

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121123\
 Data File : VU056727.D
 Acq On : 11 Dec 2023 12:57
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 01:01:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 12 00:52:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	268733	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	264059	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	129755	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	109342	4.747	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.000%
7) Chloroethane-d5	1.911	69	85074	4.935	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.800%
11) 1,1-Dichloroethene-d2	2.563	65	48074	4.878	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.600%
20) 2-Butanone-d5	4.618	46	232023	51.005	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.000%
24) Chloroform-d	5.059	84	212461	4.871	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	5.695	65	101189	4.902	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.721	84	410505	5.012	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	6.685	67	125798	4.907	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.894	98	367344	5.018	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
43) trans-1,3-Dichloroprop...	8.174	79	50361	5.066	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.400%
46) 2-Hexanone-d5	8.627	63	194912	51.983	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.960%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	90701	4.890	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	124906	4.897	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	134317	4.770	ug/L	99
3) Chloromethane	1.515	50	127588	4.608	ug/L	99
5) Vinyl chloride	1.602	62	132353	4.813	ug/L	98
6) Bromomethane	1.853	94	74974	4.625	ug/L	98
8) Chloroethane	1.930	64	75336	4.677	ug/L	98
9) Trichlorofluoromethane	2.136	101	184441	4.760	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	115102	4.843	ug/L	99
12) 1,1-Dichloroethene	2.576	96	105073	4.816	ug/L	97
13) Acetone	2.628	43	133701	48.228	ug/L	99
14) Carbon disulfide	2.789	76	361315	4.773	ug/L	99
15) Methyl Acetate	2.946	43	36213	4.799	ug/L	100
16) Methylene chloride	3.043	84	117962	4.963	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	240516	4.972	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	111045	5.020	ug/L	96
19) 1,1-Dichloroethane	3.862	63	206385	4.850	ug/L	99
21) 2-Butanone	4.695	43	226122	48.367	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	119563	4.968	ug/L	98
23) Bromochloromethane	4.968	128	49308	4.894	ug/L	94
25) Chloroform	5.081	83	212405	4.765	ug/L	98

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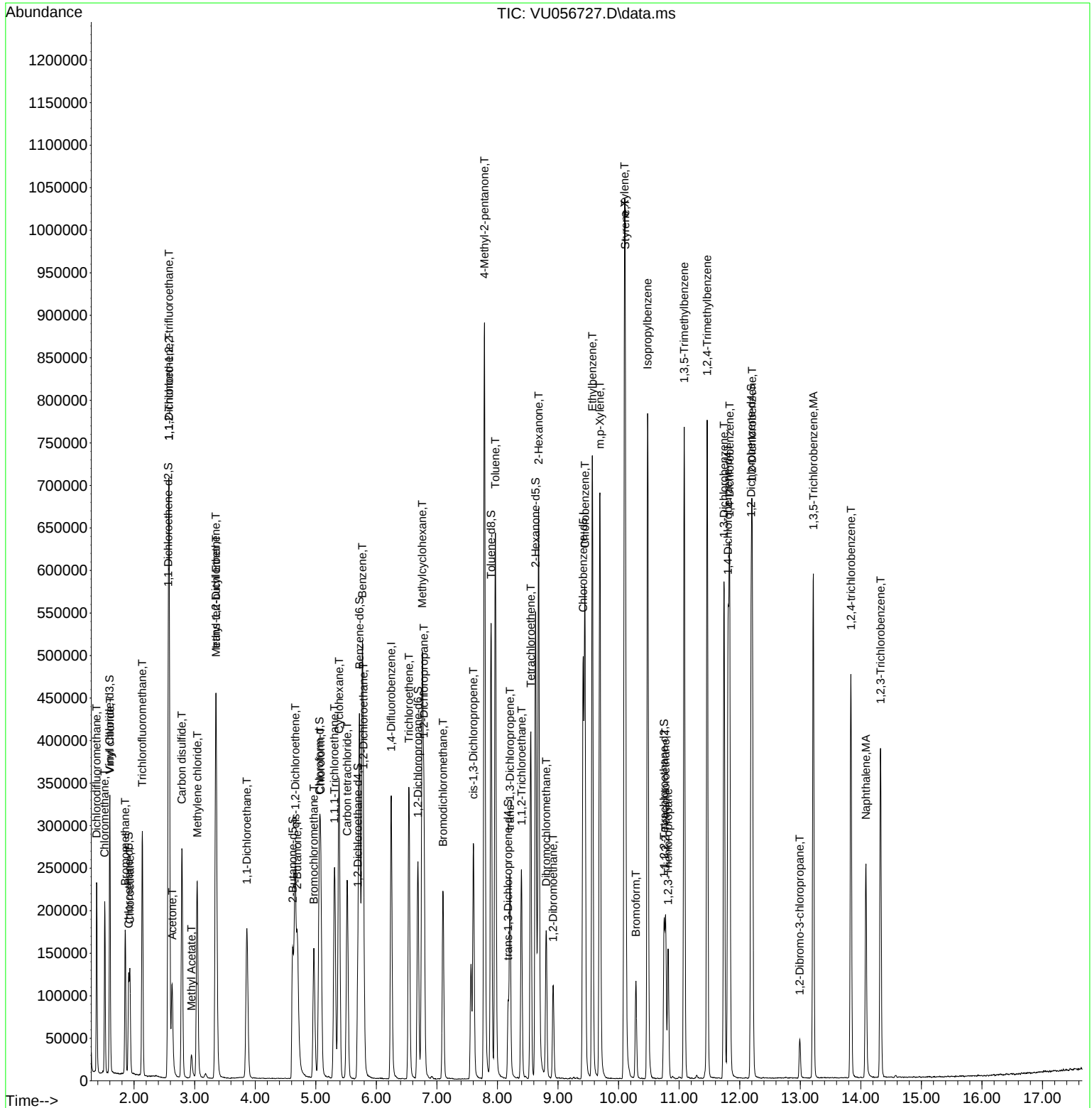
Instrument :
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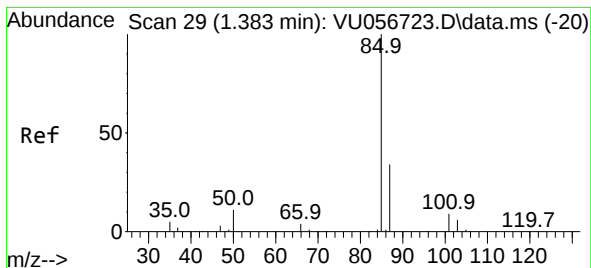
Quant Time: Dec 12 01:01:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	125861	4.774	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	191000	5.004	ug/L	98
30) Cyclohexane	5.383	56	182758	5.102	ug/L	100
31) Carbon tetrachloride	5.518	117	161235	4.860	ug/L	98
33) Benzene	5.769	78	458875	4.945	ug/L	100
34) Trichloroethene	6.538	95	124179	4.878	ug/L	98
35) Methylcyclohexane	6.759	83	190174	5.062	ug/L	100
37) 1,2-Dichloropropane	6.785	63	117683	4.957	ug/L	99
38) Bromodichloromethane	7.100	83	147643	4.877	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	176749	5.109	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	565389	50.157	ug/L	98
42) Toluene	7.965	91	487577	5.078	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	141662	4.996	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	76922	4.793	ug/L	92
47) Tetrachloroethene	8.550	164	86133	4.835	ug/L	97
48) 2-Hexanone	8.679	43	416172	51.837	ug/L	99
49) Dibromochloromethane	8.804	129	90634	4.913	ug/L	99
50) 1,2-Dibromoethane	8.917	107	74635	5.011	ug/L	100
51) Chlorobenzene	9.444	112	302581	4.944	ug/L	99
52) Ethylbenzene	9.566	91	539495	5.093	ug/L	100
53) m,p-Xylene	9.692	106	205896	5.217	ug/L	95
54) o-Xylene	10.097	106	192195	5.112	ug/L	100
55) Styrene	10.110	104	325805	5.277	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	93617	4.828	ug/L	100
59) Bromoform	10.287	173	51808	4.890	ug/L	97
60) Isopropylbenzene	10.480	105	523853	5.110	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	66238	4.754	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	430263	5.135	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	430402	5.172	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	234547	4.837	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	227676	4.768	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	210531	4.766	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	12991	4.670	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	177050	4.832	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	141036	4.860	ug/L	99
71) Naphthalene	14.084	128	204243	4.810	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	115401	4.684	ug/L	98

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

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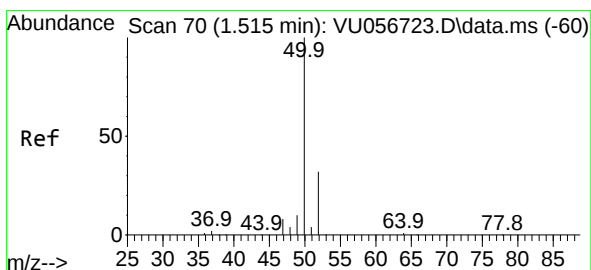
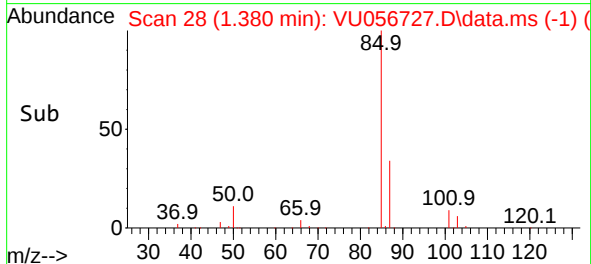
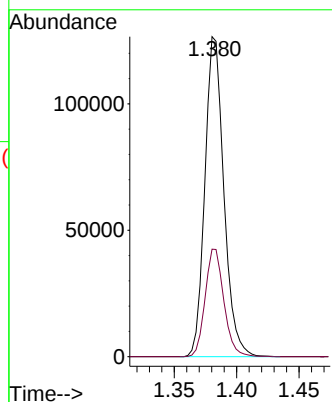
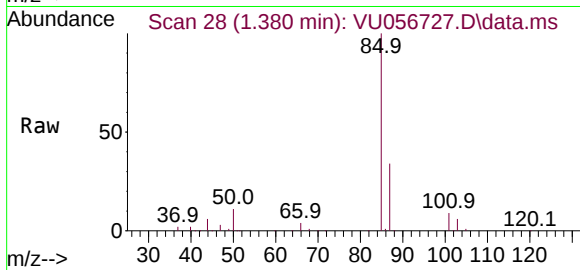




#2
 Dichlorodifluoromethane
 Concen: 4.770 ug/L
 RT: 1.380 min Scan# 29
 Delta R.T. -0.003 min
 Lab File: VU056727.D
 Acq: 11 Dec 2023 12:57

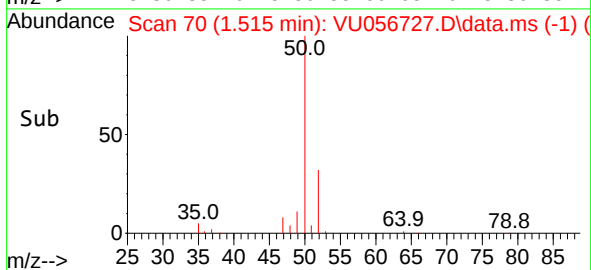
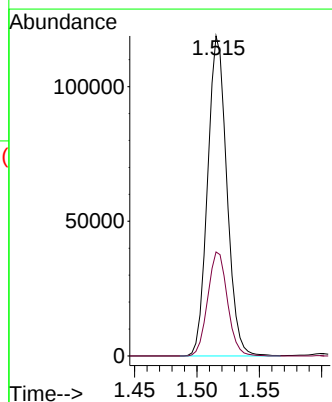
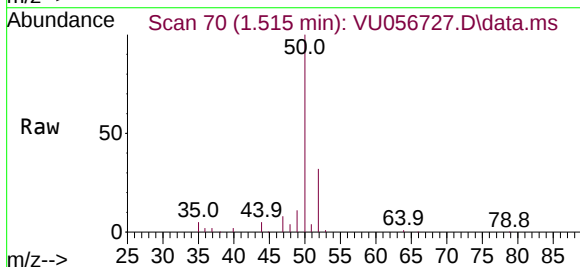
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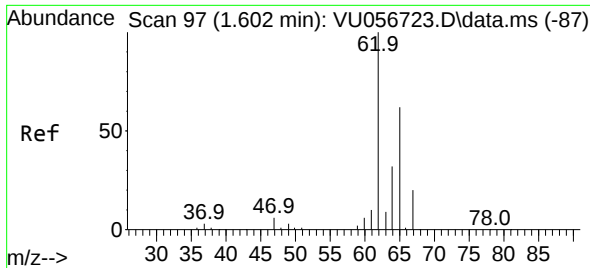
Tgt Ion: 85 Resp: 134317
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.8 40.2



#3
 Chloromethane
 Concen: 4.608 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU056727.D
 Acq: 11 Dec 2023 12:57

Tgt Ion: 50 Resp: 127588
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.5 41.7

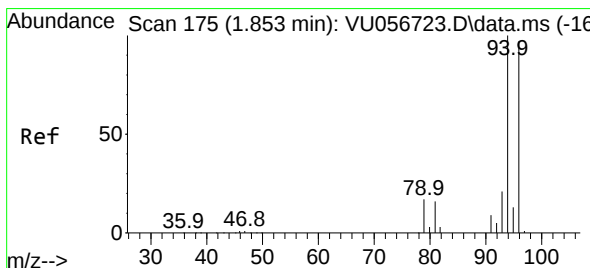
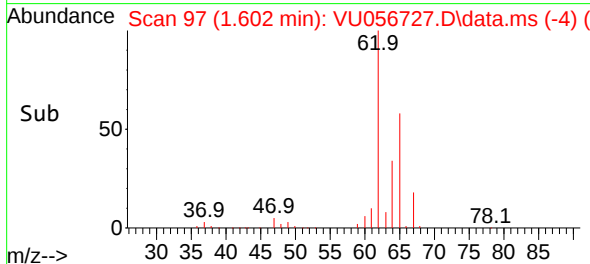
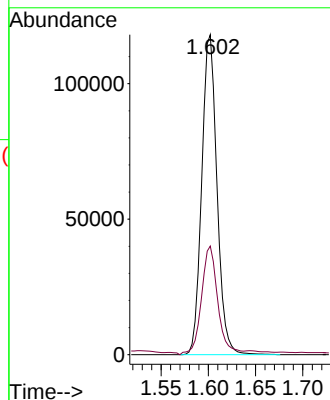
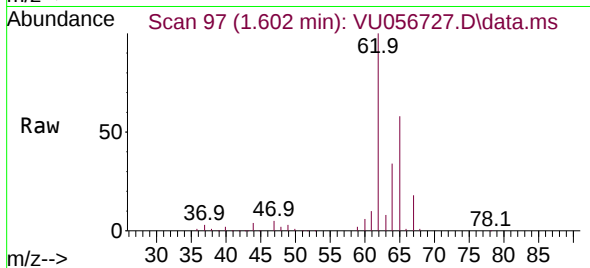




#5
 Vinyl chloride
 Concen: 4.813 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU056727.D
 Acq: 11 Dec 2023 12:57

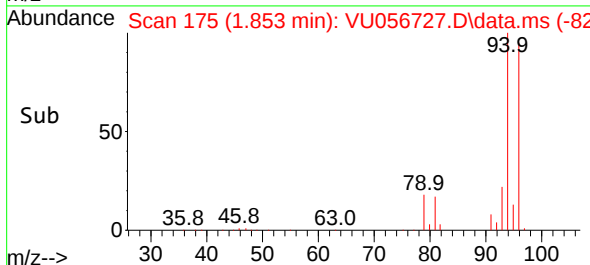
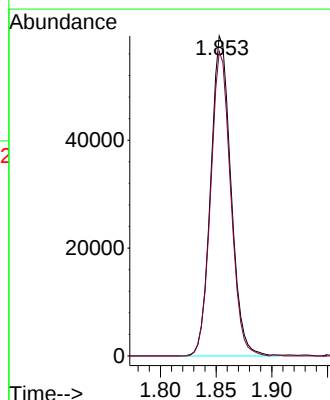
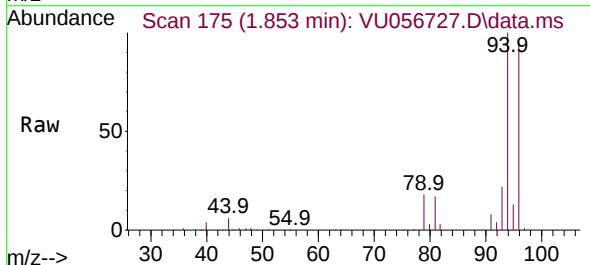
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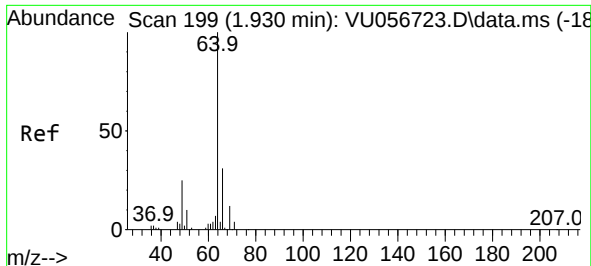
Tgt Ion: 62 Resp: 132353
 Ion Ratio Lower Upper
 62 100
 64 34.0 22.8 42.4



#6
 Bromomethane
 Concen: 4.625 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU056727.D
 Acq: 11 Dec 2023 12:57

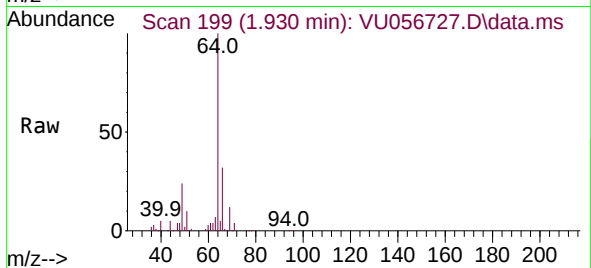
Tgt Ion: 94 Resp: 74974
 Ion Ratio Lower Upper
 94 100
 96 95.2 67.8 125.8



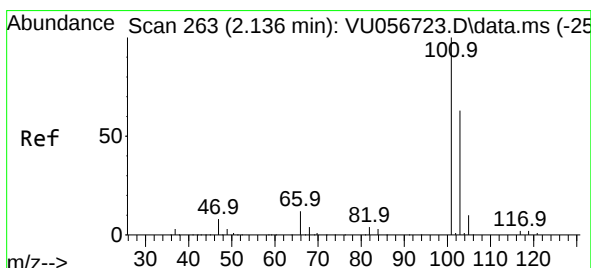
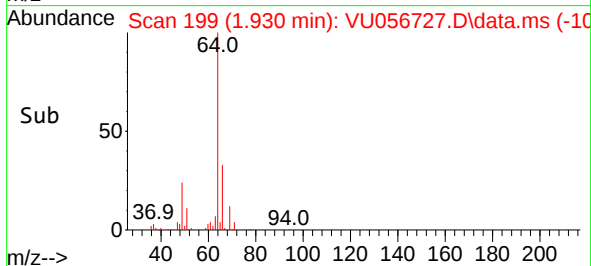
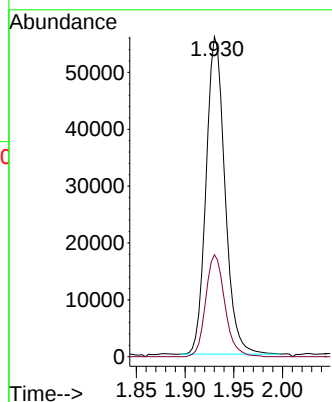


#8
Chloroethane
Concen: 4.677 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Instrument :
MSVOA_U
ClientSampleId :

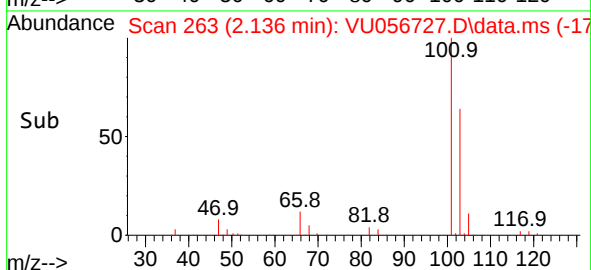
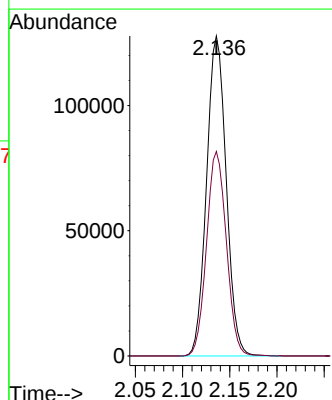
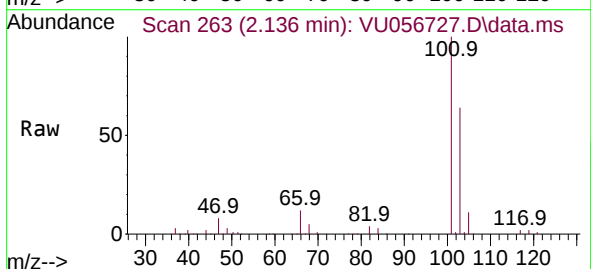


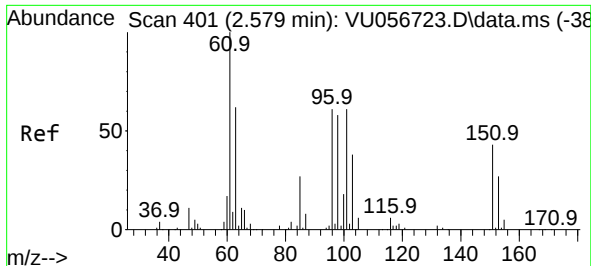
Tgt Ion: 64 Resp: 75336
Ion Ratio Lower Upper
64 100
66 31.8 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.760 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Tgt Ion:101 Resp: 184441
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

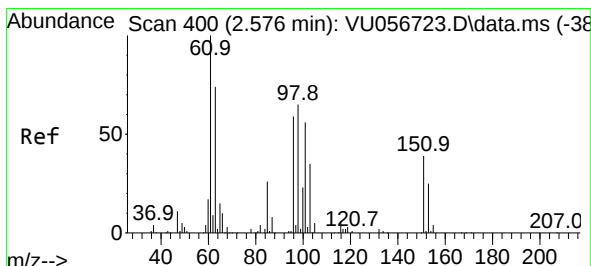
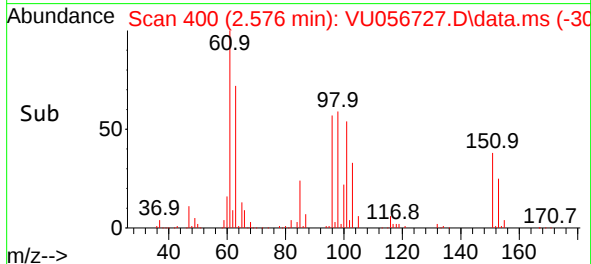
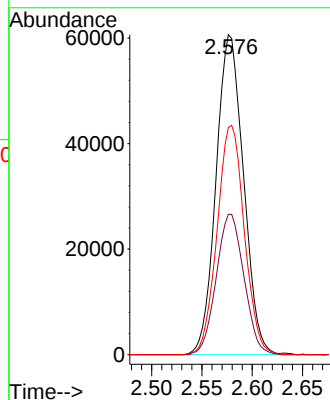
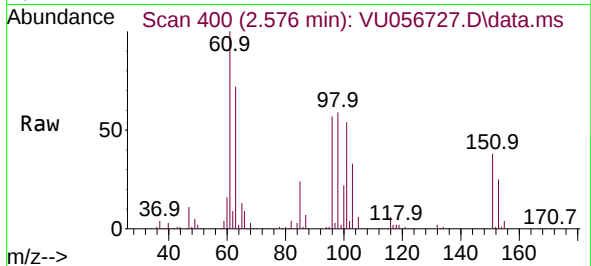




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.843 ug/L
 RT: 2.576 min Scan# 401
 Delta R.T. -0.003 min
 Lab File: VU056727.D
 Acq: 11 Dec 2023 12:57

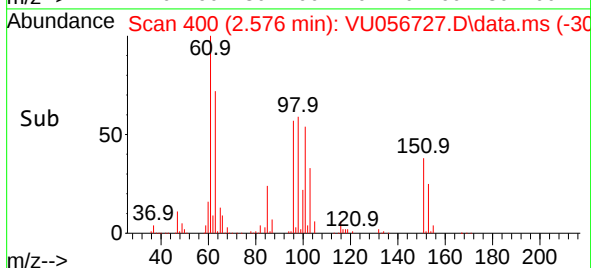
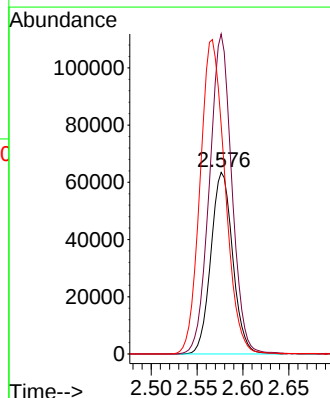
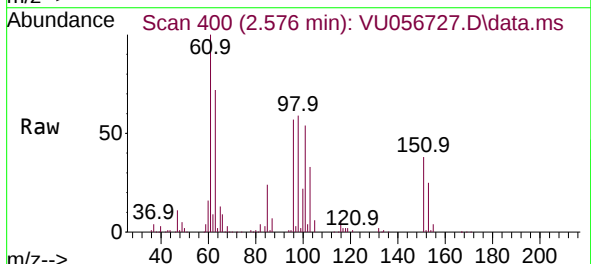
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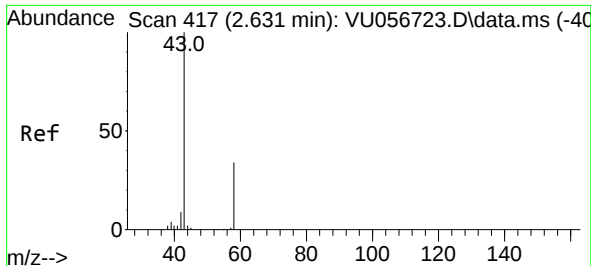
Tgt Ion:101 Resp: 115102
 Ion Ratio Lower Upper
 101 100
 85 44.2 35.2 52.8
 151 71.1 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 4.816 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056727.D
 Acq: 11 Dec 2023 12:57

Tgt Ion: 96 Resp: 105073
 Ion Ratio Lower Upper
 96 100
 61 176.2 119.0 221.0
 63 126.2 88.7 164.7





#13

Acetone

Concen: 48.228 ug/L

RT: 2.628 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

Instrument :

MSVOA_U

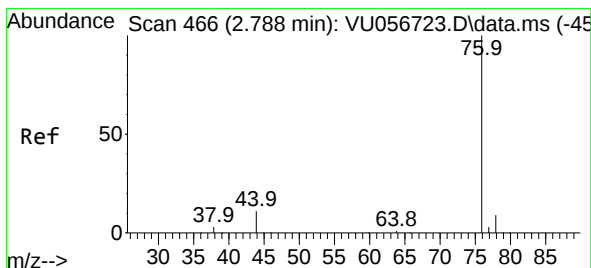
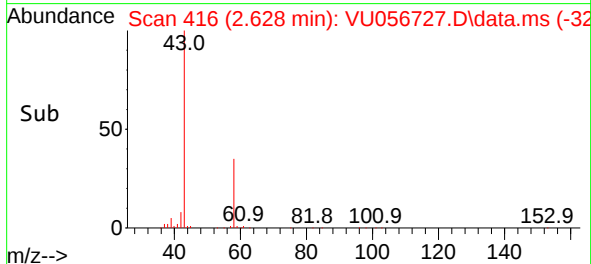
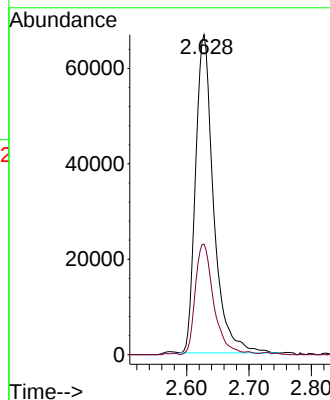
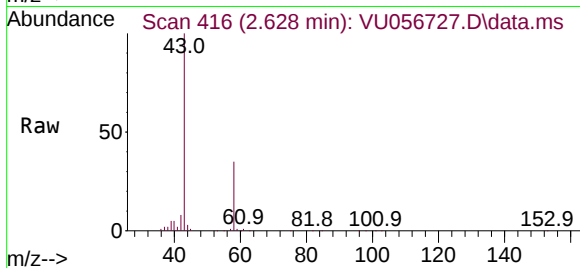
ClientSampleId :

Tgt Ion: 43 Resp: 133701

Ion Ratio Lower Upper

43 100

58 35.6 0.0 72.6



#14

Carbon disulfide

Concen: 4.773 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU056727.D

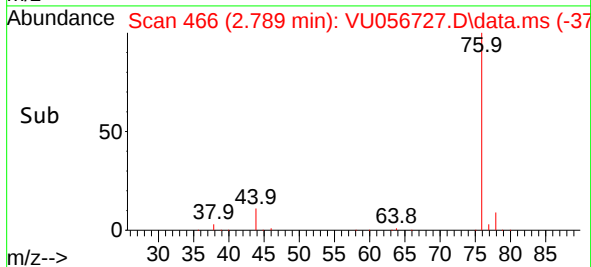
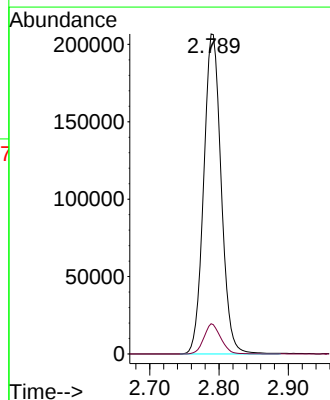
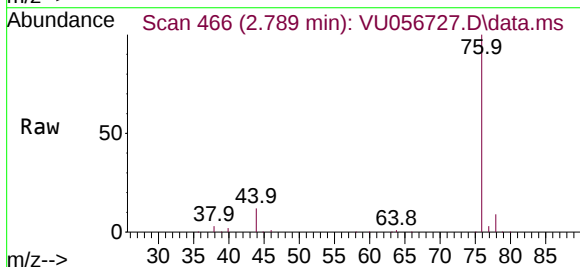
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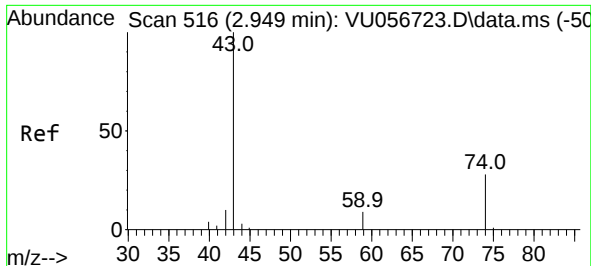
Tgt Ion: 76 Resp: 361315

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

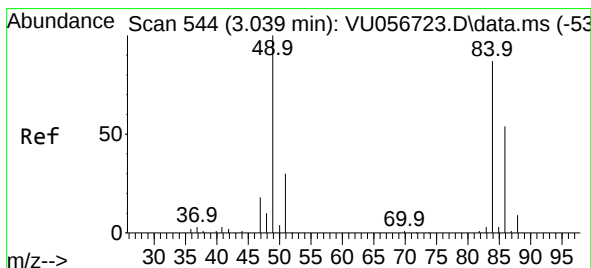
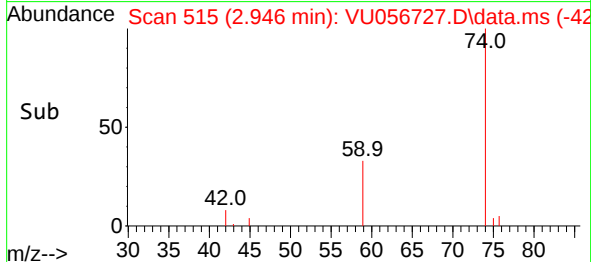
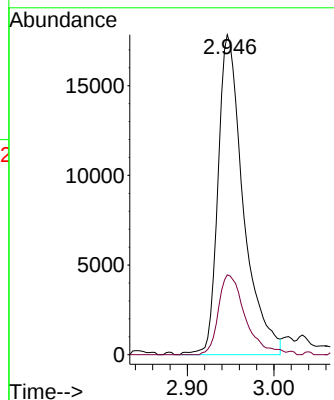
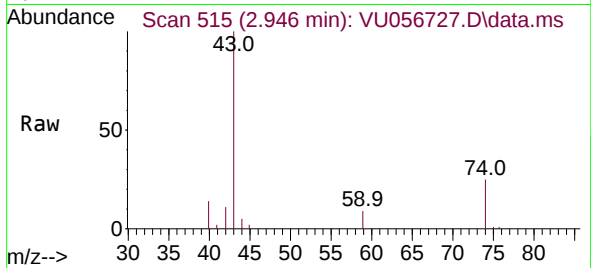




#15
Methyl Acetate
Concen: 4.799 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

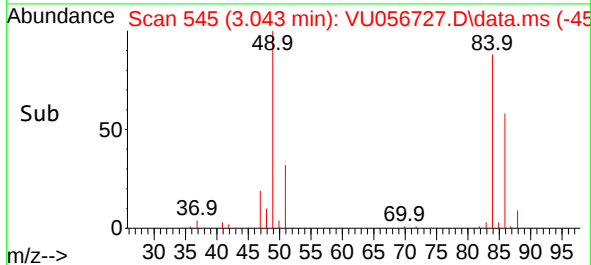
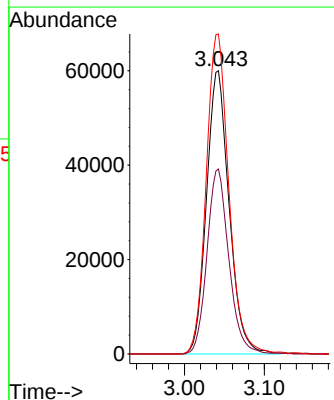
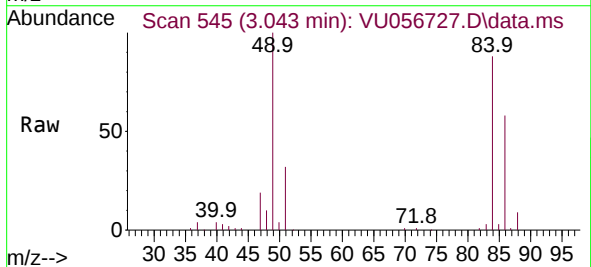
Instrument :
MSVOA_U
ClientSampleId :

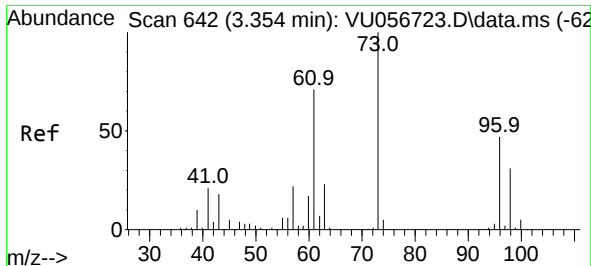
Tgt Ion: 43 Resp: 36213
Ion Ratio Lower Upper
43 100
74 26.5 21.0 31.6



#16
Methylene chloride
Concen: 4.963 ug/L
RT: 3.043 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Tgt Ion: 84 Resp: 117962
Ion Ratio Lower Upper
84 100
86 65.3 43.6 81.0
49 113.0 80.6 149.6

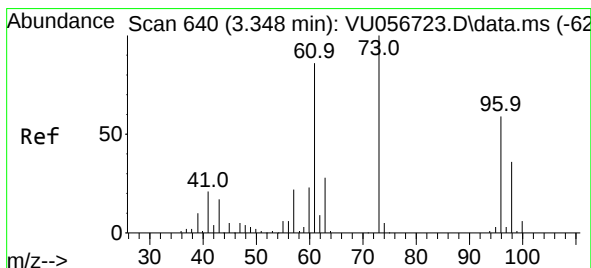
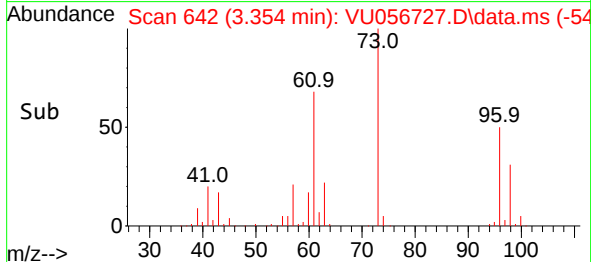
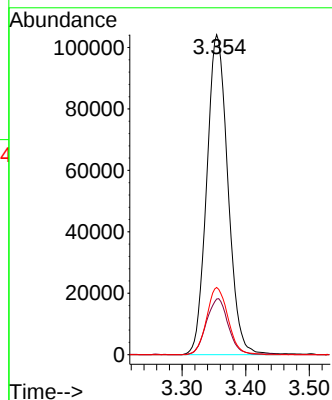
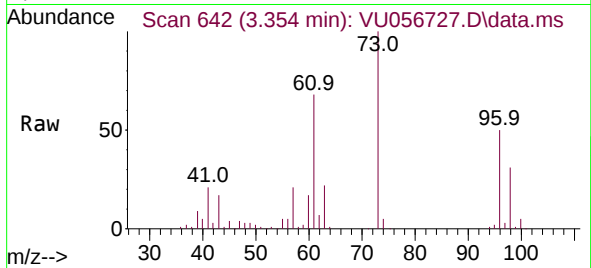




#17
Methyl tert-butyl Ether
Concen: 4.972 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

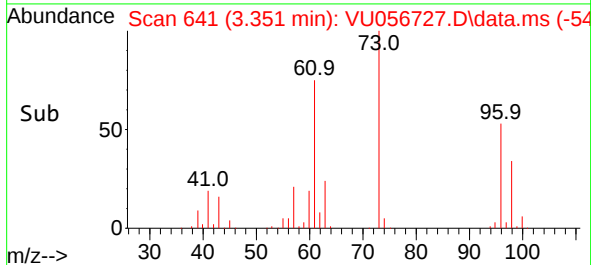
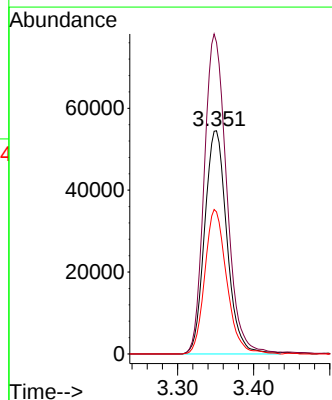
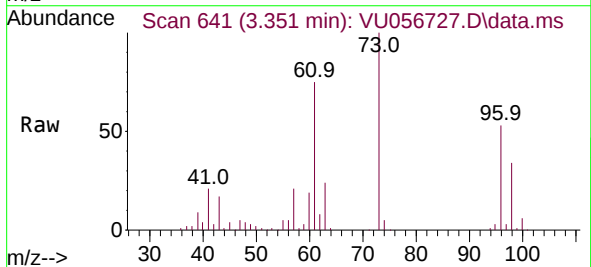
Instrument :
MSVOA_U
ClientSampleId :

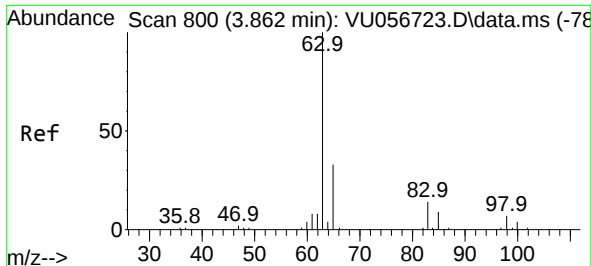
Tgt Ion: 73 Resp: 240516
Ion Ratio Lower Upper
73 100
43 18.1 14.4 21.6
57 21.2 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.020 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Tgt Ion: 96 Resp: 111045
Ion Ratio Lower Upper
96 100
61 139.6 101.8 189.0
98 63.7 43.0 79.8





#19

1,1-Dichloroethane

Concen: 4.850 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

Instrument :

MSVOA_U

ClientSampleId :

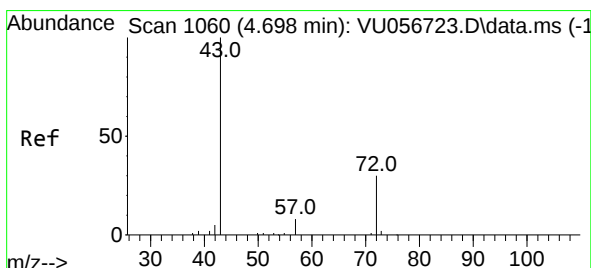
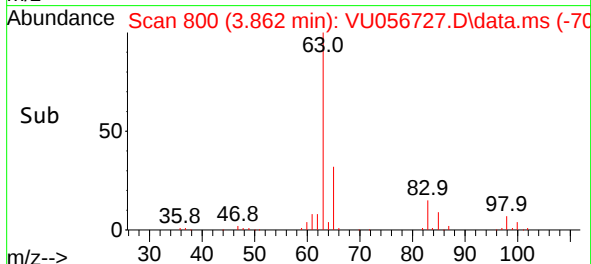
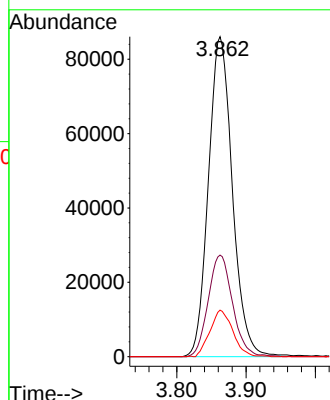
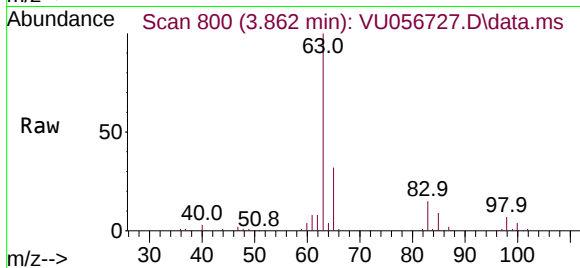
Tgt Ion: 63 Resp: 206385

Ion Ratio Lower Upper

63 100

65 31.7 22.9 42.5

83 14.5 10.1 18.9



#21

2-Butanone

Concen: 48.367 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. -0.003 min

Lab File: VU056727.D

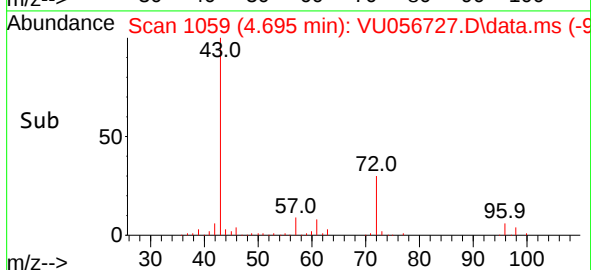
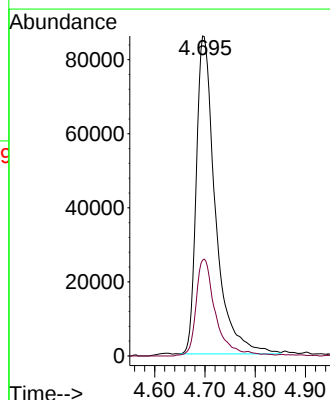
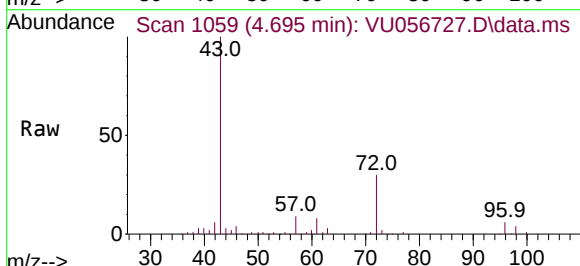
Acq: 11 Dec 2023 12:57

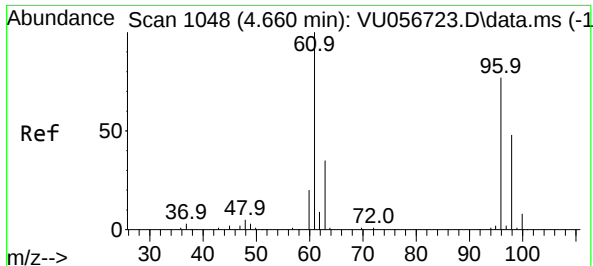
Tgt Ion: 43 Resp: 226122

Ion Ratio Lower Upper

43 100

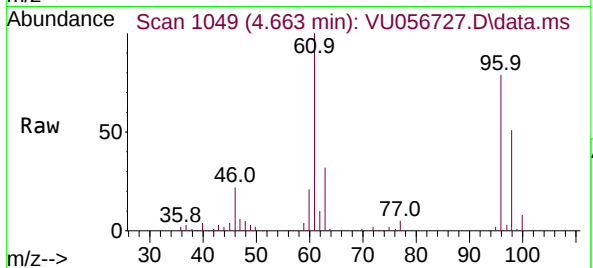
72 30.3 14.6 43.8



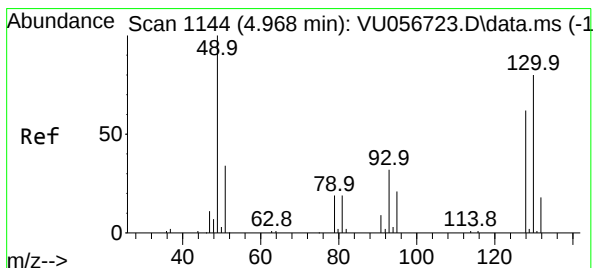
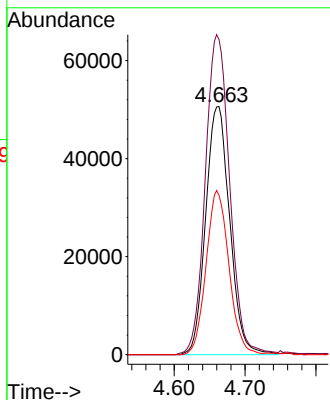
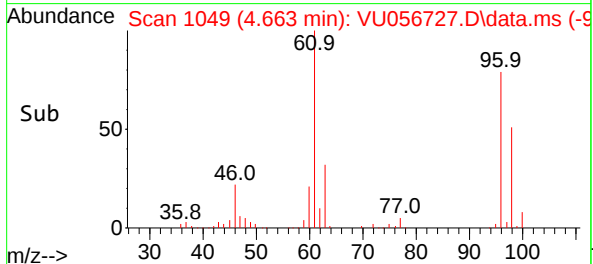


#22
 cis-1,2-Dichloroethene
 Concen: 4.968 ug/L
 RT: 4.663 min Scan# 1104
 Delta R.T. 0.003 min
 Lab File: VU056727.D
 Acq: 11 Dec 2023 12:57

Instrument :
 MSVOA_U
 ClientSampleId :

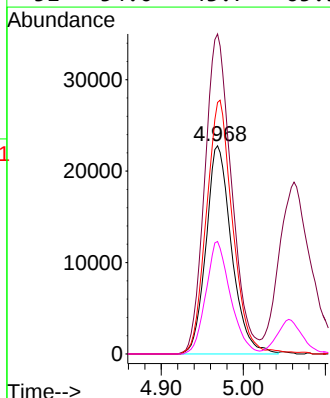
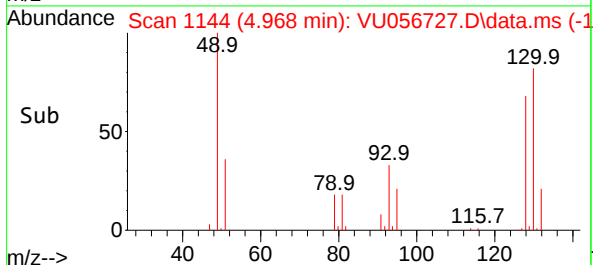
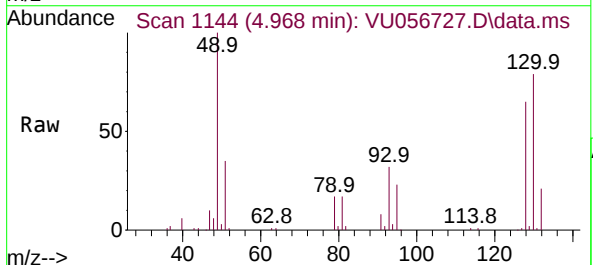


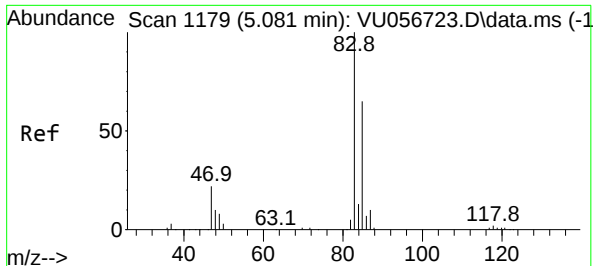
Tgt Ion:	96	Resp:	119563
Ion	Ratio	Lower	Upper
96	100		
61	127.1	91.3	169.6
98	64.3	44.2	82.0



#23
 Bromochloromethane
 Concen: 4.894 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU056727.D
 Acq: 11 Dec 2023 12:57

Tgt Ion:	128	Resp:	49308
Ion	Ratio	Lower	Upper
128	100		
49	153.7	113.8	211.3
130	120.8	90.6	168.3
51	54.0	43.7	65.5





#25

Chloroform

Concen: 4.765 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

Instrument :

MSVOA_U

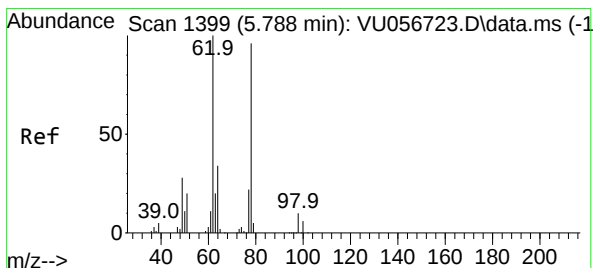
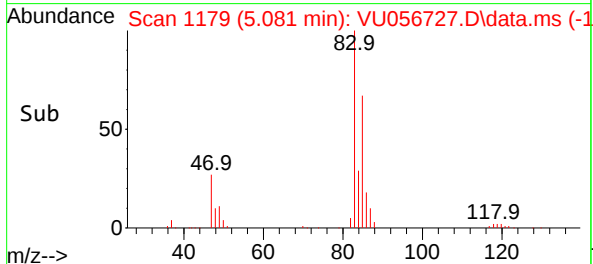
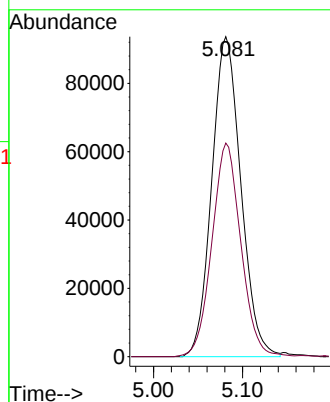
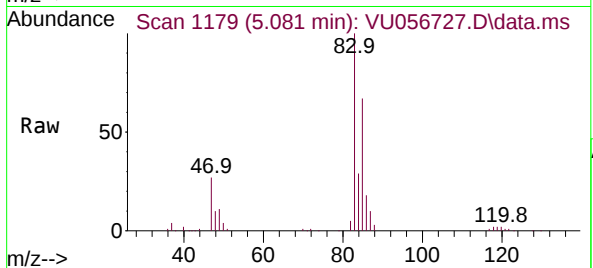
ClientSampleId :

Tgt Ion: 83 Resp: 212405

Ion Ratio Lower Upper

83 100

85 66.8 45.8 85.0



#27

1,2-Dichloroethane

Concen: 4.774 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU056727.D

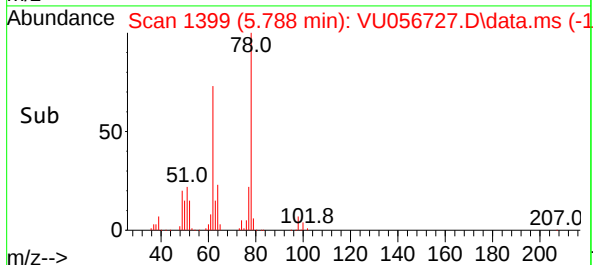
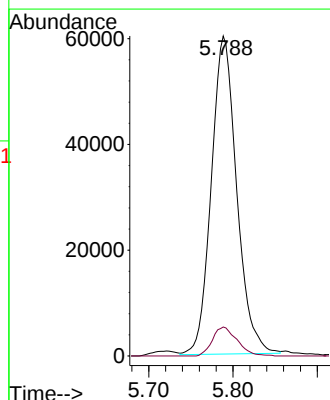
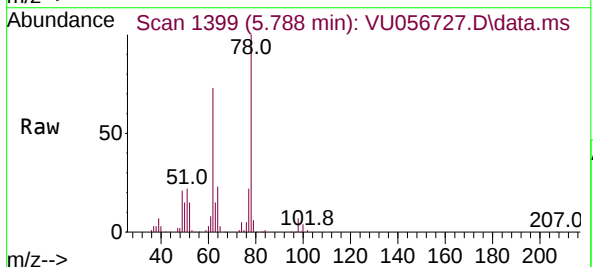
Acq: 11 Dec 2023 12:57

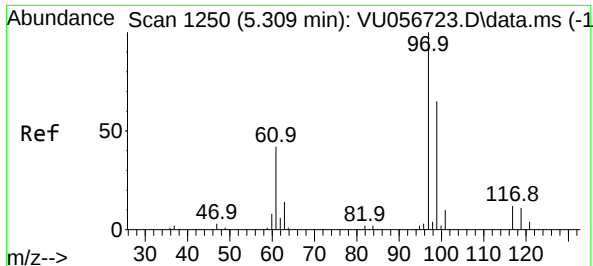
Tgt Ion: 62 Resp: 125861

Ion Ratio Lower Upper

62 100

98 9.1 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.004 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

Instrument :

MSVOA_U

ClientSampleId :

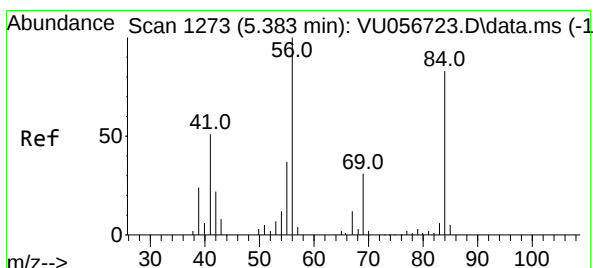
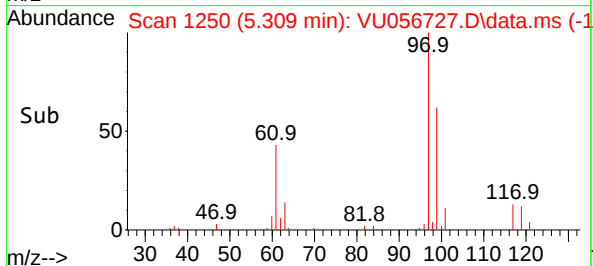
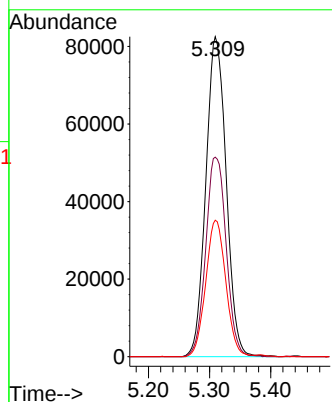
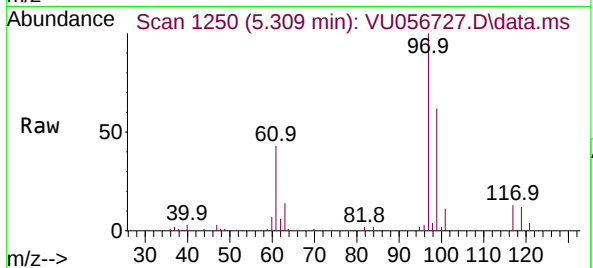
Tgt Ion: 97 Resp: 191000

Ion Ratio Lower Upper

97 100

99 62.8 52.5 78.7

61 42.2 34.2 51.2



#30

Cyclohexane

Concen: 5.102 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

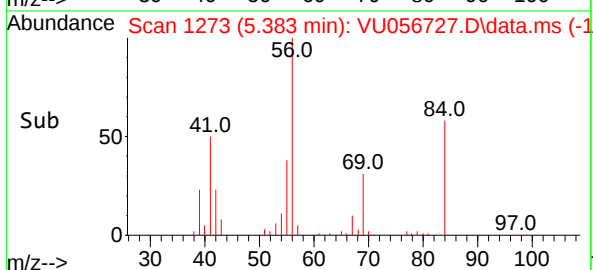
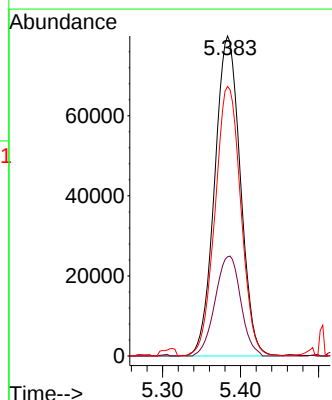
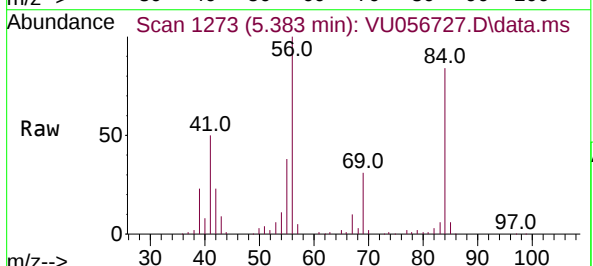
Tgt Ion: 56 Resp: 182758

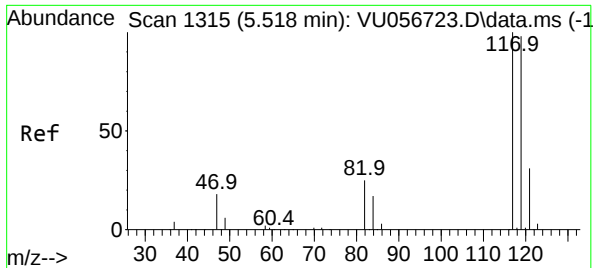
Ion Ratio Lower Upper

56 100

69 31.1 24.9 37.3

84 84.6 67.6 101.4

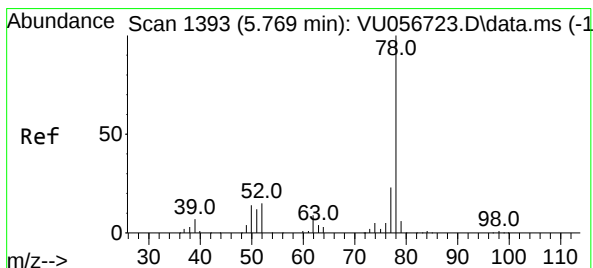
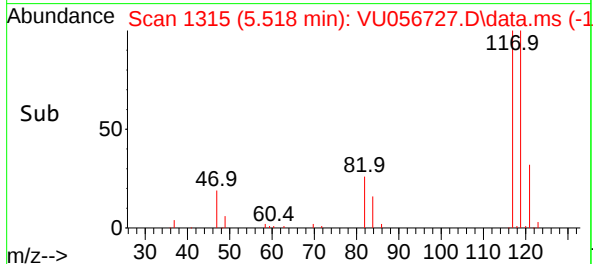
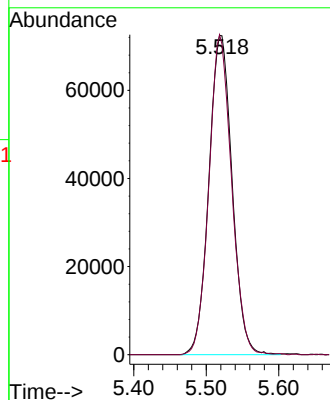
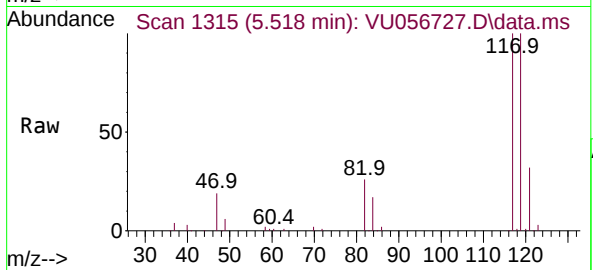




#31
Carbon tetrachloride
Concen: 4.860 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

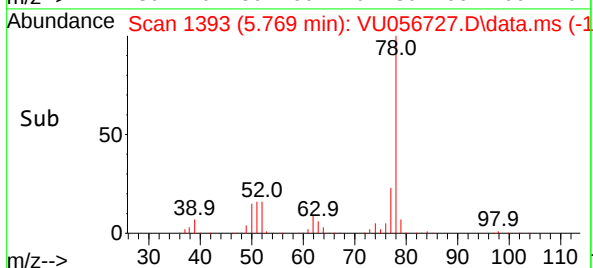
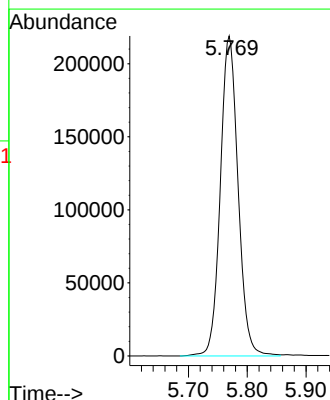
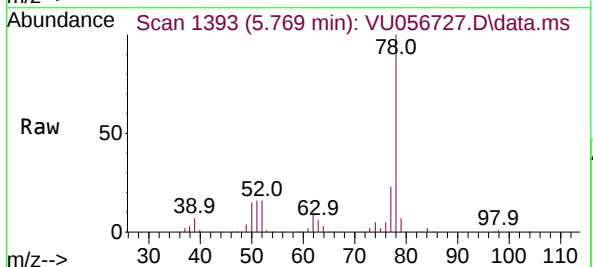
Instrument :
MSVOA_U
ClientSampleId :

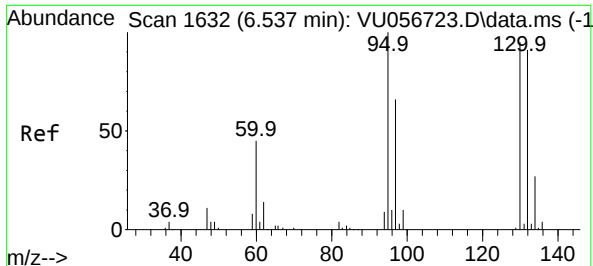
Tgt Ion:117 Resp: 161235
Ion Ratio Lower Upper
117 100
119 97.5 76.2 114.4



#33
Benzene
Concen: 4.945 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Tgt Ion: 78 Resp: 458875

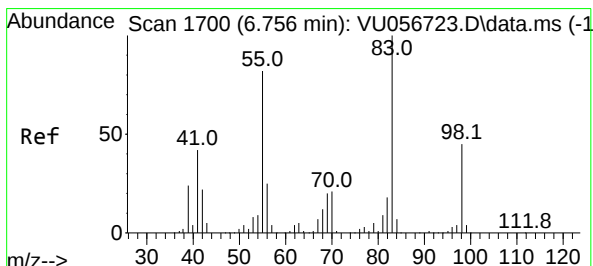
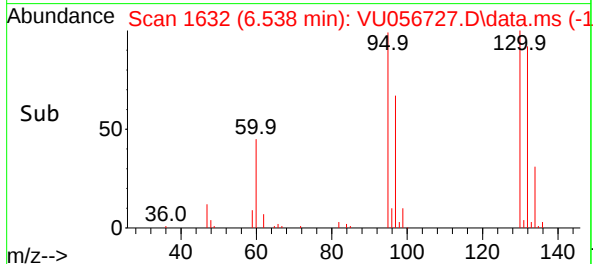
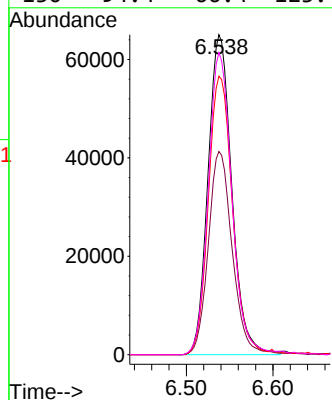
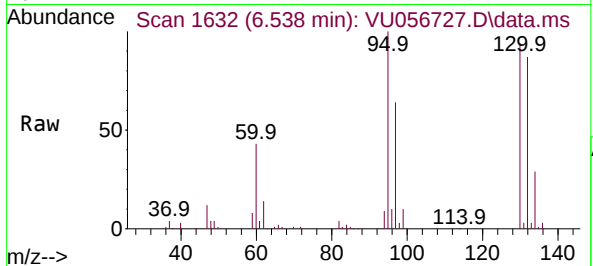




#34
Trichloroethene
Concen: 4.878 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

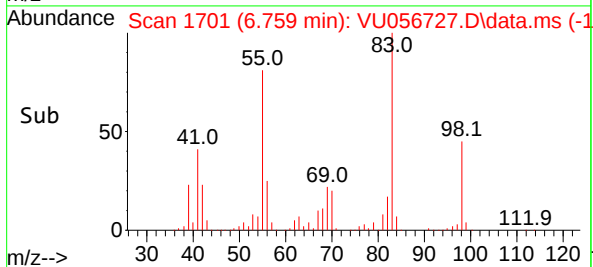
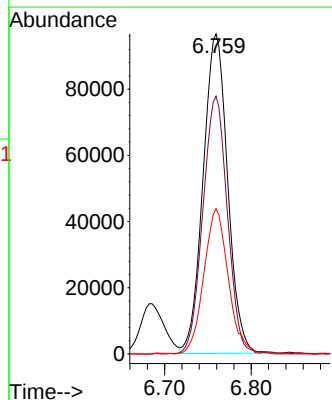
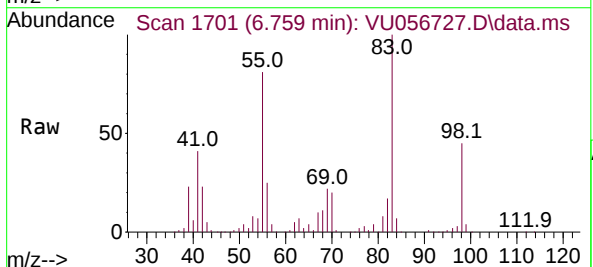
Instrument :
MSVOA_U
ClientSampleId :

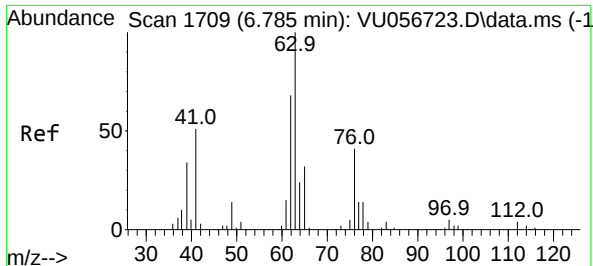
Tgt Ion: 95 Resp: 124179
Ion Ratio Lower Upper
95 100
97 63.5 46.1 85.5
132 87.0 63.6 118.0
130 94.4 66.4 123.4



#35
Methylcyclohexane
Concen: 5.062 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.003 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Tgt Ion: 83 Resp: 190174
Ion Ratio Lower Upper
83 100
55 80.5 64.6 97.0
98 44.6 36.1 54.1

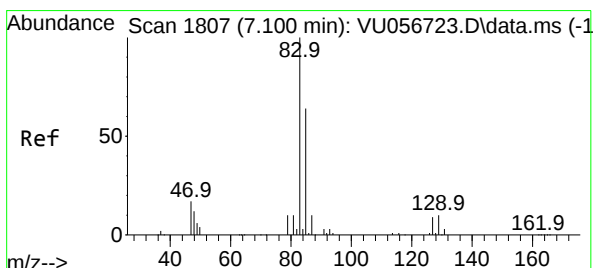
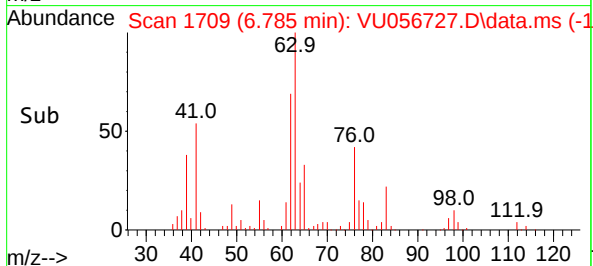
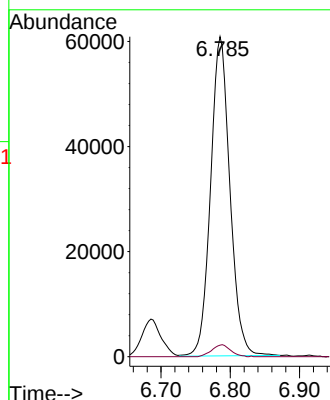
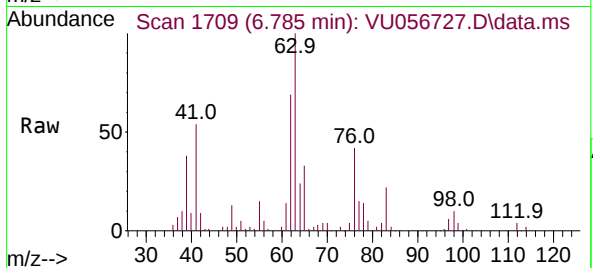




#37
1,2-Dichloropropane
Concen: 4.957 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

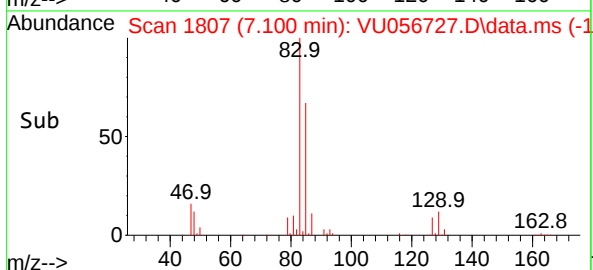
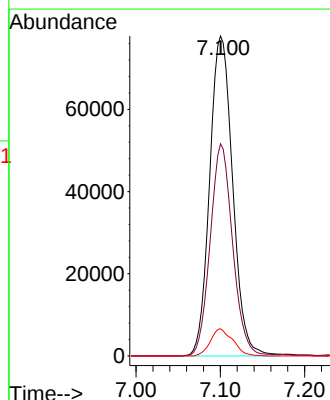
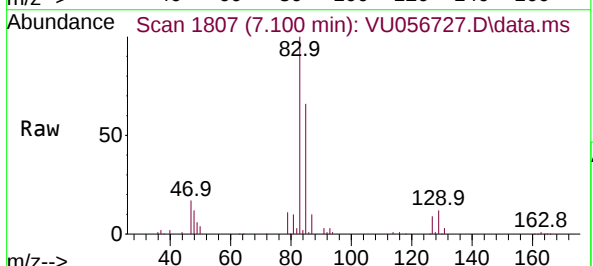
Instrument :
MSVOA_U
ClientSampleId :

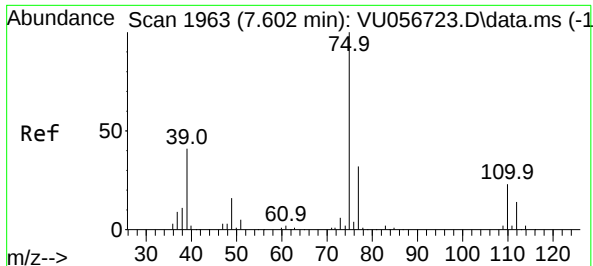
Tgt Ion: 63 Resp: 117683
Ion Ratio Lower Upper
63 100
112 3.6 3.3 4.9



#38
Bromodichloromethane
Concen: 4.877 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Tgt Ion: 83 Resp: 147643
Ion Ratio Lower Upper
83 100
85 66.3 45.0 83.6
127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 5.109 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

Instrument :

MSVOA_U

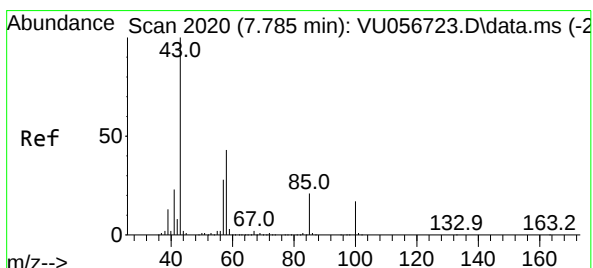
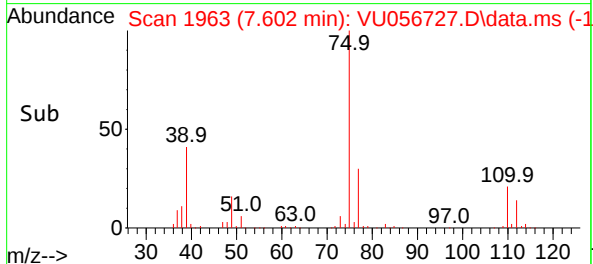
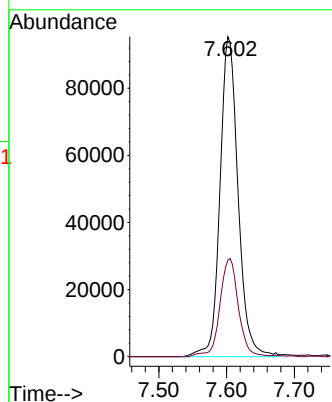
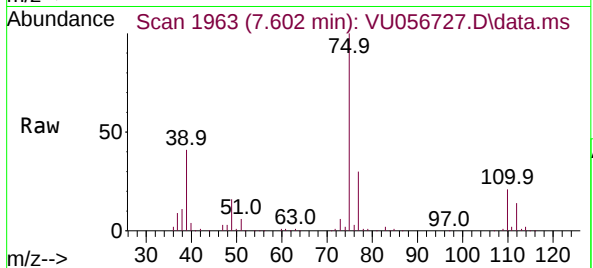
ClientSampleId :

Tgt Ion: 75 Resp: 176749

Ion Ratio Lower Upper

75 100

77 30.2 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 50.157 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

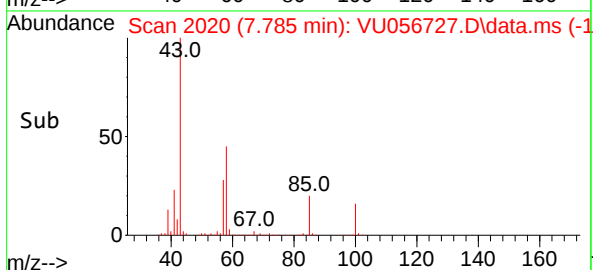
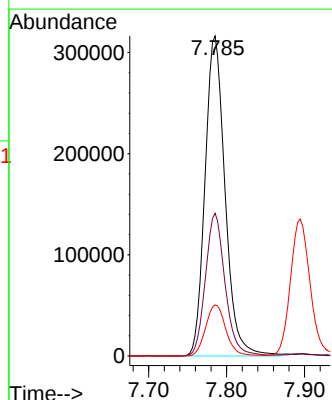
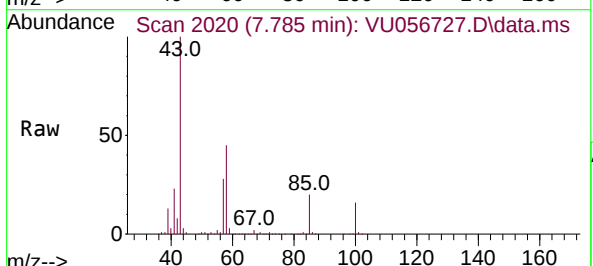
Tgt Ion: 43 Resp: 565389

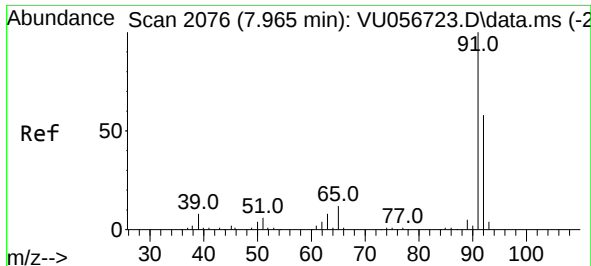
Ion Ratio Lower Upper

43 100

58 43.8 33.7 50.5

100 16.2 13.0 19.4





#42

Toluene

Concen: 5.078 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

Instrument :

MSVOA_U

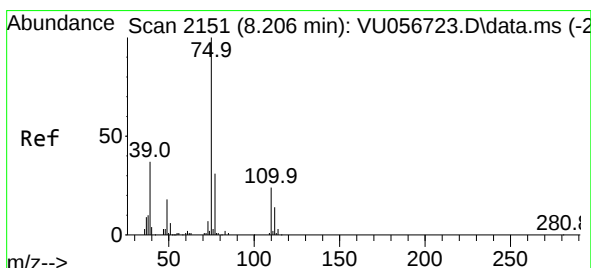
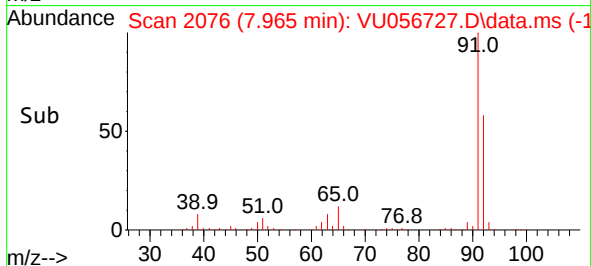
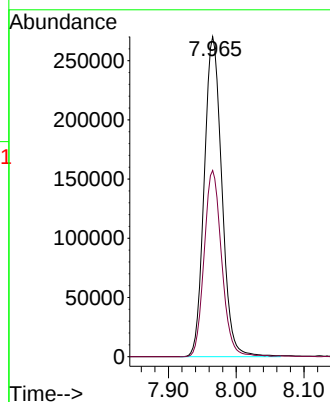
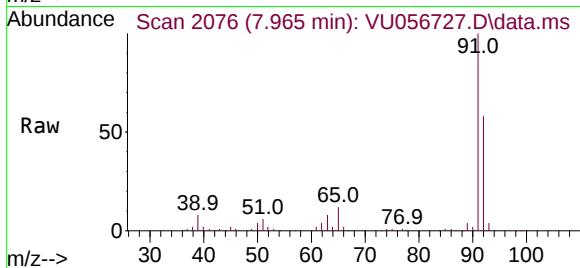
ClientSampleId :

Tgt Ion: 91 Resp: 487577

Ion Ratio Lower Upper

91 100

92 58.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.996 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056727.D

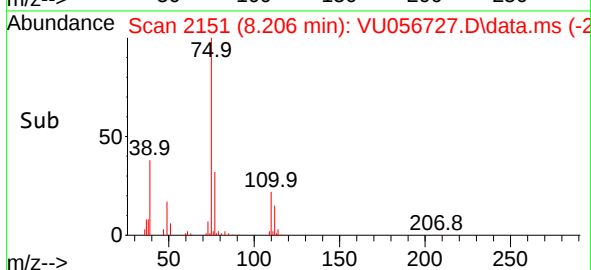
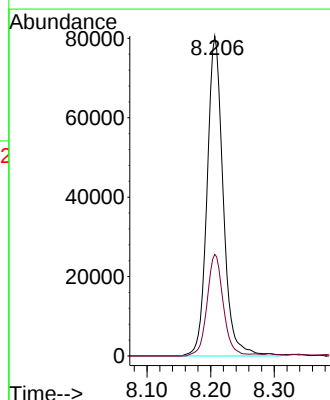
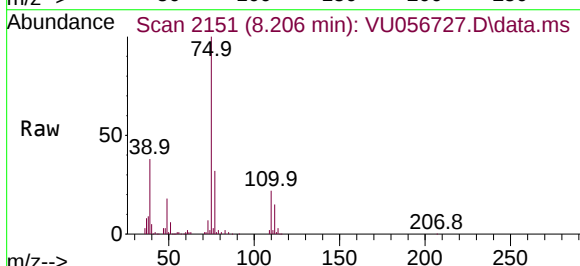
Acq: 11 Dec 2023 12:57

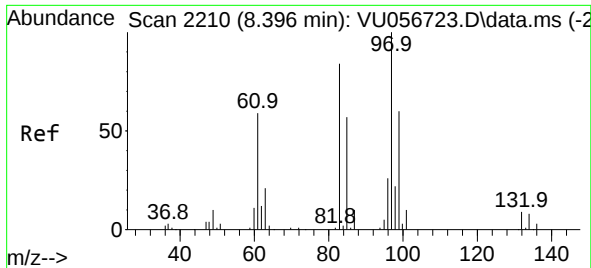
Tgt Ion: 75 Resp: 141662

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4

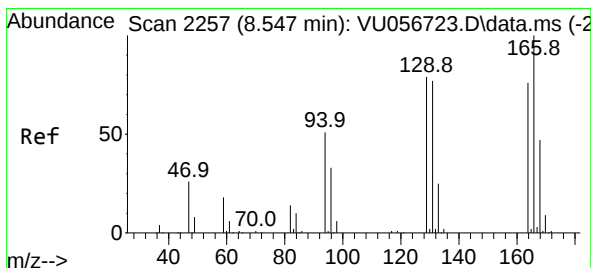
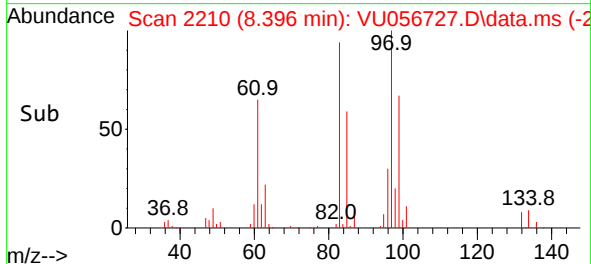
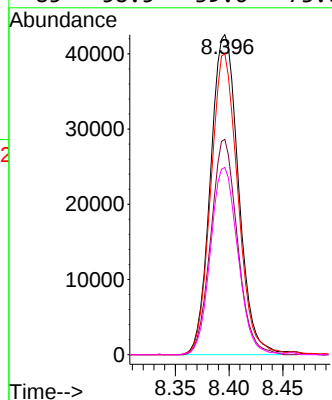
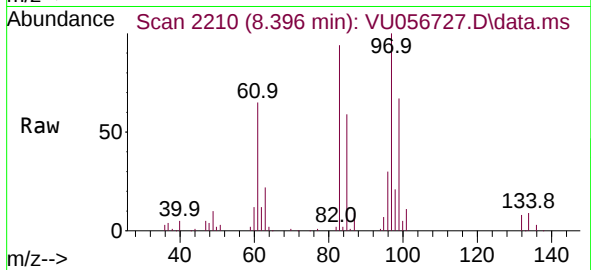




#45
1,1,2-Trichloroethane
Concen: 4.793 ug/L
RT: 8.396 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

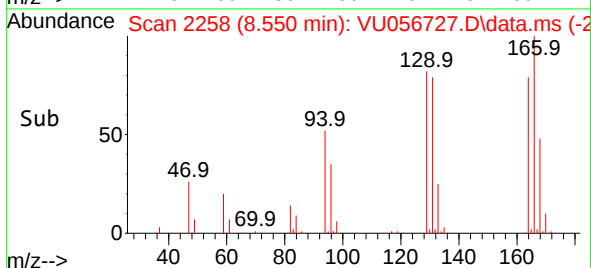
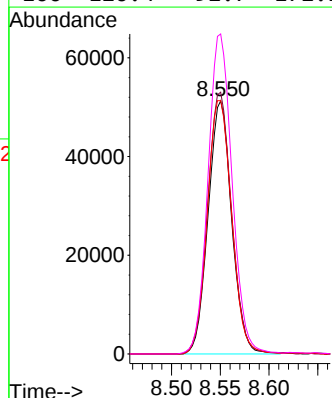
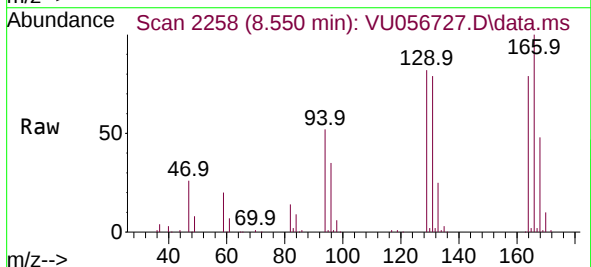
Instrument :
MSVOA_U
ClientSampleId :

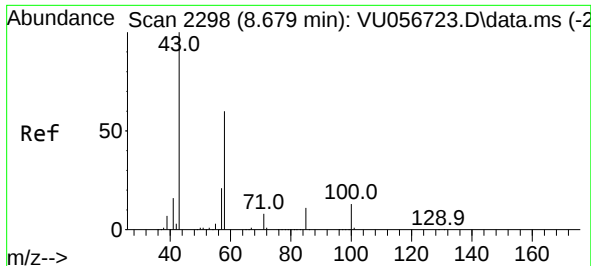
Tgt Ion:	97	Resp:	76922
Ion	Ratio	Lower	Upper
97	100		
99	67.3	41.9	77.9
83	94.1	59.1	109.7
85	58.5	39.6	73.6



#47
Tetrachloroethene
Concen: 4.835 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Tgt Ion:	164	Resp:	86133
Ion	Ratio	Lower	Upper
164	100		
129	103.4	73.4	136.4
131	100.0	71.5	132.9
166	126.4	92.7	172.1

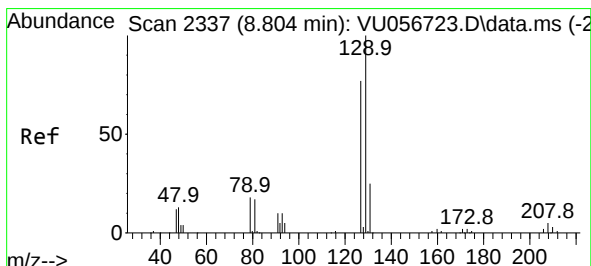
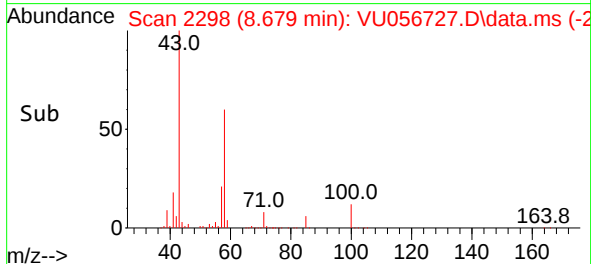
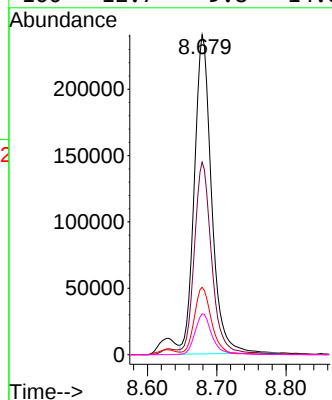
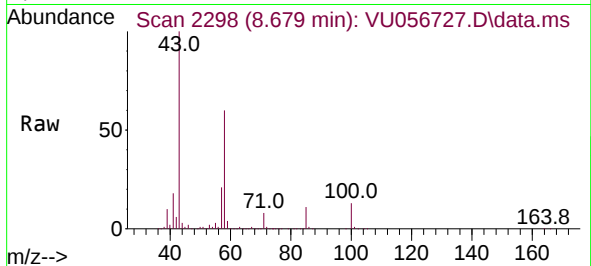




#48
2-Hexanone
Concen: 51.837 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

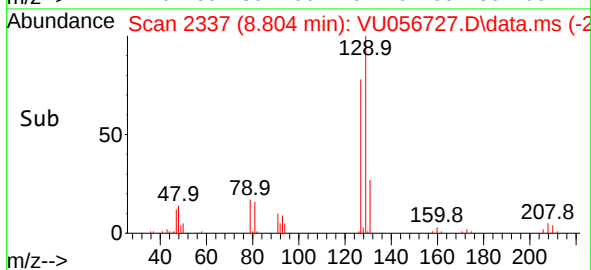
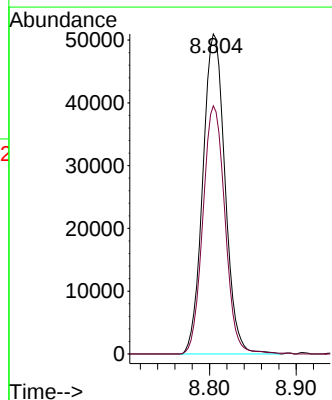
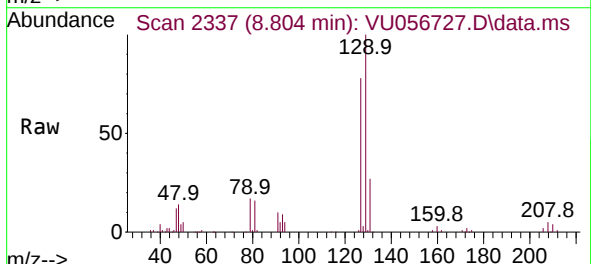
Instrument :
MSVOA_U
ClientSampleId :

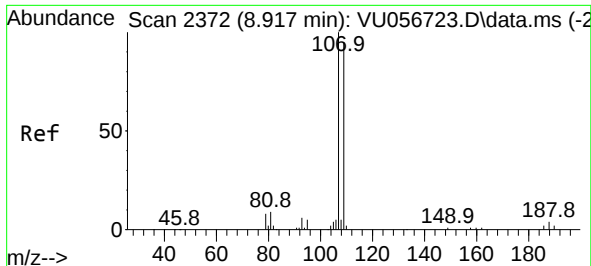
Tgt Ion: 43 Resp: 416172
Ion Ratio Lower Upper
43 100
58 60.9 47.5 71.3
57 21.2 17.0 25.4
100 12.7 9.8 14.8



#49
Dibromochloromethane
Concen: 4.913 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

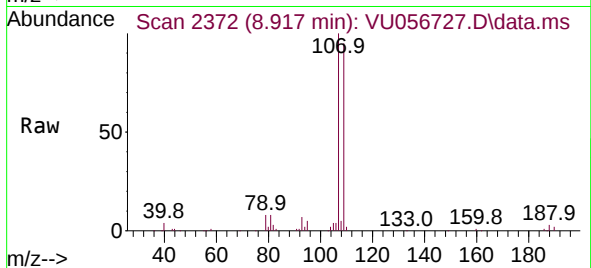
Tgt Ion: 129 Resp: 90634
Ion Ratio Lower Upper
129 100
127 77.6 53.9 100.1



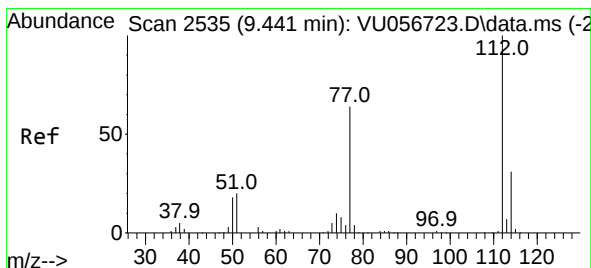
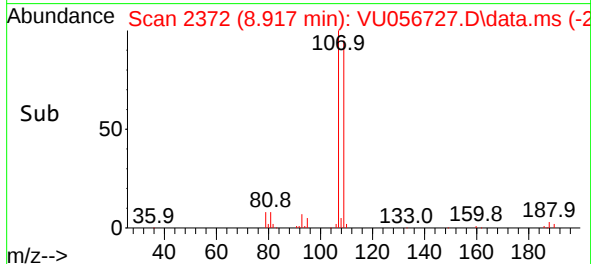
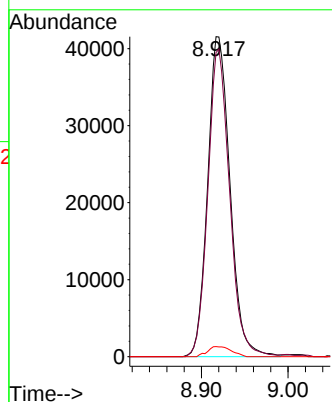


#50
1,2-Dibromoethane
Concen: 5.011 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Instrument :
MSVOA_U
ClientSampleId :

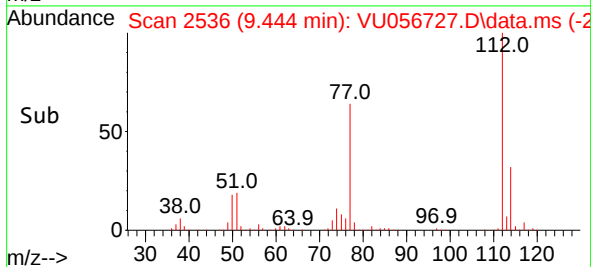
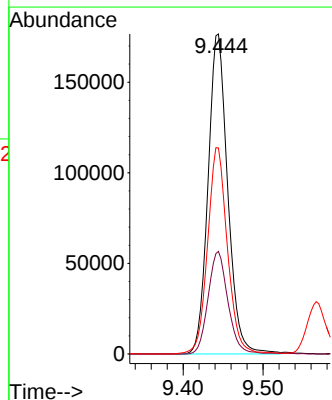
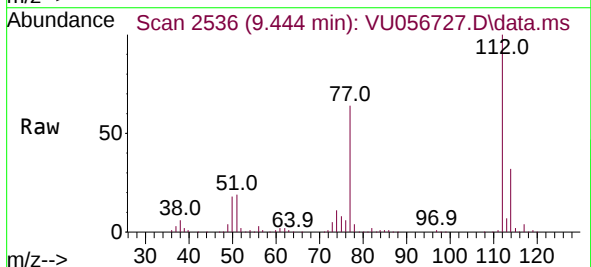


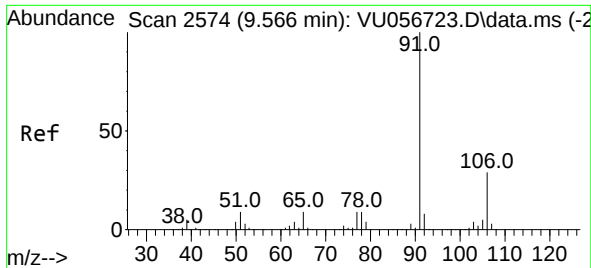
Tgt Ion:107 Resp: 74635
Ion Ratio Lower Upper
107 100
109 95.0 66.5 123.5
188 3.1 2.9 4.3



#51
Chlorobenzene
Concen: 4.944 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Tgt Ion:112 Resp: 302581
Ion Ratio Lower Upper
112 100
114 32.0 21.9 40.7
77 64.4 51.6 77.4

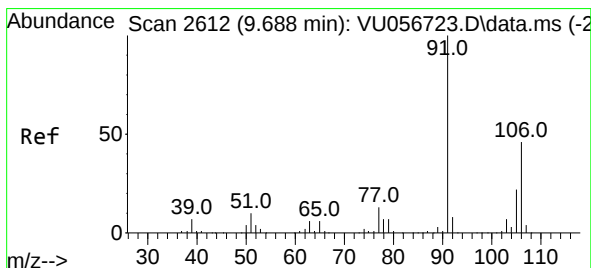
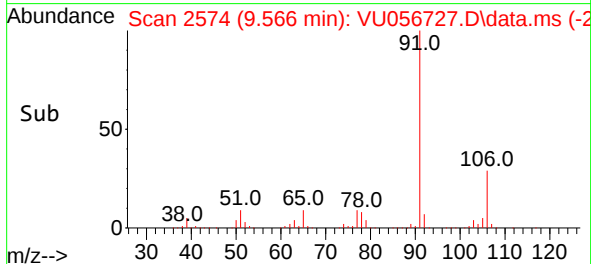
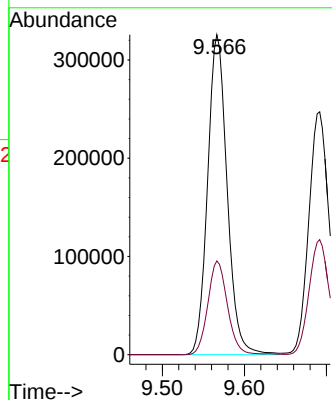
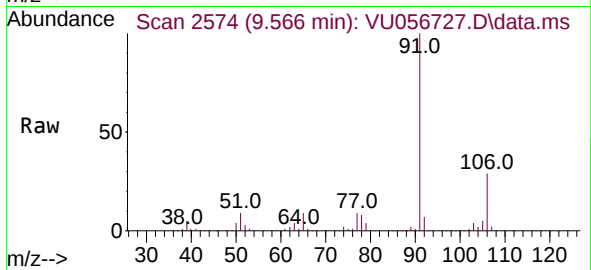




#52
Ethylbenzene
Concen: 5.093 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

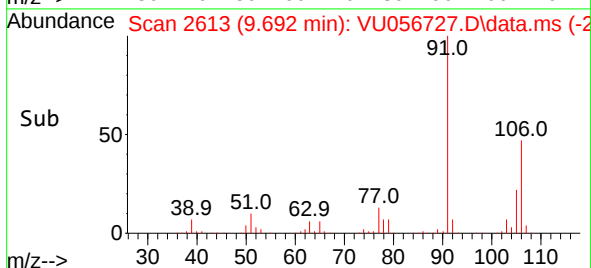
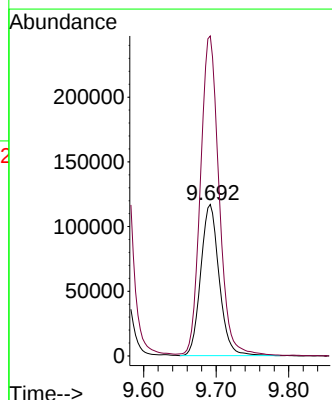
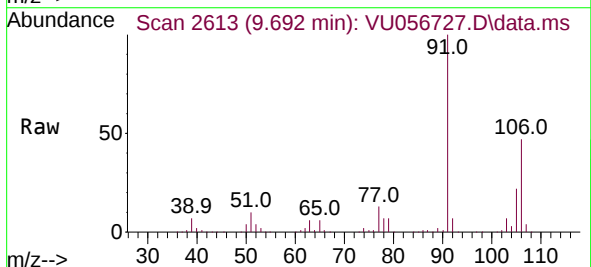
Instrument :
MSVOA_U
ClientSampleId :

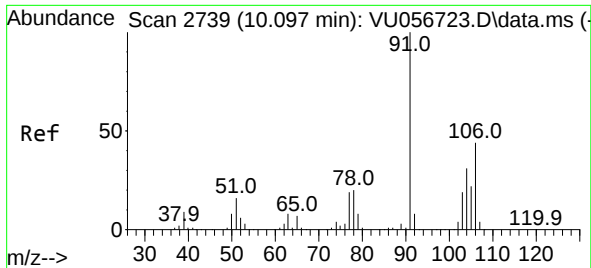
Tgt Ion: 91 Resp: 539495
Ion Ratio Lower Upper
91 100
106 29.3 20.6 38.4



#53
m,p-Xylene
Concen: 5.217 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Tgt Ion:106 Resp: 205896
Ion Ratio Lower Upper
106 100
91 211.2 154.0 286.0

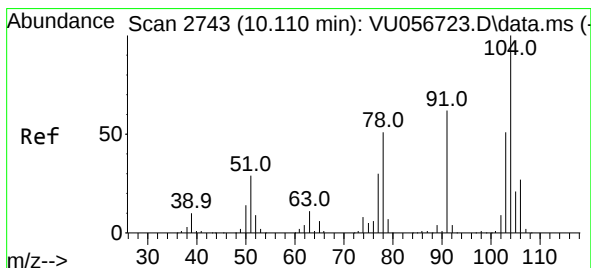
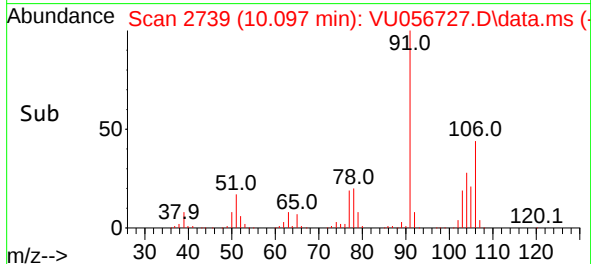
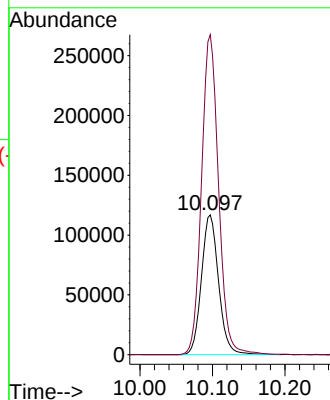
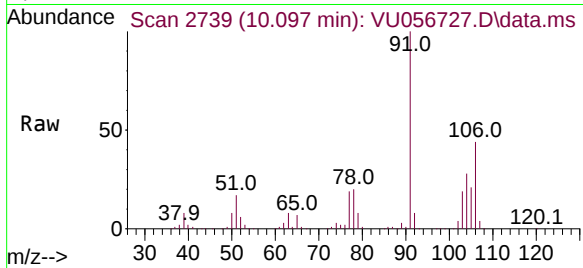




#54
o-Xylene
Concen: 5.112 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

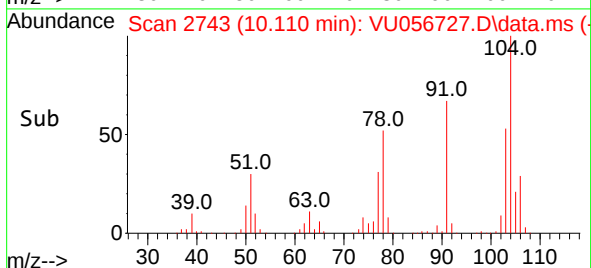
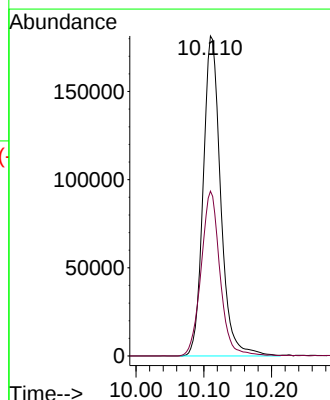
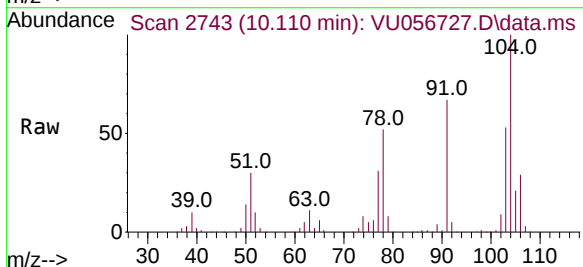
Instrument :
MSVOA_U
ClientSampleId :

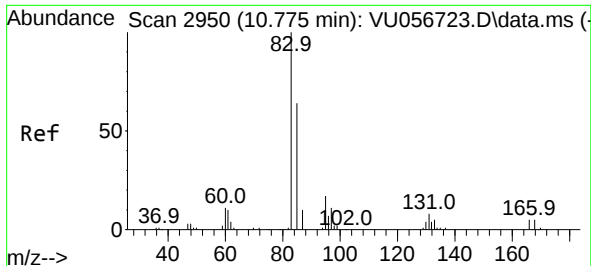
Tgt Ion:106 Resp: 192195
Ion Ratio Lower Upper
106 100
91 228.8 160.2 297.6



#55
Styrene
Concen: 5.277 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Tgt Ion:104 Resp: 325805
Ion Ratio Lower Upper
104 100
78 51.5 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.828 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

Instrument :

MSVOA_U

ClientSampleId :

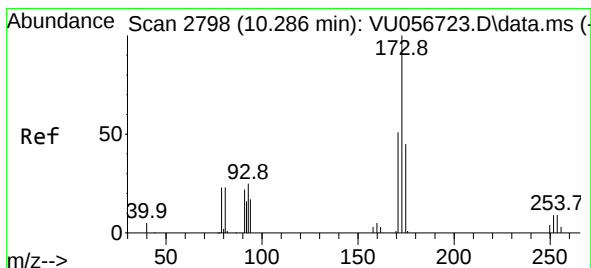
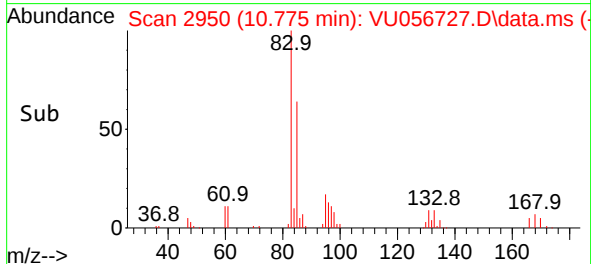
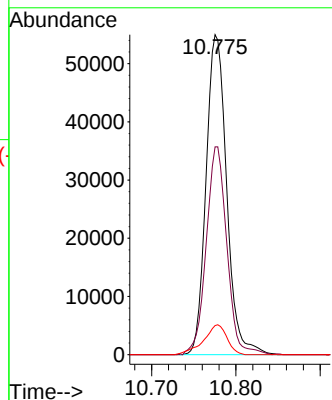
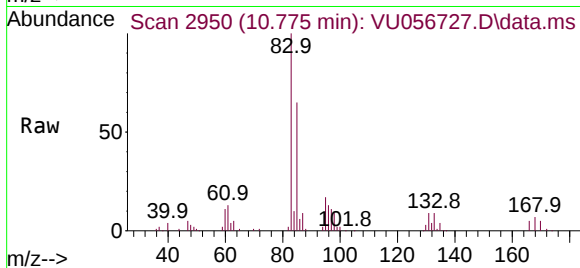
Tgt Ion: 83 Resp: 93617

Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.4

131 9.1 6.6 9.8



#59

Bromoform

Concen: 4.890 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

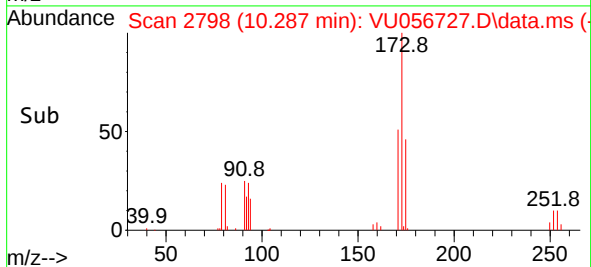
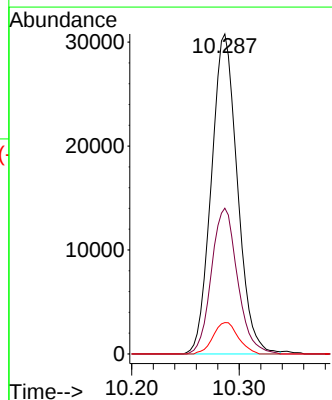
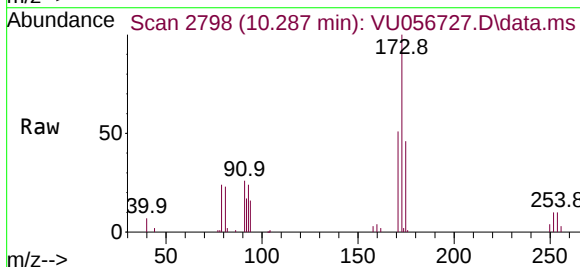
Tgt Ion:173 Resp: 51808

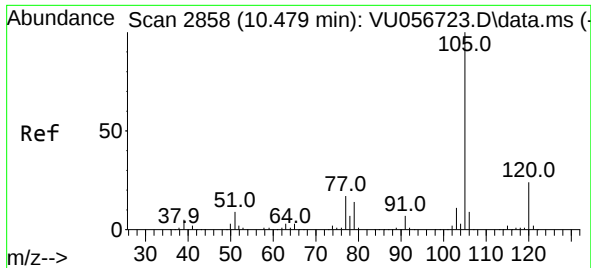
Ion Ratio Lower Upper

173 100

175 45.7 38.2 57.2

254 9.5 7.0 10.4

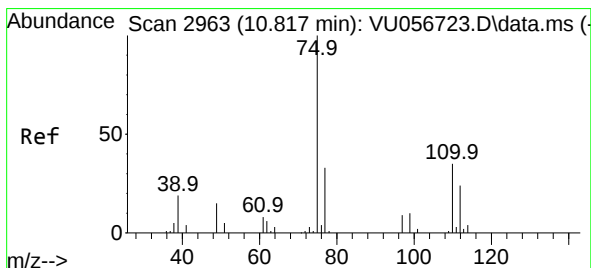
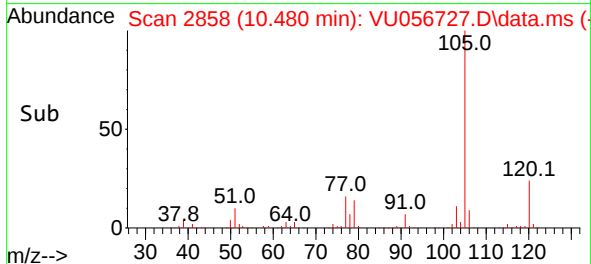
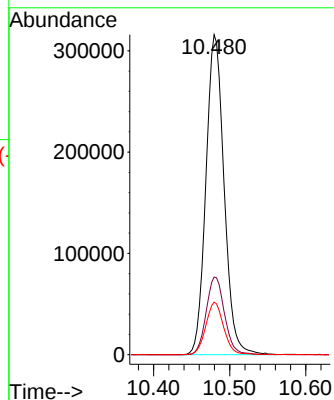
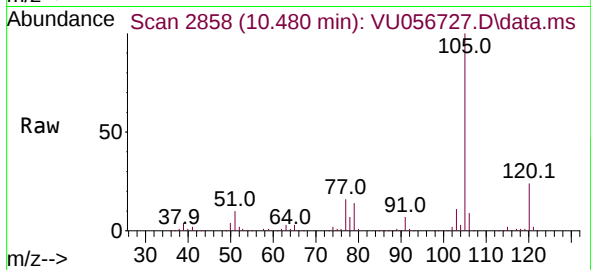




#60
Isopropylbenzene
Concen: 5.110 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

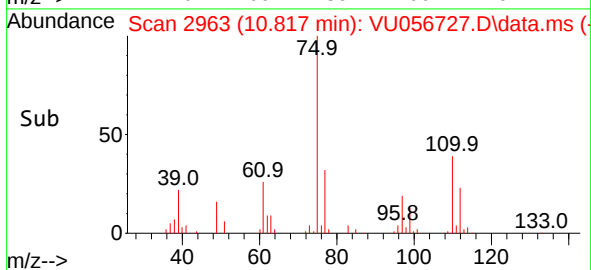
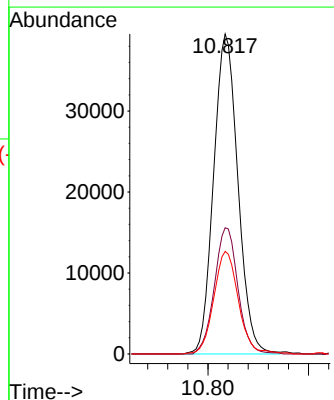
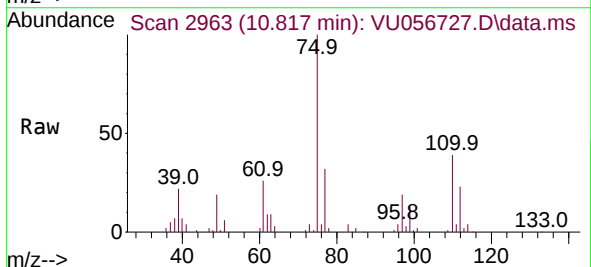
Instrument :
MSVOA_U
ClientSampleId :

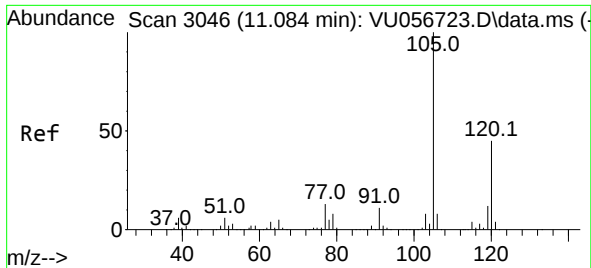
Tgt Ion:105 Resp: 523853
Ion Ratio Lower Upper
105 100
120 24.5 20.1 30.1
77 16.2 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.754 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Tgt Ion: 75 Resp: 66238
Ion Ratio Lower Upper
75 100
110 38.2 28.4 42.6
77 32.6 26.3 39.5

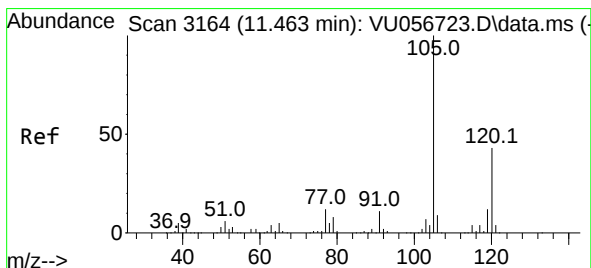
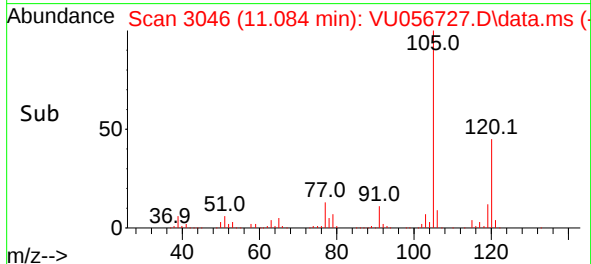
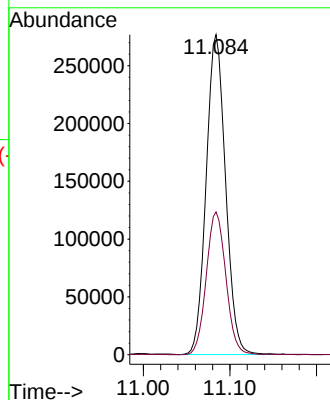
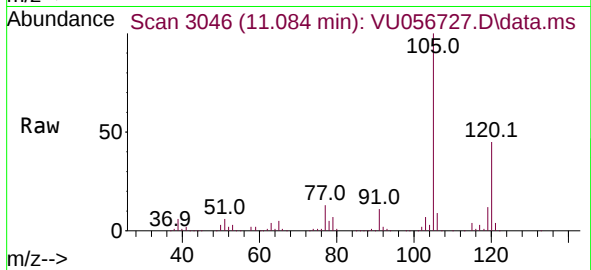




#62
 1,3,5-Trimethylbenzene
 Concen: 5.135 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU056727.D
 Acq: 11 Dec 2023 12:57

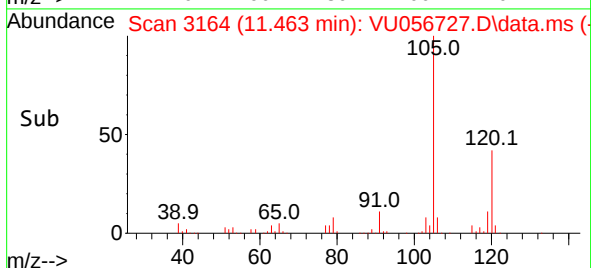
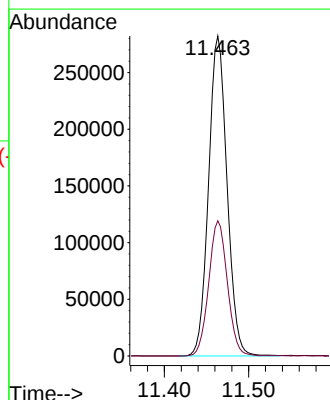
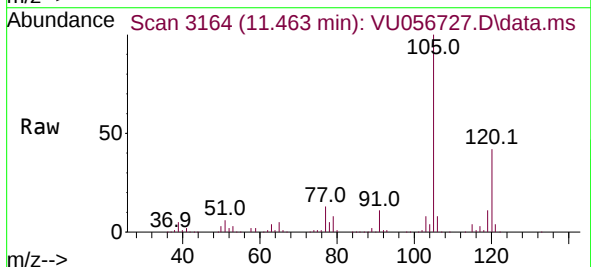
Instrument :
 MSVOA_U
 ClientSampleId :

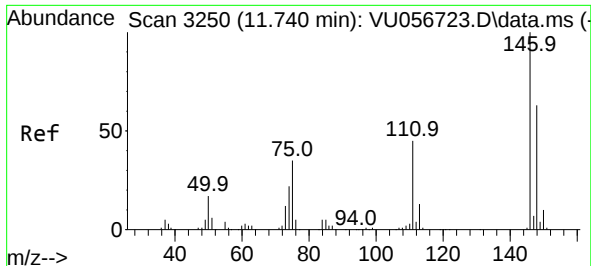
Tgt Ion:105 Resp: 430263
 Ion Ratio Lower Upper
 105 100
 120 45.1 36.8 55.2



#63
 1,2,4-Trimethylbenzene
 Concen: 5.172 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU056727.D
 Acq: 11 Dec 2023 12:57

Tgt Ion:105 Resp: 430402
 Ion Ratio Lower Upper
 105 100
 120 42.7 34.2 51.4

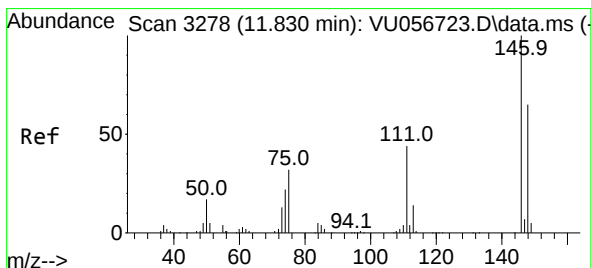
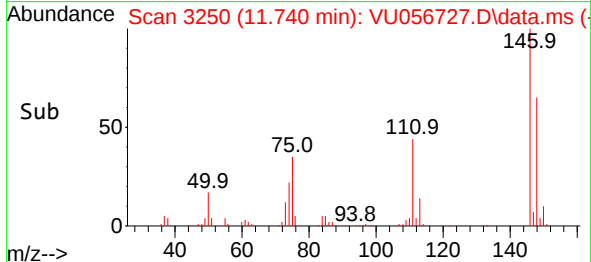
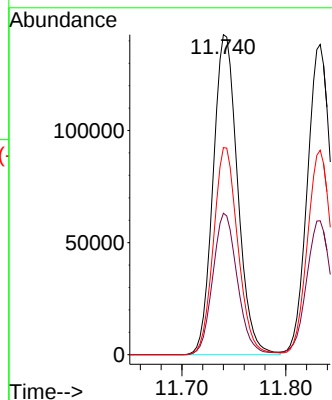
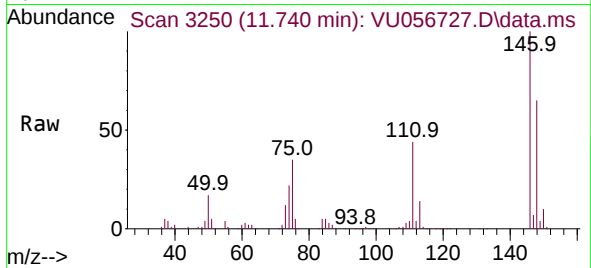




#64
1,3-Dichlorobenzene
Concen: 4.837 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

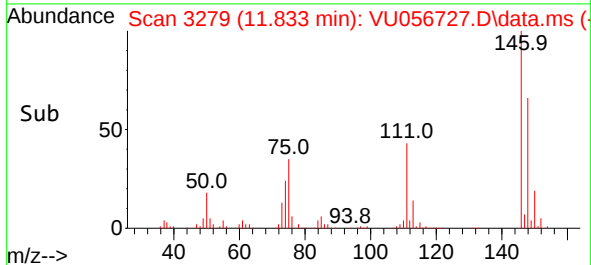
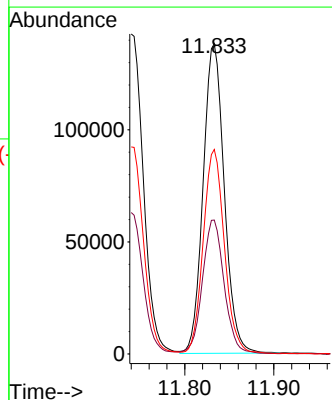
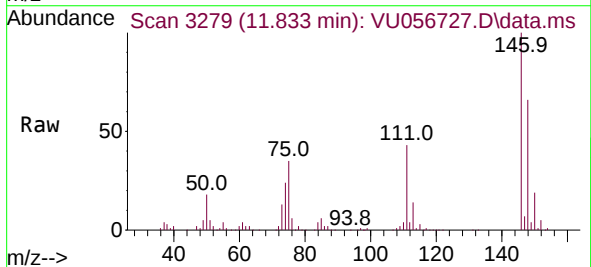
Instrument :
MSVOA_U
ClientSampleId :

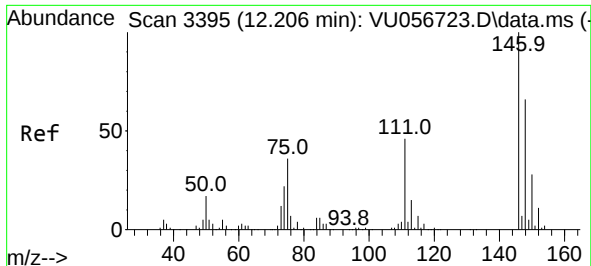
Tgt Ion:146 Resp: 234547
Ion Ratio Lower Upper
146 100
111 44.2 31.7 58.9
148 64.7 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.768 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU056727.D
Acq: 11 Dec 2023 12:57

Tgt Ion:146 Resp: 227676
Ion Ratio Lower Upper
146 100
111 43.2 31.2 58.0
148 65.9 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.766 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

Instrument :

MSVOA_U

ClientSampleId :

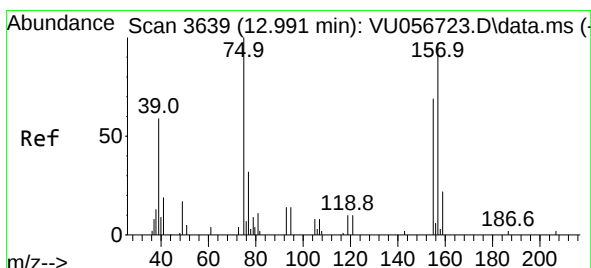
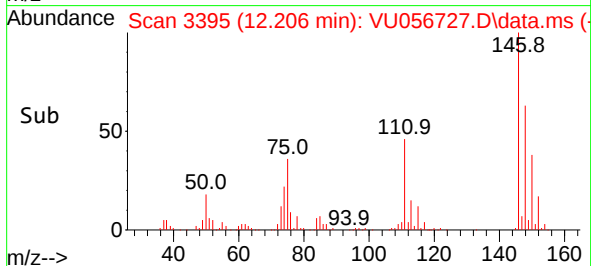
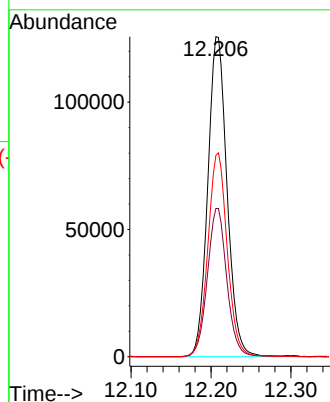
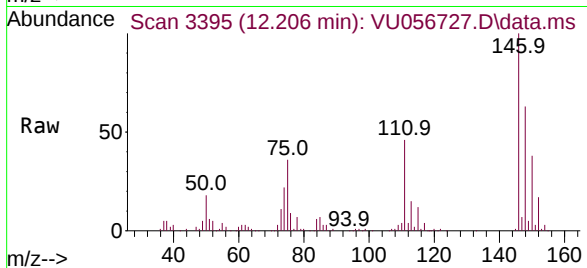
Tgt Ion:146 Resp: 210531

Ion Ratio Lower Upper

146 100

111 46.3 36.9 55.3

148 62.9 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.670 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

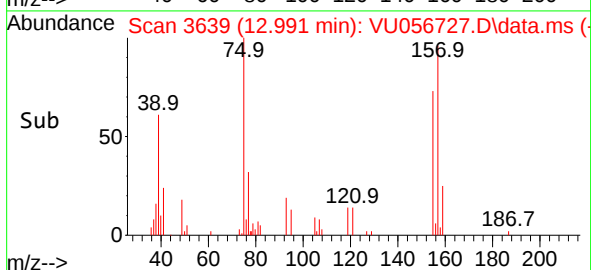
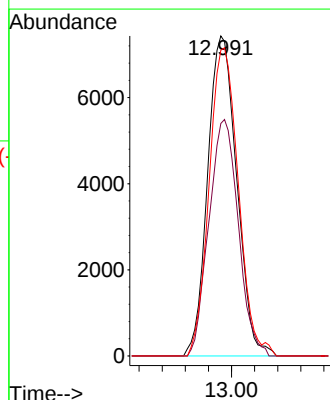
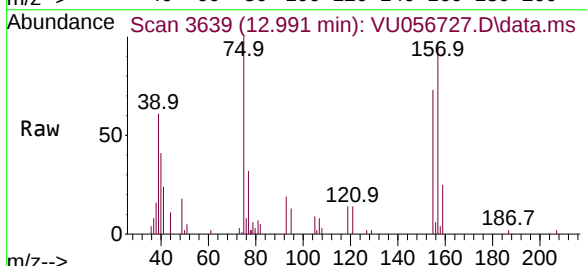
Tgt Ion: 75 Resp: 12991

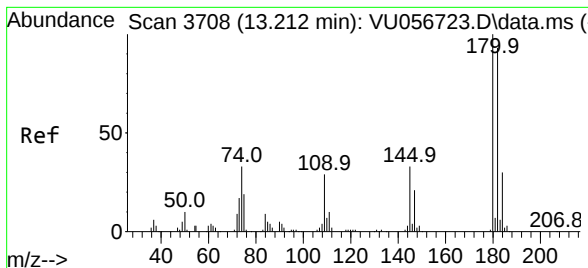
Ion Ratio Lower Upper

75 100

155 72.6 55.4 83.2

157 95.6 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 4.832 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.003 min

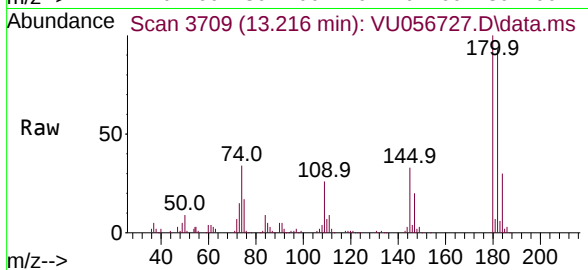
Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 177050

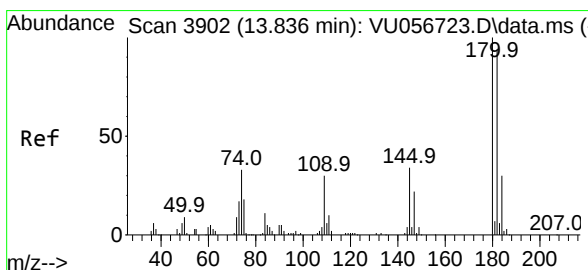
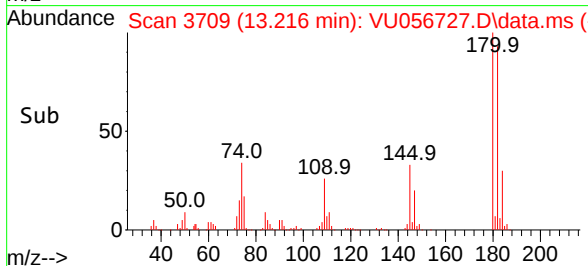
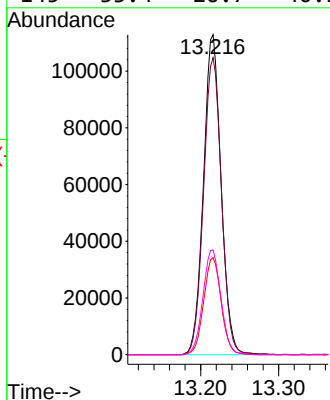
Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.4

184 30.1 24.6 37.0

145 33.4 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 4.860 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

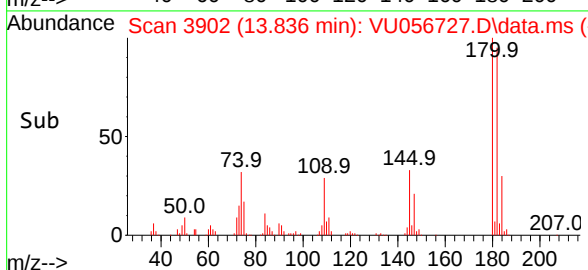
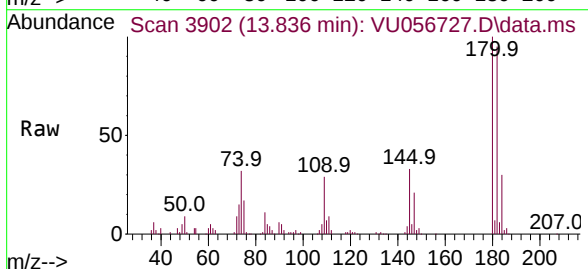
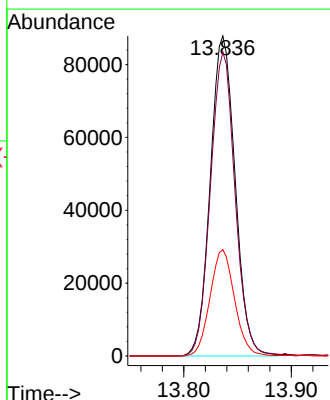
Tgt Ion:180 Resp: 141036

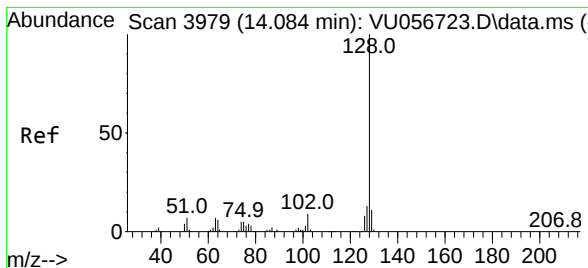
Ion Ratio Lower Upper

180 100

182 94.1 74.3 111.5

145 32.9 26.7 40.1





#71

Naphthalene

Concen: 4.810 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

Instrument :

MSVOA_U

ClientSampleId :

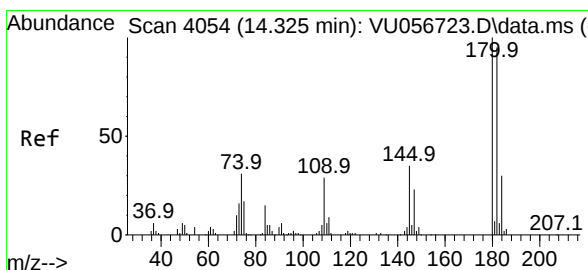
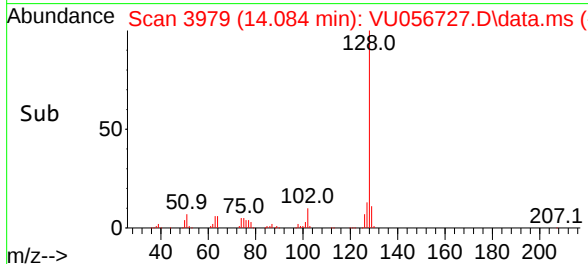
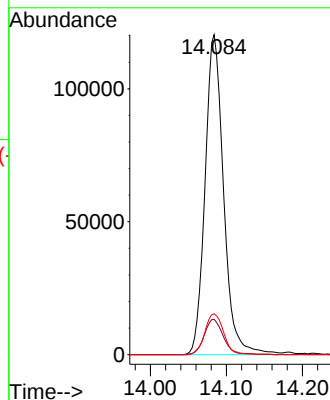
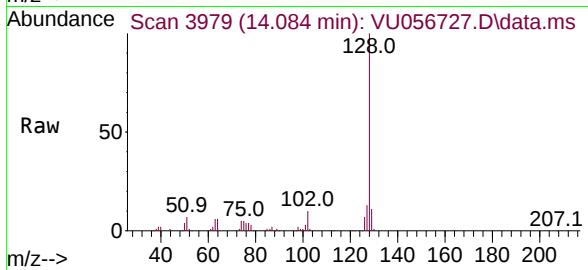
Tgt Ion:128 Resp: 204243

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

127 13.1 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.684 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU056727.D

Acq: 11 Dec 2023 12:57

Tgt Ion:180 Resp: 115401

Ion Ratio Lower Upper

180 100

182 95.6 75.0 112.6

145 36.4 28.6 42.8

