

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022324\
 Data File : VU057947.D
 Acq On : 23 Feb 2024 15:55
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 23 23:02:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 23 23:00:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	247097	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	239257	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	117772	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	64710	36.173	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.340%		
7) Chloroethane-d5	1.904	69	60182	45.515	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.040%		
11) 1,1-Dichloroethene-d2	2.560	63	132562	39.762	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.520%		
21) 2-Butanone-d5	4.608	46	83050	122.186	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	122.190%		
24) Chloroform-d	5.052	84	159175	52.474	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.940%		
26) 1,2-Dichloroethane-d4	5.692	65	102087	53.686	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.380%		
32) Benzene-d6	5.718	84	295291	49.248	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.500%		
36) 1,2-Dichloropropane-d6	6.682	67	101010	52.172	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	104.340%		
41) Toluene-d8	7.891	98	258224	47.576	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.160%		
43) trans-1,3-Dichloroprop...	8.171	79	45266	49.097	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.200%		
47) 2-Hexanone-d5	8.624	63	62577	84.075	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.070%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	135599	50.756	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.520%		
66) 1,2-Dichlorobenzene-d4	12.187	152	93591	49.078	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.160%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	75292	27.795	ug/L	100
3) Chloromethane	1.515	50	121977	44.286	ug/L	98
5) Vinyl chloride	1.599	62	107473	39.515	ug/L	99
6) Bromomethane	1.850	94	70117	66.027	ug/L	99
8) Chloroethane	1.927	64	70773	44.494	ug/L	99
9) Trichlorofluoromethane	2.133	101	110312	33.146	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	60137	31.091	ug/L	99
12) 1,1-Dichloroethene	2.573	96	71867	40.170	ug/L	95
13) Acetone	2.608	43	95893	76.197	ug/L	100
14) Carbon disulfide	2.785	76	240884	41.142	ug/L	99
15) Methyl Acetate	2.933	43	133613	65.214	ug/L	99
16) Methylene chloride	3.033	84	111142	47.662	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	84845	45.711	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	329449	50.981	ug/L	100
19) 1,1-Dichloroethane	3.856	63	188985	49.110	ug/L	98
20) cis-1,2-Dichloroethene	4.657	96	104712	49.177	ug/L	99
22) 2-Butanone	4.685	43	123171	80.783	ug/L	99
23) Bromochloromethane	4.965	128	52635	50.877	ug/L	96
25) Chloroform	5.078	83	191659	50.442	ug/L	99

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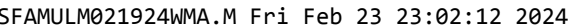
Instrument :
 MSVOA_U
 ClientSampleId :

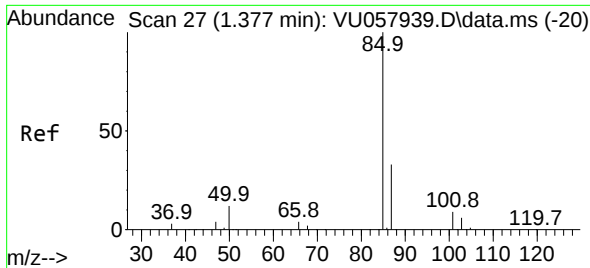
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 Quant Title : VOC Analysis
 QLast Update : Fri Feb 23 23:00:11 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	158890	50.257	ug/L	98
29) Cyclohexane	5.380	56	108318	30.761	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	140266	43.504	ug/L	99
31) Carbon tetrachloride	5.515	117	111094	40.124	ug/L	99
33) Benzene	5.766	78	396847	47.555	ug/L	100
34) Trichloroethene	6.534	95	99649	46.454	ug/L	98
35) Methylcyclohexane	6.756	83	102568	29.430	ug/L	99
37) 1,2-Dichloropropane	6.782	63	115238	48.940	ug/L	100
38) Bromodichloromethane	7.097	83	143698	50.820	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	165461	45.981	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	287243	96.910	ug/L	98
42) Toluene	7.962	91	402837	46.644	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	153609	45.999	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	104410	49.904	ug/L	99
46) Tetrachloroethene	8.547	164	61825	41.880	ug/L	98
48) 2-Hexanone	8.676	43	188045	77.727	ug/L	100
49) Dibromochloromethane	8.804	129	105610	50.686	ug/L	99
50) 1,2-Dibromoethane	8.917	107	110864	50.326	ug/L	98
51) Chlorobenzene	9.441	112	254631	46.365	ug/L	99
52) Ethylbenzene	9.563	91	421273	43.502	ug/L	99
53) m,p-Xylene	9.688	106	156070	44.316	ug/L	97
54) o-Xylene	10.094	106	160165	46.029	ug/L	97
55) Styrene	10.110	104	278347	46.648	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	165470	46.427	ug/L	99
59) Bromoform	10.283	173	74077	51.239	ug/L #	99
60) 1,2,3-Trichloropropane	10.817	75	133759	49.022	ug/L	99
61) Isopropylbenzene	10.479	105	386816	42.028	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	327714	41.328	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	339228	42.575	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	182112	44.751	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	187573	45.246	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	185177	46.253	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	31308	48.327	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	118965	43.464	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	105500	47.873	ug/L	99
71) Naphthalene	14.084	128	292074	49.909	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	99033	48.926	ug/L	99

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

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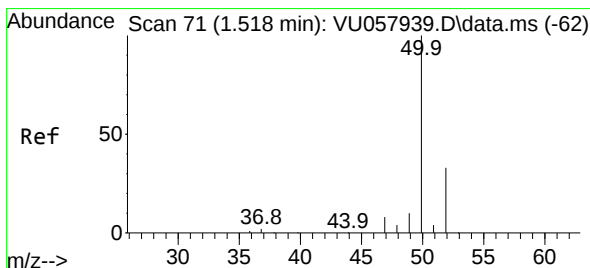
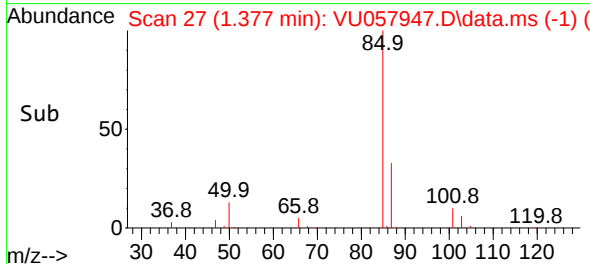
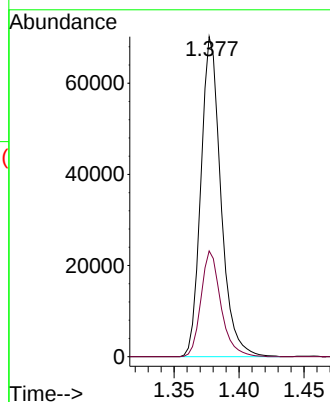
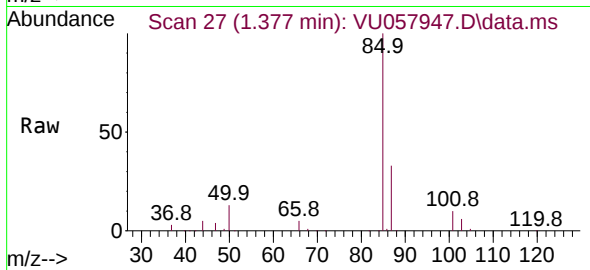




#2
 Dichlorodifluoromethane
 Concen: 27.795 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU057947.D
 Acq: 23 Feb 2024 15:55

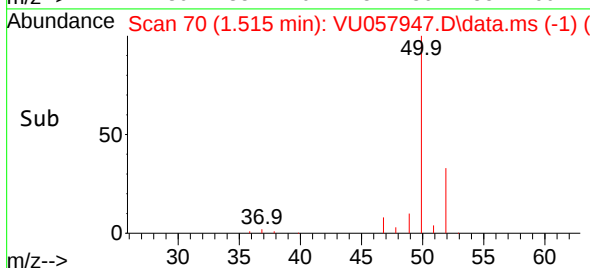
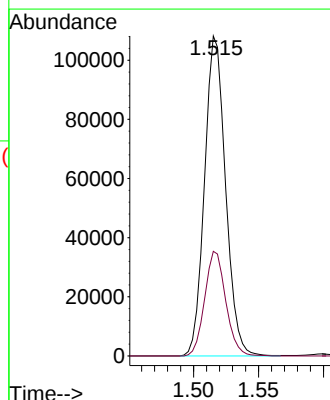
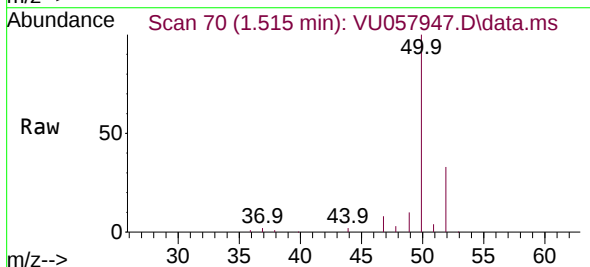
Instrument :
 MSVOA_U
 ClientSampleId :

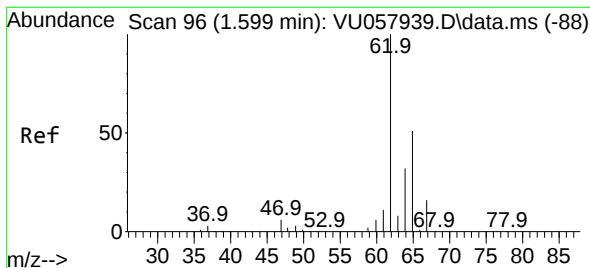
Tgt Ion: 85 Resp: 75292
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.2 39.2



#3
 Chloromethane
 Concen: 44.286 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU057947.D
 Acq: 23 Feb 2024 15:55

Tgt Ion: 50 Resp: 121977
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.8 44.2





#5

Vinyl chloride

Concen: 39.515 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Instrument :

MSVOA_U

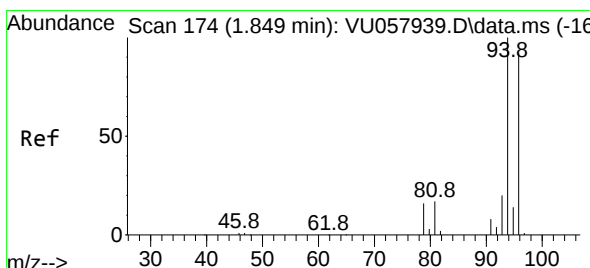
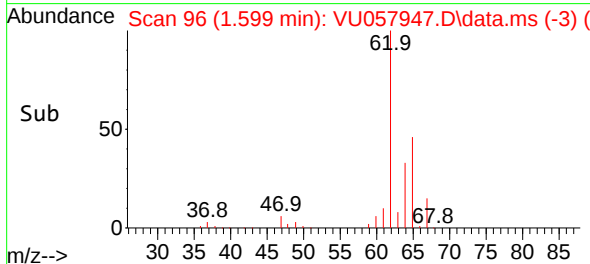
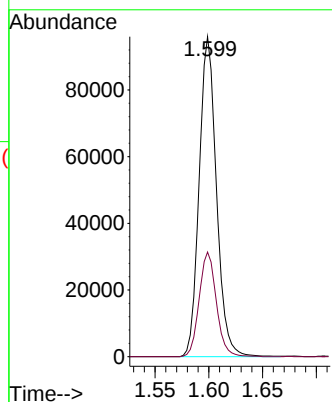
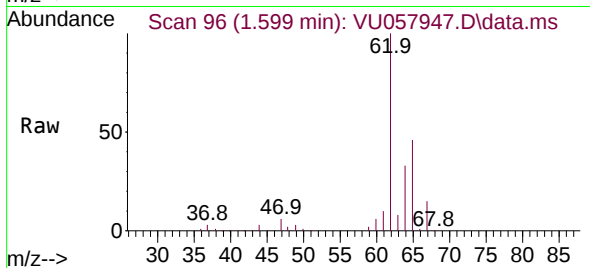
ClientSampleId :

Tgt Ion: 62 Resp: 107473

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



#6

Bromomethane

Concen: 66.027 ug/L

RT: 1.850 min Scan# 174

Delta R.T. 0.000 min

Lab File: VU057947.D

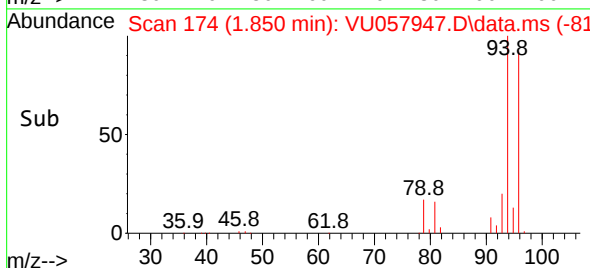
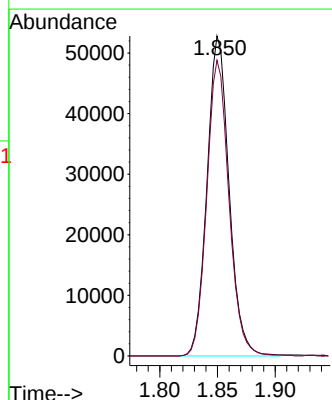
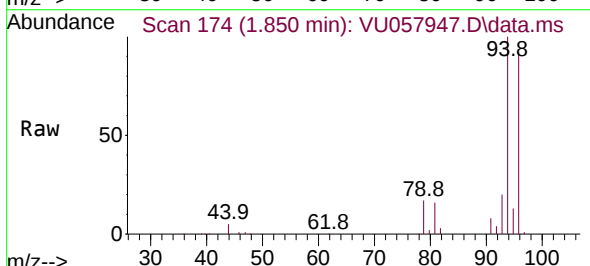
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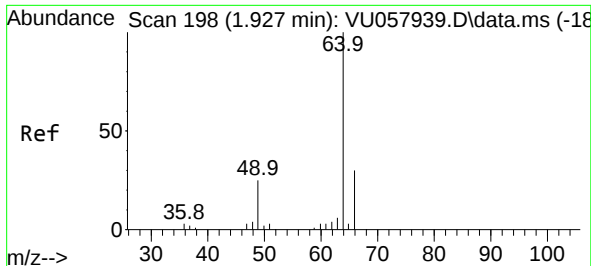
Tgt Ion: 94 Resp: 70117

Ion Ratio Lower Upper

94 100

96 92.4 65.5 121.7

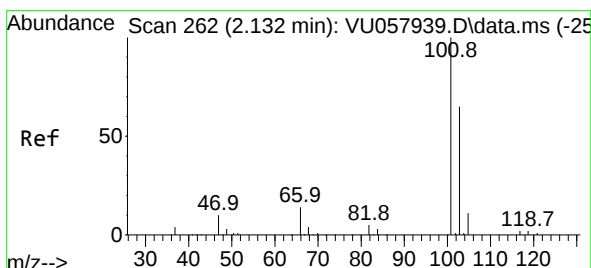
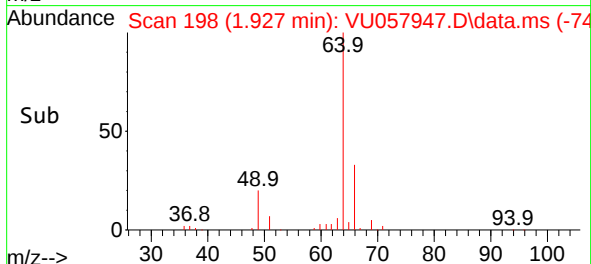
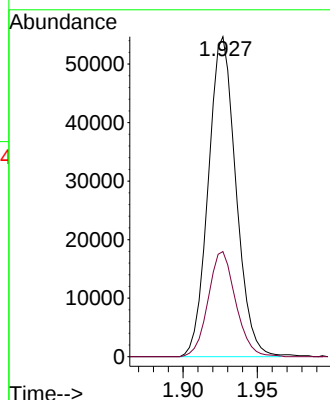
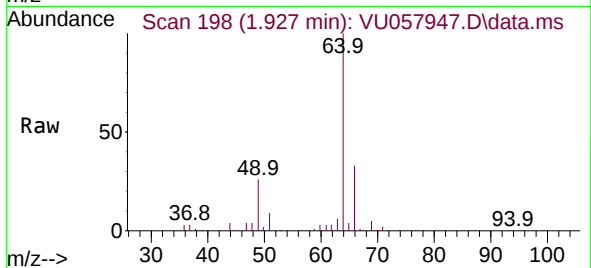




#8
Chloroethane
Concen: 44.494 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

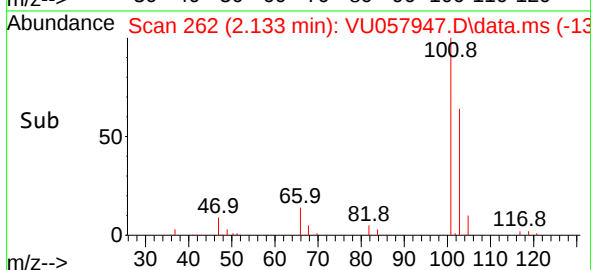
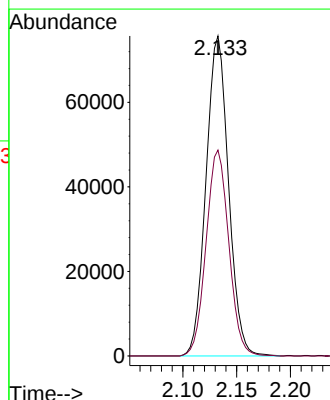
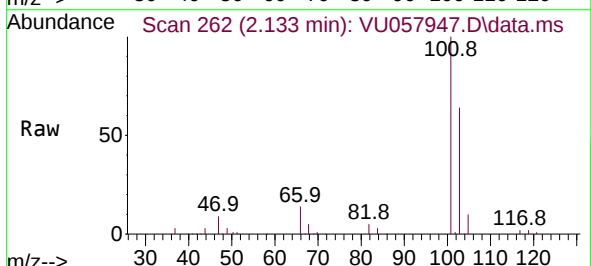
Instrument :
MSVOA_U
ClientSampleId :

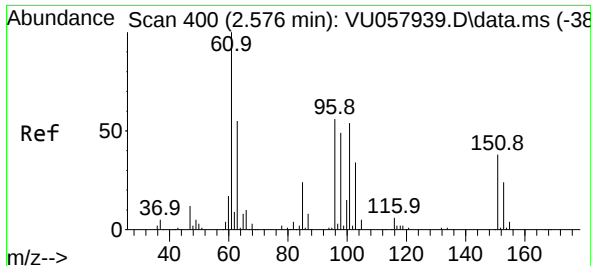
Tgt Ion: 64 Resp: 70773
Ion Ratio Lower Upper
64 100
66 32.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 33.146 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Tgt Ion:101 Resp: 110312
Ion Ratio Lower Upper
101 100
103 64.9 51.7 77.5





#10

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

Concen: 31.091 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU057947.D

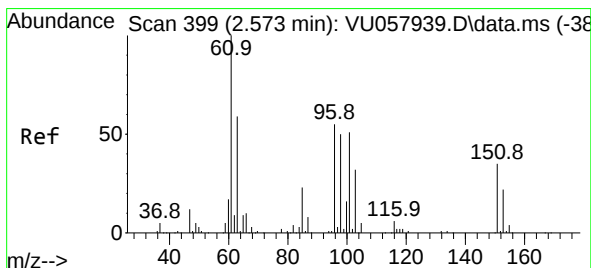
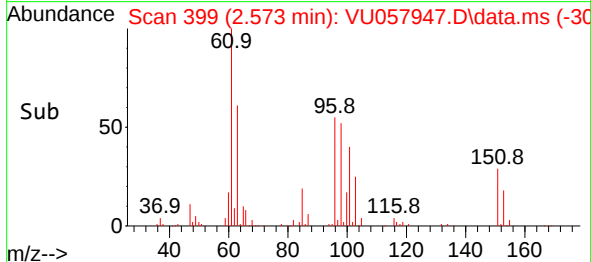
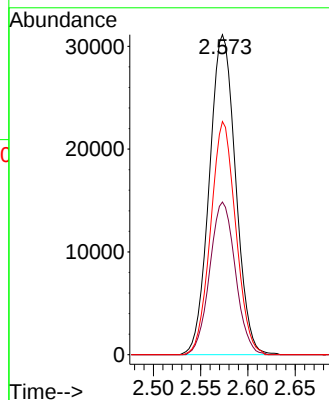
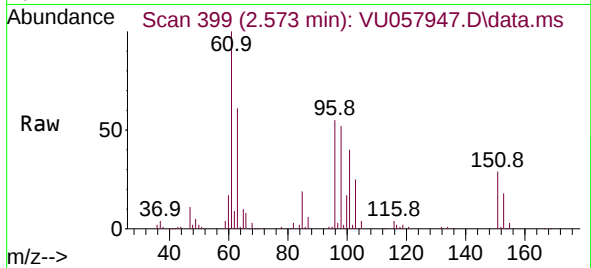
Acq: 23 Feb 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	60137
Ion Ratio	Lower	Upper	
101	100		
85	46.6	35.7	53.5
151	69.7	55.8	83.6



#12

1,1-Dichloroethene

Concen: 40.170 ug/L

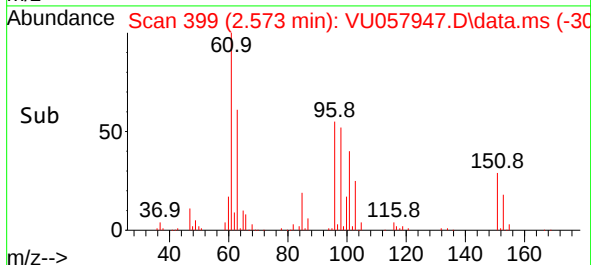
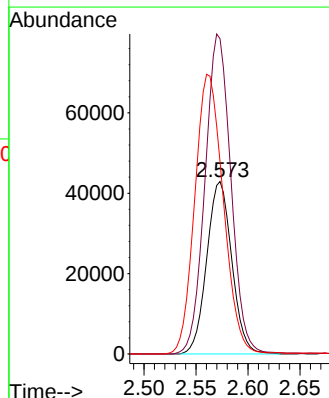
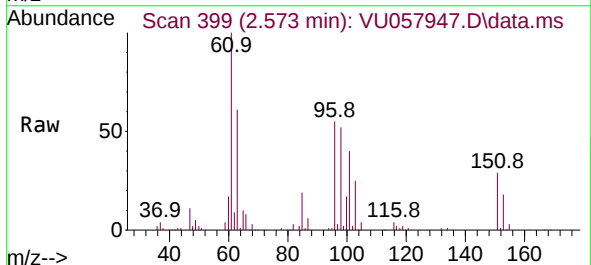
RT: 2.573 min Scan# 399

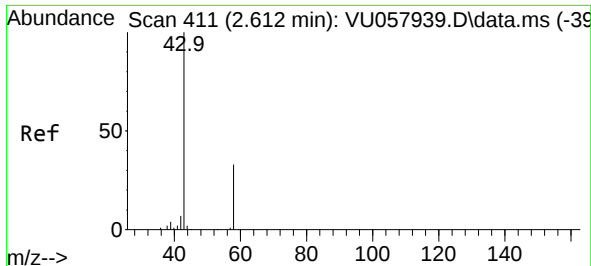
Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Tgt Ion:	96	Resp:	71867
Ion Ratio	Lower	Upper	
96	100		
61	182.8	126.8	235.6
63	111.4	86.5	160.7





#13

Acetone

Concen: 76.197 ug/L

RT: 2.608 min Scan# 411

Delta R.T. -0.003 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Instrument :

MSVOA_U

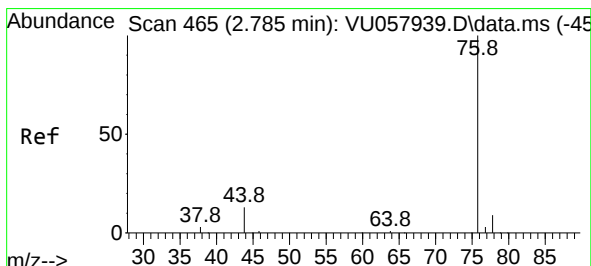
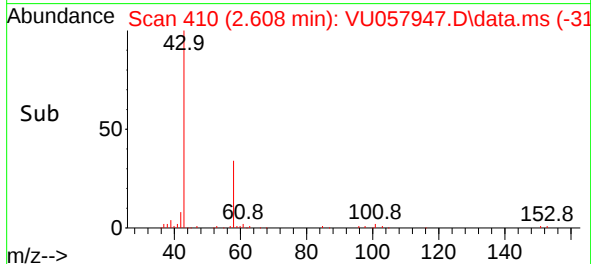
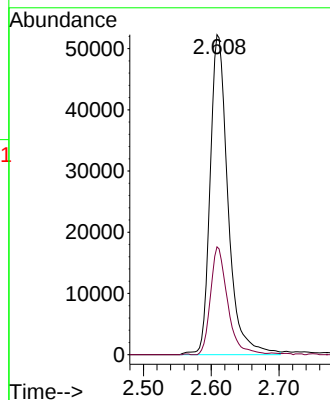
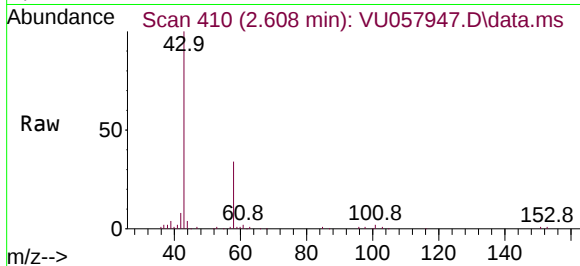
ClientSampleId :

Tgt Ion: 43 Resp: 95893

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.2



#14

Carbon disulfide

Concen: 41.142 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU057947.D

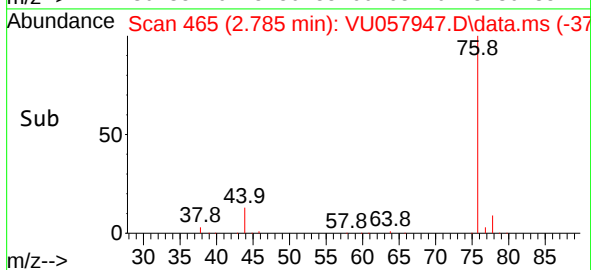
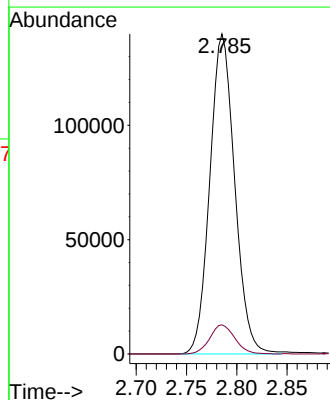
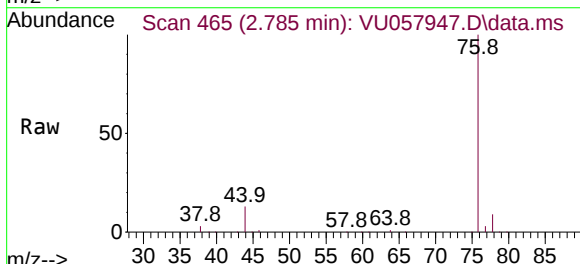
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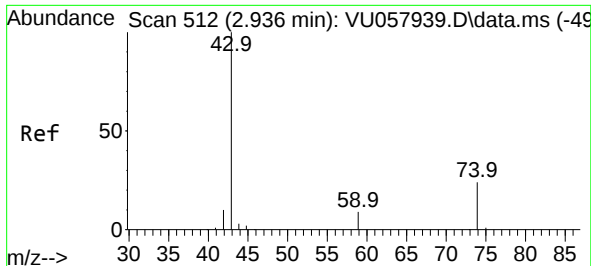
Tgt Ion: 76 Resp: 240884

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

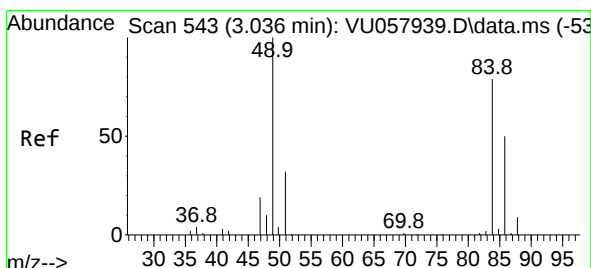
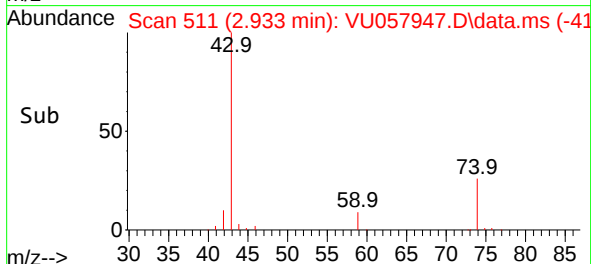
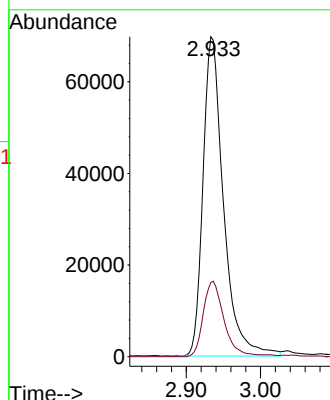
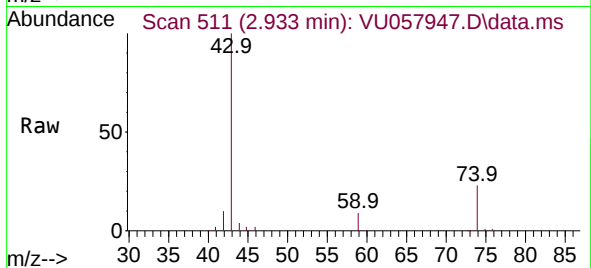




#15
Methyl Acetate
Concen: 65.214 ug/L
RT: 2.933 min Scan# 511
Delta R.T. -0.003 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

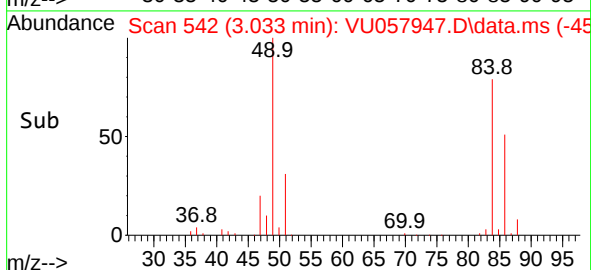
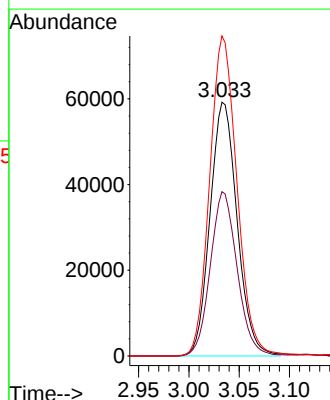
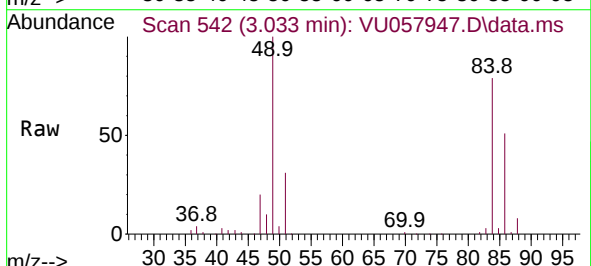
Instrument :
MSVOA_U
ClientSampleId :

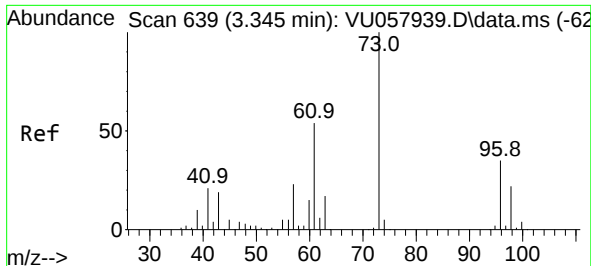
Tgt Ion: 43 Resp: 133613
Ion Ratio Lower Upper
43 100
74 23.9 18.6 27.8



#16
Methylene chloride
Concen: 47.662 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.003 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Tgt Ion: 84 Resp: 111142
Ion Ratio Lower Upper
84 100
86 64.8 45.1 83.7
49 126.1 89.7 166.5



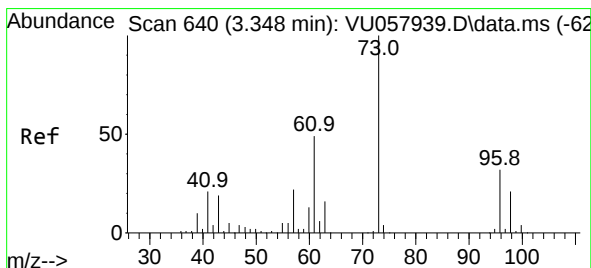
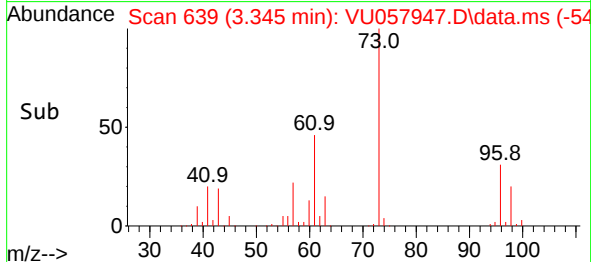
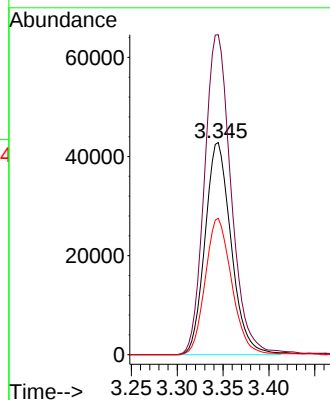
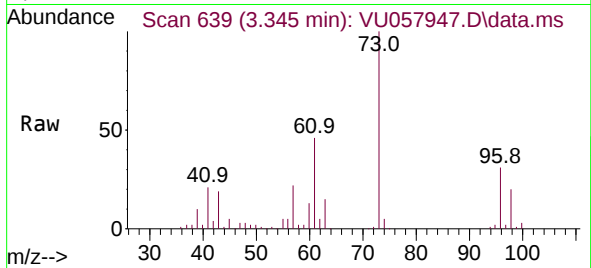


#17
 trans-1,2-Dichloroethene
 Concen: 45.711 ug/L
 RT: 3.345 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VU057947.D
 Acq: 23 Feb 2024 15:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 96 Resp: 84845

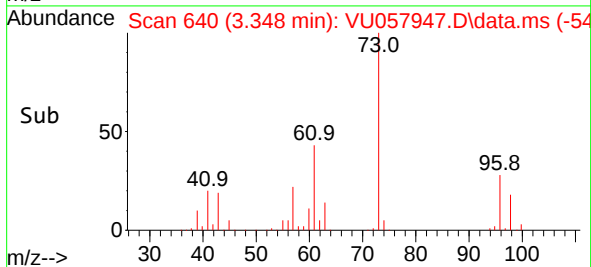
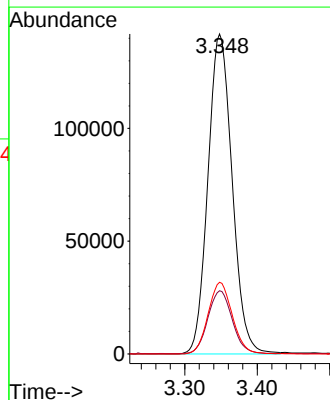
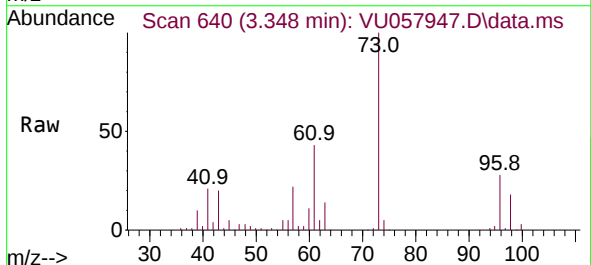
Ion	Ratio	Lower	Upper
96	100		
61	150.8	106.3	197.3
98	64.2	44.4	82.5

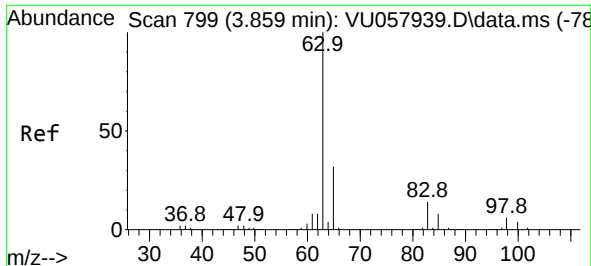


#18
 Methyl tert-butyl Ether
 Concen: 50.981 ug/L
 RT: 3.348 min Scan# 640
 Delta R.T. 0.000 min
 Lab File: VU057947.D
 Acq: 23 Feb 2024 15:55

Tgt Ion: 73 Resp: 329449

Ion	Ratio	Lower	Upper
73	100		
43	19.9	16.0	24.0
57	22.3	17.8	26.6





#19

1,1-Dichloroethane

Concen: 49.110 ug/L

RT: 3.856 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :

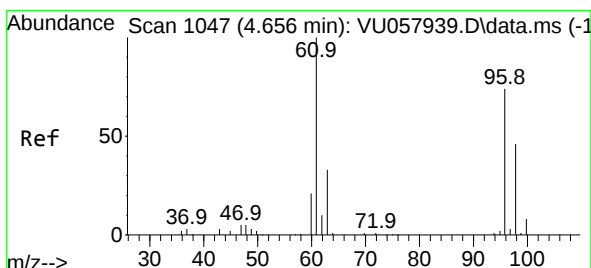
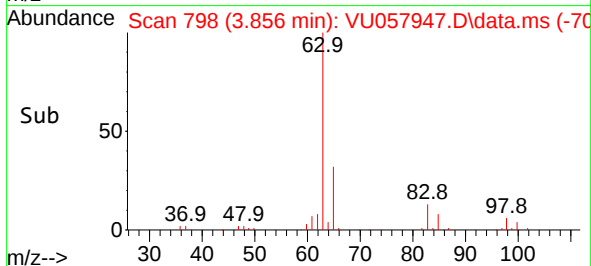
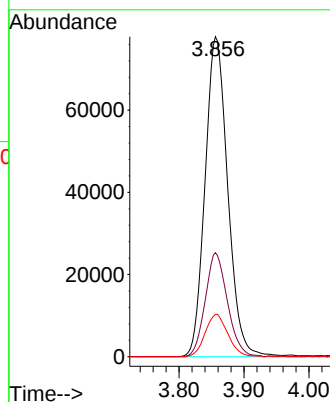
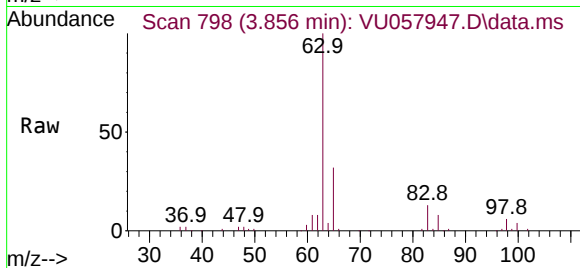
Tgt Ion: 63 Resp: 188985

Ion Ratio Lower Upper

63 100

65 32.5 21.7 40.3

83 13.2 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 49.177 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

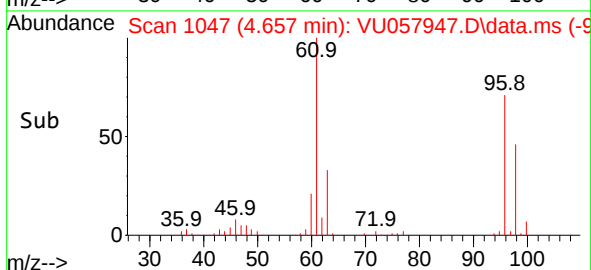
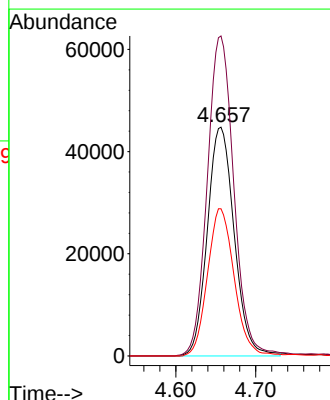
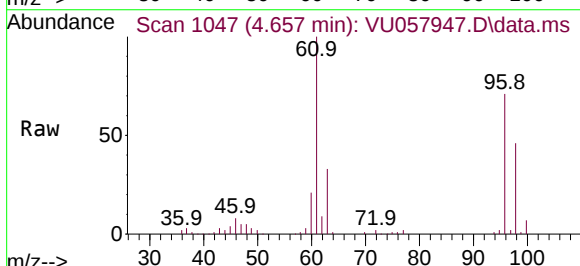
Tgt Ion: 96 Resp: 104712

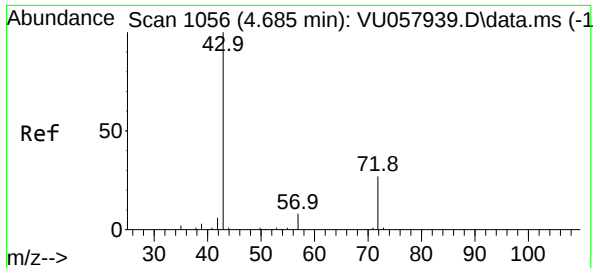
Ion Ratio Lower Upper

96 100

61 139.9 96.7 179.7

98 64.3 44.3 82.3

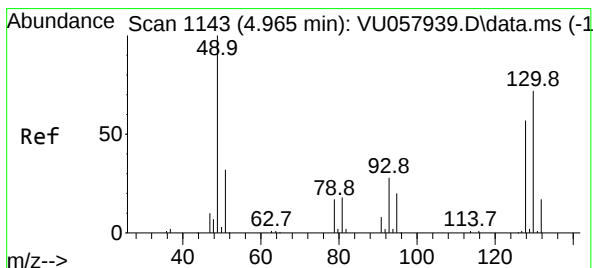
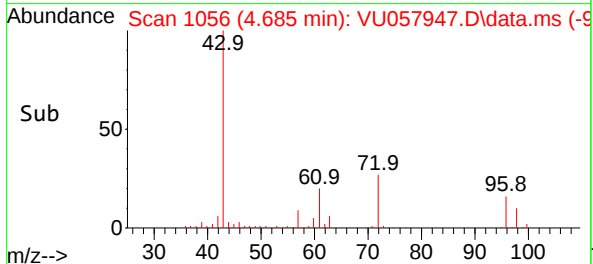
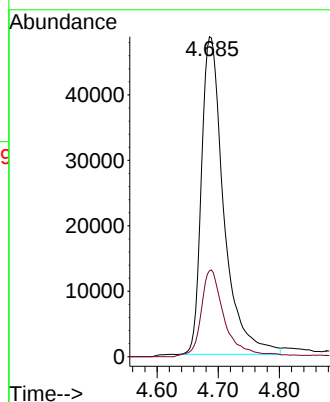
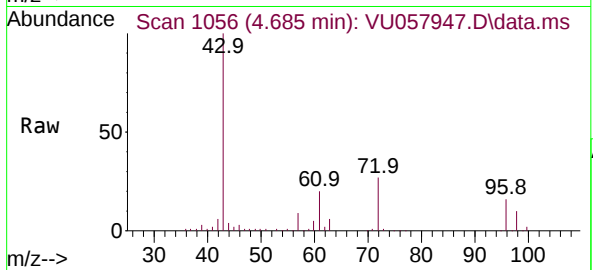




#22
2-Butanone
Concen: 80.783 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

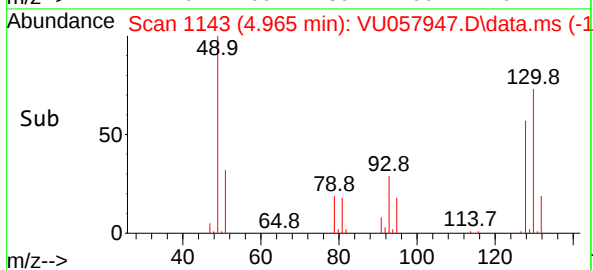
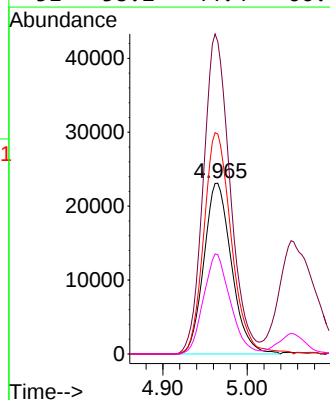
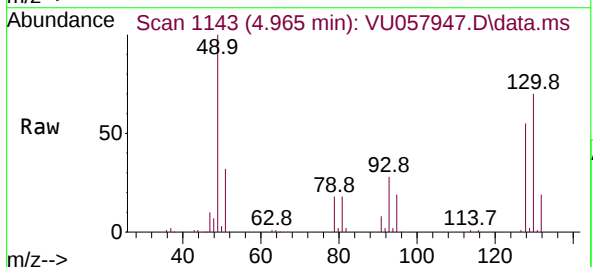
Instrument :
MSVOA_U
ClientSampleId :

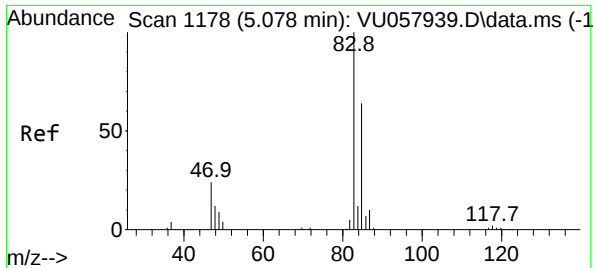
Tgt Ion: 43 Resp: 123171
Ion Ratio Lower Upper
43 100
72 28.1 13.8 41.3



#23
Bromochloromethane
Concen: 50.877 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Tgt Ion:128 Resp: 52635
Ion Ratio Lower Upper
128 100
49 183.0 124.0 230.4
130 128.9 87.8 163.0
51 58.2 44.4 66.6





#25

Chloroform

Concen: 50.442 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Instrument :

MSVOA_U

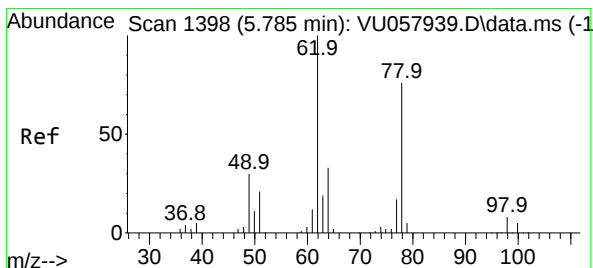
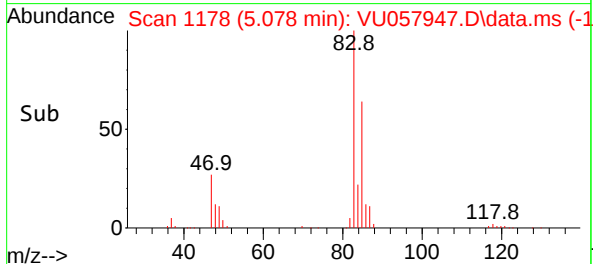
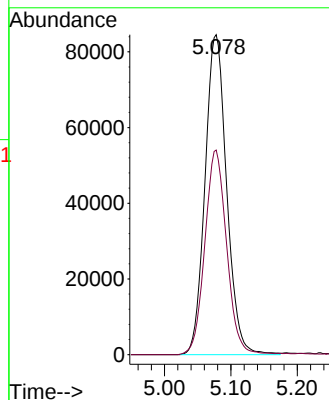
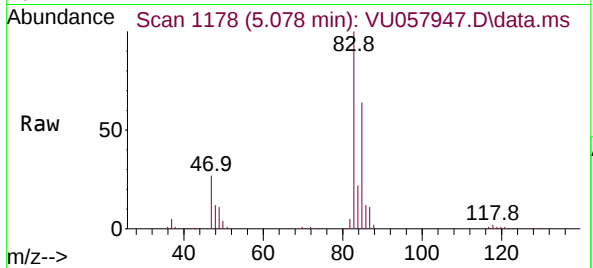
ClientSampleId :

Tgt Ion: 83 Resp: 191659

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.6



#27

1,2-Dichloroethane

Concen: 50.257 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU057947.D

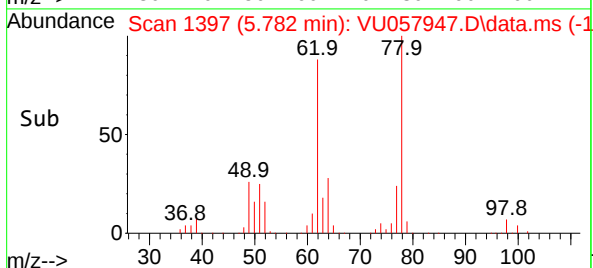
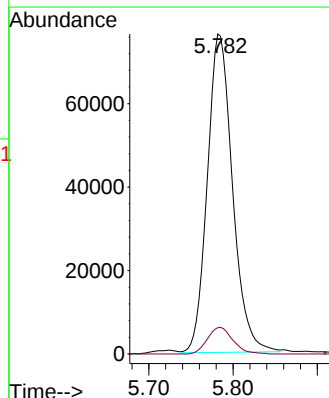
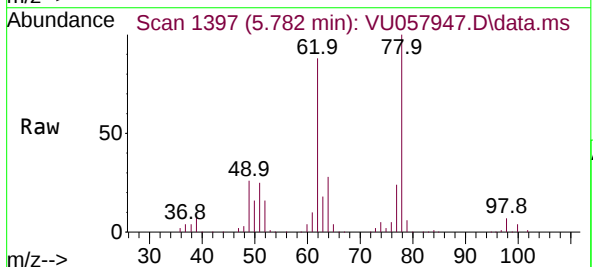
Acq: 23 Feb 2024 15:55

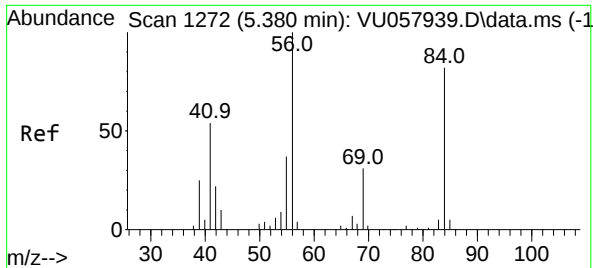
Tgt Ion: 62 Resp: 158890

Ion Ratio Lower Upper

62 100

98 8.2 7.1 10.7

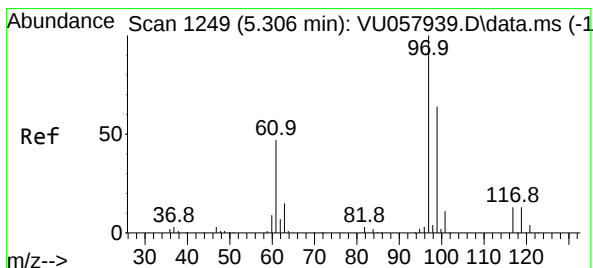
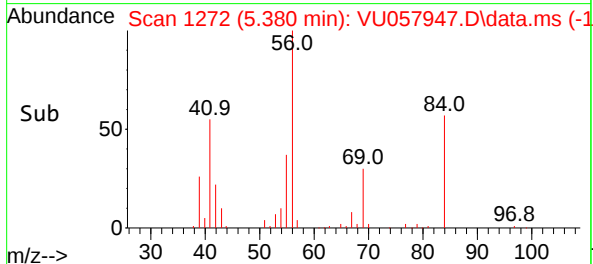
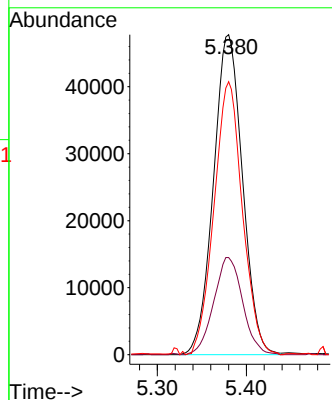
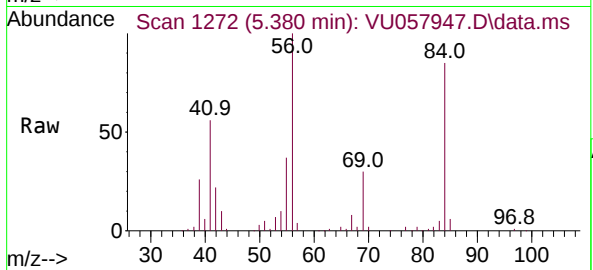




#29
Cyclohexane
Concen: 30.761 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

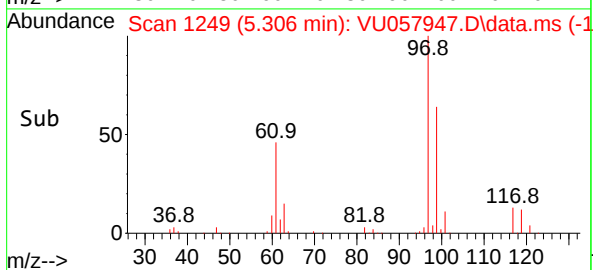
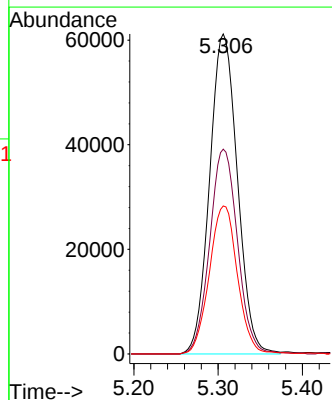
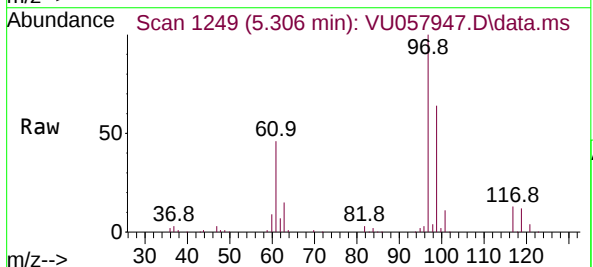
Instrument :
MSVOA_U
ClientSampleId :

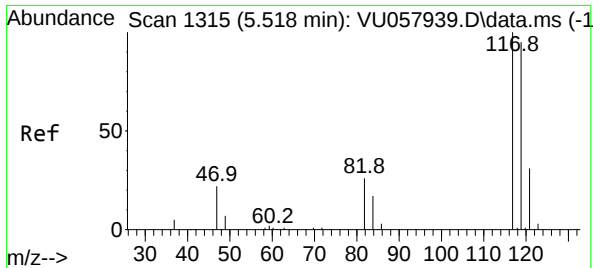
Tgt Ion: 56 Resp: 108318
Ion Ratio Lower Upper
56 100
69 30.1 24.6 36.8
84 83.3 66.9 100.3



#30
1,1,1-Trichloroethane
Concen: 43.504 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Tgt Ion: 97 Resp: 140266
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 46.7 36.8 55.2

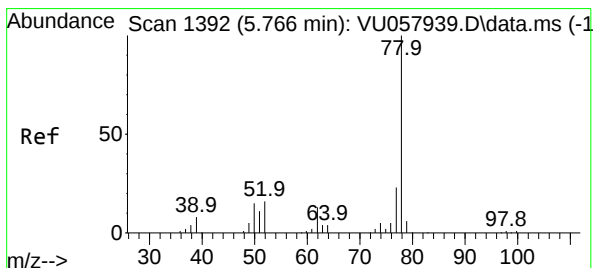
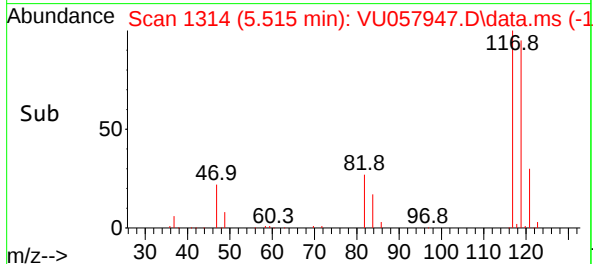
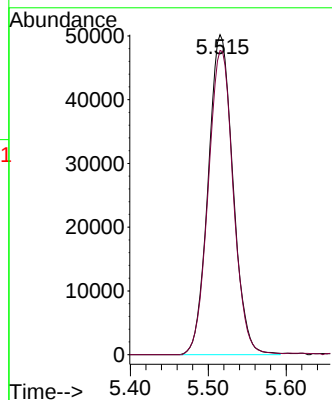
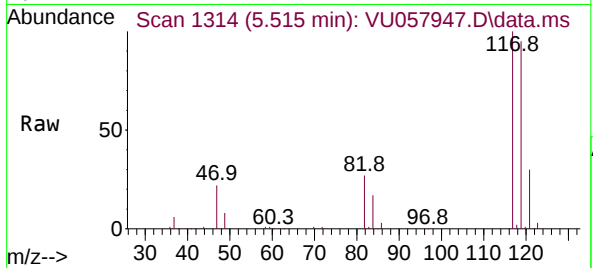




#31
Carbon tetrachloride
Concen: 40.124 ug/L
RT: 5.515 min Scan# 111094
Delta R.T. -0.003 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

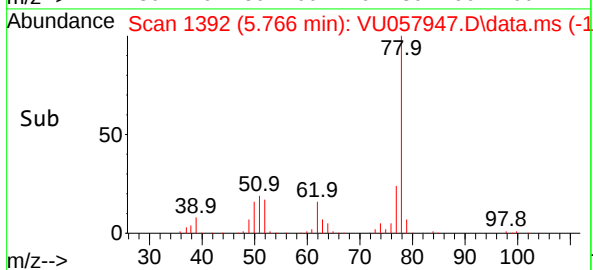
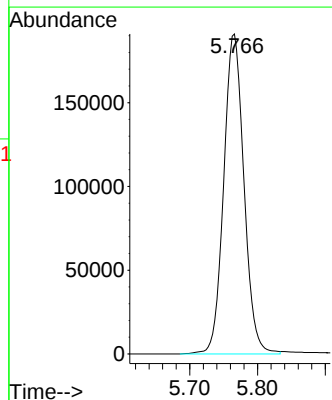
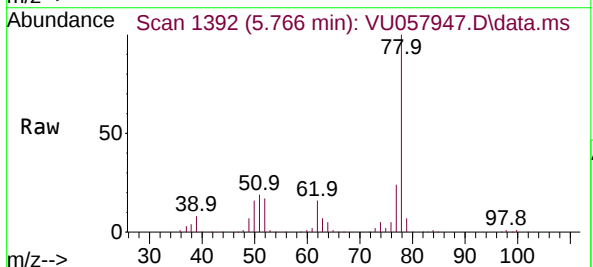
Instrument :
MSVOA_U
ClientSampleId :

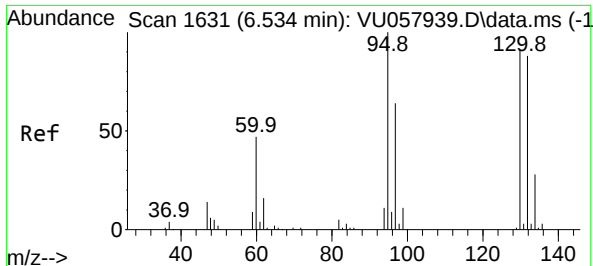
Tgt Ion:117 Resp: 111094
Ion Ratio Lower Upper
117 100
119 96.1 75.9 113.9



#33
Benzene
Concen: 47.555 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Tgt Ion: 78 Resp: 396847

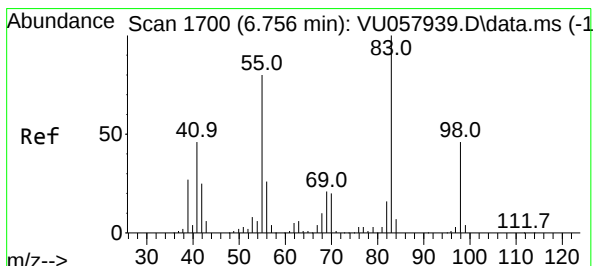
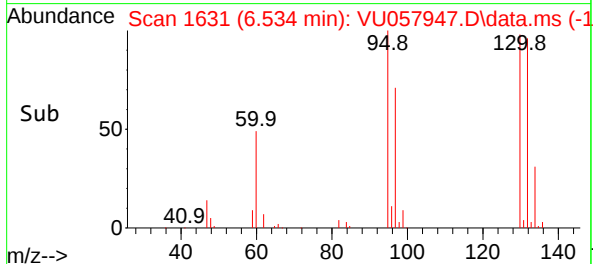
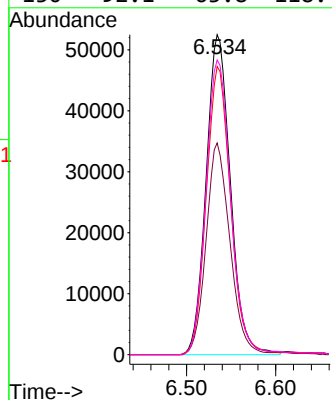
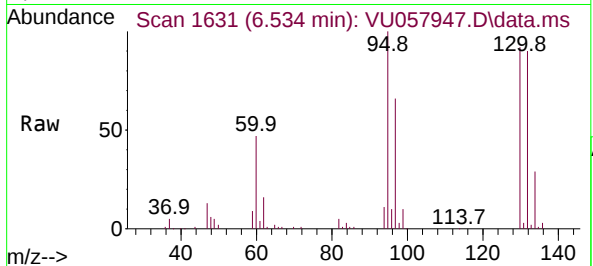




#34
Trichloroethene
Concen: 46.454 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

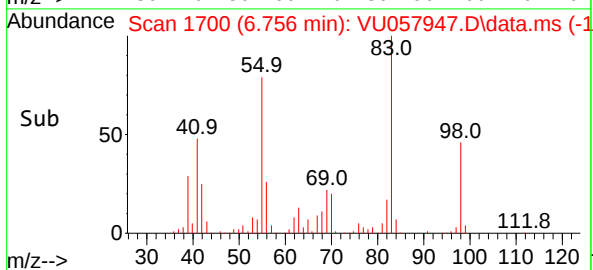
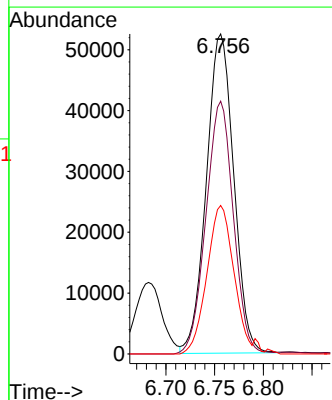
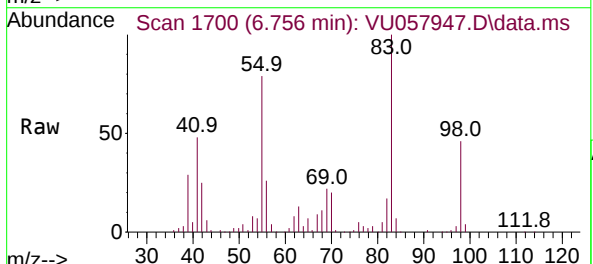
Instrument :
MSVOA_U
ClientSampleId :

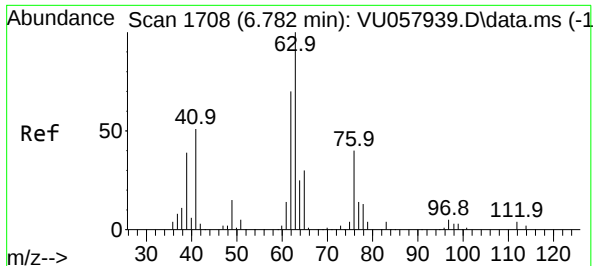
Tgt Ion: 95 Resp: 99649
Ion Ratio Lower Upper
95 100
97 66.2 44.2 82.2
132 90.0 61.4 114.0
130 92.1 63.8 118.4



#35
Methylcyclohexane
Concen: 29.430 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Tgt Ion: 83 Resp: 102568
Ion Ratio Lower Upper
83 100
55 79.3 62.7 94.1
98 45.6 36.3 54.5





#37

1,2-Dichloropropane

Concen: 48.940 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Instrument :

MSVOA_U

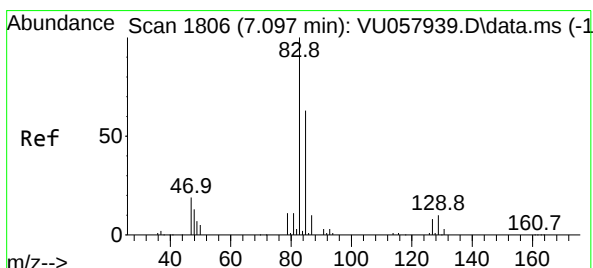
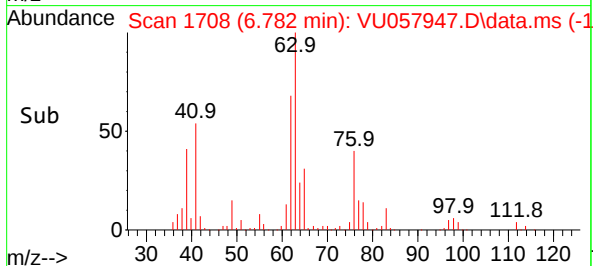
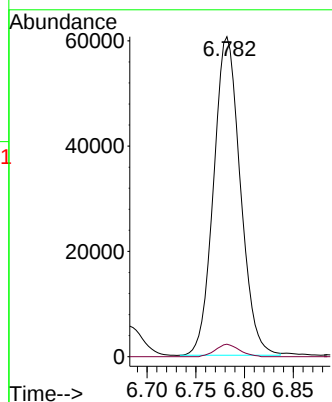
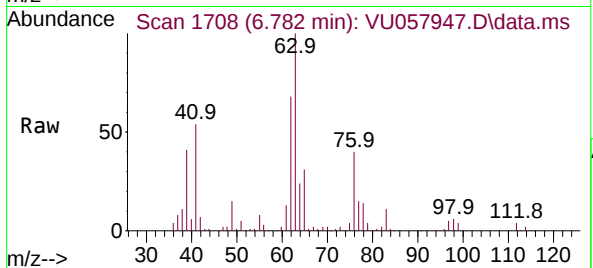
ClientSampleId :

Tgt Ion: 63 Resp: 115238

Ion Ratio Lower Upper

63 100

112 3.5 2.9 4.3



#38

Bromodichloromethane

Concen: 50.820 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

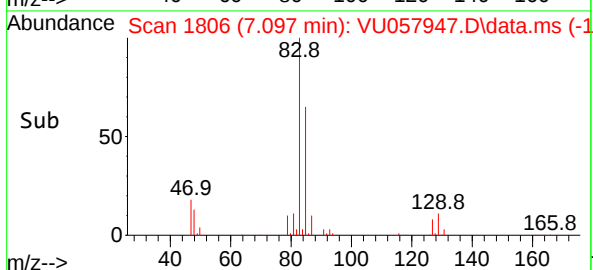
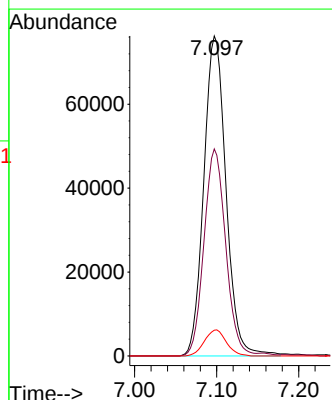
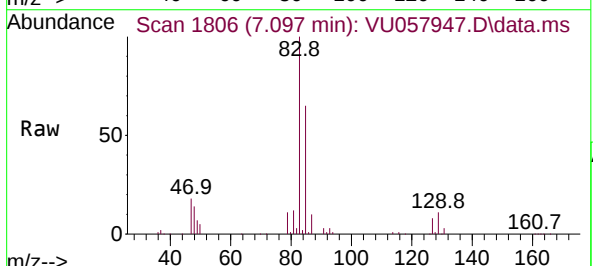
Tgt Ion: 83 Resp: 143698

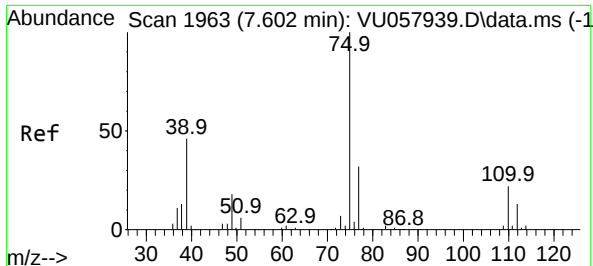
Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.4

127 8.9 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 45.981 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Instrument :

MSVOA_U

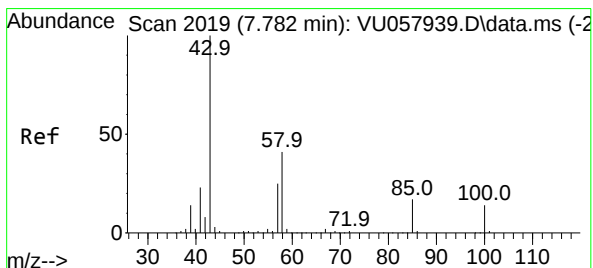
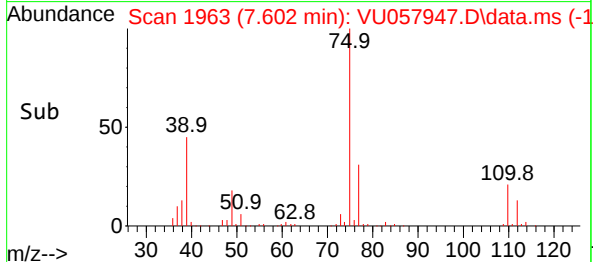
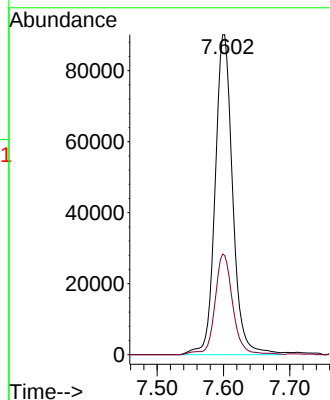
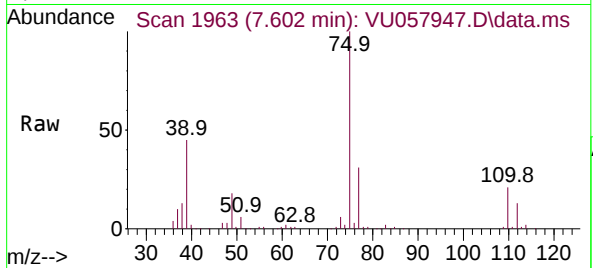
ClientSampleId :

Tgt Ion: 75 Resp: 165461

Ion Ratio Lower Upper

75 100

77 31.0 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 96.910 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

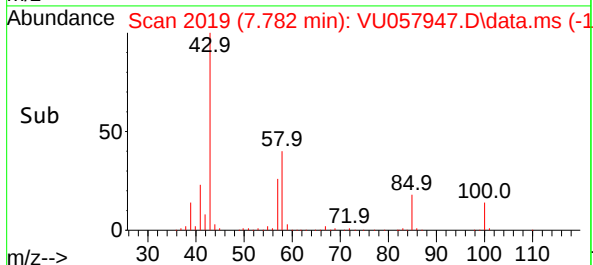
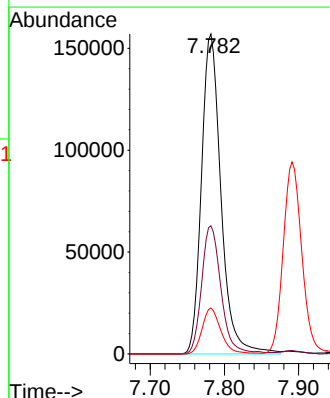
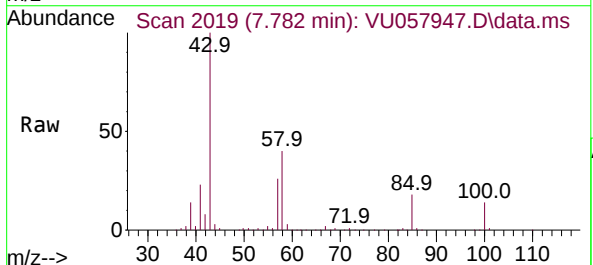
Tgt Ion: 43 Resp: 287243

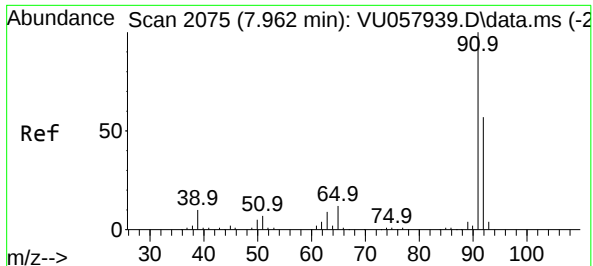
Ion Ratio Lower Upper

43 100

58 39.4 32.3 48.5

100 13.8 11.4 17.0





#42

Toluene

Concen: 46.644 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Instrument :

MSVOA_U

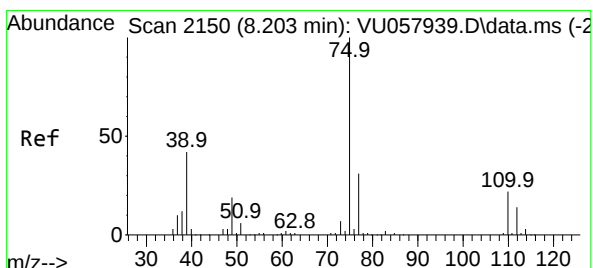
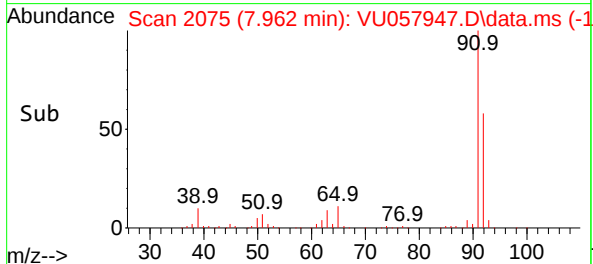
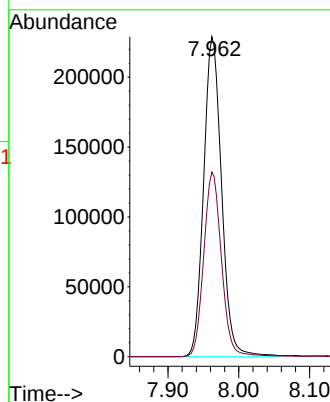
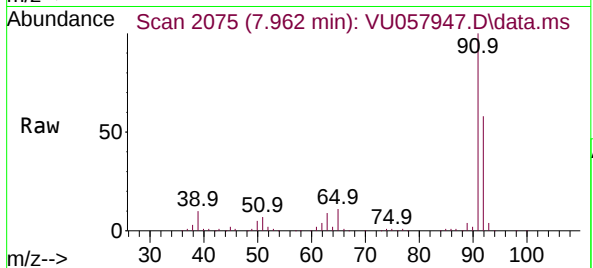
ClientSampleId :

Tgt Ion: 91 Resp: 402837

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 45.999 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057947.D

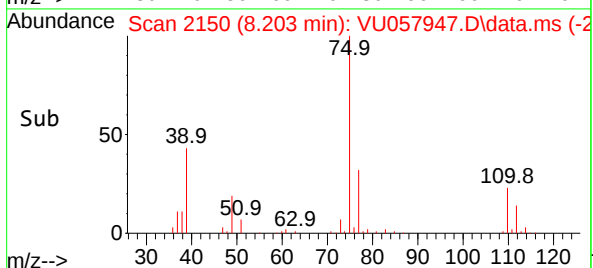
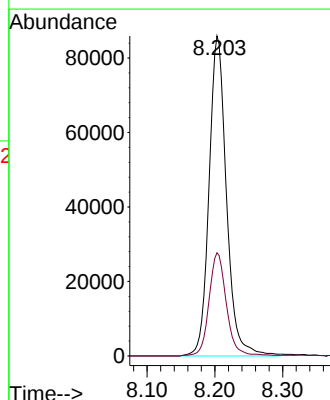
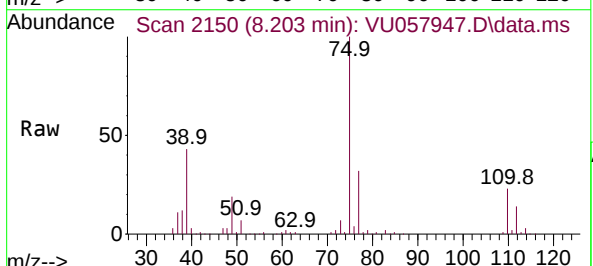
Acq: 23 Feb 2024 15:55

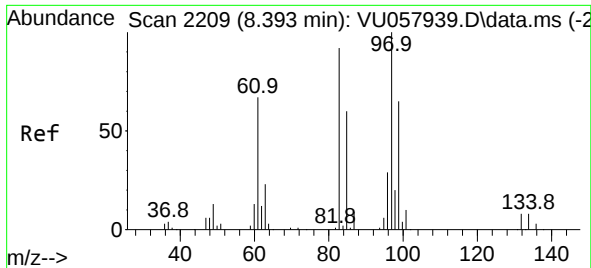
Tgt Ion: 75 Resp: 153609

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4



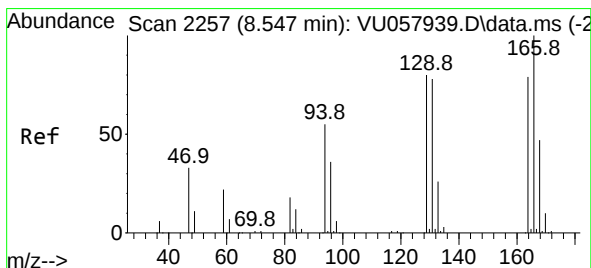
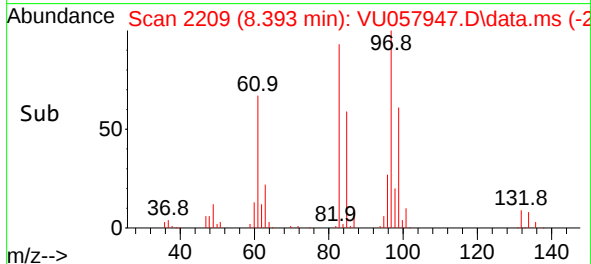
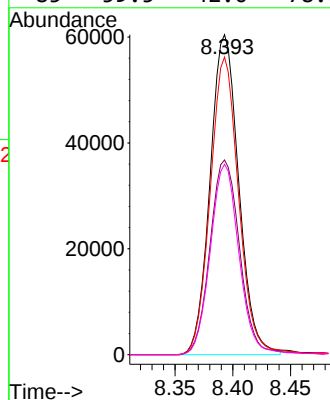
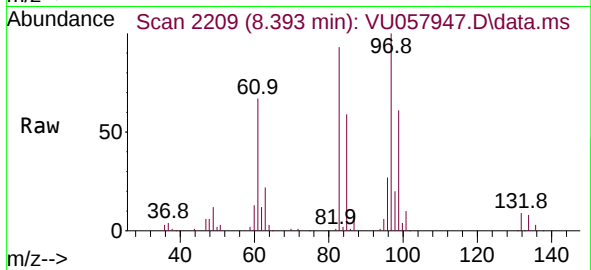


#45
1,1,2-Trichloroethane
Concen: 49.904 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 104410

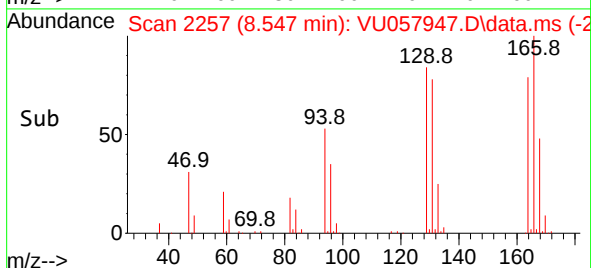
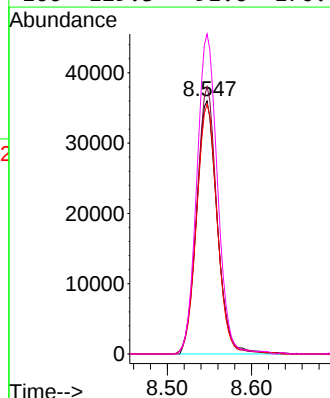
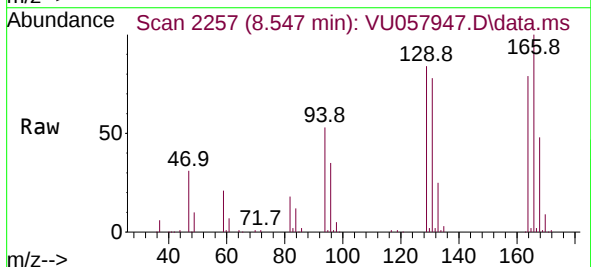
Ion	Ratio	Lower	Upper
97	100		
99	60.9	43.0	80.0
83	93.0	65.0	120.6
85	59.5	42.0	78.0

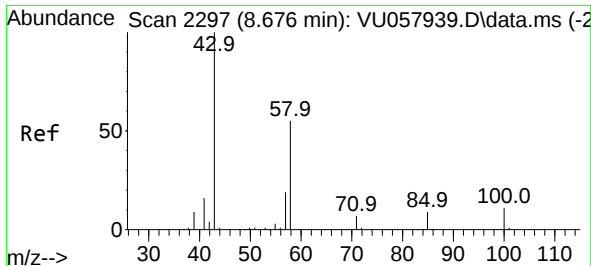


#46
Tetrachloroethene
Concen: 41.880 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Tgt Ion: 164 Resp: 61825

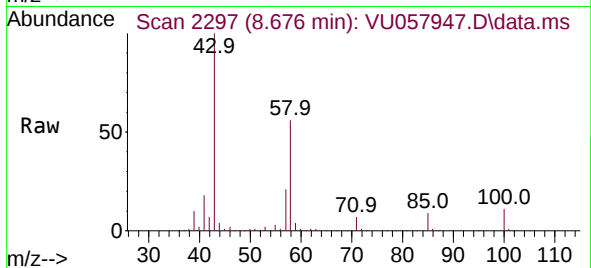
Ion	Ratio	Lower	Upper
164	100		
129	105.6	74.1	137.7
131	98.7	72.0	133.6
166	129.3	91.6	170.0



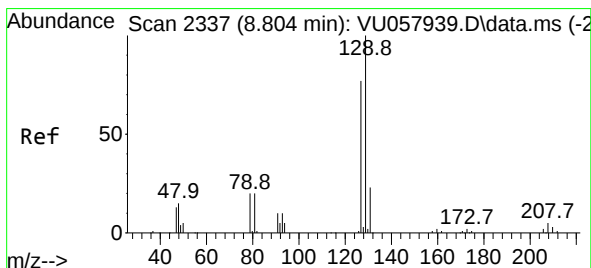
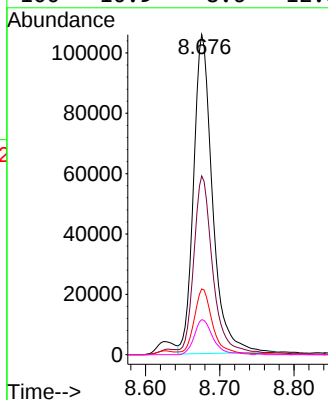
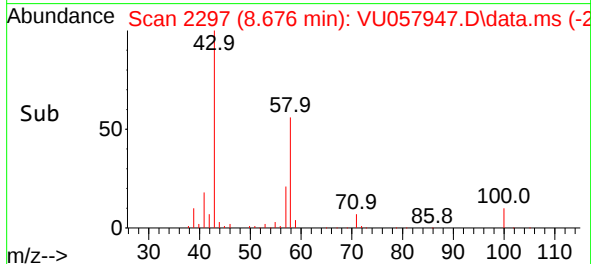


#48
2-Hexanone
Concen: 77.727 ug/L
RT: 8.676 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Instrument :
MSVOA_U
ClientSampleId :

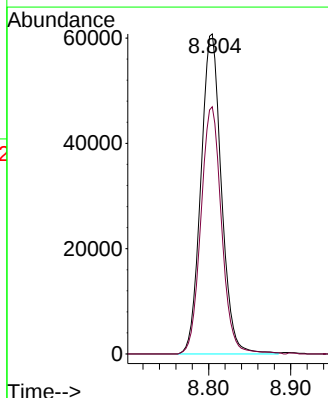
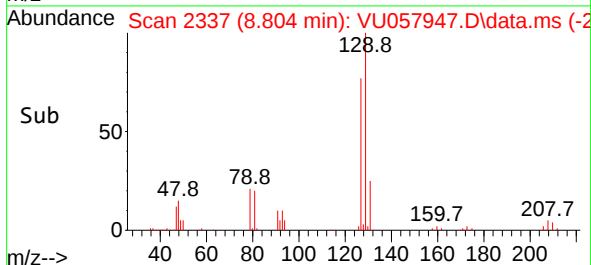
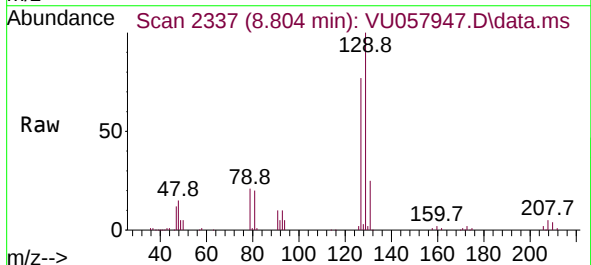


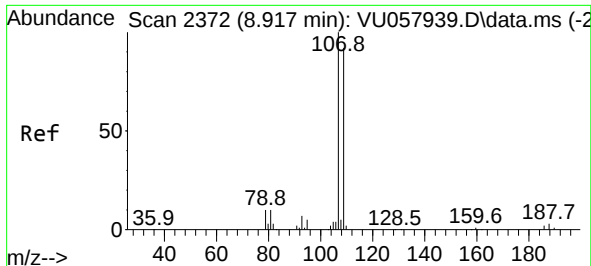
Tgt Ion: 43 Resp: 188045
Ion Ratio Lower Upper
43 100
58 55.0 43.8 65.8
57 19.6 15.5 23.3
100 10.9 8.6 12.8



#49
Dibromochloromethane
Concen: 50.686 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Tgt Ion: 129 Resp: 105610
Ion Ratio Lower Upper
129 100
127 77.3 53.3 99.1

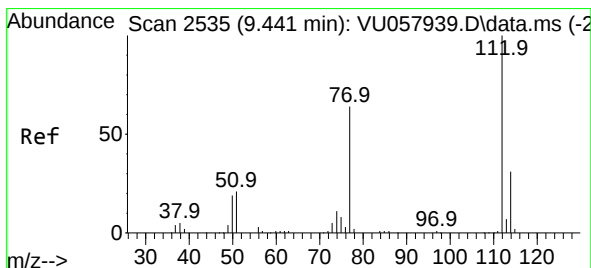
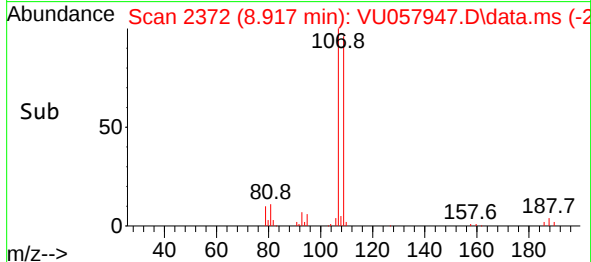
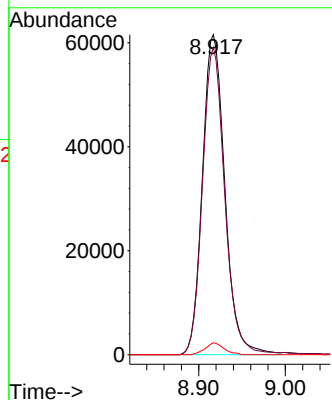
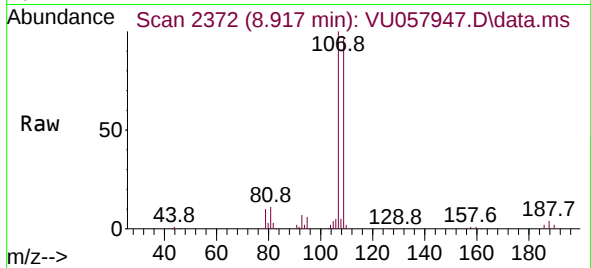




#50
1,2-Dibromoethane
Concen: 50.326 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

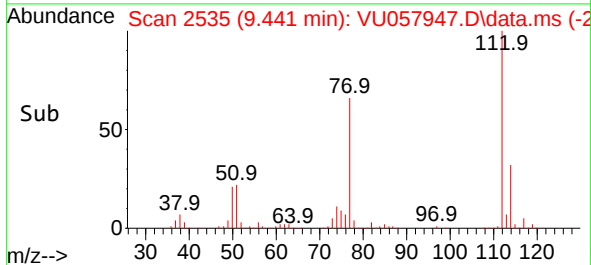
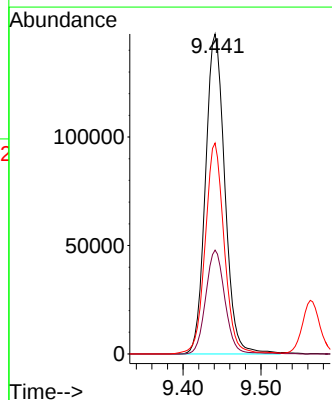
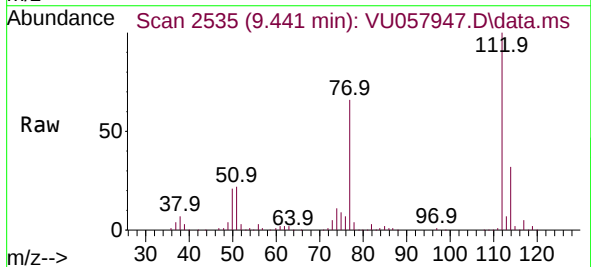
Instrument :
MSVOA_U
ClientSampleId :

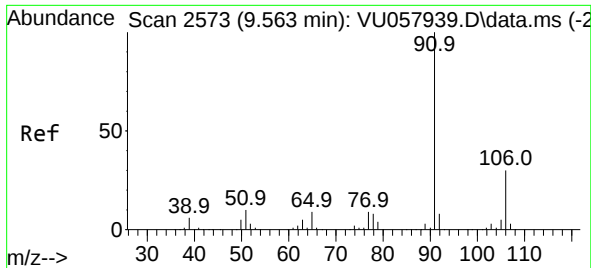
Tgt Ion:107 Resp: 110864
Ion Ratio Lower Upper
107 100
109 96.1 66.1 122.8
188 3.7 2.6 3.8



#51
Chlorobenzene
Concen: 46.365 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Tgt Ion:112 Resp: 254631
Ion Ratio Lower Upper
112 100
114 32.4 22.7 42.1
77 65.9 51.8 77.8

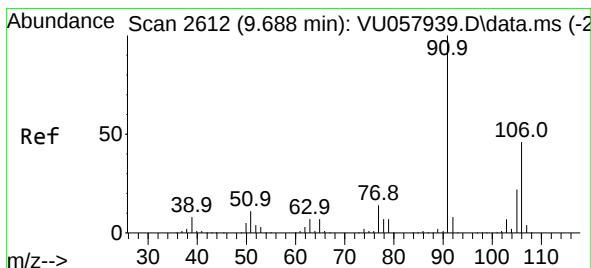
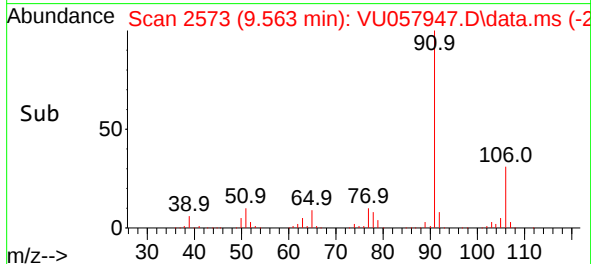
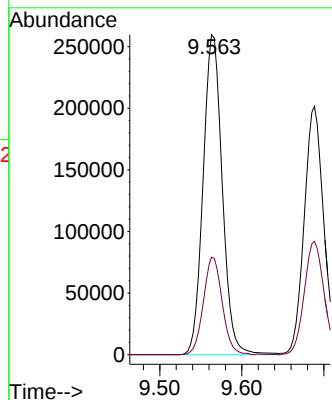
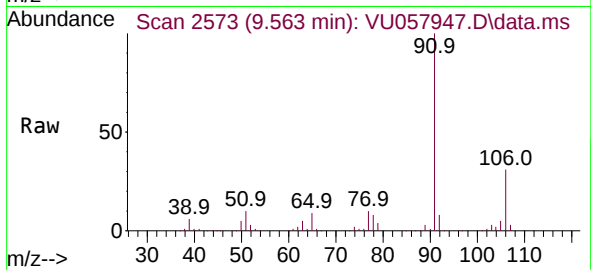




#52
Ethylbenzene
Concen: 43.502 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

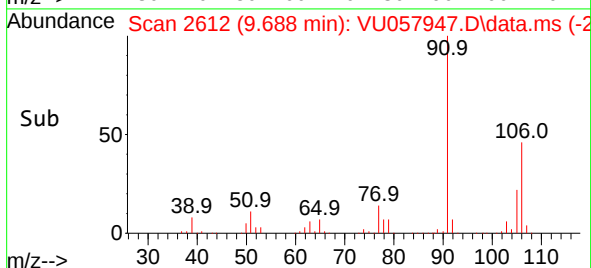
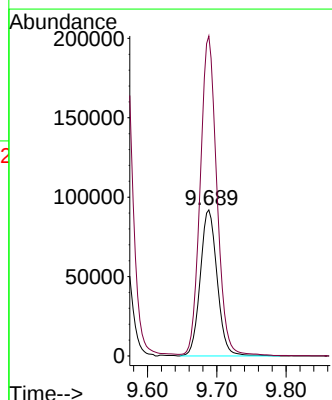
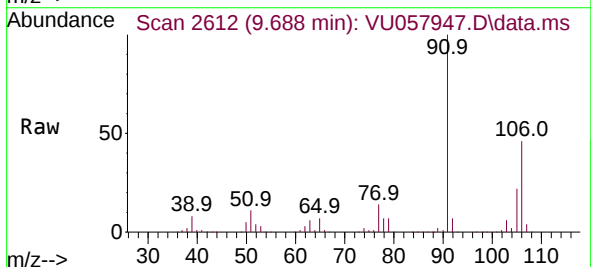
Instrument :
MSVOA_U
ClientSampleId :

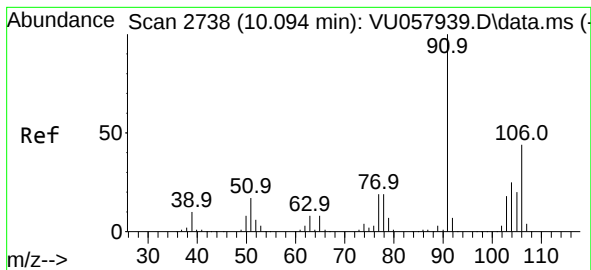
Tgt Ion: 91 Resp: 421273
Ion Ratio Lower Upper
91 100
106 30.5 21.1 39.1



#53
m,p-Xylene
Concen: 44.316 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Tgt Ion:106 Resp: 156070
Ion Ratio Lower Upper
106 100
91 219.2 150.2 279.0





#54

o-Xylene

Concen: 46.029 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Instrument :

MSVOA_U

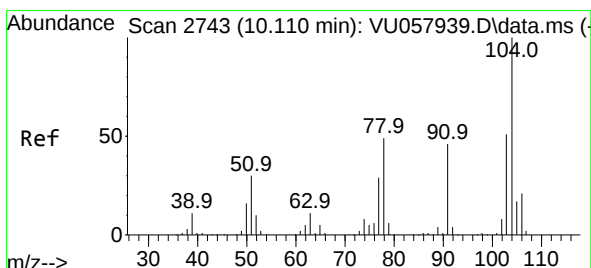
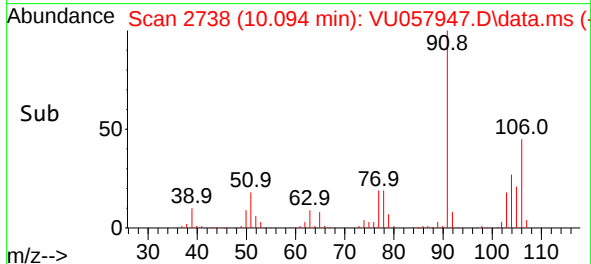
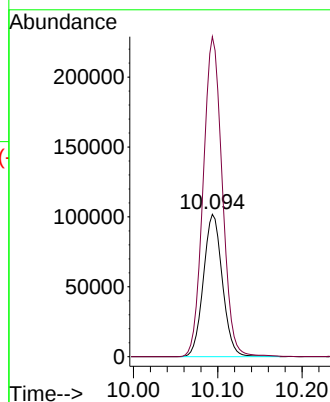
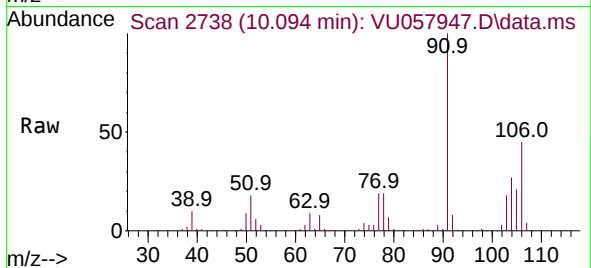
ClientSampleId :

Tgt Ion:106 Resp: 160165

Ion Ratio Lower Upper

106 100

91 224.7 161.3 299.5



#55

Styrene

Concen: 46.648 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057947.D

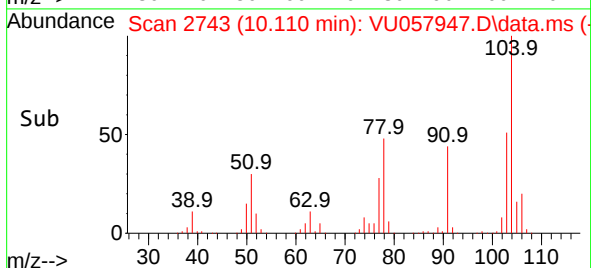
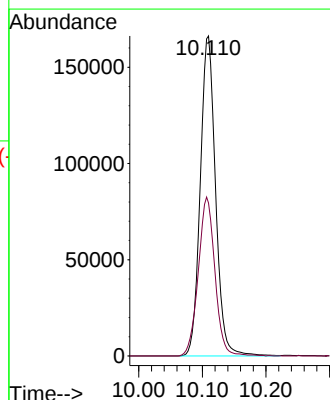
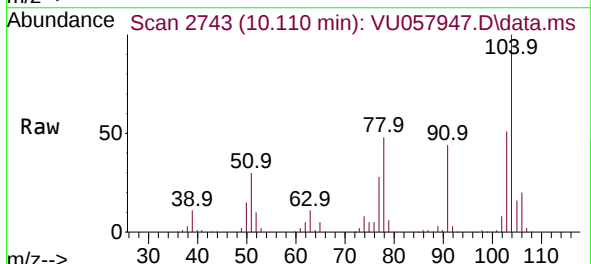
Acq: 23 Feb 2024 15:55

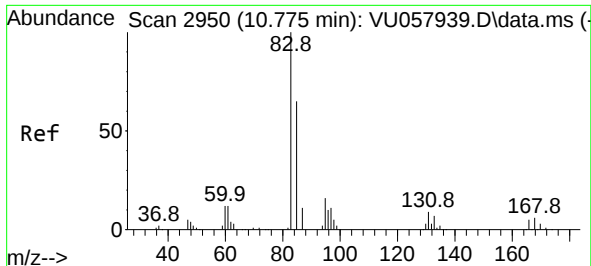
Tgt Ion:104 Resp: 278347

Ion Ratio Lower Upper

104 100

78 47.8 35.6 66.2

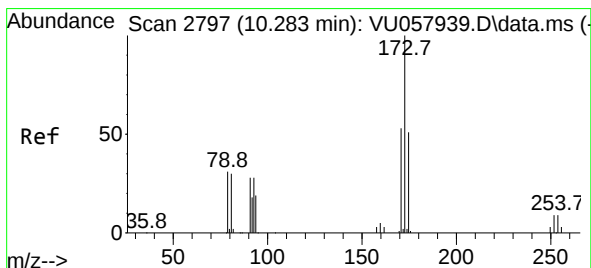
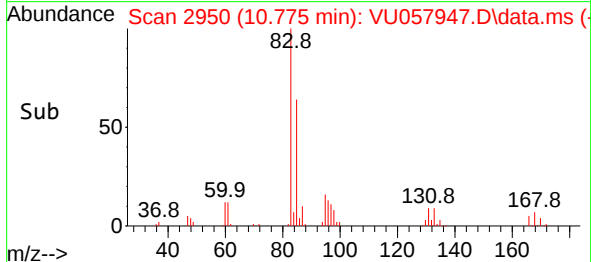
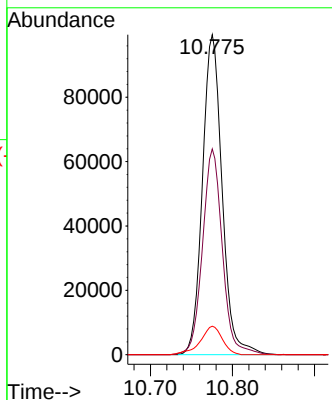
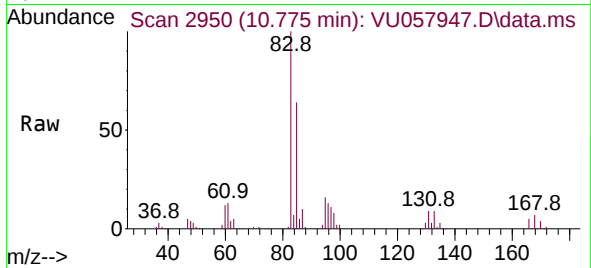




#57
1,1,2,2-Tetrachloroethane
Concen: 46.427 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

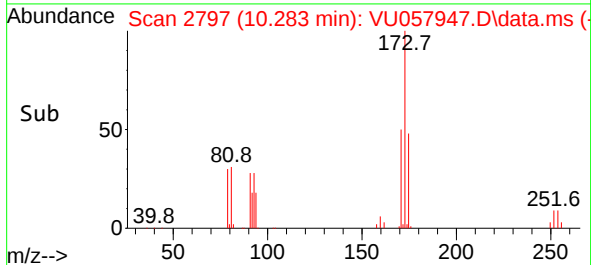
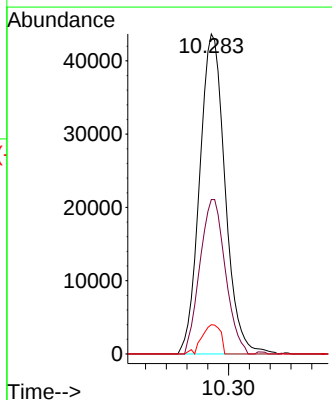
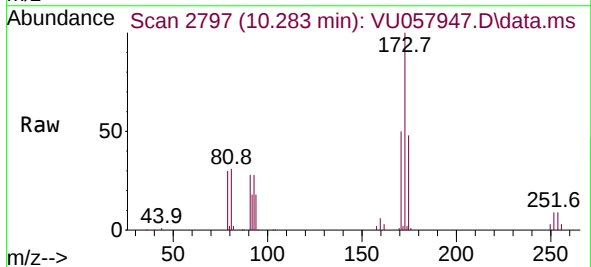
Instrument :
MSVOA_U
ClientSampleId :

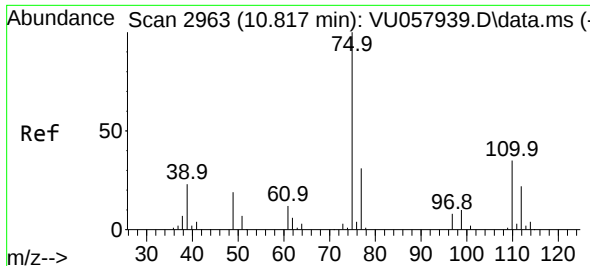
Tgt Ion: 83 Resp: 165470
Ion Ratio Lower Upper
83 100
85 64.3 45.2 84.0
131 8.9 7.8 11.6



#59
Bromoform
Concen: 51.239 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Tgt Ion:173 Resp: 74077
Ion Ratio Lower Upper
173 100
175 48.3 38.8 58.2
254 6.4 1.0 1.6#

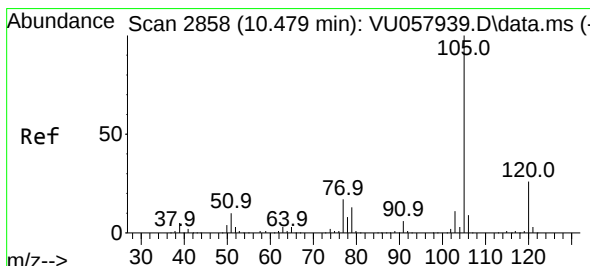
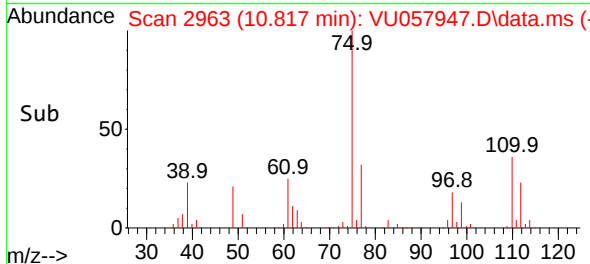
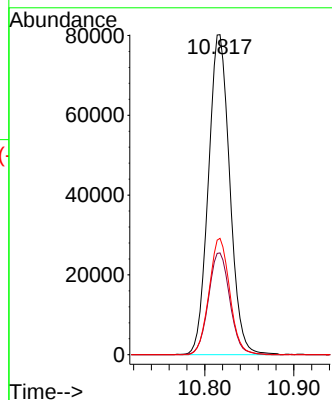
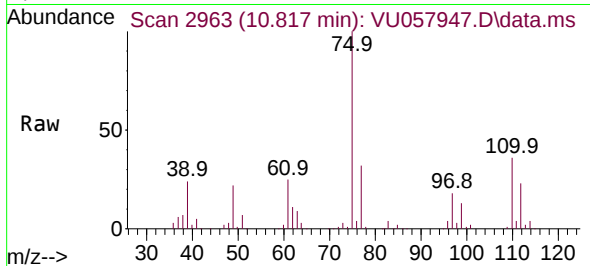




#60
1,2,3-Trichloropropane
Concen: 49.022 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

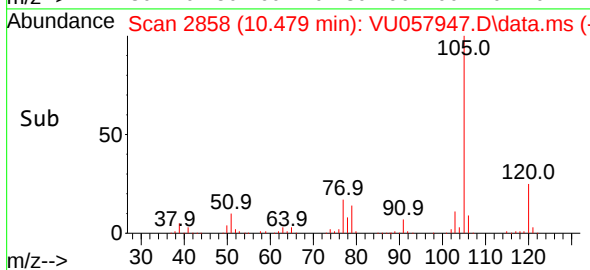
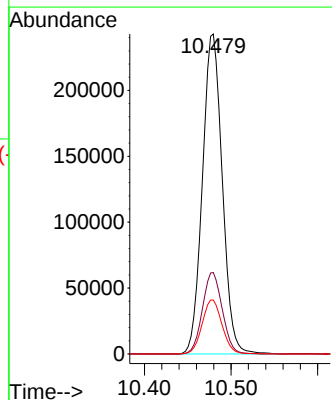
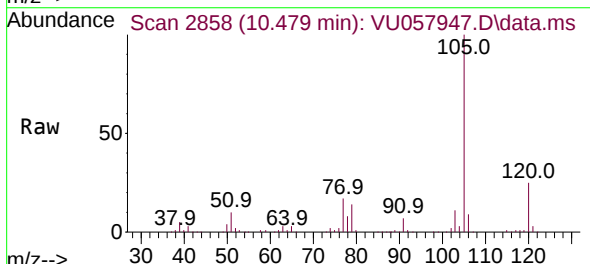
Instrument :
MSVOA_U
ClientSampleId :

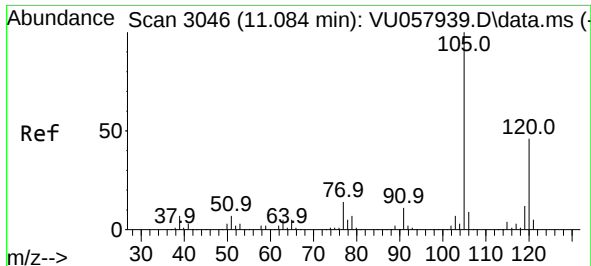
Tgt Ion: 75 Resp: 133759
Ion Ratio Lower Upper
75 100
77 31.8 25.9 38.9
110 35.1 28.3 42.5



#61
Isopropylbenzene
Concen: 42.028 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Tgt Ion: 105 Resp: 386816
Ion Ratio Lower Upper
105 100
120 25.4 20.5 30.7
77 16.9 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 41.328 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Instrument :

MSVOA_U

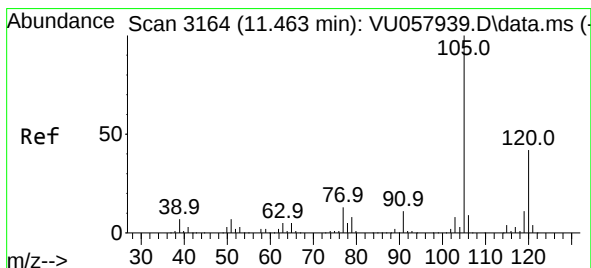
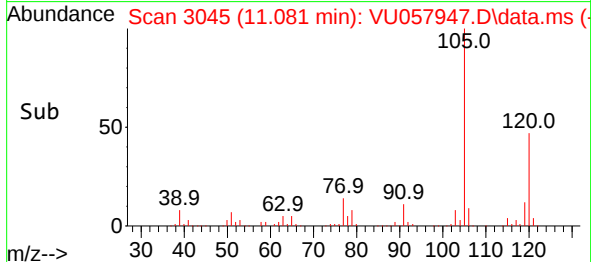
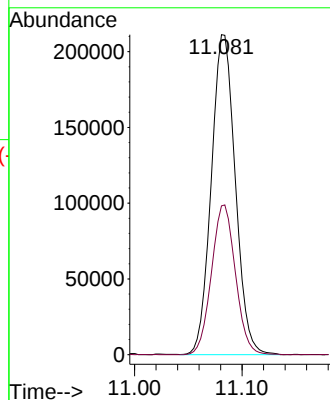
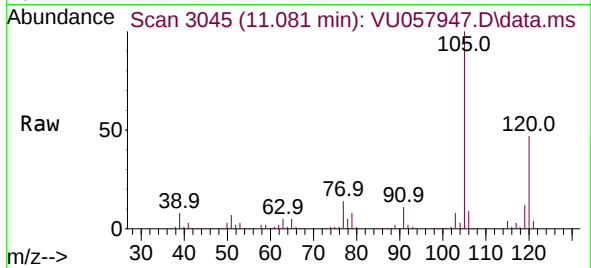
ClientSampleId :

Tgt Ion:105 Resp: 327714

Ion Ratio Lower Upper

105 100

120 46.7 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 42.575 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057947.D

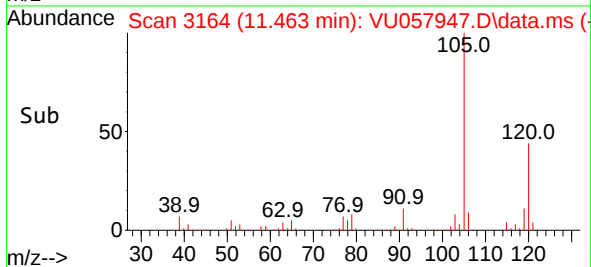
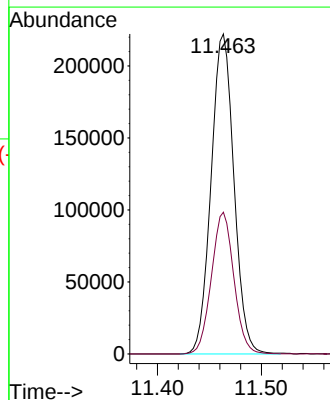
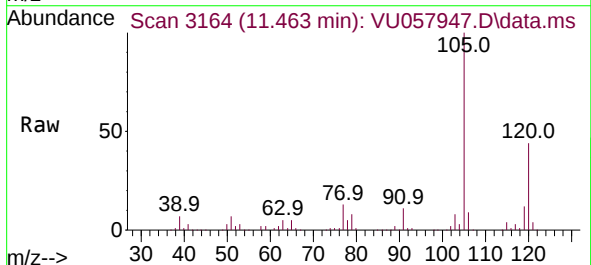
Acq: 23 Feb 2024 15:55

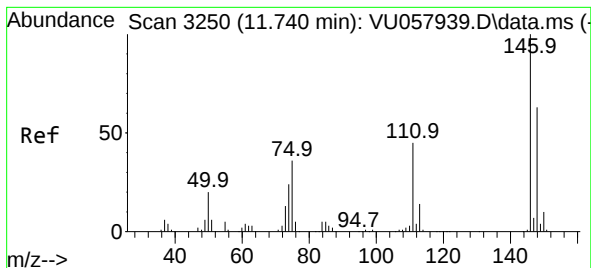
Tgt Ion:105 Resp: 339228

Ion Ratio Lower Upper

105 100

120 43.5 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 44.751 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :

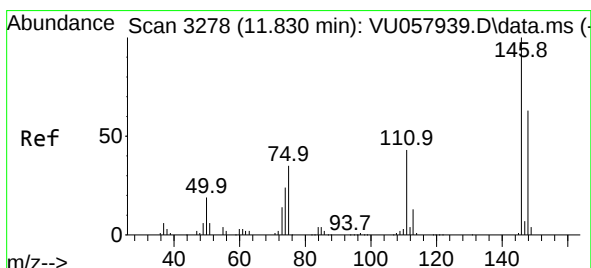
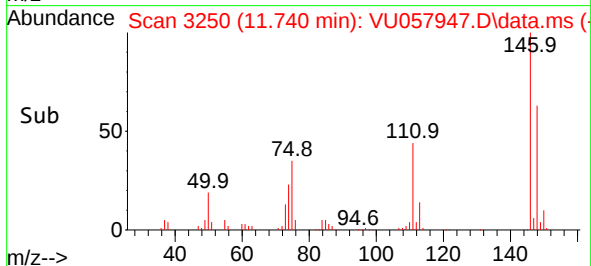
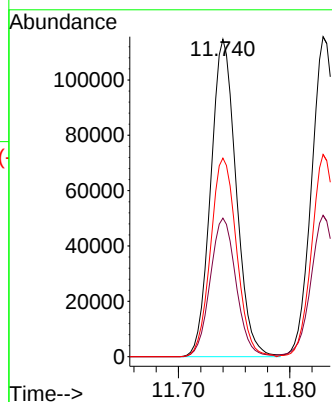
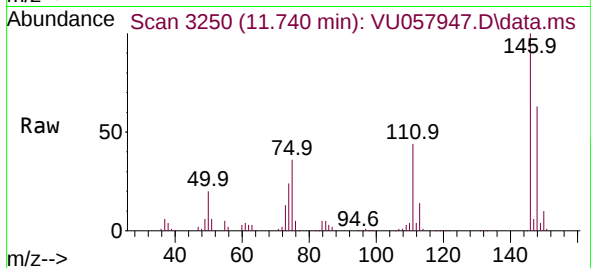
Tgt Ion:146 Resp: 182112

Ion Ratio Lower Upper

146 100

111 43.6 31.6 58.6

148 62.5 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 45.246 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

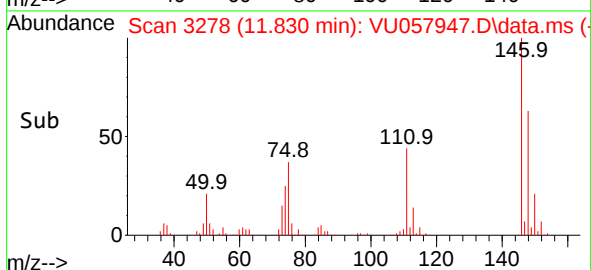
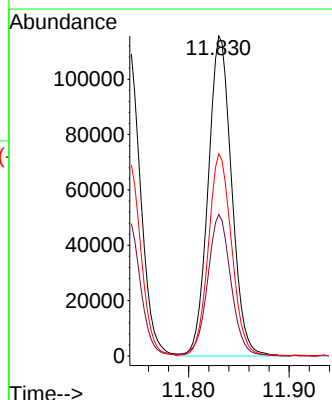
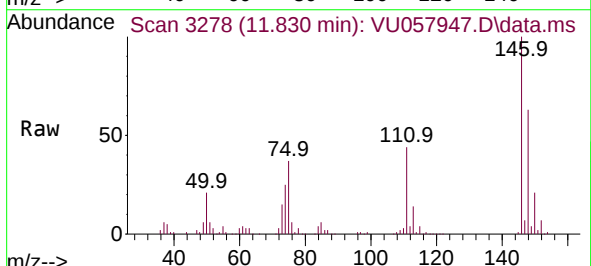
Tgt Ion:146 Resp: 187573

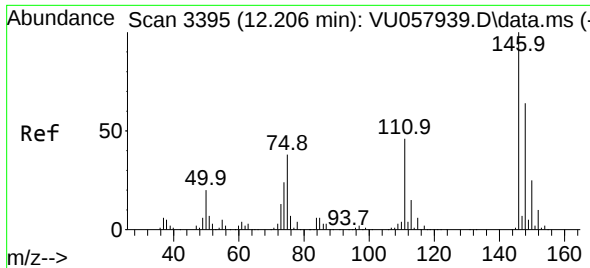
Ion Ratio Lower Upper

146 100

111 44.2 29.9 55.5

148 63.2 44.7 82.9

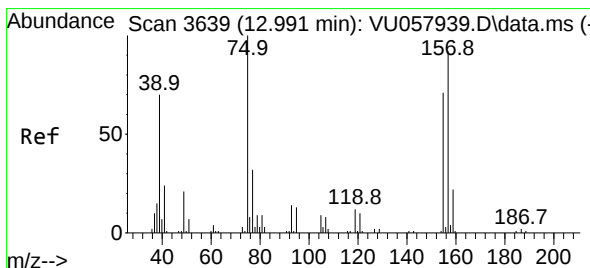
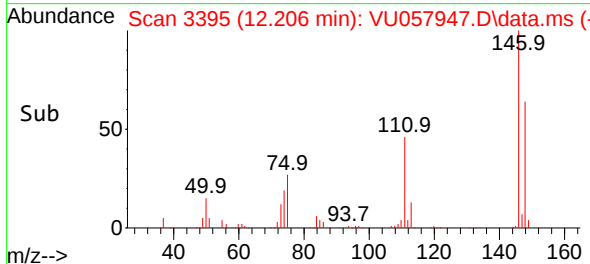
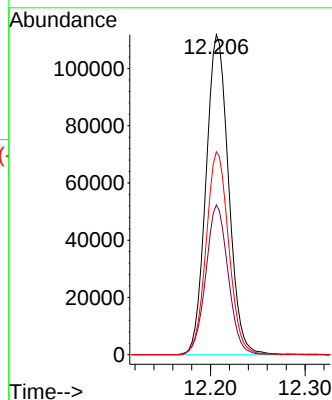
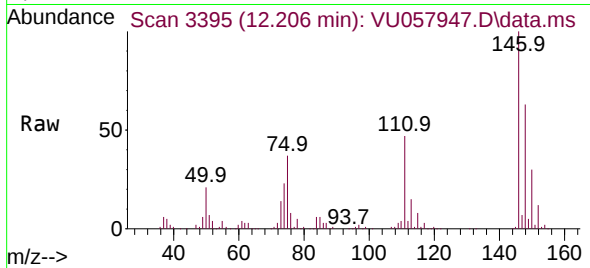




#67
1,2-Dichlorobenzene
Concen: 46.253 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

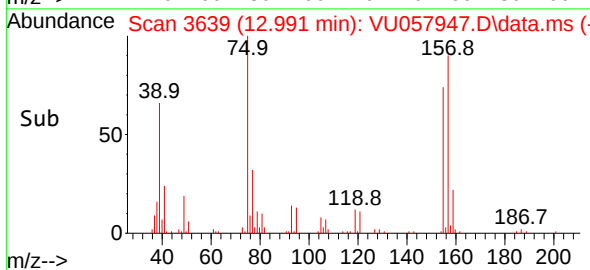
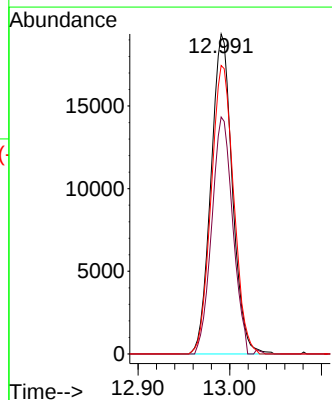
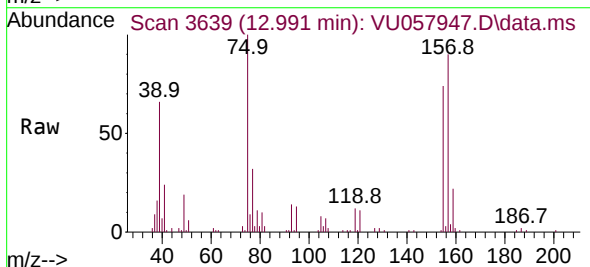
Instrument :
MSVOA_U
ClientSampleId :

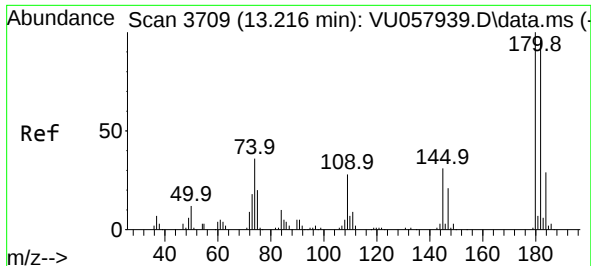
Tgt Ion:146 Resp: 185177
Ion Ratio Lower Upper
146 100
111 46.8 37.3 55.9
148 63.4 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 48.327 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. 0.000 min
Lab File: VU057947.D
Acq: 23 Feb 2024 15:55

Tgt Ion: 75 Resp: 31308
Ion Ratio Lower Upper
75 100
155 77.5 63.2 94.8
157 94.0 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 43.464 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

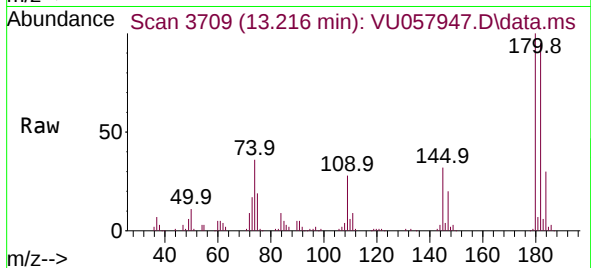
Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 118965

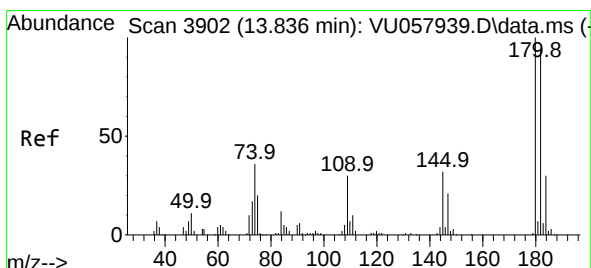
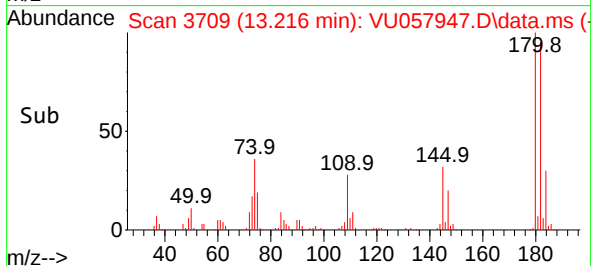
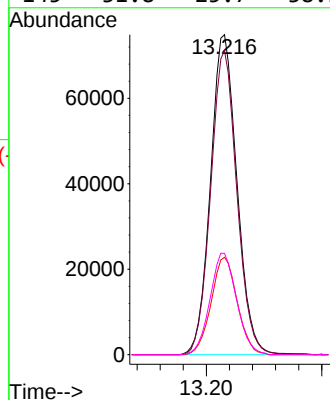
Ion Ratio Lower Upper

180 100

182 94.0 77.6 116.4

184 30.1 24.1 36.1

145 31.8 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 47.873 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

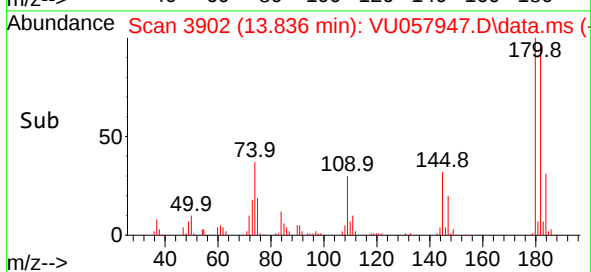
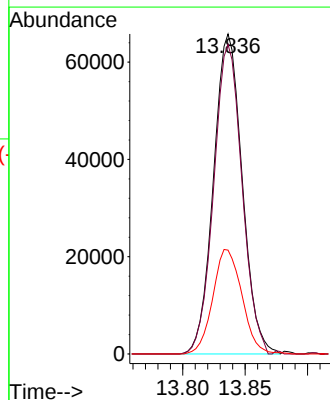
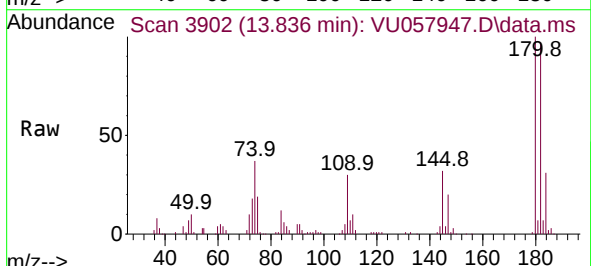
Tgt Ion:180 Resp: 105500

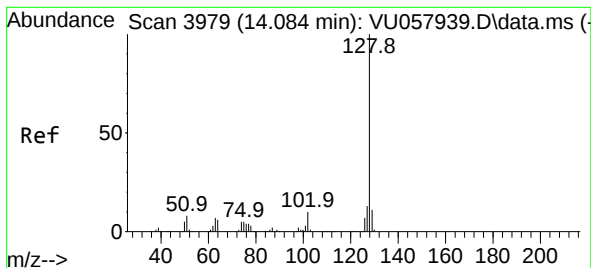
Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.6

145 33.2 25.9 38.9





#71

Naphthalene

Concen: 49.909 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :

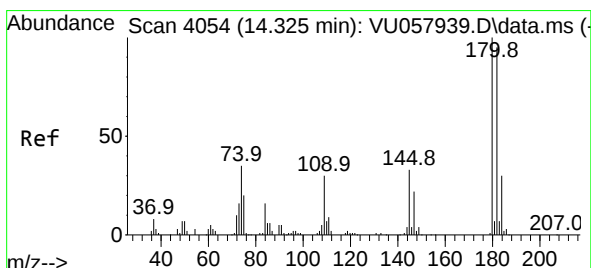
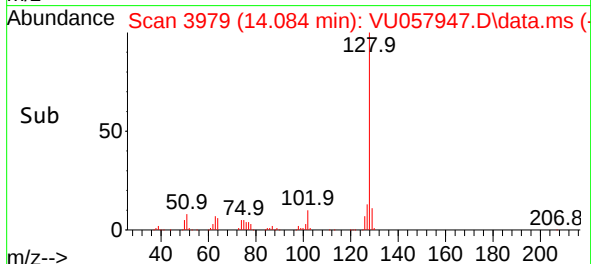
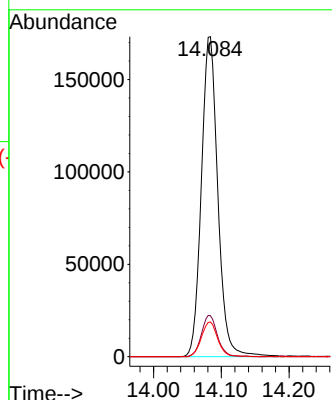
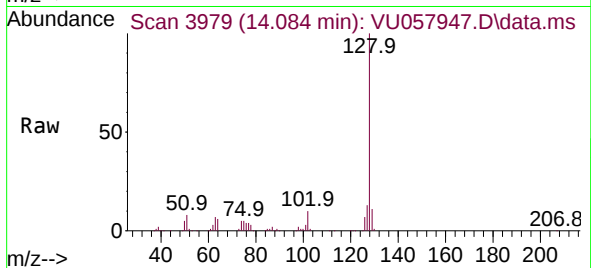
Tgt Ion:128 Resp: 292074

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 48.926 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU057947.D

Acq: 23 Feb 2024 15:55

Tgt Ion:180 Resp: 99033

Ion Ratio Lower Upper

180 100

182 94.9 75.4 113.2

145 34.5 27.8 41.8

