

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121123\
 Data File : VU056725.D
 Acq On : 11 Dec 2023 11:53
 Operator : MD/SY
 Sample : VSTD02009
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 00:39:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 12 00:37:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	266095	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	260892	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	135057	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	460645	20.196	ug/L	0.00
7) Chloroethane-d5	1.908	69	321991	18.865	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	203078	20.810	ug/L	0.00
20) 2-Butanone-d5	4.615	46	1030259	228.723	ug/L	0.00
24) Chloroform-d	5.055	84	907885	21.020	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	430641	21.070	ug/L	0.00
32) Benzene-d6	5.721	84	1757526	21.719	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	541143	21.365	ug/L	0.00
41) Toluene-d8	7.891	98	1593096	22.027	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	221535	22.554	ug/L	0.00
46) 2-Hexanone-d5	8.624	63	953284	259.749	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	403550	22.021	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	549268	20.689	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	535516	19.206	ug/L	98
3) Chloromethane	1.515	50	514636	18.771	ug/L	99
5) Vinyl chloride	1.602	62	529712	19.456	ug/L	100
6) Bromomethane	1.853	94	297969	18.562	ug/L	96
8) Chloroethane	1.930	64	276804	17.355	ug/L	97
9) Trichlorofluoromethane	2.133	101	740653	19.303	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	451180	19.171	ug/L	98
12) 1,1-Dichloroethene	2.576	96	419890	19.436	ug/L	95
13) Acetone	2.628	43	548885	199.955	ug/L	100
14) Carbon disulfide	2.789	76	1448101	19.320	ug/L	100
15) Methyl Acetate	2.943	43	149375	19.966	ug/L	99
16) Methylene chloride	3.039	84	442860	18.816	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	1010341	21.092	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	444740	20.304	ug/L	98
19) 1,1-Dichloroethane	3.862	63	838853	19.909	ug/L	97
21) 2-Butanone	4.695	43	966898	218.893	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	486914	20.433	ug/L	99
23) Bromochloromethane	4.965	128	196347	19.682	ug/L	97
25) Chloroform	5.078	83	856801	19.412	ug/L	99
27) 1,2-Dichloroethane	5.785	62	516260	19.778	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	763541	20.246	ug/L	100
30) Cyclohexane	5.383	56	766416	21.654	ug/L	99
31) Carbon tetrachloride	5.518	117	664114	20.261	ug/L	99
33) Benzene	5.766	78	1855731	20.240	ug/L	100
34) Trichloroethene	6.534	95	506947	20.156	ug/L	98
35) Methylcyclohexane	6.756	83	813996	21.931	ug/L	97
37) 1,2-Dichloropropane	6.782	63	478969	20.421	ug/L	99
38) Bromodichloromethane	7.097	83	607128	20.298	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	748492	21.896	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	2406432	216.073	ug/L	98
42) Toluene	7.962	91	1991458	20.991	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	601445	21.467	ug/L	99

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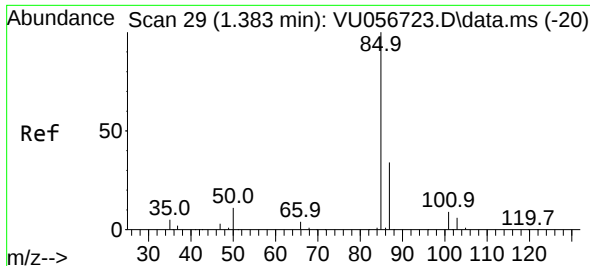
Quant Time: Dec 12 00:39:58 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	318309	20.074	ug/L	96
47) Tetrachloroethene	8.547	164	354688	20.151	ug/L	97
48) 2-Hexanone	8.679	43	1754538	221.193	ug/L	98
49) Dibromochloromethane	8.804	129	371987	20.410	ug/L	99
50) 1,2-Dibromoethane	8.917	107	302793	20.575	ug/L	99
51) Chlorobenzene	9.441	112	1234777	20.421	ug/L	98
52) Ethylbenzene	9.563	91	2282003	21.806	ug/L	99
53) m,p-Xylene	9.689	106	861511	22.096	ug/L	97
54) o-Xylene	10.094	106	815239	21.947	ug/L	100
55) Styrene	10.110	104	1401353	22.974	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	392832	20.506	ug/L	97
59) Bromoform	10.283	173	217150	19.692	ug/L	99
60) Isopropylbenzene	10.480	105	2248434	21.072	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	268930	18.545	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	1931199	22.144	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	1909925	22.051	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	989826	19.610	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	976864	19.654	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	888669	19.326	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	61377	21.199	ug/L	97
69) 1,3,5-Trichlorobenzene	13.213	180	749406	19.649	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	618625	20.482	ug/L	98
71) Naphthalene	14.081	128	954580	21.597	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	502193	19.585	ug/L	97

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

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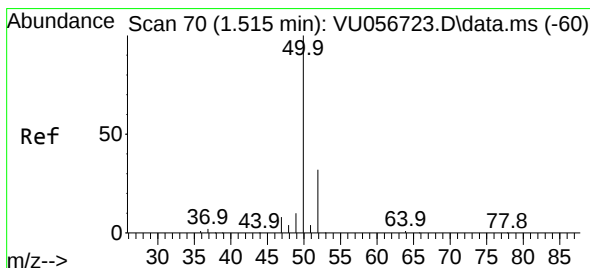
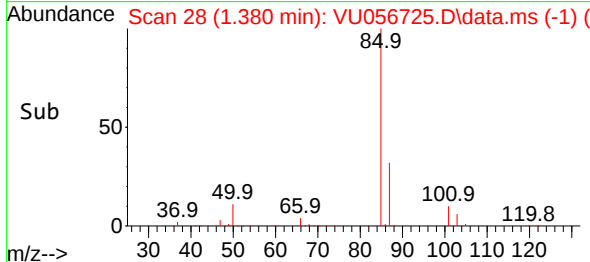
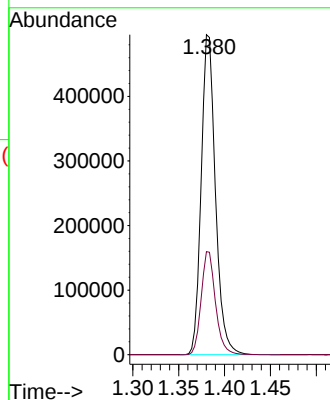
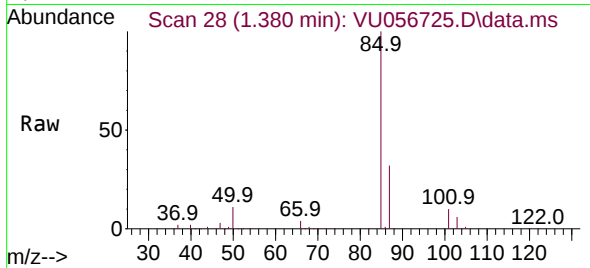




#2
 Dichlorodifluoromethane
 Concen: 19.206 ug/L
 RT: 1.380 min Scan# 29
 Delta R.T. -0.003 min
 Lab File: VU056725.D
 Acq: 11 Dec 2023 11:53

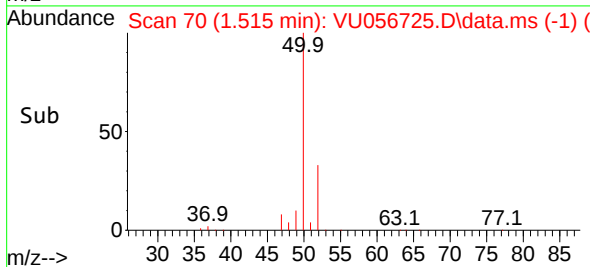
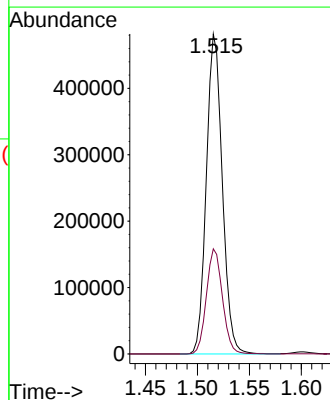
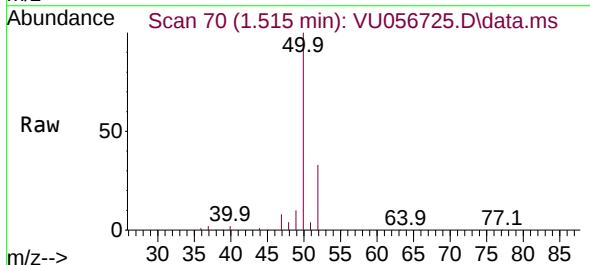
Instrument :
 MSVOA_U
 ClientSampleId :

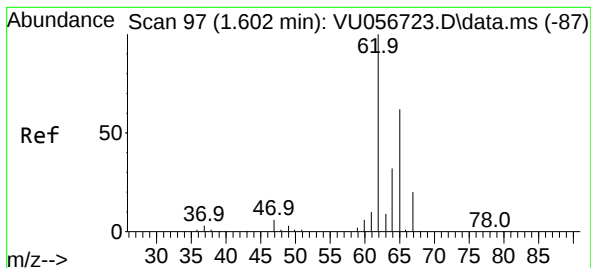
Tgt Ion: 85 Resp: 535516
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.8 40.2



#3
 Chloromethane
 Concen: 18.771 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU056725.D
 Acq: 11 Dec 2023 11:53

Tgt Ion: 50 Resp: 514636
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.5 41.7





#5

Vinyl chloride

Concen: 19.456 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

Instrument :

MSVOA_U

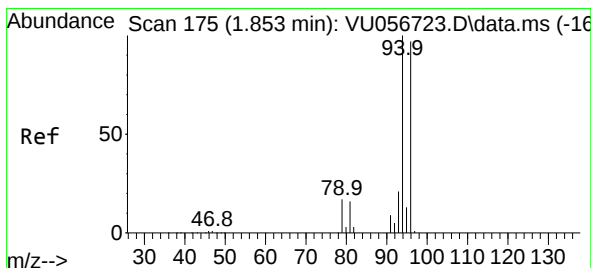
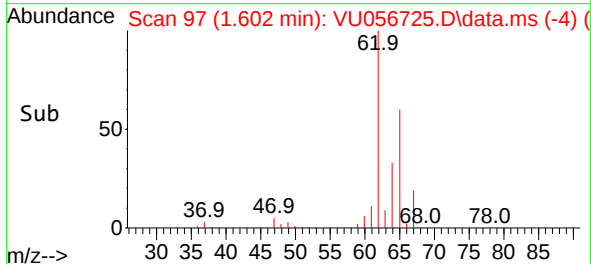
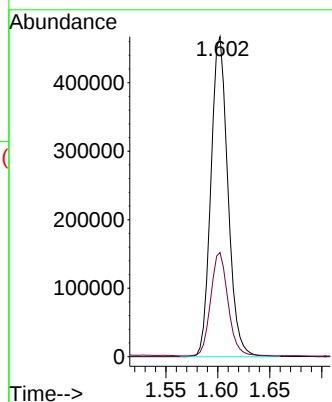
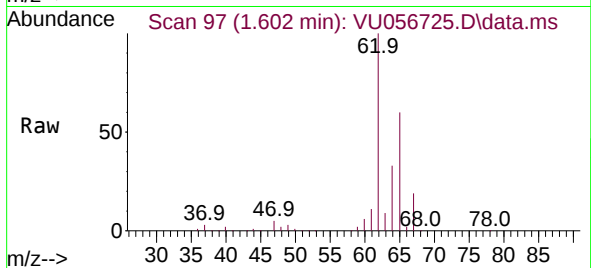
ClientSampleId :

Tgt Ion: 62 Resp: 529712

Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4



#6

Bromomethane

Concen: 18.562 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU056725.D

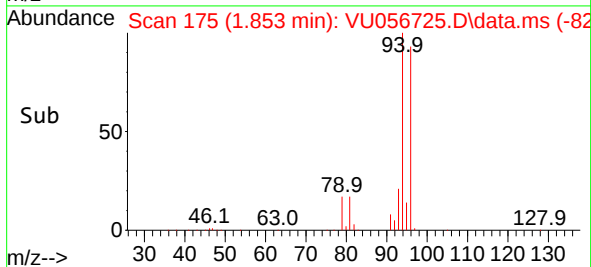
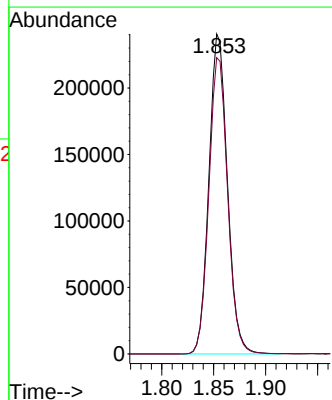
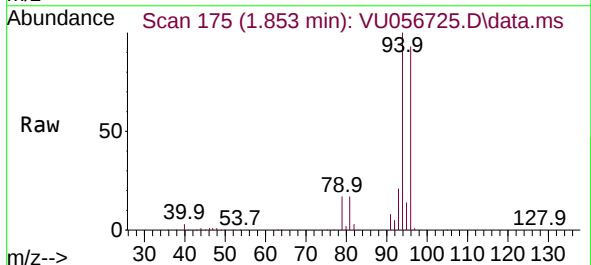
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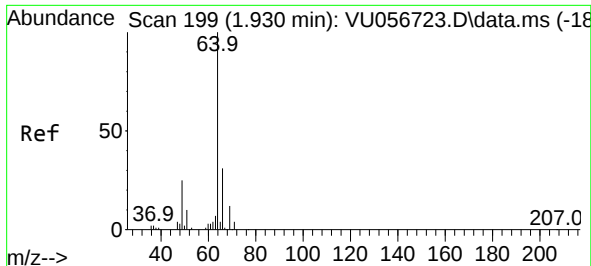
Tgt Ion: 94 Resp: 297969

Ion Ratio Lower Upper

94 100

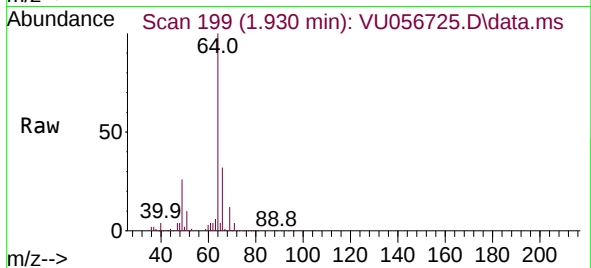
96 92.6 67.8 125.8



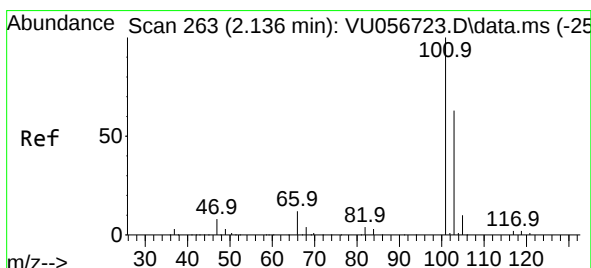
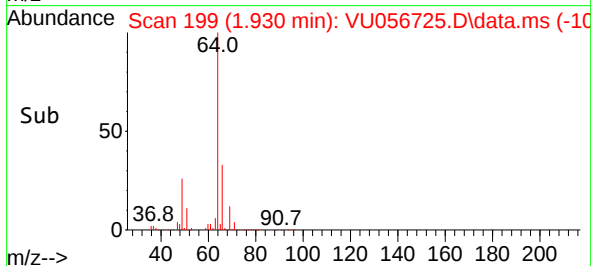
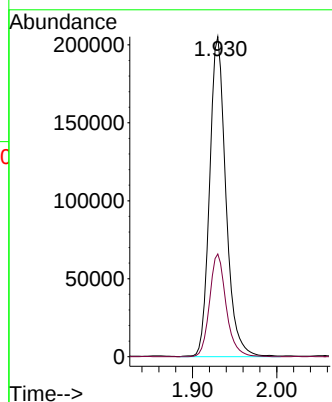


#8
Chloroethane
Concen: 17.355 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Instrument :
MSVOA_U
ClientSampleId :

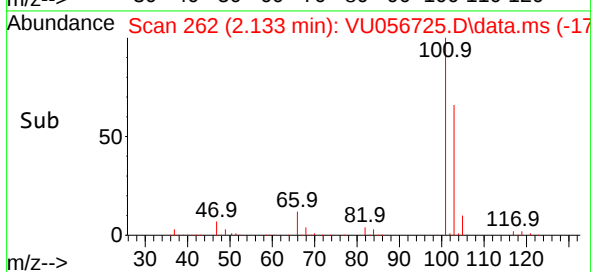
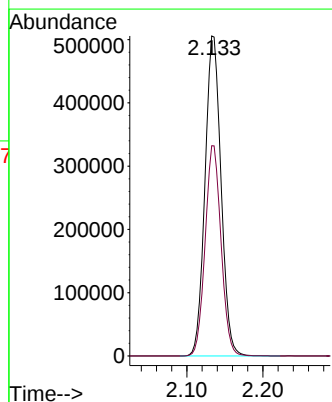
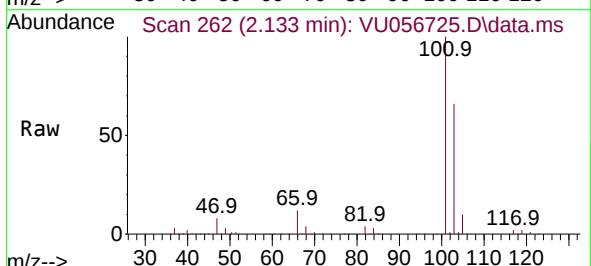


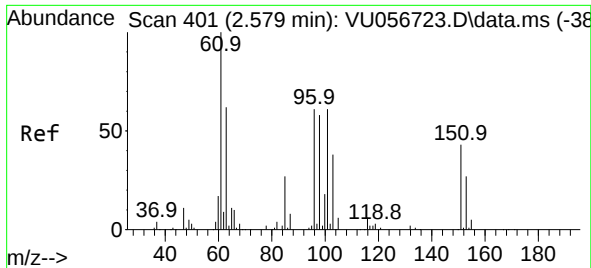
Tgt Ion: 64 Resp: 276804
Ion Ratio Lower Upper
64 100
66 32.1 21.4 39.8



#9
Trichlorofluoromethane
Concen: 19.303 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Tgt Ion:101 Resp: 740653
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.2

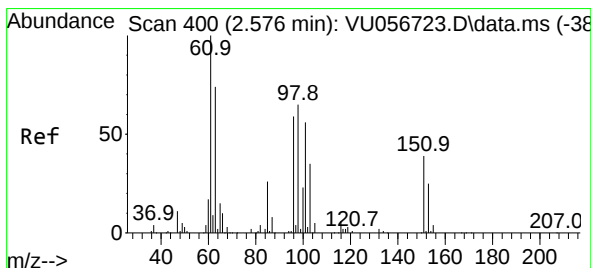
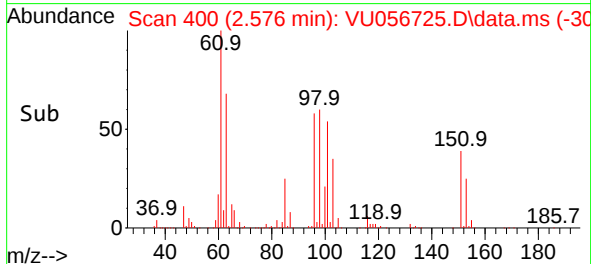
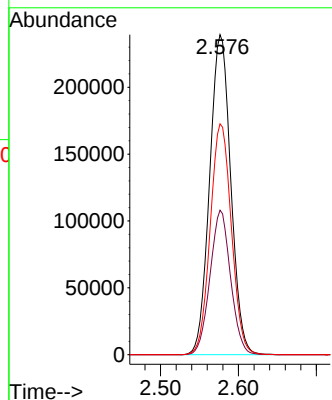
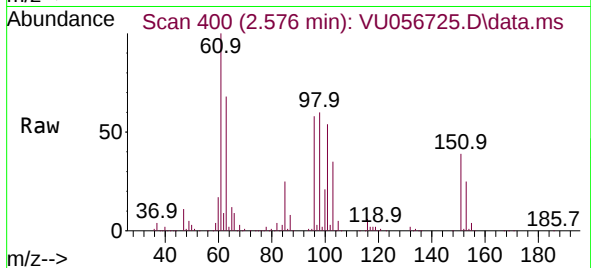




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 19.171 ug/L
RT: 2.576 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

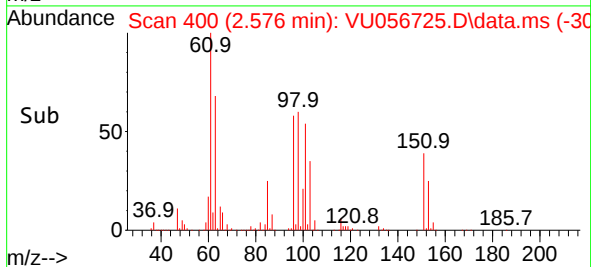
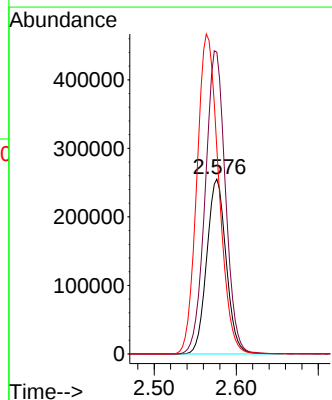
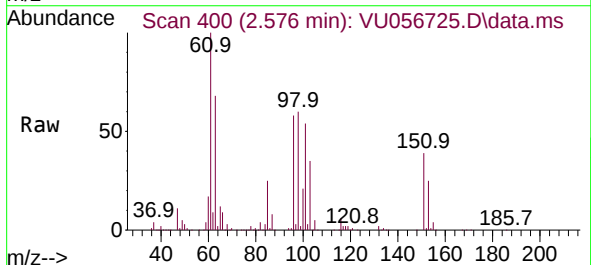
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MSVOA_U
ClientSampleId :

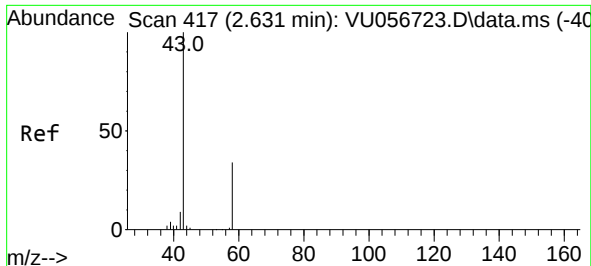
Tgt Ion:101 Resp: 451180
Ion Ratio Lower Upper
101 100
85 43.9 35.2 52.8
151 72.3 56.0 84.0



#12
1,1-Dichloroethene
Concen: 19.436 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Tgt Ion: 96 Resp: 419890
Ion Ratio Lower Upper
96 100
61 172.4 119.0 221.0
63 117.3 88.7 164.7





#13

Acetone

Concen: 199.955 ug/L

RT: 2.628 min Scan# 417

Delta R.T. -0.003 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

Instrument :

MSVOA_U

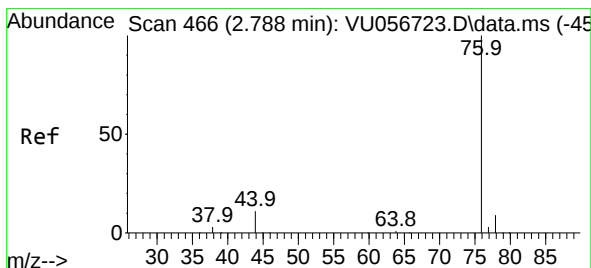
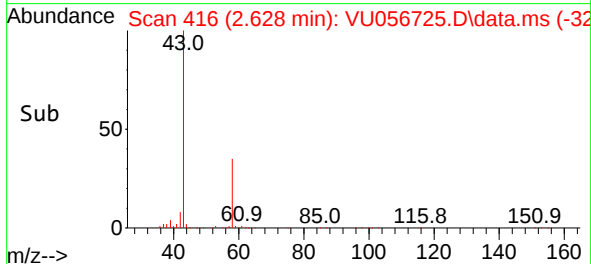
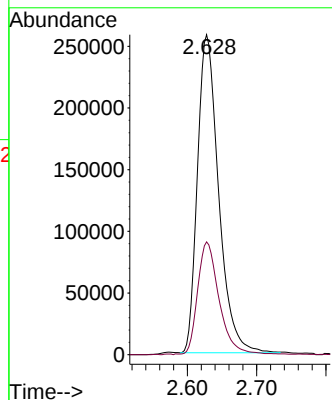
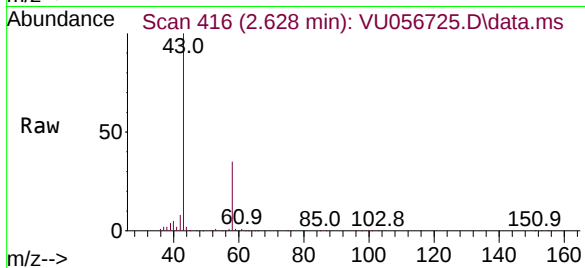
ClientSampleId :

Tgt Ion: 43 Resp: 548885

Ion Ratio Lower Upper

43 100

58 36.2 0.0 72.6



#14

Carbon disulfide

Concen: 19.320 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU056725.D

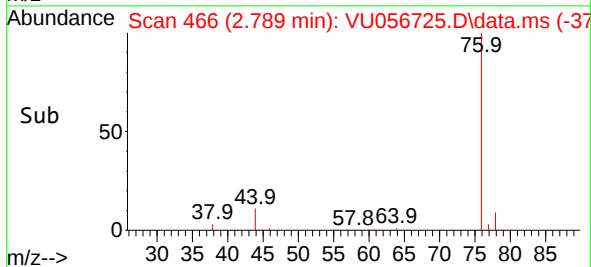
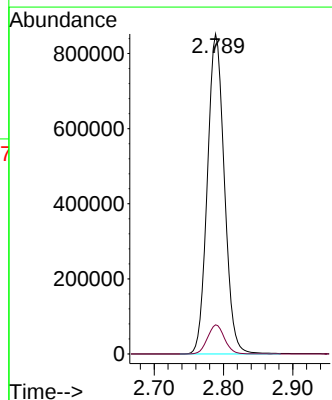
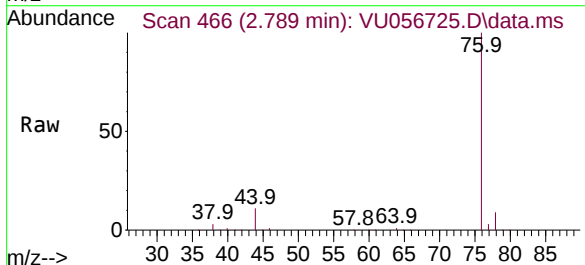
Acq: 11 Dec 2023 11:53

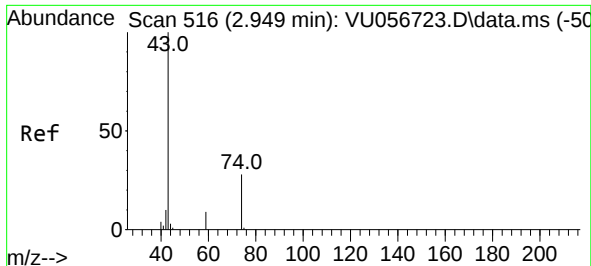
Tgt Ion: 76 Resp: 1448101

Ion Ratio Lower Upper

76 100

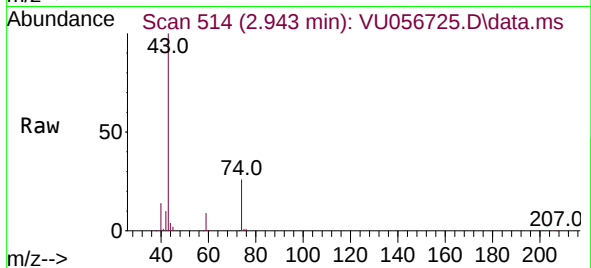
78 9.1 7.3 10.9



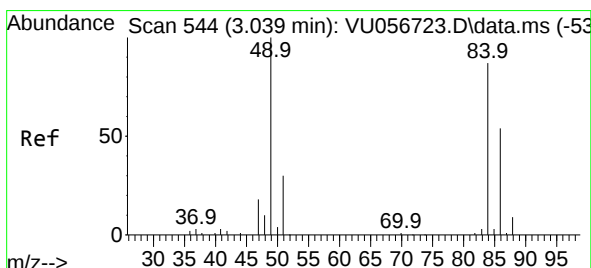
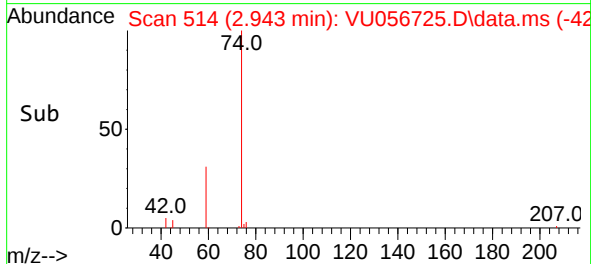
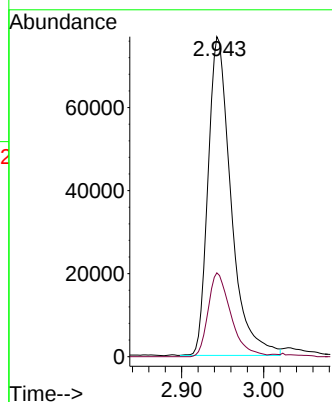


#15
Methyl Acetate
Concen: 19.966 ug/L
RT: 2.943 min Scan# 516
Delta R.T. -0.006 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Instrument :
MSVOA_U
ClientSampleId :

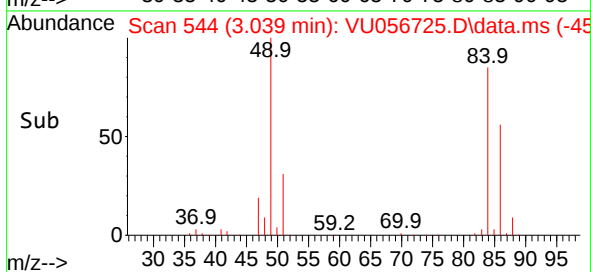
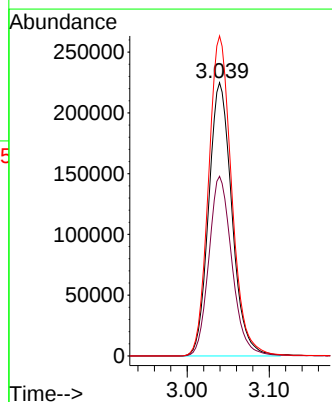
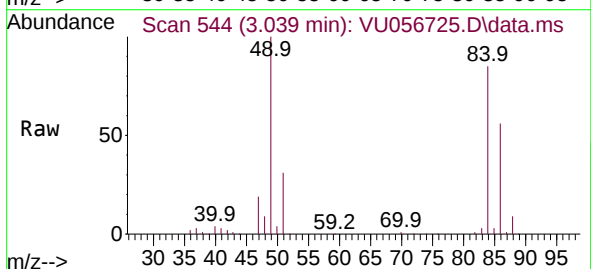


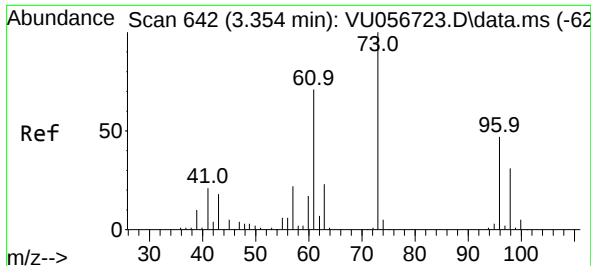
Tgt Ion: 43 Resp: 149375
Ion Ratio Lower Upper
43 100
74 26.0 21.0 31.6



#16
Methylene chloride
Concen: 18.816 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Tgt Ion: 84 Resp: 442860
Ion Ratio Lower Upper
84 100
86 65.8 43.6 81.0
49 117.1 80.6 149.6

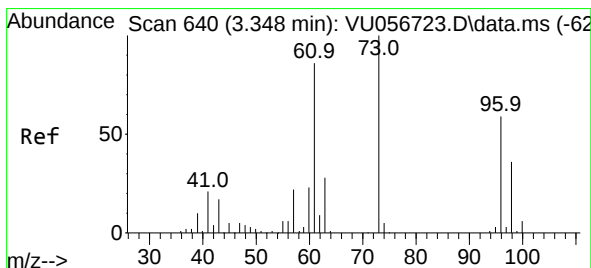
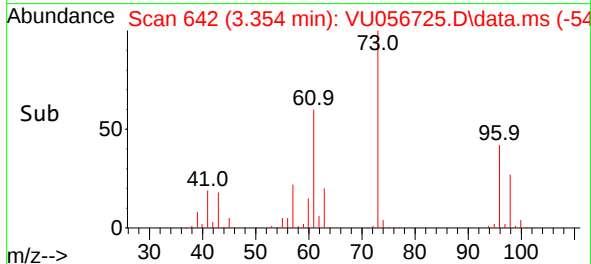
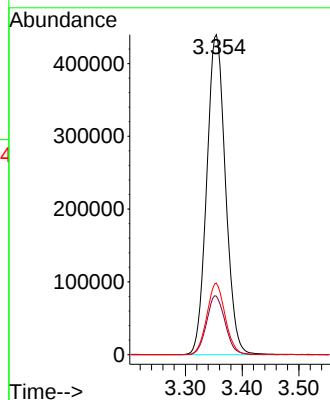
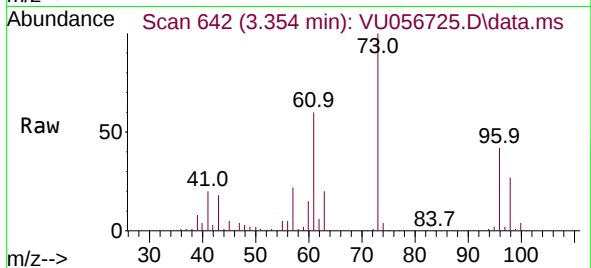




#17
Methyl tert-butyl Ether
Concen: 21.092 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

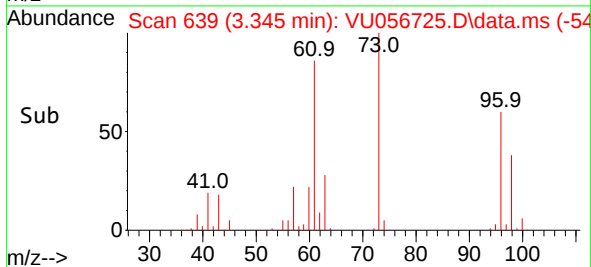
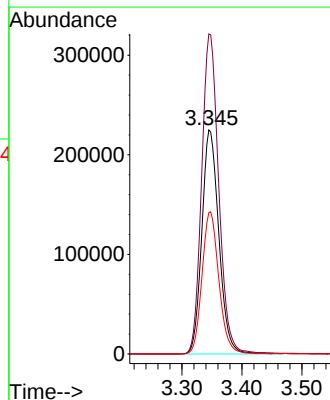
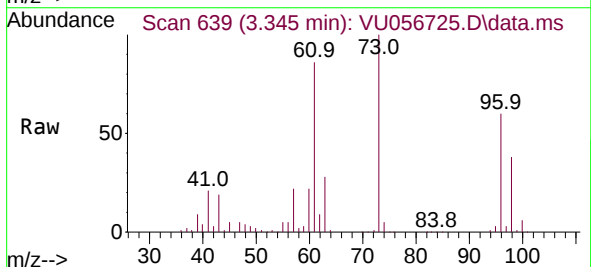
Instrument :
MSVOA_U
ClientSampleId :

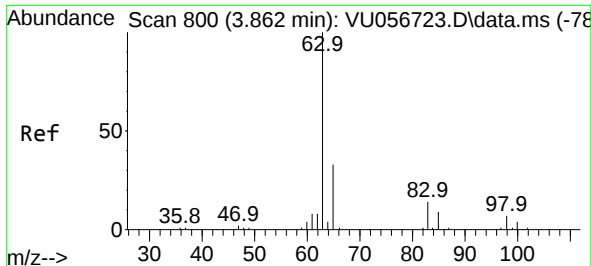
Tgt Ion: 73 Resp: 1010341
Ion Ratio Lower Upper
73 100
43 18.2 14.4 21.6
57 21.9 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 20.304 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Tgt Ion: 96 Resp: 444740
Ion Ratio Lower Upper
96 100
61 142.9 101.8 189.0
98 63.2 43.0 79.8





#19

1,1-Dichloroethane

Concen: 19.909 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.000 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

Instrument :

MSVOA_U

ClientSampleId :

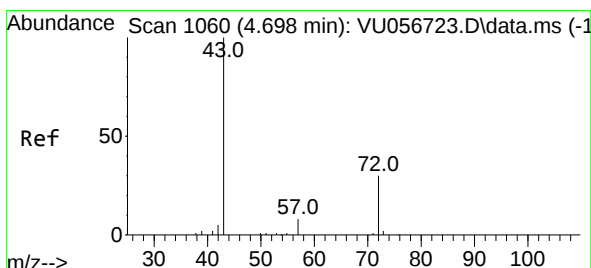
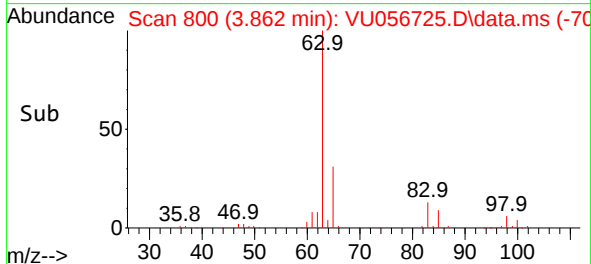
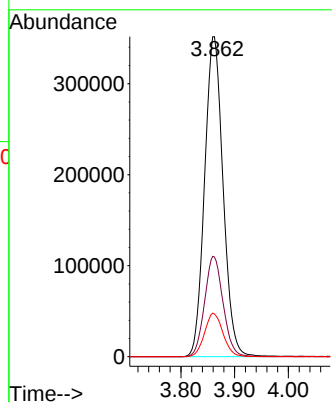
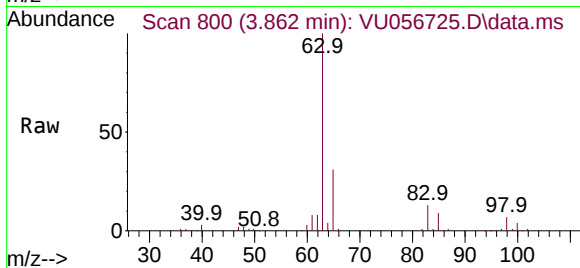
Tgt Ion: 63 Resp: 838853

Ion Ratio Lower Upper

63 100

65 31.1 22.9 42.5

83 13.3 10.1 18.9



#21

2-Butanone

Concen: 218.893 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. -0.003 min

Lab File: VU056725.D

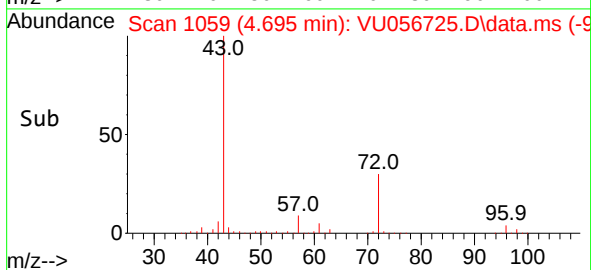
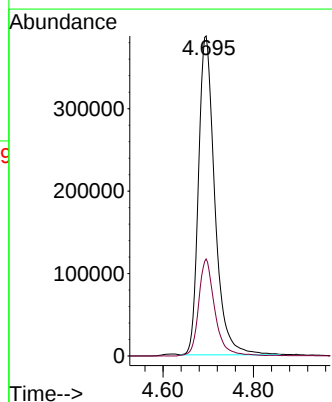
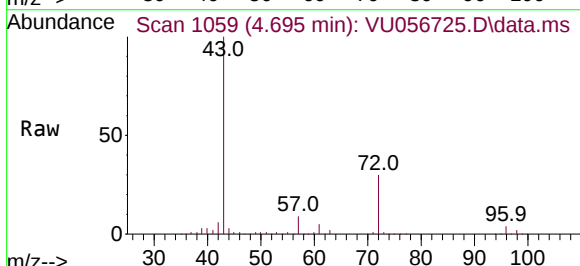
Acq: 11 Dec 2023 11:53

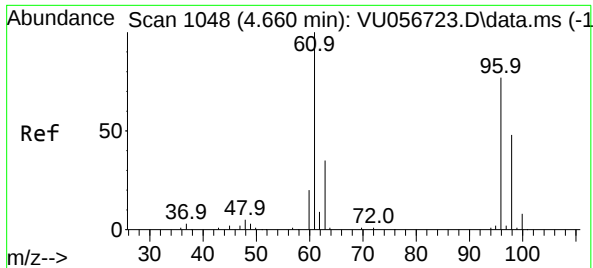
Tgt Ion: 43 Resp: 966898

Ion Ratio Lower Upper

43 100

72 29.9 14.6 43.8

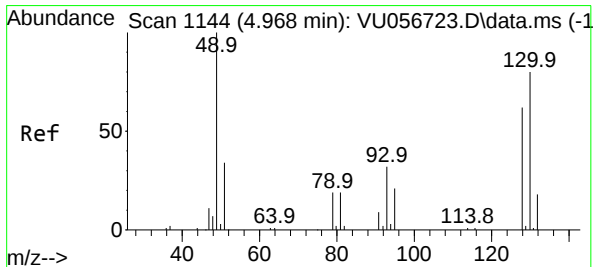
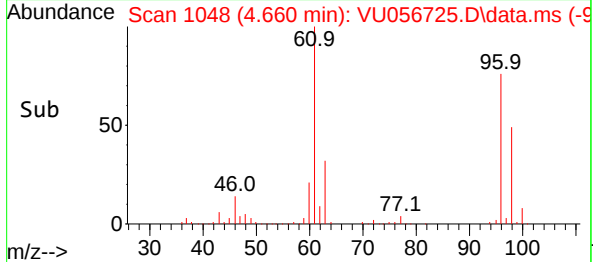
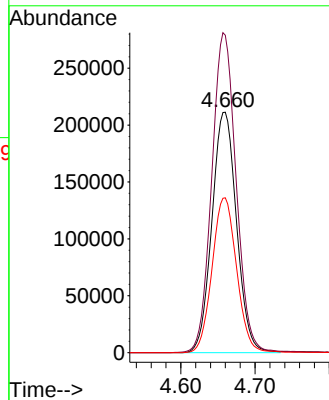
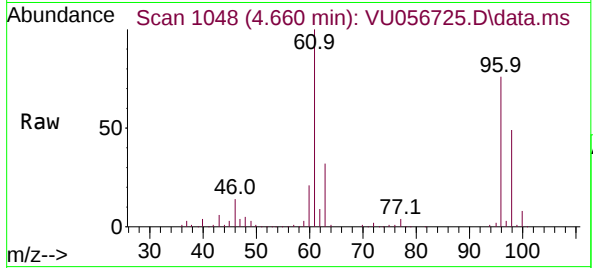




#22
cis-1,2-Dichloroethene
Concen: 20.433 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

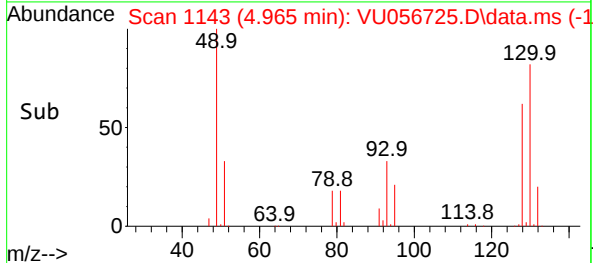
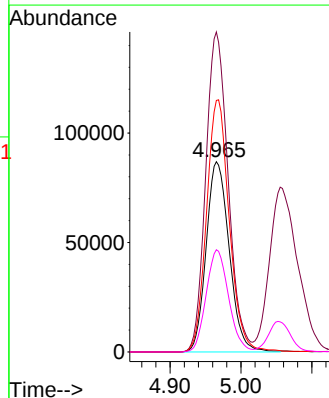
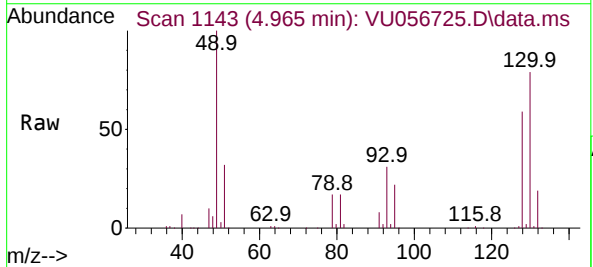
Instrument :
MSVOA_U
ClientSampleId :

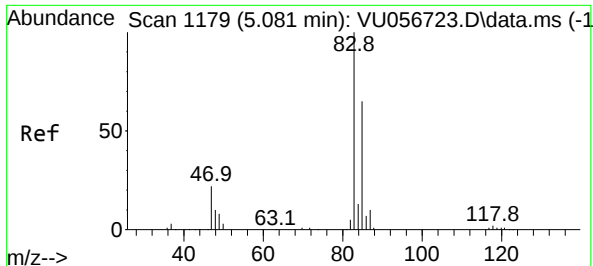
Tgt Ion: 96 Resp: 486914
Ion Ratio Lower Upper
96 100
61 131.9 91.3 169.6
98 64.4 44.2 82.0



#23
Bromochloromethane
Concen: 19.682 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Tgt Ion:128 Resp: 196347
Ion Ratio Lower Upper
128 100
49 168.3 113.8 211.3
130 132.2 90.6 168.3
51 53.8 43.7 65.5





#25

Chloroform

Concen: 19.412 ug/L

RT: 5.078 min Scan# 1179

Delta R.T. -0.003 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

Instrument :

MSVOA_U

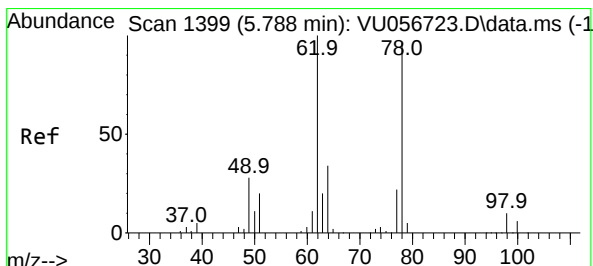
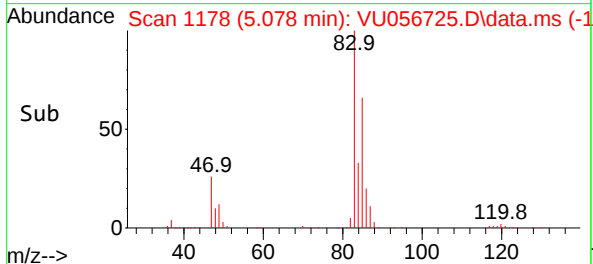
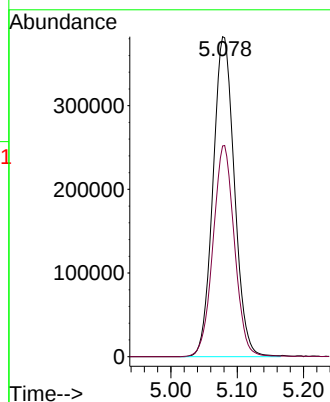
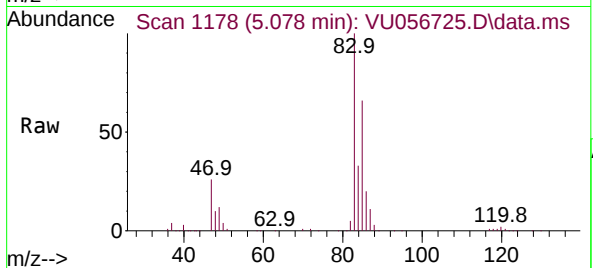
ClientSampleId :

Tgt Ion: 83 Resp: 856801

Ion Ratio Lower Upper

83 100

85 65.8 45.8 85.0



#27

1,2-Dichloroethane

Concen: 19.778 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU056725.D

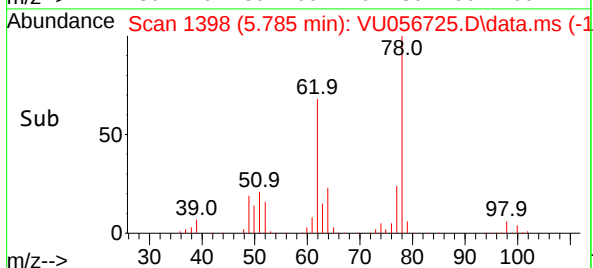
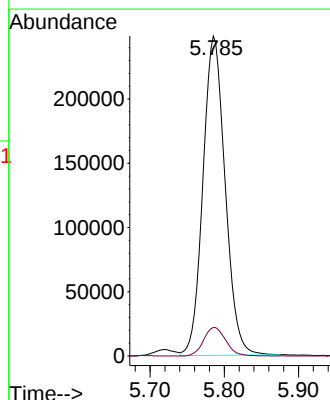
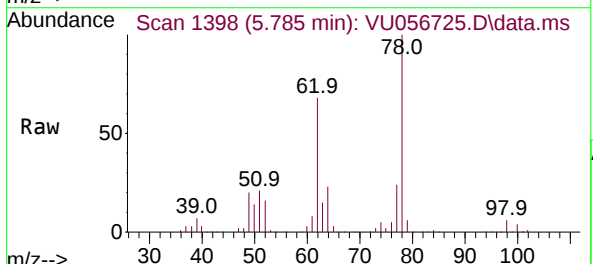
Acq: 11 Dec 2023 11:53

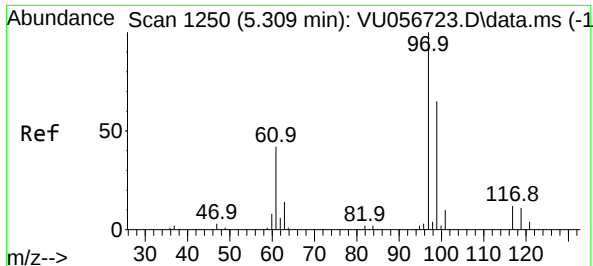
Tgt Ion: 62 Resp: 516260

Ion Ratio Lower Upper

62 100

98 8.9 7.8 11.6

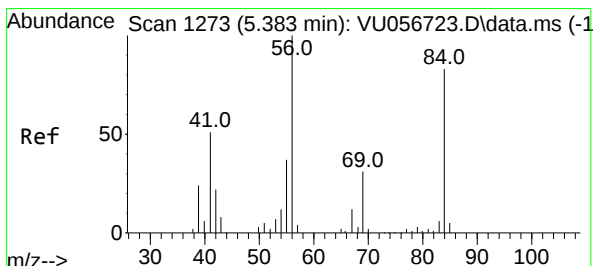
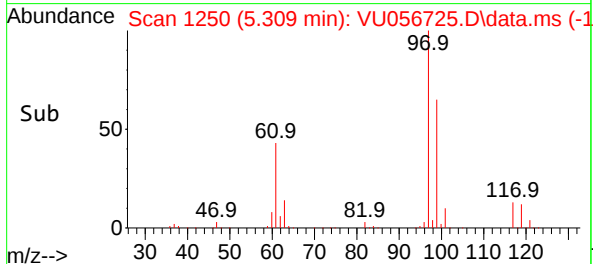
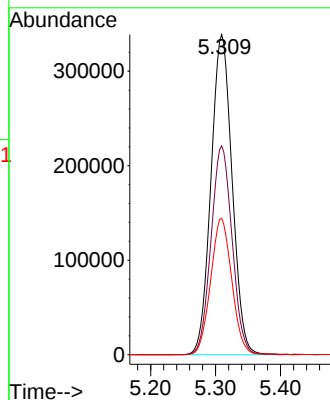
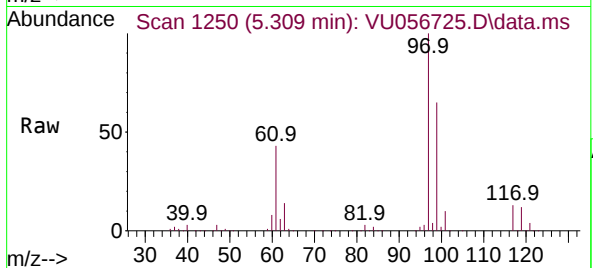




#29
1,1,1-Trichloroethane
Concen: 20.246 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

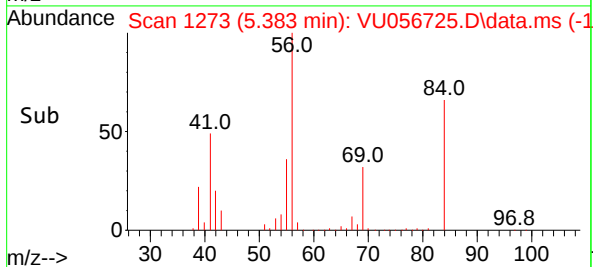
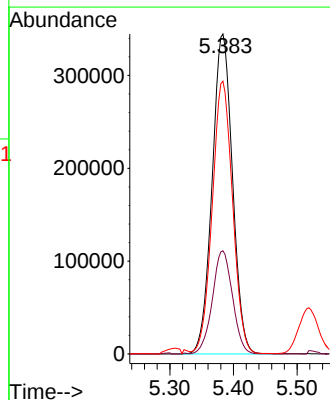
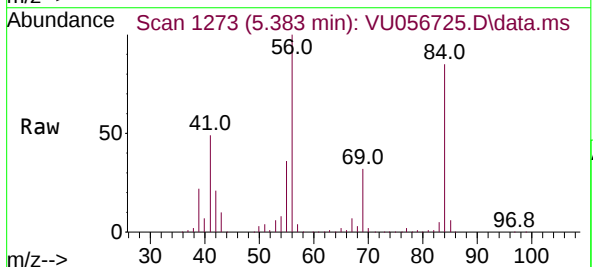
Instrument :
MSVOA_U
ClientSampleId :

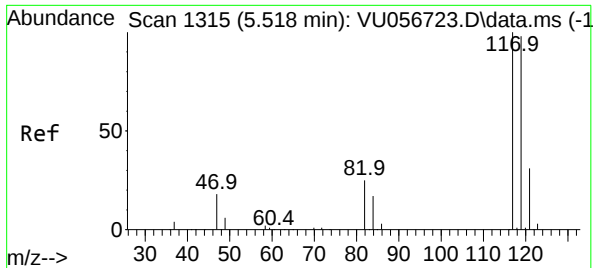
Tgt Ion: 97 Resp: 763541
Ion Ratio Lower Upper
97 100
99 65.1 52.5 78.7
61 42.8 34.2 51.2



#30
Cyclohexane
Concen: 21.654 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Tgt Ion: 56 Resp: 766416
Ion Ratio Lower Upper
56 100
69 31.9 24.9 37.3
84 85.0 67.6 101.4

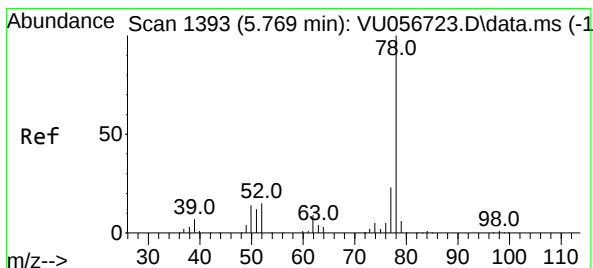
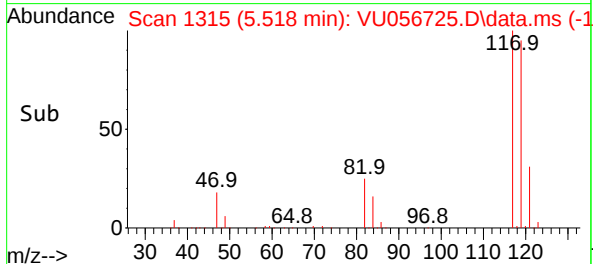
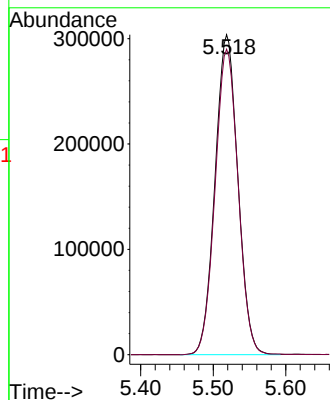
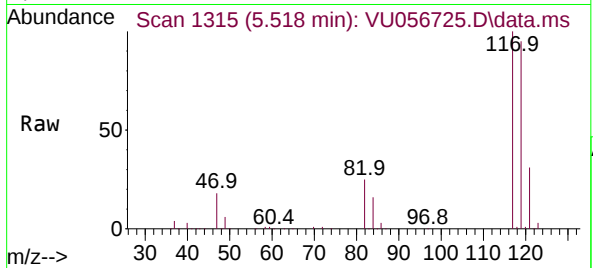




#31
Carbon tetrachloride
Concen: 20.261 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

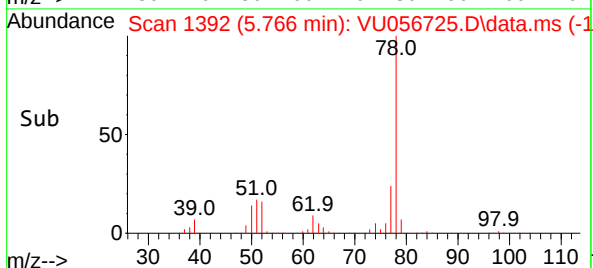
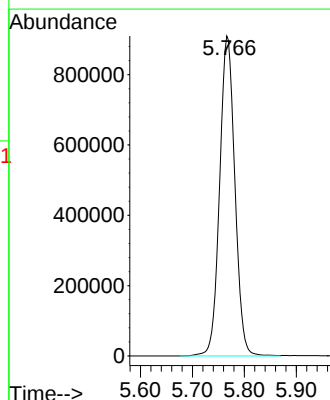
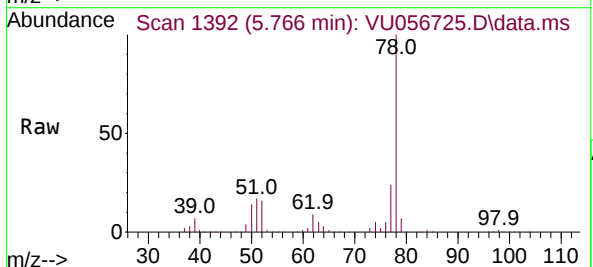
Instrument :
MSVOA_U
ClientSampleId :

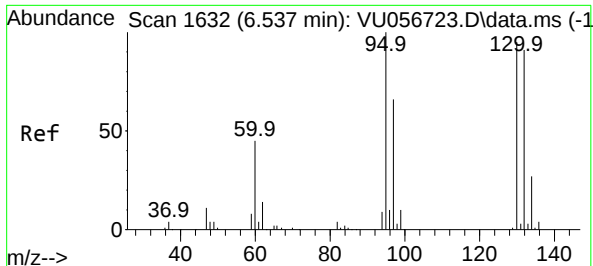
Tgt Ion:117 Resp: 664114
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.4



#33
Benzene
Concen: 20.240 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Tgt Ion: 78 Resp: 1855731

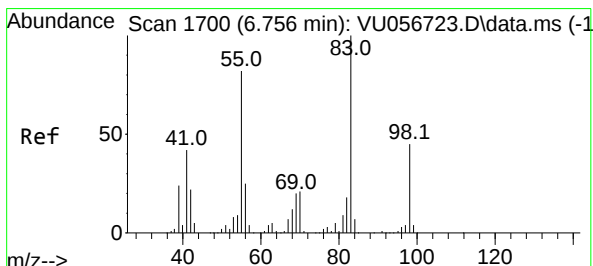
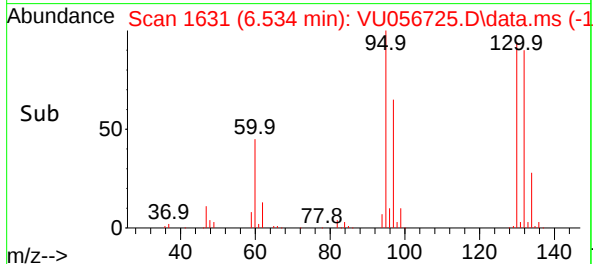
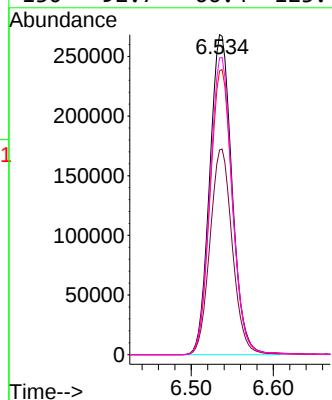
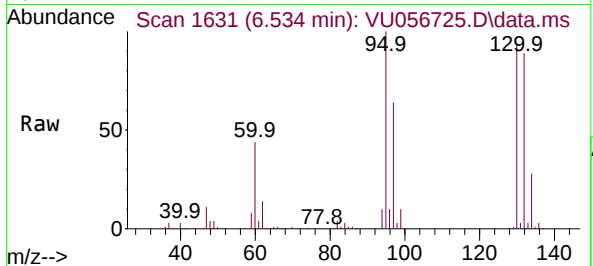




#34
Trichloroethene
Concen: 20.156 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

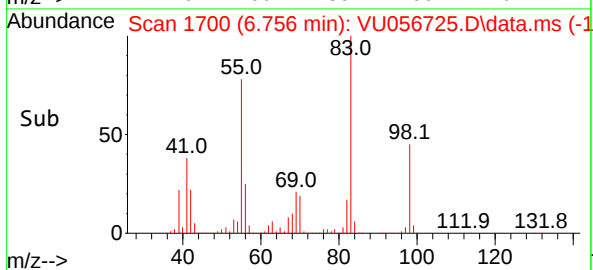
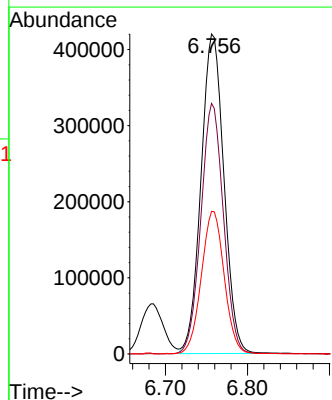
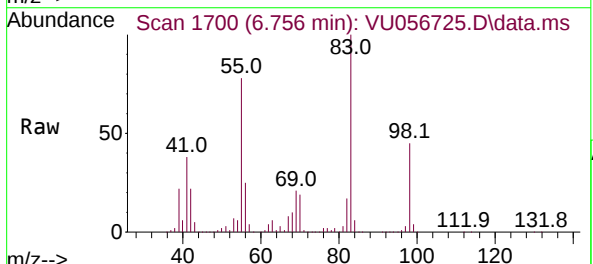
Instrument :
MSVOA_U
ClientSampleId :

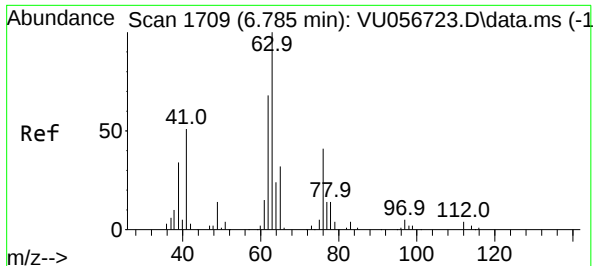
Tgt Ion: 95 Resp: 506947
Ion Ratio Lower Upper
95 100
97 64.0 46.1 85.5
132 88.7 63.6 118.0
130 92.7 66.4 123.4



#35
Methylcyclohexane
Concen: 21.931 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Tgt Ion: 83 Resp: 813996
Ion Ratio Lower Upper
83 100
55 77.3 64.6 97.0
98 44.3 36.1 54.1

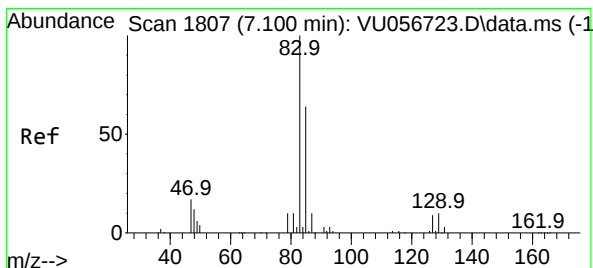
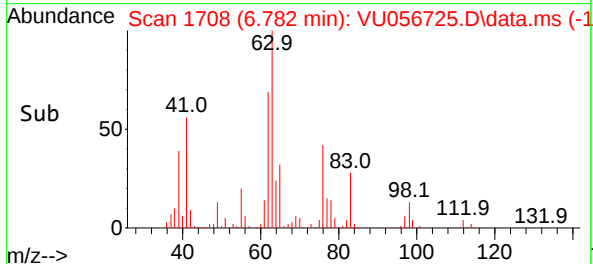
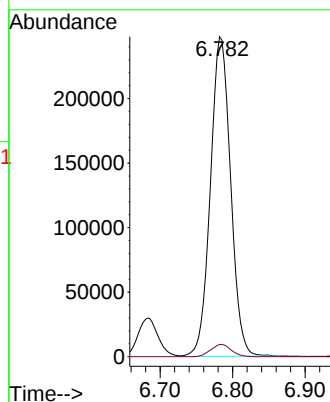
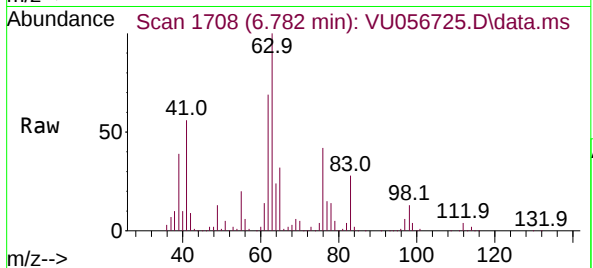




#37
1,2-Dichloropropane
Concen: 20.421 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

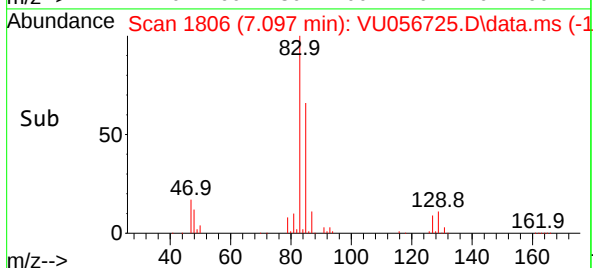
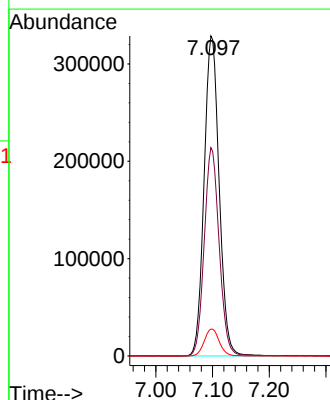
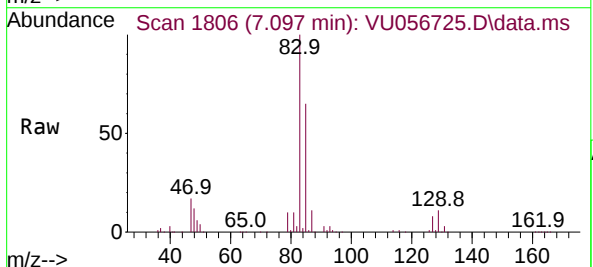
Instrument :
MSVOA_U
ClientSampleId :

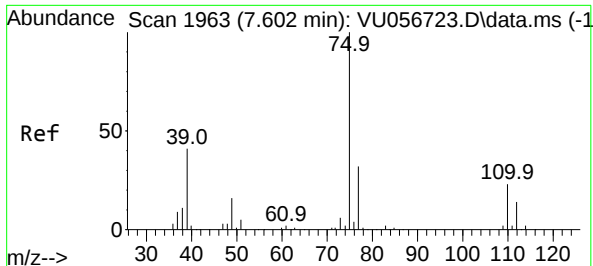
Tgt Ion: 63 Resp: 478969
Ion Ratio Lower Upper
63 100
112 3.9 3.3 4.9



#38
Bromodichloromethane
Concen: 20.298 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Tgt Ion: 83 Resp: 607128
Ion Ratio Lower Upper
83 100
85 65.1 45.0 83.6
127 8.4 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 21.896 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

Instrument :

MSVOA_U

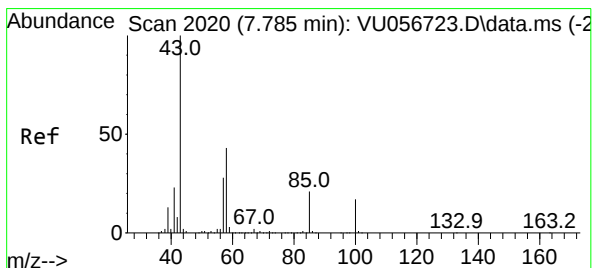
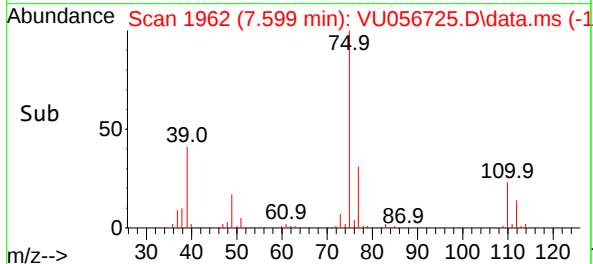
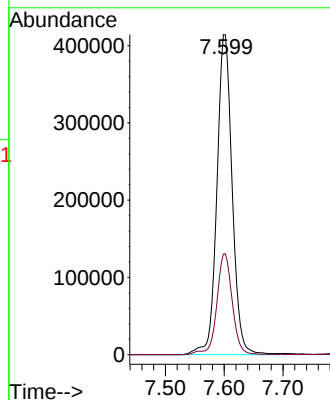
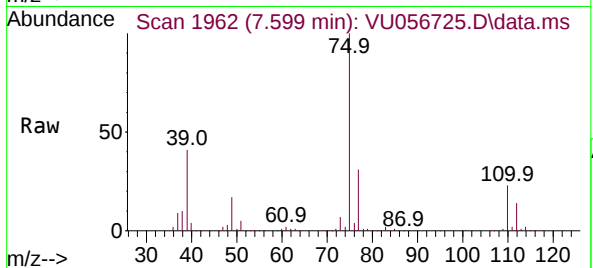
ClientSampleId :

Tgt Ion: 75 Resp: 748492

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 216.073 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.003 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

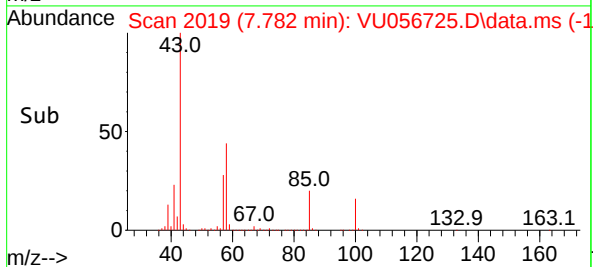
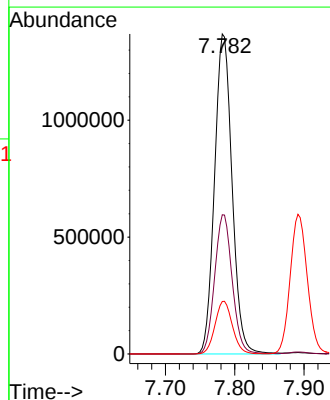
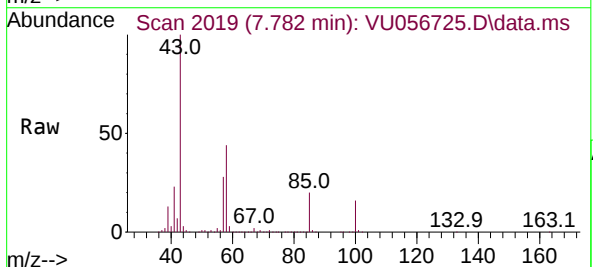
Tgt Ion: 43 Resp: 2406432

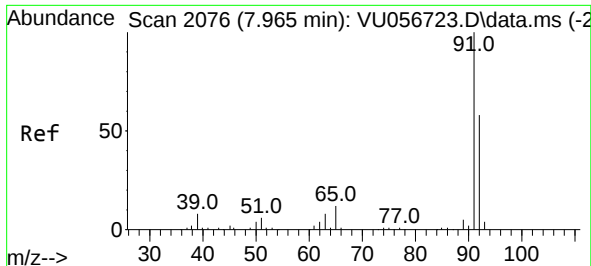
Ion Ratio Lower Upper

43 100

58 43.6 33.7 50.5

100 16.4 13.0 19.4





#42

Toluene

Concen: 20.991 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

Instrument :

MSVOA_U

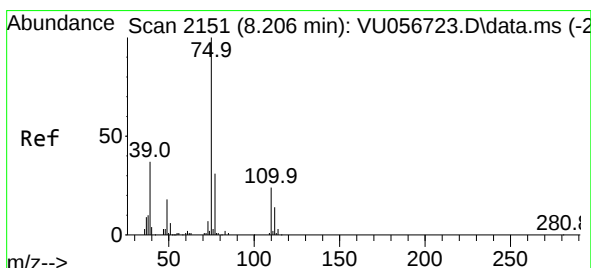
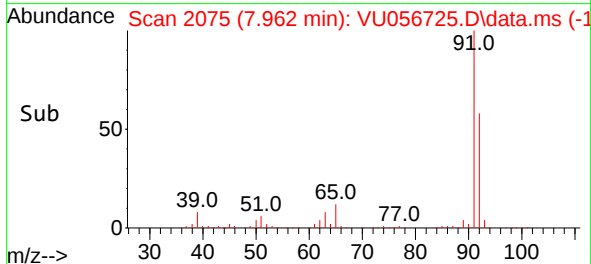
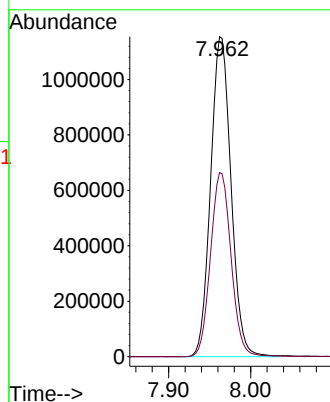
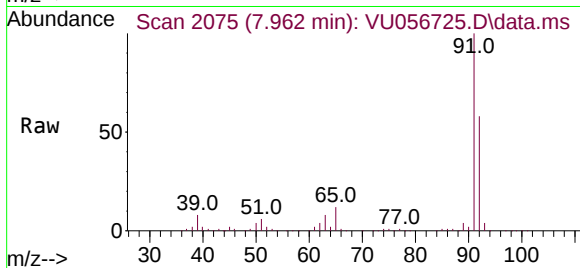
ClientSampleId :

Tgt Ion: 91 Resp: 1991458

Ion Ratio Lower Upper

91 100

92 57.5 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 21.467 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU056725.D

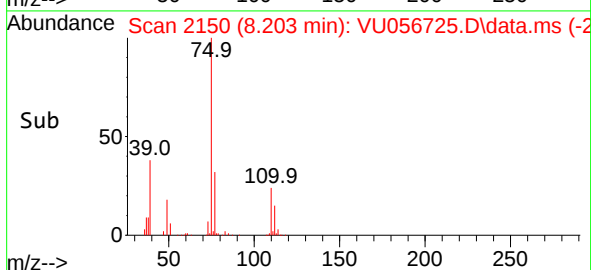
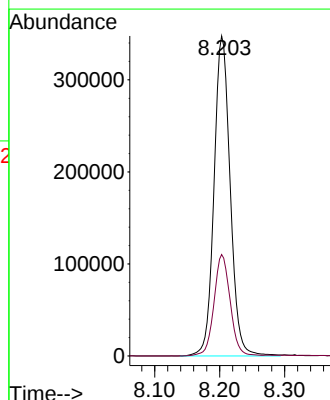
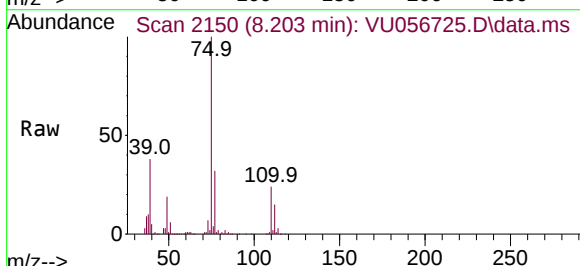
Acq: 11 Dec 2023 11:53

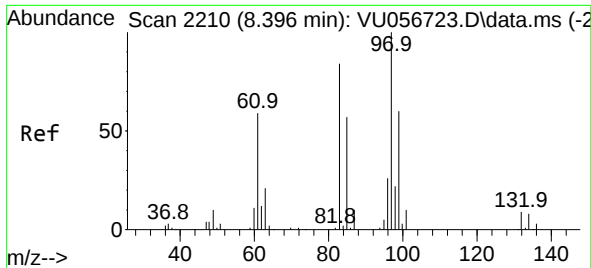
Tgt Ion: 75 Resp: 601445

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4



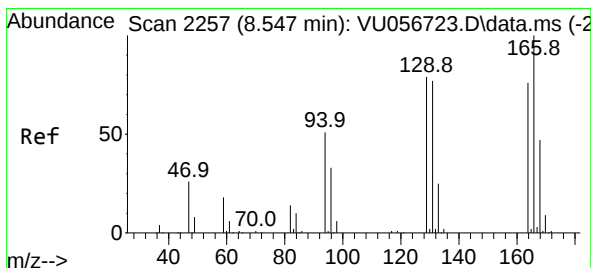
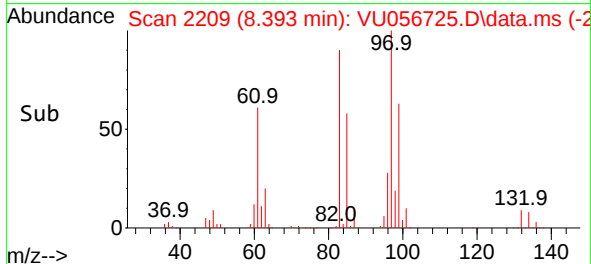
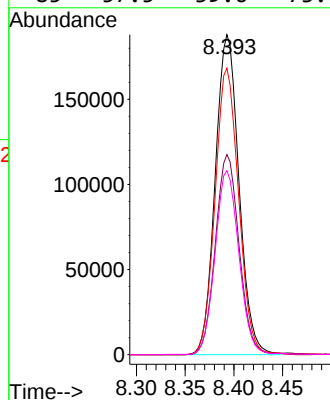
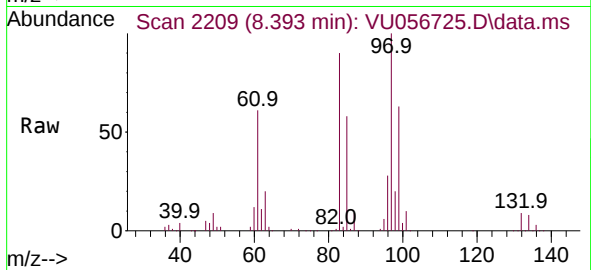


#45
1,1,2-Trichloroethane
Concen: 20.074 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 318309

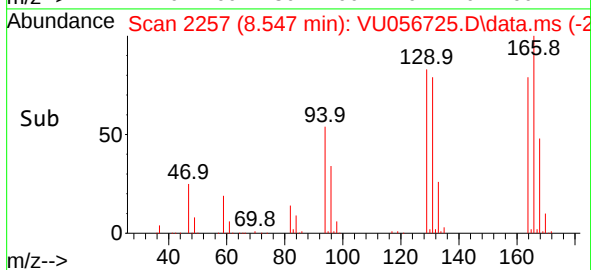
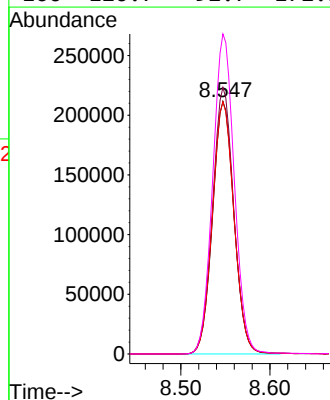
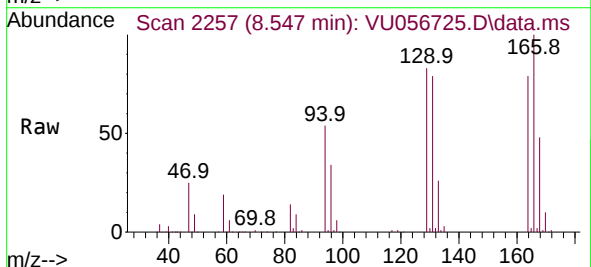
Ion	Ratio	Lower	Upper
97	100		
99	62.5	41.9	77.9
83	89.5	59.1	109.7
85	57.5	39.6	73.6

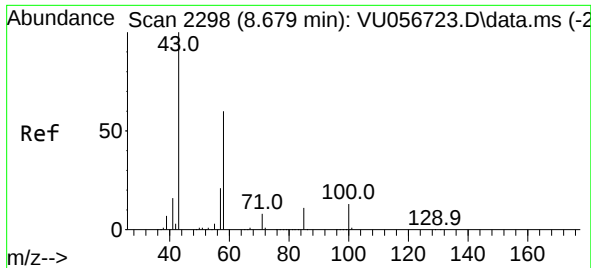


#47
Tetrachloroethene
Concen: 20.151 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Tgt Ion: 164 Resp: 354688

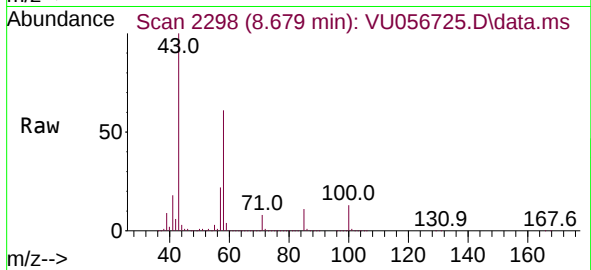
Ion	Ratio	Lower	Upper
164	100		
129	105.6	73.4	136.4
131	99.8	71.5	132.9
166	126.7	92.7	172.1





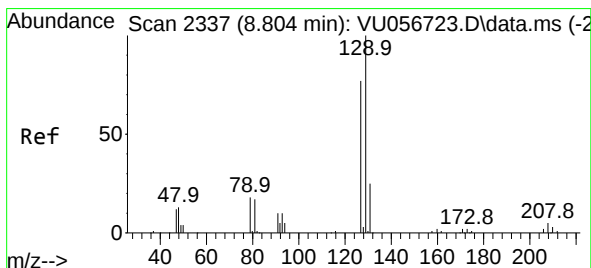
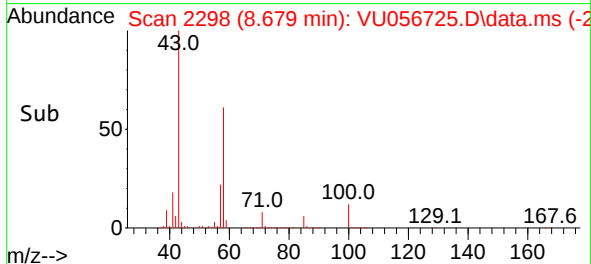
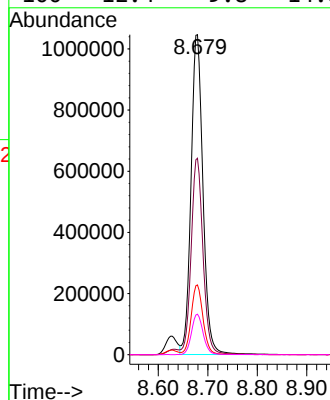
#48
2-Hexanone
Concen: 221.193 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 1754538

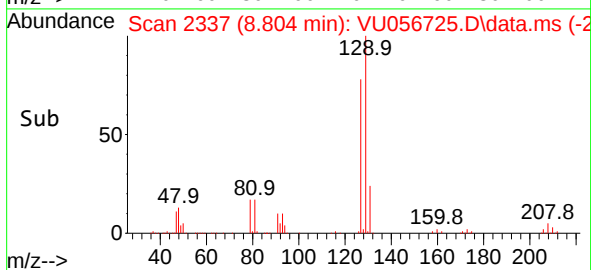
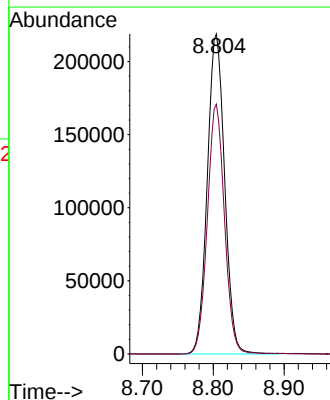
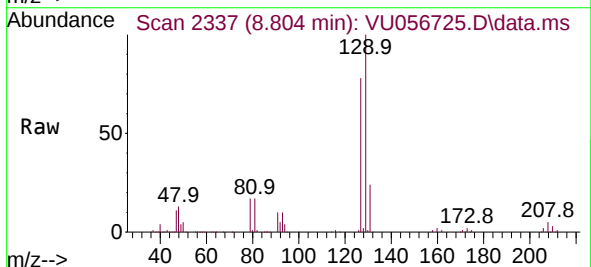
Ion	Ratio	Lower	Upper
43	100		
58	61.0	47.5	71.3
57	21.4	17.0	25.4
100	12.4	9.8	14.8

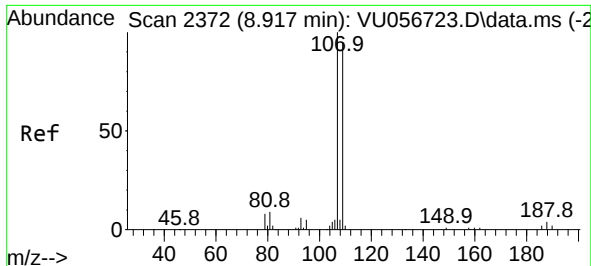


#49
Dibromochloromethane
Concen: 20.410 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Tgt Ion: 129 Resp: 371987

Ion	Ratio	Lower	Upper
129	100		
127	78.1	53.9	100.1





#50

1,2-Dibromoethane

Concen: 20.575 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

Instrument :

MSVOA_U

ClientSampleId :

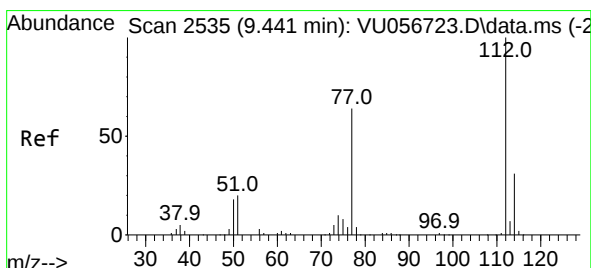
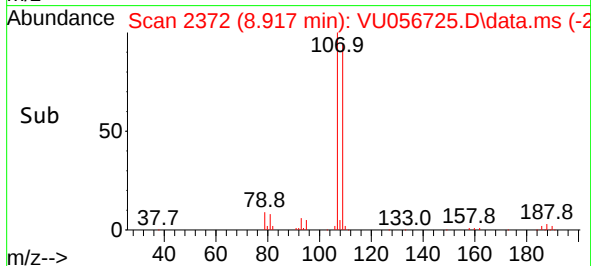
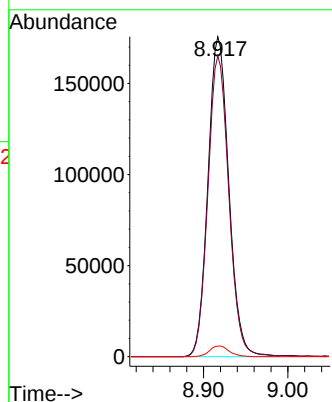
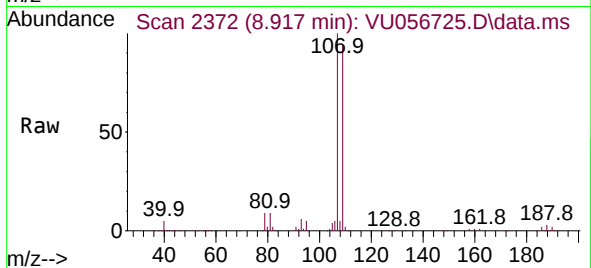
Tgt Ion:107 Resp: 302793

Ion Ratio Lower Upper

107 100

109 94.0 66.5 123.5

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 20.421 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

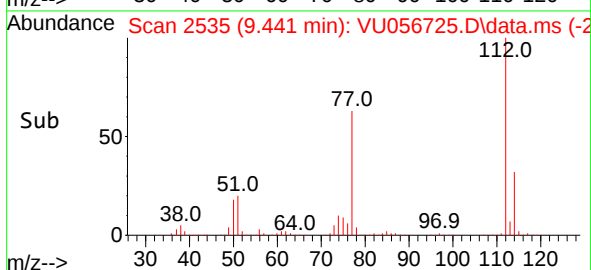
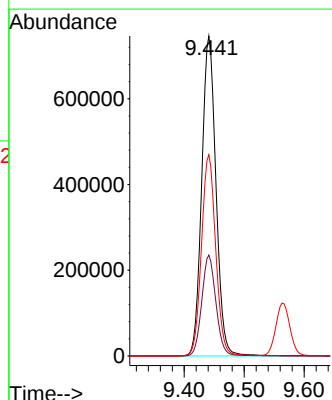
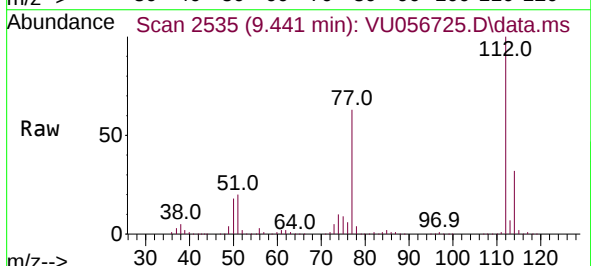
Tgt Ion:112 Resp: 1234777

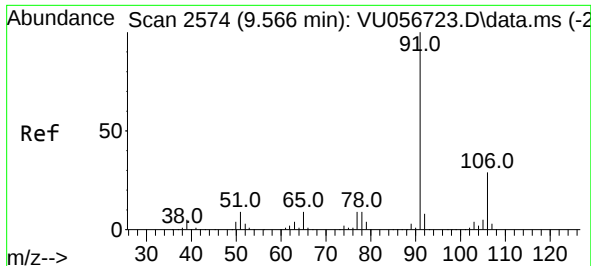
Ion Ratio Lower Upper

112 100

114 31.5 21.9 40.7

77 62.9 51.6 77.4

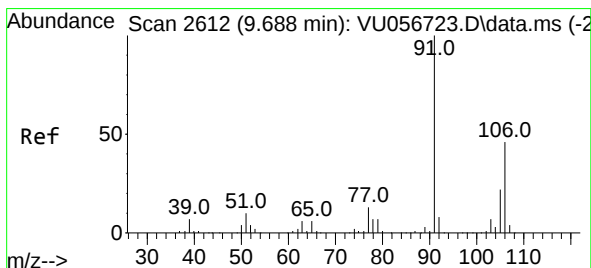
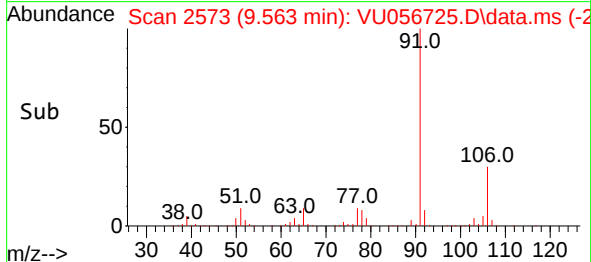
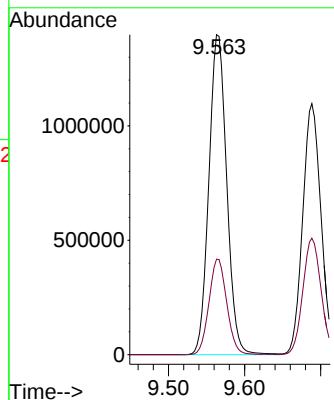
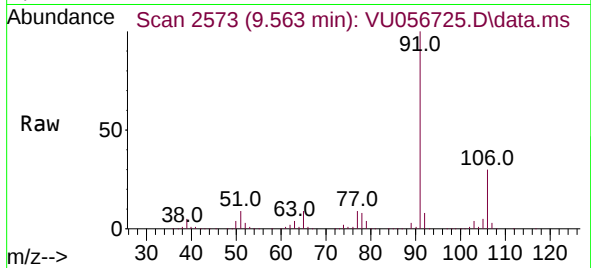




#52
Ethylbenzene
Concen: 21.806 ug/L
RT: 9.563 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

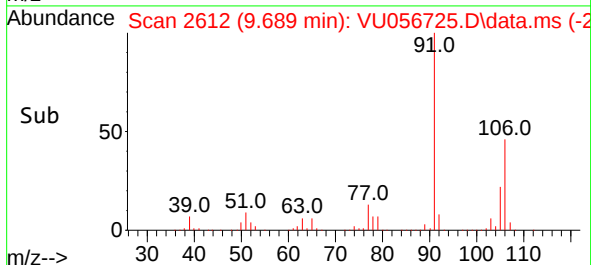
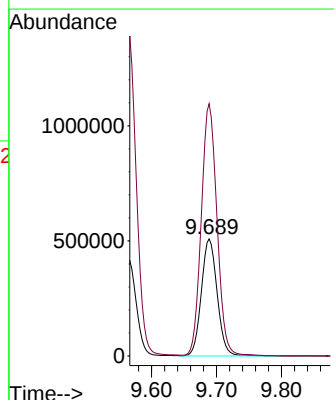
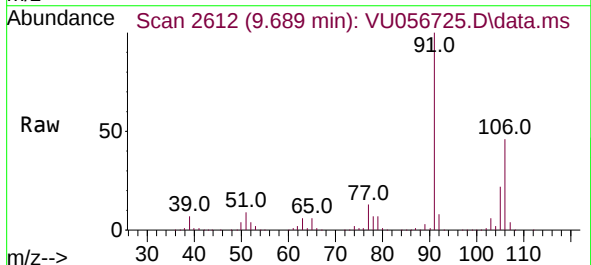
Instrument :
MSVOA_U
ClientSampleId :

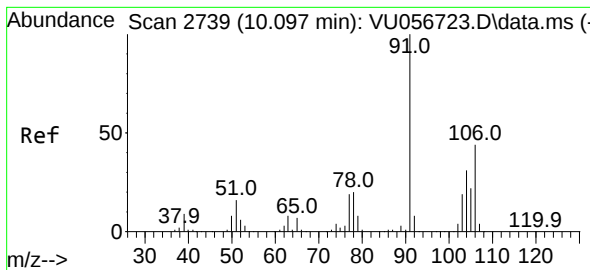
Tgt Ion: 91 Resp: 2282003
Ion Ratio Lower Upper
91 100
106 29.9 20.6 38.4



#53
m,p-Xylene
Concen: 22.096 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Tgt Ion:106 Resp: 861511
Ion Ratio Lower Upper
106 100
91 215.5 154.0 286.0





#54

o-Xylene

Concen: 21.947 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

Instrument :

MSVOA_U

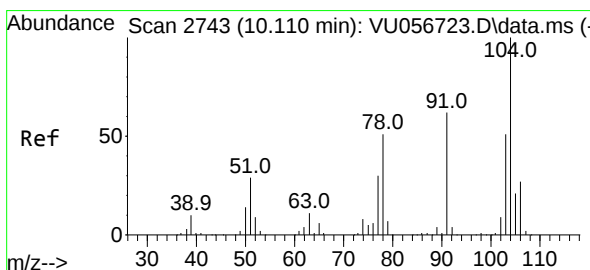
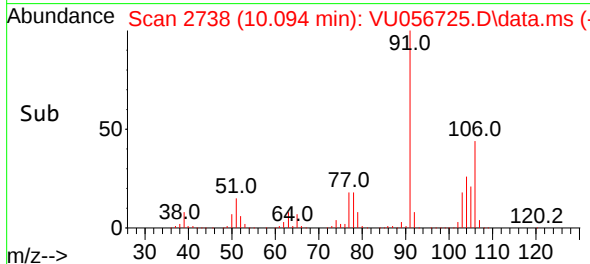
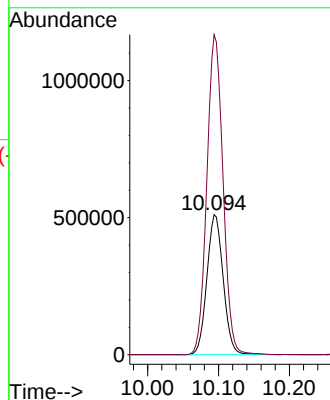
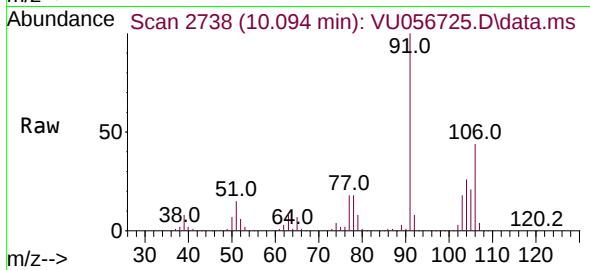
ClientSampleId :

Tgt Ion:106 Resp: 815239

Ion Ratio Lower Upper

106 100

91 228.7 160.2 297.6



#55

Styrene

Concen: 22.974 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU056725.D

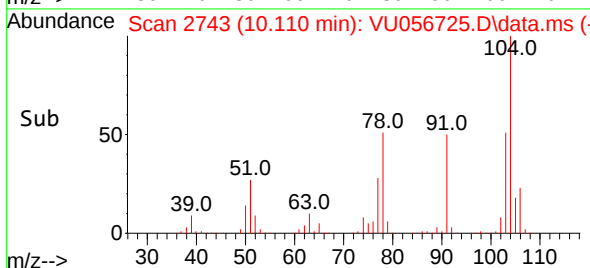
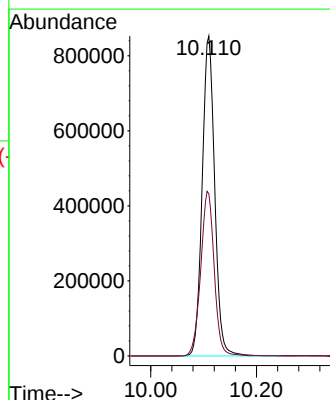
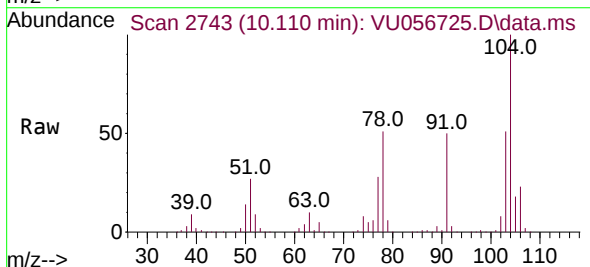
Acq: 11 Dec 2023 11:53

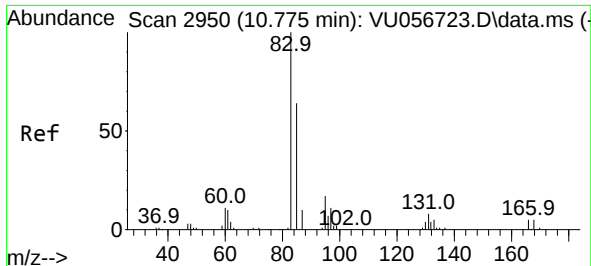
Tgt Ion:104 Resp: 1401353

Ion Ratio Lower Upper

104 100

78 50.7 35.6 66.2

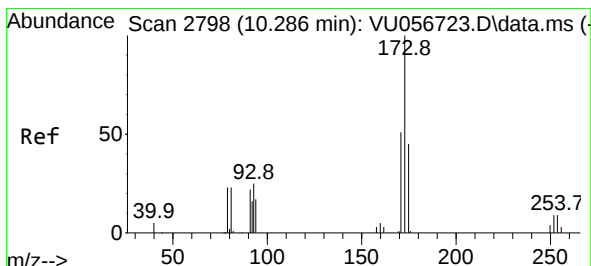
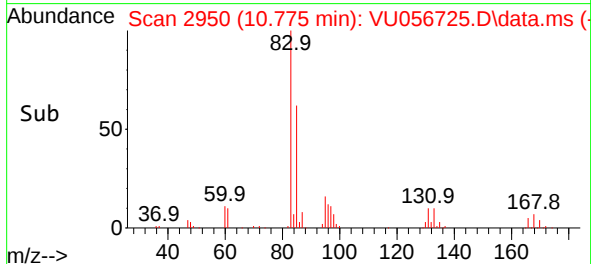
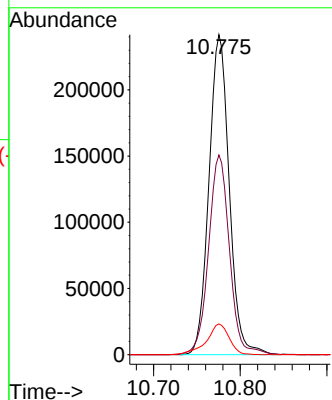
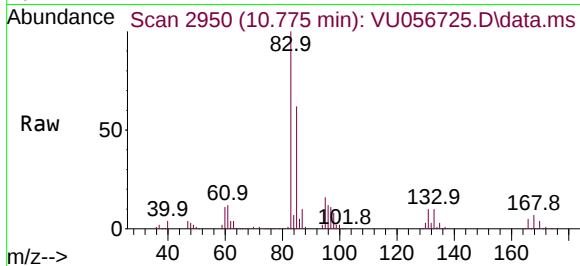




#57
1,1,2,2-Tetrachloroethane
Concen: 20.506 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

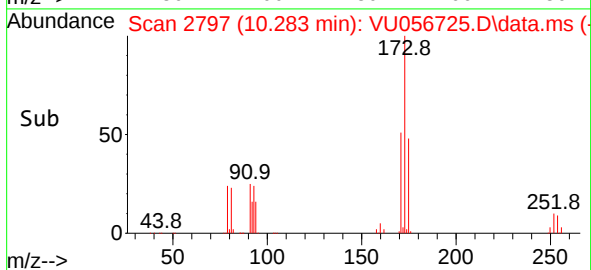
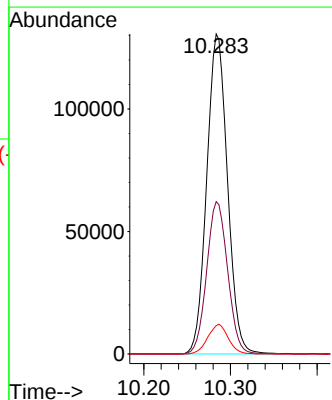
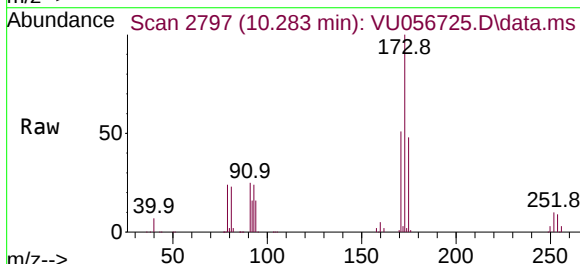
Instrument :
MSVOA_U
ClientSampleId :

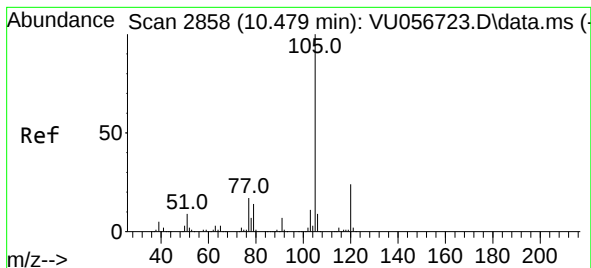
Tgt Ion: 83 Resp: 392832
Ion Ratio Lower Upper
83 100
85 62.4 45.4 84.4
131 9.6 6.6 9.8



#59
Bromoform
Concen: 19.692 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.003 min
Lab File: VU056725.D
Acq: 11 Dec 2023 11:53

Tgt Ion:173 Resp: 217150
Ion Ratio Lower Upper
173 100
175 48.1 38.2 57.2
254 9.1 7.0 10.4





#60

Isopropylbenzene

Concen: 21.072 ug/L

RT: 10.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

Instrument :

MSVOA_U

ClientSampleId :

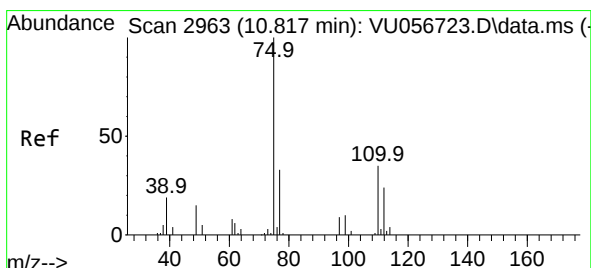
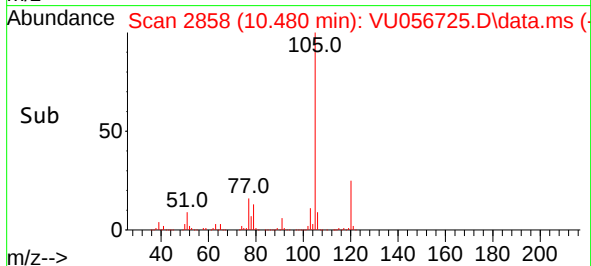
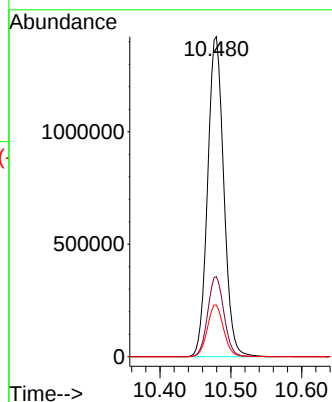
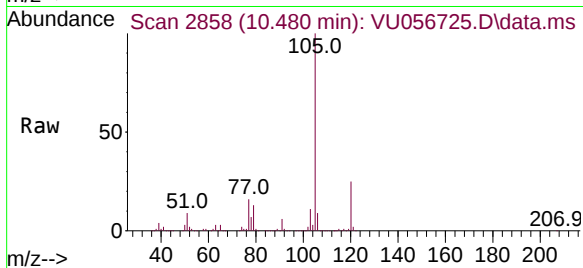
Tgt Ion:105 Resp: 2248434

Ion Ratio Lower Upper

105 100

120 25.2 20.1 30.1

77 16.3 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 18.545 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

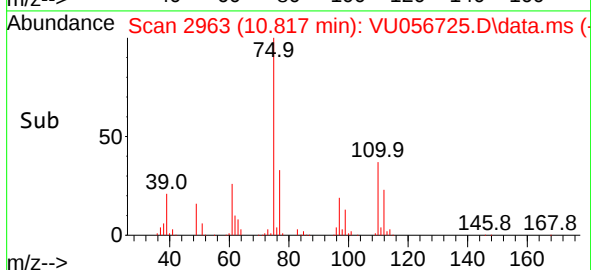
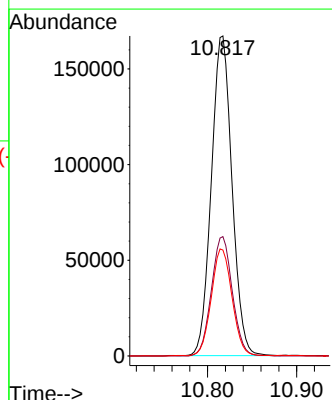
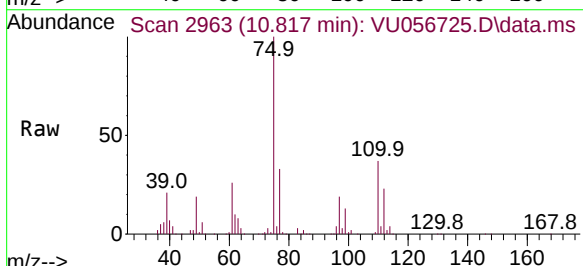
Tgt Ion: 75 Resp: 268930

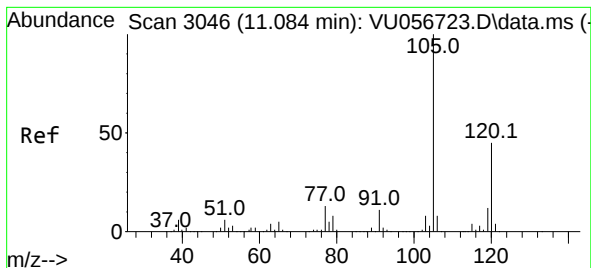
Ion Ratio Lower Upper

75 100

110 37.8 28.4 42.6

77 33.5 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 22.144 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

Instrument :

MSVOA_U

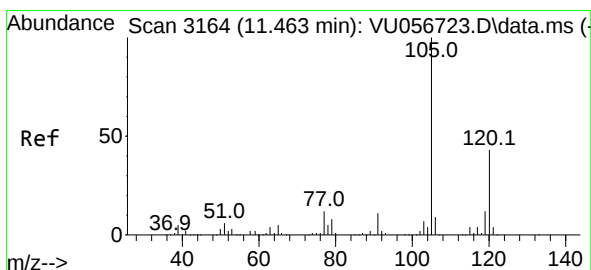
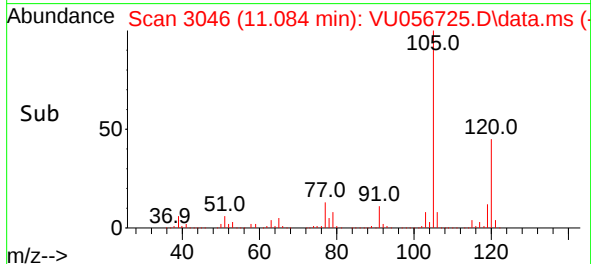
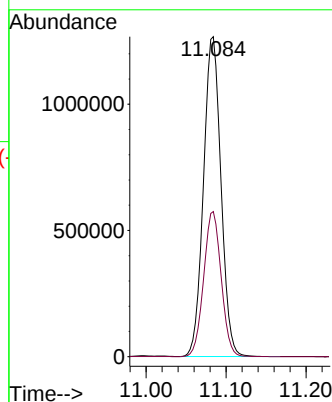
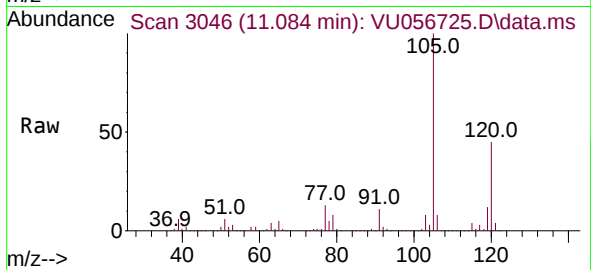
ClientSampleId :

Tgt Ion:105 Resp: 1931199

Ion Ratio Lower Upper

105 100

120 45.4 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 22.051 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU056725.D

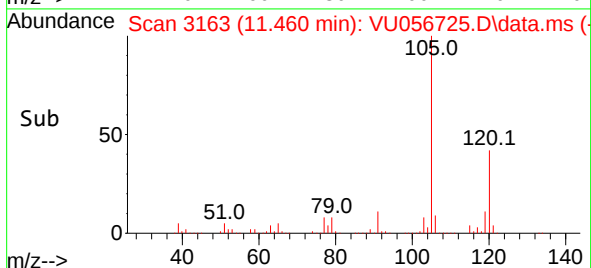
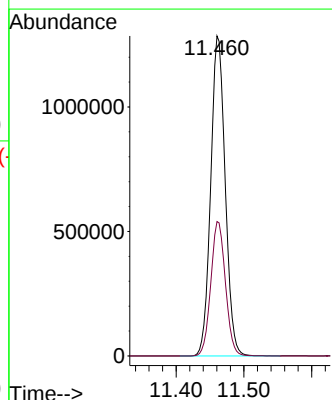
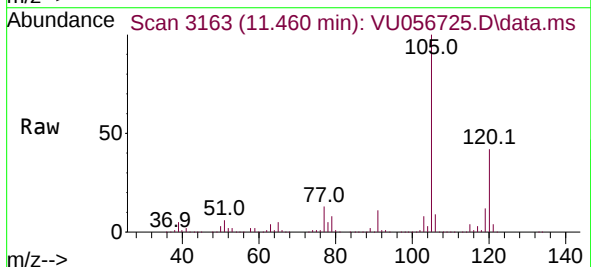
Acq: 11 Dec 2023 11:53

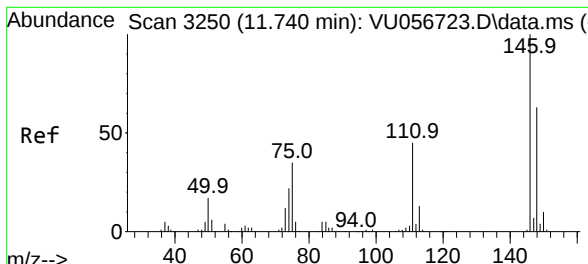
Tgt Ion:105 Resp: 1909925

Ion Ratio Lower Upper

105 100

120 42.4 34.2 51.4

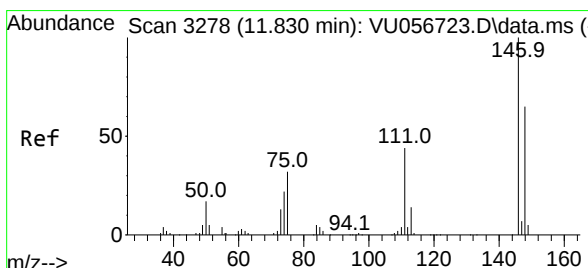
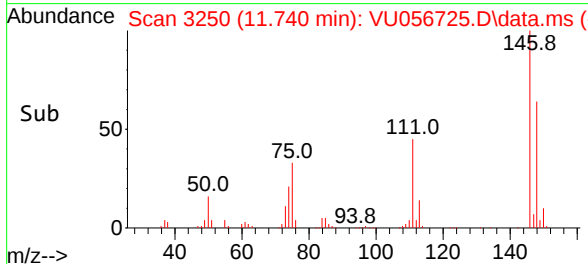
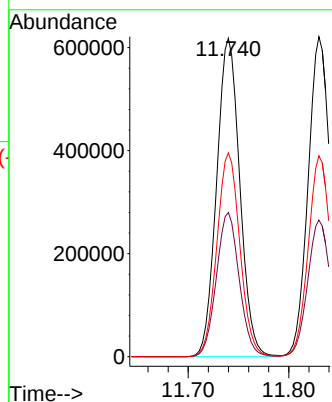
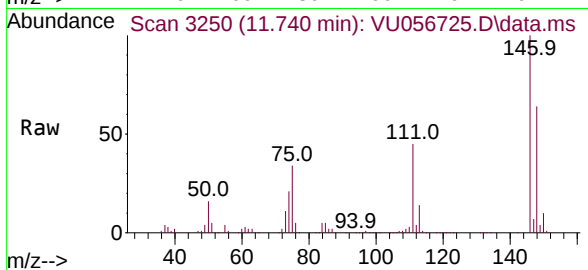




#64
 1,3-Dichlorobenzene
 Concen: 19.610 ug/L
 RT: 11.740 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU056725.D
 Acq: 11 Dec 2023 11:53

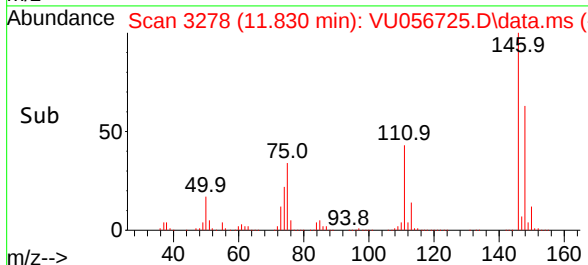
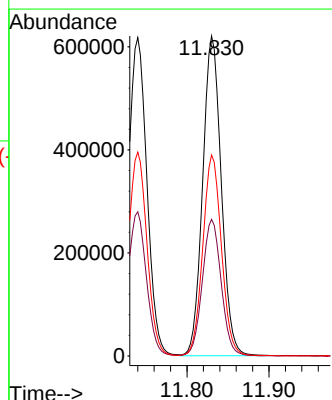
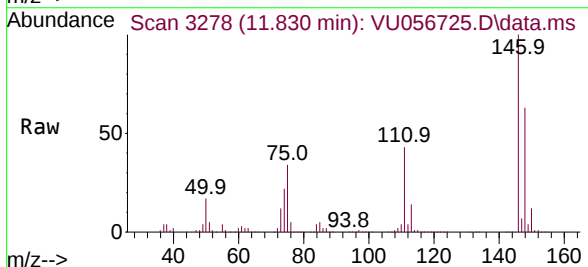
Instrument :
 MSVOA_U
 ClientSampleId :

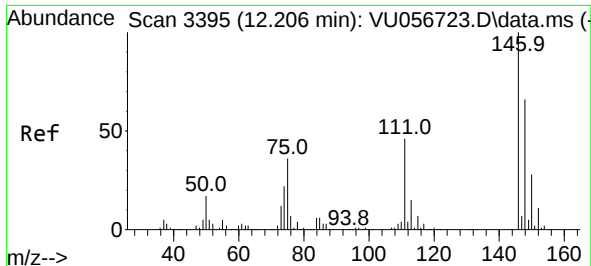
Tgt Ion:146 Resp: 989826
 Ion Ratio Lower Upper
 146 100
 111 45.3 31.7 58.9
 148 64.0 44.3 82.3



#65
 1,4-Dichlorobenzene
 Concen: 19.654 ug/L
 RT: 11.830 min Scan# 3278
 Delta R.T. 0.000 min
 Lab File: VU056725.D
 Acq: 11 Dec 2023 11:53

Tgt Ion:146 Resp: 976864
 Ion Ratio Lower Upper
 146 100
 111 42.7 31.2 58.0
 148 62.8 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 19.326 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

Instrument :

MSVOA_U

ClientSampleId :

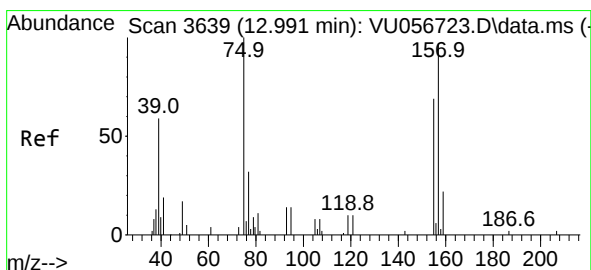
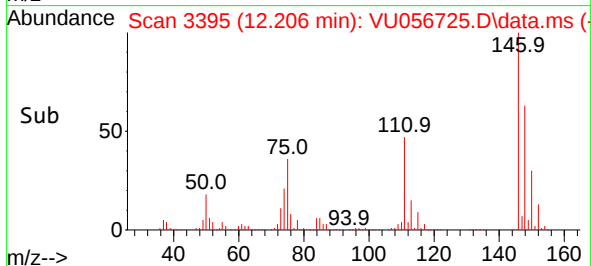
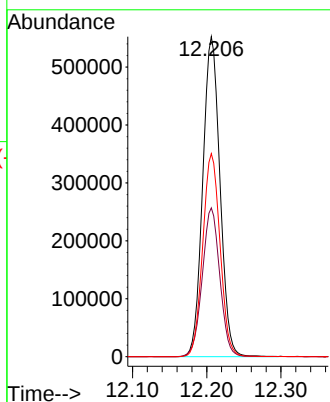
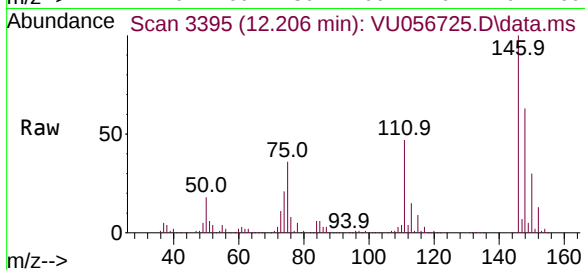
Tgt Ion:146 Resp: 888669

Ion Ratio Lower Upper

146 100

111 46.5 36.9 55.3

148 63.5 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 21.199 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

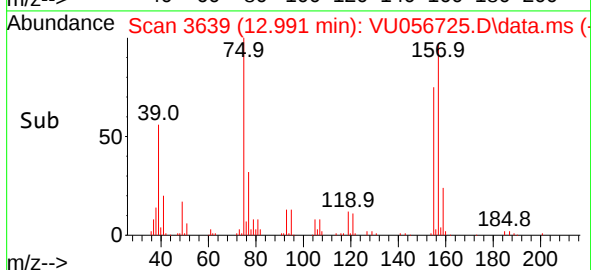
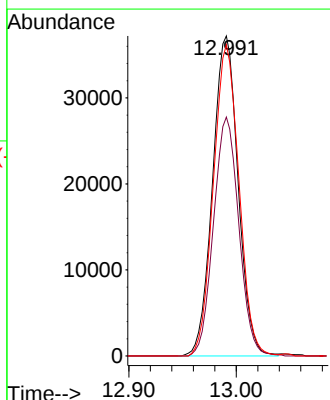
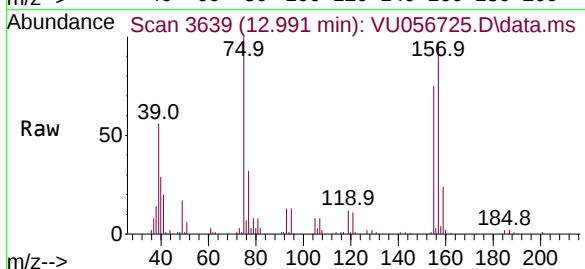
Tgt Ion: 75 Resp: 61377

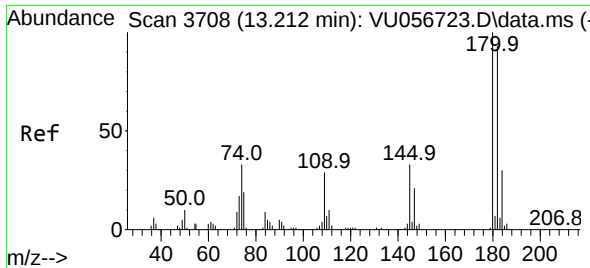
Ion Ratio Lower Upper

75 100

155 74.6 55.4 83.2

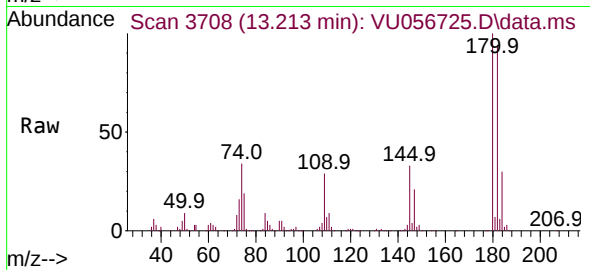
157 97.3 77.3 115.9



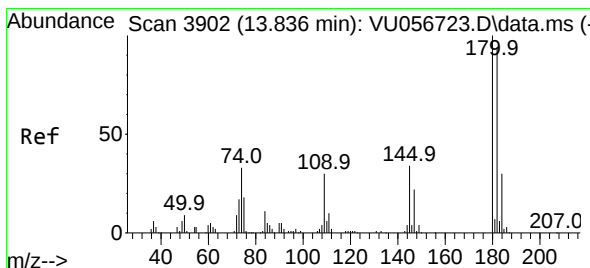
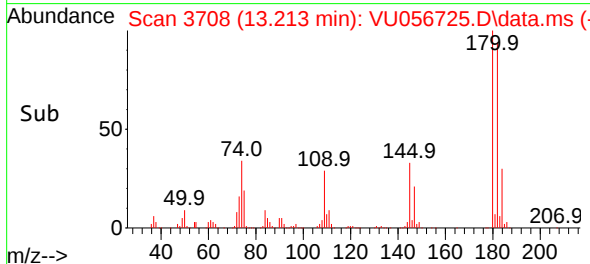
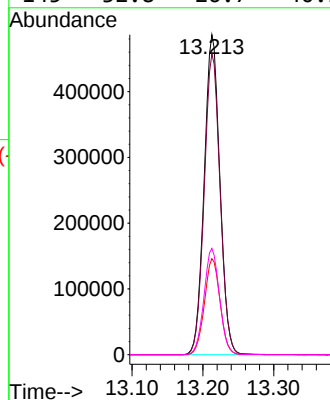


#69
 1,3,5-Trichlorobenzene
 Concen: 19.649 ug/L
 RT: 13.213 min Scan# 3708
 Delta R.T. 0.000 min
 Lab File: VU056725.D
 Acq: 11 Dec 2023 11:53

Instrument :
 MSVOA_U
 ClientSampleId :

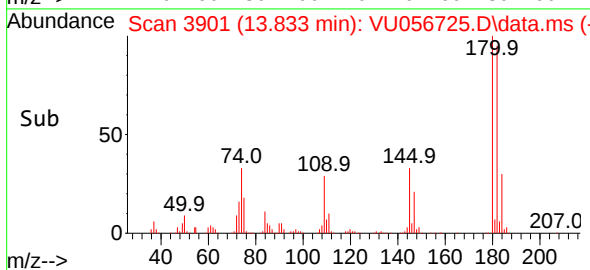
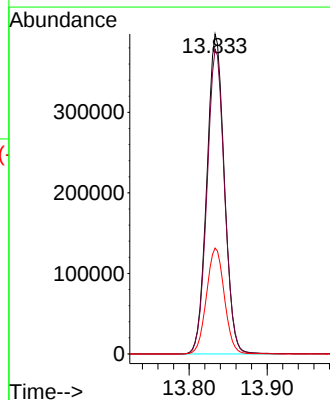
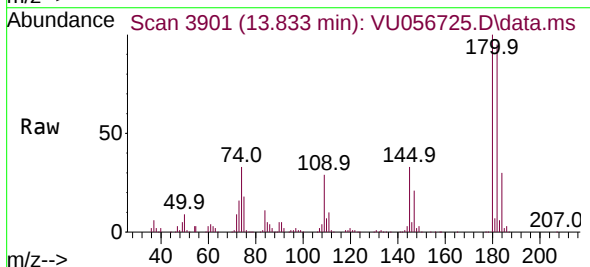


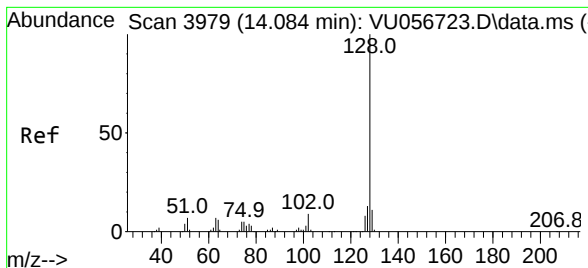
Tgt Ion:180 Resp: 749406
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.2 114.4
 184 29.8 24.6 37.0
 145 32.8 26.7 40.1



#70
 1,2,4-trichlorobenzene
 Concen: 20.482 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU056725.D
 Acq: 11 Dec 2023 11:53

Tgt Ion:180 Resp: 618625
 Ion Ratio Lower Upper
 180 100
 182 95.7 74.3 111.5
 145 33.8 26.7 40.1





#71

Naphthalene

Concen: 21.597 ug/L

RT: 14.081 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

Instrument :

MSVOA_U

ClientSampleId :

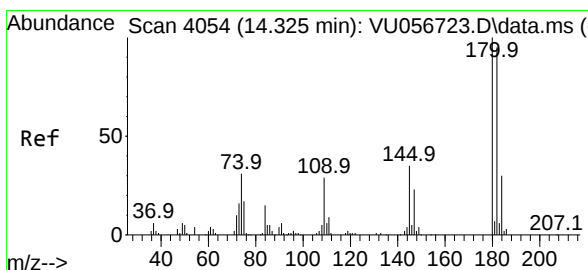
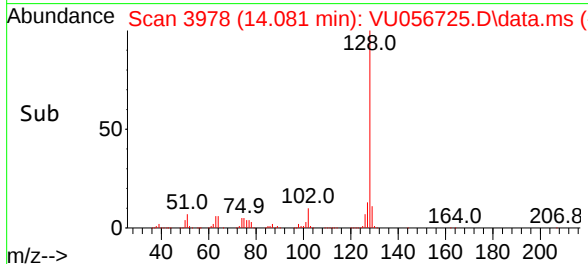
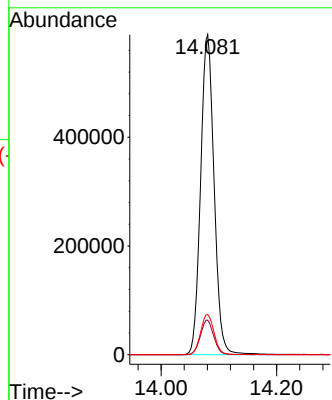
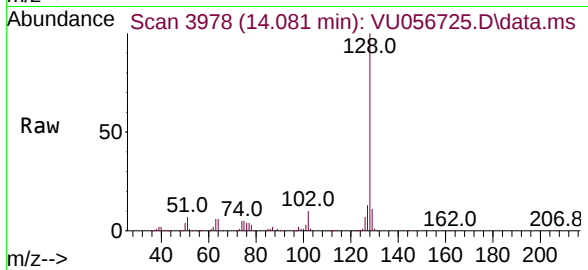
Tgt Ion:128 Resp: 954580

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 12.6 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 19.585 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU056725.D

Acq: 11 Dec 2023 11:53

Tgt Ion:180 Resp: 502193

Ion Ratio Lower Upper

180 100

182 96.9 75.0 112.6

145 36.1 28.6 42.8

