

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101623\
 Data File : VU055765.D
 Acq On : 16 Oct 2023 09:37
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 17 05:00:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 22:16:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	465191	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	476175	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	278086	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	190403	45.632	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.260%
7) Chloroethane-d5	1.898	69	155370	45.553	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.100%
11) 1,1-Dichloroethene-d2	2.563	63	371213	49.895	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.780%
21) 2-Butanone-d5	4.615	46	200912	64.982	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	64.980%
24) Chloroform-d	5.058	84	382746	47.848	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.700%
26) 1,2-Dichloroethane-d4	5.695	65	241084	48.964	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.920%
32) Benzene-d6	5.724	84	732802	48.098	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.685	67	225020	46.653	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.300%
41) Toluene-d8	7.894	98	668896	48.622	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.240%
43) trans-1,3-Dichloroprop...	8.177	79	108851	46.981	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.960%
47) 2-Hexanone-d5	8.630	63	111977	59.055	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	59.060%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	353140	47.567	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.140%
66) 1,2-Dichlorobenzene-d4	12.190	152	273617	49.582	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	244202	63.046	ug/L	100
3) Chloromethane	1.518	50	227058	61.951	ug/L	99
5) Vinyl chloride	1.605	62	239691	59.426	ug/L	97
6) Bromomethane	1.833	94	132853	51.524	ug/L	99
8) Chloroethane	1.920	64	150252	56.791	ug/L	100
9) Trichlorofluoromethane	2.129	101	353648	61.367	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	216013	58.286	ug/L	100
12) 1,1-Dichloroethene	2.576	96	189957	57.599	ug/L	91
13) Acetone	2.618	43	288197	100.446	ug/L	99
14) Carbon disulfide	2.788	76	553407	55.141	ug/L	98
15) Methyl Acetate	2.939	43	193066	43.938	ug/L	95
16) Methylene chloride	3.039	84	225505	56.385	ug/L	94
17) trans-1,2-Dichloroethene	3.348	96	194387	57.642	ug/L	97
18) Methyl tert-butyl Ether	3.357	73	639789	58.992	ug/L	99
19) 1,1-Dichloroethane	3.862	63	390871	56.519	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	223222	57.997	ug/L	98
22) 2-Butanone	4.692	43	307073	88.794	ug/L	100
23) Bromochloromethane	4.968	128	117480	58.938	ug/L	96
25) Chloroform	5.081	83	412432	57.088	ug/L	99

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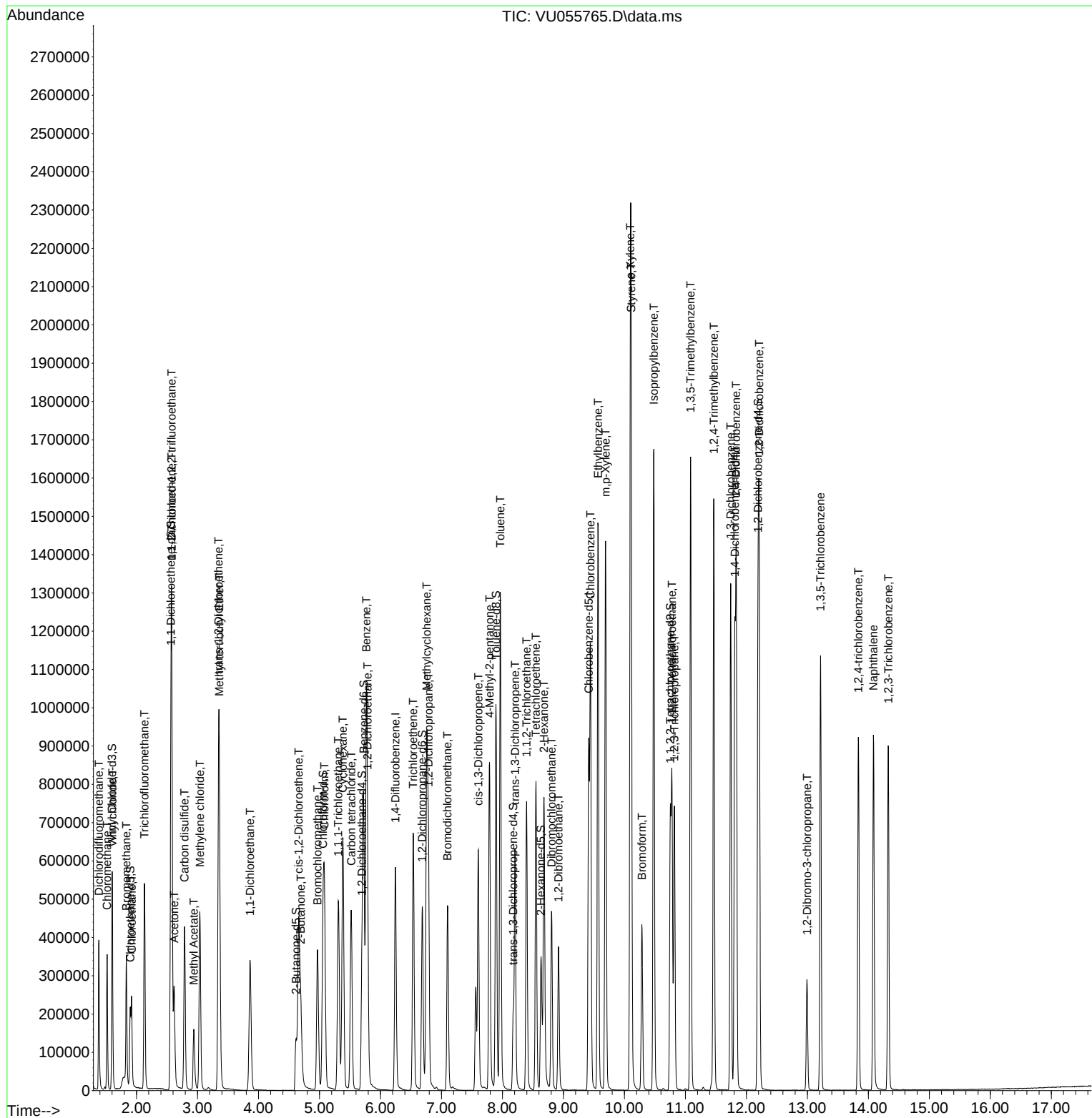
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	331561	57.382	ug/L	100
29) Cyclohexane	5.383	56	323280	59.231	ug/L	100
30) 1,1,1-Trichloroethane	5.309	97	364824	59.302	ug/L	99
31) Carbon tetrachloride	5.521	117	322076	59.811	ug/L	98
33) Benzene	5.769	78	872913	57.992	ug/L	100
34) Trichloroethene	6.537	95	234924	57.040	ug/L	98
35) Methylcyclohexane	6.759	83	350932	58.727	ug/L	99
37) 1,2-Dichloropropane	6.788	63	234528	56.583	ug/L	99
38) Bromodichloromethane	7.100	83	320428	58.622	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	375518	59.551	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	561509	97.379	ug/L	98
42) Toluene	7.965	91	939654	59.161	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	354733	58.794	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	231746	56.703	ug/L	98
46) Tetrachloroethene	8.550	164	164843	55.902	ug/L	96
48) 2-Hexanone	8.682	43	492837	101.187	ug/L	97
49) Dibromochloromethane	8.804	129	241833	57.910	ug/L	100
50) 1,2-Dibromoethane	8.920	107	244654	55.732	ug/L	96
51) Chlorobenzene	9.444	112	595195	57.919	ug/L	99
52) Ethylbenzene	9.566	91	1051146	60.534	ug/L	100
53) m,p-Xylene	9.692	106	409613	62.965	ug/L	96
54) o-Xylene	10.097	106	398102	63.239	ug/L	97
55) Styrene	10.113	104	704687	66.079	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	397319	56.775	ug/L	99
59) Bromoform	10.286	173	192012	56.090	ug/L	96
60) 1,2,3-Trichloropropane	10.820	75	315061	52.203	ug/L	99
61) Isopropylbenzene	10.483	105	1062285	61.276	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	898077	64.021	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	850915	61.345	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	518148	60.461	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	512079	58.117	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	508997	59.849	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	79503	44.062	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	326680	57.148	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	265009	55.657	ug/L	100
71) Naphthalene	14.084	128	736971	52.104	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	257969	54.951	ug/L	97

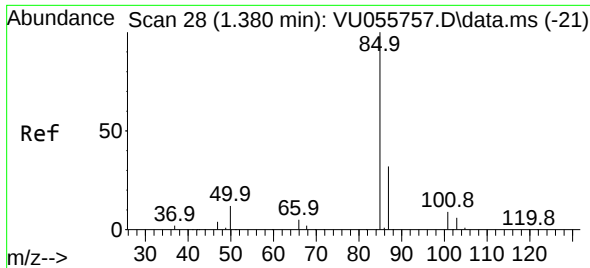
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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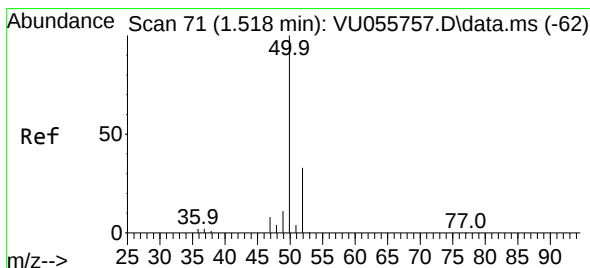
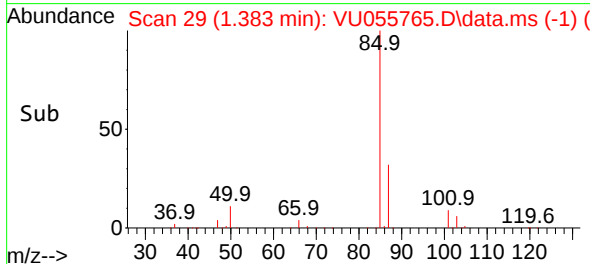
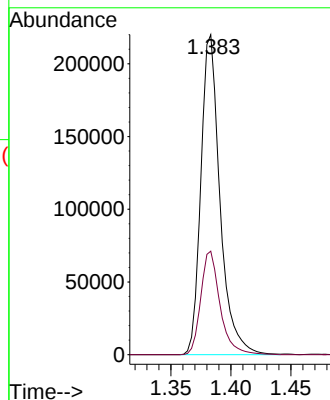
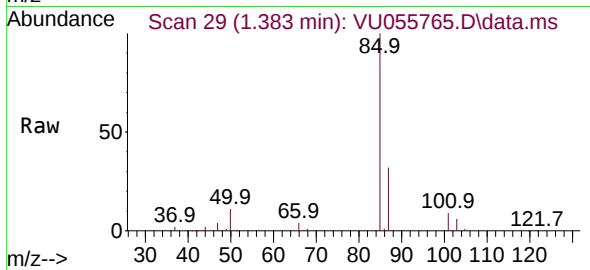




#2
 Dichlorodifluoromethane
 Concen: 63.046 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.003 min
 Lab File: VU055765.D
 Acq: 16 Oct 2023 09:37

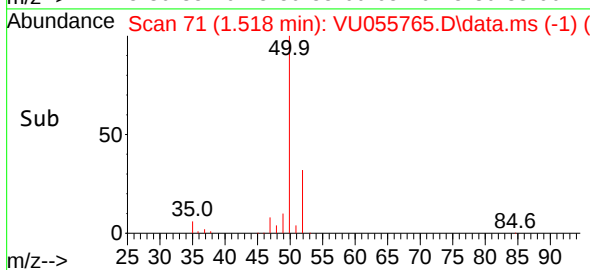
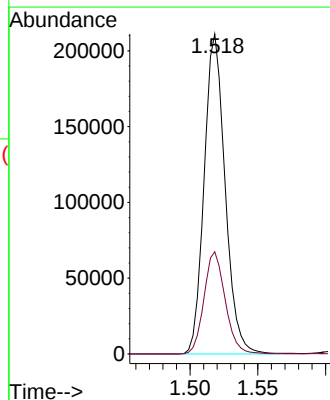
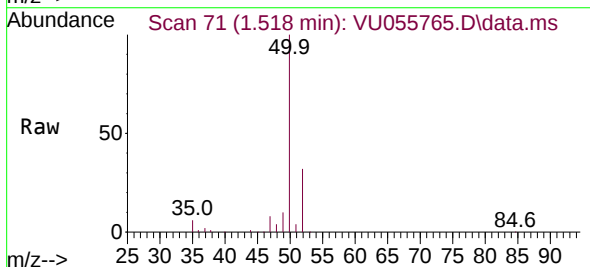
Instrument :
 MSVOA_U
 ClientSampleId :

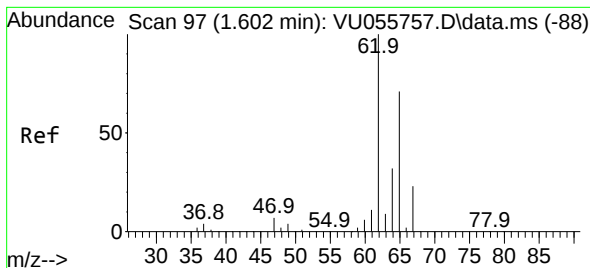
Tgt Ion: 85 Resp: 244202
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.0 39.0



#3
 Chloromethane
 Concen: 61.951 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU055765.D
 Acq: 16 Oct 2023 09:37

Tgt Ion: 50 Resp: 227058
 Ion Ratio Lower Upper
 50 100
 52 32.0 22.8 42.4





#5

Vinyl chloride

Concen: 59.426 ug/L

RT: 1.605 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

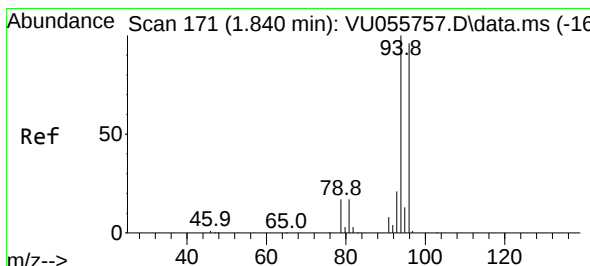
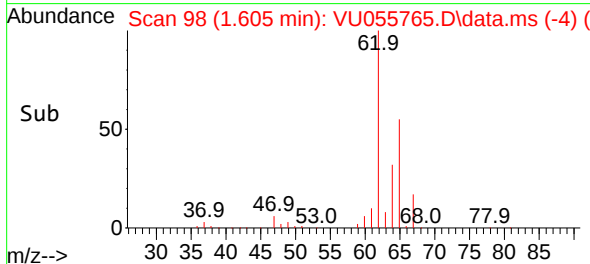
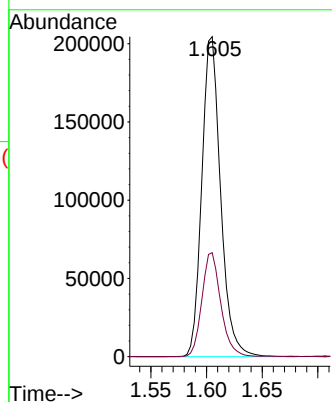
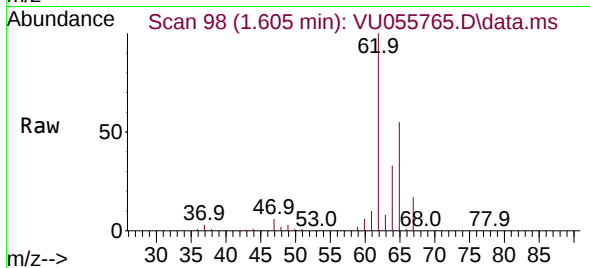
ClientSampleId :

Tgt Ion: 62 Resp: 239691

Ion Ratio Lower Upper

62 100

64 32.5 23.9 44.5



#6

Bromomethane

Concen: 51.524 ug/L

RT: 1.833 min Scan# 169

Delta R.T. -0.007 min

Lab File: VU055765.D

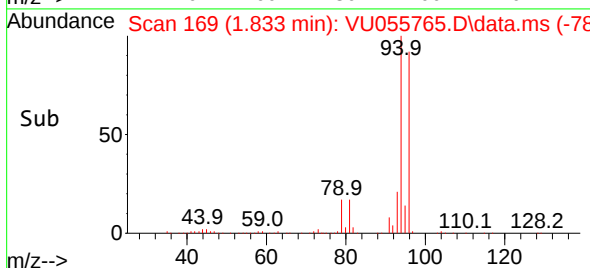
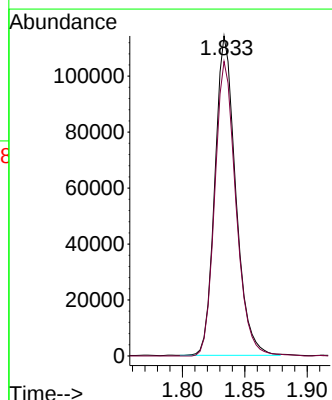
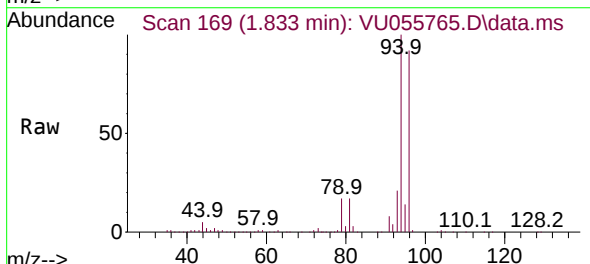
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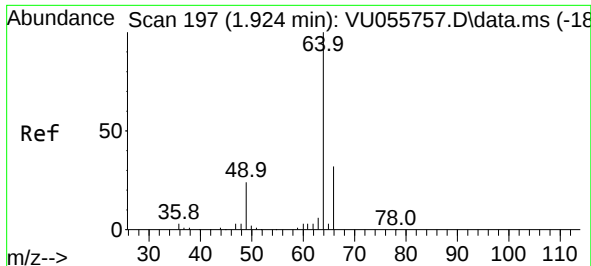
Tgt Ion: 94 Resp: 132853

Ion Ratio Lower Upper

94 100

96 92.0 63.5 117.9

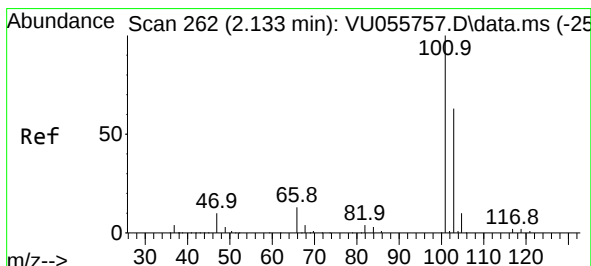
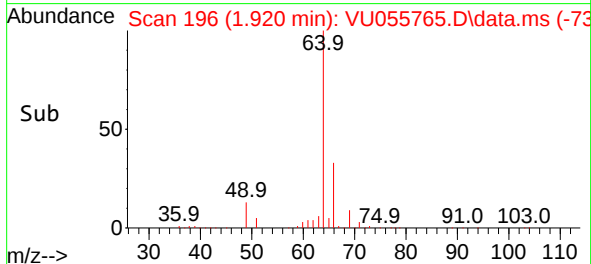
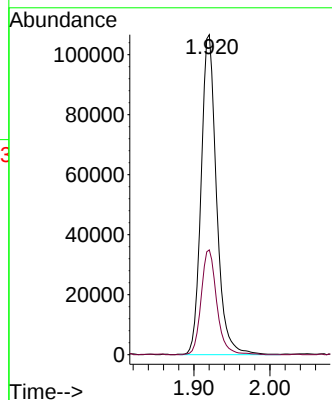
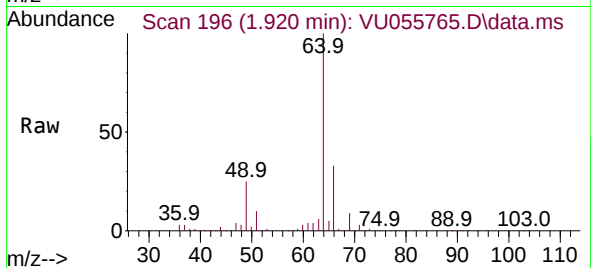




#8
Chloroethane
Concen: 56.791 ug/L
RT: 1.920 min Scan# 197
Delta R.T. -0.003 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

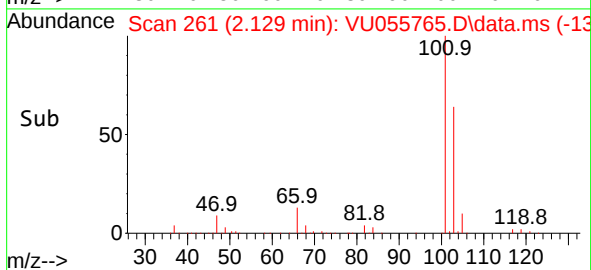
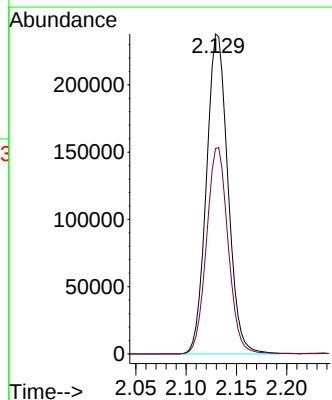
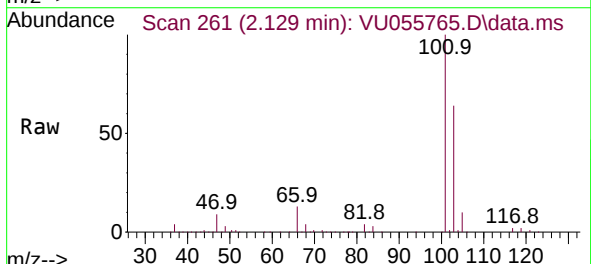
Instrument :
MSVOA_U
ClientSampleId :

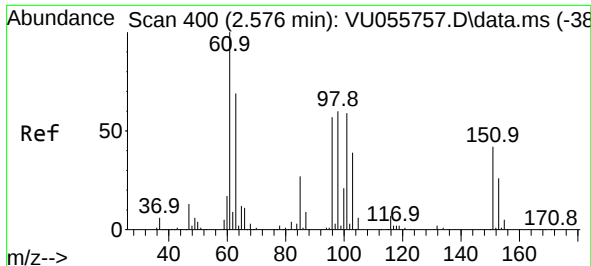
Tgt Ion: 64 Resp: 150252
Ion Ratio Lower Upper
64 100
66 32.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 61.367 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.003 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

Tgt Ion:101 Resp: 353648
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9

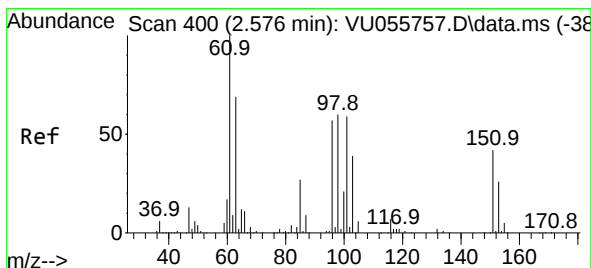
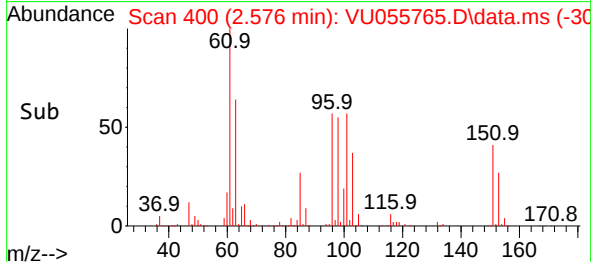
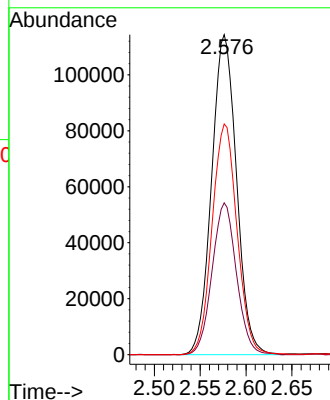
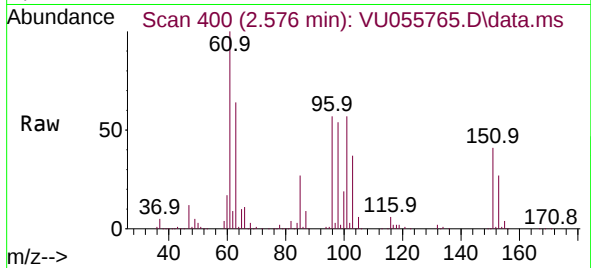




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 58.286 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055765.D
 Acq: 16 Oct 2023 09:37

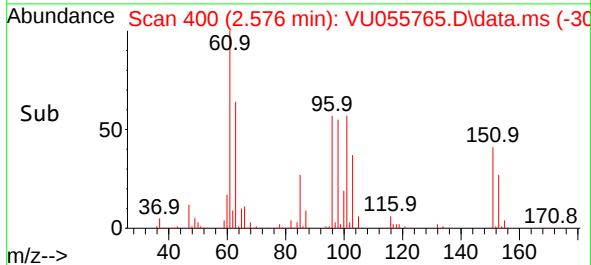
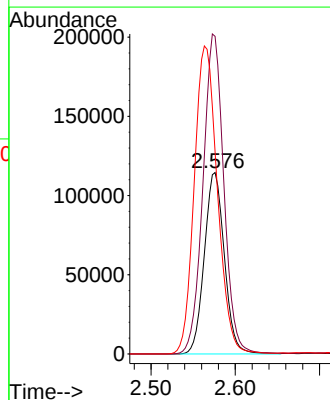
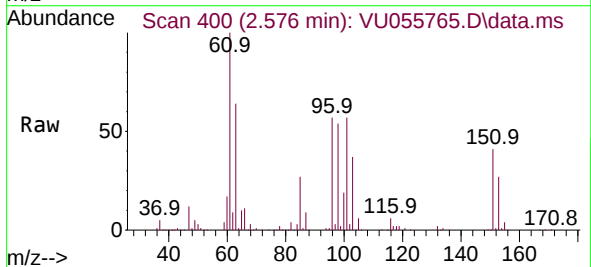
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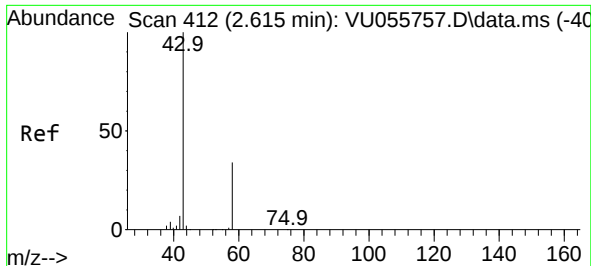
Tgt Ion:101 Resp: 216013
 Ion Ratio Lower Upper
 101 100
 85 46.5 37.1 55.7
 151 72.3 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 57.599 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055765.D
 Acq: 16 Oct 2023 09:37

Tgt Ion: 96 Resp: 189957
 Ion Ratio Lower Upper
 96 100
 61 175.0 122.0 226.6
 63 111.4 93.7 174.1





#13

Acetone

Concen: 100.446 ug/L

RT: 2.618 min Scan# 412

Delta R.T. 0.003 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

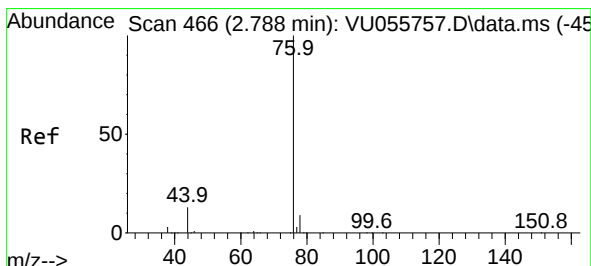
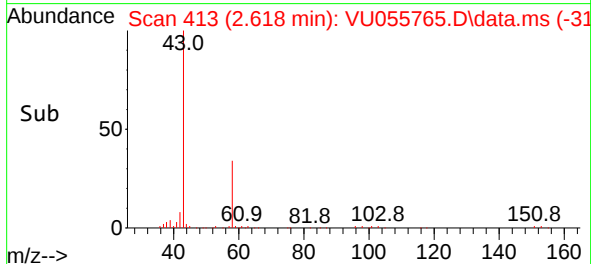
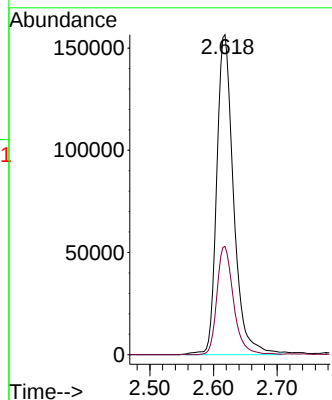
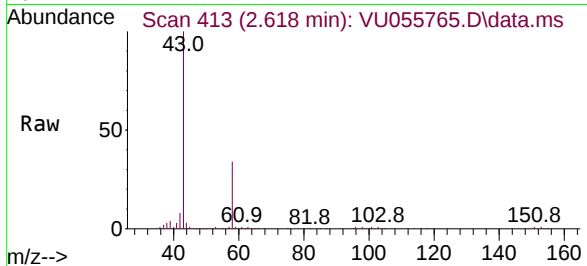
ClientSampleId :

Tgt Ion: 43 Resp: 288197

Ion Ratio Lower Upper

43 100

58 33.1 0.0 67.4



#14

Carbon disulfide

Concen: 55.141 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU055765.D

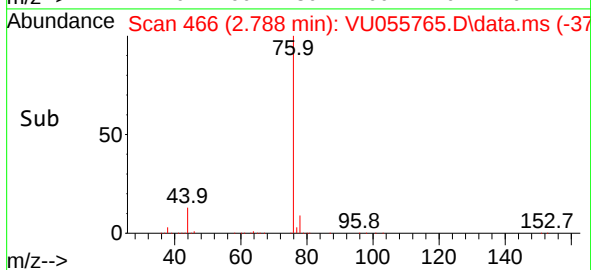
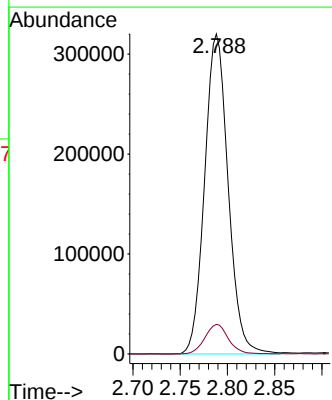
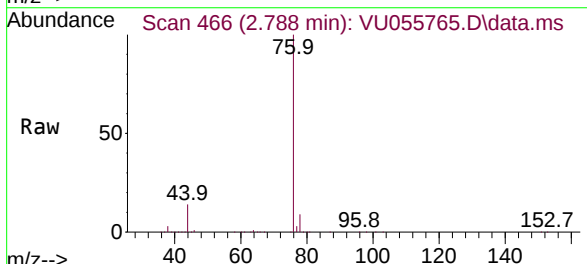
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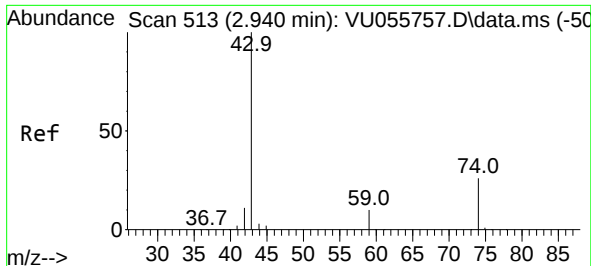
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Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2

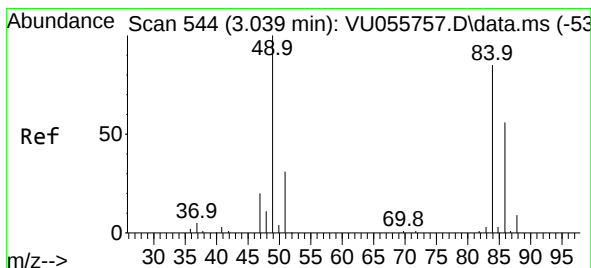
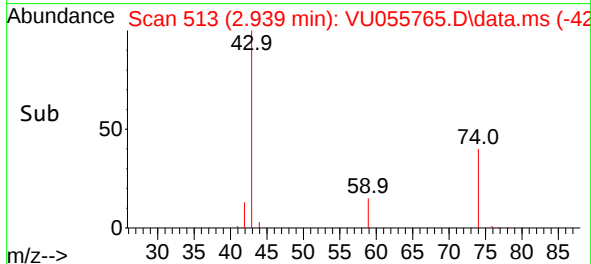
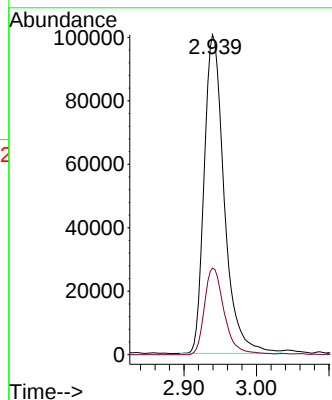
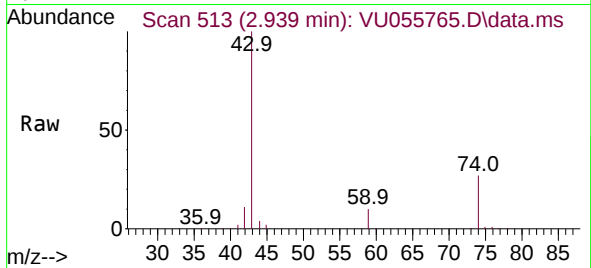




#15
Methyl Acetate
Concen: 43.938 ug/L
RT: 2.939 min Scan# 513
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

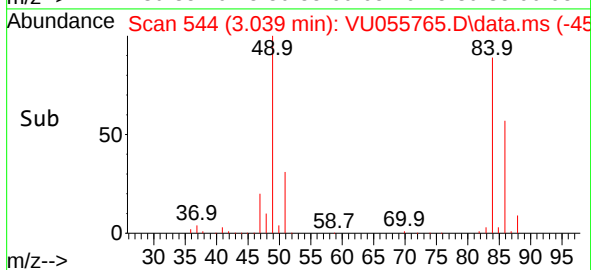
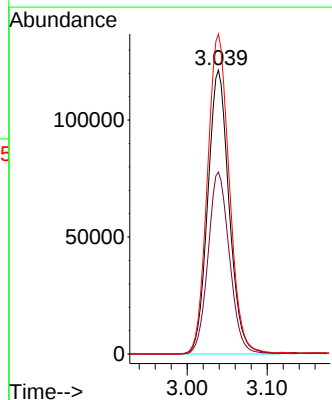
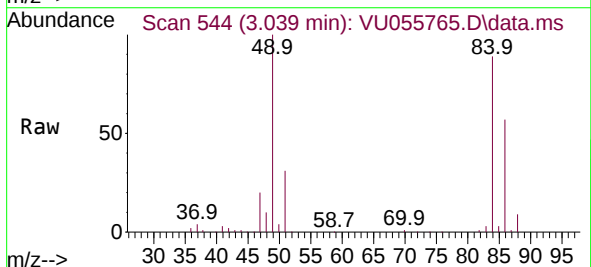
Instrument :
MSVOA_U
ClientSampleId :

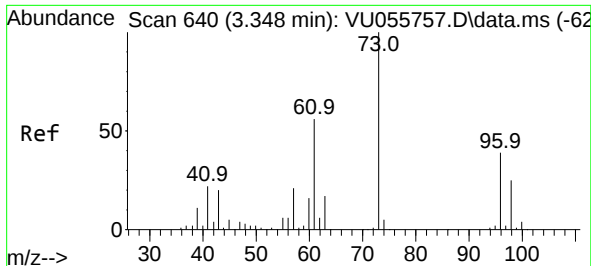
Tgt Ion: 43 Resp: 193066
Ion Ratio Lower Upper
43 100
74 26.9 19.5 29.3



#16
Methylene chloride
Concen: 56.385 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

Tgt Ion: 84 Resp: 225505
Ion Ratio Lower Upper
84 100
86 64.1 46.3 86.1
49 112.7 84.8 157.6



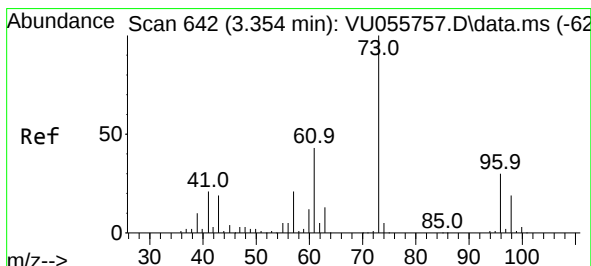
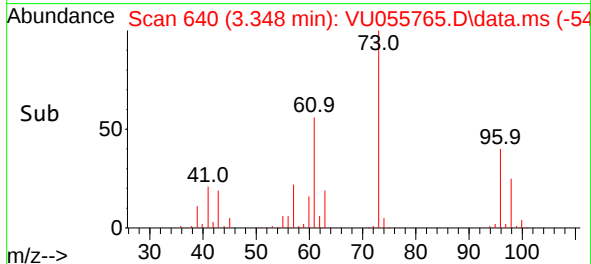
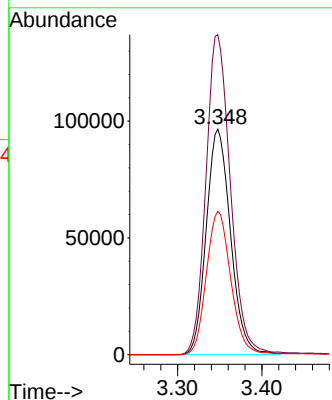
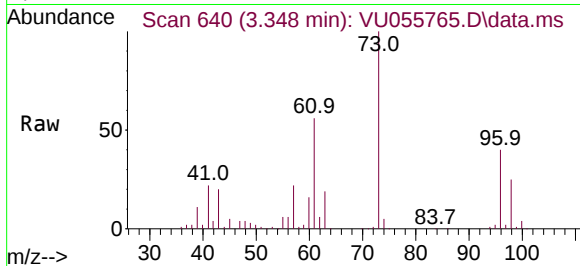


#17
 trans-1,2-Dichloroethene
 Concen: 57.642 ug/L
 RT: 3.348 min Scan# 640
 Delta R.T. -0.000 min
 Lab File: VU055765.D
 Acq: 16 Oct 2023 09:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 96 Resp: 194387

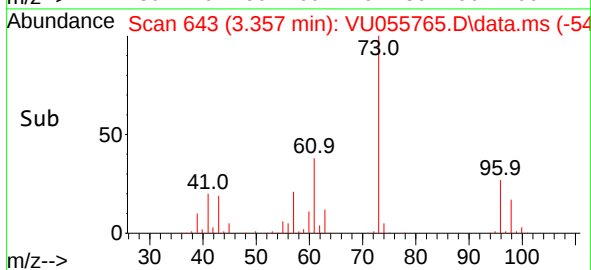
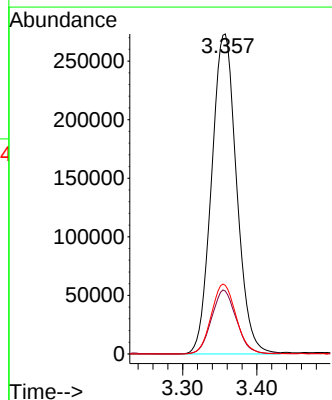
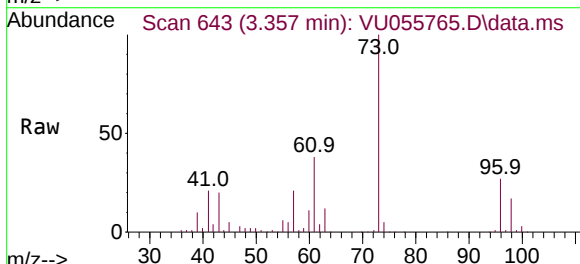
Ion	Ratio	Lower	Upper
96	100		
61	141.8	102.1	189.7
98	63.6	46.3	86.1

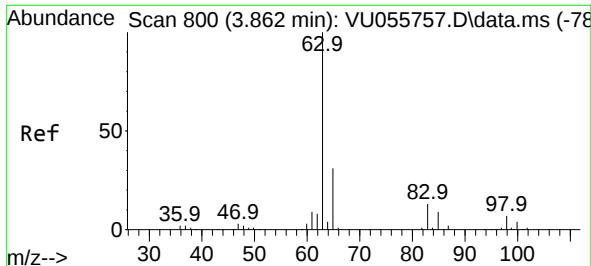


#18
 Methyl tert-butyl Ether
 Concen: 58.992 ug/L
 RT: 3.357 min Scan# 643
 Delta R.T. 0.003 min
 Lab File: VU055765.D
 Acq: 16 Oct 2023 09:37

Tgt Ion: 73 Resp: 639789

Ion	Ratio	Lower	Upper
73	100		
43	19.6	15.4	23.2
57	21.6	17.7	26.5





#19

1,1-Dichloroethane

Concen: 56.519 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

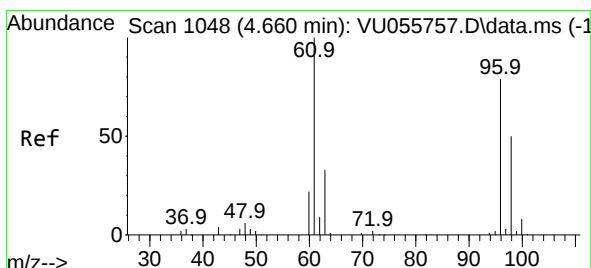
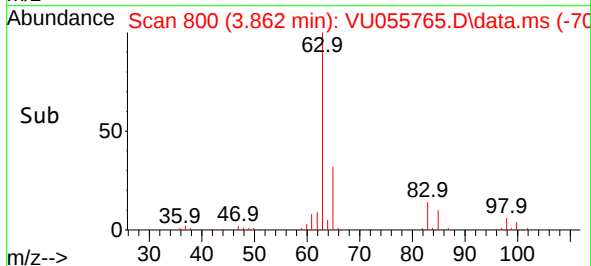
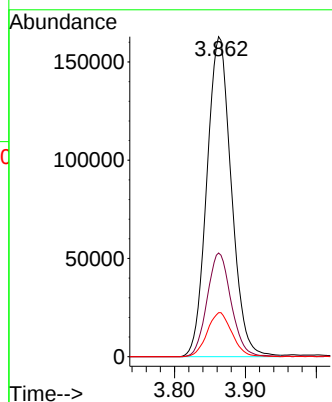
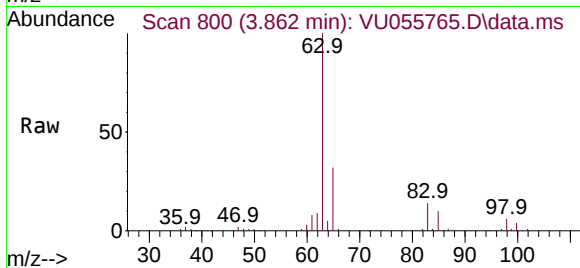
Tgt Ion: 63 Resp: 390871

Ion Ratio Lower Upper

63 100

65 32.4 22.3 41.5

83 13.8 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 57.997 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

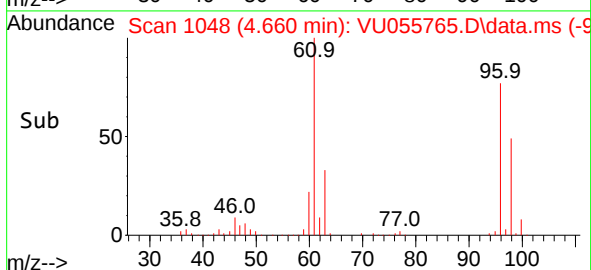
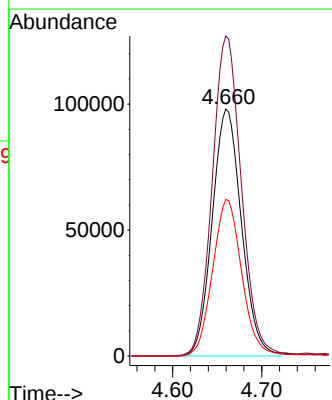
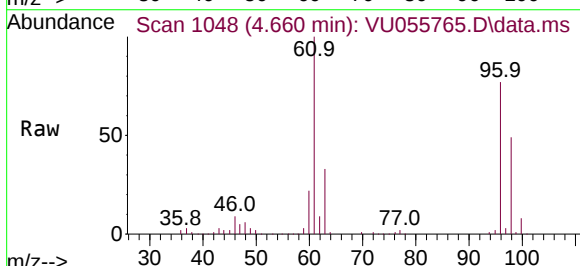
Tgt Ion: 96 Resp: 223222

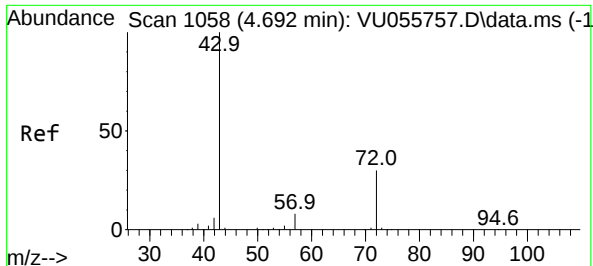
Ion Ratio Lower Upper

96 100

61 129.6 92.3 171.5

98 63.4 43.9 81.5

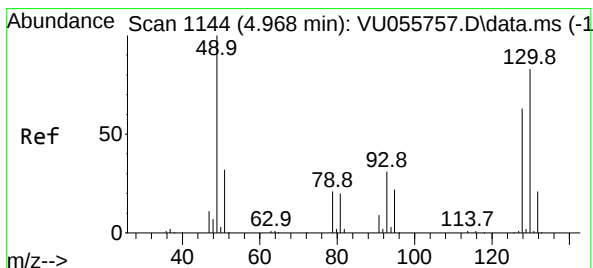
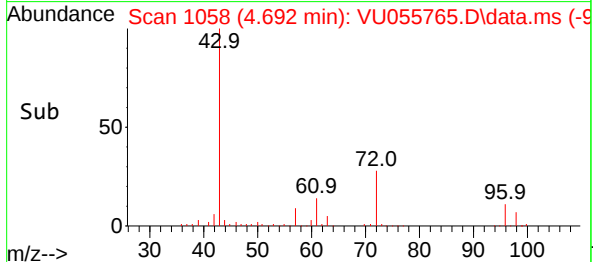
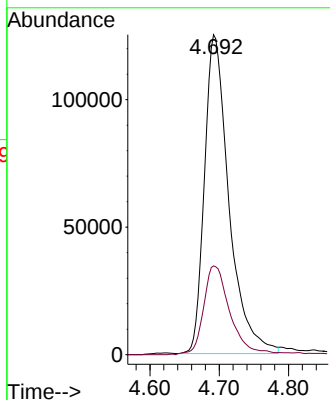
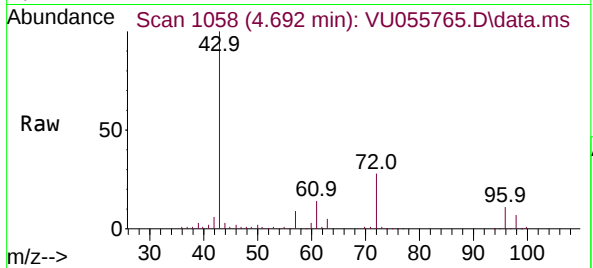




#22
2-Butanone
Concen: 88.794 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

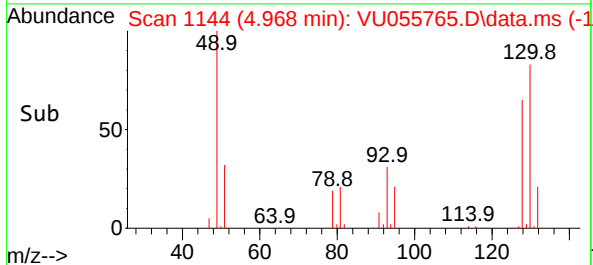
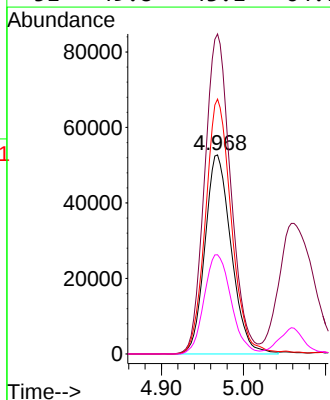
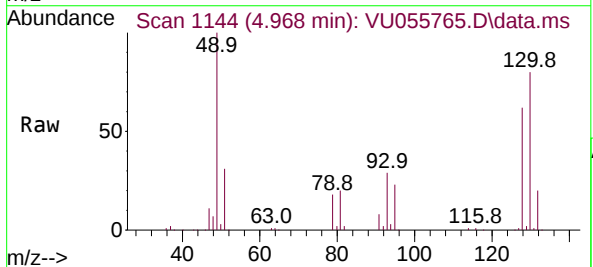
Instrument :
MSVOA_U
ClientSampleId :

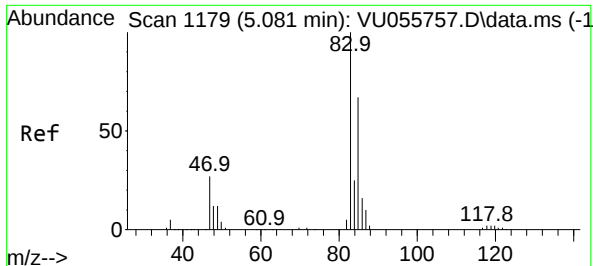
Tgt Ion: 43 Resp: 307073
Ion Ratio Lower Upper
43 100
72 29.3 14.6 44.0



#23
Bromochloromethane
Concen: 58.938 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

Tgt Ion:128 Resp: 117480
Ion Ratio Lower Upper
128 100
49 160.8 116.3 216.1
130 128.1 91.6 170.0
51 49.8 43.1 64.7





#25

Chloroform

Concen: 57.088 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

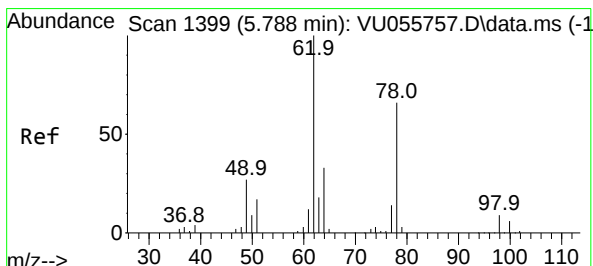
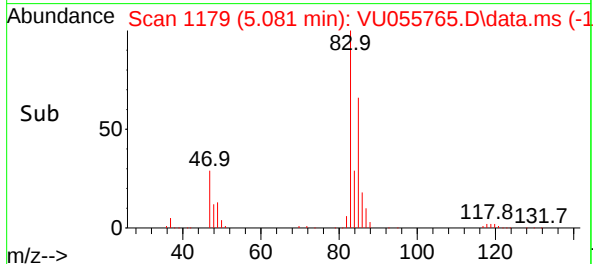
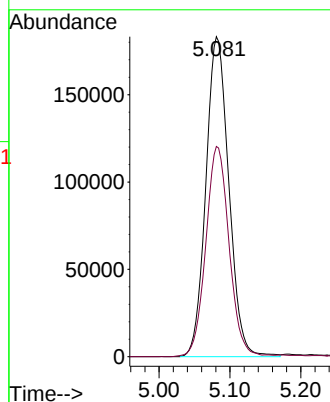
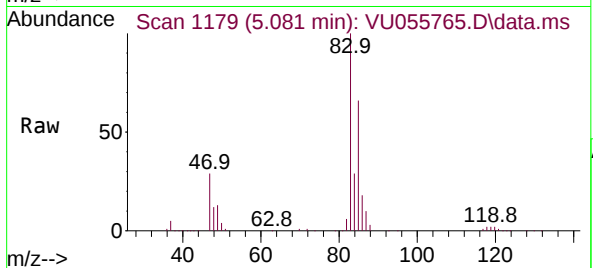
ClientSampleId :

Tgt Ion: 83 Resp: 412432

Ion Ratio Lower Upper

83 100

85 65.7 46.3 86.1



#27

1,2-Dichloroethane

Concen: 57.382 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU055765.D

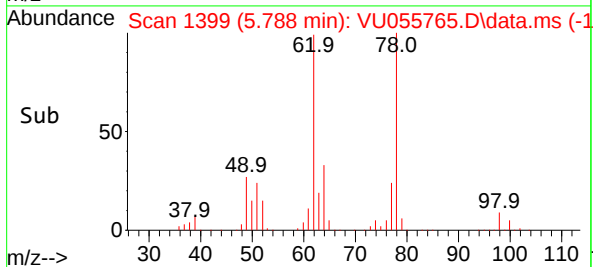
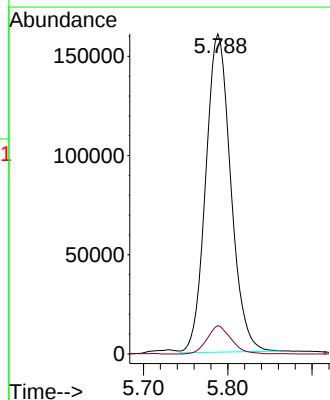
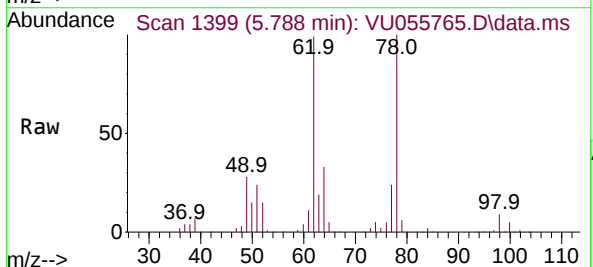
Acq: 16 Oct 2023 09:37

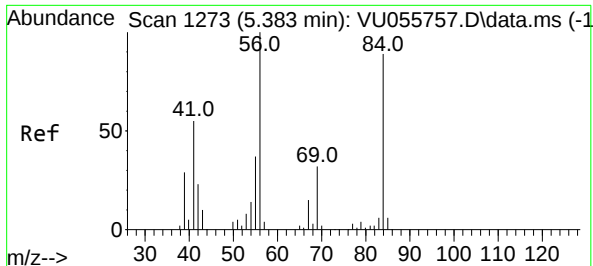
Tgt Ion: 62 Resp: 331561

Ion Ratio Lower Upper

62 100

98 8.8 7.2 10.8





#29

Cyclohexane

Concen: 59.231 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

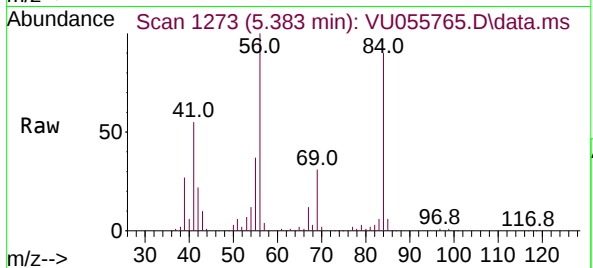
Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :



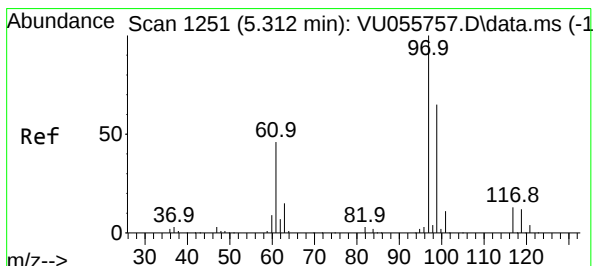
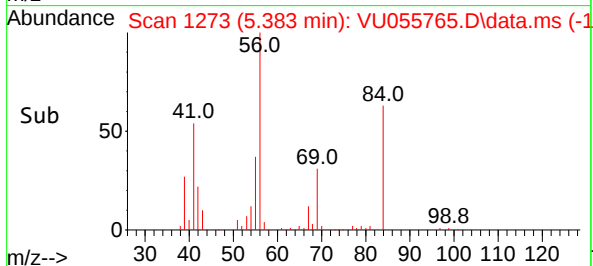
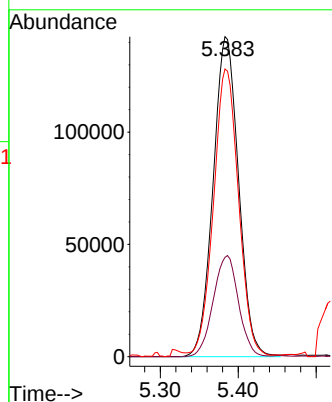
Tgt Ion: 56 Resp: 323280

Ion Ratio Lower Upper

56 100

69 31.4 24.9 37.3

84 88.5 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 59.302 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

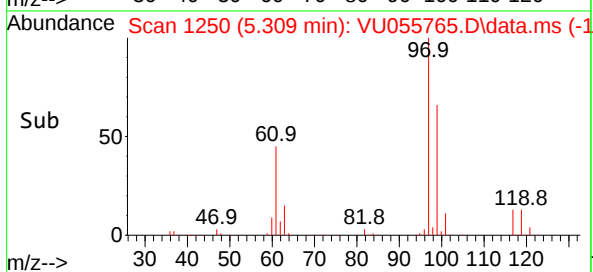
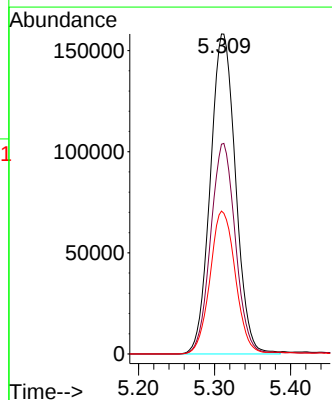
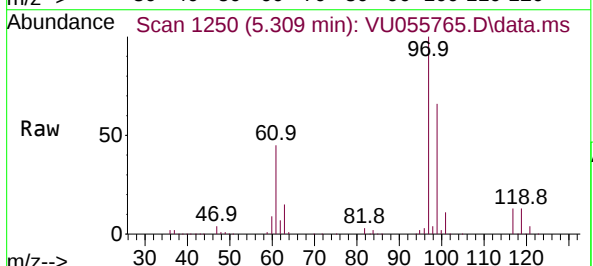
Tgt Ion: 97 Resp: 364824

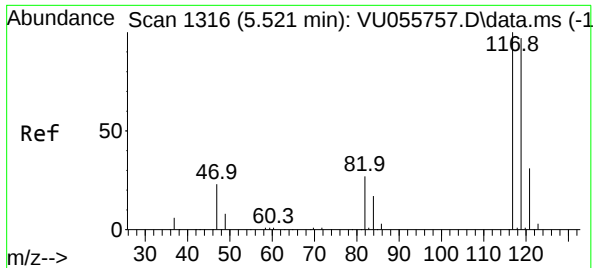
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 44.8 36.8 55.2

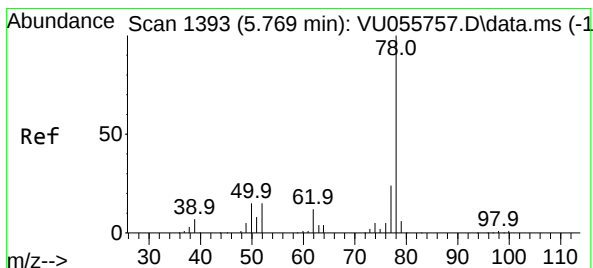
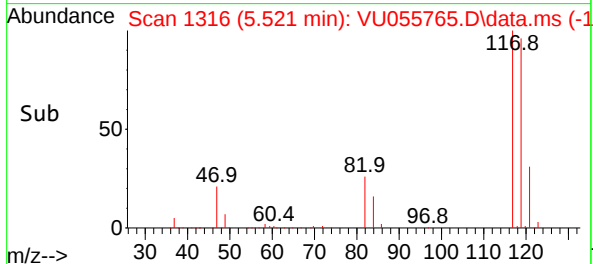
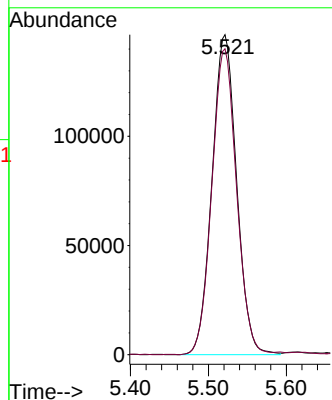
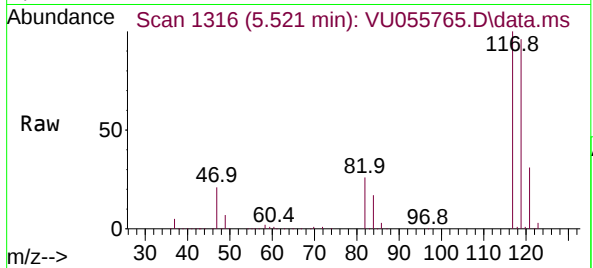




#31
Carbon tetrachloride
Concen: 59.811 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

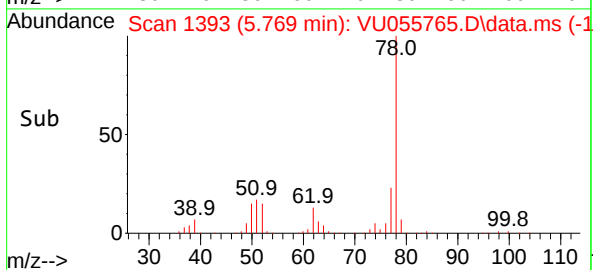
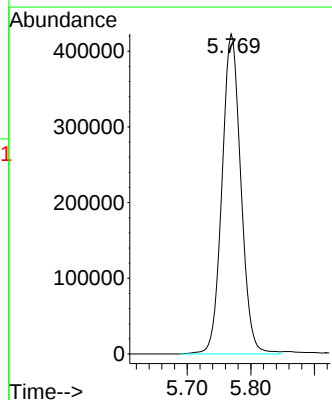
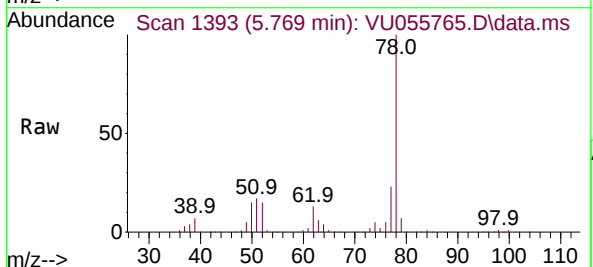
Instrument :
MSVOA_U
ClientSampleId :

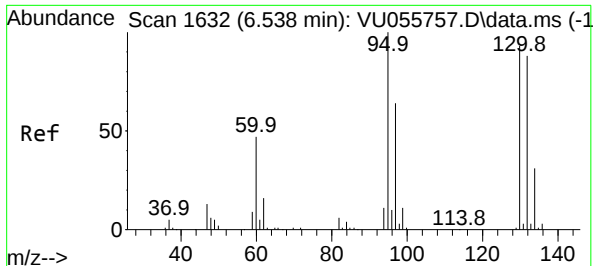
Tgt Ion:117 Resp: 322076
Ion Ratio Lower Upper
117 100
119 96.0 75.4 113.0



#33
Benzene
Concen: 57.992 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

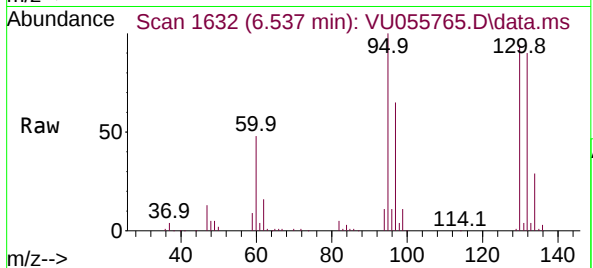
Tgt Ion: 78 Resp: 872913



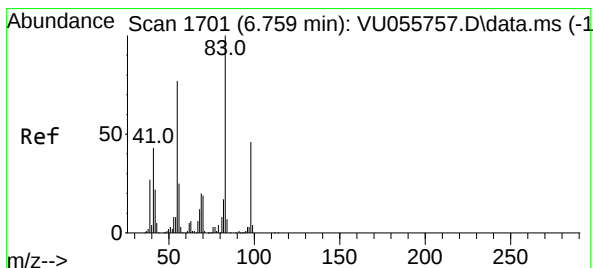
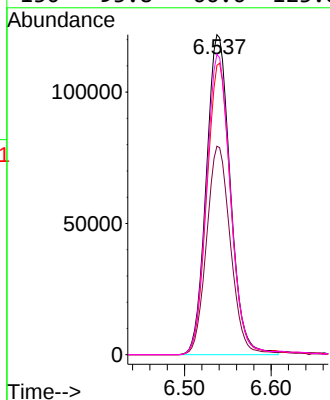
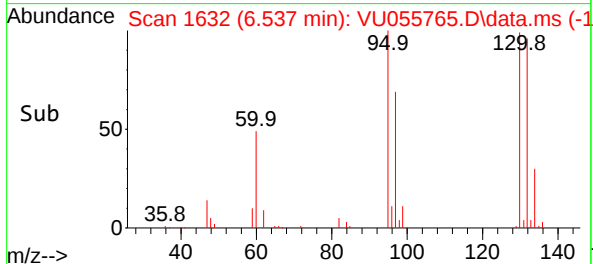


#34
Trichloroethene
Concen: 57.040 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

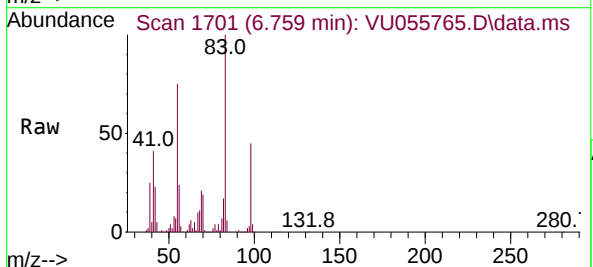
Instrument :
MSVOA_U
ClientSampleId :



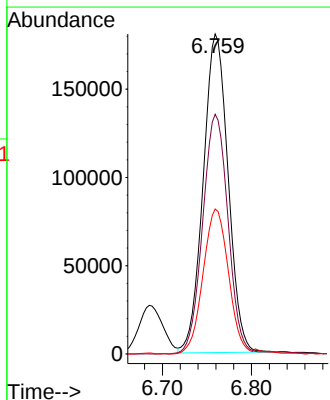
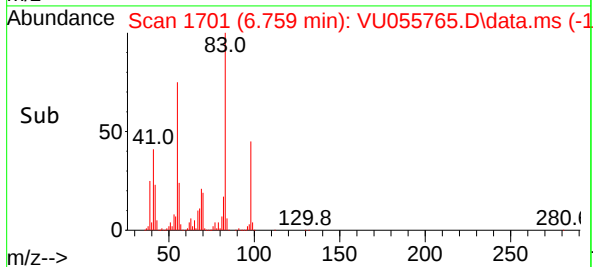
Tgt Ion: 95 Resp: 234924
Ion Ratio Lower Upper
95 100
97 65.2 44.4 82.5
132 90.4 61.8 114.8
130 93.8 66.6 123.8

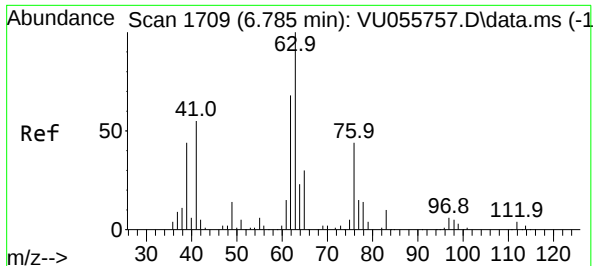


#35
Methylcyclohexane
Concen: 58.727 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37



Tgt Ion: 83 Resp: 350932
Ion Ratio Lower Upper
83 100
55 76.4 61.2 91.8
98 46.4 35.8 53.6





#37

1,2-Dichloropropane

Concen: 56.583 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

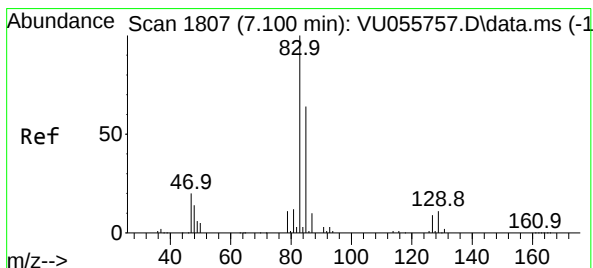
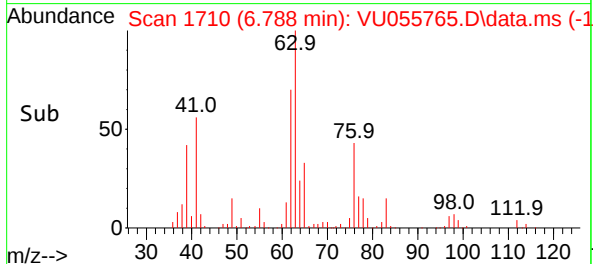
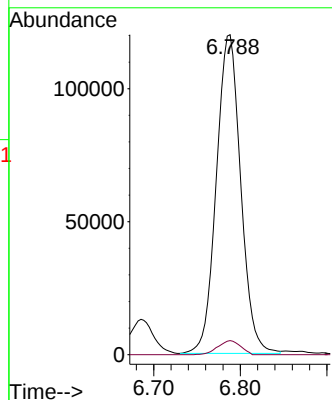
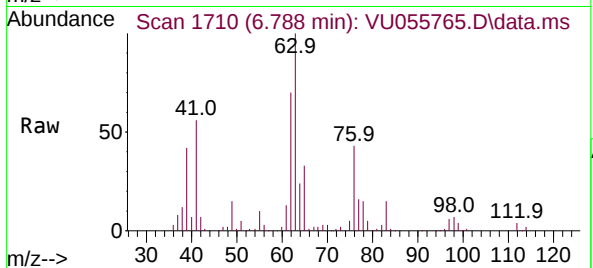
ClientSampleId :

Tgt Ion: 63 Resp: 234528

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.4



#38

Bromodichloromethane

Concen: 58.622 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

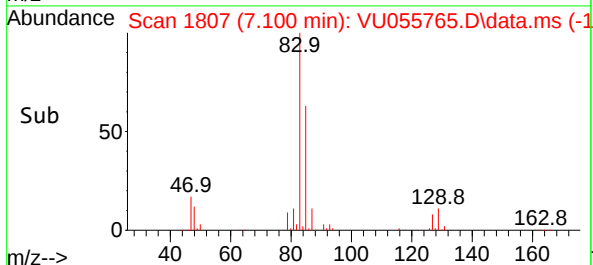
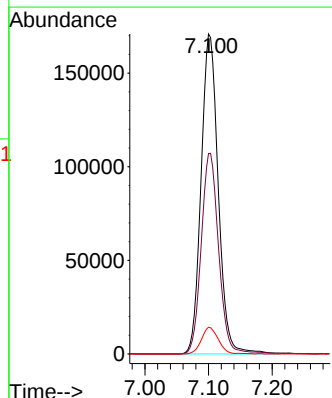
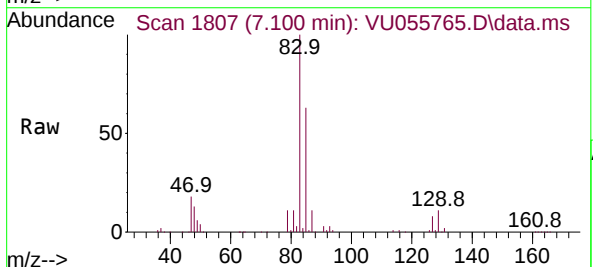
Tgt Ion: 83 Resp: 320428

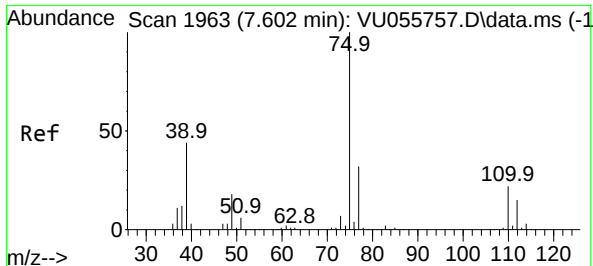
Ion Ratio Lower Upper

83 100

85 62.6 46.0 85.4

127 8.3 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 59.551 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

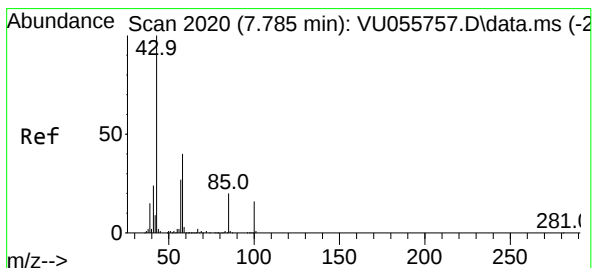
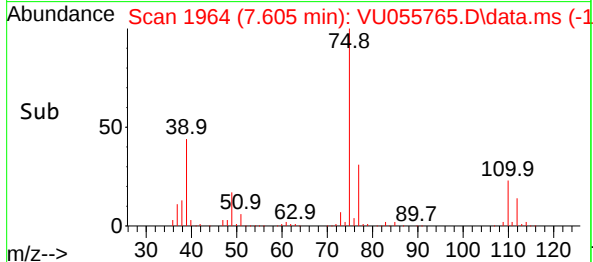
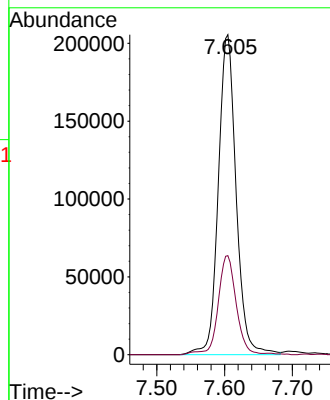
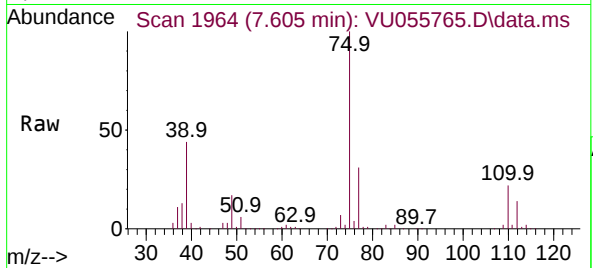
ClientSampleId :

Tgt Ion: 75 Resp: 375518

Ion Ratio Lower Upper

75 100

77 30.9 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 97.379 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

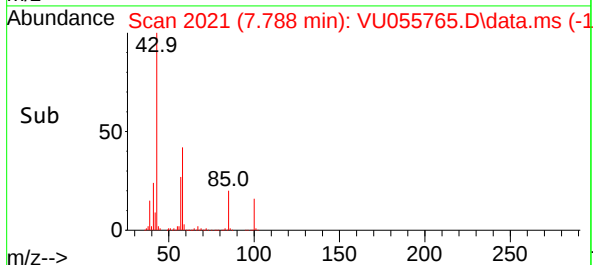
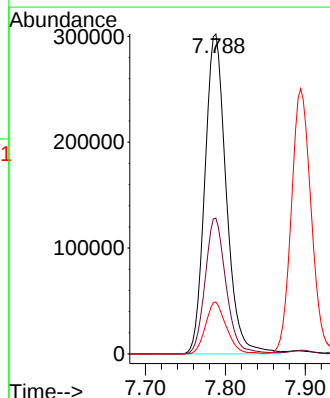
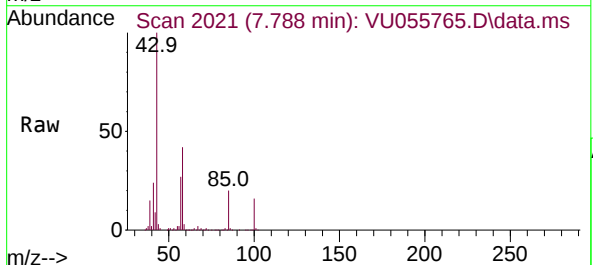
Tgt Ion: 43 Resp: 561509

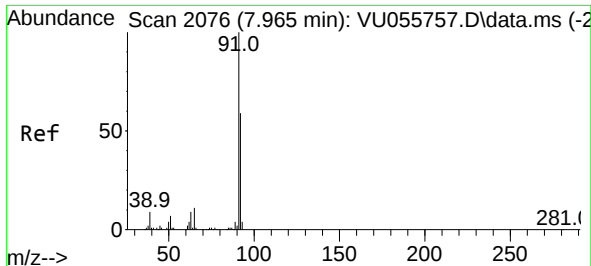
Ion Ratio Lower Upper

43 100

58 41.8 32.3 48.5

100 15.9 12.0 18.0





#42

Toluene

Concen: 59.161 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

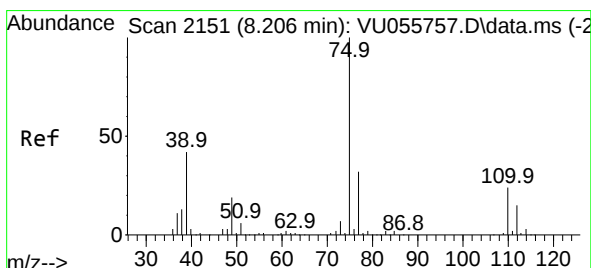
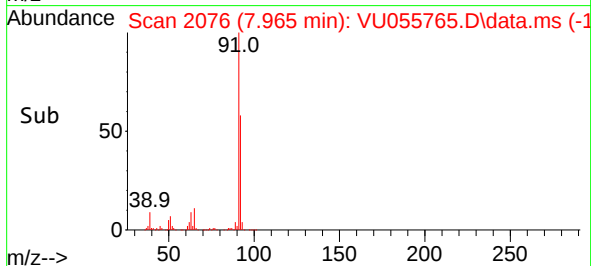
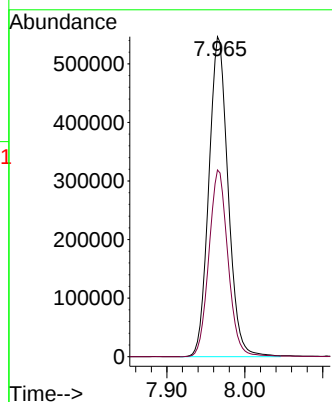
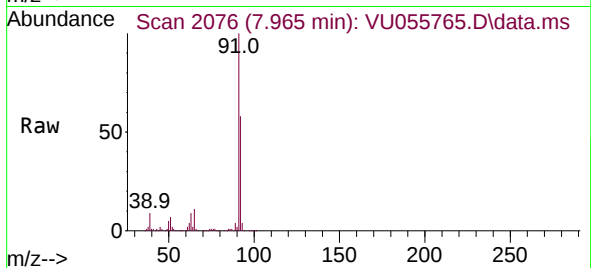
ClientSampleId :

Tgt Ion: 91 Resp: 939654

Ion Ratio Lower Upper

91 100

92 58.4 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 58.794 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU055765.D

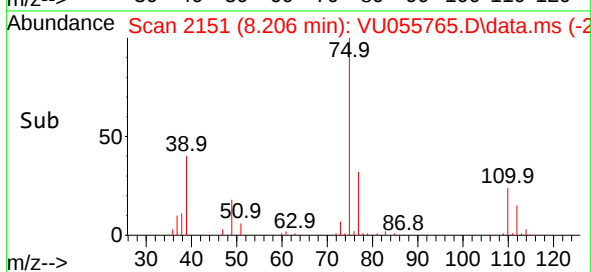
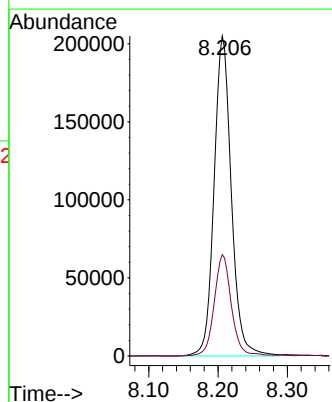
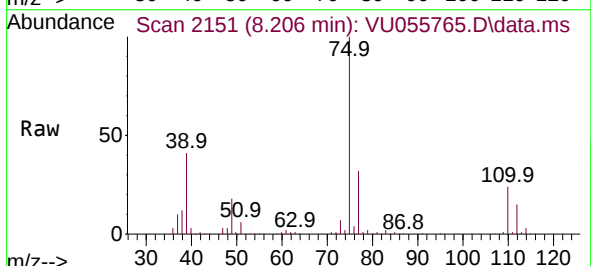
Acq: 16 Oct 2023 09:37

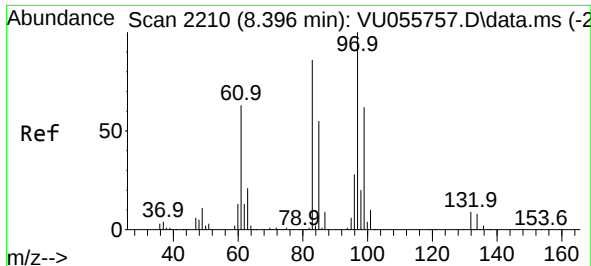
Tgt Ion: 75 Resp: 354733

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 56.703 ug/L

RT: 8.396 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 231746

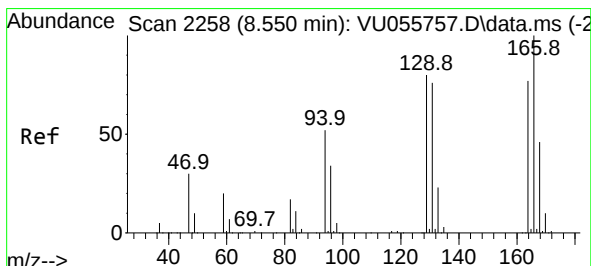
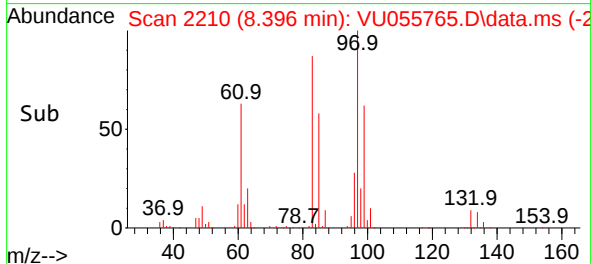
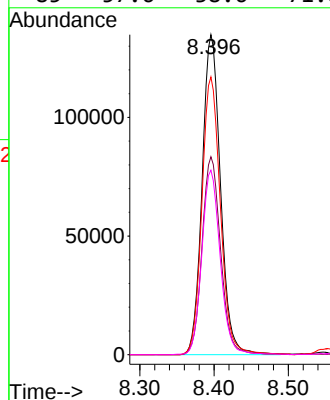
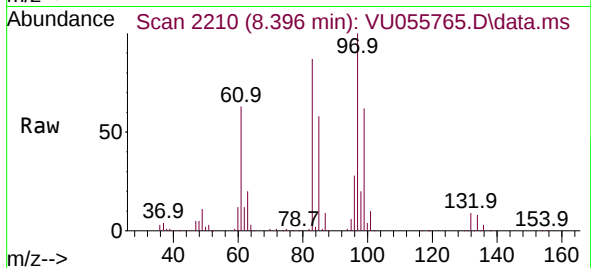
Ion Ratio Lower Upper

97 100

99 61.9 44.4 82.5

83 86.8 60.4 112.2

85 57.6 38.6 71.8



#46

Tetrachloroethene

Concen: 55.902 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Tgt Ion:164 Resp: 164843

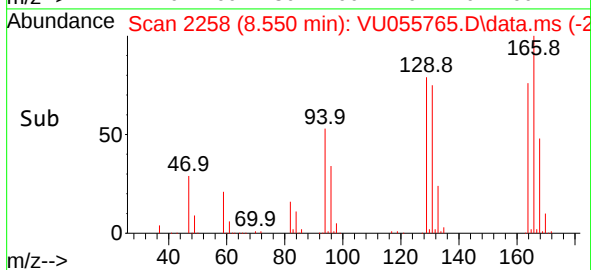
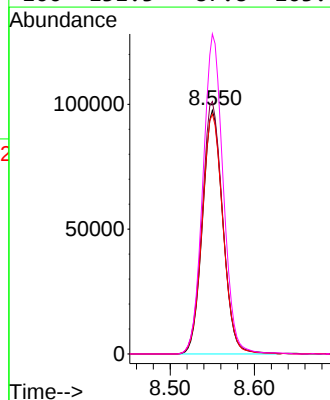
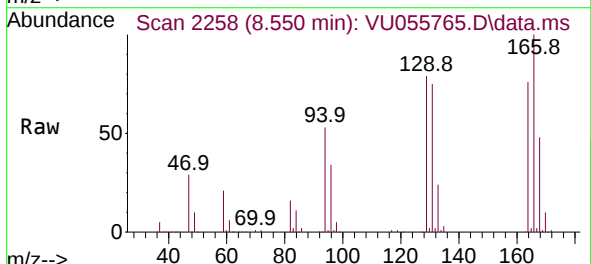
Ion Ratio Lower Upper

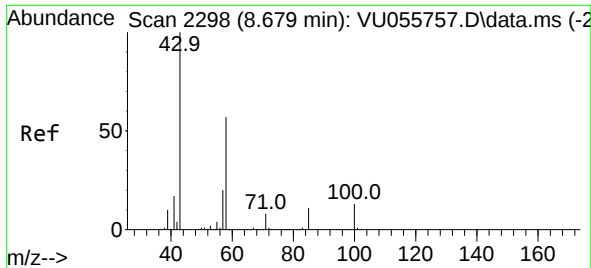
164 100

129 103.6 70.7 131.3

131 98.5 65.9 122.5

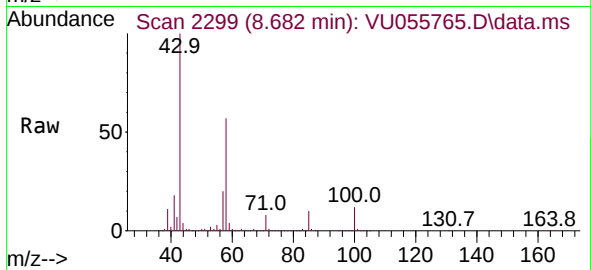
166 131.3 87.8 163.0



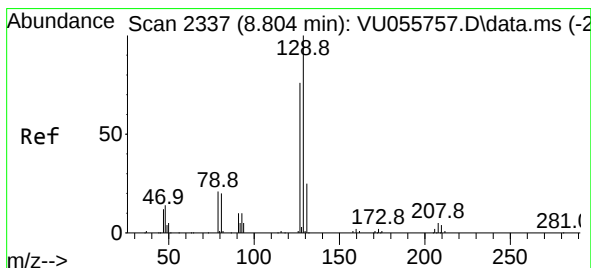
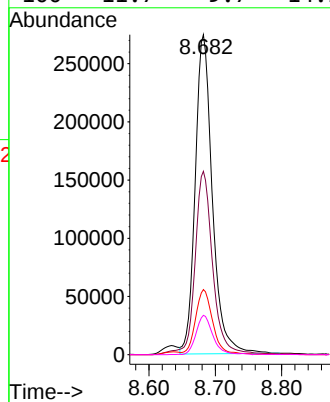
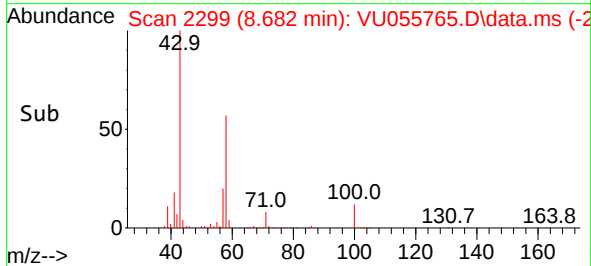


#48
2-Hexanone
Concen: 101.187 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

Instrument :
MSVOA_U
ClientSampleId :

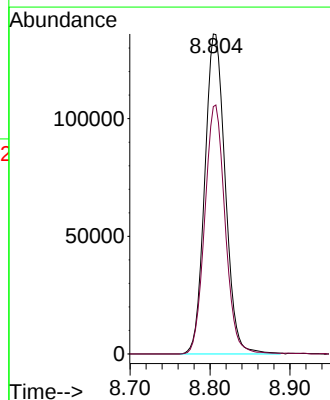
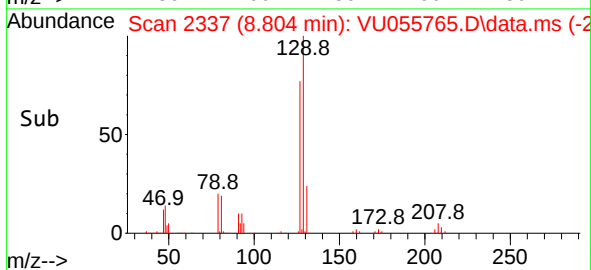
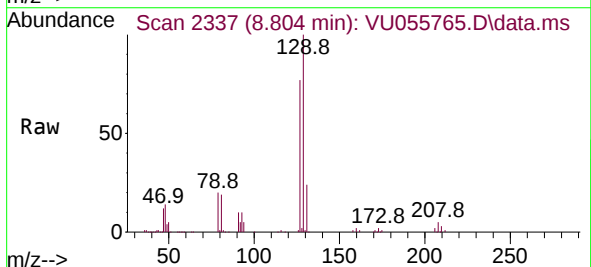


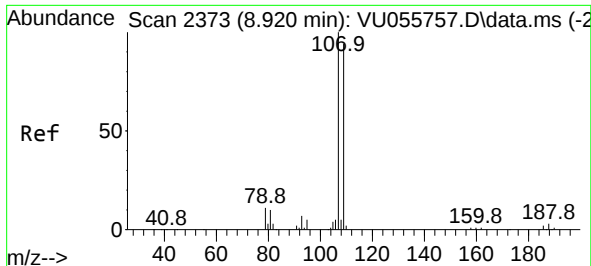
Tgt Ion: 43 Resp: 492837
Ion Ratio Lower Upper
43 100
58 59.4 45.2 67.8
57 20.3 16.1 24.1
100 11.7 9.7 14.5



#49
Dibromochloromethane
Concen: 57.910 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

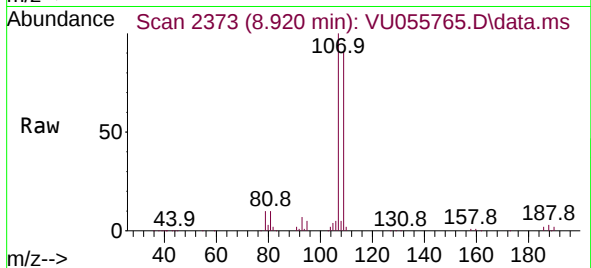
Tgt Ion: 129 Resp: 241833
Ion Ratio Lower Upper
129 100
127 77.3 54.0 100.4



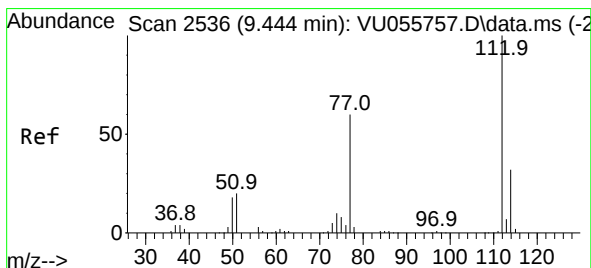
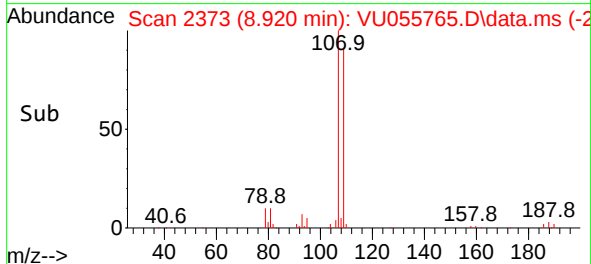
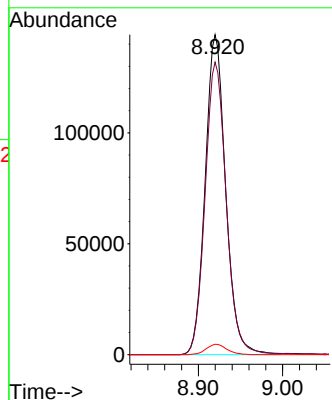


#50
1,2-Dibromoethane
Concen: 55.732 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

Instrument :
MSVOA_U
ClientSampleId :

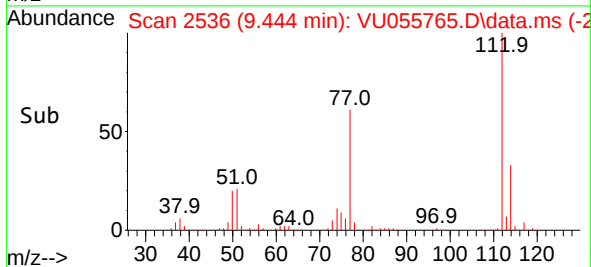
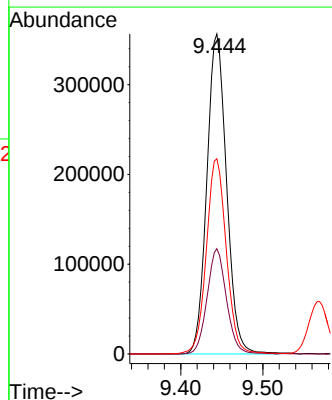
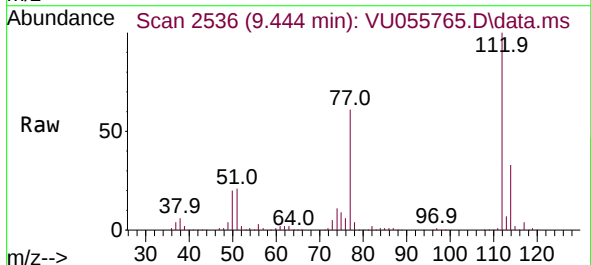


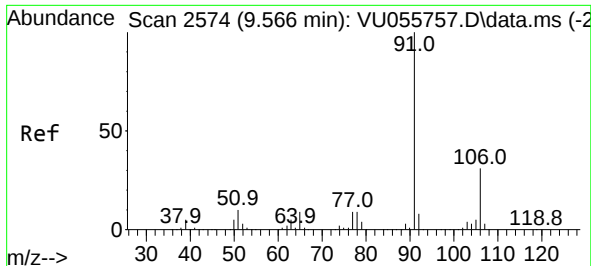
Tgt Ion:107 Resp: 244654
Ion Ratio Lower Upper
107 100
109 91.4 66.7 123.9
188 3.4 2.6 4.0



#51
Chlorobenzene
Concen: 57.919 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

Tgt Ion:112 Resp: 595195
Ion Ratio Lower Upper
112 100
114 32.9 22.0 40.8
77 61.0 49.0 73.6

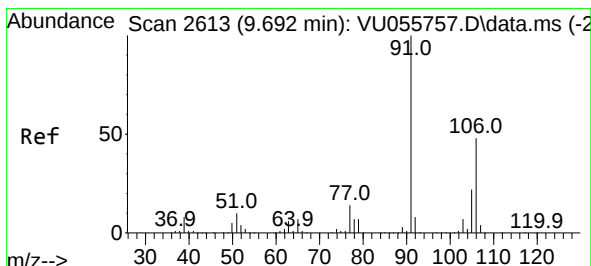
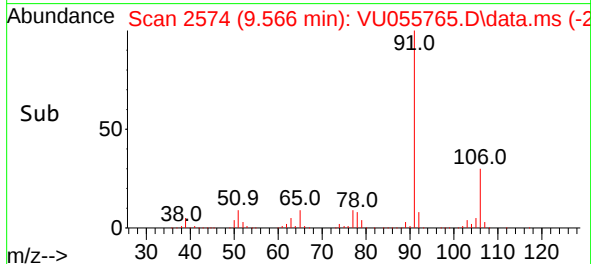
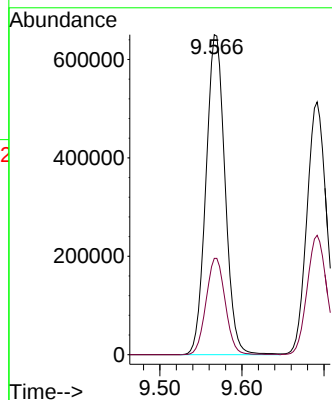
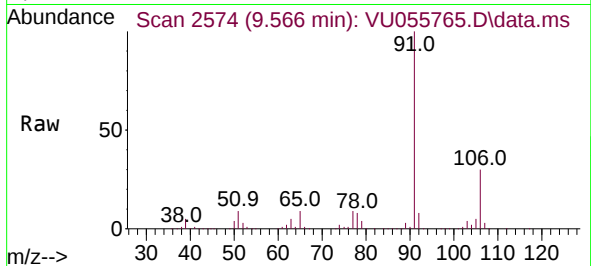




#52
Ethylbenzene
Concen: 60.534 ug/L
RT: 9.566 min Scan# 21146
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

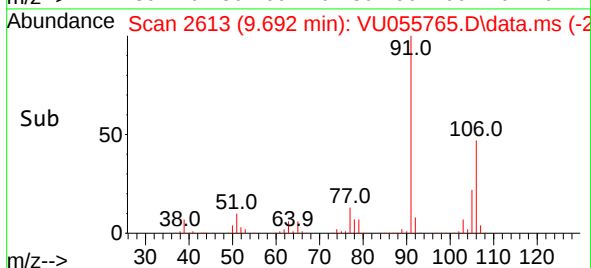
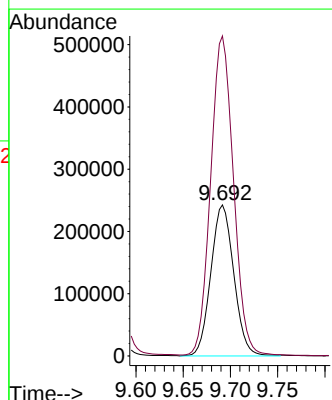
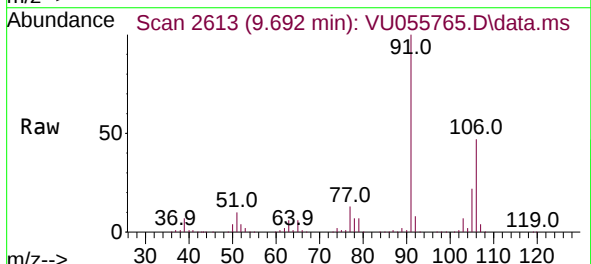
Instrument :
MSVOA_U
ClientSampleId :

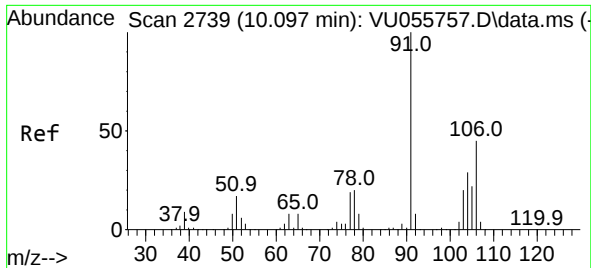
Tgt Ion: 91 Resp: 1051146
Ion Ratio Lower Upper
91 100
106 30.1 21.2 39.4



#53
m,p-Xylene
Concen: 62.965 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

Tgt Ion:106 Resp: 409613
Ion Ratio Lower Upper
106 100
91 211.8 143.8 267.0

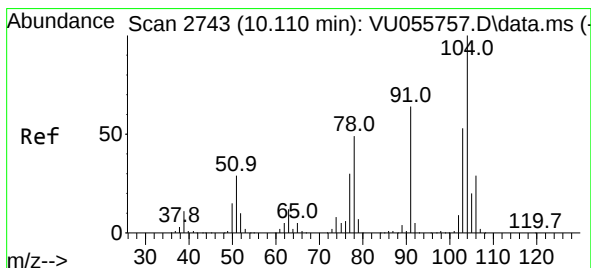
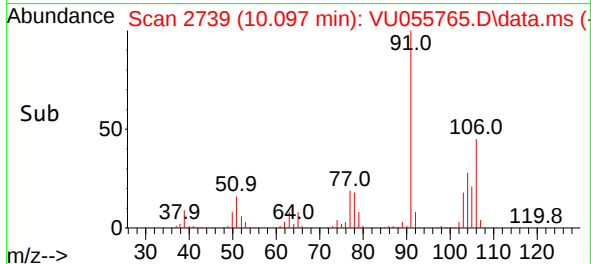
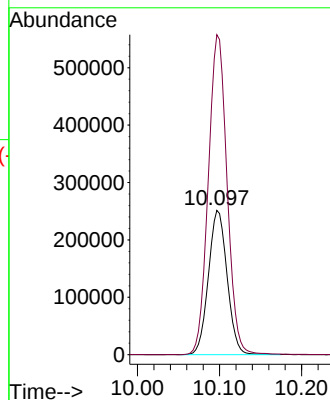
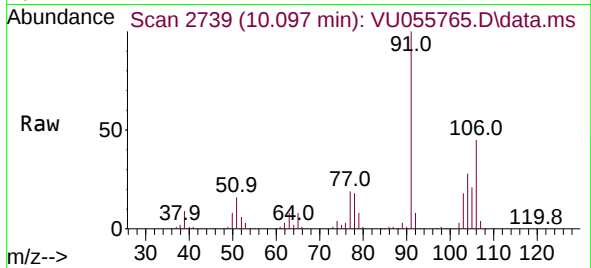




#54
o-Xylene
Concen: 63.239 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

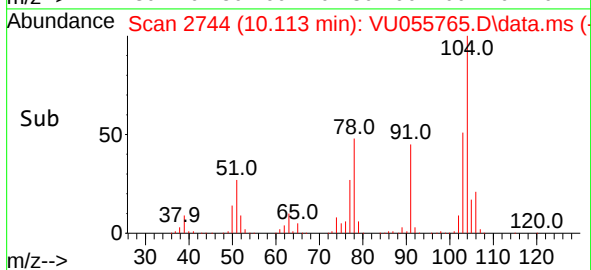
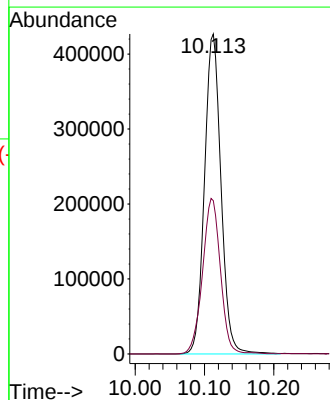
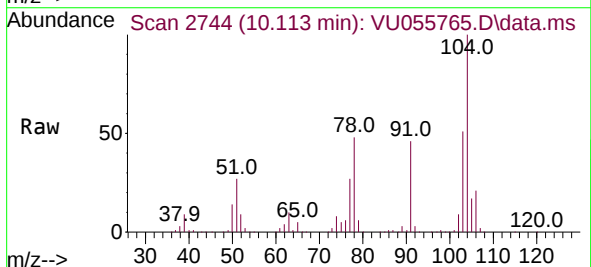
Instrument :
MSVOA_U
ClientSampleId :

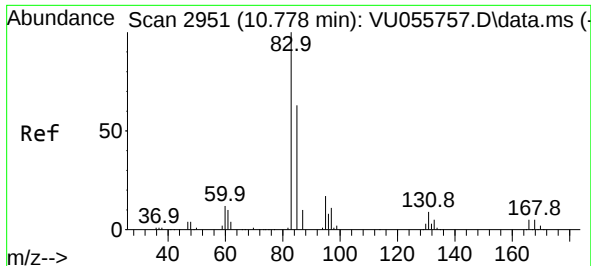
Tgt Ion:106 Resp: 398102
Ion Ratio Lower Upper
106 100
91 221.7 151.8 282.0



#55
Styrene
Concen: 66.079 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

Tgt Ion:104 Resp: 704687
Ion Ratio Lower Upper
104 100
78 47.9 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 56.775 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

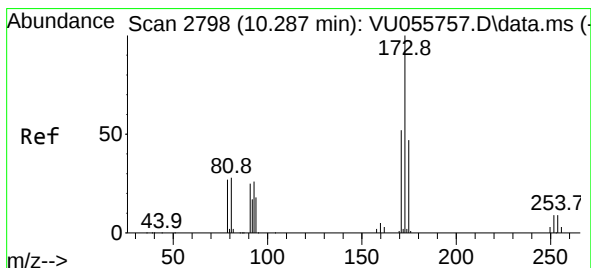
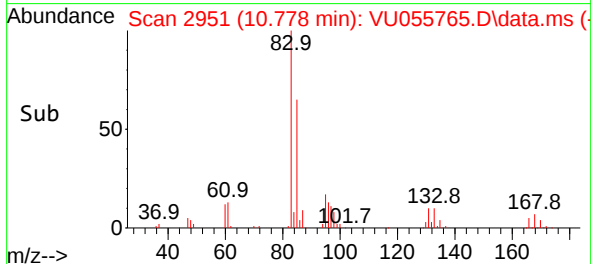
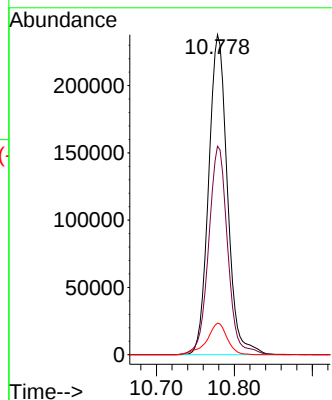
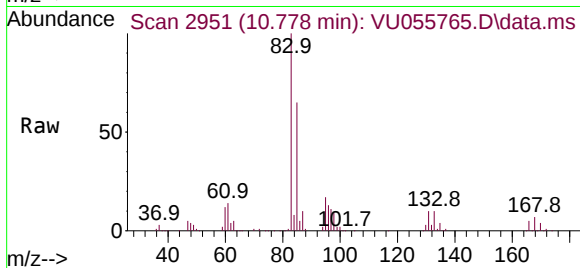
Tgt Ion: 83 Resp: 397319

Ion Ratio Lower Upper

83 100

85 65.2 44.9 83.5

131 9.8 7.3 10.9



#59

Bromoform

Concen: 56.090 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

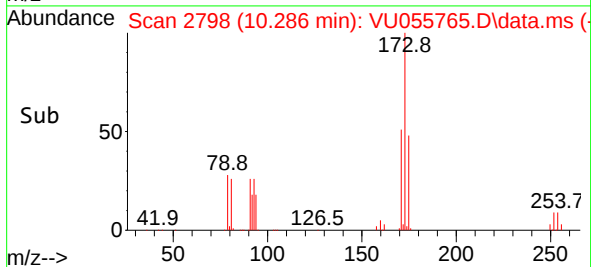
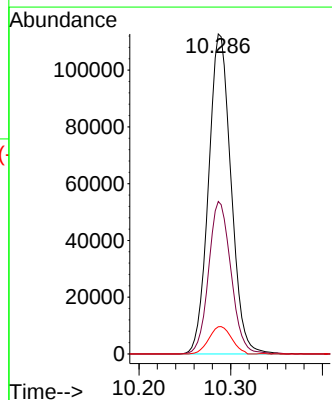
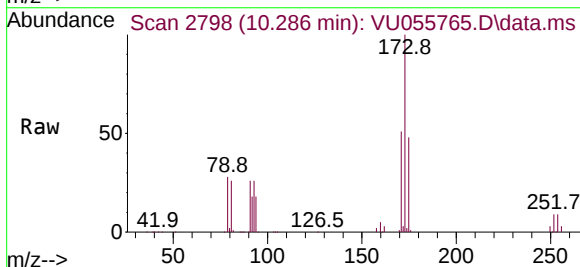
Tgt Ion:173 Resp: 192012

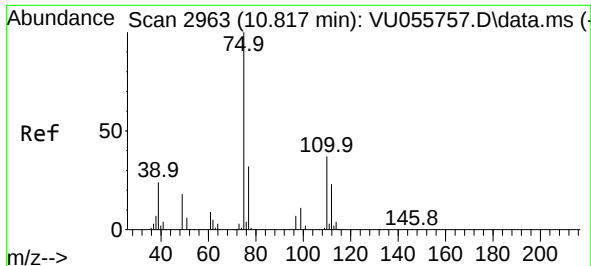
Ion Ratio Lower Upper

173 100

175 47.3 40.4 60.6

254 8.7 7.3 10.9

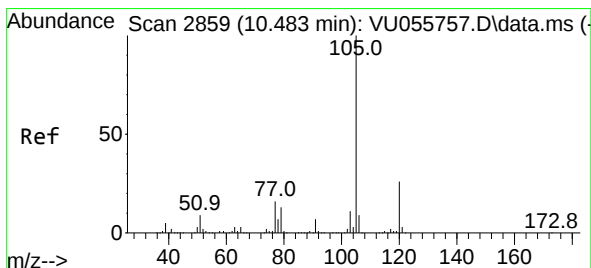
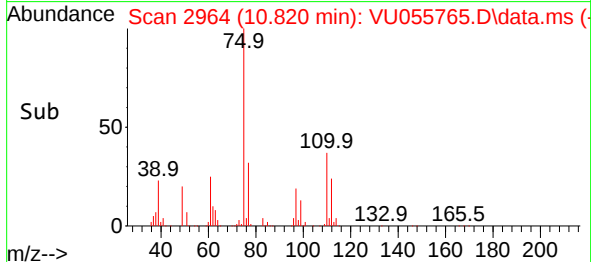
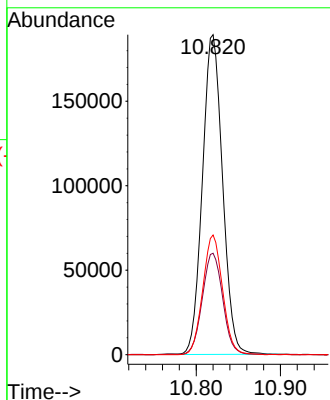
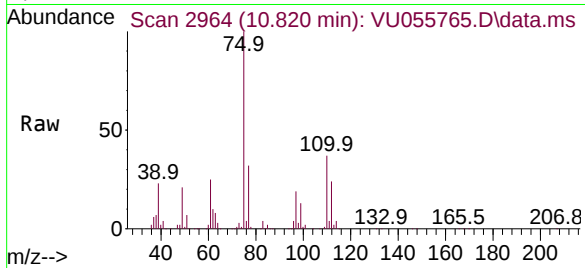




#60
1,2,3-Trichloropropane
Concen: 52.203 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

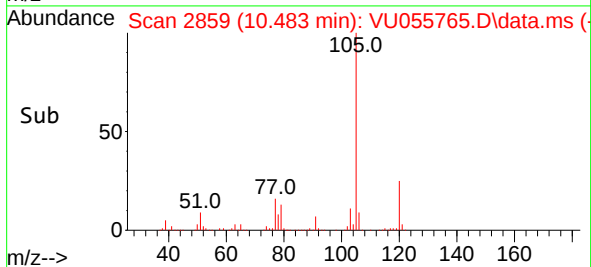
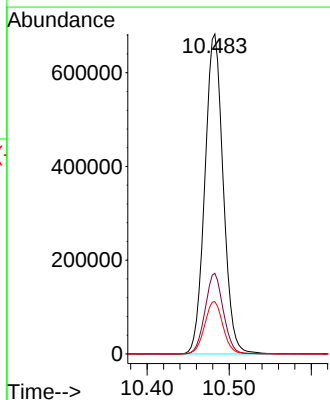
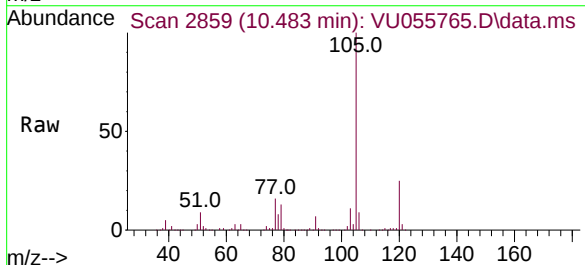
Instrument :
MSVOA_U
ClientSampleId :

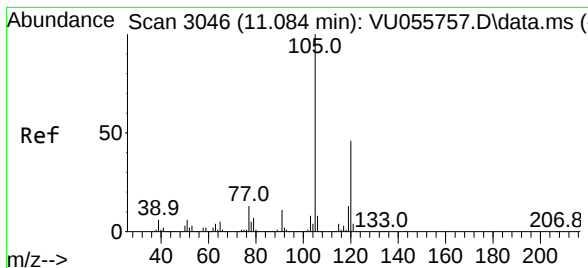
Tgt Ion: 75 Resp: 315061
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8
110 36.7 28.5 42.7



#61
Isopropylbenzene
Concen: 61.276 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

Tgt Ion: 105 Resp: 1062285
Ion Ratio Lower Upper
105 100
120 25.2 20.6 30.8
77 16.4 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 64.021 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

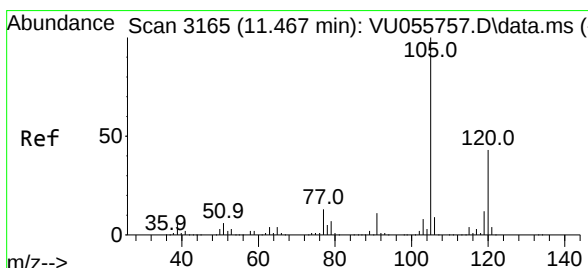
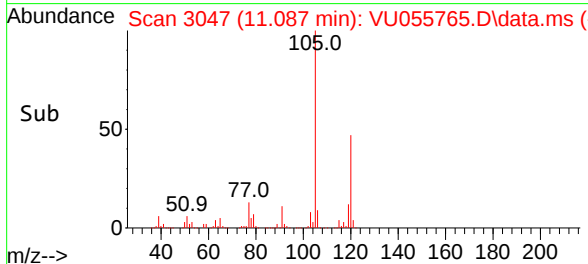
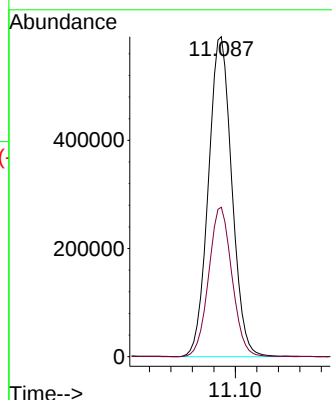
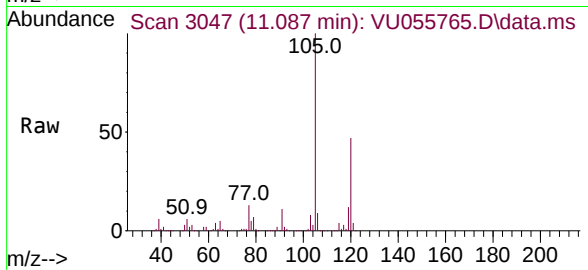
ClientSampleId :

Tgt Ion:105 Resp: 898077

Ion Ratio Lower Upper

105 100

120 46.4 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 61.345 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VU055765.D

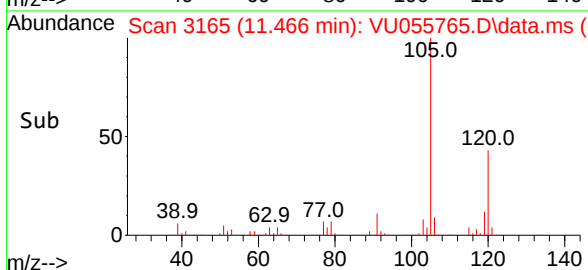
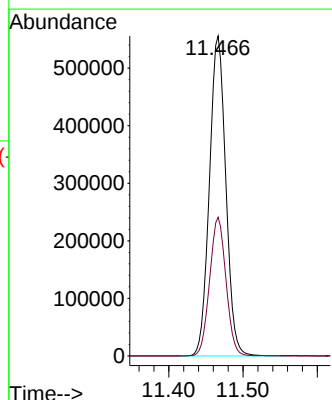
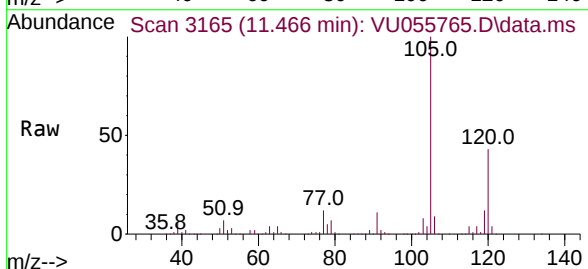
Acq: 16 Oct 2023 09:37

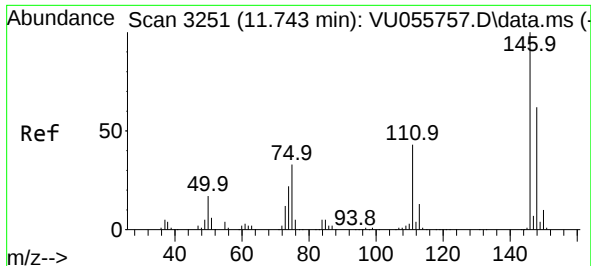
Tgt Ion:105 Resp: 850915

Ion Ratio Lower Upper

105 100

120 43.2 35.0 52.4

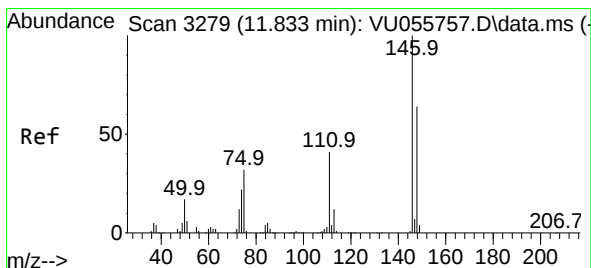
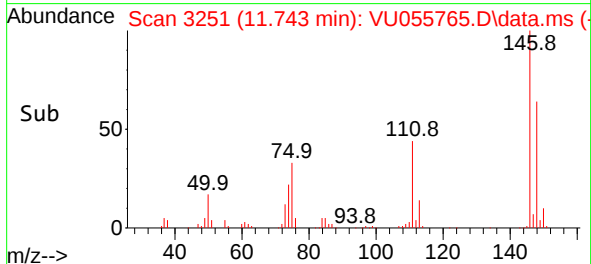
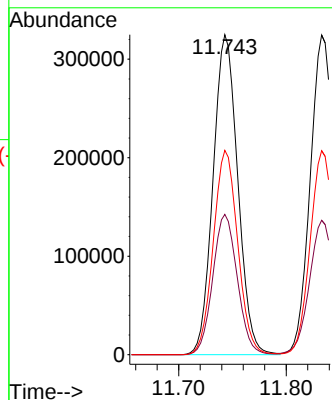
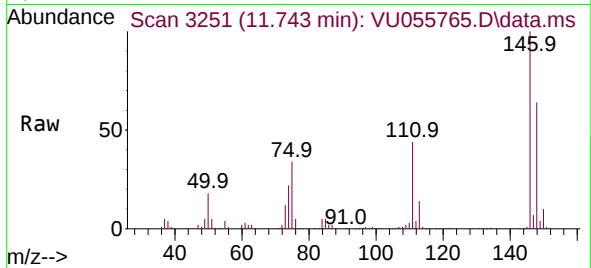




#64
1,3-Dichlorobenzene
Concen: 60.461 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

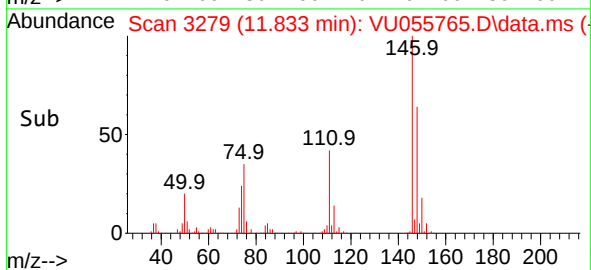
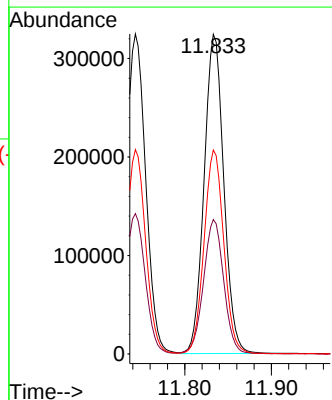
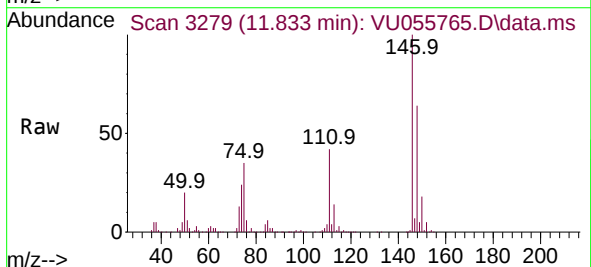
Instrument :
MSVOA_U
ClientSampleId :

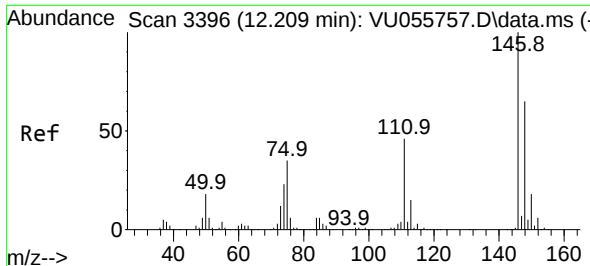
Tgt Ion:146 Resp: 518148
Ion Ratio Lower Upper
146 100
111 43.9 29.7 55.1
148 63.8 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 58.117 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055765.D
Acq: 16 Oct 2023 09:37

Tgt Ion:146 Resp: 512079
Ion Ratio Lower Upper
146 100
111 42.0 28.6 53.0
148 63.8 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 59.849 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

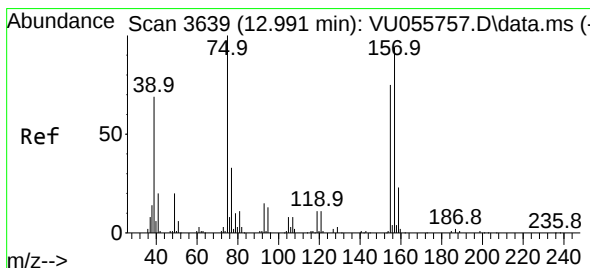
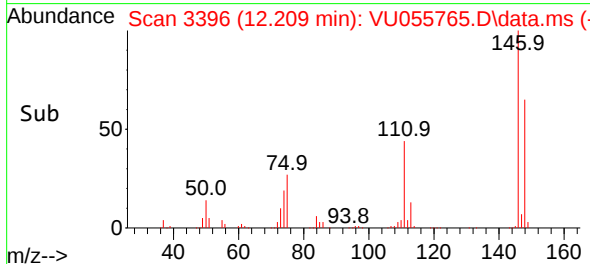
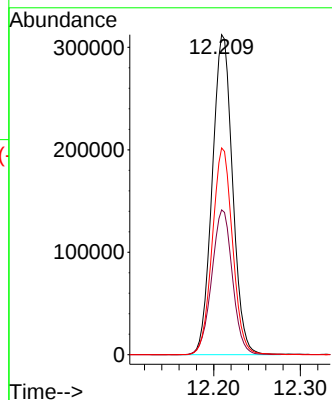
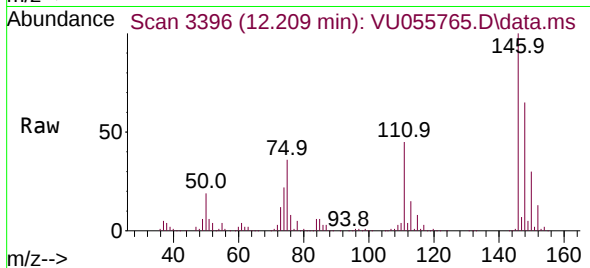
Tgt Ion:146 Resp: 508997

Ion Ratio Lower Upper

146 100

111 45.3 35.2 52.8

148 64.6 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 44.062 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

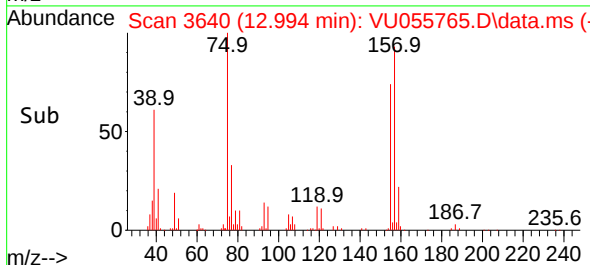
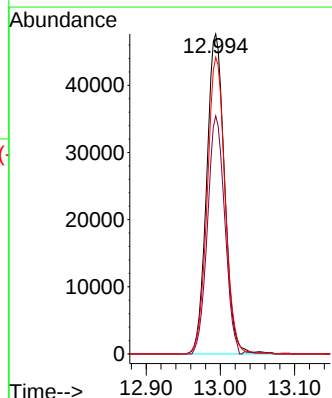
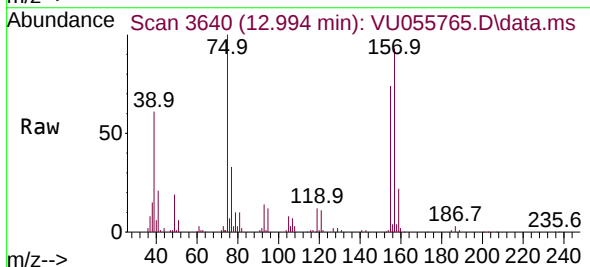
Tgt Ion: 75 Resp: 79503

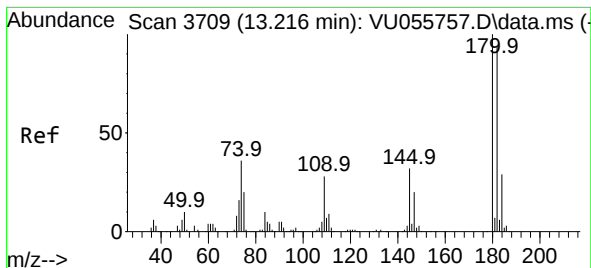
Ion Ratio Lower Upper

75 100

155 74.4 59.6 89.4

157 92.7 77.7 116.5





#69

1,3,5-Trichlorobenzene

Concen: 57.148 ug/L

RT: 13.216 min Scan# 31

Delta R.T. -0.000 min

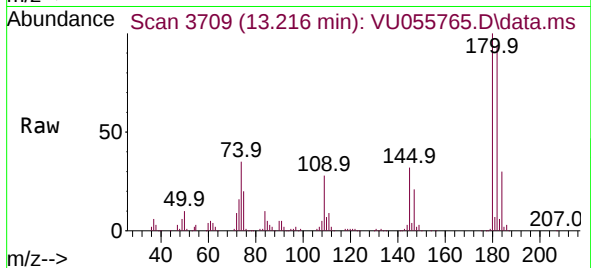
Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 326680

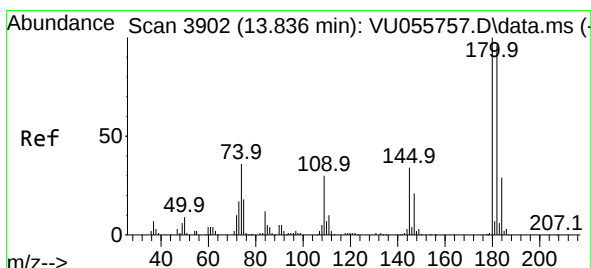
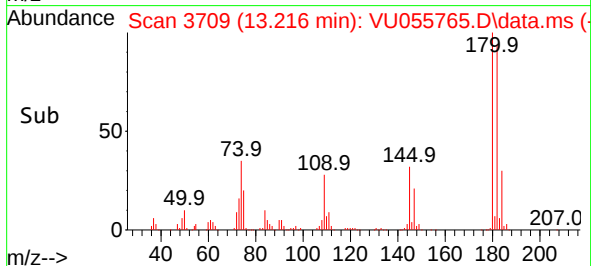
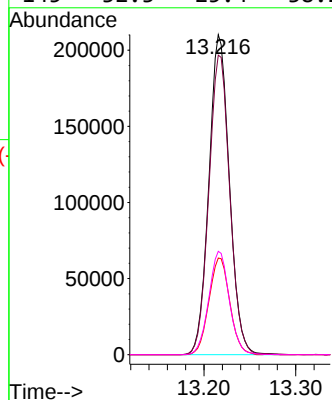
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

184 30.7 23.9 35.9

145 32.3 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 55.657 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

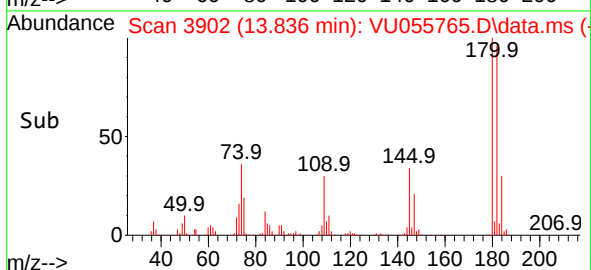
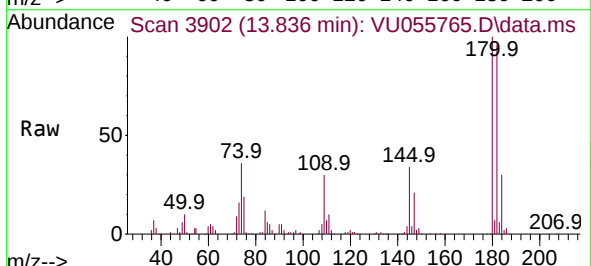
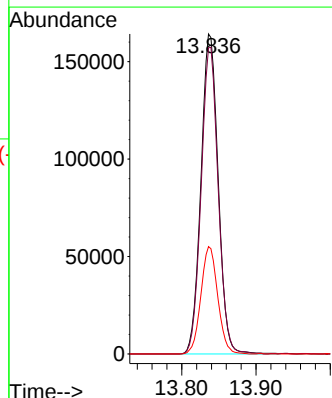
Tgt Ion:180 Resp: 265009

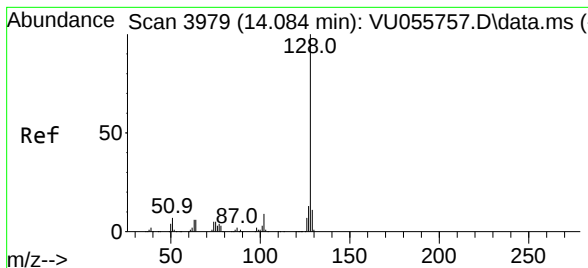
Ion Ratio Lower Upper

180 100

182 94.7 75.4 113.2

145 32.7 26.1 39.1





#71

Naphthalene

Concen: 52.104 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Instrument :

MSVOA_U

ClientSampleId :

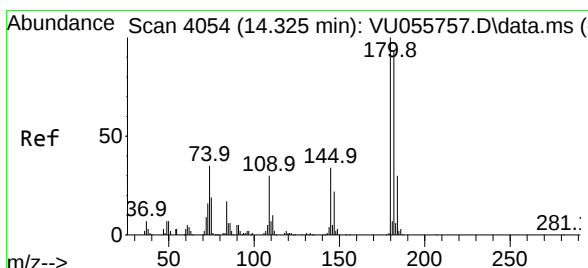
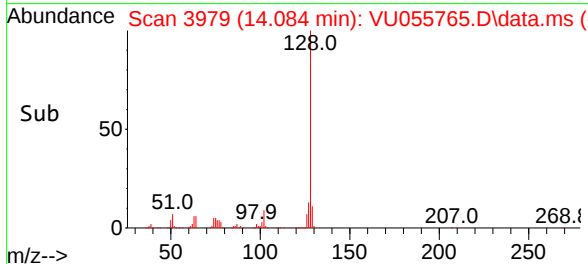
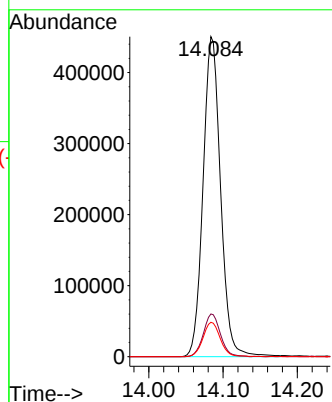
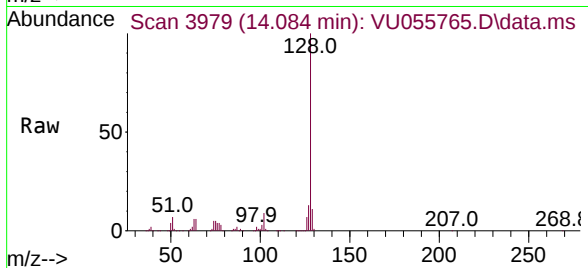
Tgt Ion:128 Resp: 736971

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 54.951 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU055765.D

Acq: 16 Oct 2023 09:37

Tgt Ion:180 Resp: 257969

Ion Ratio Lower Upper

180 100

182 94.5 78.1 117.1

145 35.3 27.4 41.0

