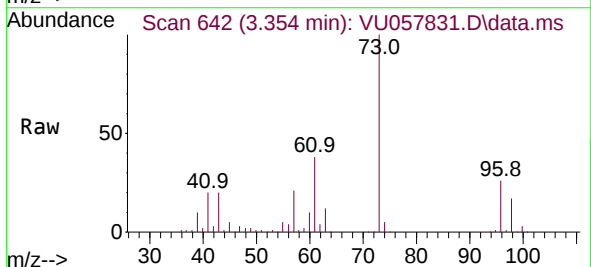
Instrument :
MSVOA_U
ClientSampleId :

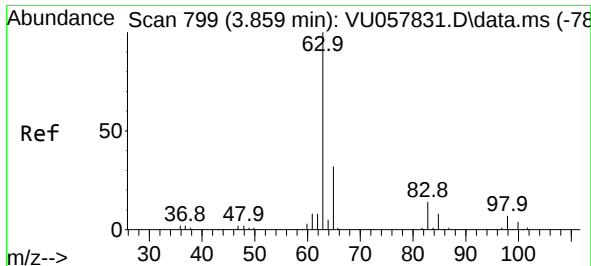
Tgt Ion: 96 Resp: 92478
Ion Ratio Lower Upper
96 100
61 146.8 102.8 190.8
98 63.2 44.2 82.2



#18
Methyl tert-butyl Ether
Concen: 53.572 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

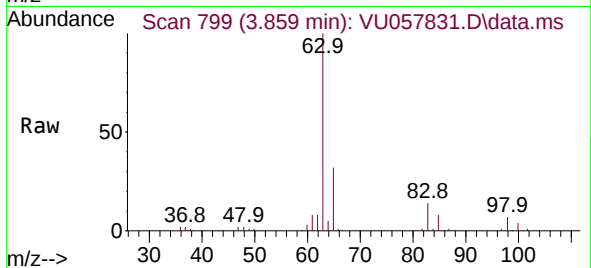
Tgt Ion: 73 Resp: 323148
Ion Ratio Lower Upper
73 100
43 20.2 16.2 24.2
57 22.0 17.6 26.4



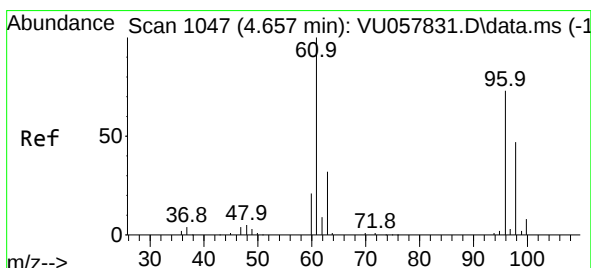
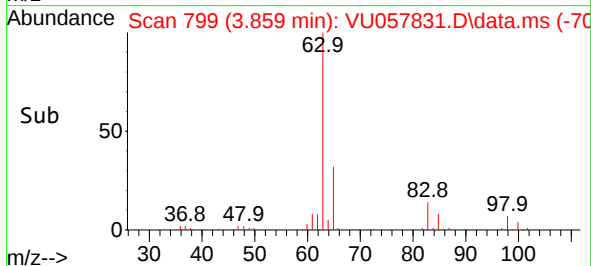
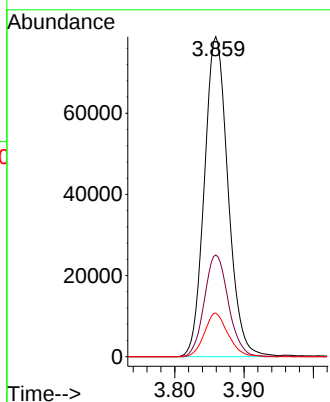


#19
1,1-Dichloroethane
Concen: 53.457 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

Instrument :
MSVOA_U
ClientSampleId :

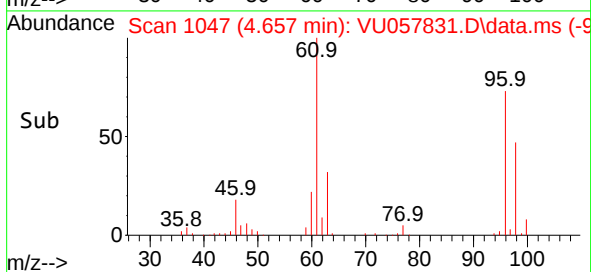
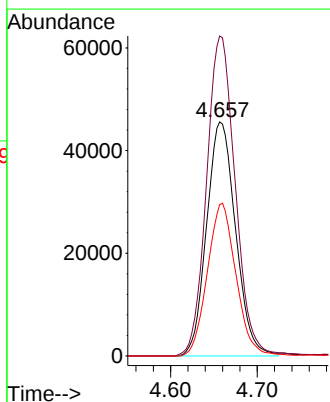
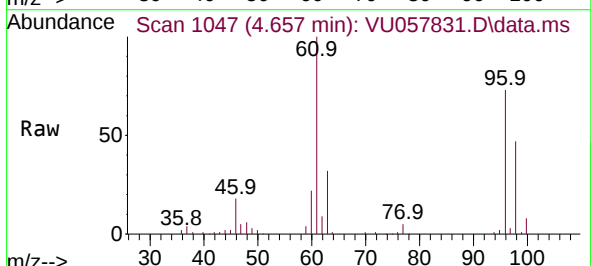


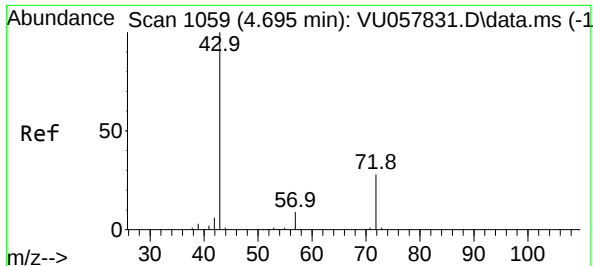
Tgt Ion: 63 Resp: 187163
Ion Ratio Lower Upper
63 100
65 32.5 22.7 42.3
83 13.6 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 52.590 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

Tgt Ion: 96 Resp: 106003
Ion Ratio Lower Upper
96 100
61 136.7 95.7 177.7
98 64.6 45.2 84.0





#22

2-Butanone

Concen: 136.672 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

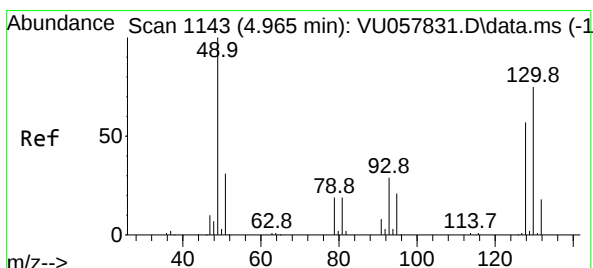
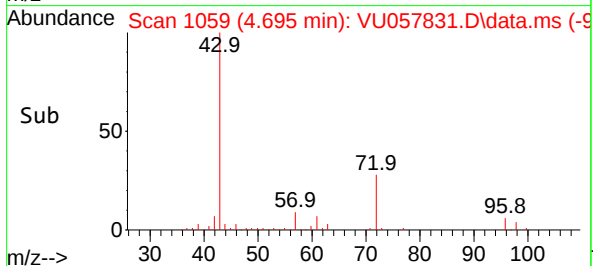
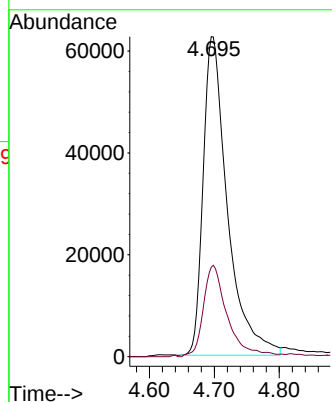
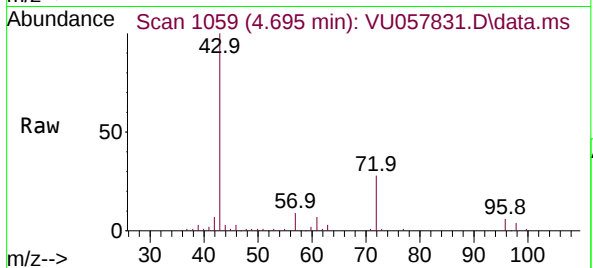
ClientSampleId :

Tgt Ion: 43 Resp: 163177

Ion Ratio Lower Upper

43 100

72 27.5 13.8 41.3



#23

Bromochloromethane

Concen: 46.440 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Tgt Ion:128 Resp: 52274

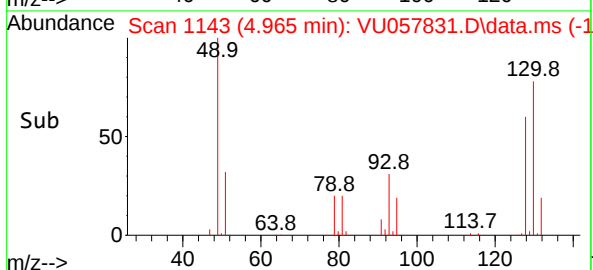
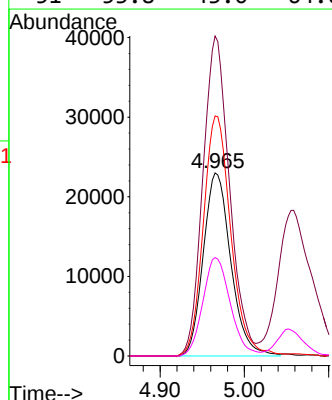
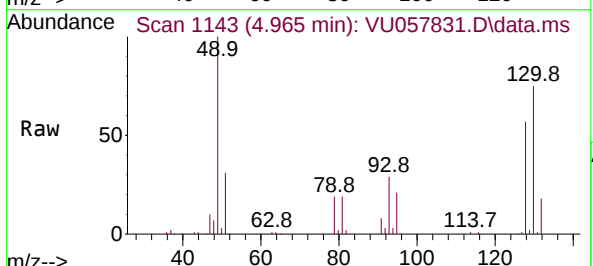
Ion Ratio Lower Upper

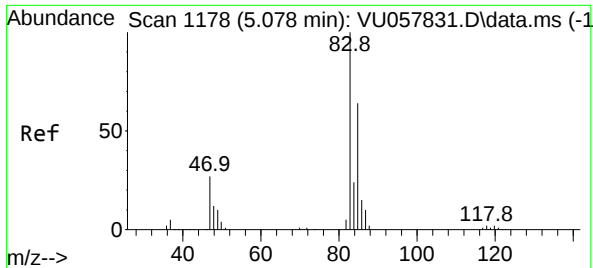
128 100

49 174.8 122.4 227.2

130 131.1 91.8 170.4

51 53.8 43.0 64.6

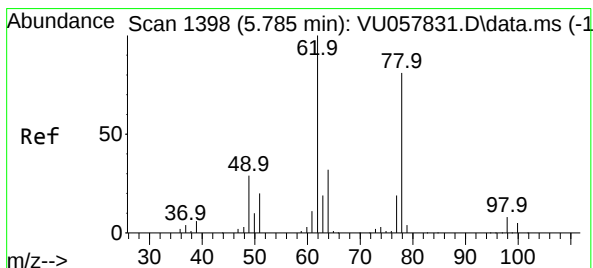
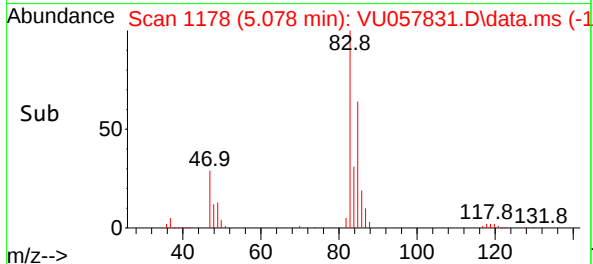
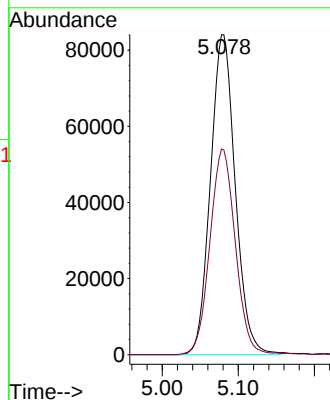
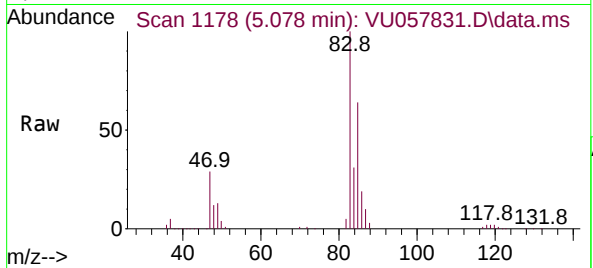




#25
Chloroform
Concen: 46.324 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

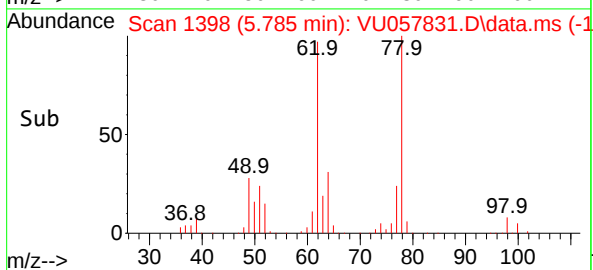
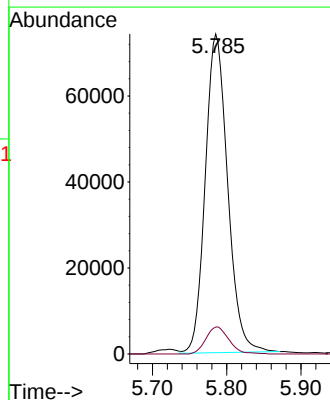
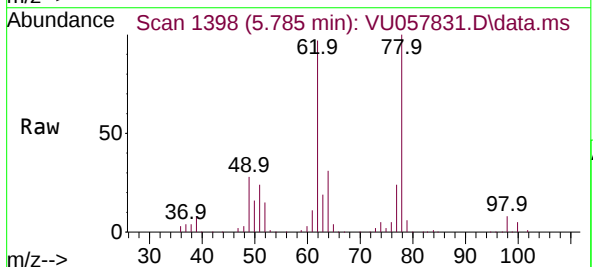
Instrument :
MSVOA_U
ClientSampleId :

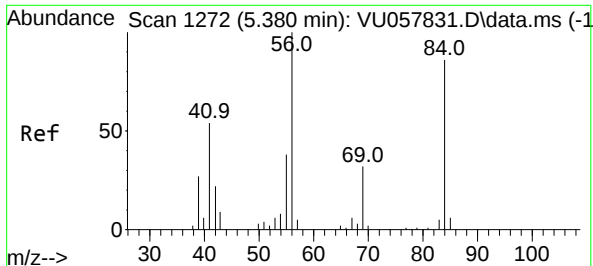
Tgt Ion: 83 Resp: 190402
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 45.401 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

Tgt Ion: 62 Resp: 155182
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1





#29

Cyclohexane

Concen: 65.872 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.000 min

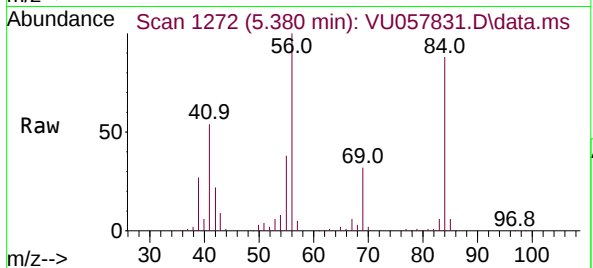
Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

ClientSampleId :



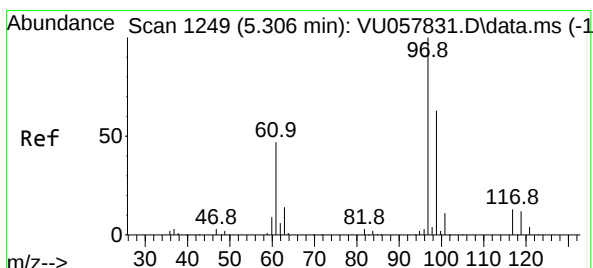
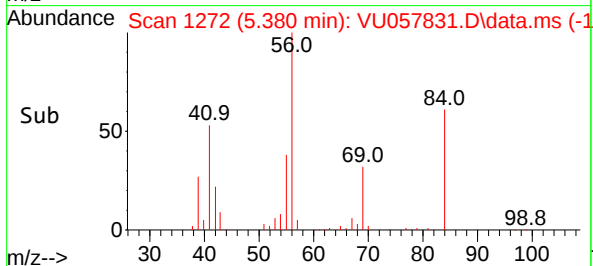
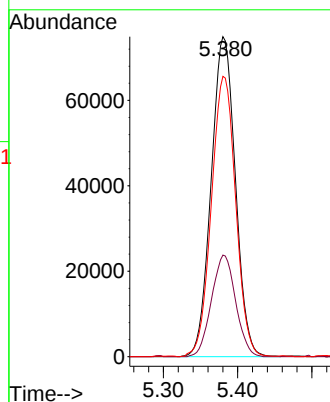
Tgt Ion: 56 Resp: 169417

Ion Ratio Lower Upper

56 100

69 31.7 25.4 38.0

84 88.0 70.4 105.6



#30

1,1,1-Trichloroethane

Concen: 43.995 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

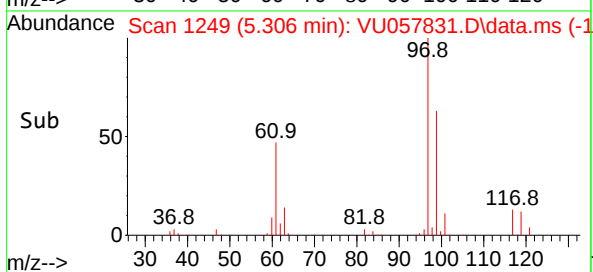
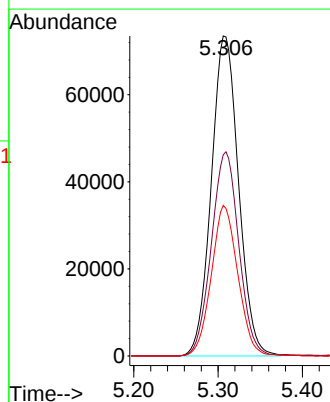
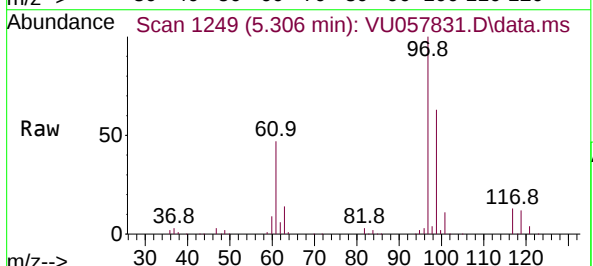
Tgt Ion: 97 Resp: 165167

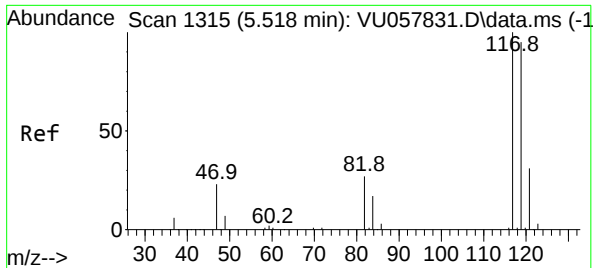
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 45.9 36.7 55.1

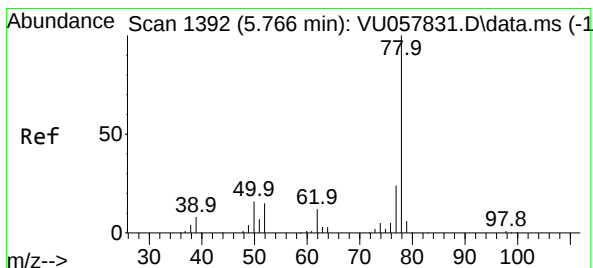
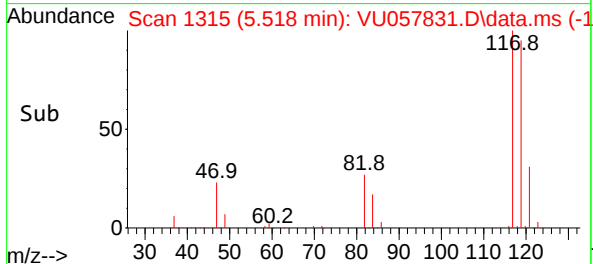
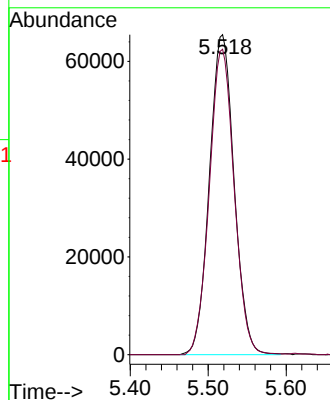
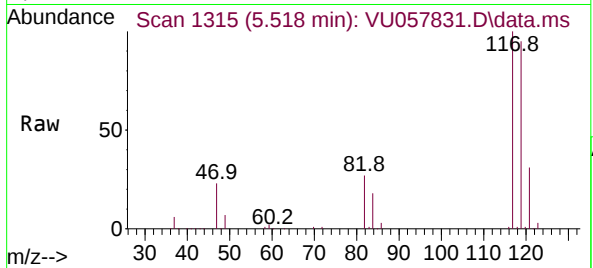




#31
Carbon tetrachloride
Concen: 43.548 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

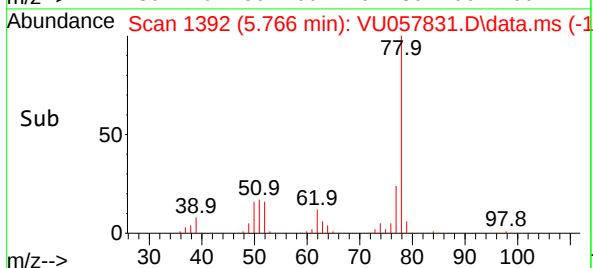
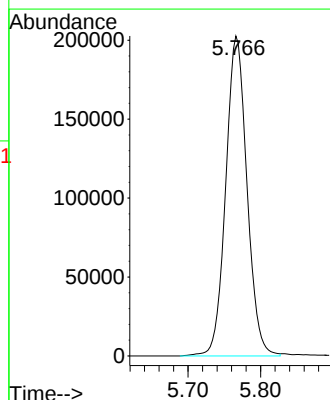
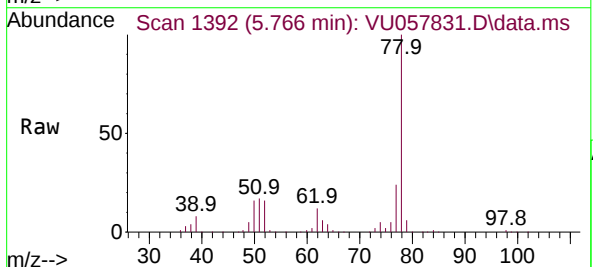
Instrument :
MSVOA_U
ClientSampleId :

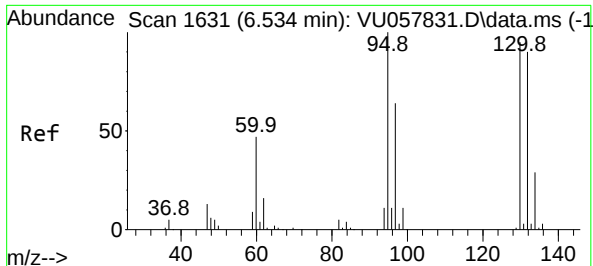
Tgt Ion:117 Resp: 144119
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1



#33
Benzene
Concen: 56.706 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

Tgt Ion: 78 Resp: 412229





#34

Trichloroethene

Concen: 52.607 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 110346

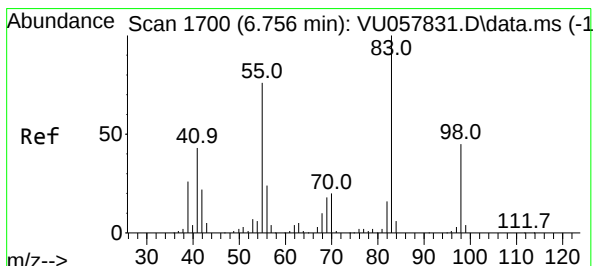
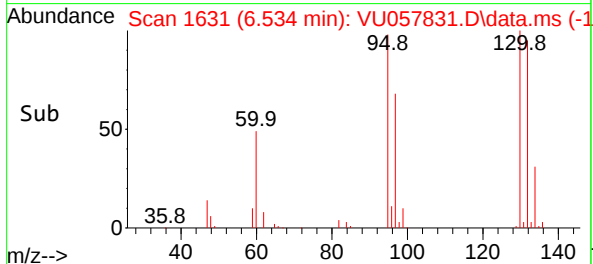
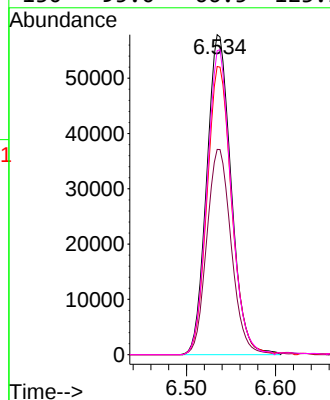
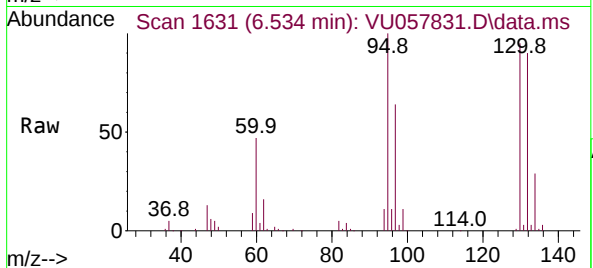
Ion Ratio Lower Upper

95 100

97 64.2 44.9 83.5

132 90.1 63.1 117.1

130 95.0 66.5 123.5



#35

Methylcyclohexane

Concen: 61.143 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

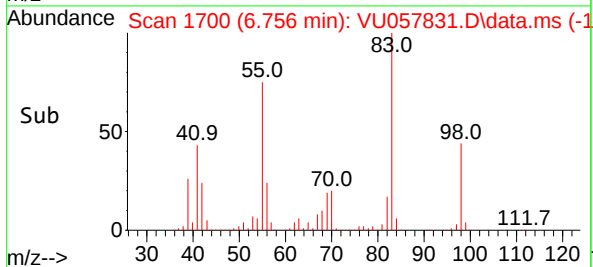
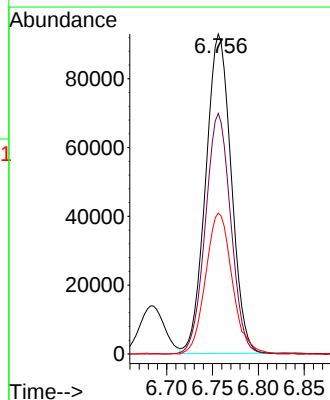
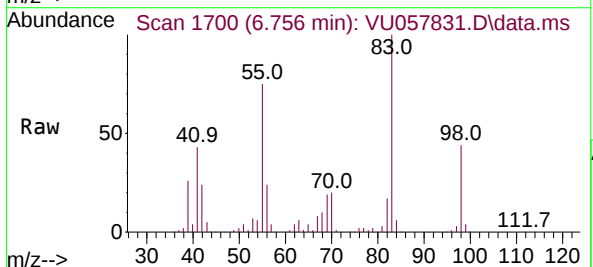
Tgt Ion: 83 Resp: 180052

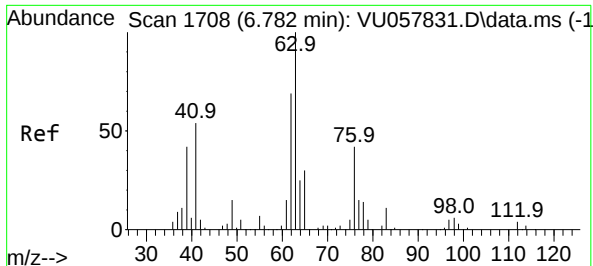
Ion Ratio Lower Upper

83 100

55 74.9 59.9 89.9

98 46.0 36.8 55.2





#37

1,2-Dichloropropane

Concen: 60.351 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

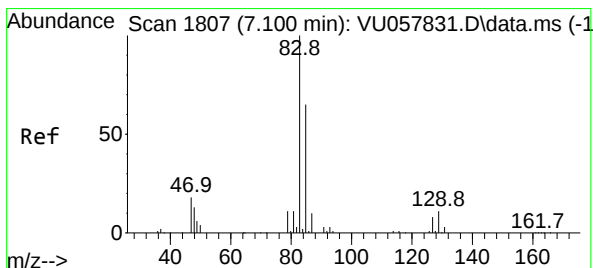
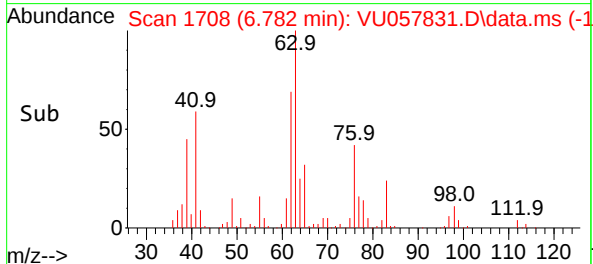
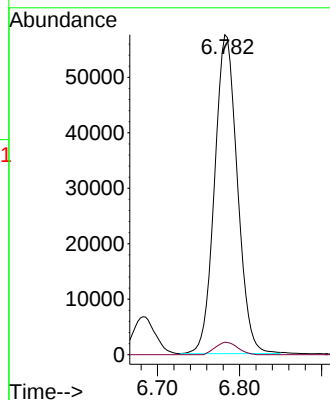
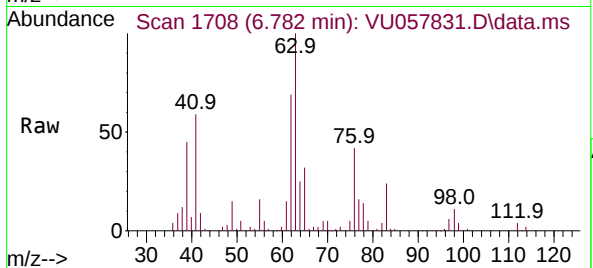
ClientSampleId :

Tgt Ion: 63 Resp: 111040

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 48.624 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

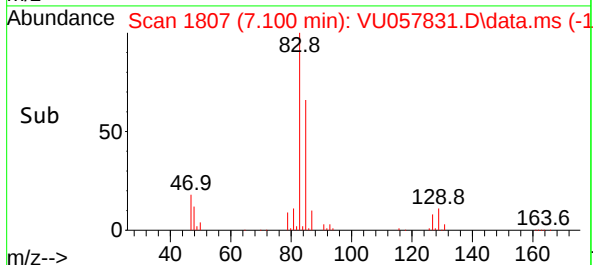
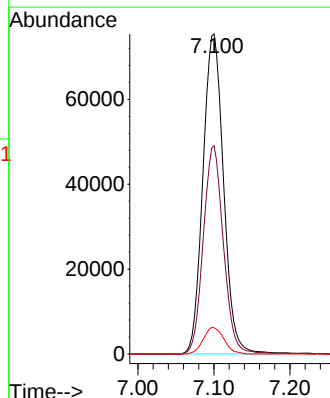
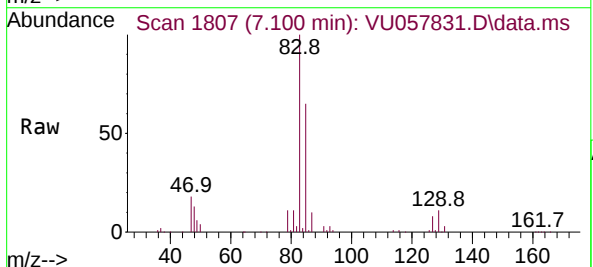
Tgt Ion: 83 Resp: 142307

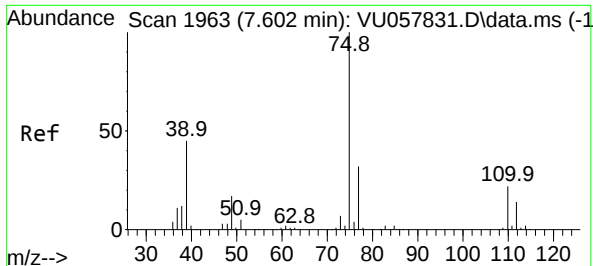
Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6

127 9.0 7.2 10.8

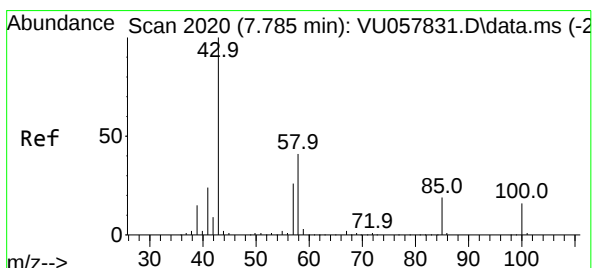
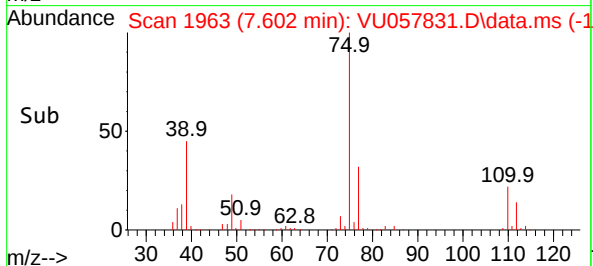
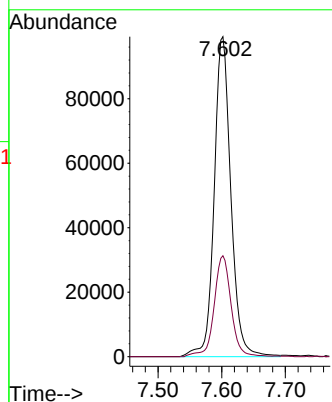
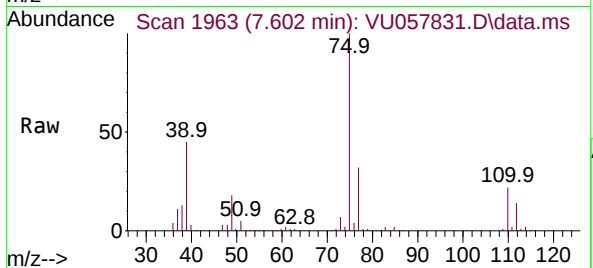




#39
 cis-1,3-Dichloropropene
 Concen: 57.454 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU057831.D
 Acq: 07 Feb 2024 10:12

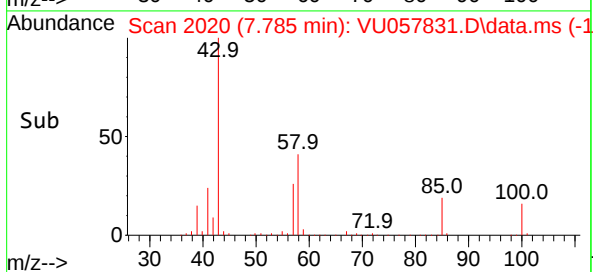
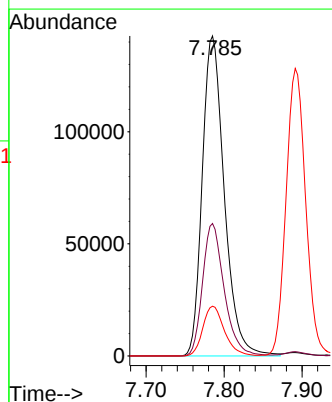
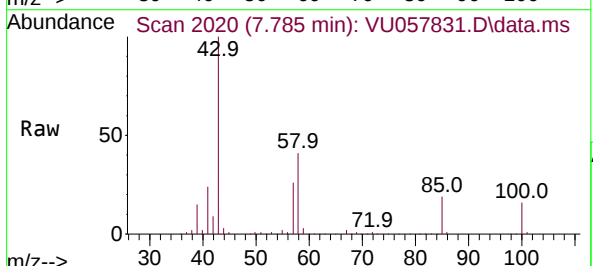
Instrument :
 MSVOA_U
 ClientSampleId :

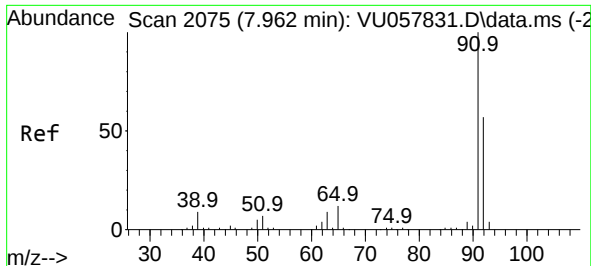
Tgt Ion: 75 Resp: 181131
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 142.546 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: VU057831.D
 Acq: 07 Feb 2024 10:12

Tgt Ion: 43 Resp: 280591
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.5 48.7
 100 15.3 12.2 18.4





#42

Toluene

Concen: 55.958 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

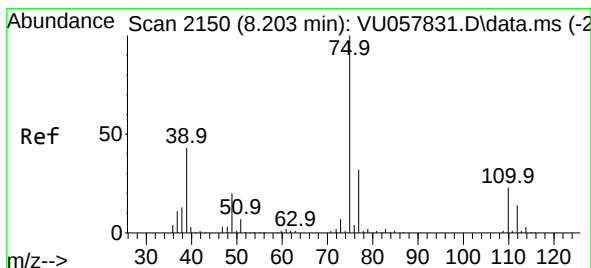
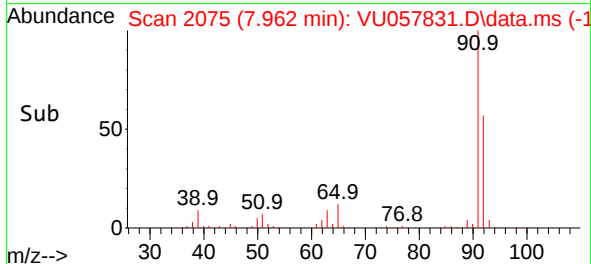
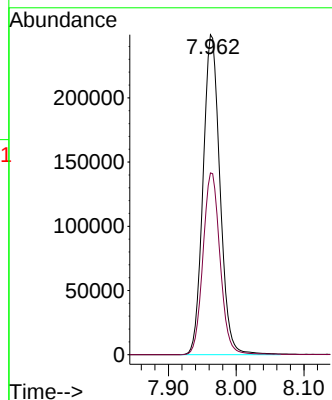
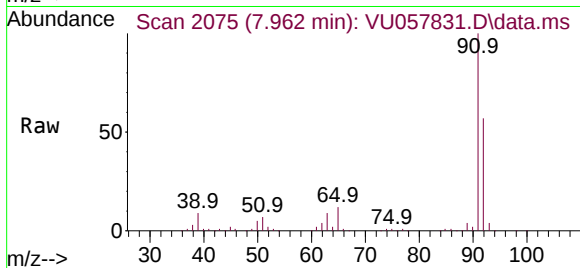
ClientSampleId :

Tgt Ion: 91 Resp: 433359

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 53.826 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057831.D

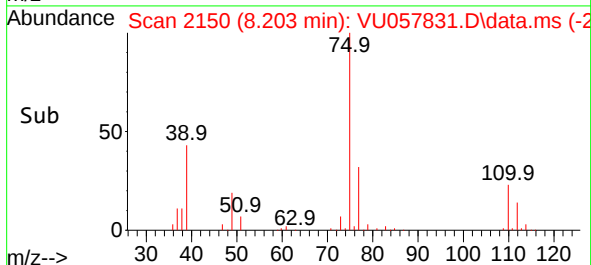
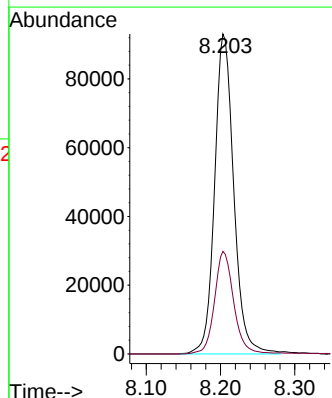
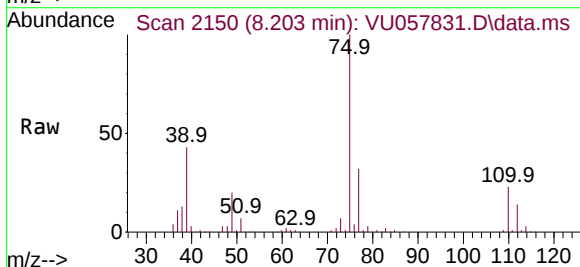
Acq: 07 Feb 2024 10:12

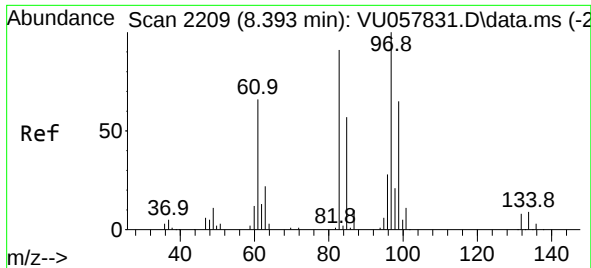
Tgt Ion: 75 Resp: 166791

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



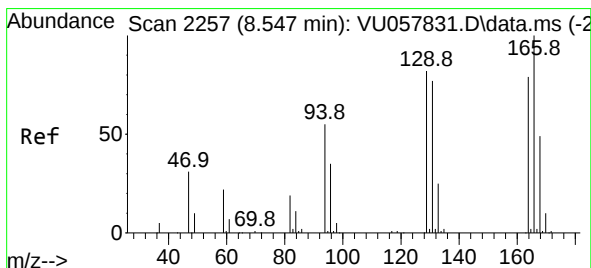
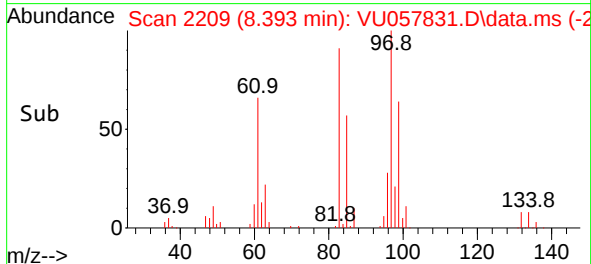
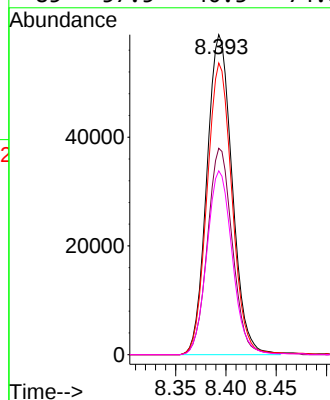
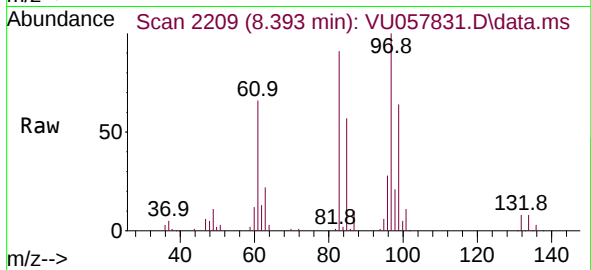


#45
1,1,2-Trichloroethane
Concen: 53.165 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 103321

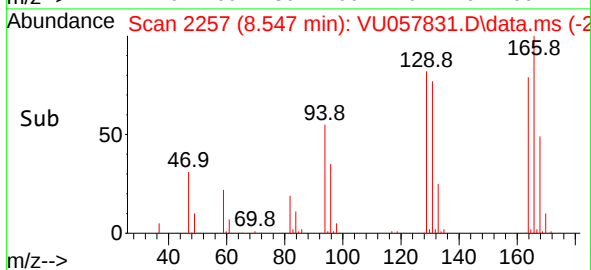
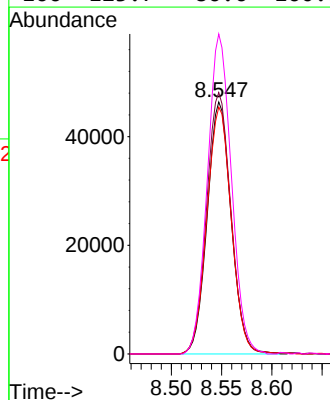
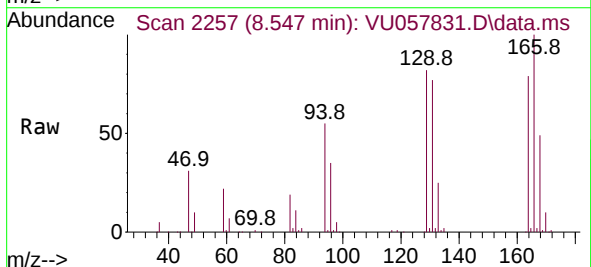
Ion	Ratio	Lower	Upper
97	100		
99	64.5	45.1	83.9
83	91.2	63.8	118.6
85	57.5	40.3	74.8

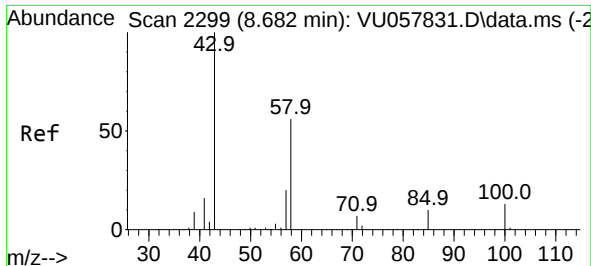


#46
Tetrachloroethene
Concen: 49.469 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

Tgt Ion: 164 Resp: 76880

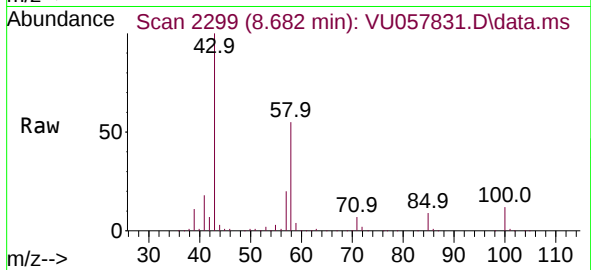
Ion	Ratio	Lower	Upper
164	100		
129	101.1	70.8	131.4
131	95.4	66.8	124.0
166	123.7	86.6	160.8



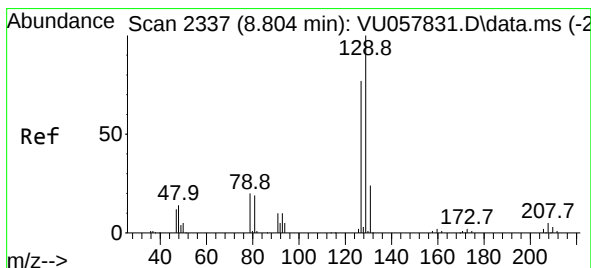
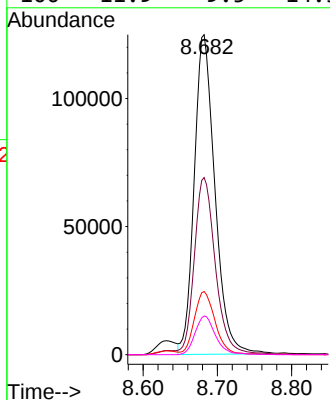
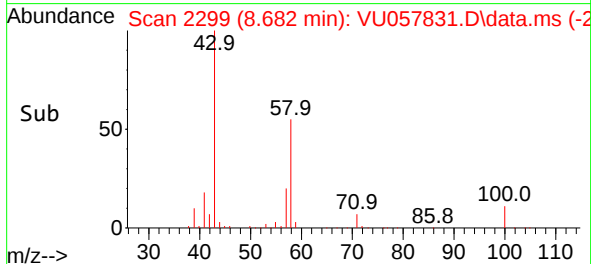


#48
2-Hexanone
Concen: 149.960 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

Instrument :
MSVOA_U
ClientSampleId :

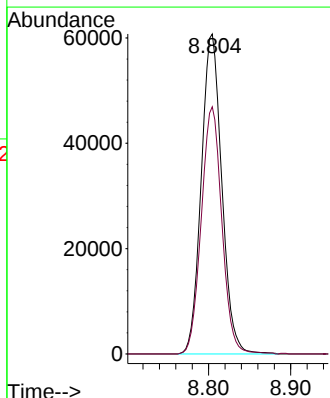
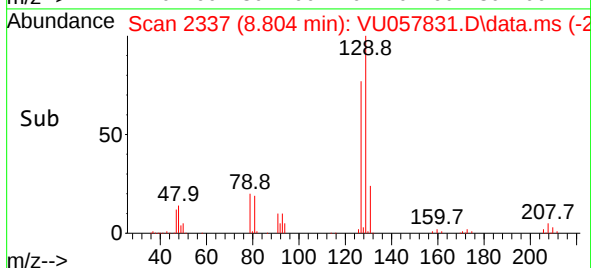
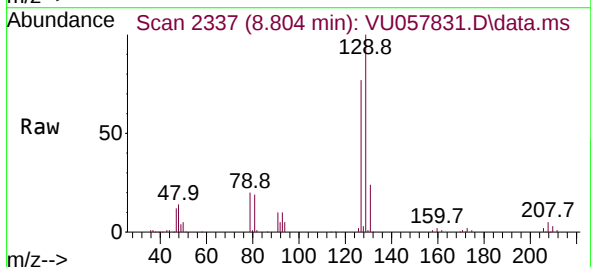


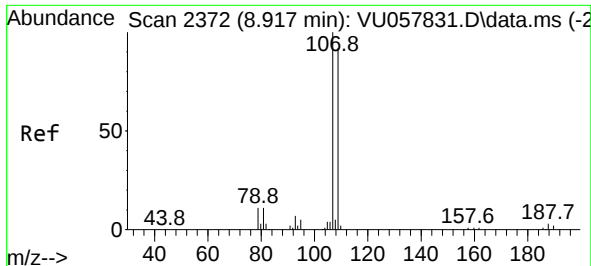
Tgt Ion:	43	Resp:	242549
Ion	Ratio	Lower	Upper
43	100		
58	55.1	44.1	66.1
57	19.3	15.4	23.2
100	11.9	9.5	14.3



#49
Dibromochloromethane
Concen: 46.104 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

Tgt Ion:	129	Resp:	105591
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.1	100.5





#50

1,2-Dibromoethane

Concen: 53.760 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

ClientSampleId :

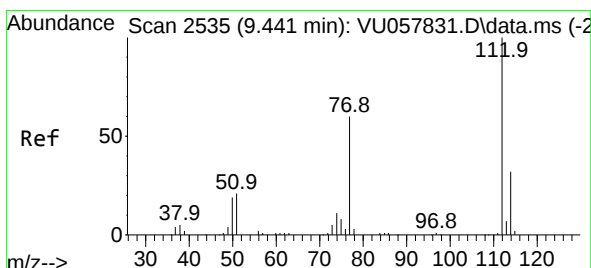
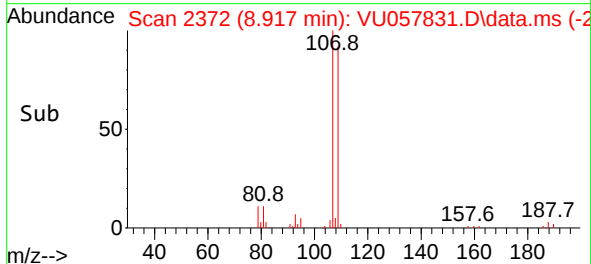
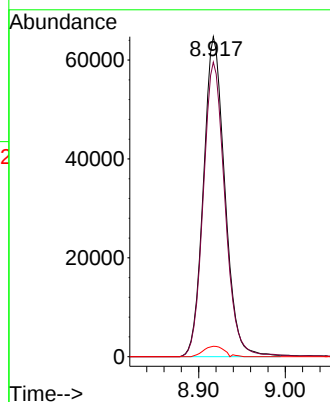
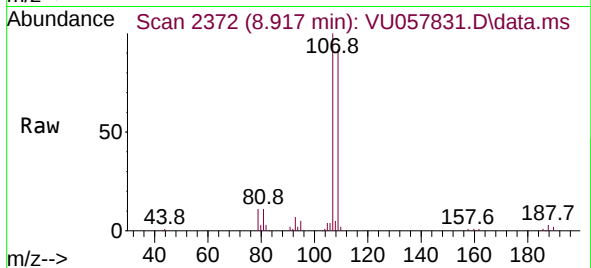
Tgt Ion:107 Resp: 110977

Ion Ratio Lower Upper

107 100

109 92.0 64.4 119.6

188 3.2 2.6 3.8



#51

Chlorobenzene

Concen: 53.433 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

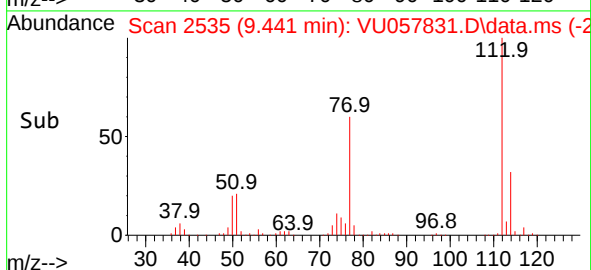
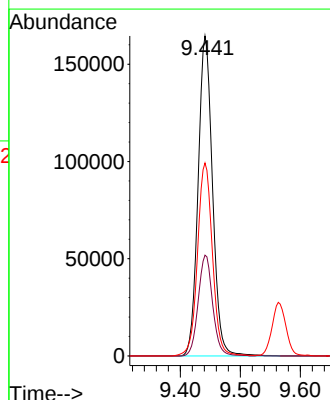
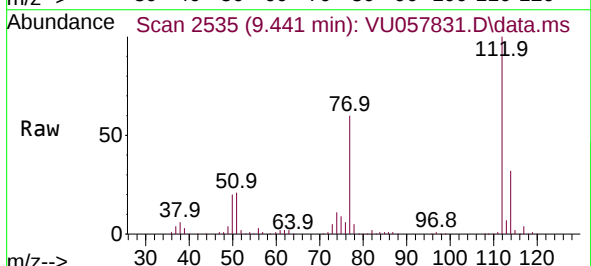
Tgt Ion:112 Resp: 275864

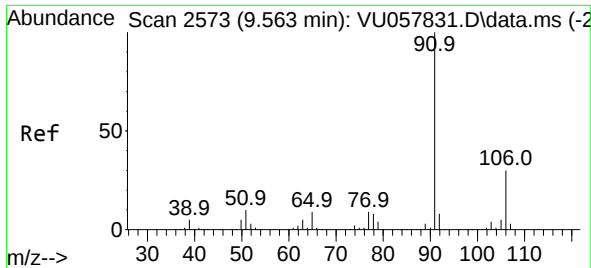
Ion Ratio Lower Upper

112 100

114 31.5 22.0 41.0

77 60.3 48.2 72.4

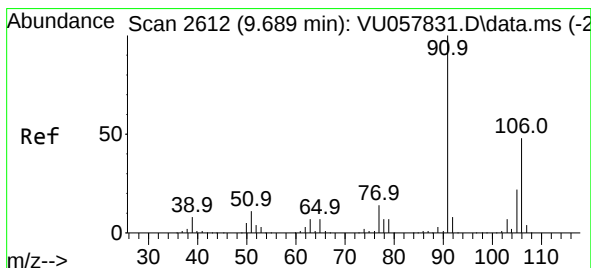
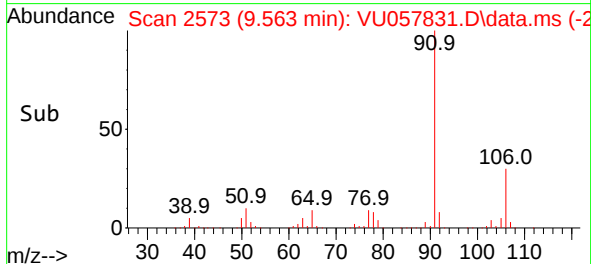
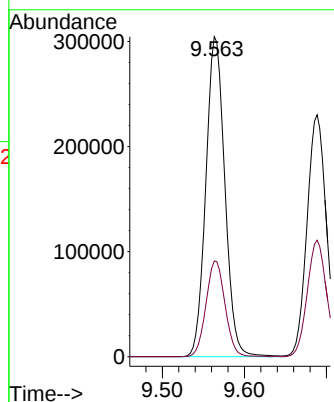
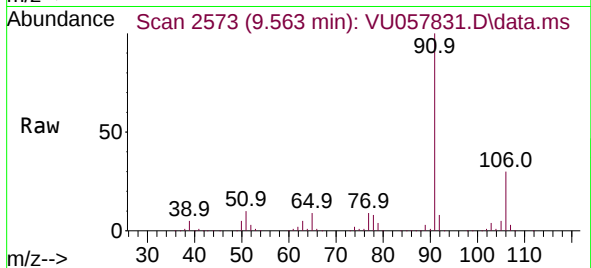




#52
Ethylbenzene
Concen: 56.637 ug/L
RT: 9.563 min Scan# 2100
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

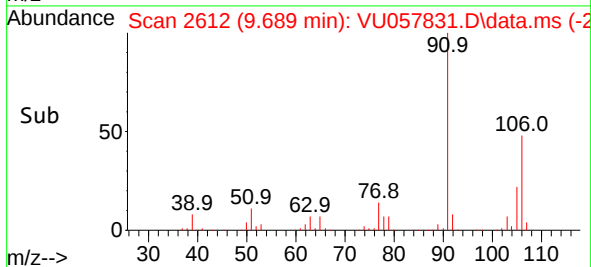
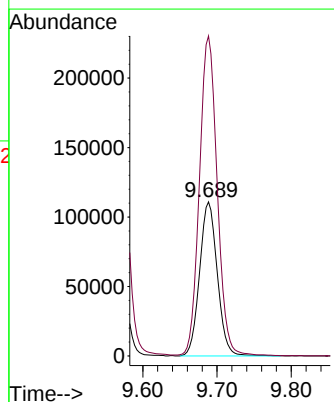
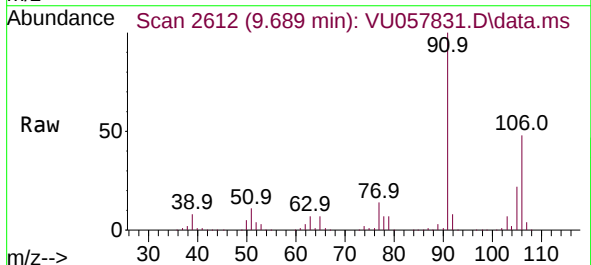
Instrument :
MSVOA_U
ClientSampleId :

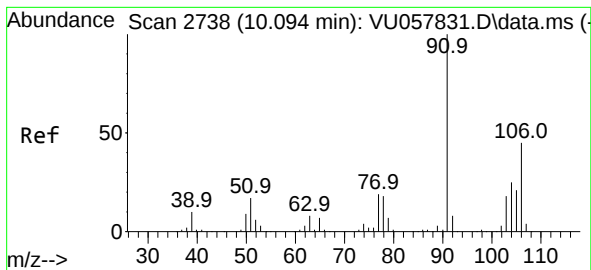
Tgt Ion: 91 Resp: 489428
Ion Ratio Lower Upper
91 100
106 29.9 20.9 38.9



#53
m,p-Xylene
Concen: 56.885 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

Tgt Ion:106 Resp: 183723
Ion Ratio Lower Upper
106 100
91 207.6 145.3 269.9





#54

o-Xylene

Concen: 56.333 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

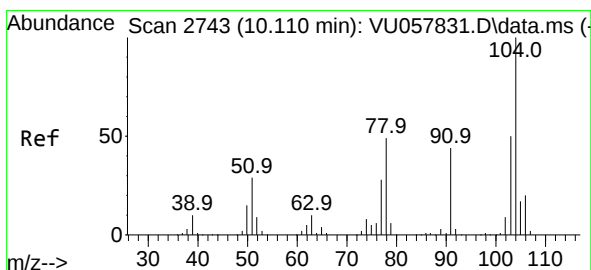
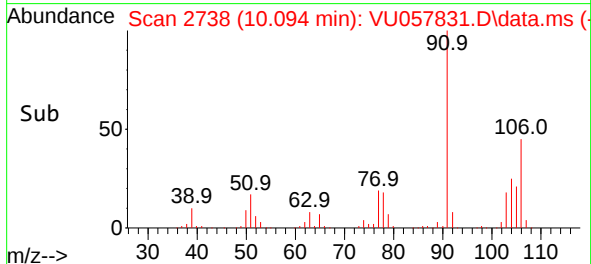
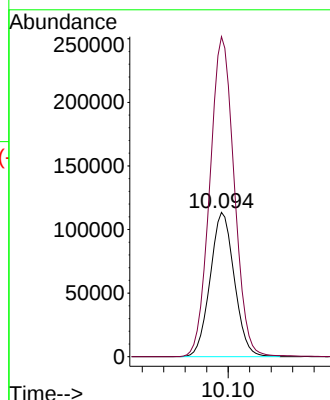
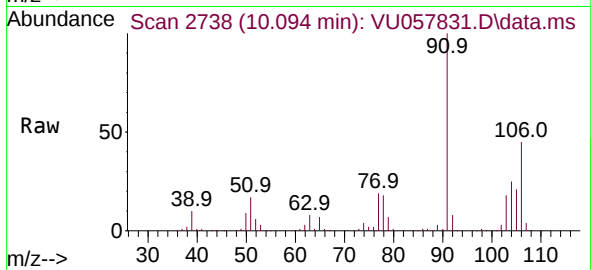
ClientSampleId :

Tgt Ion:106 Resp: 177176

Ion Ratio Lower Upper

106 100

91 221.8 155.3 288.3



#55

Styrene

Concen: 56.470 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057831.D

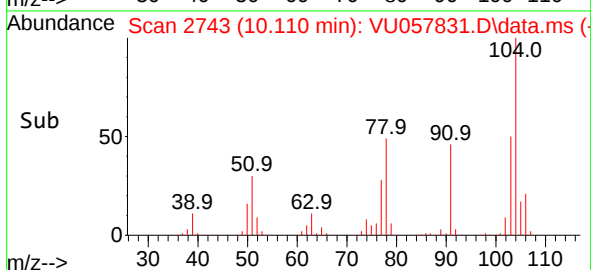
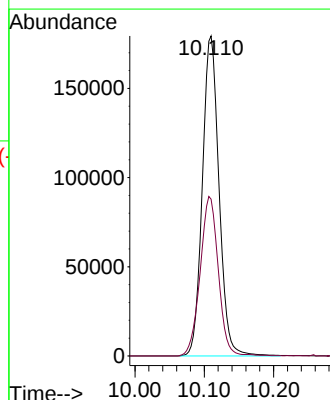
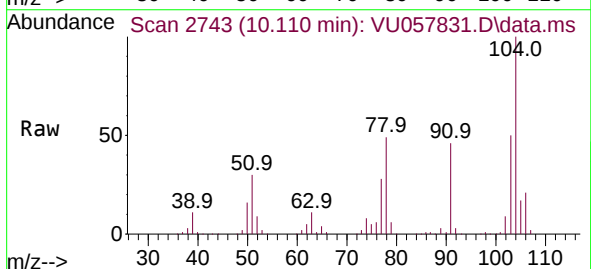
Acq: 07 Feb 2024 10:12

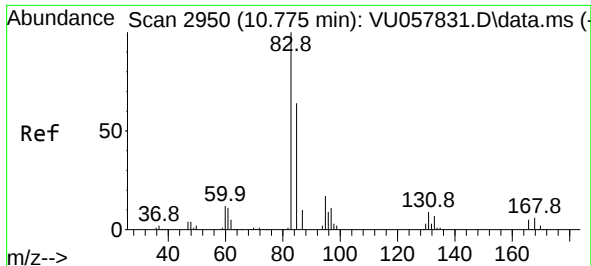
Tgt Ion:104 Resp: 299383

Ion Ratio Lower Upper

104 100

78 49.0 34.3 63.7

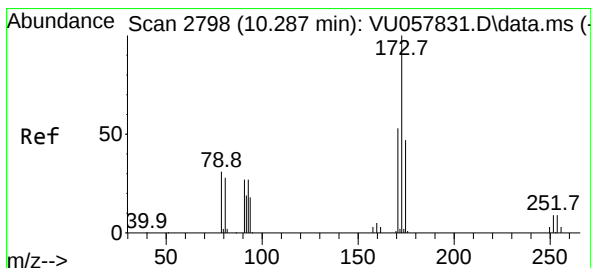
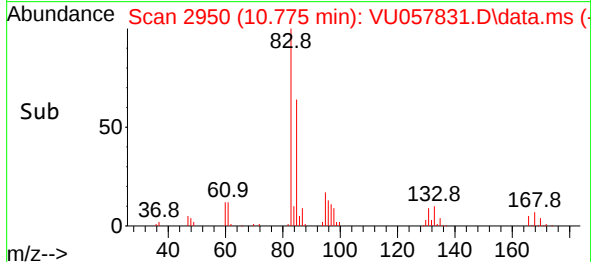
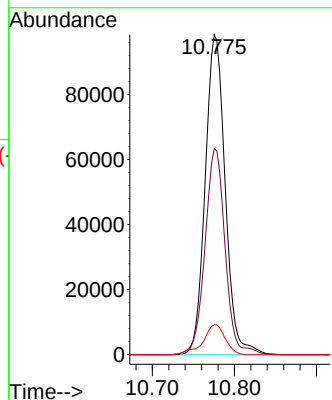
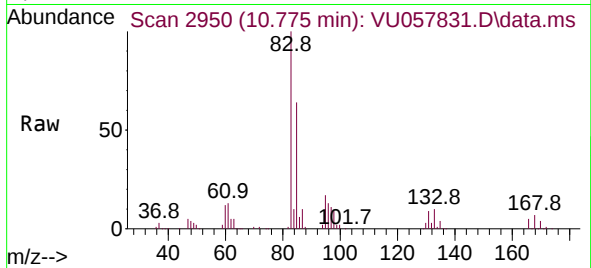




#57
1,1,2,2-Tetrachloroethane
Concen: 55.977 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

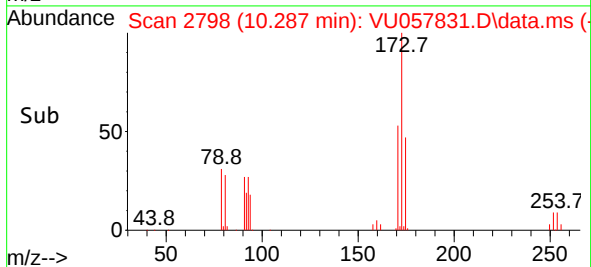
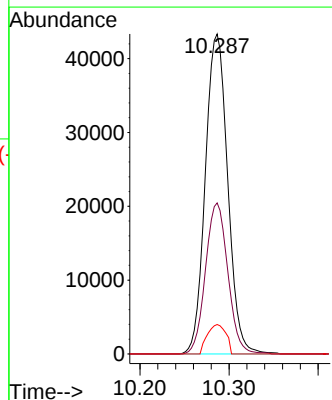
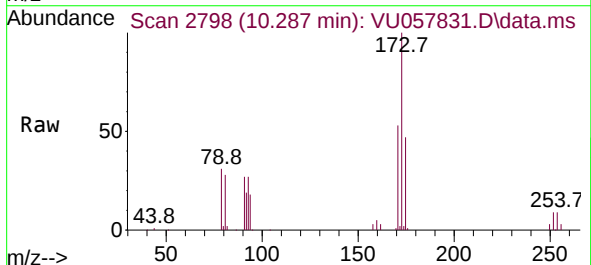
Instrument :
MSVOA_U
ClientSampleId :

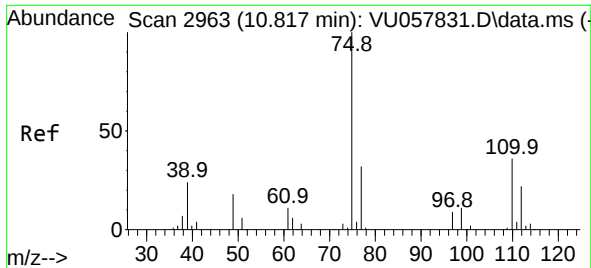
Tgt Ion: 83 Resp: 166899
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.7
131 9.4 7.5 11.3



#59
Bromoform
Concen: 42.626 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

Tgt Ion:173 Resp: 75669
Ion Ratio Lower Upper
173 100
175 47.1 37.7 56.5
254 7.7 6.2 9.2

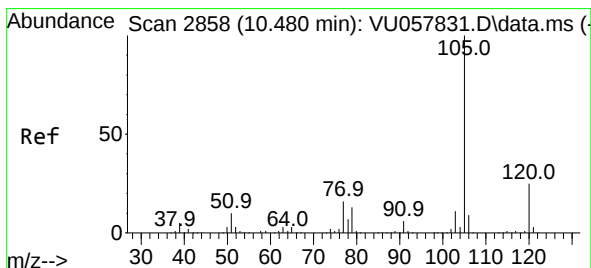
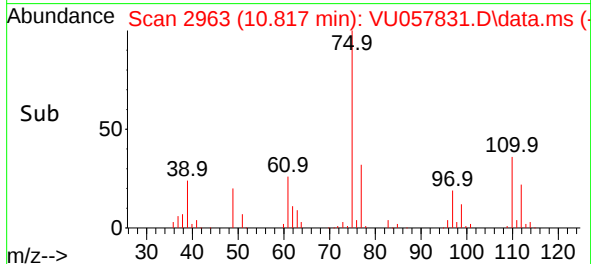
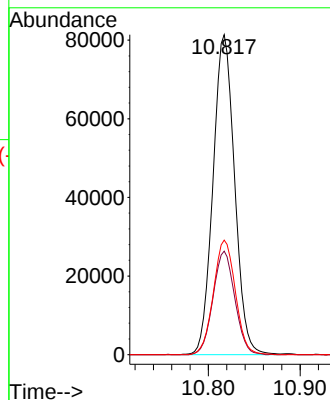
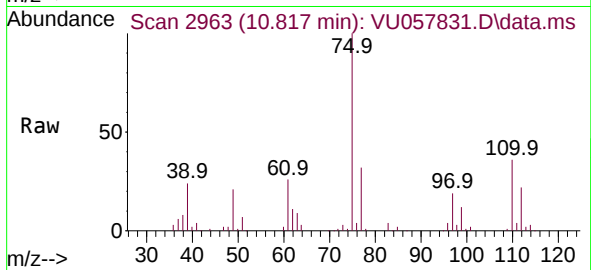




#60
1,2,3-Trichloropropane
Concen: 54.289 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

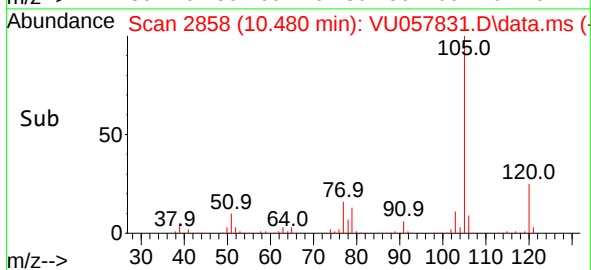
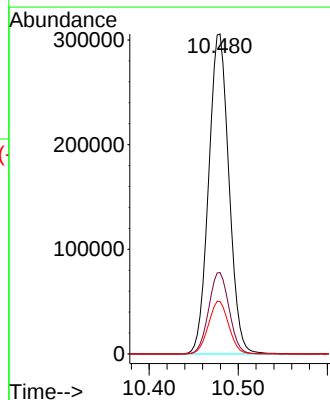
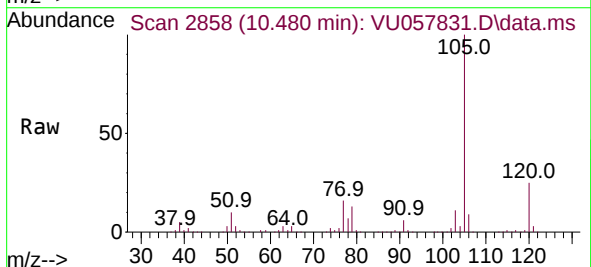
Instrument :
MSVOA_U
ClientSampleId :

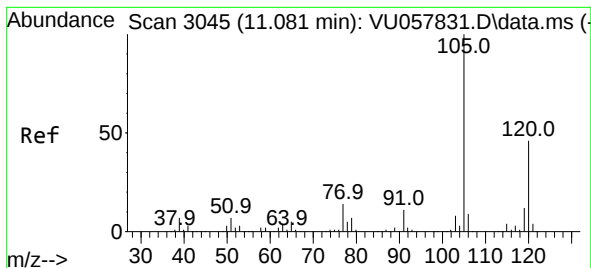
Tgt Ion: 75 Resp: 133338
Ion Ratio Lower Upper
75 100
77 32.6 26.1 39.1
110 36.4 29.1 43.7



#61
Isopropylbenzene
Concen: 57.086 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057831.D
Acq: 07 Feb 2024 10:12

Tgt Ion: 105 Resp: 483153
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8
77 16.5 13.2 19.8





#62

1,3,5-Trimethylbenzene

Concen: 56.520 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

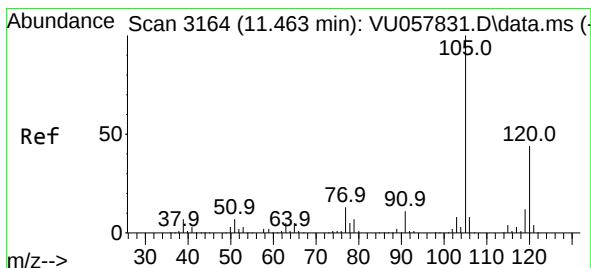
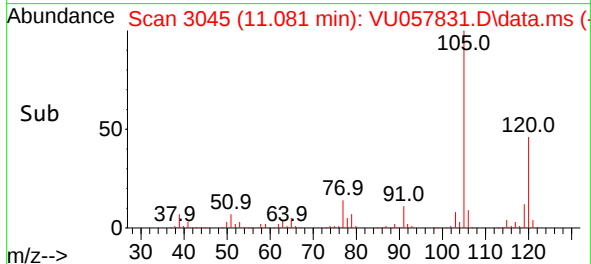
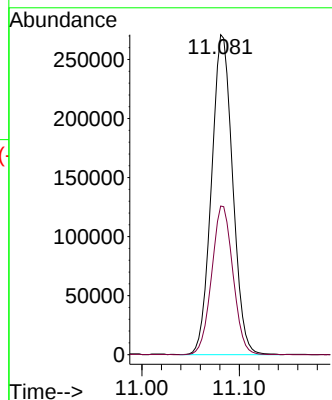
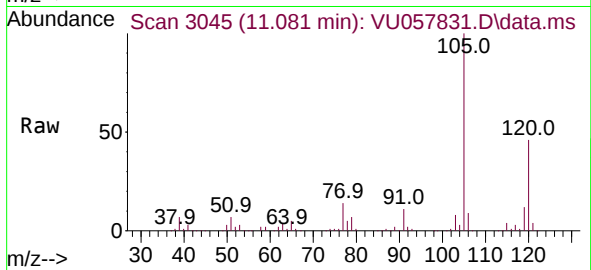
ClientSampleId :

Tgt Ion:105 Resp: 408727

Ion Ratio Lower Upper

105 100

120 46.6 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 57.578 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057831.D

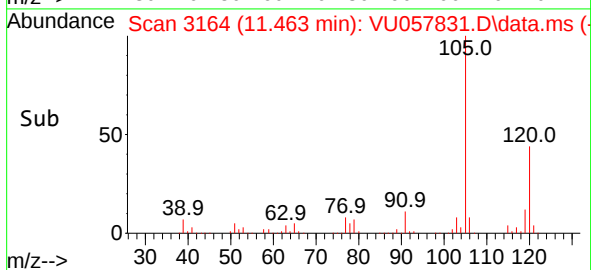
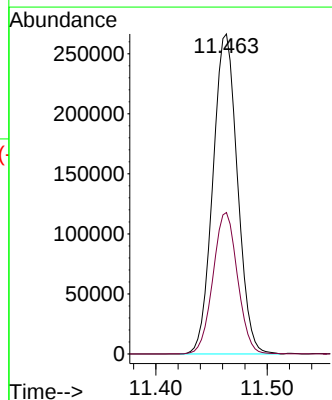
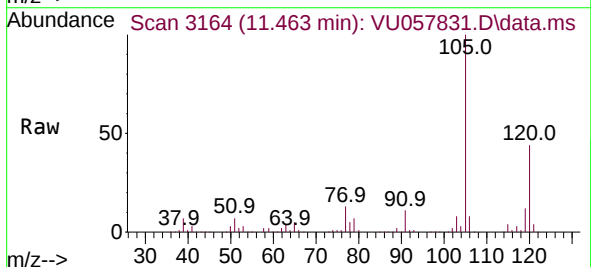
Acq: 07 Feb 2024 10:12

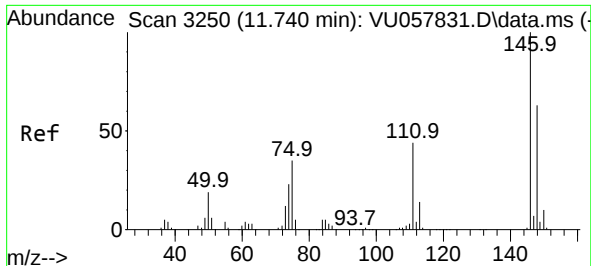
Tgt Ion:105 Resp: 408514

Ion Ratio Lower Upper

105 100

120 44.2 35.4 53.0

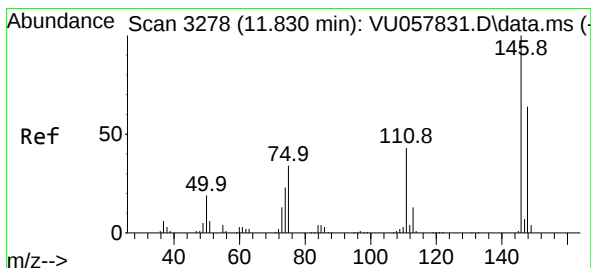
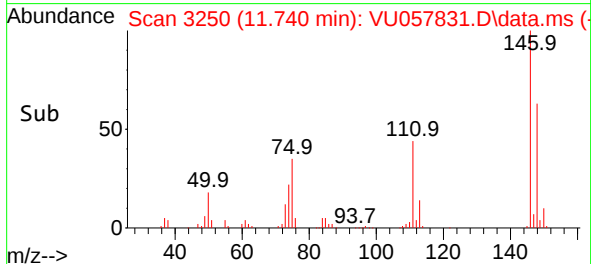
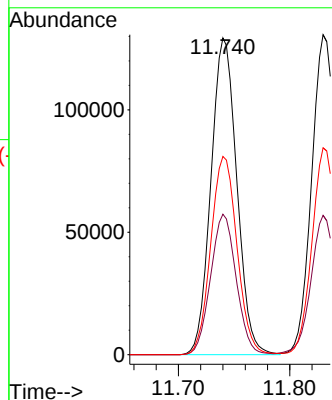
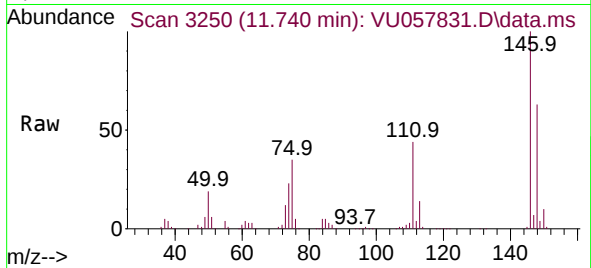




#64
 1,3-Dichlorobenzene
 Concen: 52.865 ug/L
 RT: 11.740 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU057831.D
 Acq: 07 Feb 2024 10:12

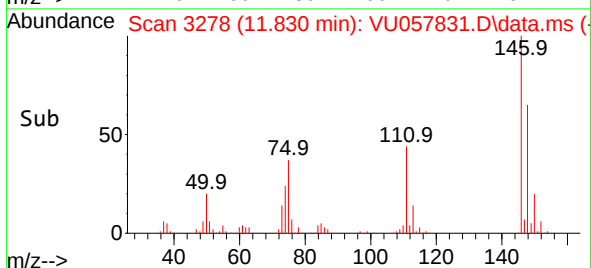
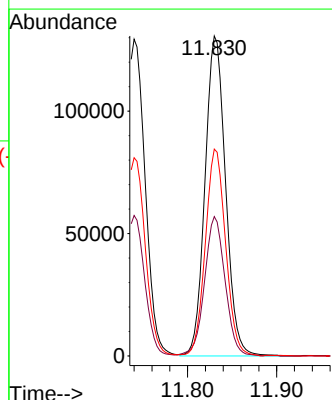
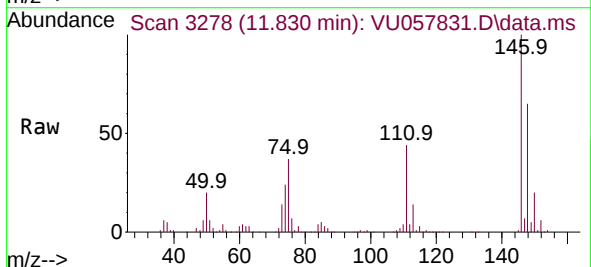
Instrument :
 MSVOA_U
 ClientSampleId :

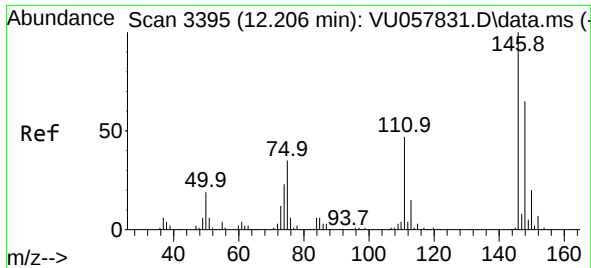
Tgt Ion:146 Resp: 208662
 Ion Ratio Lower Upper
 146 100
 111 44.4 31.1 57.7
 148 66.8 46.8 86.8



#65
 1,4-Dichlorobenzene
 Concen: 51.540 ug/L
 RT: 11.830 min Scan# 3278
 Delta R.T. 0.000 min
 Lab File: VU057831.D
 Acq: 07 Feb 2024 10:12

Tgt Ion:146 Resp: 209175
 Ion Ratio Lower Upper
 146 100
 111 43.6 30.5 56.7
 148 64.7 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 52.060 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

ClientSampleId :

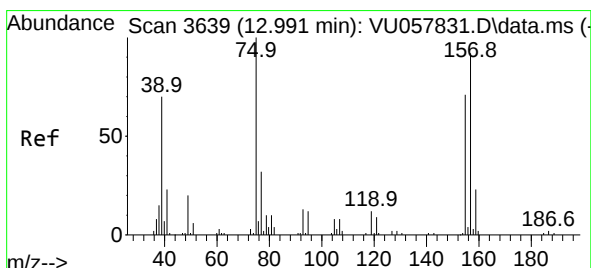
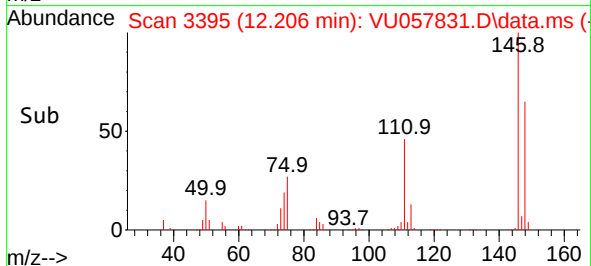
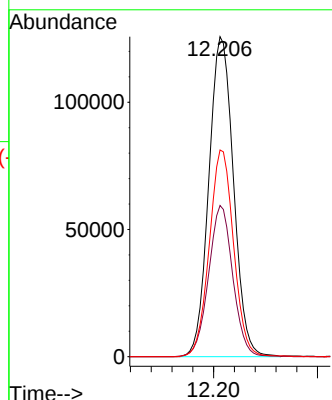
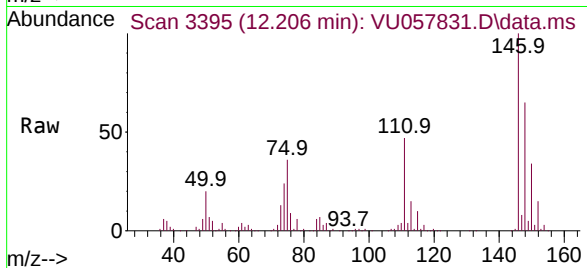
Tgt Ion:146 Resp: 207028

Ion Ratio Lower Upper

146 100

111 47.3 37.8 56.8

148 64.6 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 52.885 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

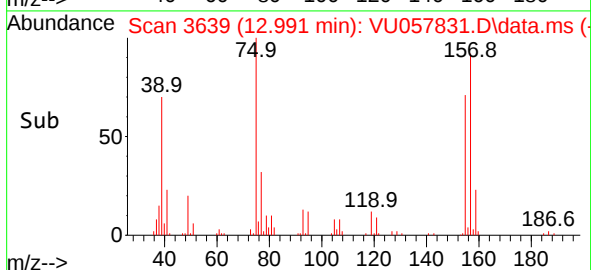
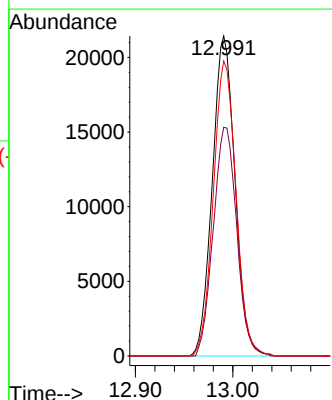
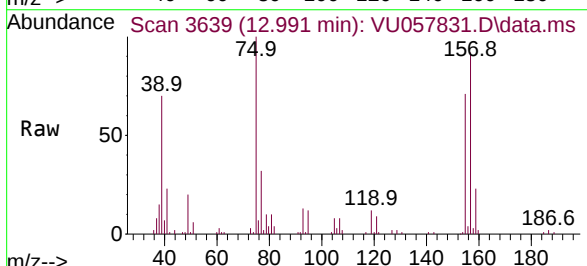
Tgt Ion: 75 Resp: 34694

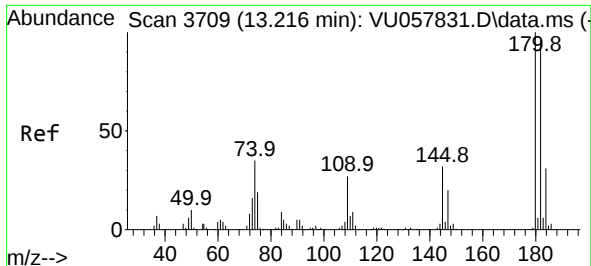
Ion Ratio Lower Upper

75 100

155 69.9 55.9 83.9

157 88.9 71.1 106.7





#69

1,3,5-Trichlorobenzene

Concen: 53.065 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

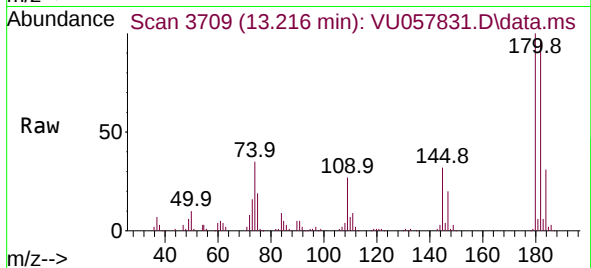
Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 150564

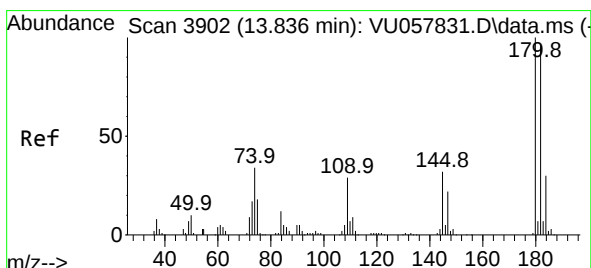
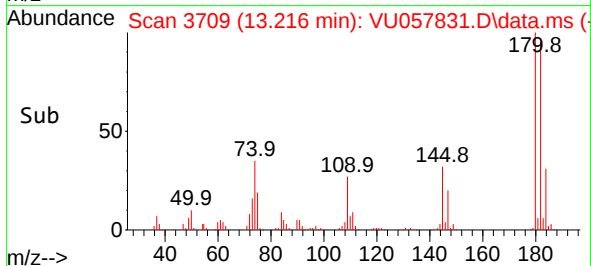
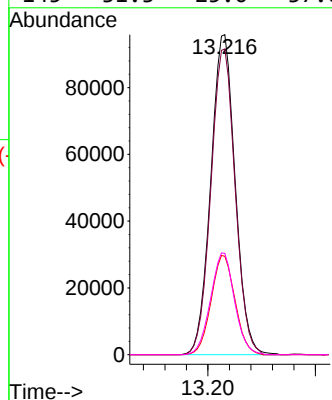
Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

184 30.4 24.3 36.5

145 31.3 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 57.991 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

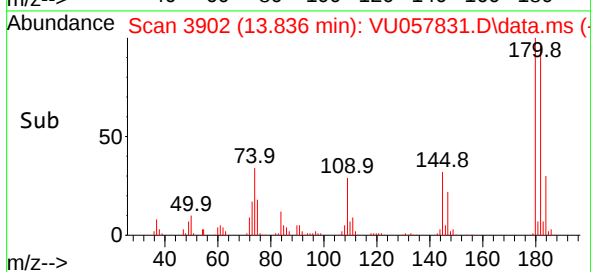
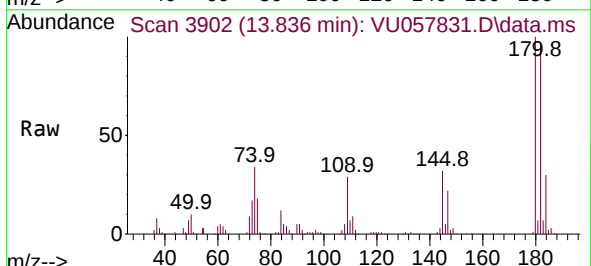
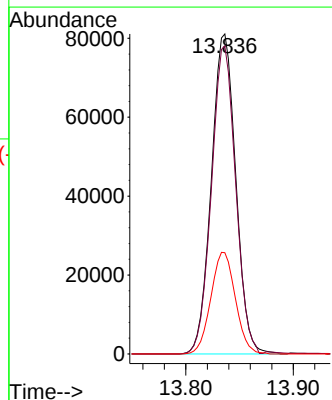
Tgt Ion:180 Resp: 127975

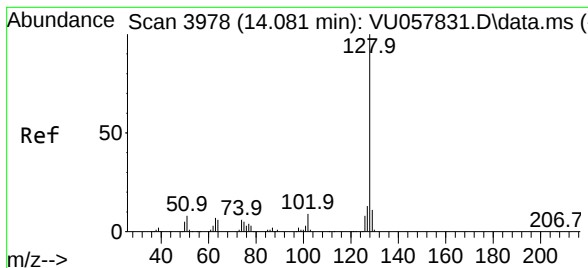
Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 31.9 25.5 38.3





#71

Naphthalene

Concen: 63.989 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Instrument :

MSVOA_U

ClientSampleId :

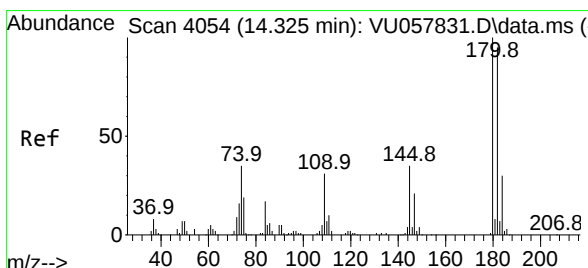
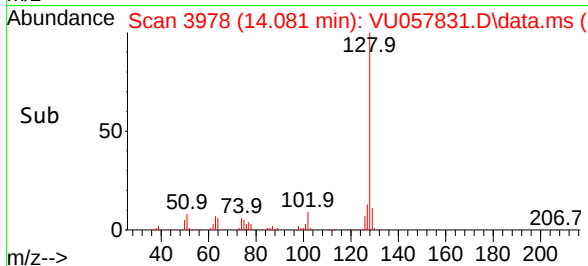
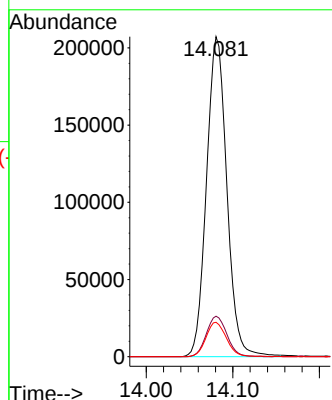
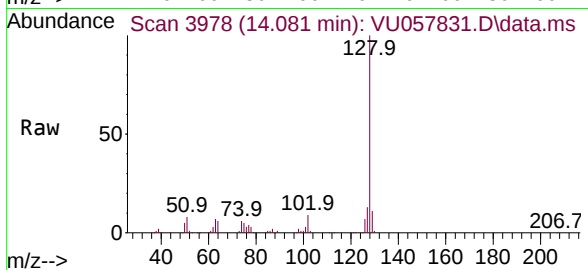
Tgt Ion:128 Resp: 338479

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 56.539 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU057831.D

Acq: 07 Feb 2024 10:12

Tgt Ion:180 Resp: 116716

Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 34.6 27.7 41.5

