

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102523\
 Data File : VU055867.D
 Acq On : 25 Oct 2023 09:31
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 01:47:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 23 01:04:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	575849	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	577037	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	315711	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	184516	35.723	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.440%
7) Chloroethane-d5	1.907	69	169769	40.210	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.420%
11) 1,1-Dichloroethene-d2	2.567	63	379152	41.169	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.340%
21) 2-Butanone-d5	4.611	46	282870	73.909	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	73.910%
24) Chloroform-d	5.058	84	452148	45.662	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.320%
26) 1,2-Dichloroethane-d4	5.695	65	274049	44.964	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.920%
32) Benzene-d6	5.724	84	836603	45.313	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.620%
36) 1,2-Dichloropropane-d6	6.685	67	272705	46.657	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.320%
41) Toluene-d8	7.894	98	759240	45.542	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.080%
43) trans-1,3-Dichloroprop...	8.177	79	131129	46.704	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.400%
47) 2-Hexanone-d5	8.627	63	228291	99.353	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.350%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	419462	46.624	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.240%
66) 1,2-Dichlorobenzene-d4	12.190	152	309553	49.409	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	224035	46.725	ug/L	100
3) Chloromethane	1.522	50	232428	51.230	ug/L	99
5) Vinyl chloride	1.605	62	252335	50.539	ug/L	99
6) Bromomethane	1.849	94	160966	50.430	ug/L	98
8) Chloroethane	1.930	64	163972	50.067	ug/L	96
9) Trichlorofluoromethane	2.136	101	369799	51.839	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	234258	51.062	ug/L	97
12) 1,1-Dichloroethene	2.579	96	207293	50.777	ug/L	90
13) Acetone	2.615	43	280926	79.097	ug/L	99
14) Carbon disulfide	2.792	76	579893	46.677	ug/L	100
15) Methyl Acetate	2.939	43	211412	38.868	ug/L	95
16) Methylene chloride	3.042	84	246417	49.773	ug/L	93
17) trans-1,2-Dichloroethene	3.351	96	215831	51.702	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	729794	54.360	ug/L	98
19) 1,1-Dichloroethane	3.865	63	425141	49.661	ug/L	99
20) cis-1,2-Dichloroethene	4.663	96	252825	53.066	ug/L	97
22) 2-Butanone	4.692	43	319636	74.666	ug/L	100
23) Bromochloromethane	4.968	128	127817	51.801	ug/L	95
25) Chloroform	5.084	83	454693	50.844	ug/L	98

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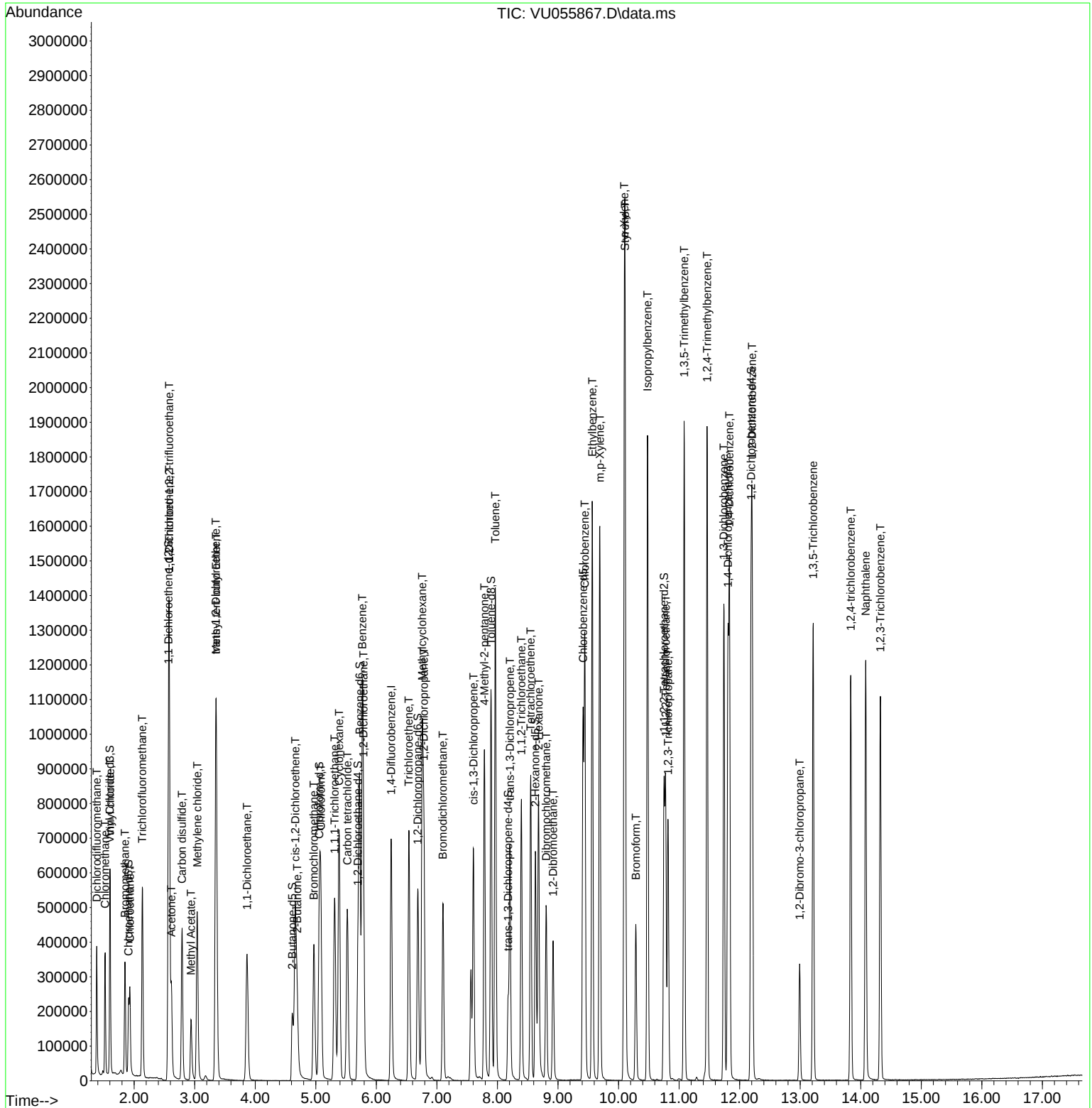
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 ClientSampleId :

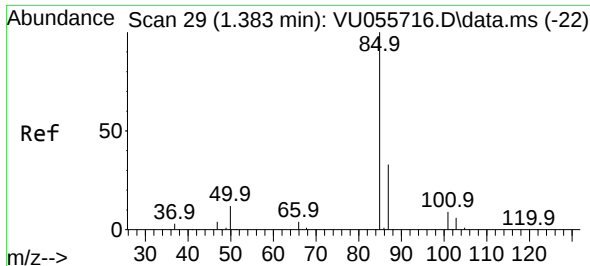
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 23 01:04:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	356363	49.822	ug/L	100
29) Cyclohexane	5.386	56	370228	55.976	ug/L	98
30) 1,1,1-Trichloroethane	5.312	97	394863	52.966	ug/L	98
31) Carbon tetrachloride	5.521	117	343454	52.633	ug/L	97
33) Benzene	5.769	78	972135	53.295	ug/L	100
34) Trichloroethene	6.537	95	256752	51.444	ug/L	97
35) Methylcyclohexane	6.759	83	405371	55.980	ug/L	99
37) 1,2-Dichloropropane	6.785	63	256320	51.031	ug/L	99
38) Bromodichloromethane	7.100	83	341580	51.569	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	411795	53.889	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	600423	85.927	ug/L	96
42) Toluene	7.965	91	1060468	55.097	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	394548	53.963	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	252055	50.892	ug/L	98
46) Tetrachloroethene	8.550	164	195559	54.727	ug/L	98
48) 2-Hexanone	8.679	43	499962	84.707	ug/L	97
49) Dibromochloromethane	8.804	129	269709	53.296	ug/L	100
50) 1,2-Dibromoethane	8.920	107	271746	51.083	ug/L	99
51) Chlorobenzene	9.444	112	671657	53.935	ug/L	99
52) Ethylbenzene	9.566	91	1189970	56.551	ug/L	100
53) m,p-Xylene	9.692	106	453257	57.495	ug/L	95
54) o-Xylene	10.097	106	443802	58.176	ug/L	96
55) Styrene	10.110	104	766733	59.330	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	425455	50.169	ug/L	100
59) Bromoform	10.286	173	203730	52.420	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	324030	47.291	ug/L	98
61) Isopropylbenzene	10.479	105	1193357	60.633	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	1039470	65.270	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	1040678	66.084	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	555368	57.081	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	557859	55.768	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	551729	57.142	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	88494	43.200	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	400135	61.656	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	345189	63.857	ug/L	99
71) Naphthalene	14.084	128	976505	60.812	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	329123	61.753	ug/L	99

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

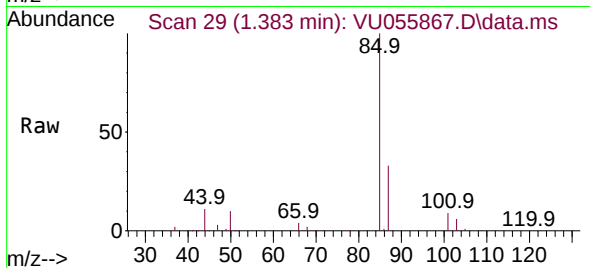
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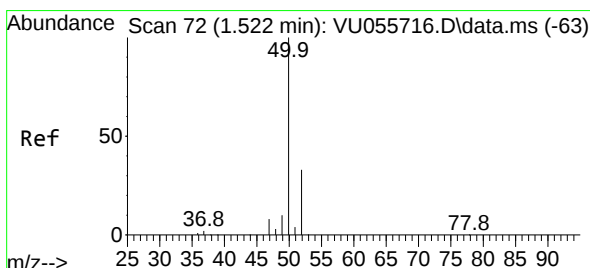
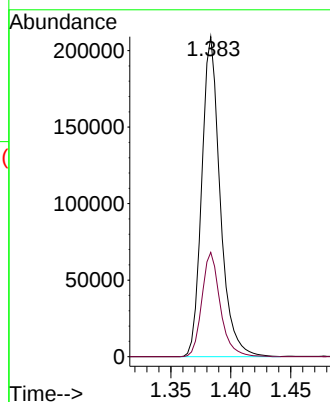
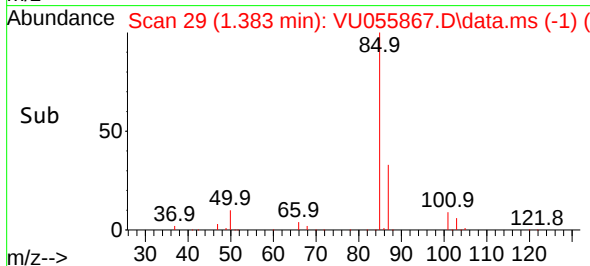


#2
 Dichlorodifluoromethane
 Concen: 46.725 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055867.D
 Acq: 25 Oct 2023 09:31

Instrument :
 MSVOA_U
 ClientSampleId :

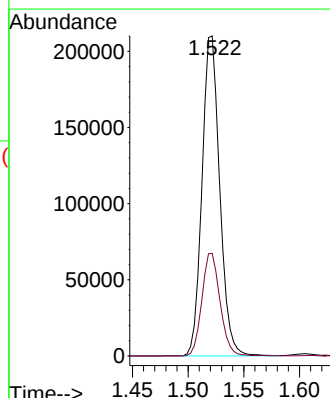
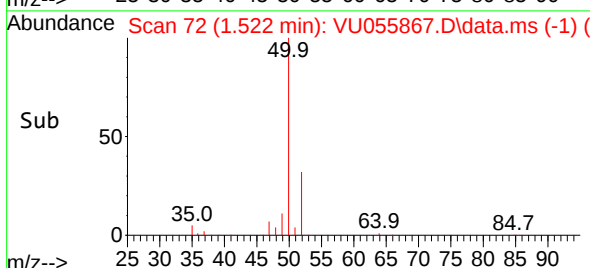
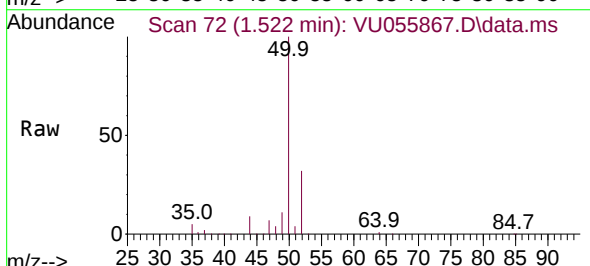


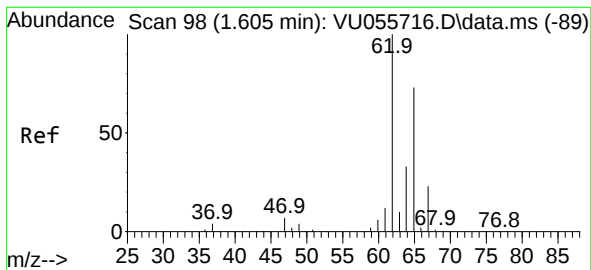
Tgt Ion: 85 Resp: 224035
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.0 39.0



#3
 Chloromethane
 Concen: 51.230 ug/L
 RT: 1.522 min Scan# 72
 Delta R.T. 0.003 min
 Lab File: VU055867.D
 Acq: 25 Oct 2023 09:31

Tgt Ion: 50 Resp: 232428
 Ion Ratio Lower Upper
 50 100
 52 32.0 22.8 42.4





#5

Vinyl chloride

Concen: 50.539 ug/L

RT: 1.605 min Scan# 98

Delta R.T. 0.003 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Instrument :

MSVOA_U

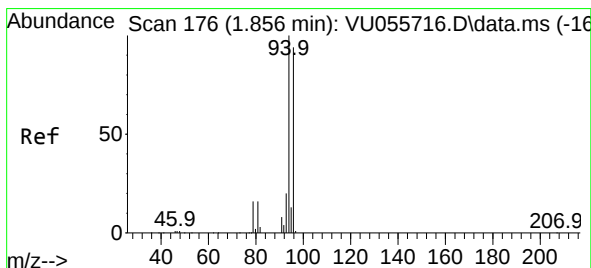
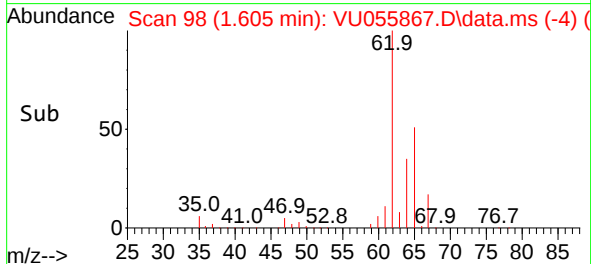
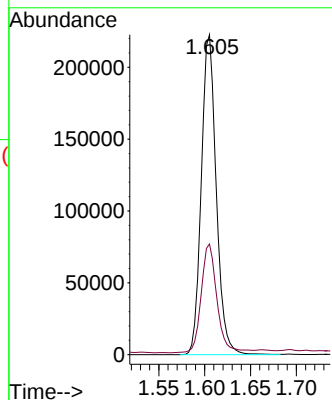
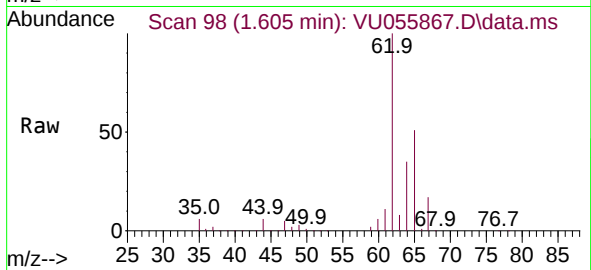
ClientSampleId :

Tgt Ion: 62 Resp: 252335

Ion Ratio Lower Upper

62 100

64 34.6 23.9 44.5



#6

Bromomethane

Concen: 50.430 ug/L

RT: 1.849 min Scan# 174

Delta R.T. 0.003 min

Lab File: VU055867.D

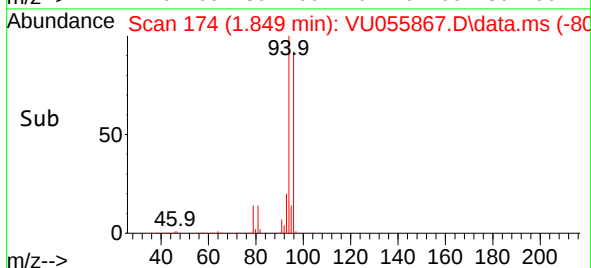
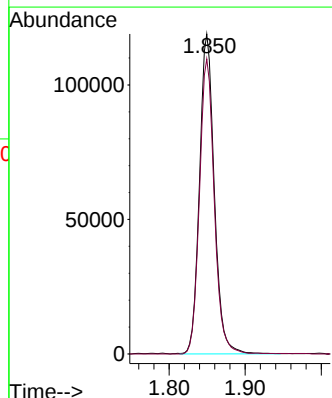
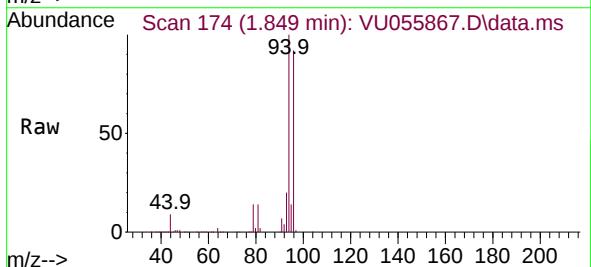
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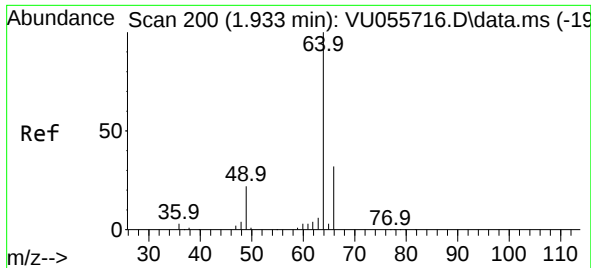
Tgt Ion: 94 Resp: 160966

Ion Ratio Lower Upper

94 100

96 92.2 63.5 117.9

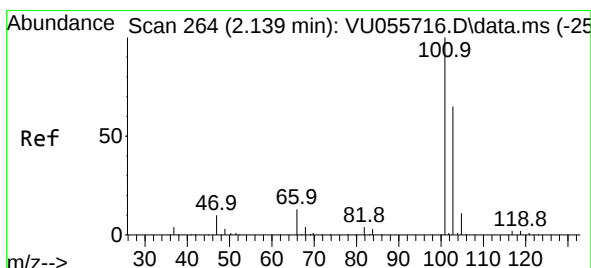
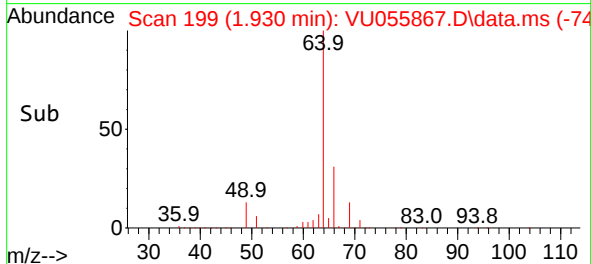
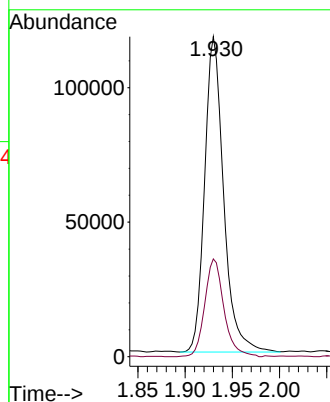
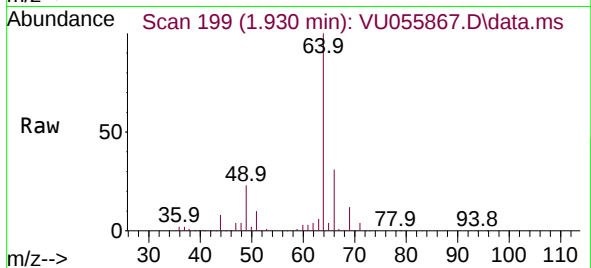




#8
Chloroethane
Concen: 50.067 ug/L
RT: 1.930 min Scan# 19
Delta R.T. 0.003 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

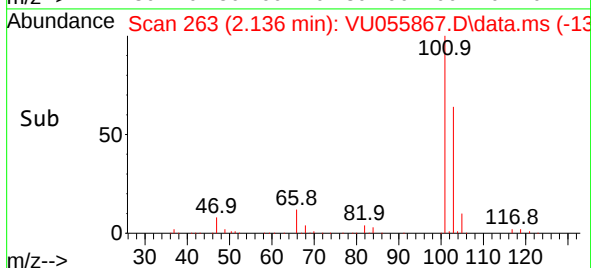
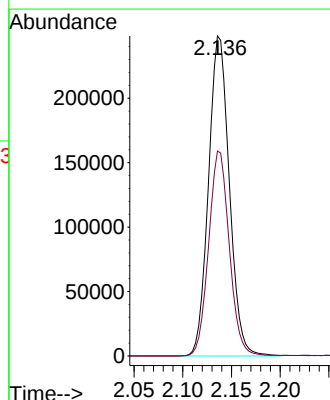
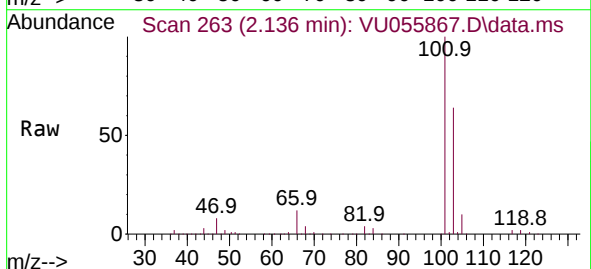
Instrument :
MSVOA_U
ClientSampleId :

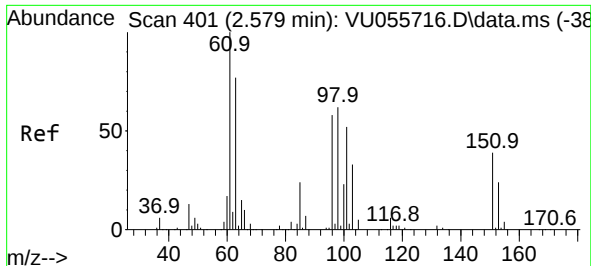
Tgt Ion: 64 Resp: 163972
Ion Ratio Lower Upper
64 100
66 30.6 22.9 42.5



#9
Trichlorofluoromethane
Concen: 51.839 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

Tgt Ion:101 Resp: 369799
Ion Ratio Lower Upper
101 100
103 63.5 51.3 76.9

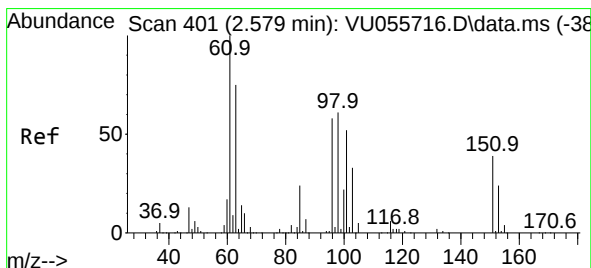
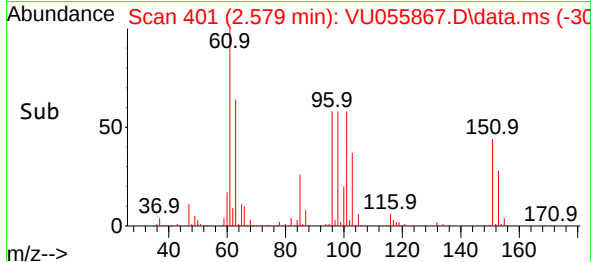
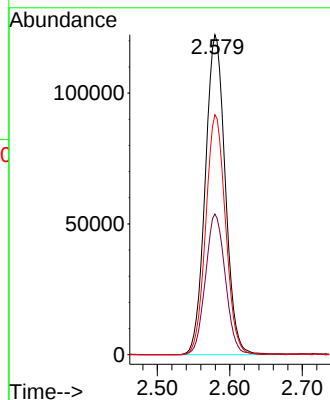
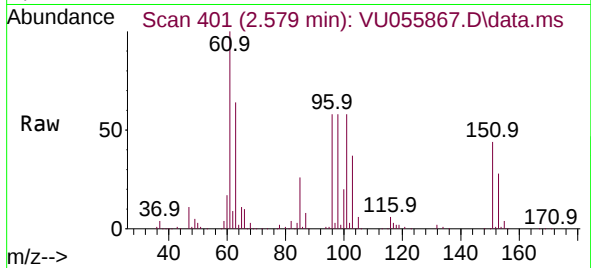




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.062 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU055867.D
 Acq: 25 Oct 2023 09:31

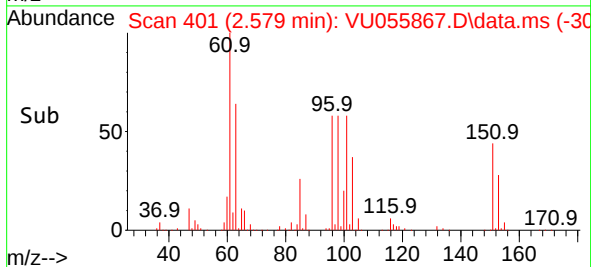
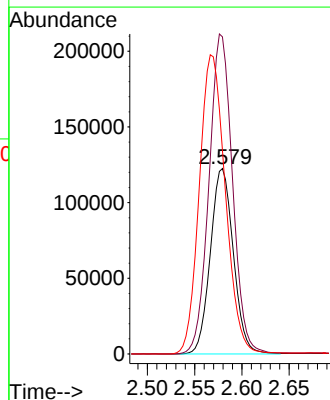
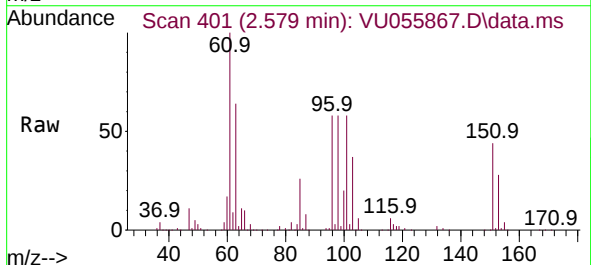
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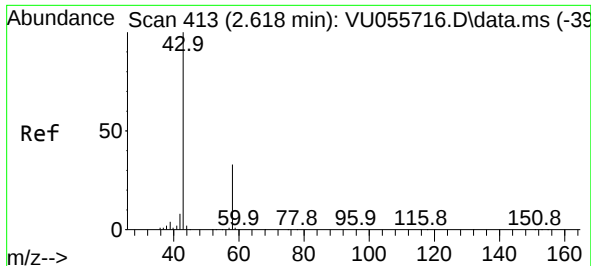
Tgt Ion:101 Resp: 234258
 Ion Ratio Lower Upper
 101 100
 85 43.8 37.1 55.7
 151 74.2 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 50.777 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU055867.D
 Acq: 25 Oct 2023 09:31

Tgt Ion: 96 Resp: 207293
 Ion Ratio Lower Upper
 96 100
 61 171.0 122.0 226.6
 63 109.9 93.7 174.1

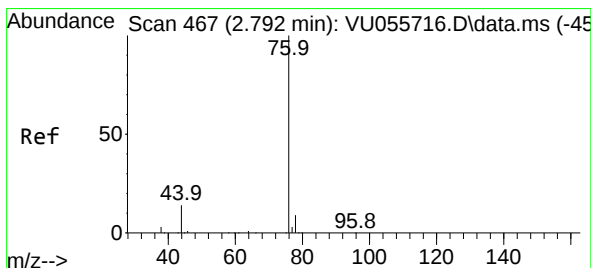
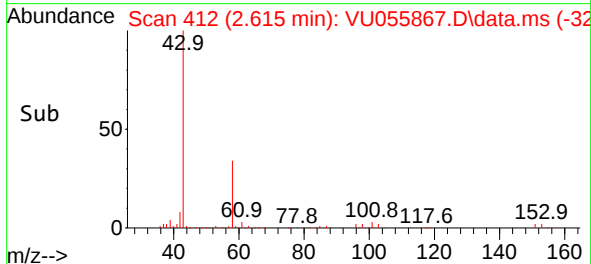
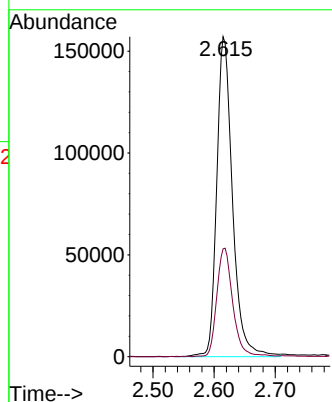
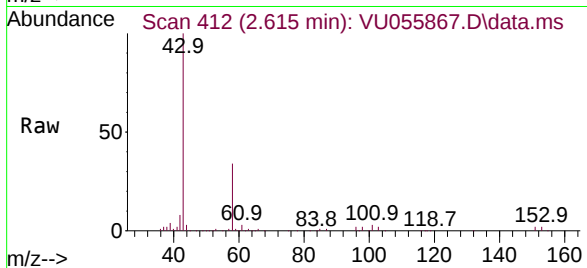




#13
Acetone
Concen: 79.097 ug/L
RT: 2.615 min Scan# 413
Delta R.T. -0.003 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

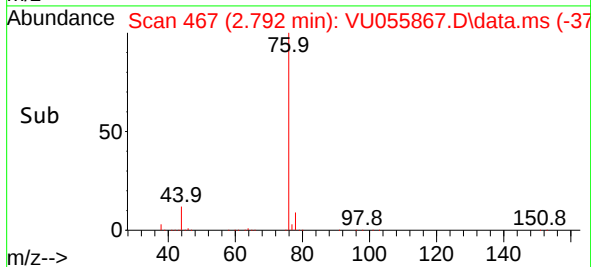
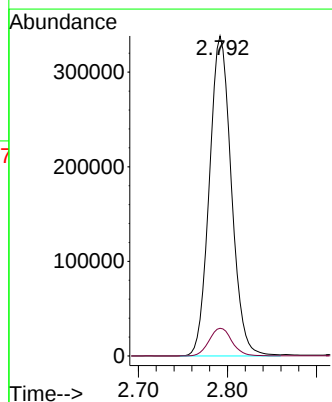
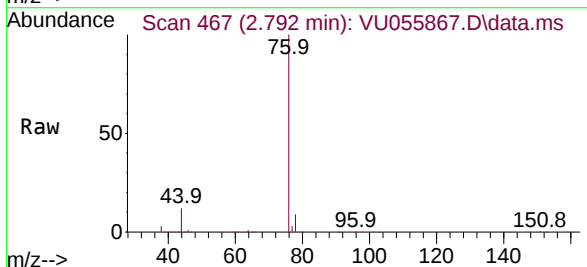
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ClientSampleId :

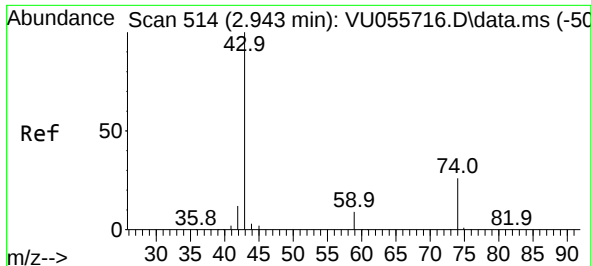
Tgt Ion: 43 Resp: 280926
Ion Ratio Lower Upper
43 100
58 34.2 0.0 67.4



#14
Carbon disulfide
Concen: 46.677 ug/L
RT: 2.792 min Scan# 467
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

Tgt Ion: 76 Resp: 579893
Ion Ratio Lower Upper
76 100
78 8.7 6.8 10.2

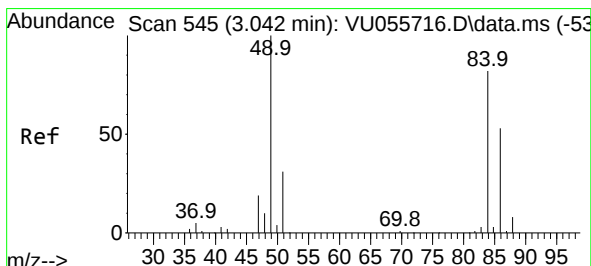
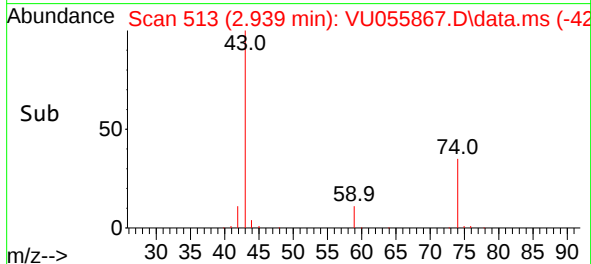
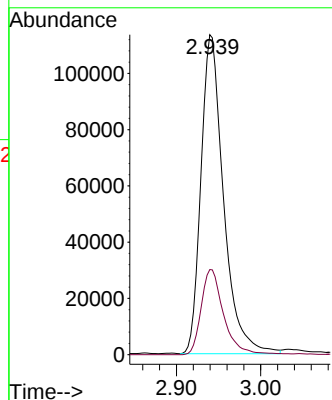
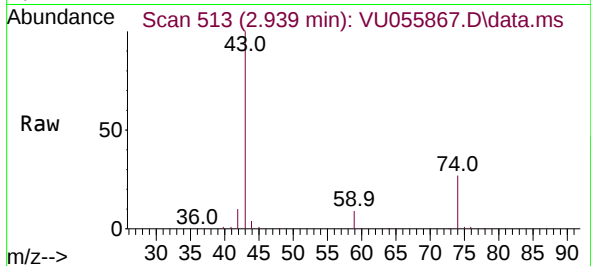




#15
Methyl Acetate
Concen: 38.868 ug/L
RT: 2.939 min Scan# 514
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

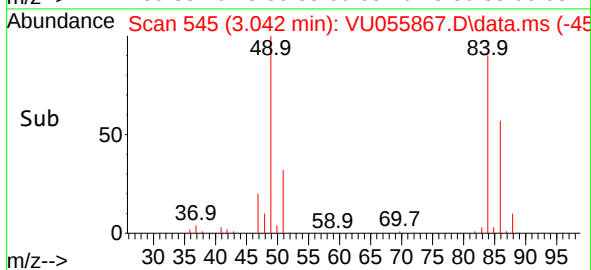
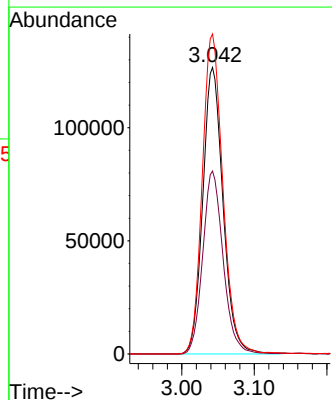
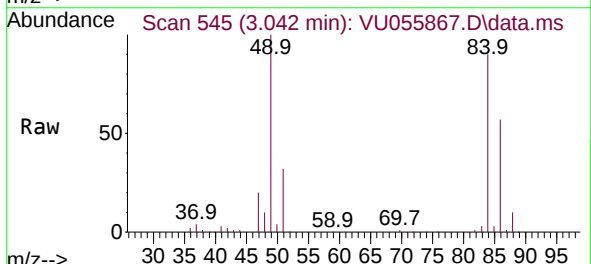
Instrument :
MSVOA_U
ClientSampleId :

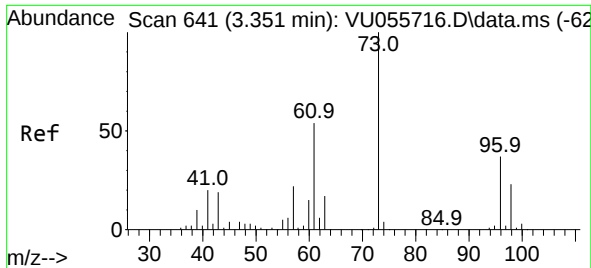
Tgt Ion: 43 Resp: 211412
Ion Ratio Lower Upper
43 100
74 26.7 19.5 29.3



#16
Methylene chloride
Concen: 49.773 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

Tgt Ion: 84 Resp: 246417
Ion Ratio Lower Upper
84 100
86 63.8 46.3 86.1
49 111.6 84.8 157.6

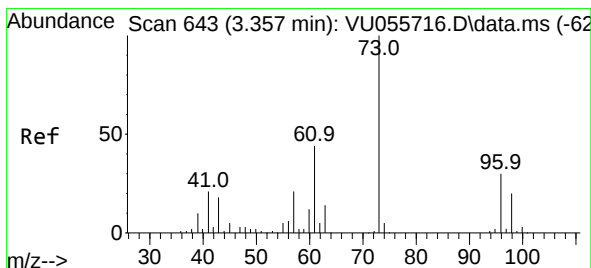
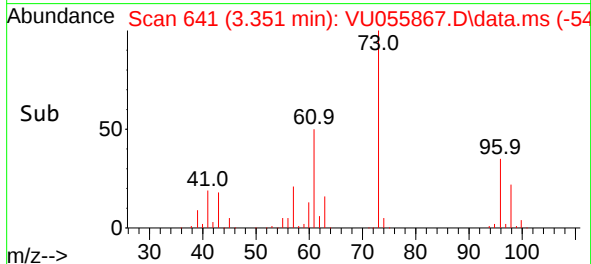
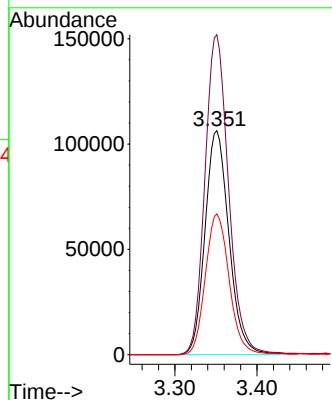
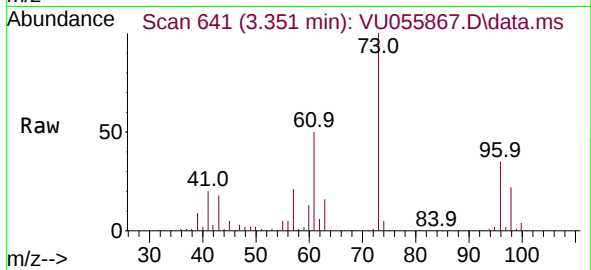




#17
trans-1,2-Dichloroethene
Concen: 51.702 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

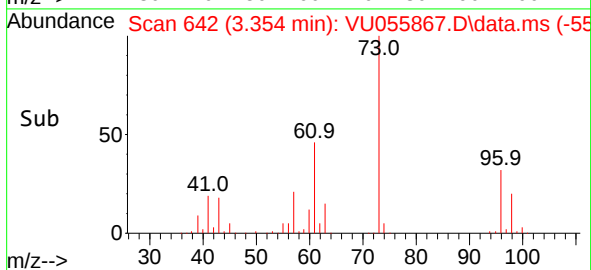
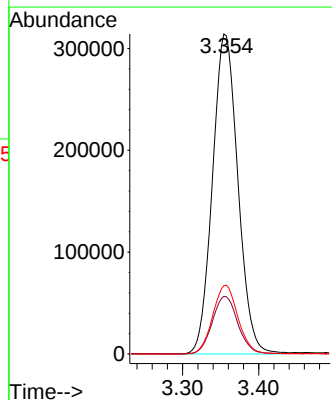
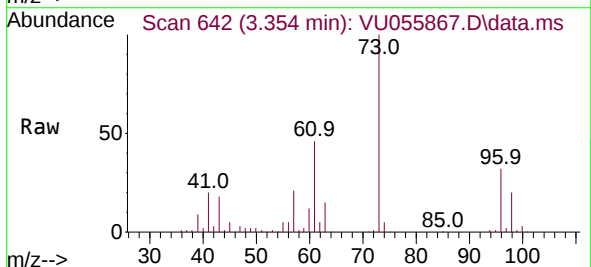
Instrument :
MSVOA_U
ClientSampleId :

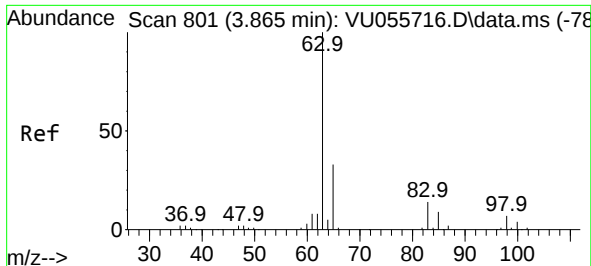
Tgt Ion: 96 Resp: 215831
Ion Ratio Lower Upper
96 100
61 142.9 102.1 189.7
98 62.9 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 54.360 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

Tgt Ion: 73 Resp: 729794
Ion Ratio Lower Upper
73 100
43 18.2 15.4 23.2
57 21.4 17.7 26.5





#19

1,1-Dichloroethane

Concen: 49.661 ug/L

RT: 3.865 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

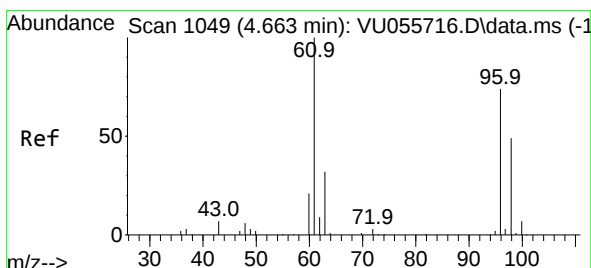
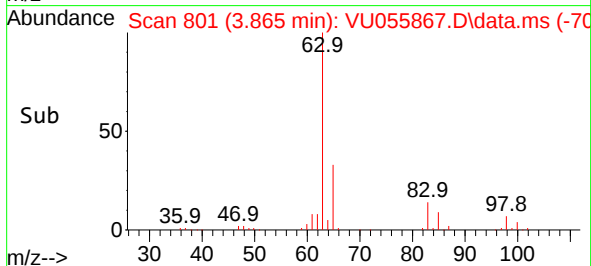
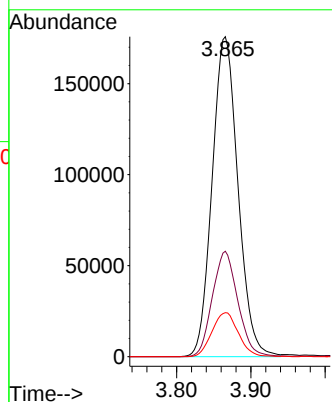
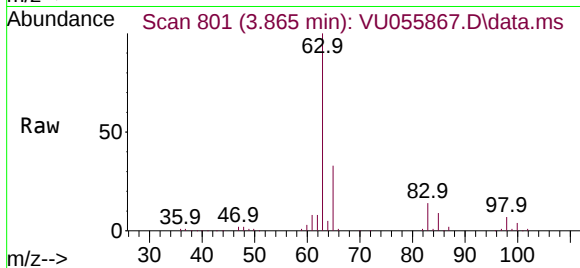
Tgt Ion: 63 Resp: 425141

Ion Ratio Lower Upper

63 100

65 33.0 22.3 41.5

83 13.8 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 53.066 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

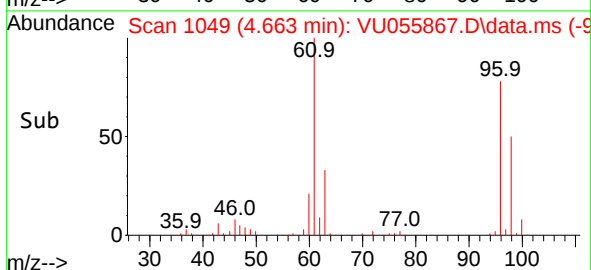
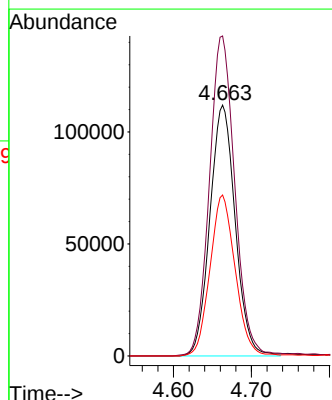
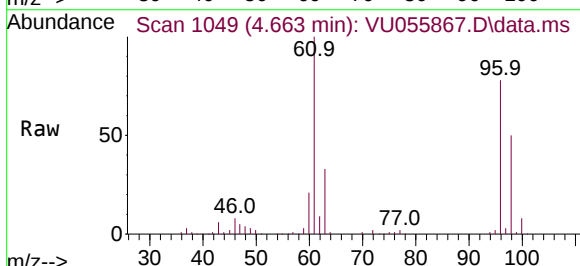
Tgt Ion: 96 Resp: 252825

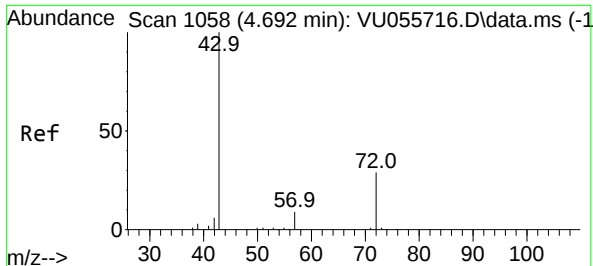
Ion Ratio Lower Upper

96 100

61 127.6 92.3 171.5

98 64.2 43.9 81.5

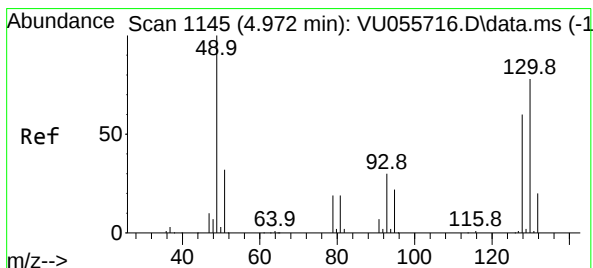
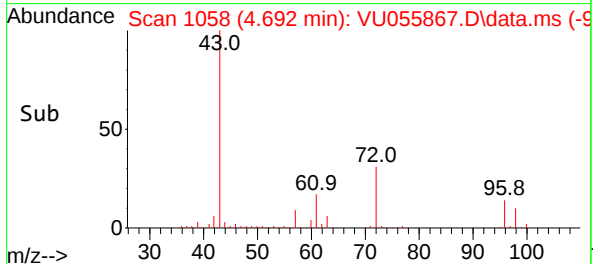
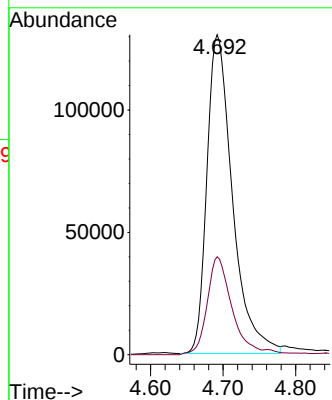
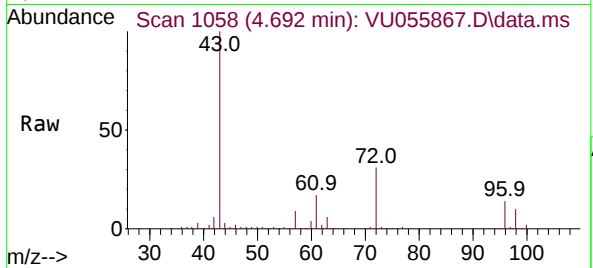




#22
2-Butanone
Concen: 74.666 ug/L
RT: 4.692 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

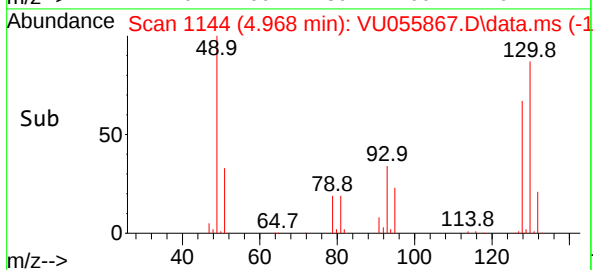
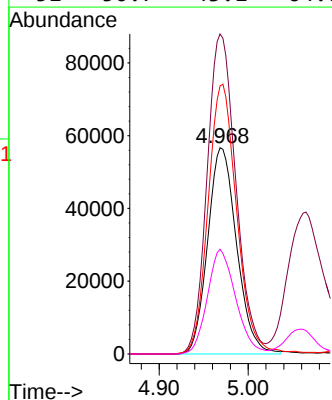
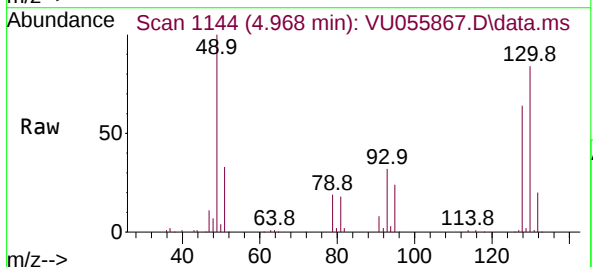
Instrument :
MSVOA_U
ClientSampleId :

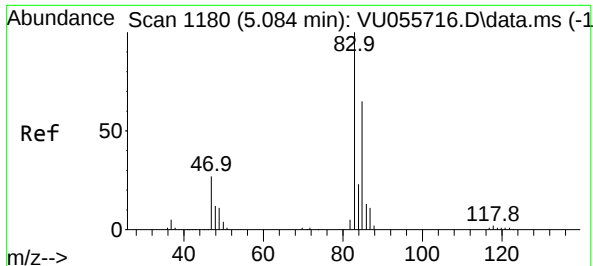
Tgt Ion: 43 Resp: 319636
Ion Ratio Lower Upper
43 100
72 29.2 14.6 44.0



#23
Bromochloromethane
Concen: 51.801 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.003 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

Tgt Ion:128 Resp: 127817
Ion Ratio Lower Upper
128 100
49 155.1 116.3 216.1
130 129.9 91.6 170.0
51 50.7 43.1 64.7





#25

Chloroform

Concen: 50.844 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.003 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Instrument :

MSVOA_U

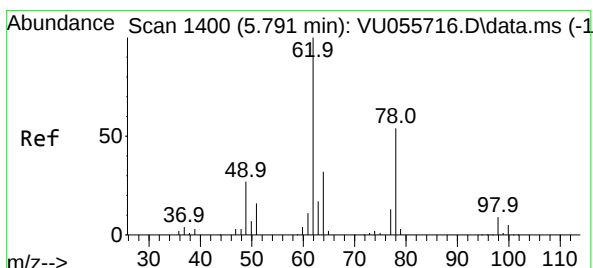
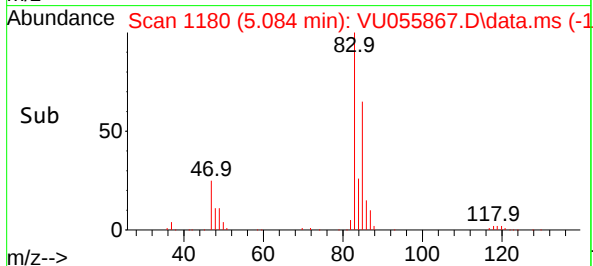
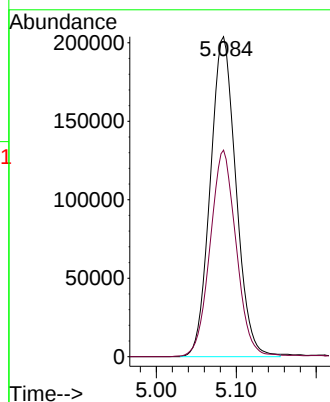
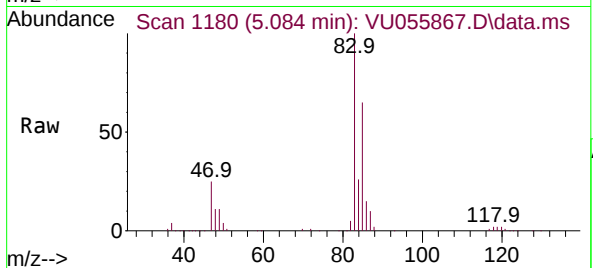
ClientSampleId :

Tgt Ion: 83 Resp: 454693

Ion Ratio Lower Upper

83 100

85 64.5 46.3 86.1



#27

1,2-Dichloroethane

Concen: 49.822 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU055867.D

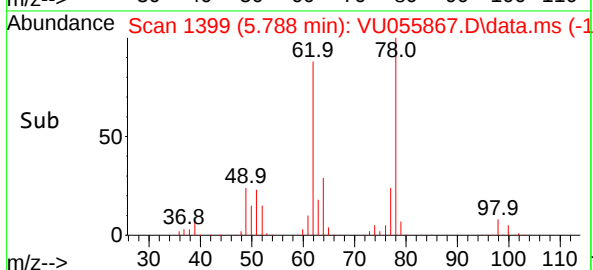
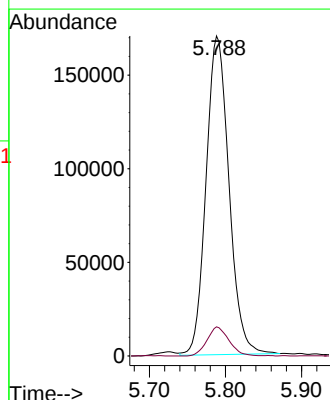
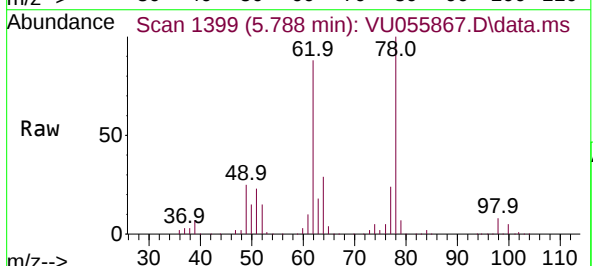
Acq: 25 Oct 2023 09:31

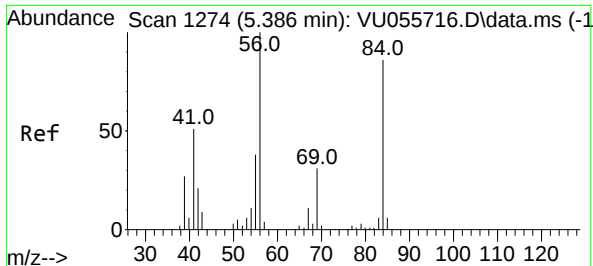
Tgt Ion: 62 Resp: 356363

Ion Ratio Lower Upper

62 100

98 9.1 7.2 10.8





#29

Cyclohexane

Concen: 55.976 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. -0.000 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

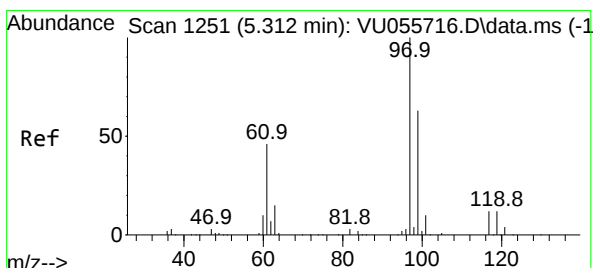
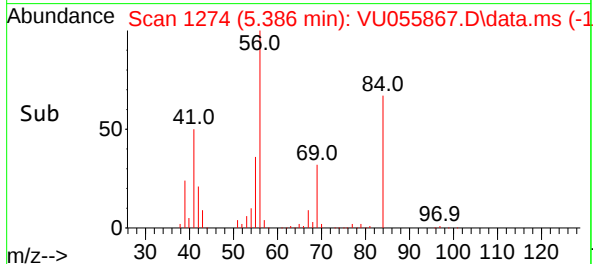
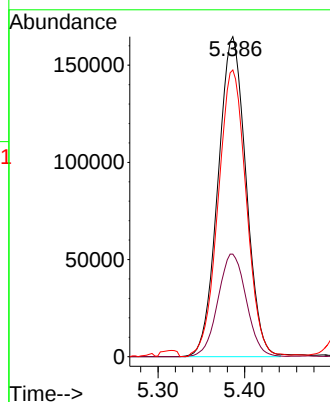
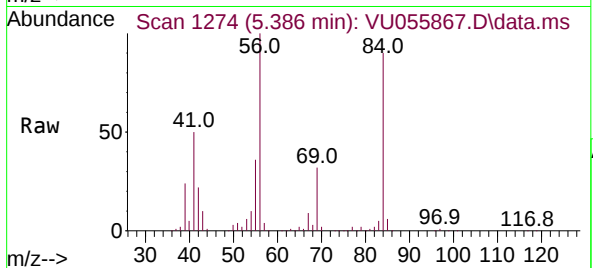
Tgt Ion: 56 Resp: 370228

Ion Ratio Lower Upper

56 100

69 32.5 24.9 37.3

84 89.9 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 52.966 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. 0.003 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

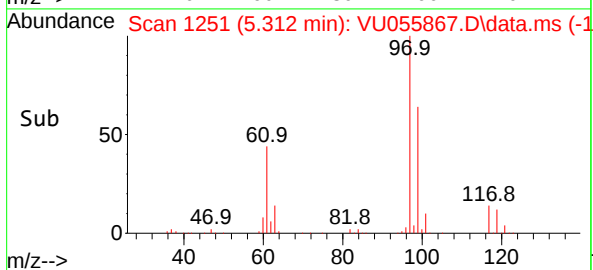
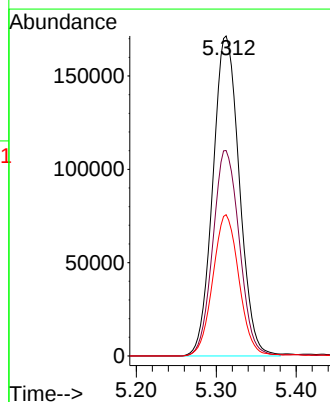
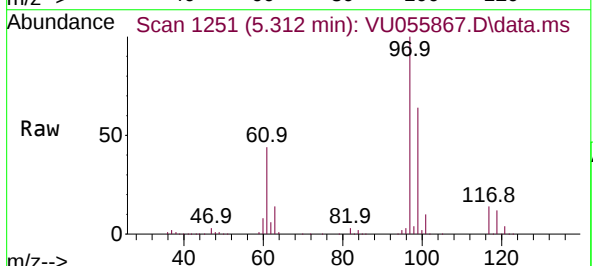
Tgt Ion: 97 Resp: 394863

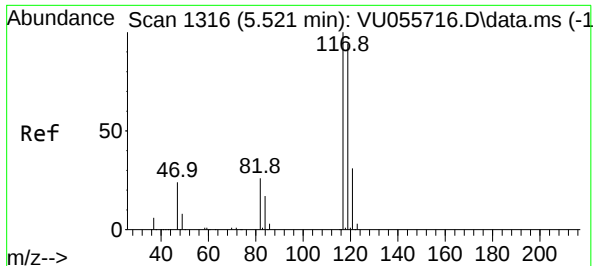
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 43.7 36.8 55.2

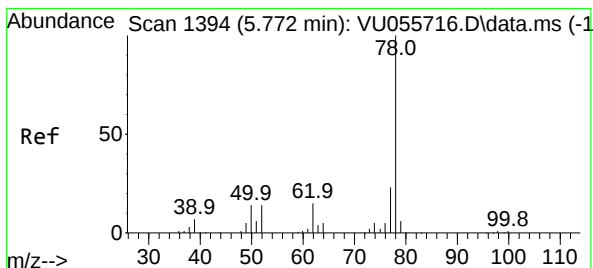
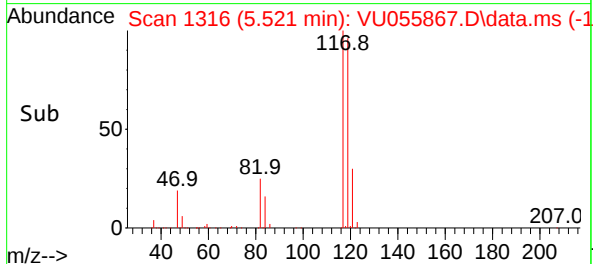
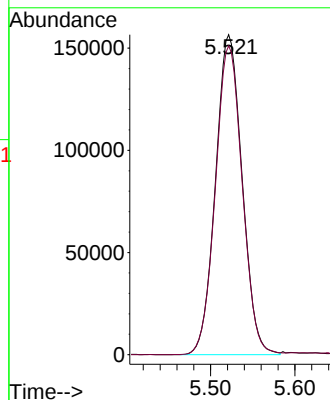
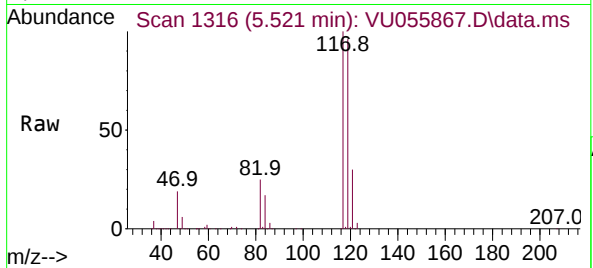




#31
Carbon tetrachloride
Concen: 52.633 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

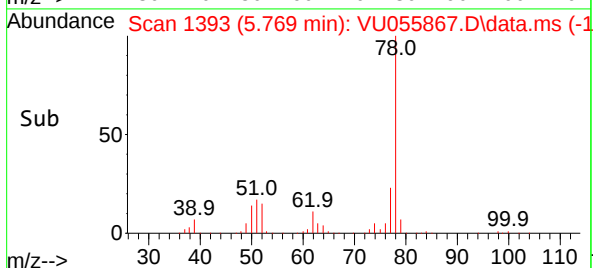
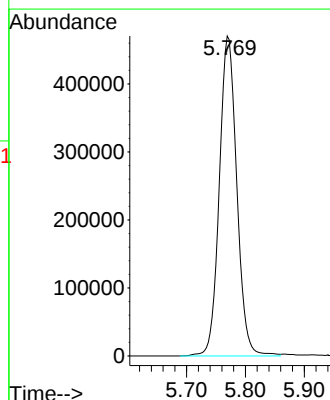
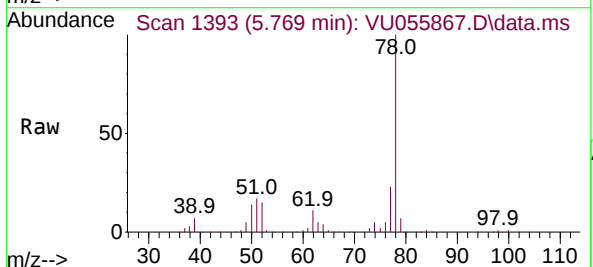
Instrument :
MSVOA_U
ClientSampleId :

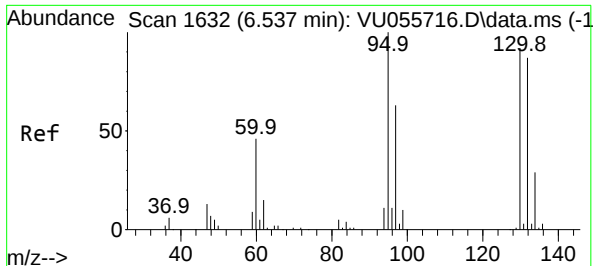
Tgt Ion:117 Resp: 343454
Ion Ratio Lower Upper
117 100
119 97.2 75.4 113.0



#33
Benzene
Concen: 53.295 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

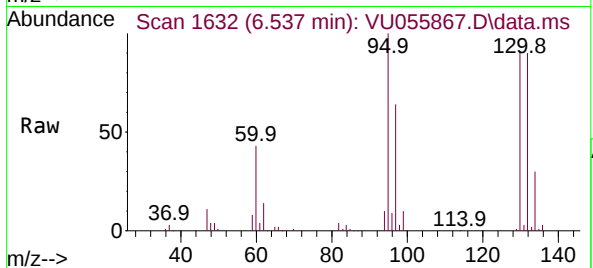
Tgt Ion: 78 Resp: 972135



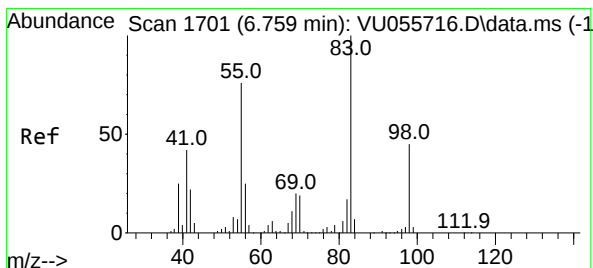
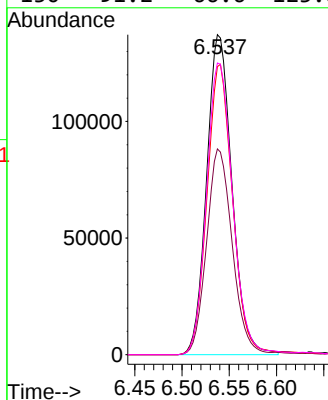
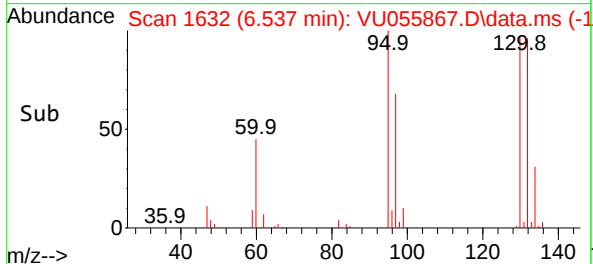


#34
Trichloroethene
Concen: 51.444 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

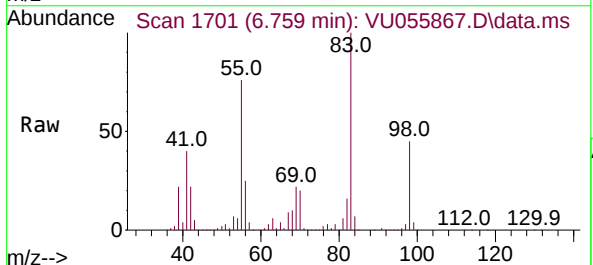
Instrument :
MSVOA_U
ClientSampleId :



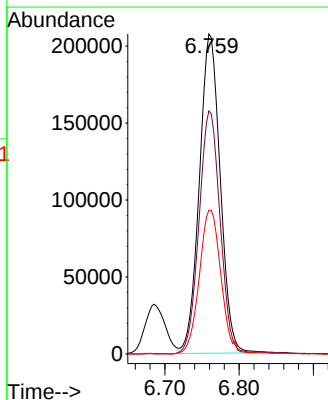
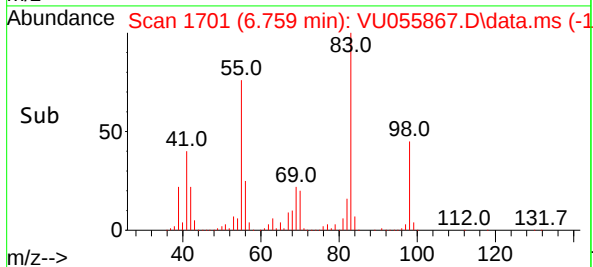
Tgt Ion: 95 Resp: 256752
Ion Ratio Lower Upper
95 100
97 64.3 44.4 82.5
132 90.0 61.8 114.8
130 91.2 66.6 123.8

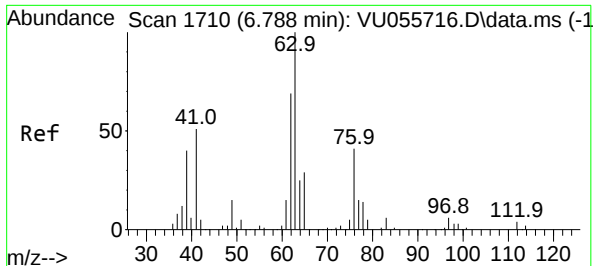


#35
Methylcyclohexane
Concen: 55.980 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31



Tgt Ion: 83 Resp: 405371
Ion Ratio Lower Upper
83 100
55 76.8 61.2 91.8
98 46.5 35.8 53.6





#37

1,2-Dichloropropane

Concen: 51.031 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Instrument :

MSVOA_U

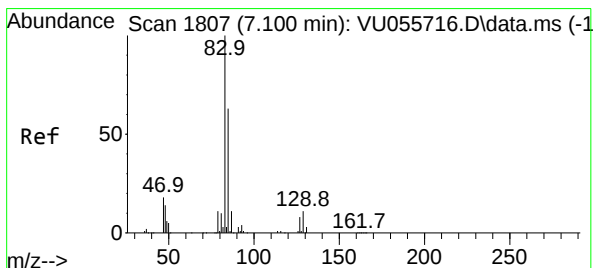
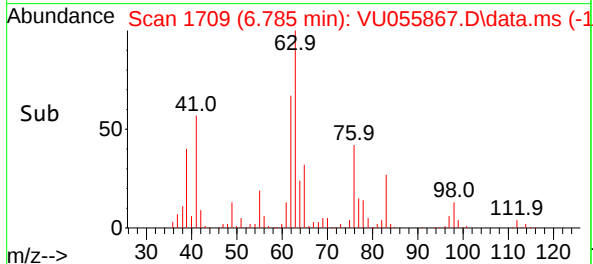
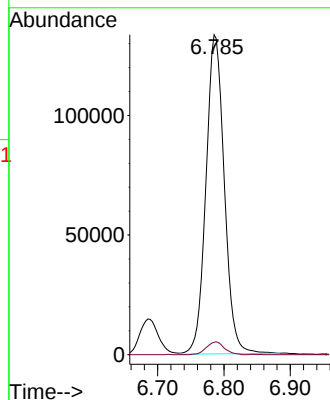
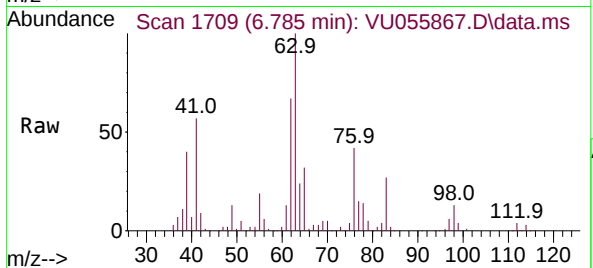
ClientSampleId :

Tgt Ion: 63 Resp: 256320

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.4



#38

Bromodichloromethane

Concen: 51.569 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

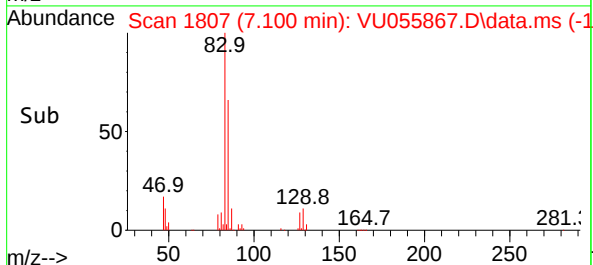
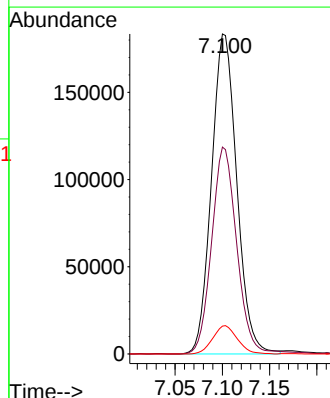
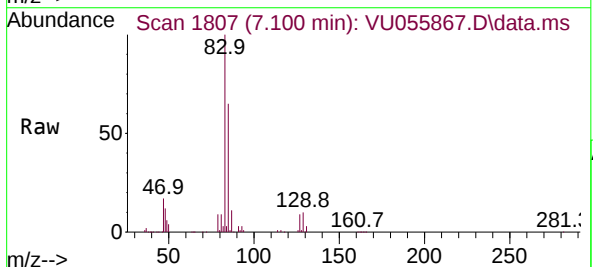
Tgt Ion: 83 Resp: 341580

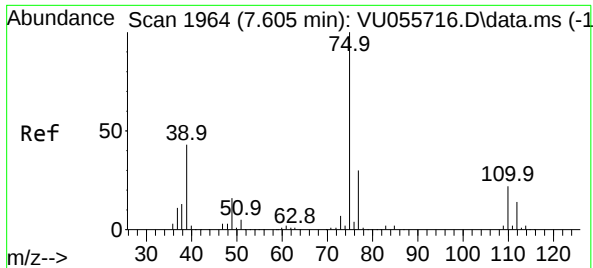
Ion Ratio Lower Upper

83 100

85 64.7 46.0 85.4

127 8.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 53.889 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Instrument :

MSVOA_U

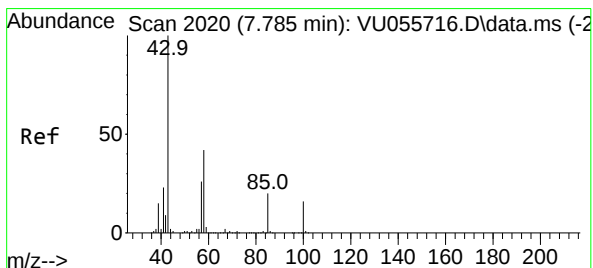
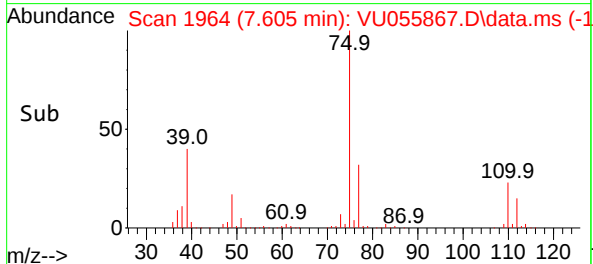
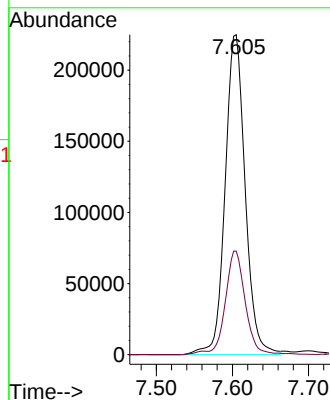
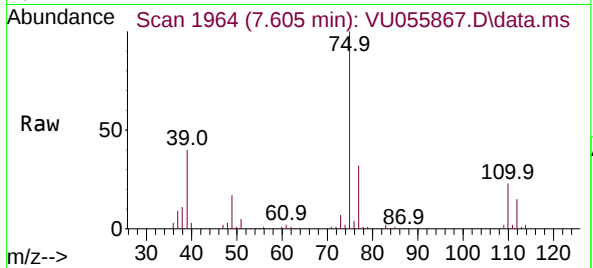
ClientSampleId :

Tgt Ion: 75 Resp: 411795

Ion Ratio Lower Upper

75 100

77 32.4 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 85.927 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

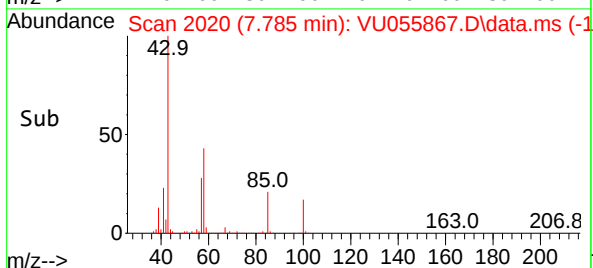
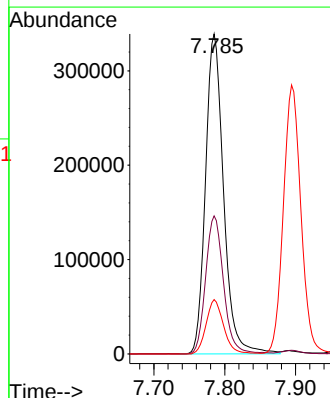
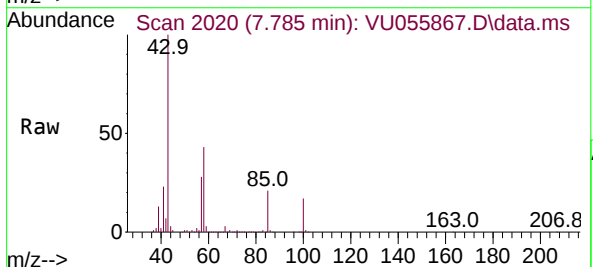
Tgt Ion: 43 Resp: 600423

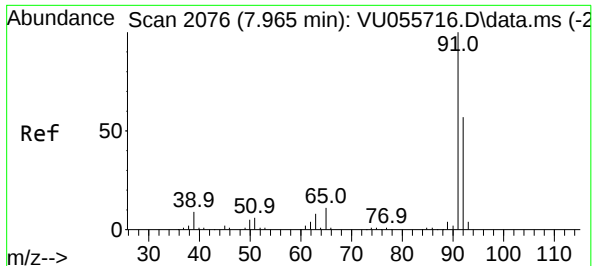
Ion Ratio Lower Upper

43 100

58 42.7 32.3 48.5

100 16.5 12.0 18.0





#42

Toluene

Concen: 55.097 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Instrument :

MSVOA_U

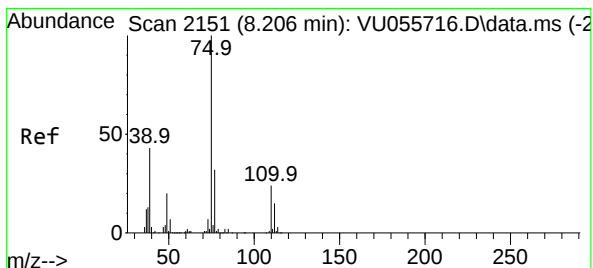
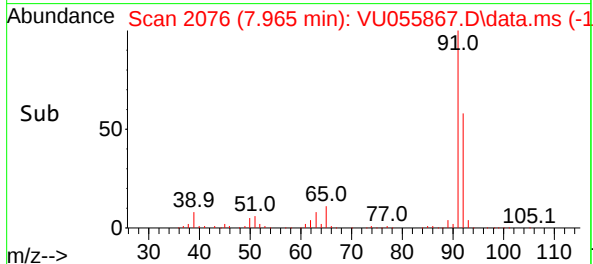
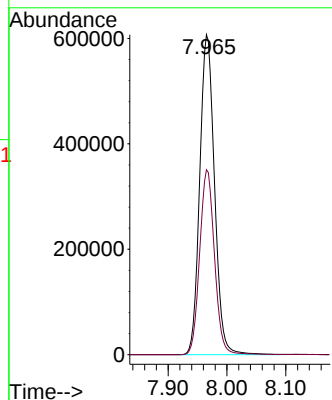
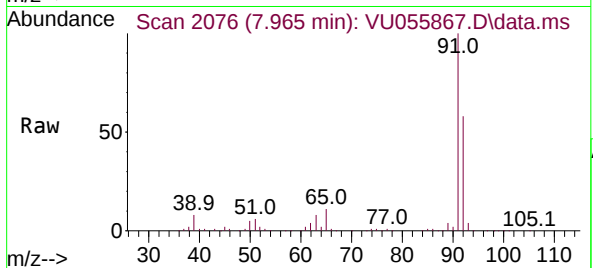
ClientSampleId :

Tgt Ion: 91 Resp: 1060468

Ion Ratio Lower Upper

91 100

92 57.8 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 53.963 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU055867.D

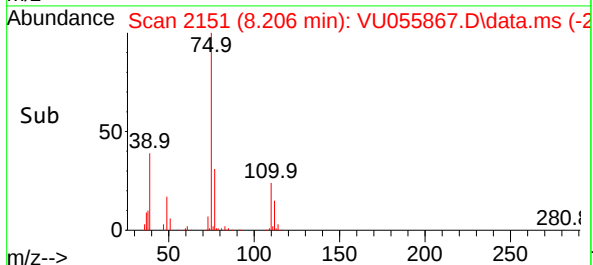
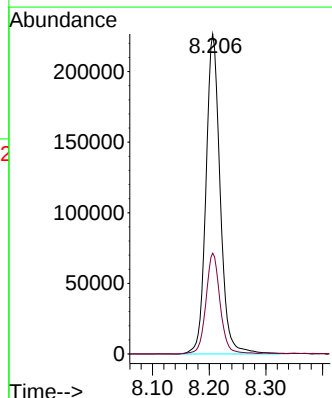
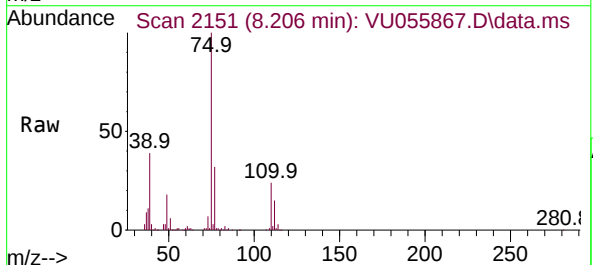
Acq: 25 Oct 2023 09:31

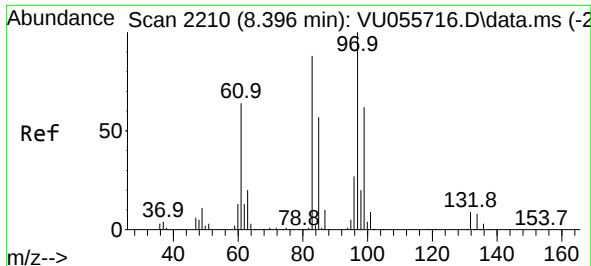
Tgt Ion: 75 Resp: 394548

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 50.892 ug/L

RT: 8.396 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 252055

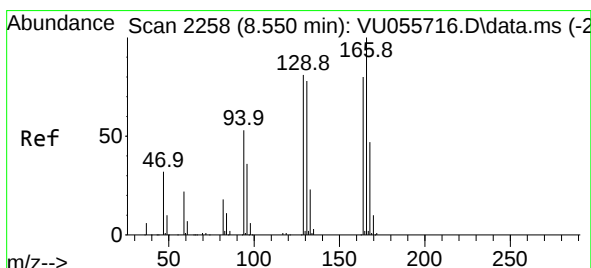
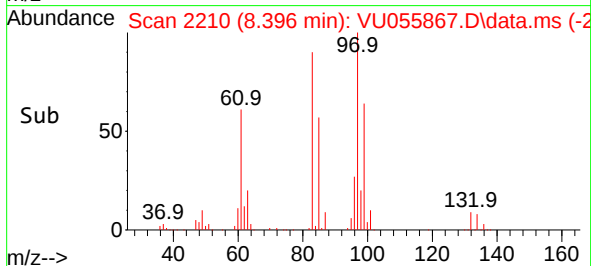
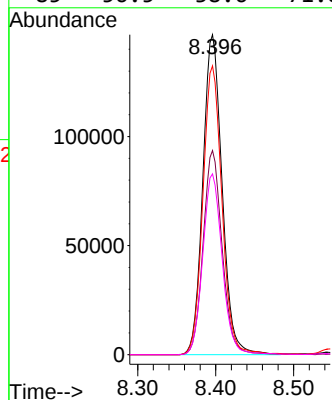
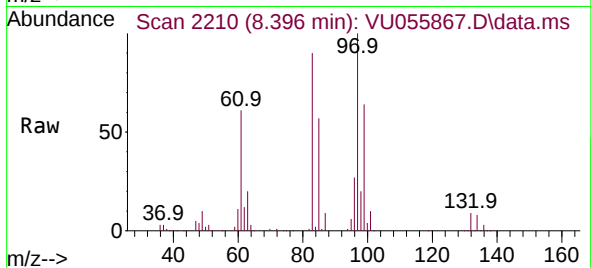
Ion Ratio Lower Upper

97 100

99 63.8 44.4 82.5

83 90.2 60.4 112.2

85 56.5 38.6 71.8



#46

Tetrachloroethene

Concen: 54.727 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Tgt Ion:164 Resp: 195559

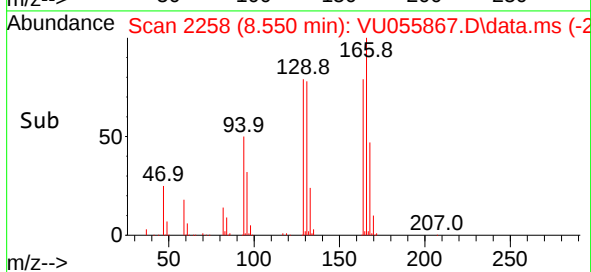
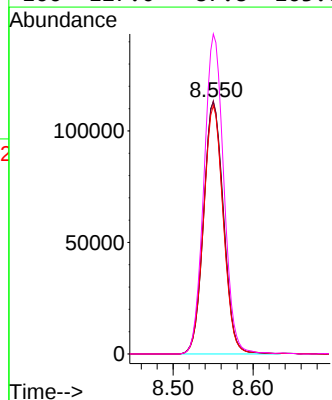
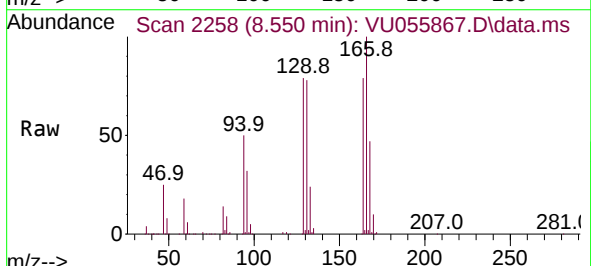
Ion Ratio Lower Upper

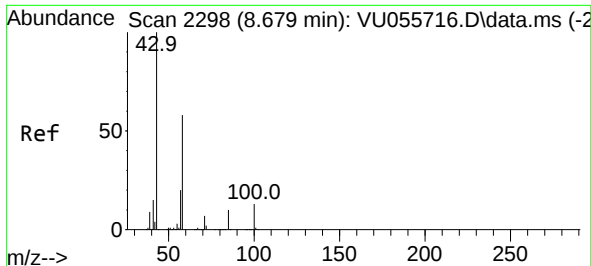
164 100

129 100.4 70.7 131.3

131 98.5 65.9 122.5

166 127.0 87.8 163.0





#48

2-Hexanone

Concen: 84.707 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. -0.000 min

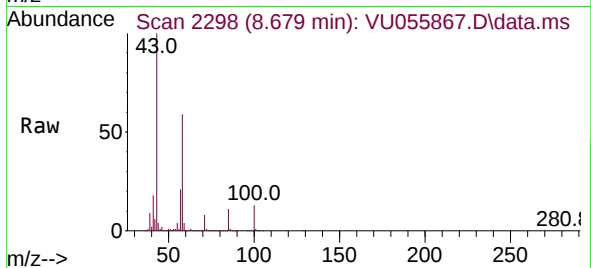
Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 499962

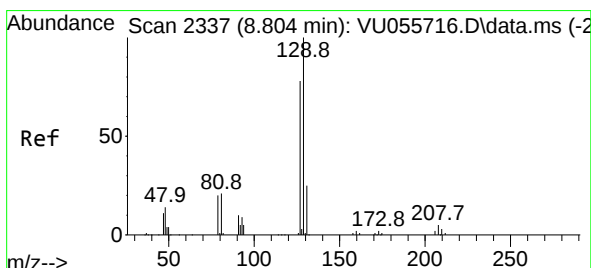
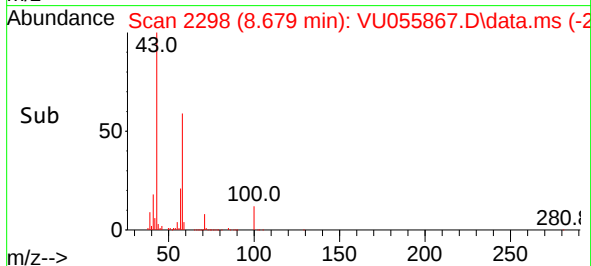
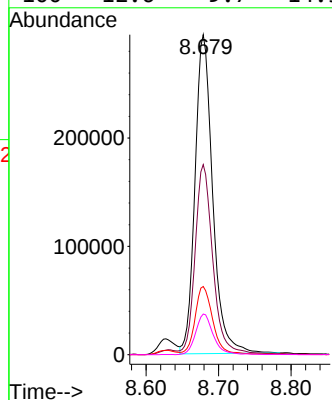
Ion Ratio Lower Upper

43 100

58 58.8 45.2 67.8

57 21.2 16.1 24.1

100 12.6 9.7 14.5



#49

Dibromochloromethane

Concen: 53.296 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. -0.003 min

Lab File: VU055867.D

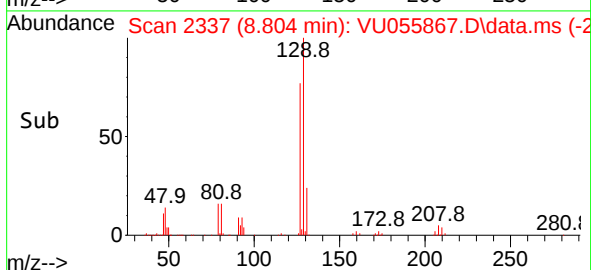
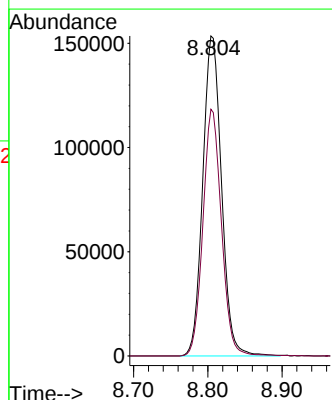
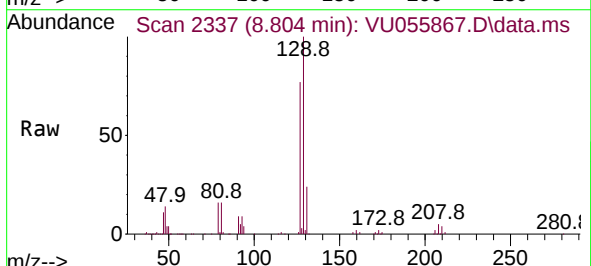
Acq: 25 Oct 2023 09:31

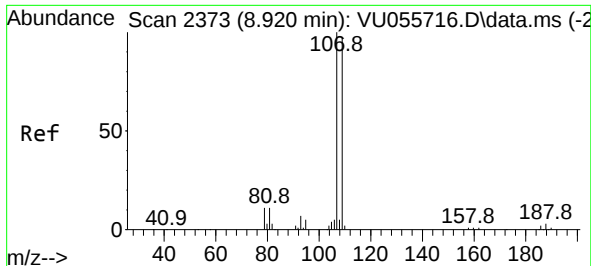
Tgt Ion:129 Resp: 269709

Ion Ratio Lower Upper

129 100

127 77.1 54.0 100.4

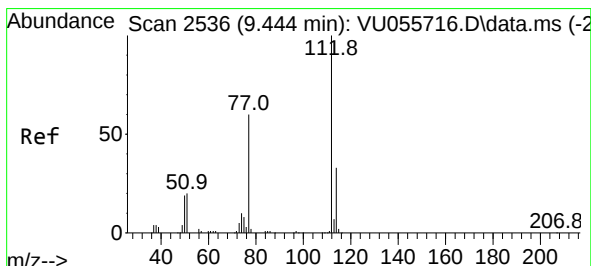
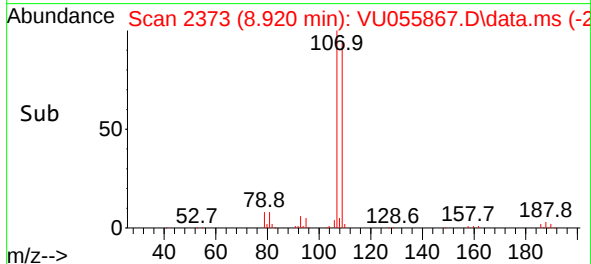
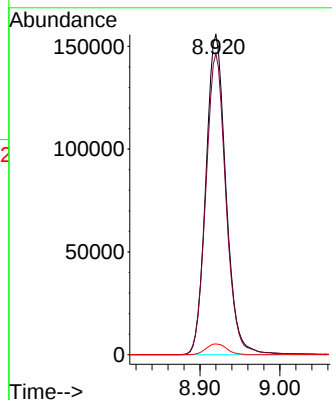
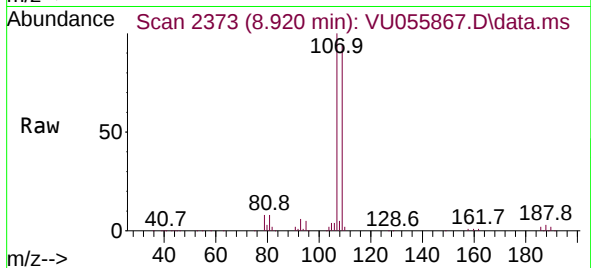




#50
1,2-Dibromoethane
Concen: 51.083 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

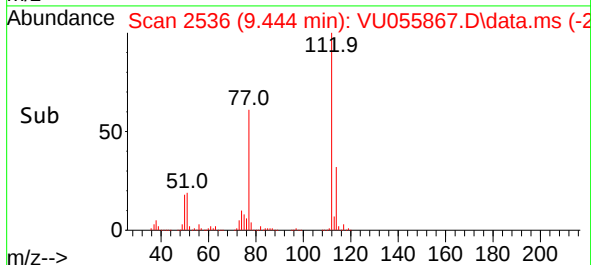
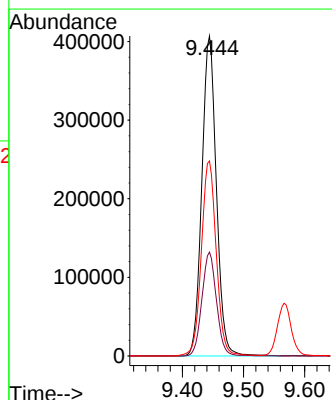
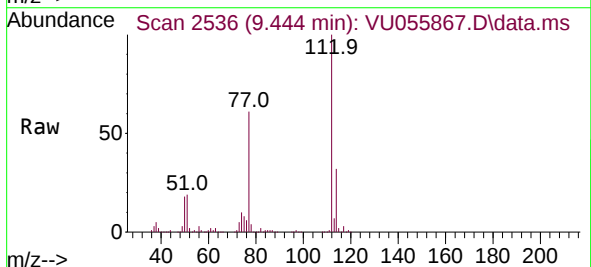
Instrument :
MSVOA_U
ClientSampleId :

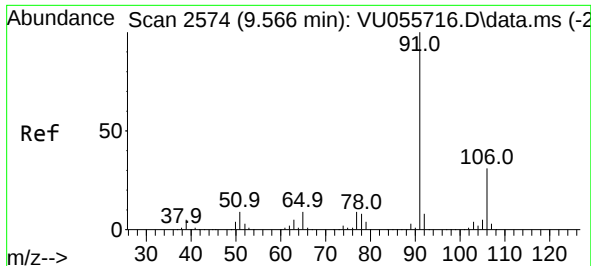
Tgt Ion:107 Resp: 271746
Ion Ratio Lower Upper
107 100
109 94.1 66.7 123.9
188 3.5 2.6 4.0



#51
Chlorobenzene
Concen: 53.935 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

Tgt Ion:112 Resp: 671657
Ion Ratio Lower Upper
112 100
114 32.4 22.0 40.8
77 61.0 49.0 73.6

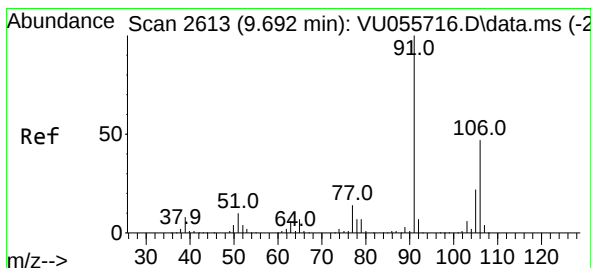
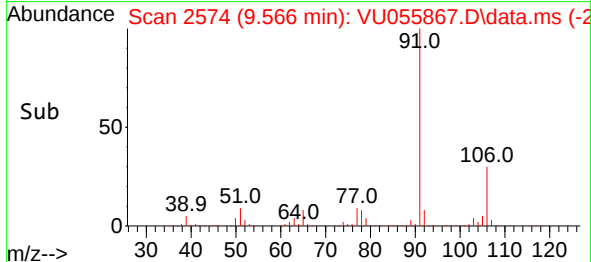
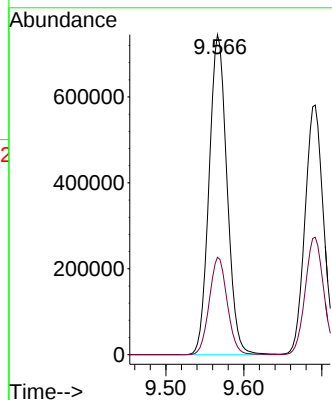
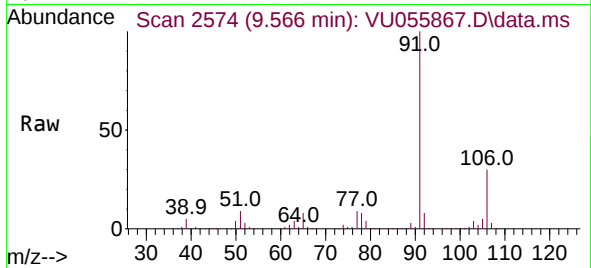




#52
Ethylbenzene
Concen: 56.551 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

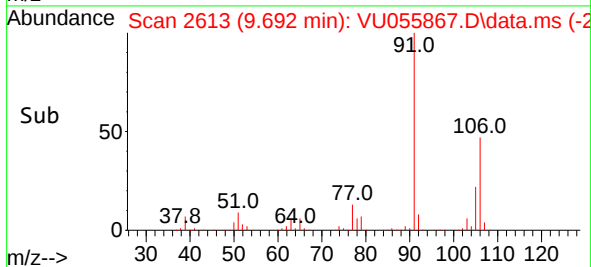
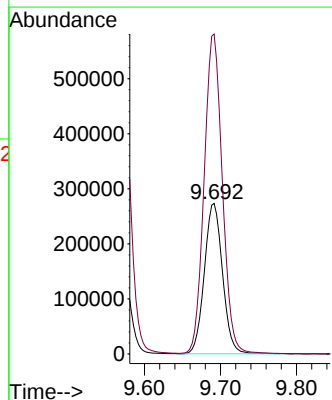
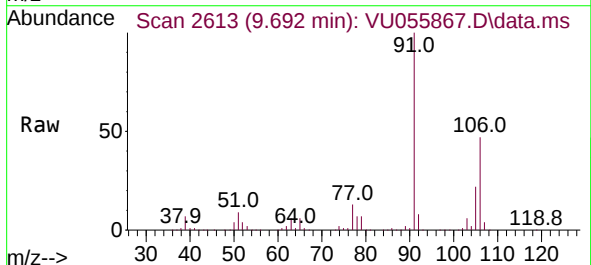
Instrument :
MSVOA_U
ClientSampleId :

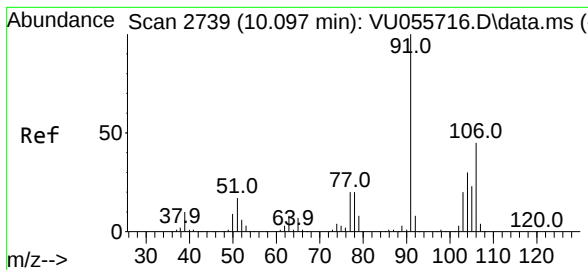
Tgt Ion: 91 Resp: 1189970
Ion Ratio Lower Upper
91 100
106 30.4 21.2 39.4



#53
m,p-Xylene
Concen: 57.495 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

Tgt Ion:106 Resp: 453257
Ion Ratio Lower Upper
106 100
91 212.6 143.8 267.0

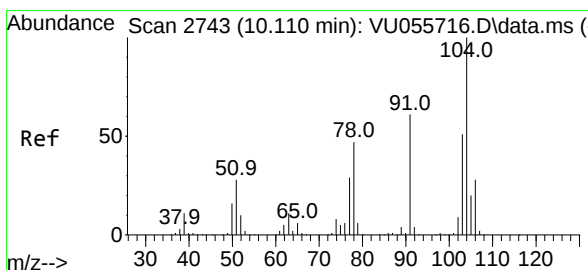
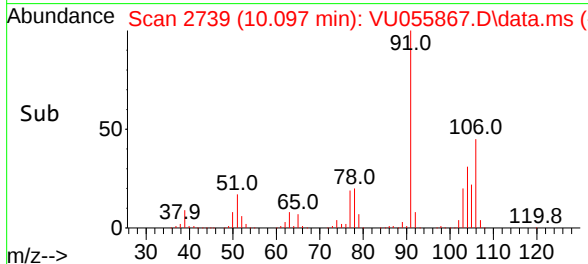
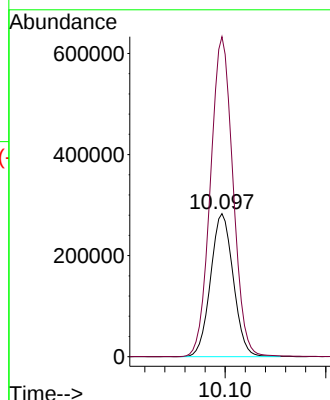
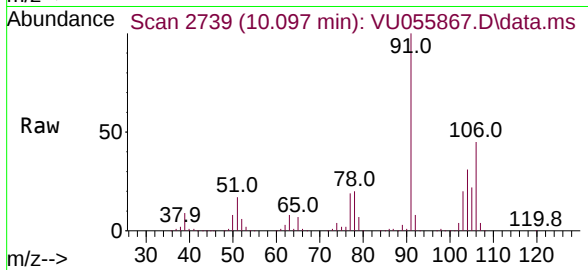




#54
o-Xylene
Concen: 58.176 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

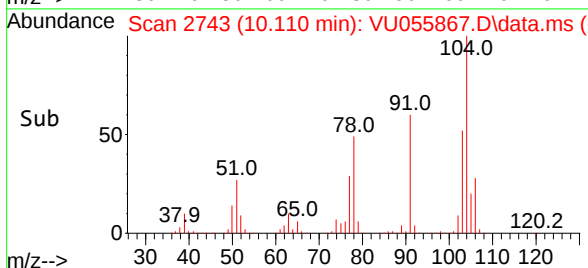
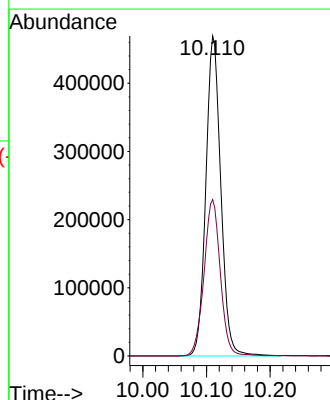
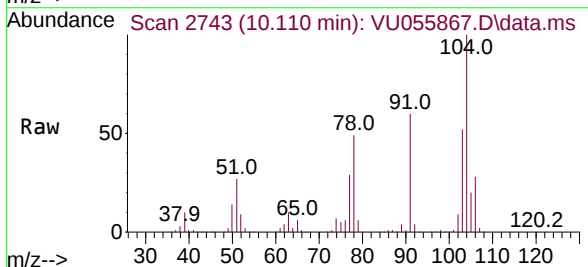
Instrument :
MSVOA_U
ClientSampleId :

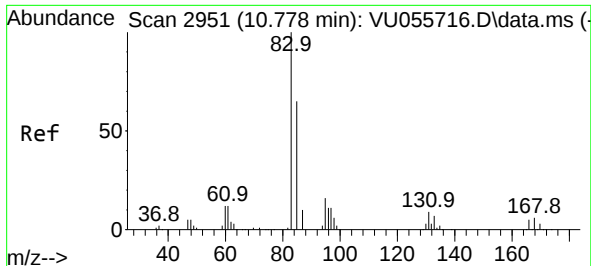
Tgt Ion:106 Resp: 443802
Ion Ratio Lower Upper
106 100
91 223.7 151.8 282.0



#55
Styrene
Concen: 59.330 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

Tgt Ion:104 Resp: 766733
Ion Ratio Lower Upper
104 100
78 48.8 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 50.169 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

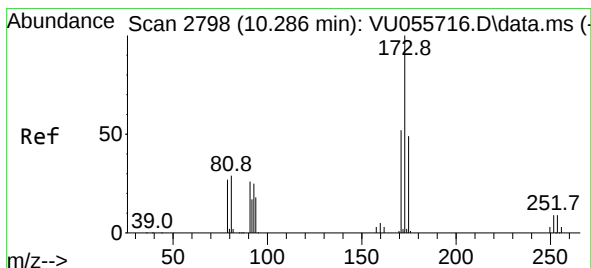
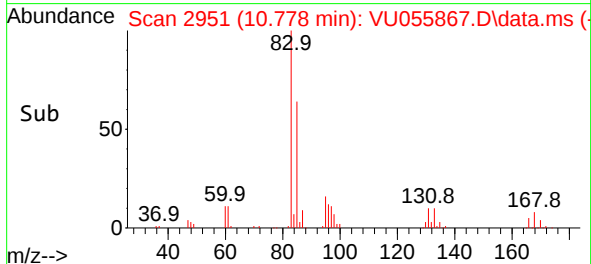
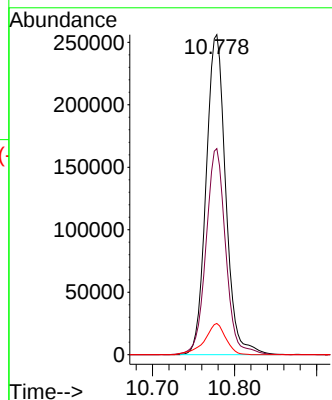
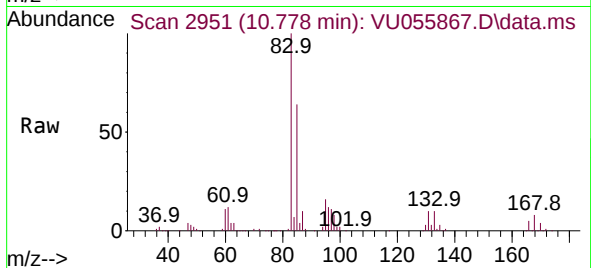
Tgt Ion: 83 Resp: 425455

Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.5

131 9.8 7.3 10.9



#59

Bromoform

Concen: 52.420 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

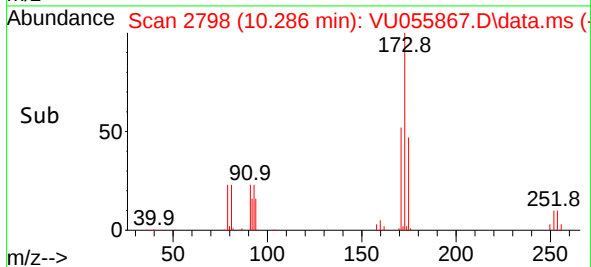
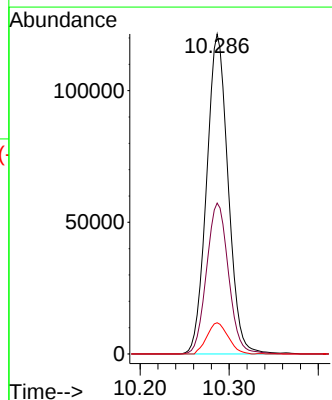
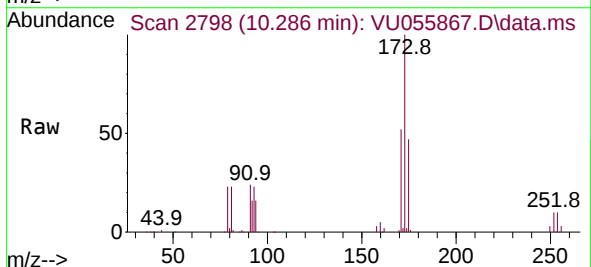
Tgt Ion:173 Resp: 203730

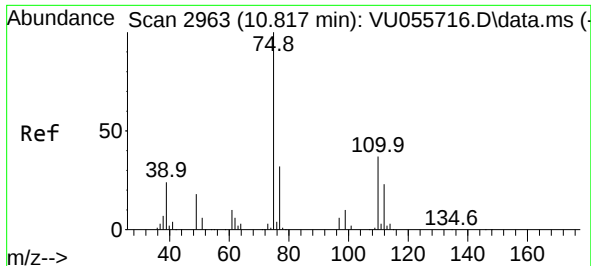
Ion Ratio Lower Upper

173 100

175 48.1 40.4 60.6

254 9.6 7.3 10.9

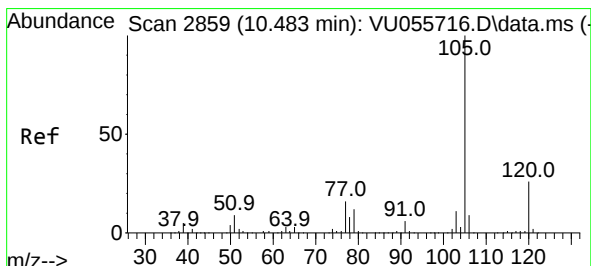
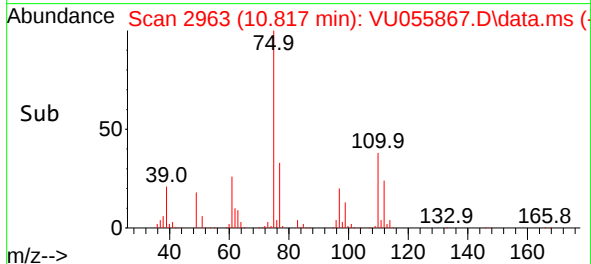
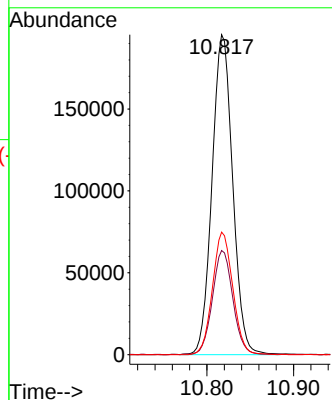
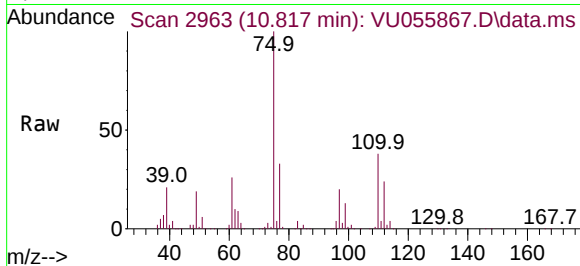




#60
1,2,3-Trichloropropane
Concen: 47.291 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

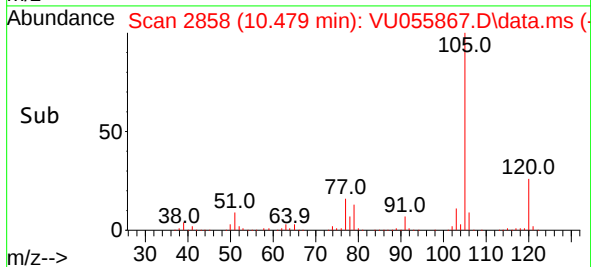
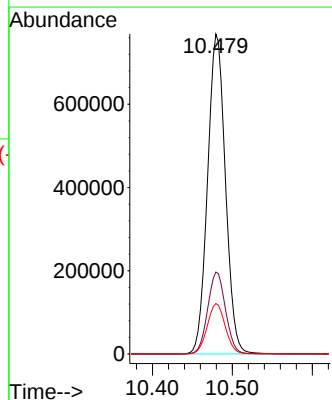
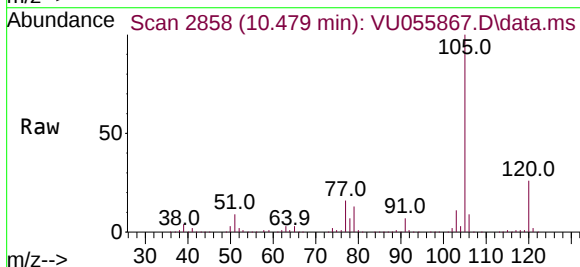
Instrument :
MSVOA_U
ClientSampleId :

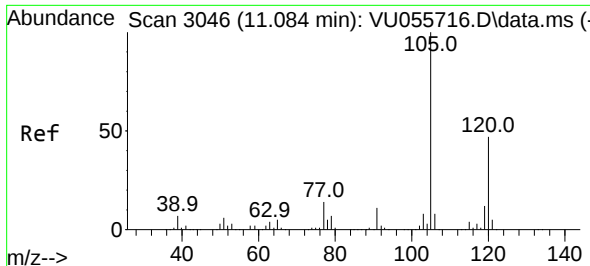
Tgt Ion: 75 Resp: 324030
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.8
110 37.7 28.5 42.7



#61
Isopropylbenzene
Concen: 60.633 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.003 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

Tgt Ion: 105 Resp: 1193357
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8
77 15.9 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 65.270 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Instrument :

MSVOA_U

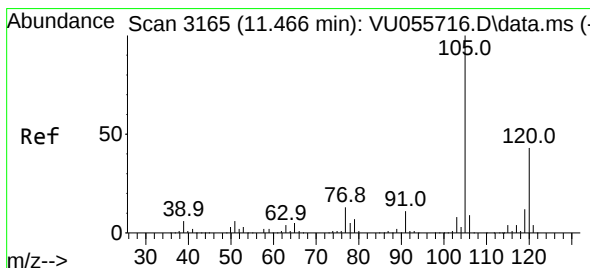
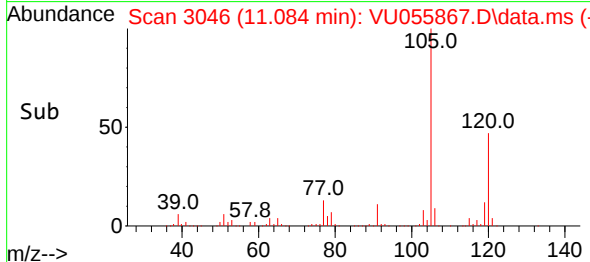
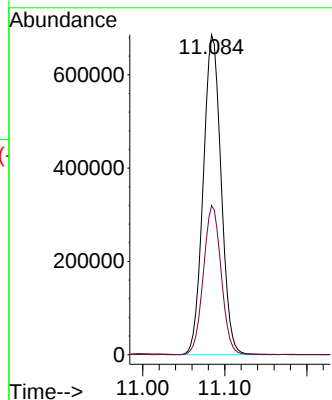
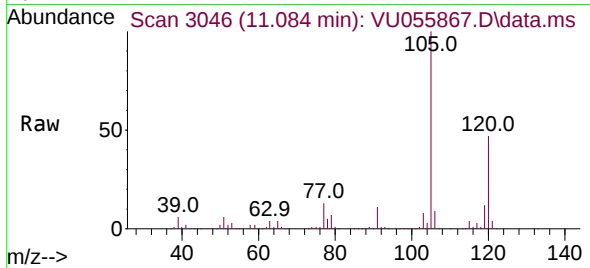
ClientSampleId :

Tgt Ion:105 Resp: 1039470

Ion Ratio Lower Upper

105 100

120 46.4 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 66.084 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.003 min

Lab File: VU055867.D

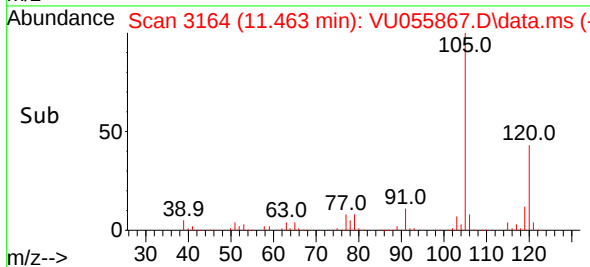
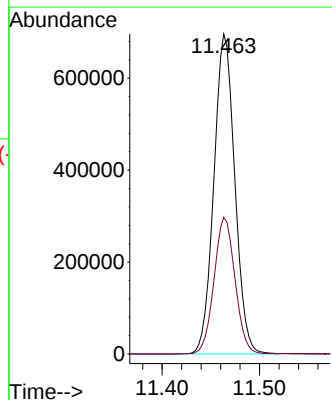
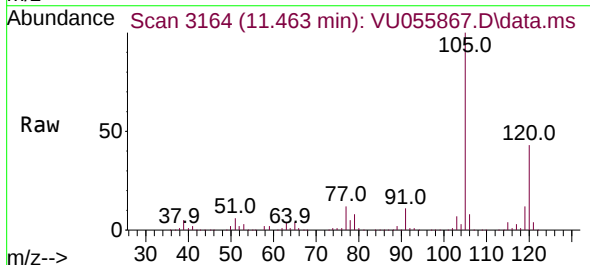
Acq: 25 Oct 2023 09:31

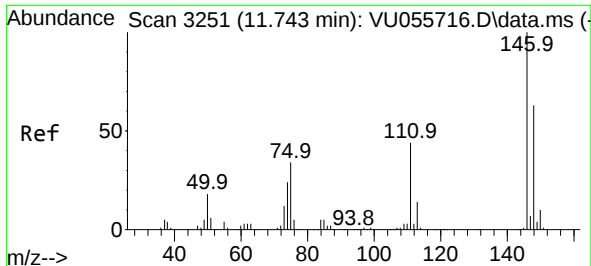
Tgt Ion:105 Resp: 1040678

Ion Ratio Lower Upper

105 100

120 42.8 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 57.081 ug/L

RT: 11.740 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :

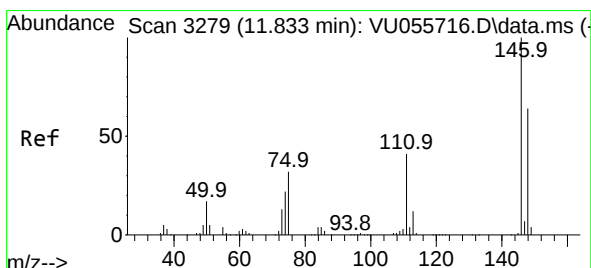
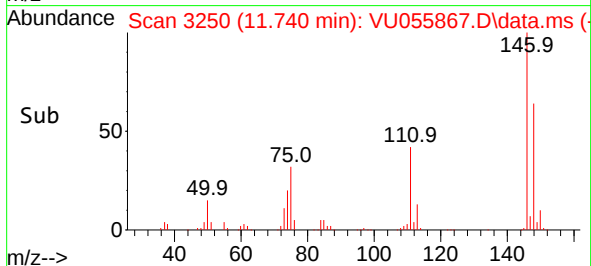
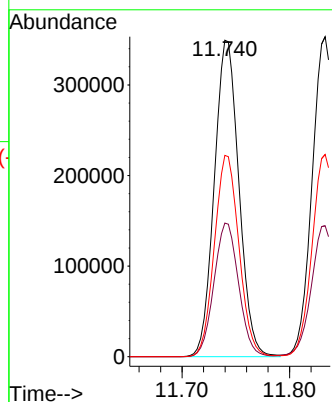
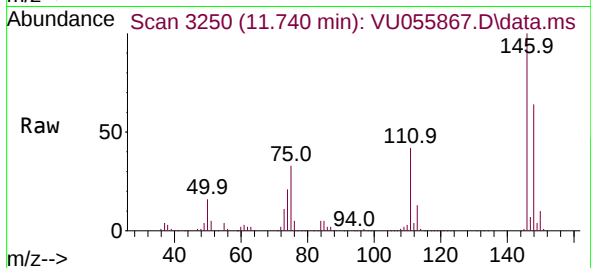
Tgt Ion:146 Resp: 555368

Ion Ratio Lower Upper

146 100

111 42.2 29.7 55.1

148 63.6 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 55.768 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

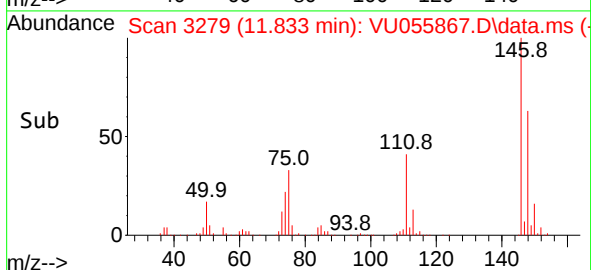
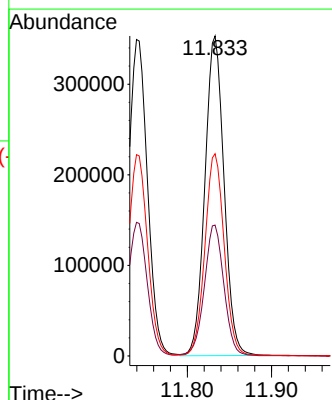
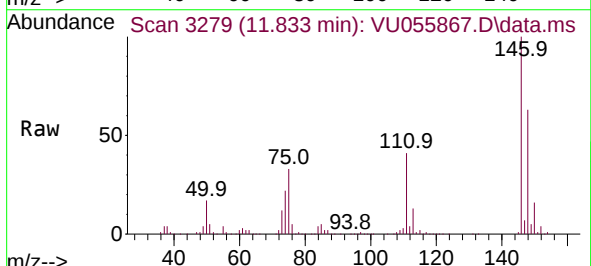
Tgt Ion:146 Resp: 557859

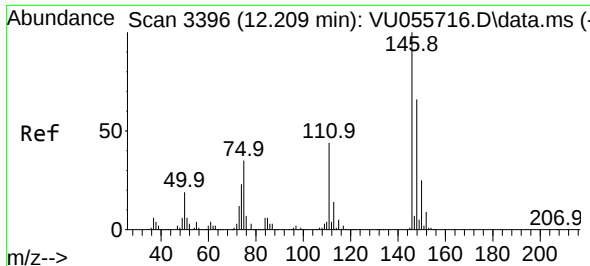
Ion Ratio Lower Upper

146 100

111 40.9 28.6 53.0

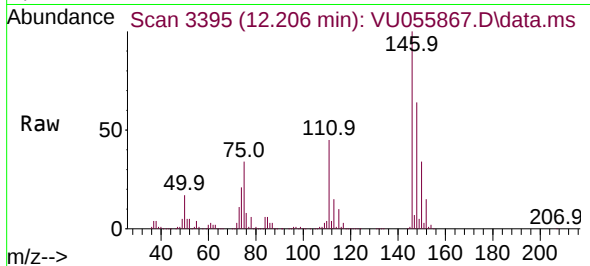
148 63.2 44.2 82.0



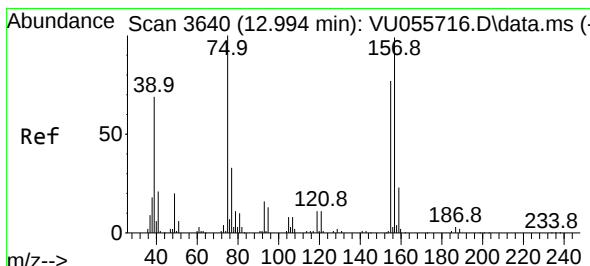
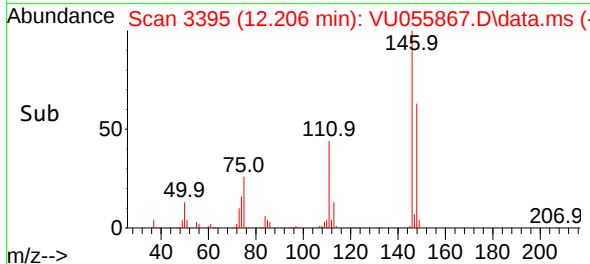
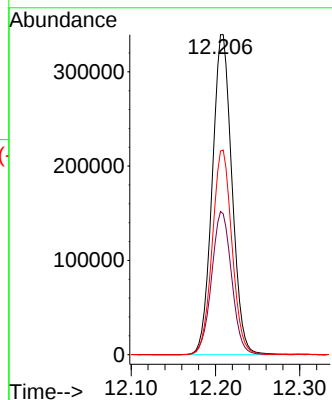


#67
 1,2-Dichlorobenzene
 Concen: 57.142 ug/L
 RT: 12.206 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU055867.D
 Acq: 25 Oct 2023 09:31

Instrument :
 MSVOA_U
 ClientSampleId :

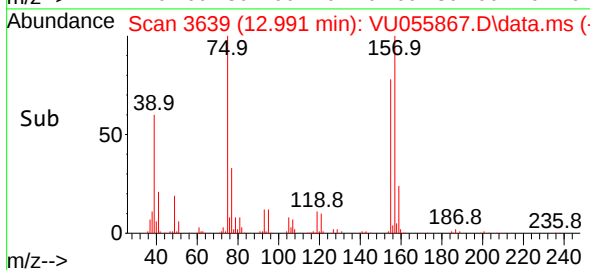
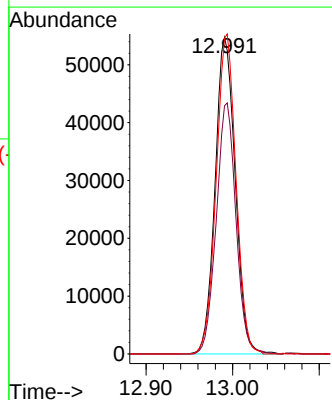
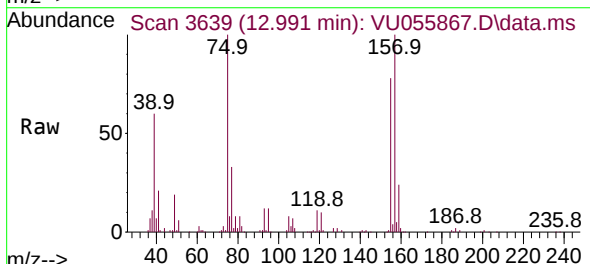


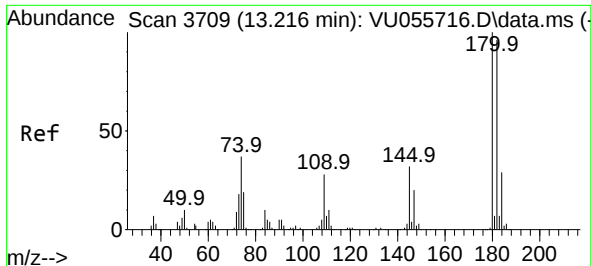
Tgt Ion:146 Resp: 551729
 Ion Ratio Lower Upper
 146 100
 111 44.7 35.2 52.8
 148 63.7 52.3 78.5



#68
 1,2-Dibromo-3-chloropropane
 Concen: 43.200 ug/L
 RT: 12.991 min Scan# 3639
 Delta R.T. -0.000 min
 Lab File: VU055867.D
 Acq: 25 Oct 2023 09:31

Tgt Ion: 75 Resp: 88494
 Ion Ratio Lower Upper
 75 100
 155 78.3 59.6 89.4
 157 104.4 77.7 116.5





#69

1,3,5-Trichlorobenzene

Concen: 61.656 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. -0.000 min

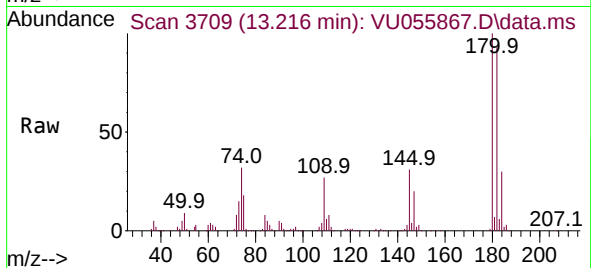
Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 400135

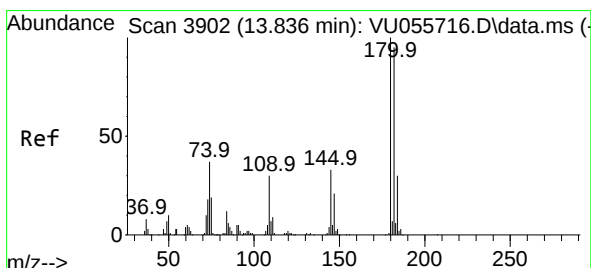
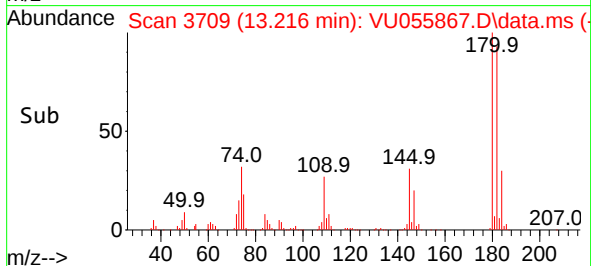
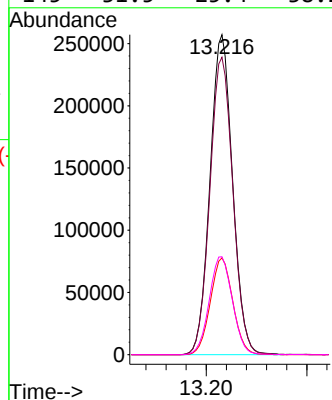
Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.2

184 30.2 23.9 35.9

145 31.5 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 63.857 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.003 min

Lab File: VU055867.D

Acq: 25 Oct 2023 09:31

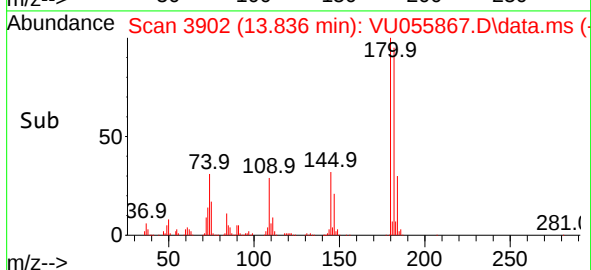
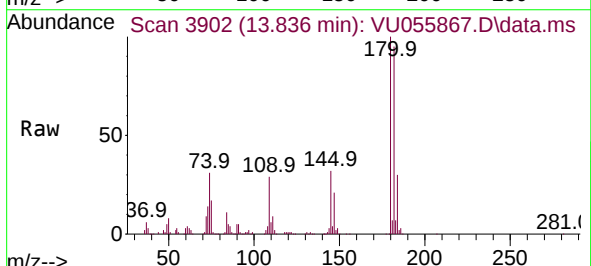
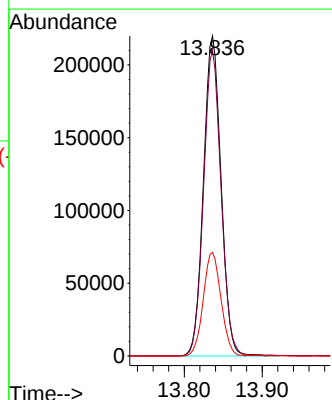
Tgt Ion:180 Resp: 345189

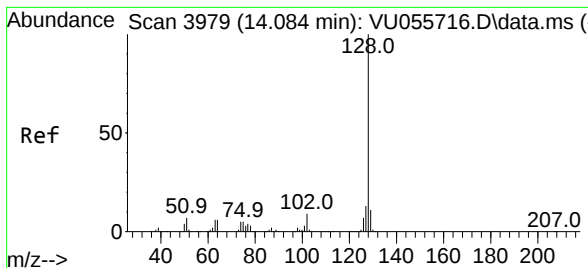
Ion Ratio Lower Upper

180 100

182 94.9 75.4 113.2

145 32.8 26.1 39.1

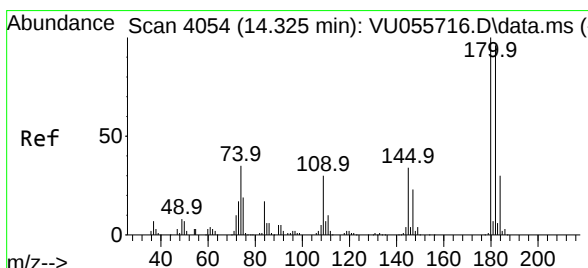
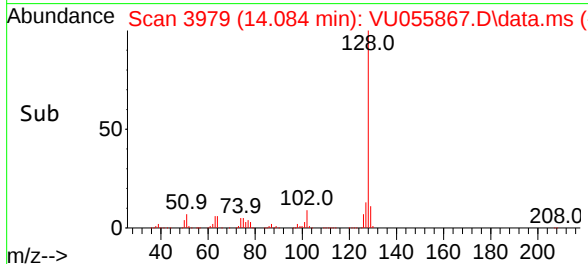
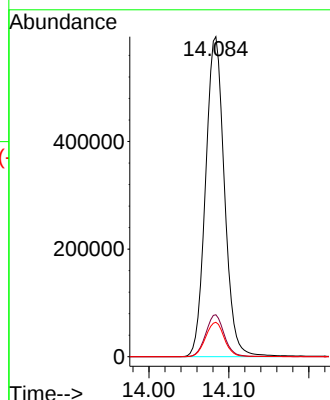
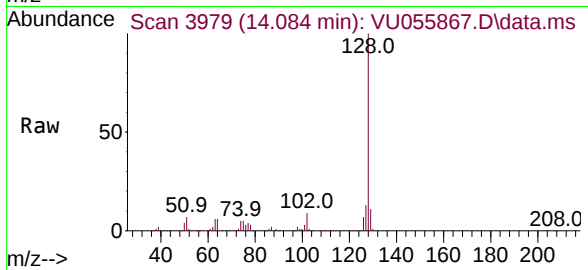




#71
Naphthalene
Concen: 60.812 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 976505
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 61.753 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VU055867.D
Acq: 25 Oct 2023 09:31

Tgt Ion:180 Resp: 329123
Ion Ratio Lower Upper
180 100
182 96.3 78.1 117.1
145 34.8 27.4 41.0

