

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101023\
 Data File : VU055735.D
 Acq On : 10 Oct 2023 20:51
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 05:57:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 11 05:51:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	450586	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	453790	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	270201	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	183071	45.297	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.600%
7) Chloroethane-d5	1.885	69	144833	43.840	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.680%
11) 1,1-Dichloroethene-d2	2.560	63	326500	45.307	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.620%
21) 2-Butanone-d5	4.615	46	291165	97.225	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.230%
24) Chloroform-d	5.055	84	359347	46.379	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.760%
26) 1,2-Dichloroethane-d4	5.695	65	229045	48.027	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.060%
32) Benzene-d6	5.721	84	696175	47.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.900%
36) 1,2-Dichloropropane-d6	6.685	67	214071	46.573	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.140%
41) Toluene-d8	7.894	98	632554	48.248	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.500%
43) trans-1,3-Dichloroprop...	8.174	79	104187	47.186	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.380%
47) 2-Hexanone-d5	8.634	63	219495	121.469	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.470%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	380434	53.771	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.540%
66) 1,2-Dichlorobenzene-d4	12.190	152	266633	49.727	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	168773	44.985	ug/L	97
3) Chloromethane	1.518	50	165352	46.577	ug/L	99
5) Vinyl chloride	1.605	62	179820	46.027	ug/L	97
6) Bromomethane	1.830	94	80915	32.398	ug/L	94
8) Chloroethane	1.907	64	110705	43.200	ug/L	99
9) Trichlorofluoromethane	2.123	101	255220	45.723	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	155967	43.448	ug/L	99
12) 1,1-Dichloroethene	2.570	96	145632	45.590	ug/L	96
13) Acetone	2.618	43	194553	70.006	ug/L	98
14) Carbon disulfide	2.785	76	395923	40.728	ug/L	98
15) Methyl Acetate	2.939	43	198765	46.701	ug/L	96
16) Methylene chloride	3.036	84	172021	44.406	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	147606	45.189	ug/L	97
18) Methyl tert-butyl Ether	3.357	73	521219	49.617	ug/L	99
19) 1,1-Dichloroethane	3.862	63	302143	45.105	ug/L	99
20) cis-1,2-Dichloroethene	4.656	96	173982	46.669	ug/L	98
22) 2-Butanone	4.695	43	289602	86.456	ug/L	98
23) Bromochloromethane	4.965	128	91802	47.548	ug/L	94
25) Chloroform	5.081	83	321175	45.898	ug/L	97

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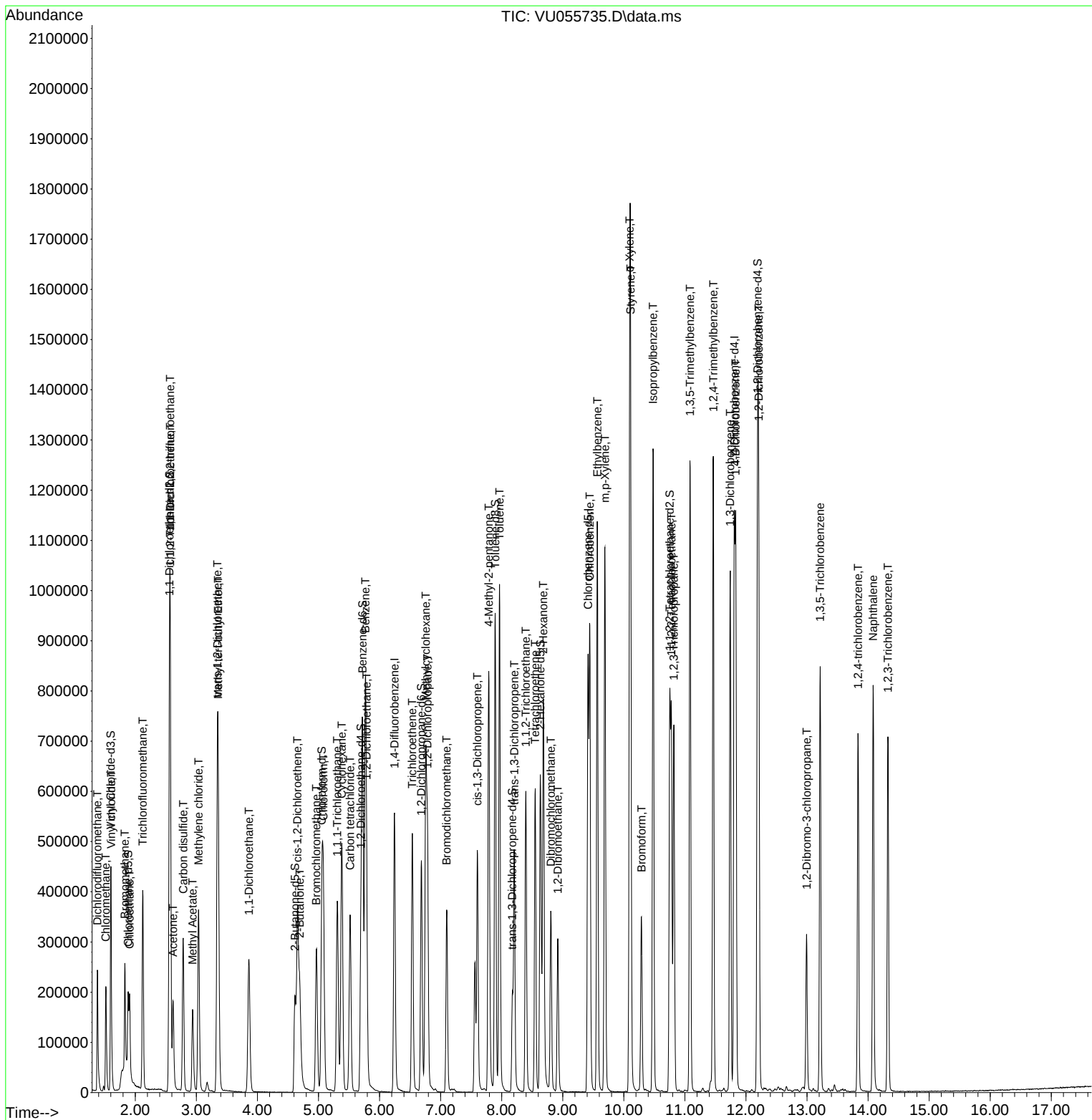
Instrument :
 MSVOA_U
 ClientSampleId :

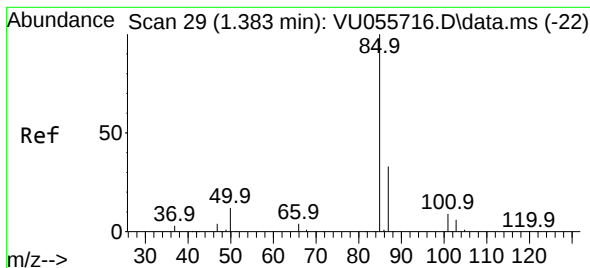
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	262721	46.942	ug/L	98
29) Cyclohexane	5.383	56	248889	47.850	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	280017	47.762	ug/L	98
31) Carbon tetrachloride	5.518	117	235880	45.965	ug/L	97
33) Benzene	5.769	78	678627	47.309	ug/L	100
34) Trichloroethene	6.537	95	179679	45.779	ug/L	99
35) Methylcyclohexane	6.759	83	261108	45.851	ug/L	100
37) 1,2-Dichloropropane	6.785	63	181738	46.010	ug/L	99
38) Bromodichloromethane	7.100	83	236846	45.468	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	287581	47.855	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	577100	105.019	ug/L	97
42) Toluene	7.965	91	730797	48.281	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	272269	47.353	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	184625	47.402	ug/L	97
46) Tetrachloroethene	8.550	164	127107	45.231	ug/L	98
48) 2-Hexanone	8.682	43	504645	108.723	ug/L	95
49) Dibromochloromethane	8.804	129	185600	46.637	ug/L	98
50) 1,2-Dibromoethane	8.920	107	200092	47.829	ug/L	99
51) Chlorobenzene	9.444	112	467328	47.720	ug/L	99
52) Ethylbenzene	9.566	91	803157	48.535	ug/L	100
53) m,p-Xylene	9.692	106	311645	50.269	ug/L	98
54) o-Xylene	10.097	106	310658	51.783	ug/L	98
55) Styrene	10.113	104	542320	53.362	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	361828	54.254	ug/L	99
59) Bromoform	10.290	173	153550	46.163	ug/L	96
60) 1,2,3-Trichloropropane	10.820	75	297515	50.734	ug/L	98
61) Isopropylbenzene	10.479	105	822936	48.854	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	691231	50.714	ug/L	100
63) 1,2,4-Trimethylbenzene	11.466	105	692510	51.382	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	404176	48.538	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	405950	47.417	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	408046	49.379	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	79419	45.300	ug/L	95
69) 1,3,5-Trichlorobenzene	13.215	180	251705	45.317	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	202004	43.663	ug/L	99
71) Naphthalene	14.084	128	651343	47.394	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	200696	43.999	ug/L	99

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

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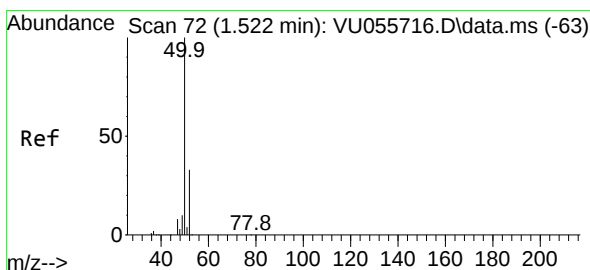
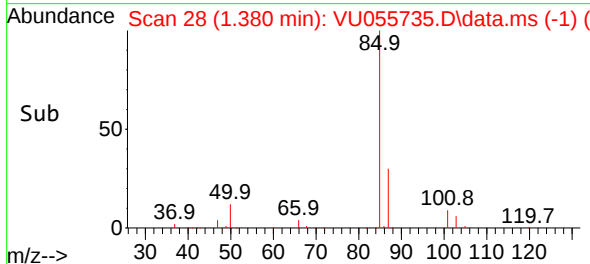
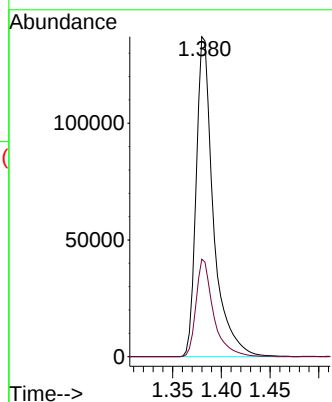
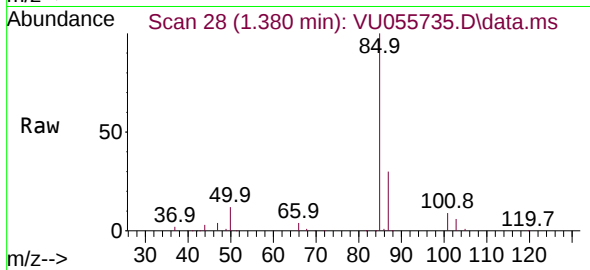




#2
 Dichlorodifluoromethane
 Concen: 44.985 ug/L
 RT: 1.380 min Scan# 29
 Delta R.T. -0.003 min
 Lab File: VU055735.D
 Acq: 10 Oct 2023 20:51

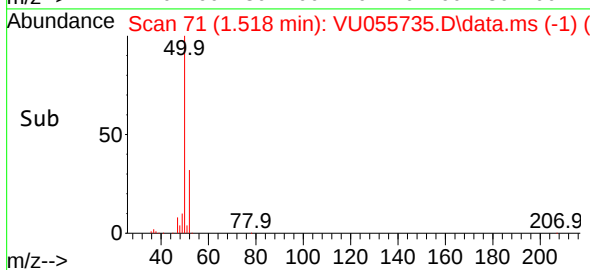
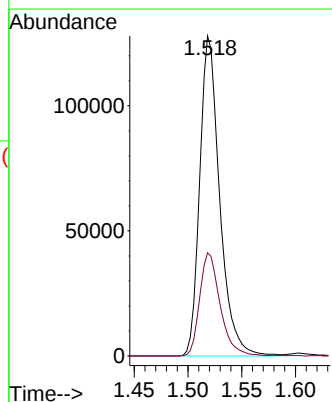
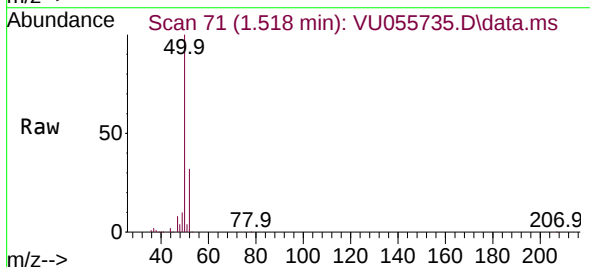
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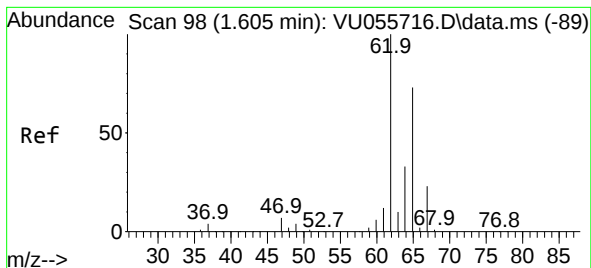
Tgt Ion: 85 Resp: 168773
 Ion Ratio Lower Upper
 85 100
 87 30.7 26.0 39.0



#3
 Chloromethane
 Concen: 46.577 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VU055735.D
 Acq: 10 Oct 2023 20:51

Tgt Ion: 50 Resp: 165352
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.8 42.4





#5

Vinyl chloride

Concen: 46.027 ug/L

RT: 1.605 min Scan# 98

Delta R.T. -0.000 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Instrument :

MSVOA_U

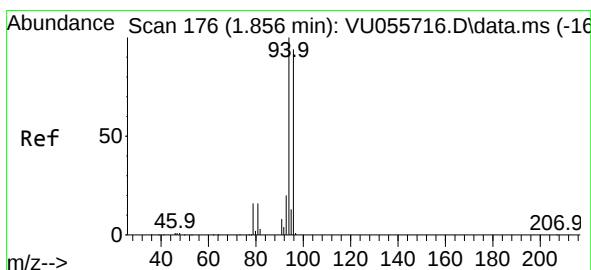
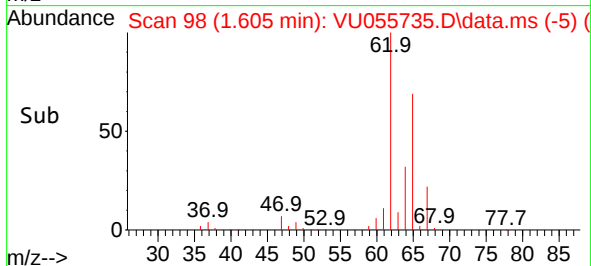
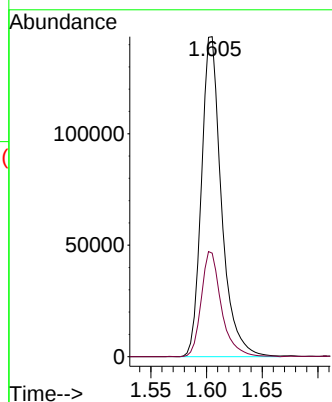
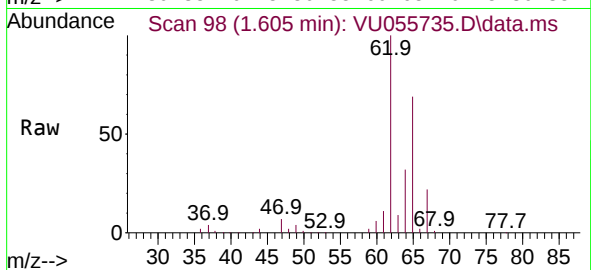
ClientSampleId :

Tgt Ion: 62 Resp: 179820

Ion Ratio Lower Upper

62 100

64 32.3 23.9 44.5



#6

Bromomethane

Concen: 32.398 ug/L

RT: 1.830 min Scan# 168

Delta R.T. -0.026 min

Lab File: VU055735.D

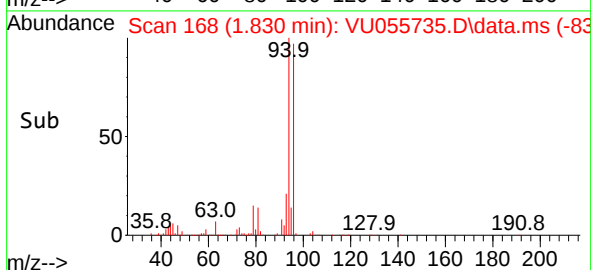
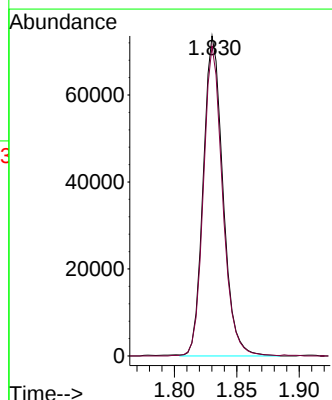
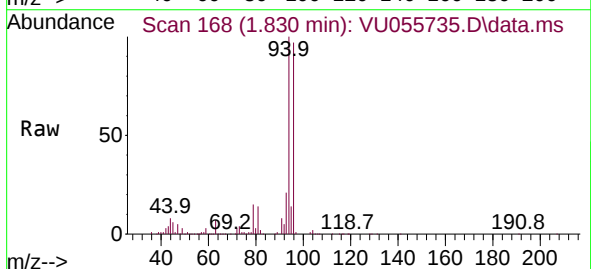
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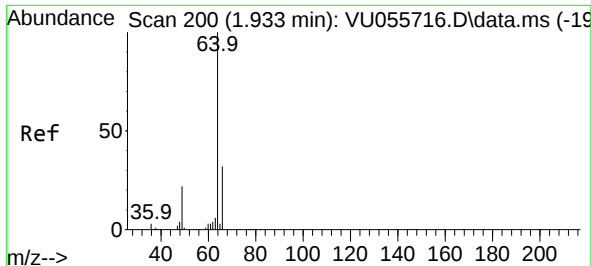
Tgt Ion: 94 Resp: 80915

Ion Ratio Lower Upper

94 100

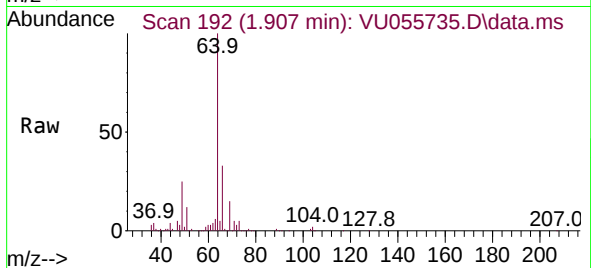
96 96.8 63.5 117.9



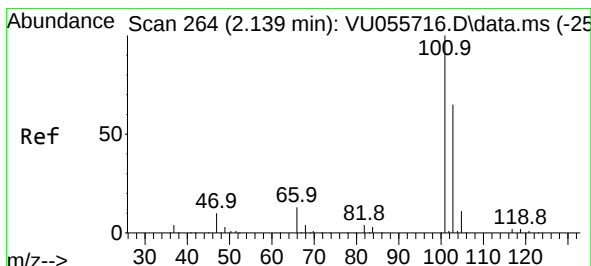
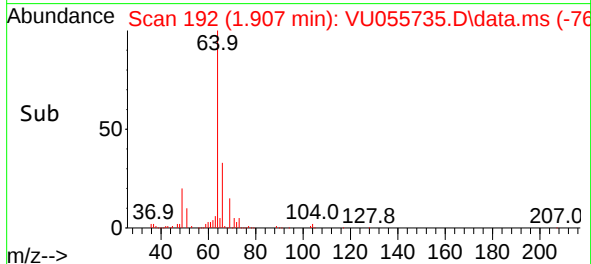
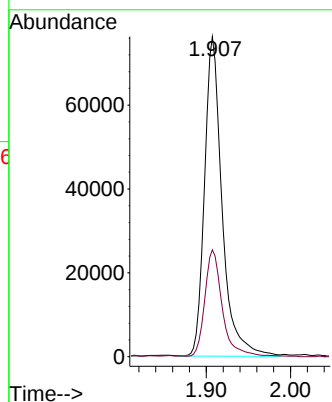


#8
Chloroethane
Concen: 43.200 ug/L
RT: 1.907 min Scan# 192
Delta R.T. -0.026 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

Instrument :
MSVOA_U
ClientSampleId :

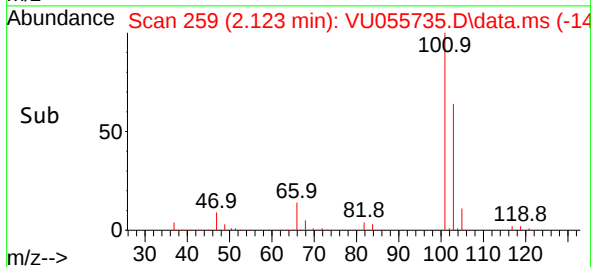
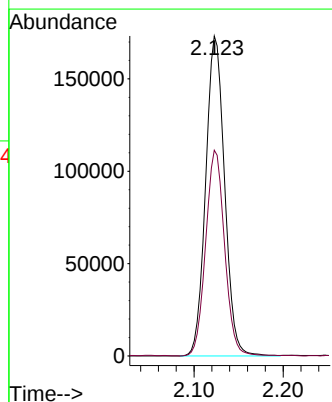
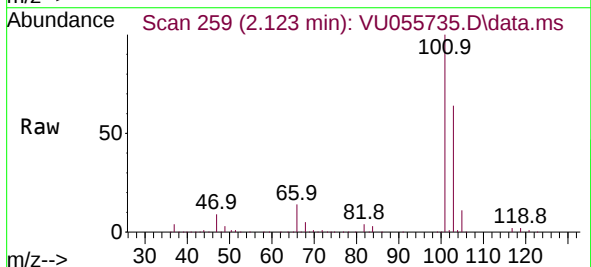


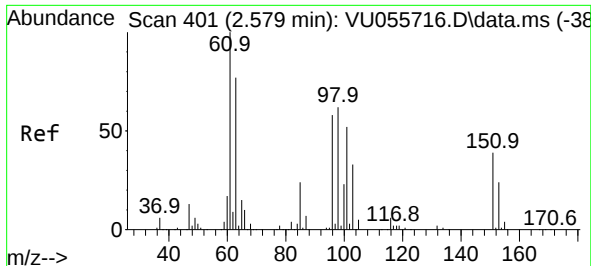
Tgt Ion: 64 Resp: 110705
Ion Ratio Lower Upper
64 100
66 33.4 22.9 42.5



#9
Trichlorofluoromethane
Concen: 45.723 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.016 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

Tgt Ion: 101 Resp: 255220
Ion Ratio Lower Upper
101 100
103 64.6 51.3 76.9

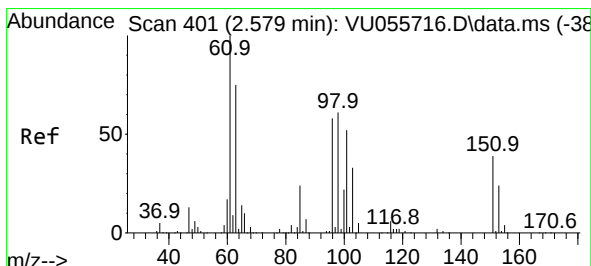
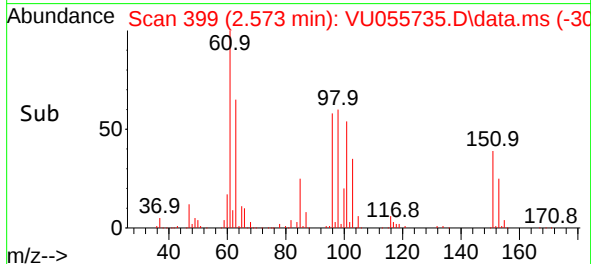
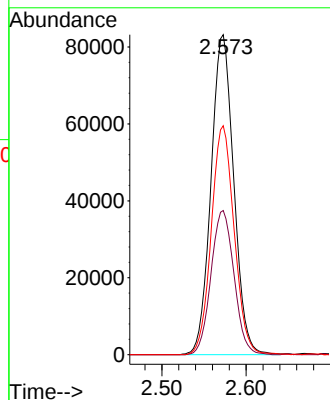
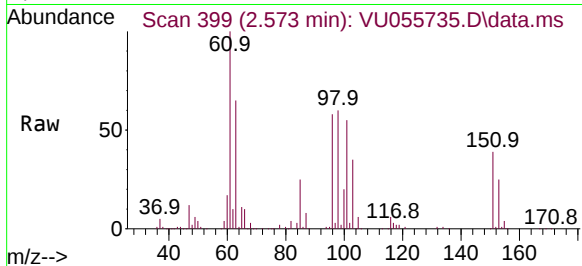




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.448 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.006 min
 Lab File: VU055735.D
 Acq: 10 Oct 2023 20:51

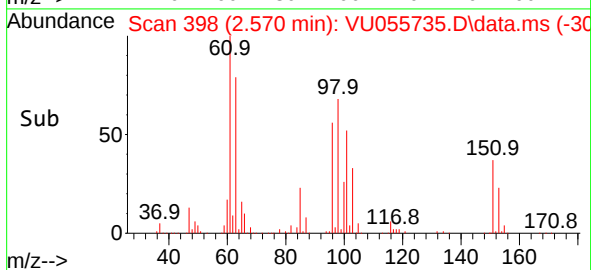
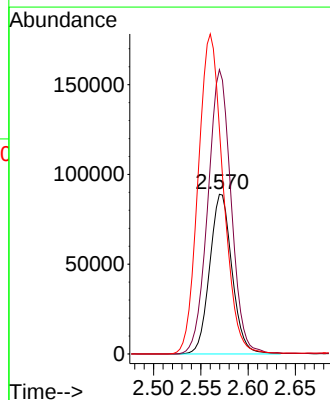
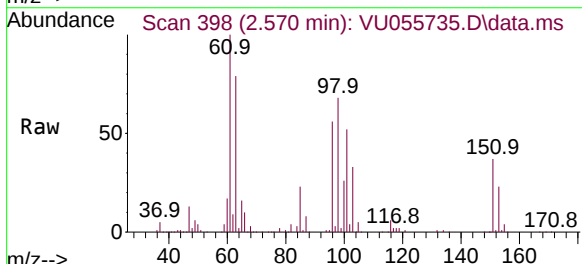
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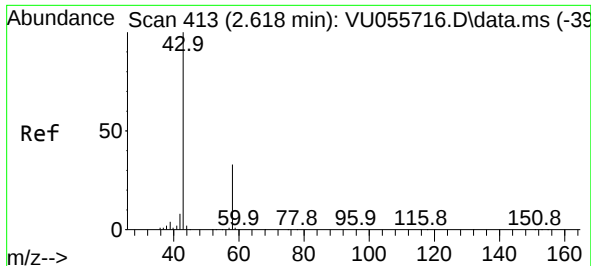
Tgt Ion:101 Resp: 155967
 Ion Ratio Lower Upper
 101 100
 85 45.5 37.1 55.7
 151 72.1 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 45.590 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.010 min
 Lab File: VU055735.D
 Acq: 10 Oct 2023 20:51

Tgt Ion: 96 Resp: 145632
 Ion Ratio Lower Upper
 96 100
 61 178.0 122.0 226.6
 63 141.1 93.7 174.1

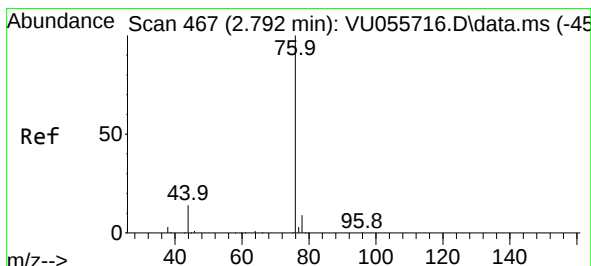
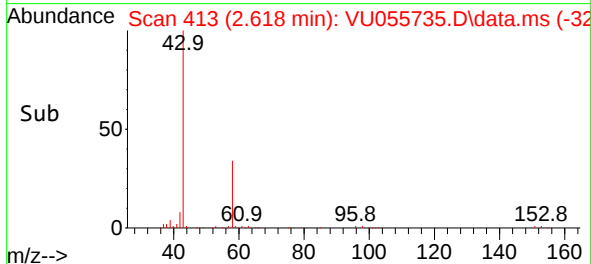
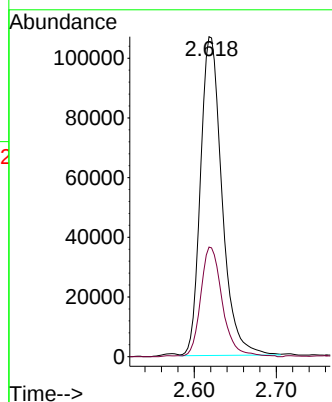
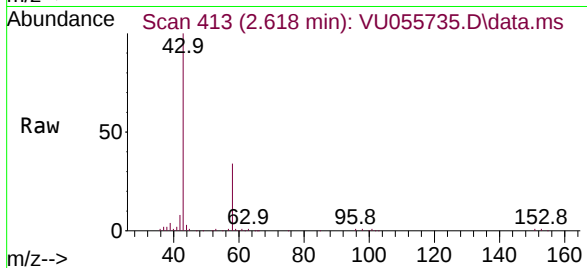




#13
Acetone
Concen: 70.006 ug/L
RT: 2.618 min Scan# 413
Delta R.T. -0.000 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

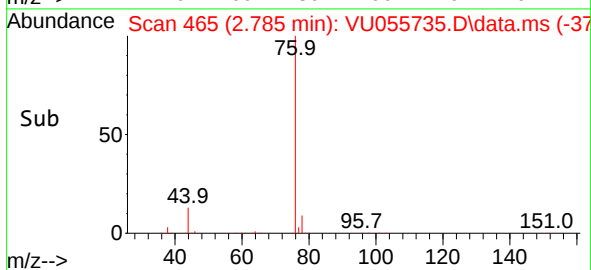
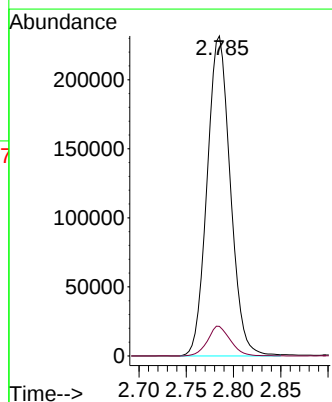
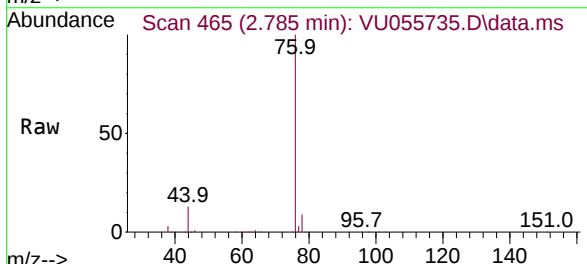
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MSVOA_U
ClientSampleId :

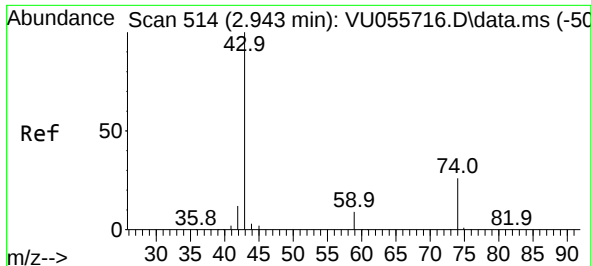
Tgt Ion: 43 Resp: 194553
Ion Ratio Lower Upper
43 100
58 34.7 0.0 67.4



#14
Carbon disulfide
Concen: 40.728 ug/L
RT: 2.785 min Scan# 465
Delta R.T. -0.006 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

Tgt Ion: 76 Resp: 395923
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2

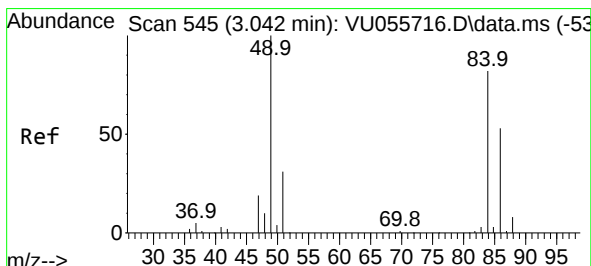
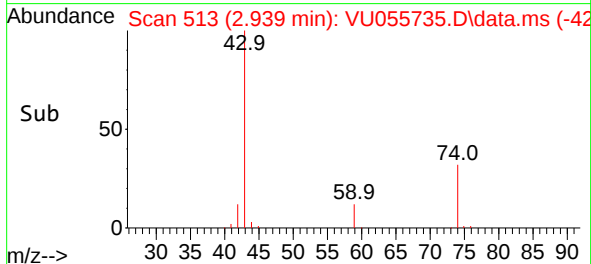
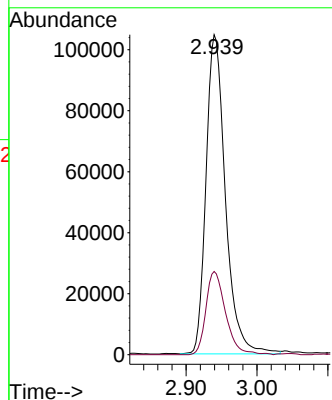
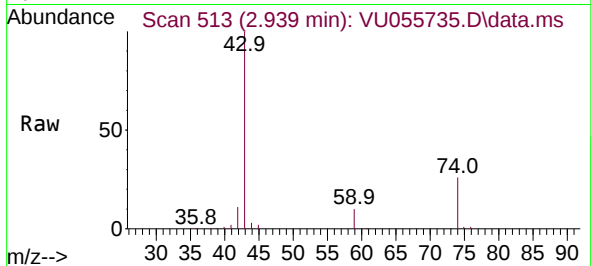




#15
Methyl Acetate
Concen: 46.701 ug/L
RT: 2.939 min Scan# 514
Delta R.T. -0.003 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

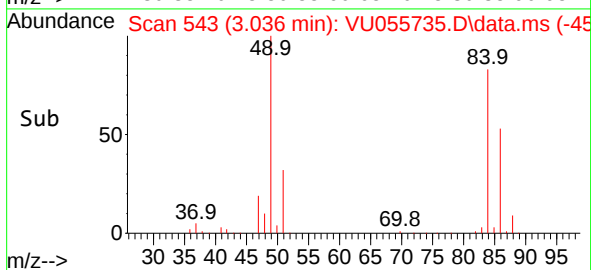
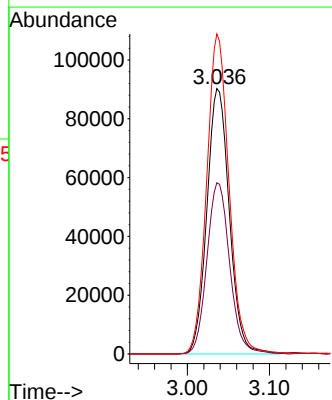
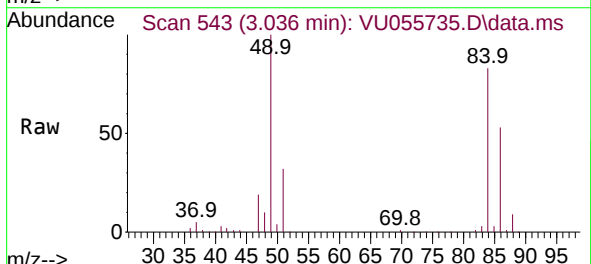
Instrument :
MSVOA_U
ClientSampleId :

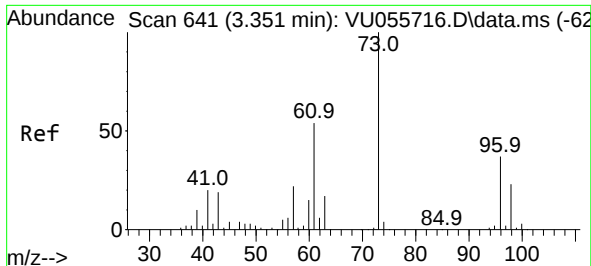
Tgt Ion: 43 Resp: 198765
Ion Ratio Lower Upper
43 100
74 26.3 19.5 29.3



#16
Methylene chloride
Concen: 44.406 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.006 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

Tgt Ion: 84 Resp: 172021
Ion Ratio Lower Upper
84 100
86 64.5 46.3 86.1
49 120.5 84.8 157.6





#17

trans-1,2-Dichloroethene

Concen: 45.189 ug/L

RT: 3.345 min Scan# 61

Delta R.T. -0.006 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Instrument :

MSVOA_U

ClientSampleId :

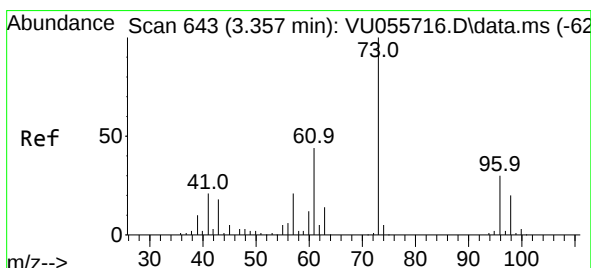
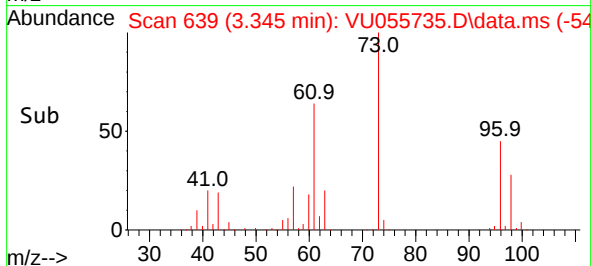
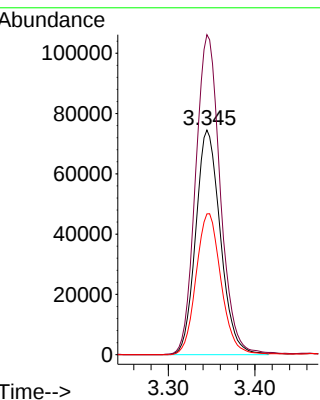
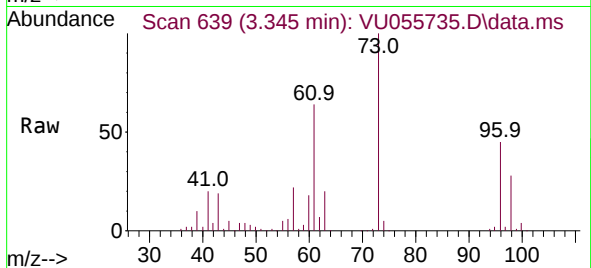
Tgt Ion: 96 Resp: 147606

Ion Ratio Lower Upper

96 100

61 142.5 102.1 189.7

98 62.7 46.3 86.1



#18

Methyl tert-butyl Ether

Concen: 49.617 ug/L

RT: 3.357 min Scan# 643

Delta R.T. -0.000 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

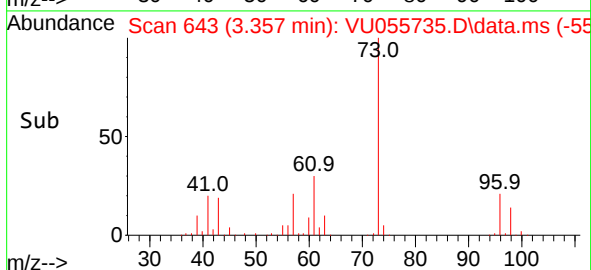
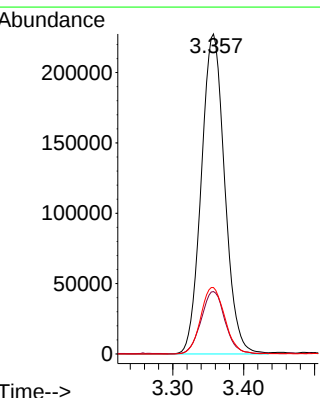
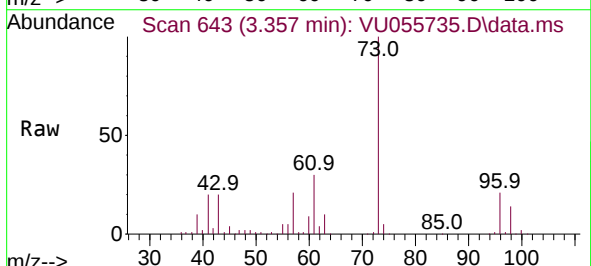
Tgt Ion: 73 Resp: 521219

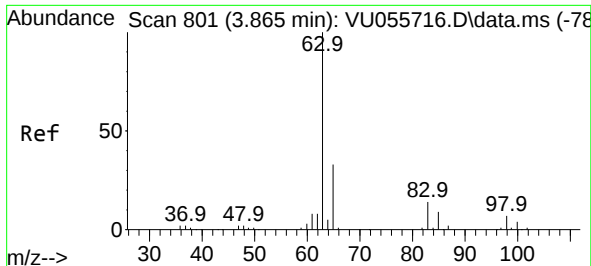
Ion Ratio Lower Upper

73 100

43 19.8 15.4 23.2

57 21.3 17.7 26.5





#19

1,1-Dichloroethane

Concen: 45.105 ug/L

RT: 3.862 min Scan# 801

Delta R.T. -0.003 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Instrument :

MSVOA_U

ClientSampleId :

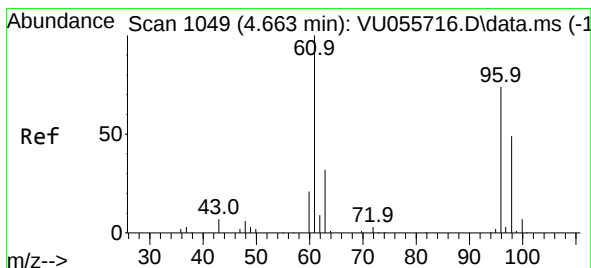
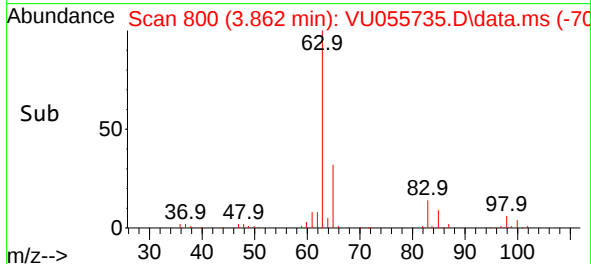
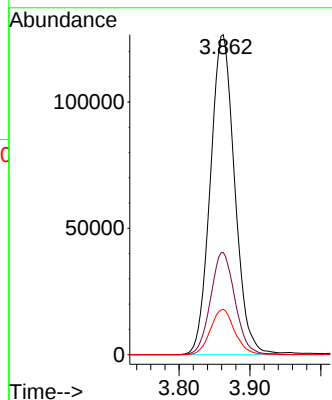
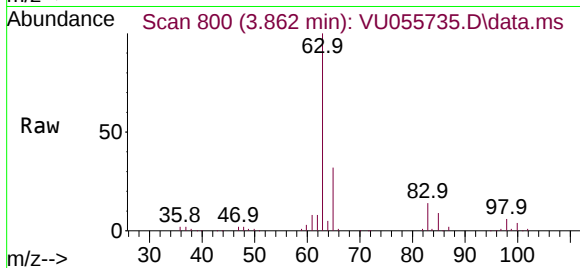
Tgt Ion: 63 Resp: 302143

Ion Ratio Lower Upper

63 100

65 32.0 22.3 41.5

83 14.8 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 46.669 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.006 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

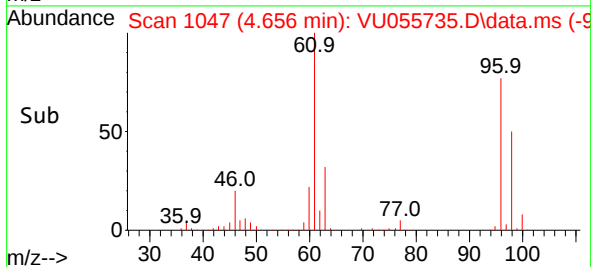
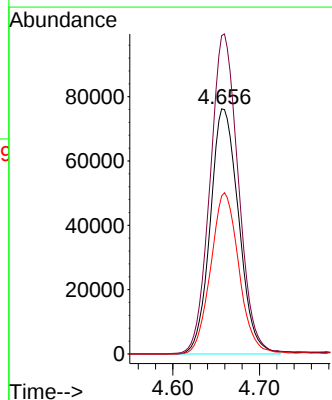
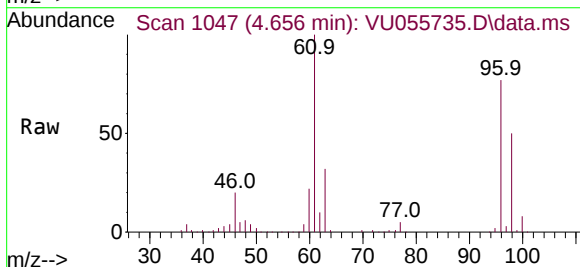
Tgt Ion: 96 Resp: 173982

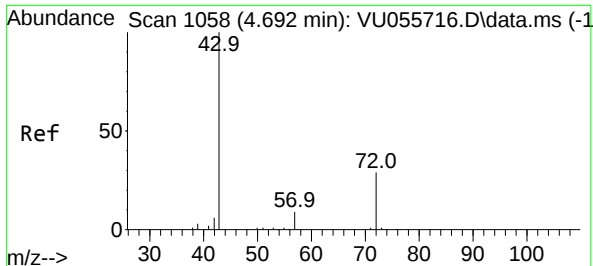
Ion Ratio Lower Upper

96 100

61 129.9 92.3 171.5

98 64.5 43.9 81.5

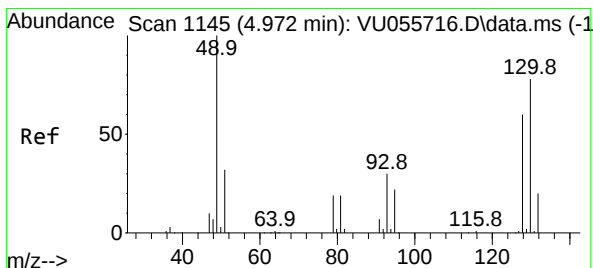
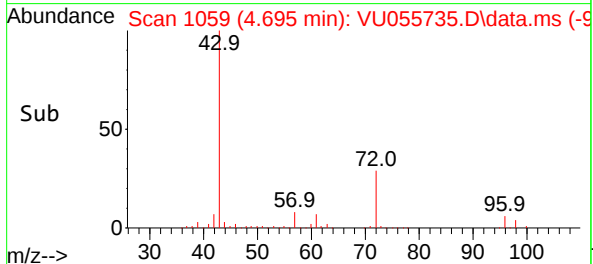
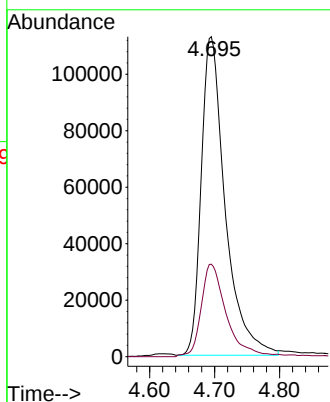
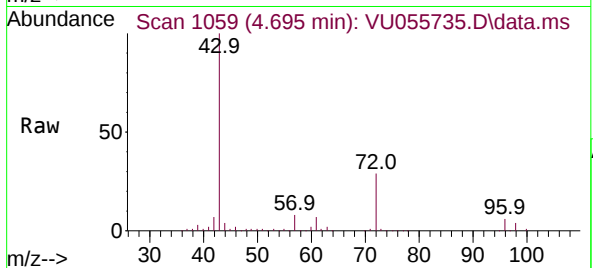




#22
2-Butanone
Concen: 86.456 ug/L
RT: 4.695 min Scan# 1058
Delta R.T. 0.003 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

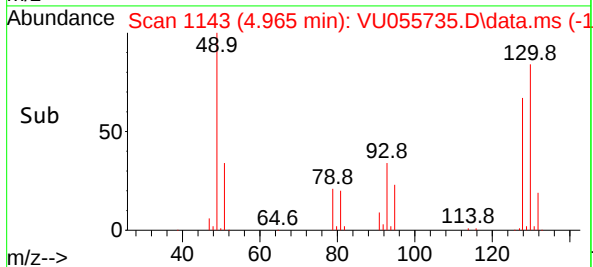
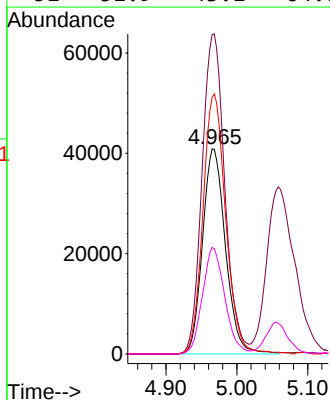
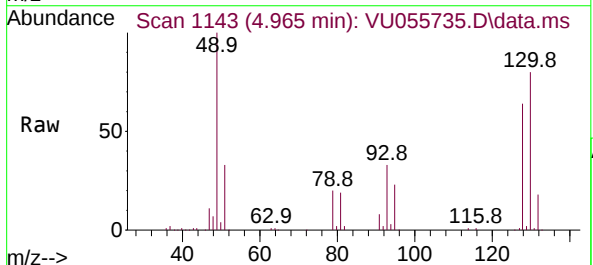
Instrument :
MSVOA_U
ClientSampleId :

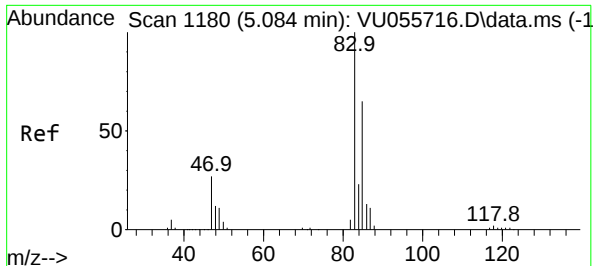
Tgt Ion: 43 Resp: 289602
Ion Ratio Lower Upper
43 100
72 30.2 14.6 44.0



#23
Bromochloromethane
Concen: 47.548 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

Tgt Ion:128 Resp: 91802
Ion Ratio Lower Upper
128 100
49 155.7 116.3 216.1
130 125.2 91.6 170.0
51 51.9 43.1 64.7





#25

Chloroform

Concen: 45.898 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Instrument :

MSVOA_U

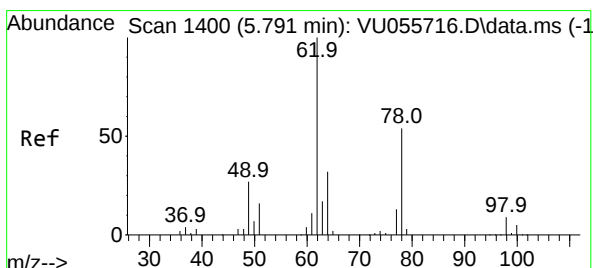
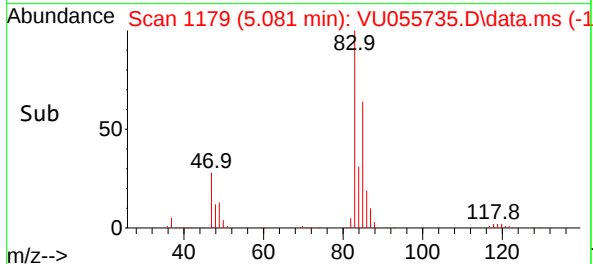
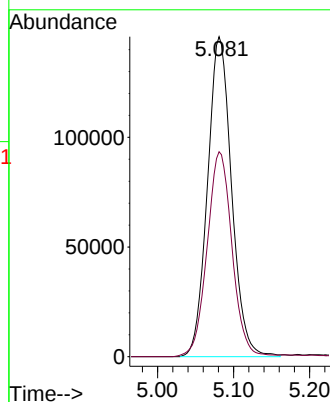
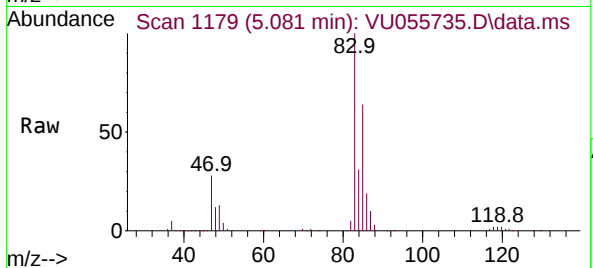
ClientSampleId :

Tgt Ion: 83 Resp: 321175

Ion Ratio Lower Upper

83 100

85 64.1 46.3 86.1



#27

1,2-Dichloroethane

Concen: 46.942 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU055735.D

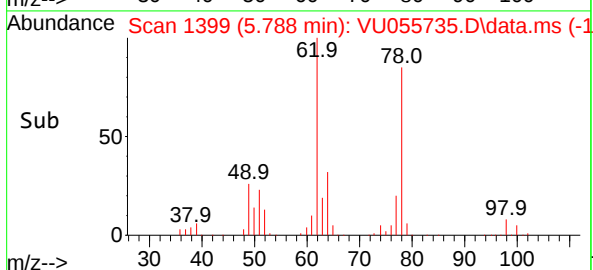
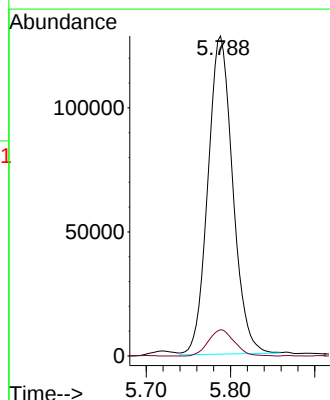
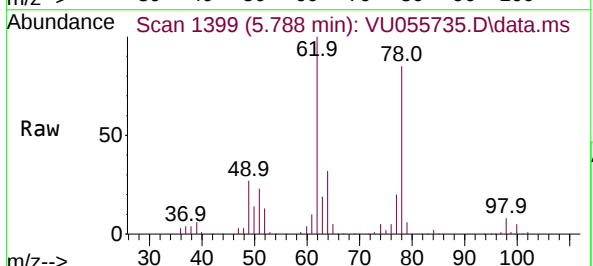
Acq: 10 Oct 2023 20:51

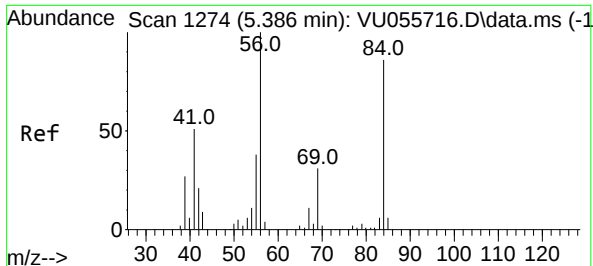
Tgt Ion: 62 Resp: 262721

Ion Ratio Lower Upper

62 100

98 8.2 7.2 10.8





#29

Cyclohexane

Concen: 47.850 ug/L

RT: 5.383 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Instrument :

MSVOA_U

ClientSampleId :

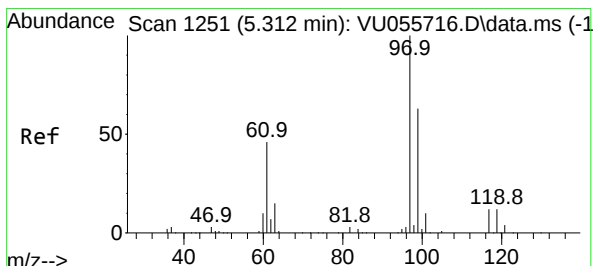
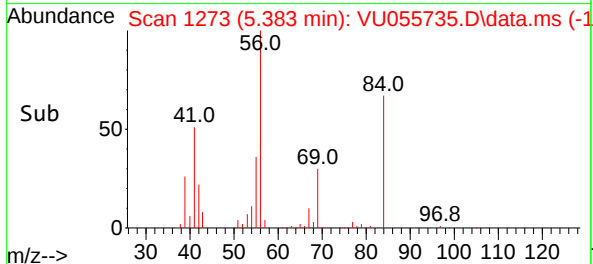
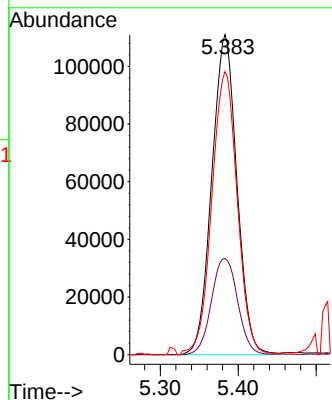
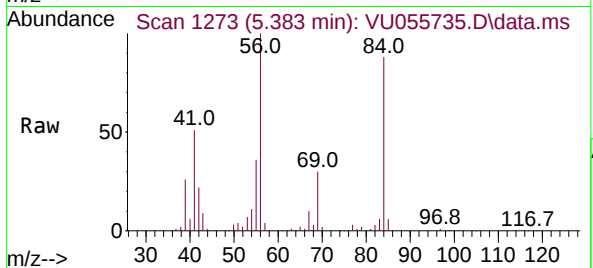
Tgt Ion: 56 Resp: 248889

Ion Ratio Lower Upper

56 100

69 31.4 24.9 37.3

84 89.6 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 47.762 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

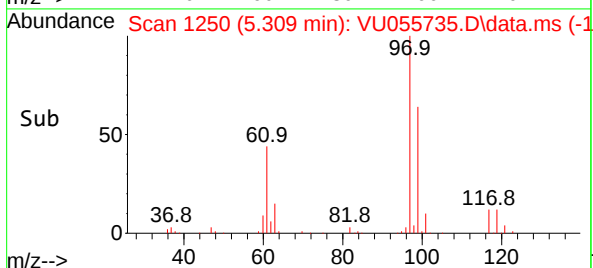
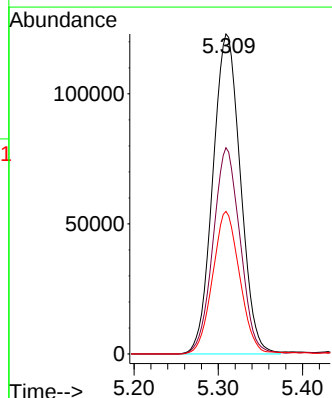
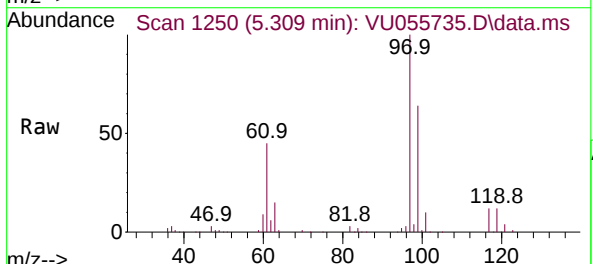
Tgt Ion: 97 Resp: 280017

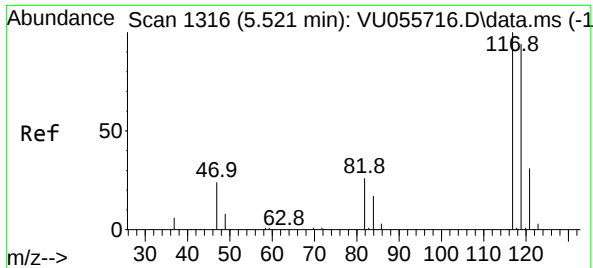
Ion Ratio Lower Upper

97 100

99 63.1 51.6 77.4

61 43.7 36.8 55.2

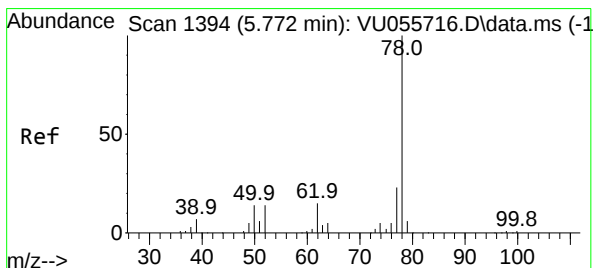
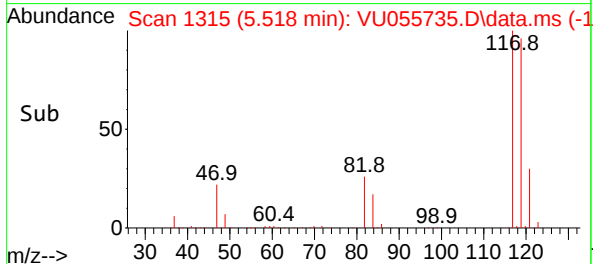
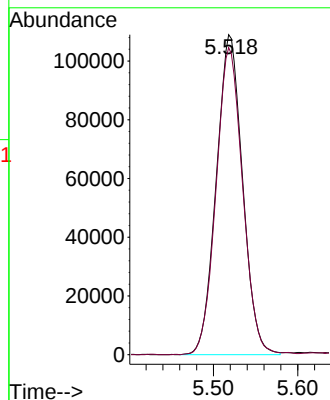
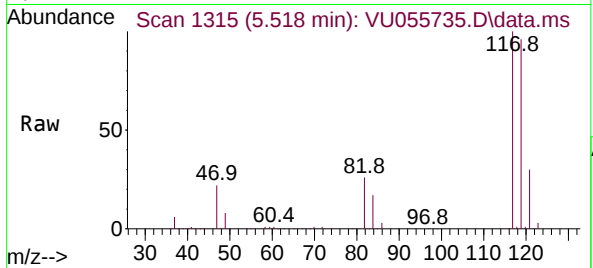




#31
Carbon tetrachloride
Concen: 45.965 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

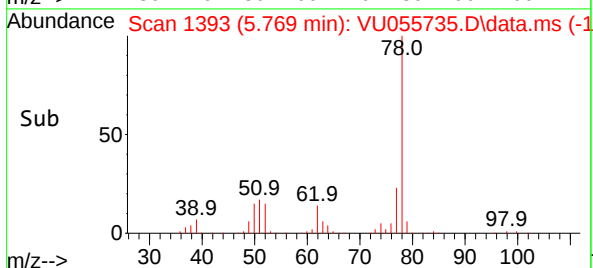
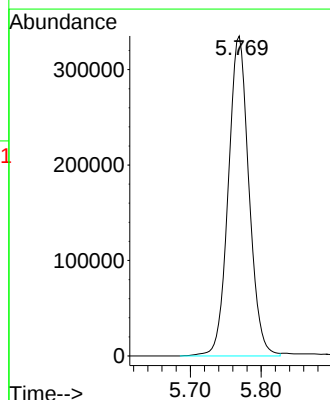
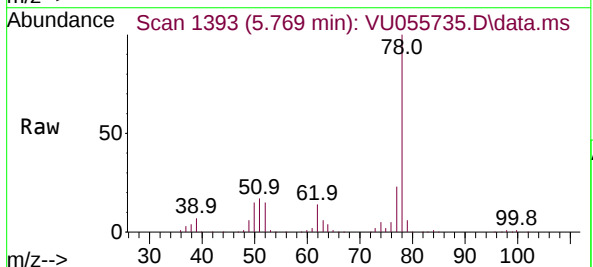
Instrument :
MSVOA_U
ClientSampleId :

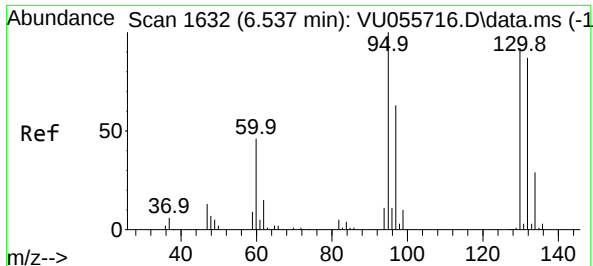
Tgt Ion:117 Resp: 235880
Ion Ratio Lower Upper
117 100
119 96.9 75.4 113.0



#33
Benzene
Concen: 47.309 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

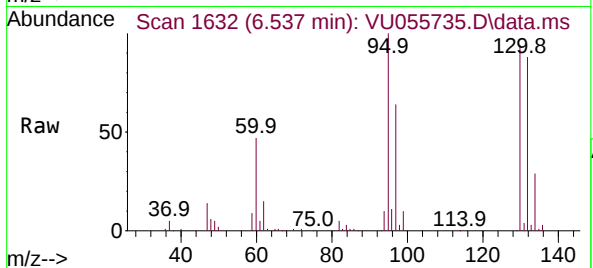
Tgt Ion: 78 Resp: 678627



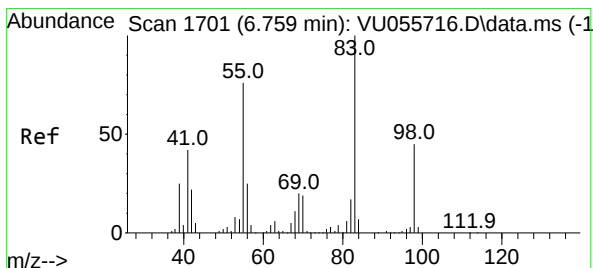
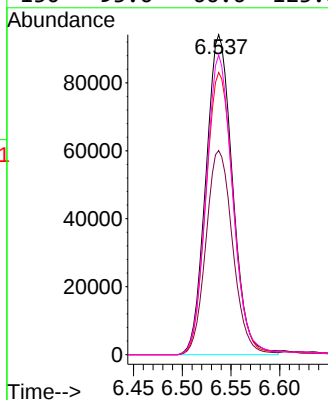
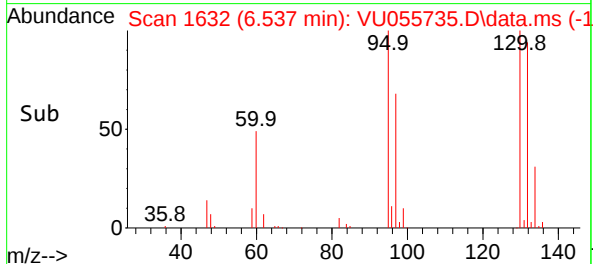


#34
Trichloroethene
Concen: 45.779 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

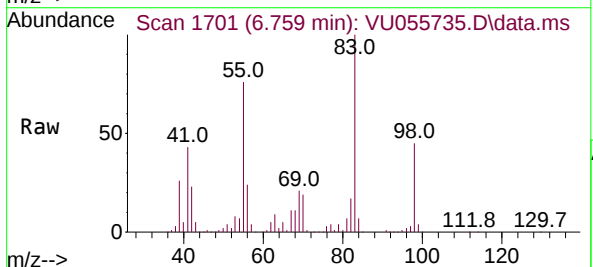
Instrument :
MSVOA_U
ClientSampleId :



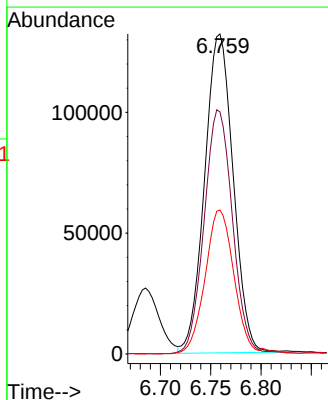
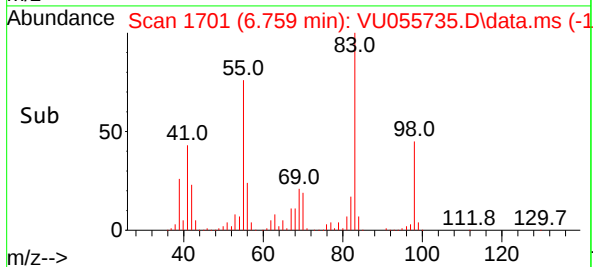
Tgt Ion: 95 Resp: 179679
Ion Ratio Lower Upper
95 100
97 63.8 44.4 82.5
132 88.2 61.8 114.8
130 93.6 66.6 123.8

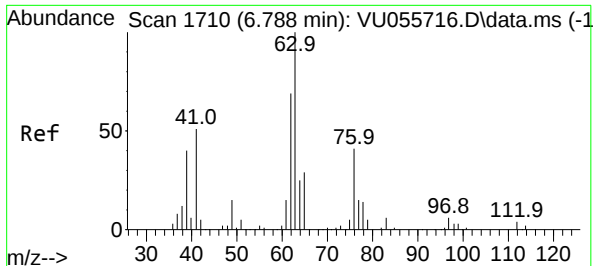


#35
Methylcyclohexane
Concen: 45.851 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51



Tgt Ion: 83 Resp: 261108
Ion Ratio Lower Upper
83 100
55 76.3 61.2 91.8
98 45.0 35.8 53.6





#37

1,2-Dichloropropane

Concen: 46.010 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Instrument :

MSVOA_U

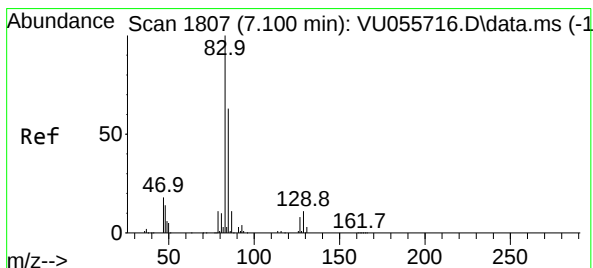
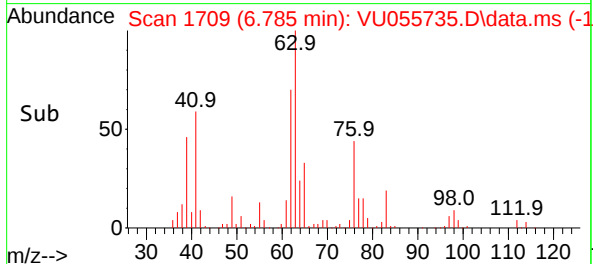
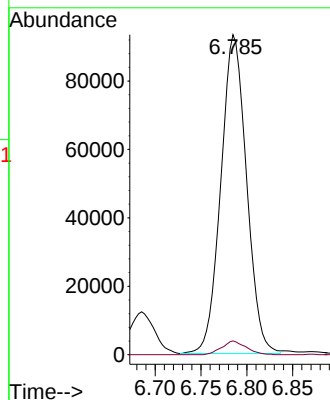
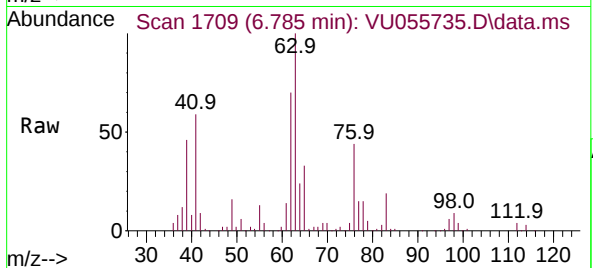
ClientSampleId :

Tgt Ion: 63 Resp: 181738

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.4



#38

Bromodichloromethane

Concen: 45.468 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

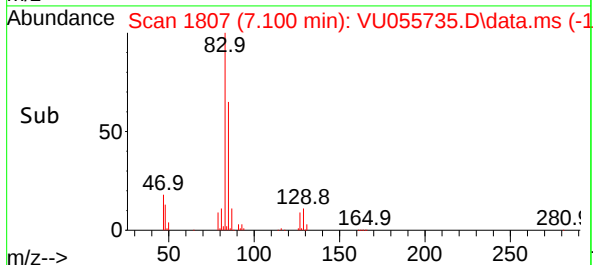
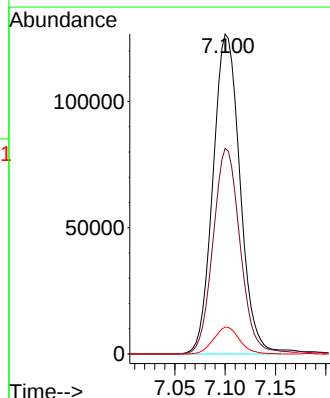
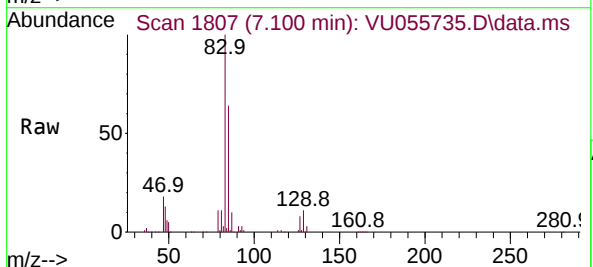
Tgt Ion: 83 Resp: 236846

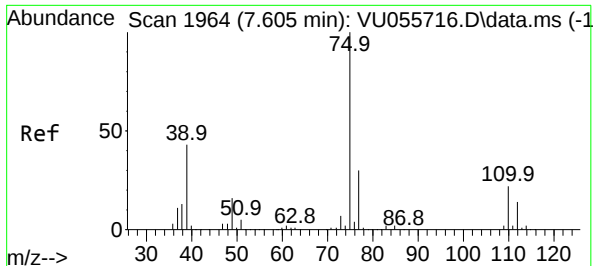
Ion Ratio Lower Upper

83 100

85 64.2 46.0 85.4

127 9.3 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 47.855 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Instrument :

MSVOA_U

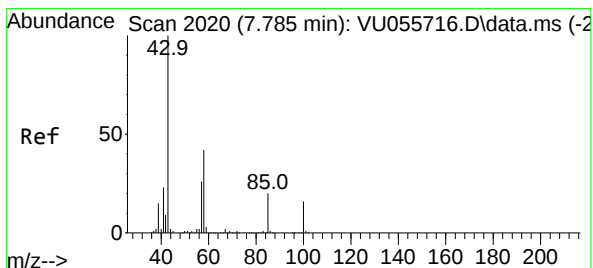
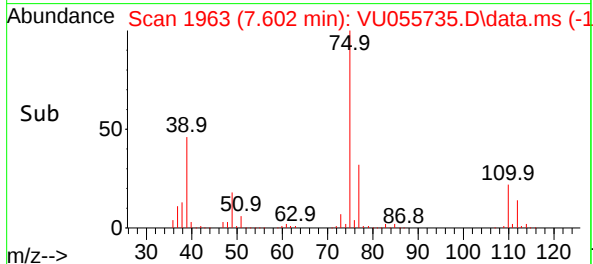
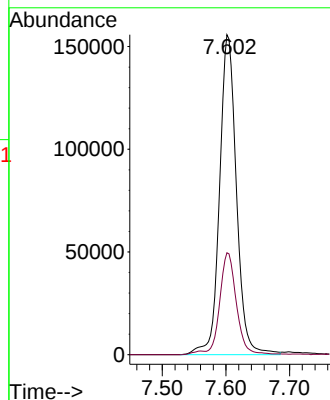
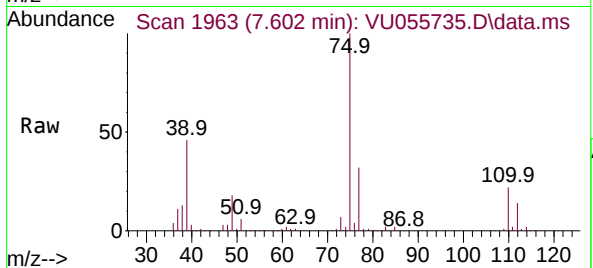
ClientSampleId :

Tgt Ion: 75 Resp: 287581

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 105.019 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

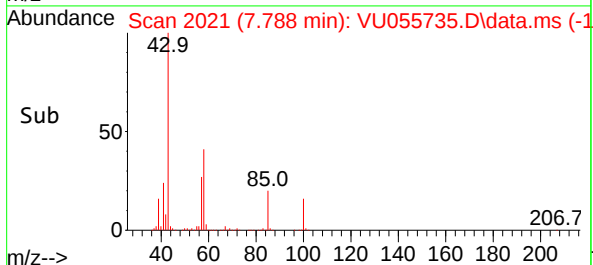
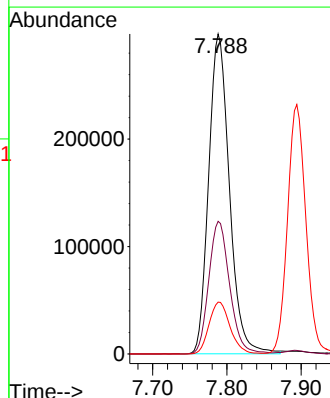
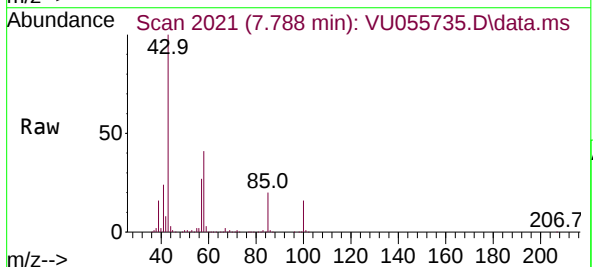
Tgt Ion: 43 Resp: 577100

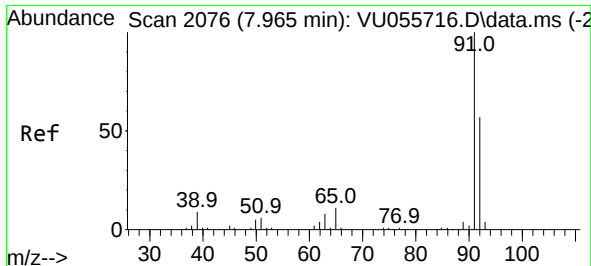
Ion Ratio Lower Upper

43 100

58 41.8 32.3 48.5

100 16.5 12.0 18.0





#42

Toluene

Concen: 48.281 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Instrument :

MSVOA_U

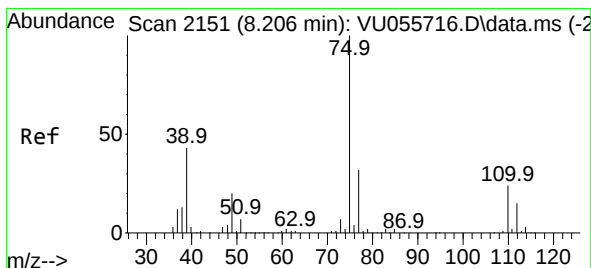
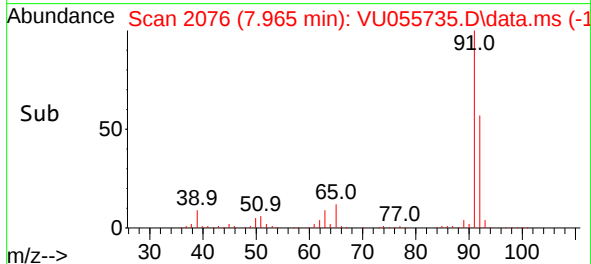
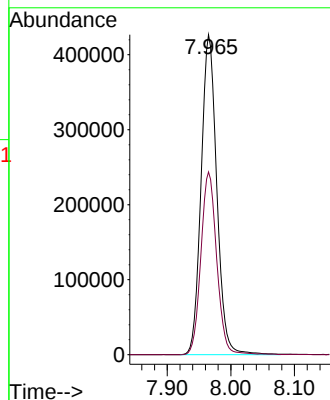
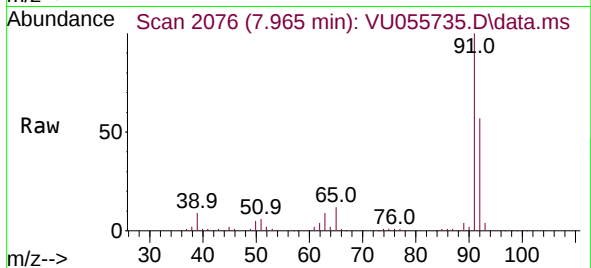
ClientSampleId :

Tgt Ion: 91 Resp: 730797

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 47.353 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU055735.D

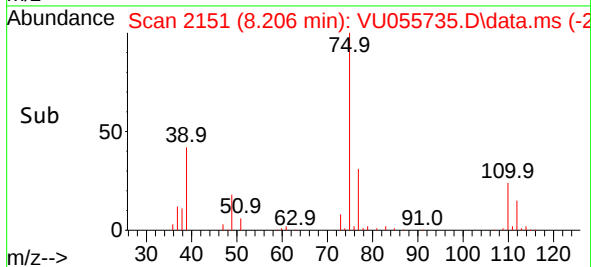
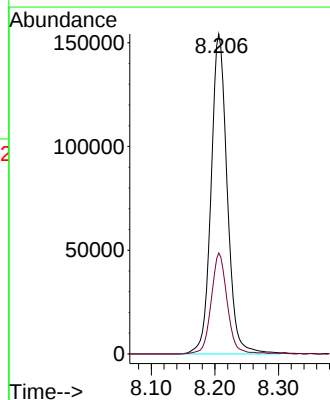
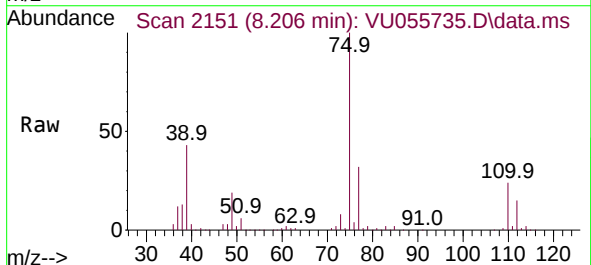
Acq: 10 Oct 2023 20:51

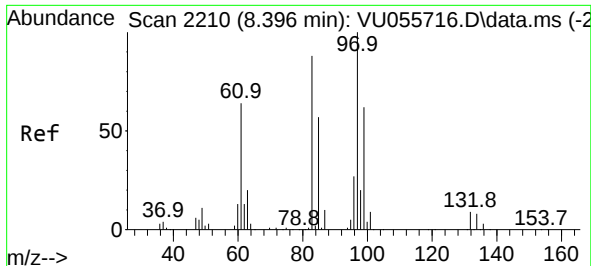
Tgt Ion: 75 Resp: 272269

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 47.402 ug/L

RT: 8.396 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 184625

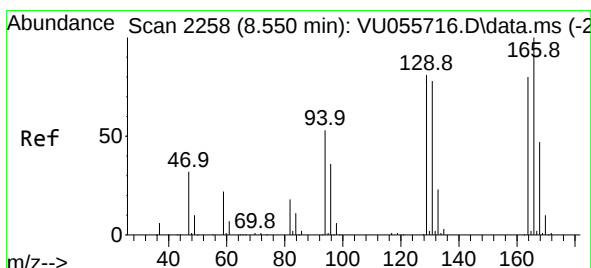
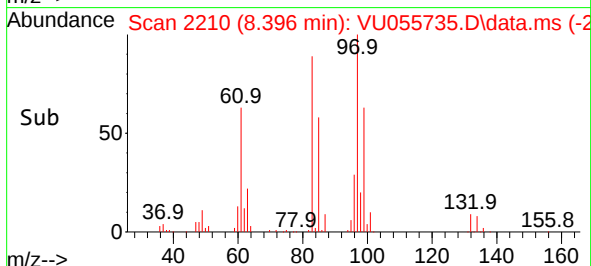
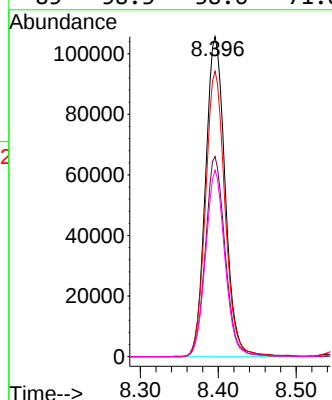
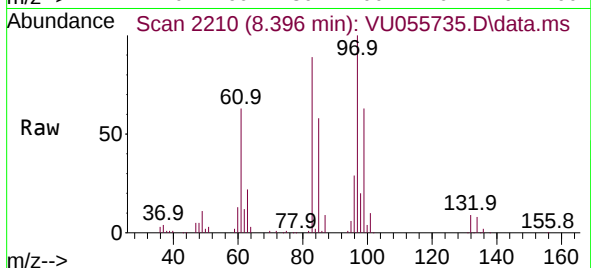
Ion Ratio Lower Upper

97 100

99 62.5 44.4 82.5

83 89.2 60.4 112.2

85 58.3 38.6 71.8



#46

Tetrachloroethene

Concen: 45.231 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Tgt Ion:164 Resp: 127107

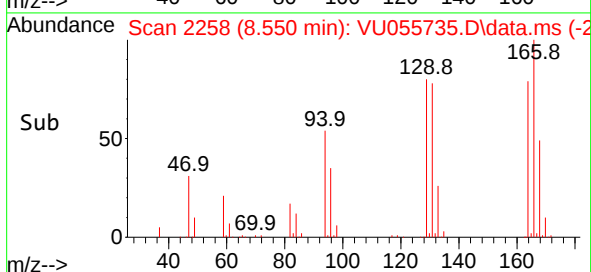
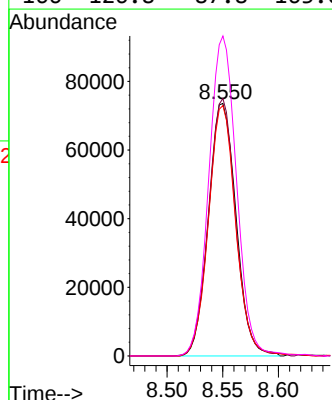
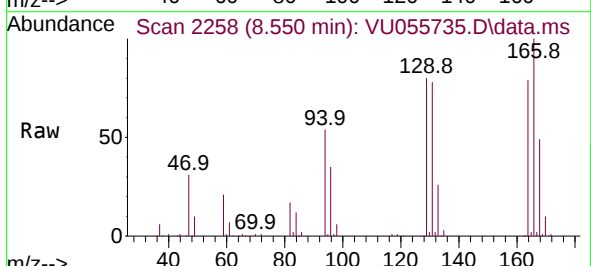
Ion Ratio Lower Upper

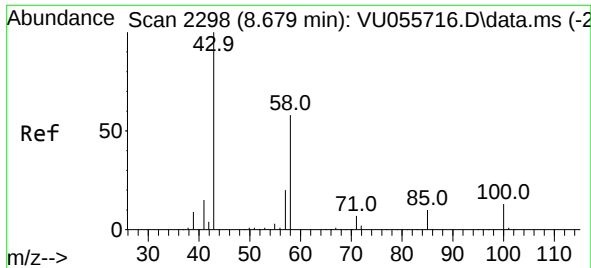
164 100

129 102.0 70.7 131.3

131 99.2 65.9 122.5

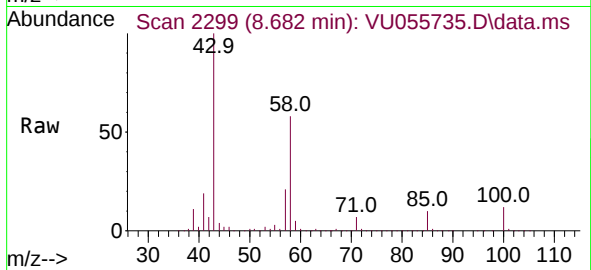
166 126.8 87.8 163.0



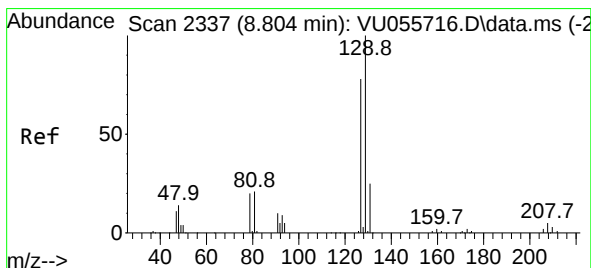
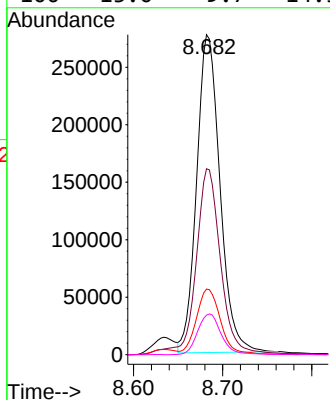
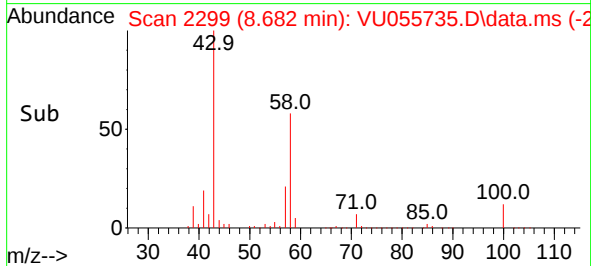


#48
2-Hexanone
Concen: 108.723 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

Instrument :
MSVOA_U
ClientSampleId :

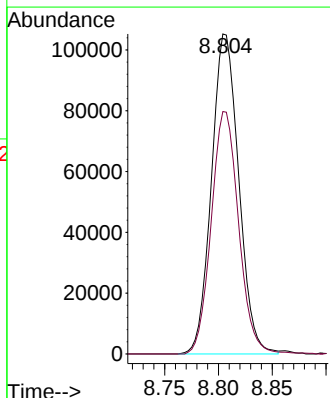
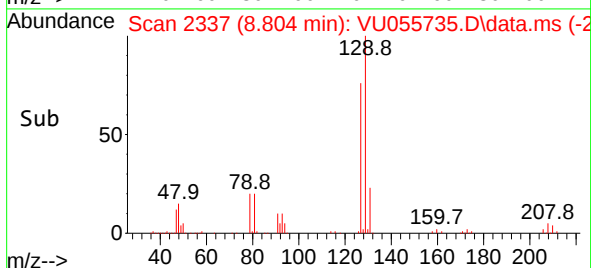
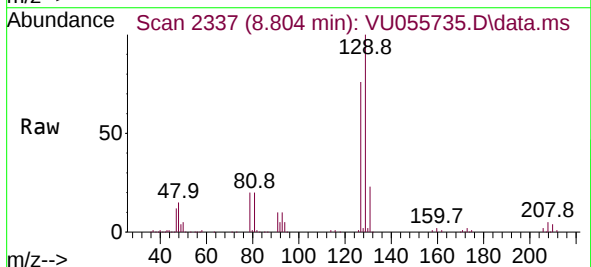


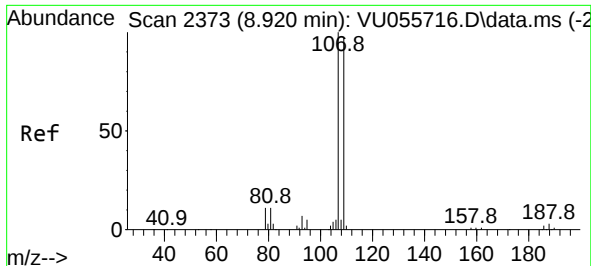
Tgt Ion: 43 Resp: 504645
Ion Ratio Lower Upper
43 100
58 61.7 45.2 67.8
57 21.0 16.1 24.1
100 13.0 9.7 14.5



#49
Dibromochloromethane
Concen: 46.637 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

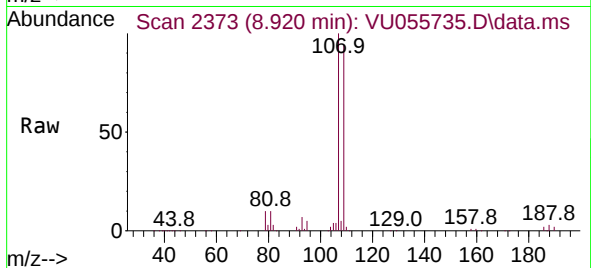
Tgt Ion: 129 Resp: 185600
Ion Ratio Lower Upper
129 100
127 75.7 54.0 100.4



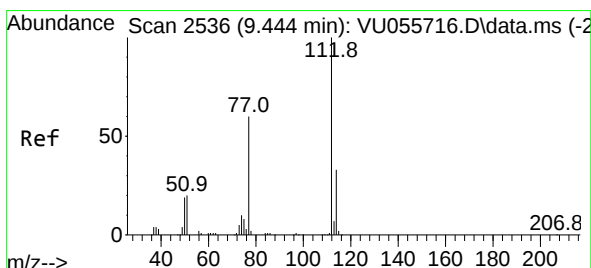
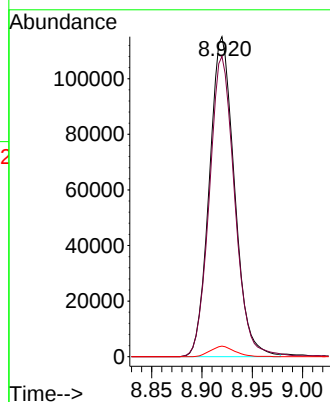
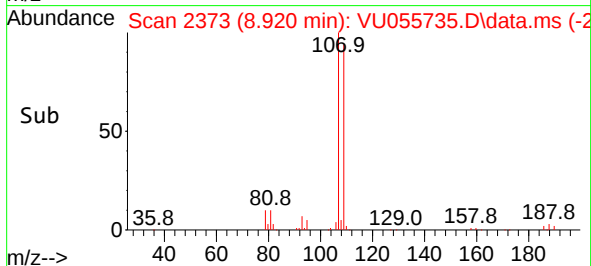


#50
1,2-Dibromoethane
Concen: 47.829 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

Instrument :
MSVOA_U
ClientSampleId :

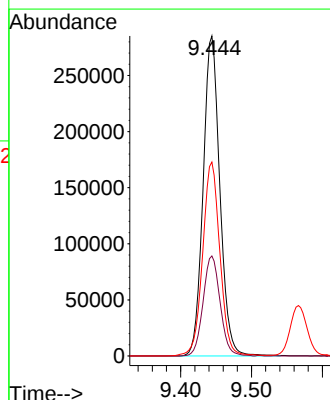
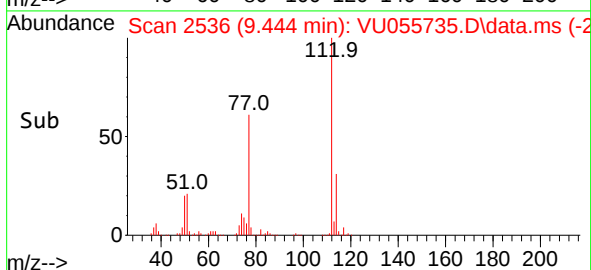
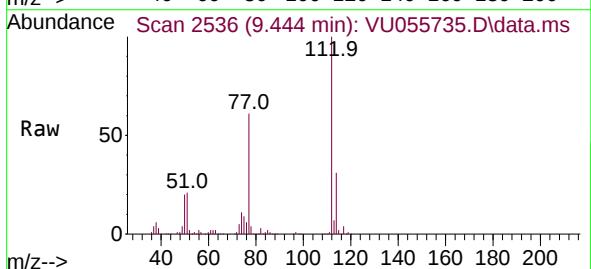


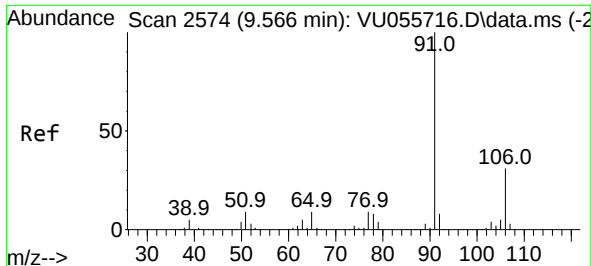
Tgt Ion:107 Resp: 200092
Ion Ratio Lower Upper
107 100
109 93.9 66.7 123.9
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 47.720 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

Tgt Ion:112 Resp: 467328
Ion Ratio Lower Upper
112 100
114 31.3 22.0 40.8
77 60.6 49.0 73.6

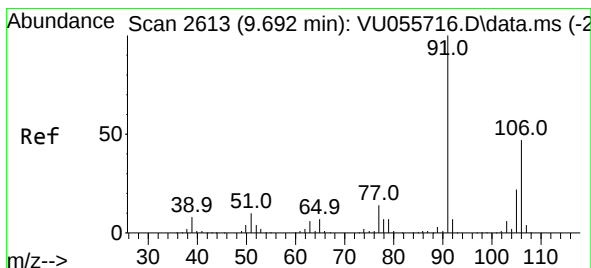
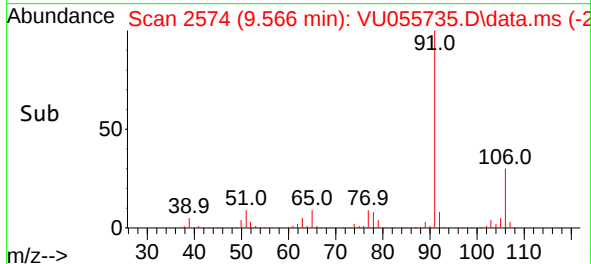
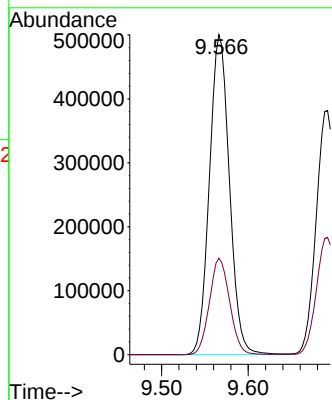
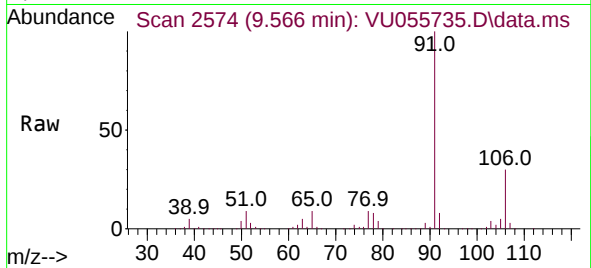




#52
Ethylbenzene
Concen: 48.535 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

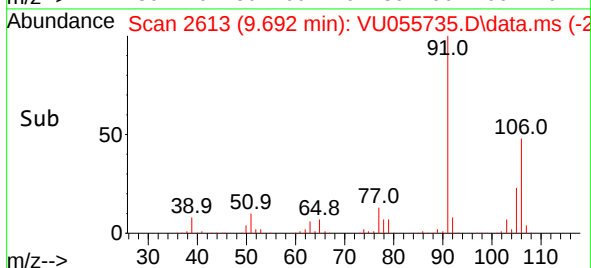
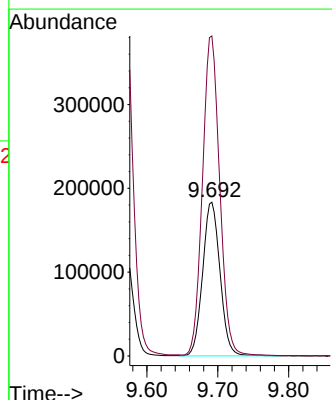
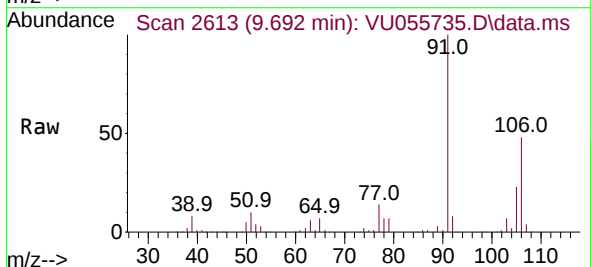
Instrument :
MSVOA_U
ClientSampleId :

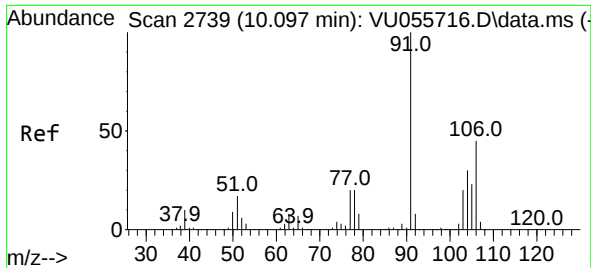
Tgt Ion: 91 Resp: 803157
Ion Ratio Lower Upper
91 100
106 30.2 21.2 39.4



#53
m,p-Xylene
Concen: 50.269 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

Tgt Ion: 106 Resp: 311645
Ion Ratio Lower Upper
106 100
91 208.0 143.8 267.0

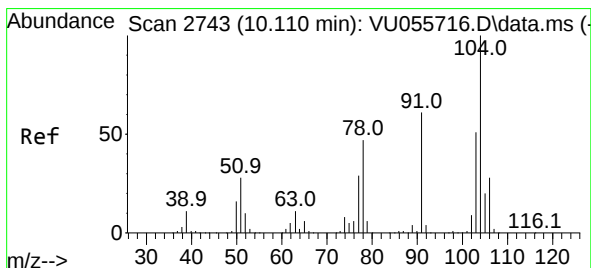
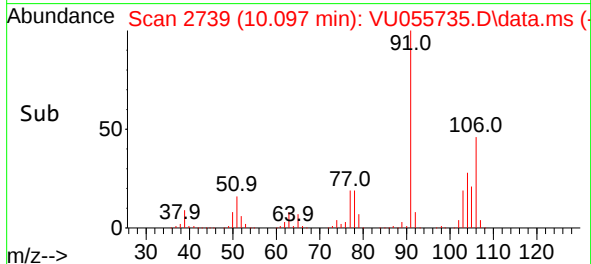
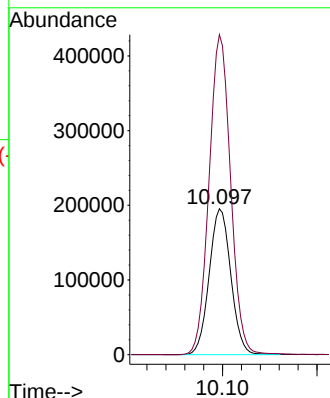
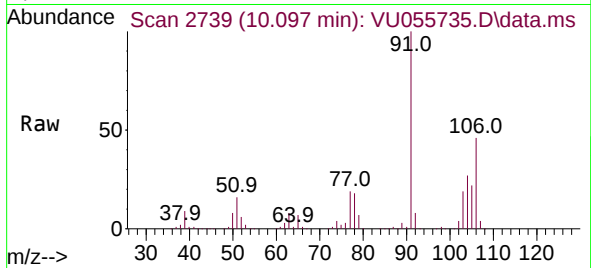




#54
o-Xylene
Concen: 51.783 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

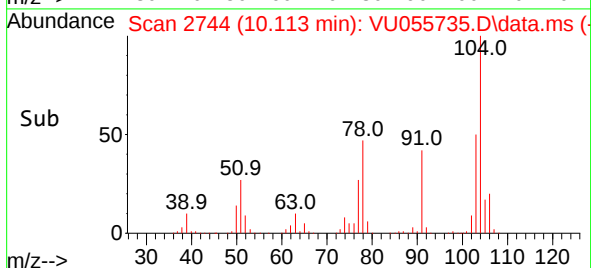
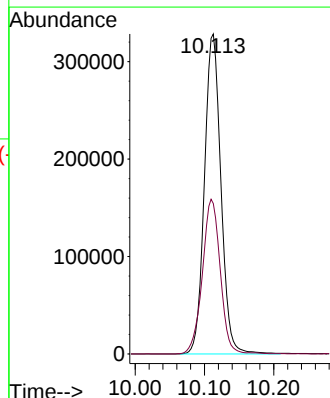
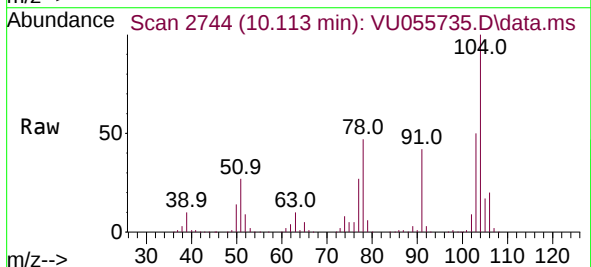
Instrument :
MSVOA_U
ClientSampleId :

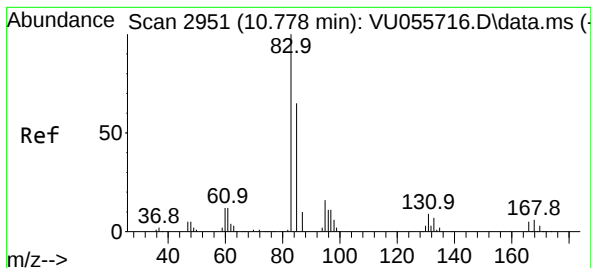
Tgt Ion:106 Resp: 310658
Ion Ratio Lower Upper
106 100
91 219.4 151.8 282.0



#55
Styrene
Concen: 53.362 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

Tgt Ion:104 Resp: 542320
Ion Ratio Lower Upper
104 100
78 47.0 33.6 62.4

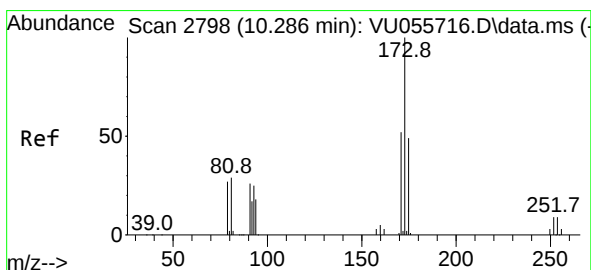
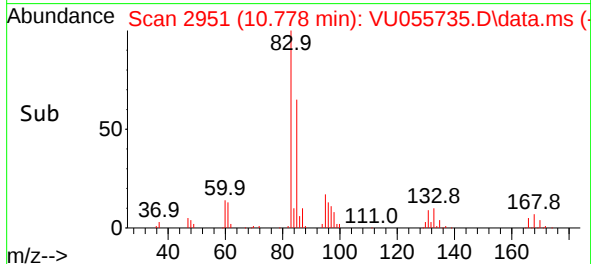
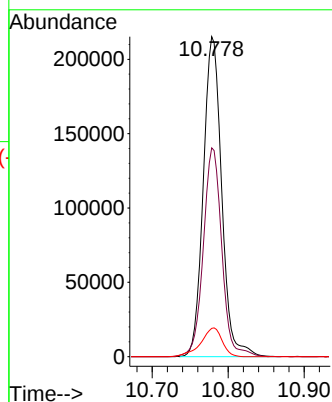
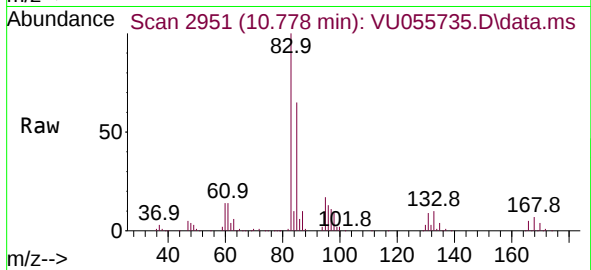




#57
 1,1,2,2-Tetrachloroethane
 Concen: 54.254 ug/L
 RT: 10.778 min Scan# 2951
 Delta R.T. -0.000 min
 Lab File: VU055735.D
 Acq: 10 Oct 2023 20:51

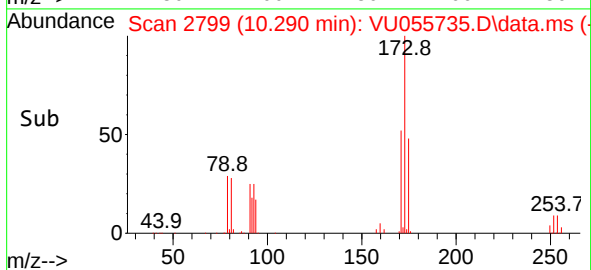
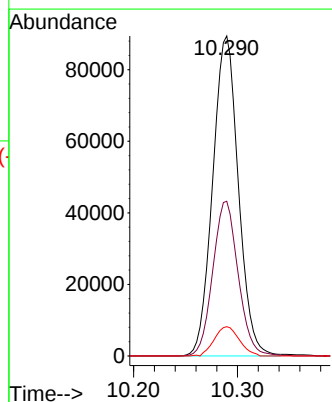
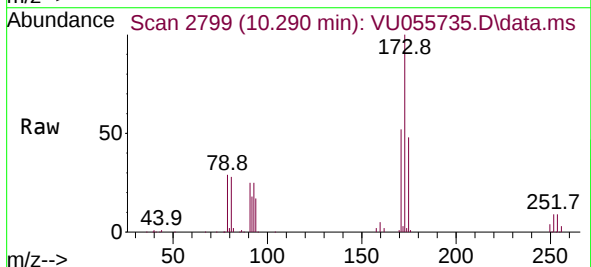
Instrument :
 MSVOA_U
 ClientSampleId :

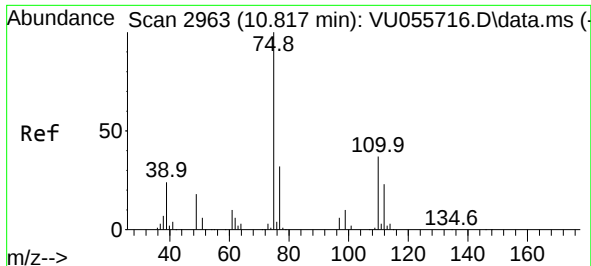
Tgt Ion: 83 Resp: 361828
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.9 83.5
 131 8.8 7.3 10.9



#59
 Bromoform
 Concen: 46.163 ug/L
 RT: 10.290 min Scan# 2799
 Delta R.T. 0.003 min
 Lab File: VU055735.D
 Acq: 10 Oct 2023 20:51

Tgt Ion:173 Resp: 153550
 Ion Ratio Lower Upper
 173 100
 175 47.7 40.4 60.6
 254 8.9 7.3 10.9

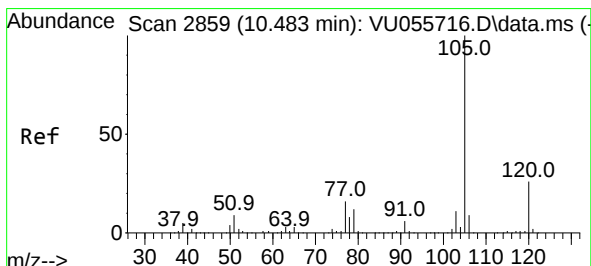
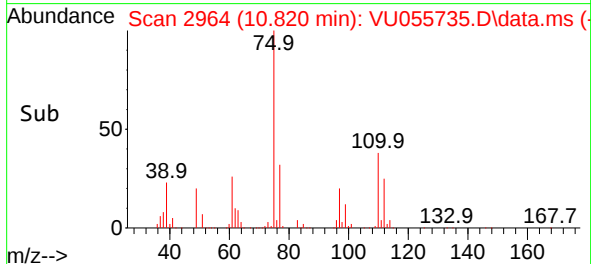
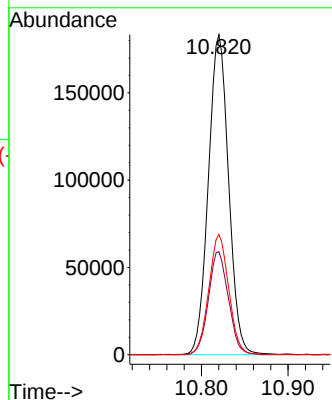
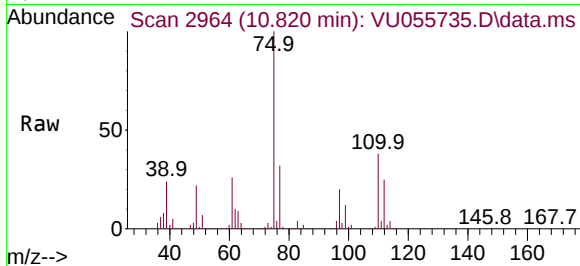




#60
1,2,3-Trichloropropane
Concen: 50.734 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

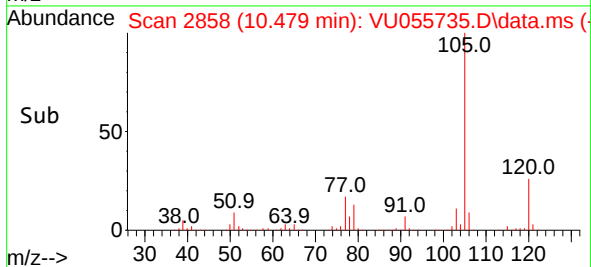
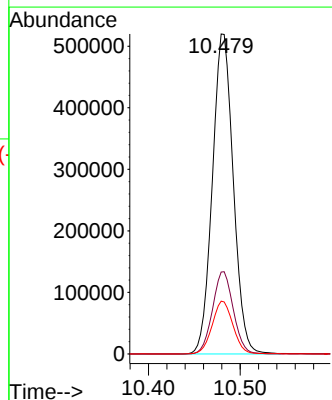
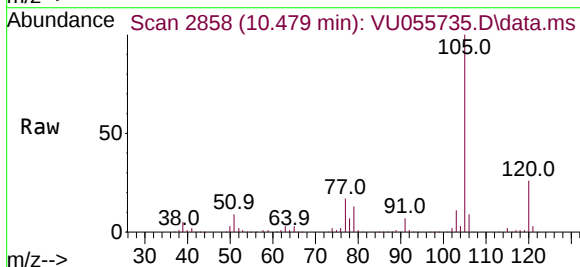
Instrument :
MSVOA_U
ClientSampleId :

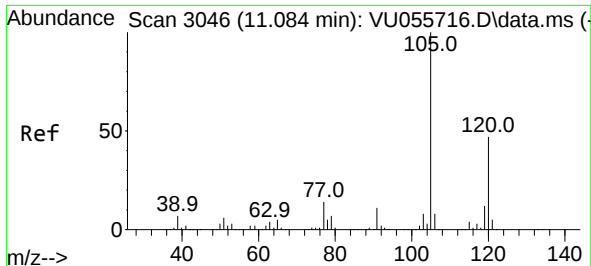
Tgt Ion: 75 Resp: 297515
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8
110 37.0 28.5 42.7



#61
Isopropylbenzene
Concen: 48.854 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.003 min
Lab File: VU055735.D
Acq: 10 Oct 2023 20:51

Tgt Ion: 105 Resp: 822936
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8
77 16.4 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 50.714 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Instrument :

MSVOA_U

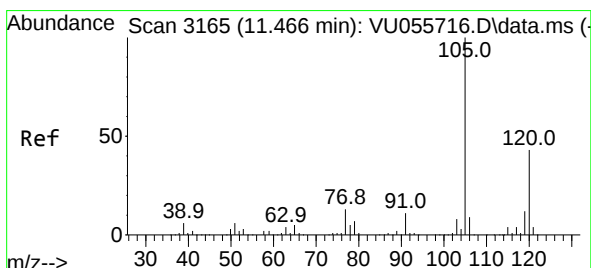
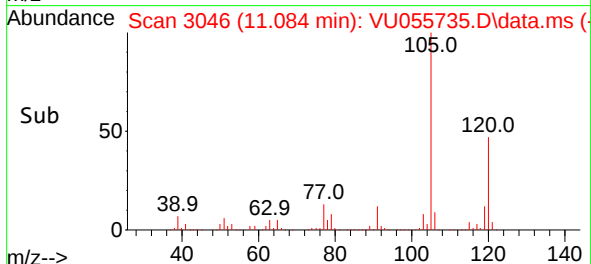
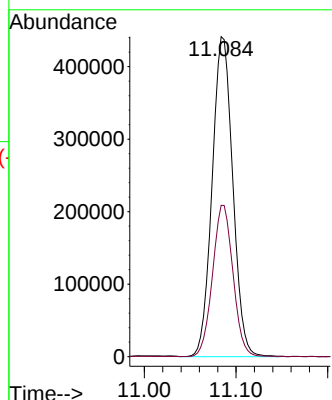
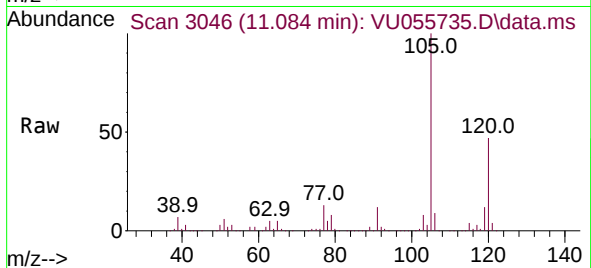
ClientSampleId :

Tgt Ion:105 Resp: 691231

Ion Ratio Lower Upper

105 100

120 46.9 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 51.382 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VU055735.D

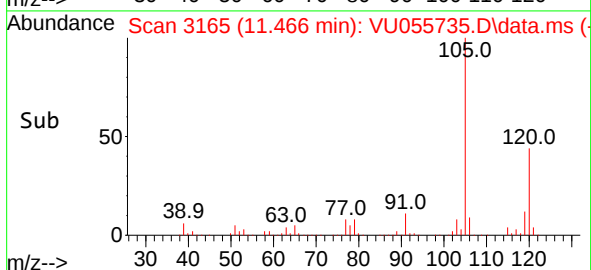
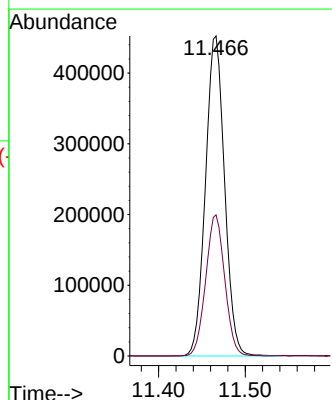
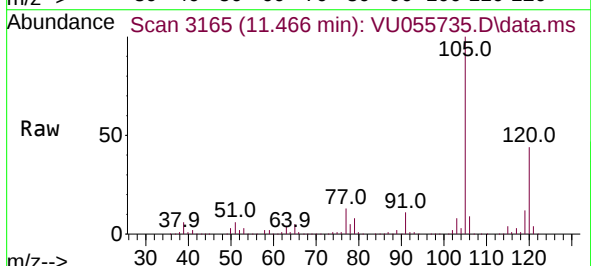
Acq: 10 Oct 2023 20:51

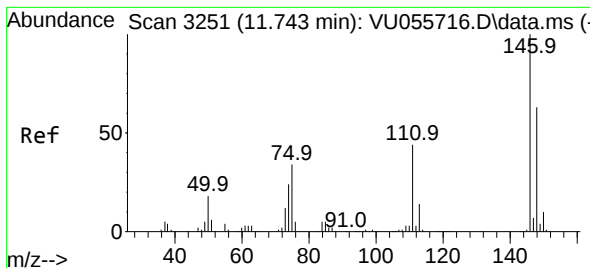
Tgt Ion:105 Resp: 692510

Ion Ratio Lower Upper

105 100

120 43.9 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 48.538 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. -0.000 min

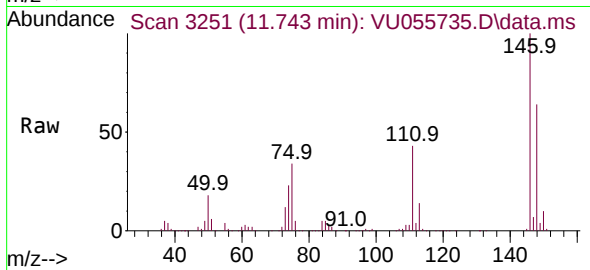
Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Instrument :

MSVOA_U

ClientSampleId :



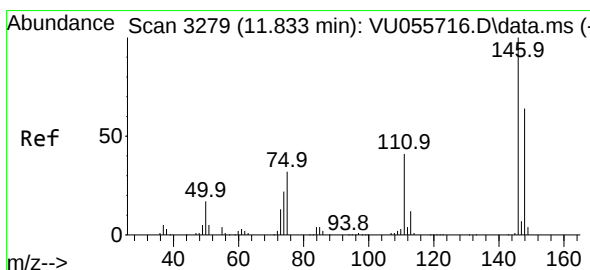
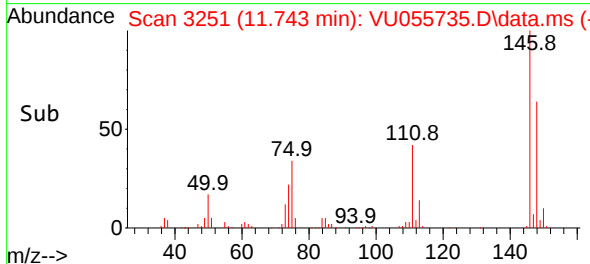
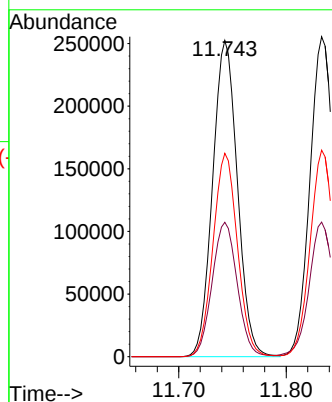
Tgt Ion:146 Resp: 404176

Ion Ratio Lower Upper

146 100

111 42.5 29.7 55.1

148 64.3 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 47.417 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

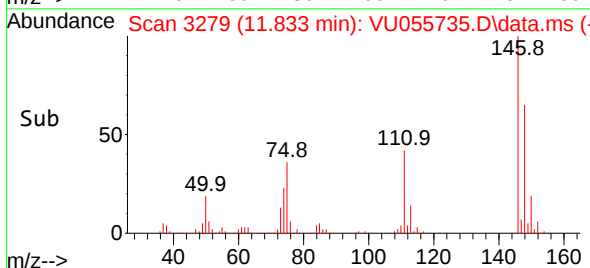
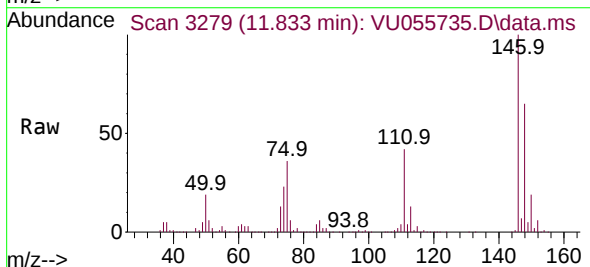
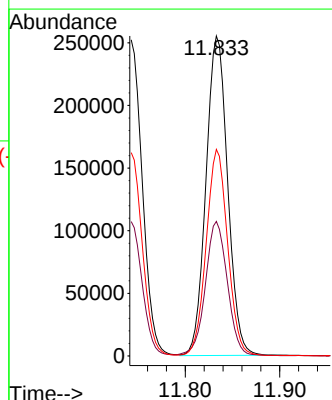
Tgt Ion:146 Resp: 405950

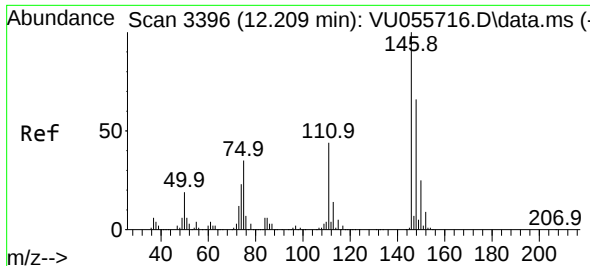
Ion Ratio Lower Upper

146 100

111 42.0 28.6 53.0

148 64.6 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 49.379 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

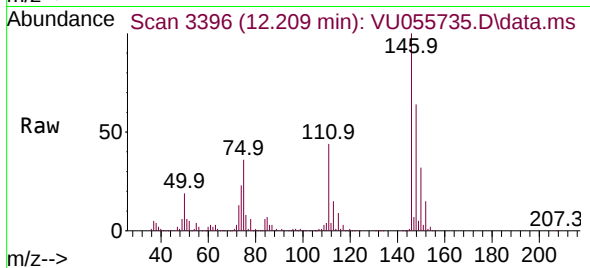
Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Instrument :

MSVOA_U

ClientSampleId :



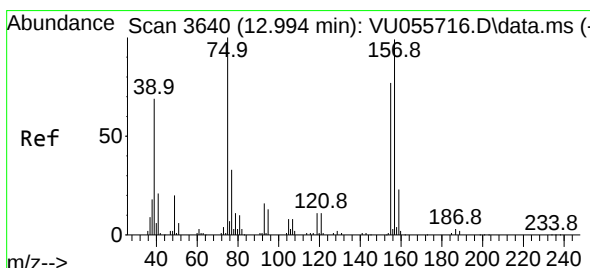
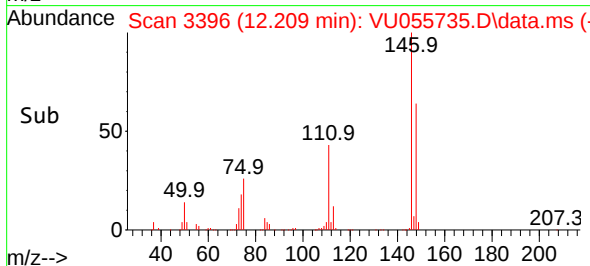
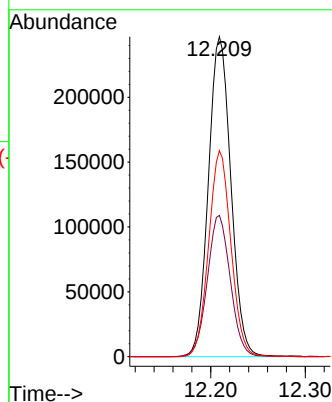
Tgt Ion:146 Resp: 408046

Ion Ratio Lower Upper

146 100

111 44.2 35.2 52.8

148 64.4 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 45.300 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

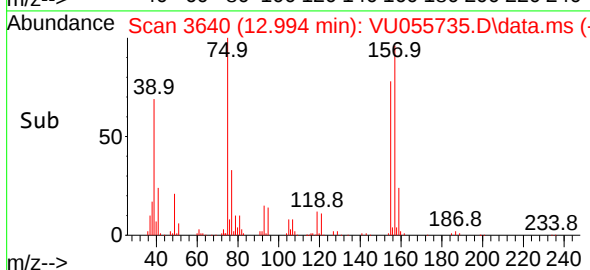
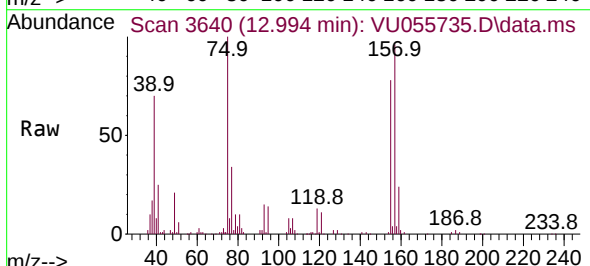
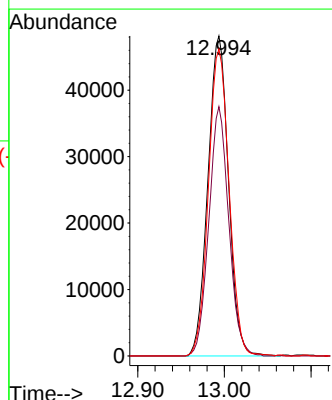
Tgt Ion: 75 Resp: 79419

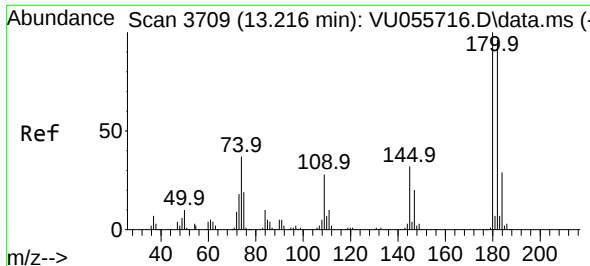
Ion Ratio Lower Upper

75 100

155 81.8 59.6 89.4

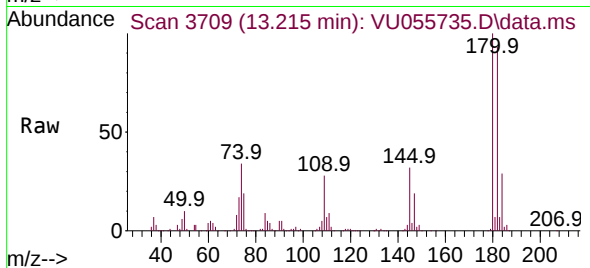
157 99.6 77.7 116.5



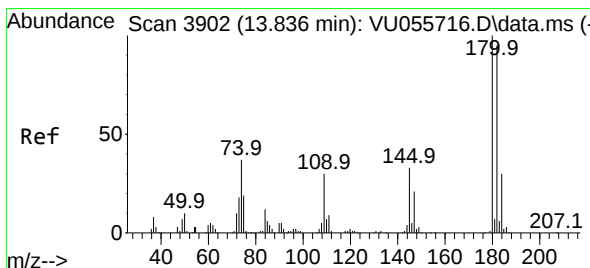
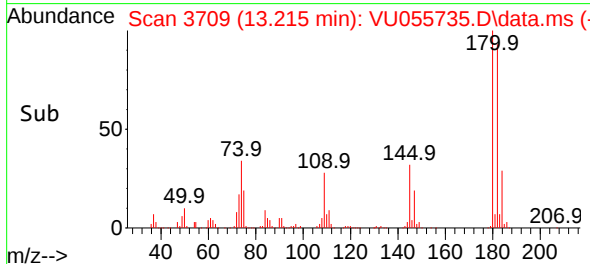
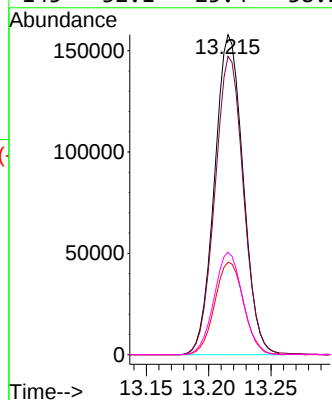


#69
 1,3,5-Trichlorobenzene
 Concen: 45.317 ug/L
 RT: 13.215 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU055735.D
 Acq: 10 Oct 2023 20:51

Instrument :
 MSVOA_U
 ClientSampleId :

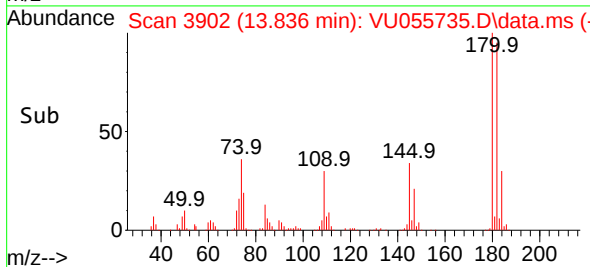
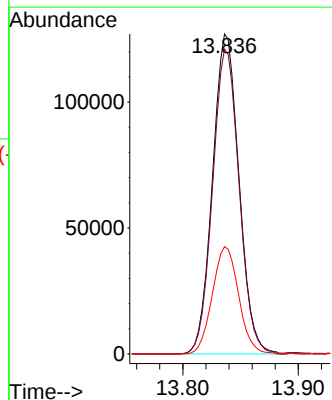
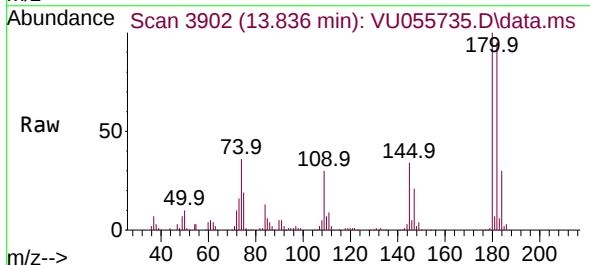


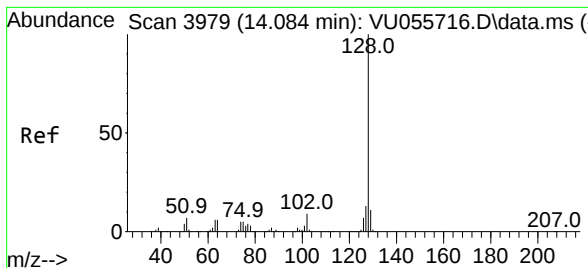
Tgt Ion:180 Resp: 251705
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.2 114.2
 184 29.5 23.9 35.9
 145 32.1 25.4 38.2



#70
 1,2,4-trichlorobenzene
 Concen: 43.663 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU055735.D
 Acq: 10 Oct 2023 20:51

Tgt Ion:180 Resp: 202004
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.4 113.2
 145 33.4 26.1 39.1





#71

Naphthalene

Concen: 47.394 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Instrument :

MSVOA_U

ClientSampleId :

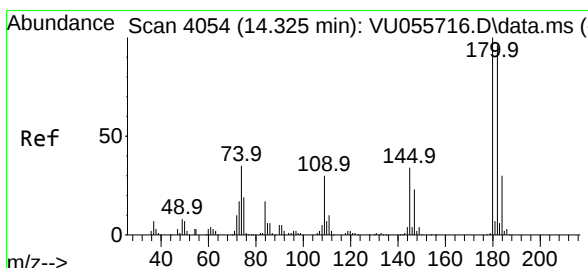
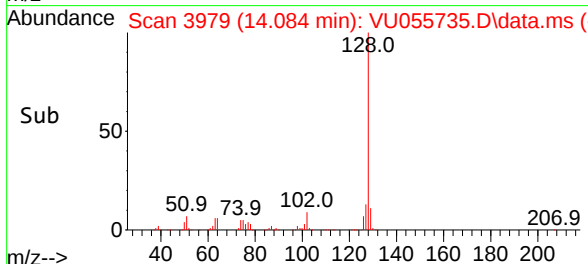
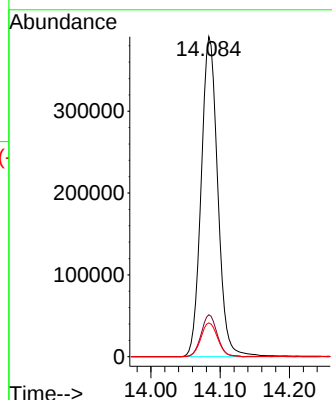
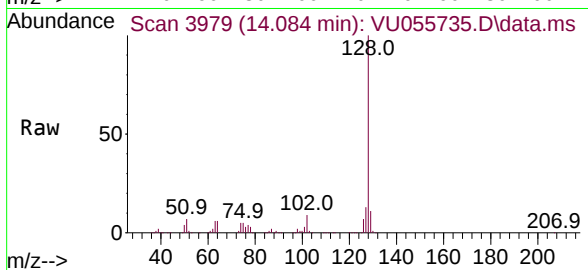
Tgt Ion:128 Resp: 651343

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 43.999 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU055735.D

Acq: 10 Oct 2023 20:51

Tgt Ion:180 Resp: 200696

Ion Ratio Lower Upper

180 100

182 96.6 78.1 117.1

145 35.1 27.4 41.0

