

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092223\
 Data File : VU055476.D
 Acq On : 22 Sep 2023 21:54
 Operator : MD/SY
 Sample : 04579-17MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 25 01:14:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Sep 25 01:08:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	323286	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	334019	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	189768	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	103931	3.181	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.600%
7) Chloroethane-d5	1.911	69	102285	3.552	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.000%
11) 1,1-Dichloroethene-d2	2.563	65	47505	3.532	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.600%
20) 2-Butanone-d5	4.628	46	306654	51.960	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.920%
24) Chloroform-d	5.058	84	267344	4.524	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	5.698	65	133098	4.682	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.724	84	492855	4.218	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	6.689	67	153779	4.405	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.200%
41) Toluene-d8	7.894	98	443982	4.169	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
43) trans-1,3-Dichloroprop...	8.177	79	55541	4.534	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.631	63	186912	50.162	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.320%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	130138	4.974	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	168431	4.397	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	138873	4.412	ug/L	98
3) Chloromethane	1.518	50	124840	4.509	ug/L	98
5) Vinyl chloride	1.602	62	139315	4.664	ug/L	98
6) Bromomethane	1.856	94	62353	3.286	ug/L	96
8) Chloroethane	1.930	64	92437	4.742	ug/L	97
9) Trichlorofluoromethane	2.136	101	191471	4.622	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	116030	4.603	ug/L	99
12) 1,1-Dichloroethene	2.576	96	105361	4.661	ug/L	91
13) Acetone	2.640	43	143521	42.662	ug/L	100
14) Carbon disulfide	2.792	76	329571	4.850	ug/L	99
15) Methyl Acetate	2.952	43	33135	4.320	ug/L	99
16) Methylene chloride	3.039	84	113939	4.207	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	235201	4.797	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	107339	4.711	ug/L	97
19) 1,1-Dichloroethane	3.865	63	201580	4.785	ug/L	99
21) 2-Butanone	4.708	43	234944	47.616	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	122616	4.642	ug/L	98
23) Bromochloromethane	4.972	128	53969	4.834	ug/L	98
25) Chloroform	5.084	83	218300	4.893	ug/L	100

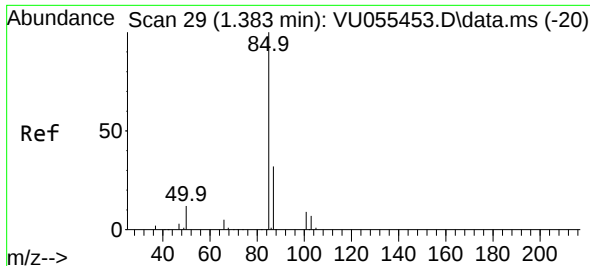
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092223\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	374631	13.693	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	190804	5.011	ug/L	99
30) Cyclohexane	5.386	56	161381	4.630	ug/L	99
31) Carbon tetrachloride	5.521	117	162624	4.983	ug/L	97
33) Benzene	5.772	78	469803	4.887	ug/L	100
34) Trichloroethene	6.537	95	124793	4.589	ug/L	98
35) Methylcyclohexane	6.759	83	175114	4.470	ug/L	98
37) 1,2-Dichloropropane	6.788	63	117832	4.687	ug/L	99
38) Bromodichloromethane	7.103	83	148167	5.029	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	158945	4.737	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	554962	48.659	ug/L	99
42) Toluene	7.965	91	498895	4.865	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	132795	4.946	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	86365	4.899	ug/L	99
47) Tetrachloroethene	8.550	164	94236	4.831	ug/L	97
48) 2-Hexanone	8.682	43	434858	49.197	ug/L	98
49) Dibromochloromethane	8.807	129	92357	4.998	ug/L	99
50) 1,2-Dibromoethane	8.920	107	81709	4.994	ug/L	96
51) Chlorobenzene	9.444	112	311056	4.736	ug/L	98
52) Ethylbenzene	9.566	91	534928	4.866	ug/L	96
53) m,p-Xylene	9.692	106	204705	4.969	ug/L	98
54) o-Xylene	10.097	106	194230	4.849	ug/L	100
55) Styrene	10.113	104	324610	5.012	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.778	83	102486	5.150	ug/L	99
59) Bromoform	10.290	173	49746	4.891	ug/L	99
60) Isopropylbenzene	10.483	105	526398	4.813	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	69613	4.699	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	416419	4.761	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	403298	4.711	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	248572	4.747	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	244522	4.672	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	227760	4.744	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	13454	5.240	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	164072	4.550	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	120458	4.382	ug/L	98
71) Naphthalene	14.084	128	169164	4.250	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	109192	4.564	ug/L	99

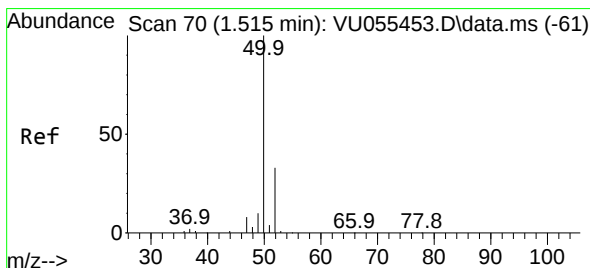
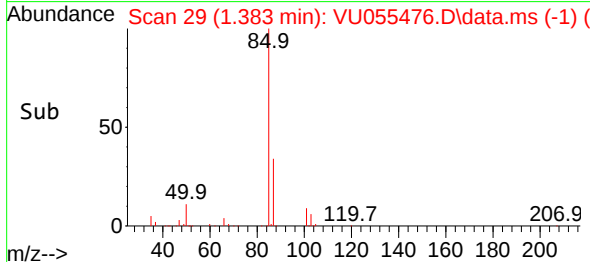
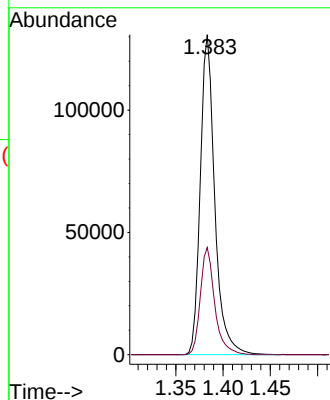
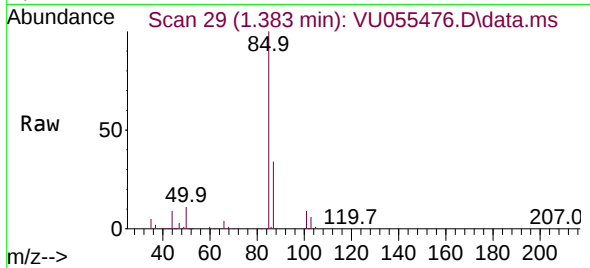
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#2
Dichlorodifluoromethane
Concen: 4.412 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

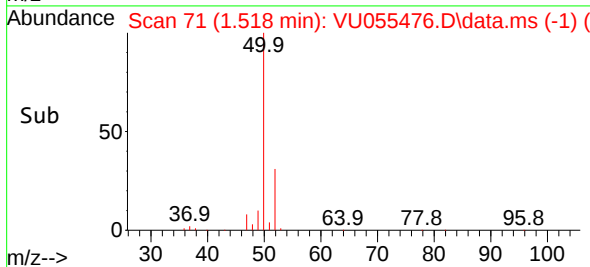
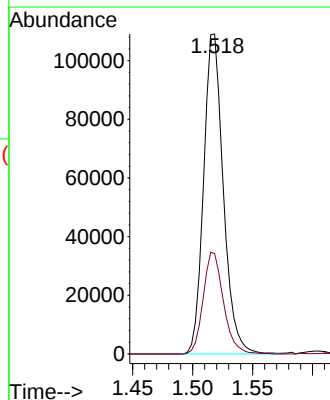
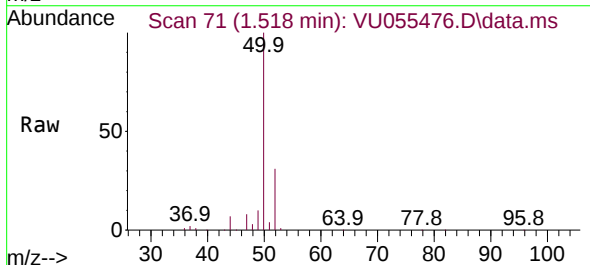
Instrument :
MSVOA_U
ClientSampleId :

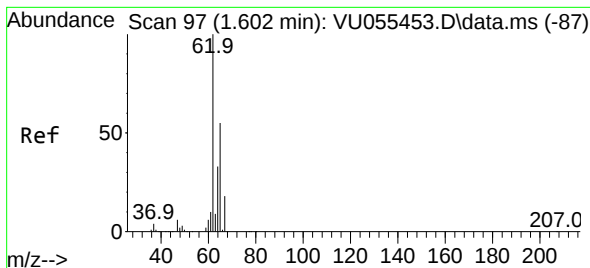
Tgt Ion: 85 Resp: 138873
Ion Ratio Lower Upper
85 100
87 33.3 26.0 39.0



#3
Chloromethane
Concen: 4.509 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

Tgt Ion: 50 Resp: 124840
Ion Ratio Lower Upper
50 100
52 31.4 22.9 42.5





#5

Vinyl chloride

Concen: 4.664 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

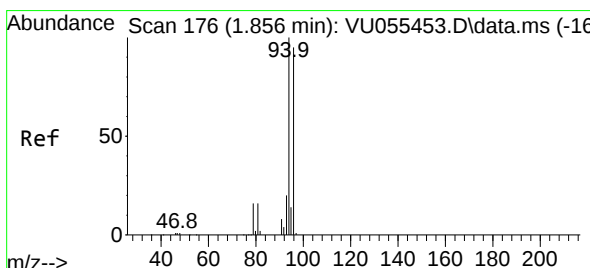
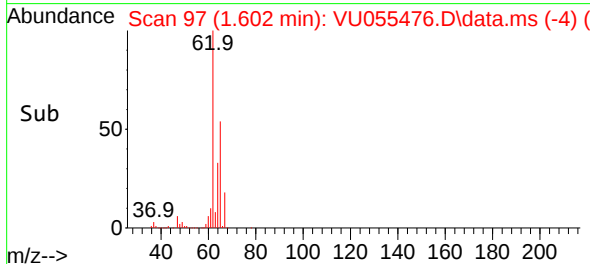
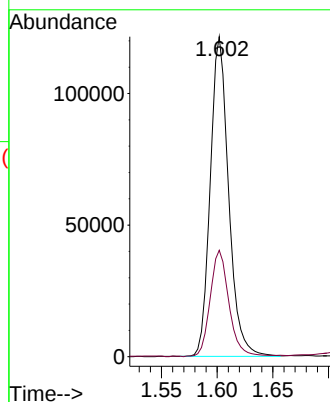
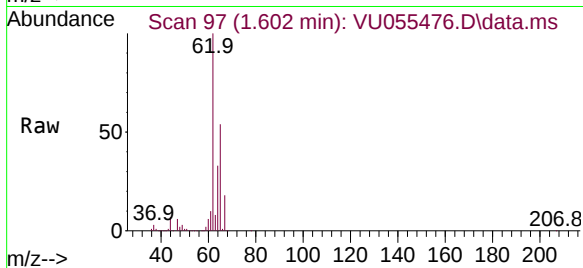
ClientSampleId :

Tgt Ion: 62 Resp: 139315

Ion Ratio Lower Upper

62 100

64 33.2 22.3 41.5



#6

Bromomethane

Concen: 3.286 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU055476.D

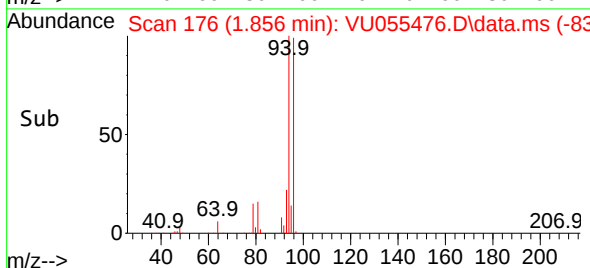
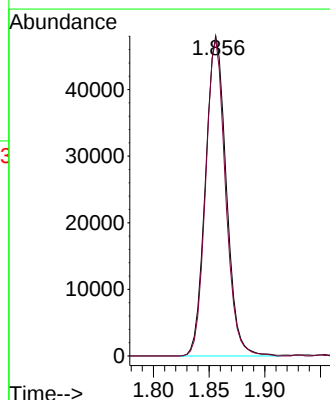
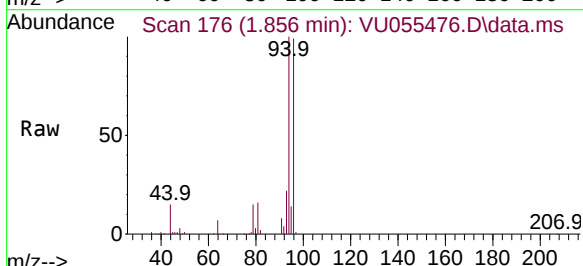
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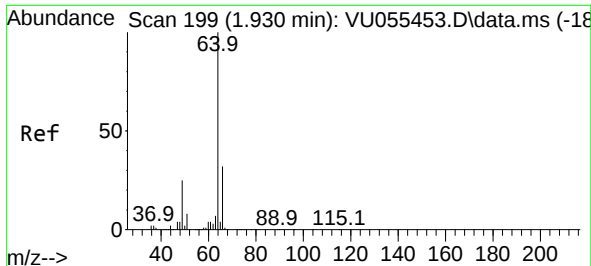
Tgt Ion: 94 Resp: 62353

Ion Ratio Lower Upper

94 100

96 99.0 66.4 123.2





#8

Chloroethane

Concen: 4.742 ug/L

RT: 1.930 min Scan# 199

Delta R.T. 0.000 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

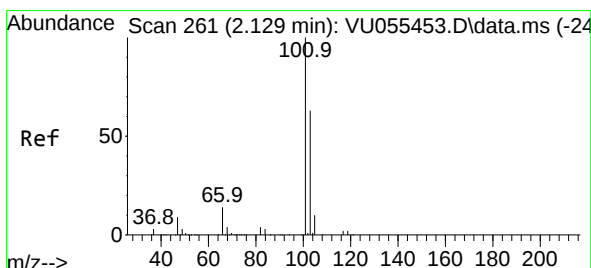
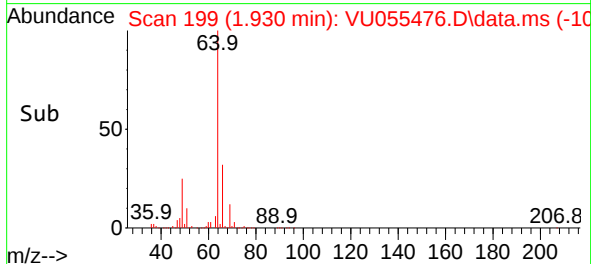
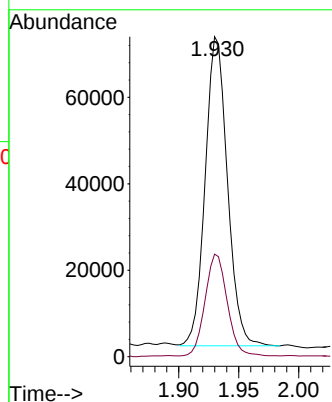
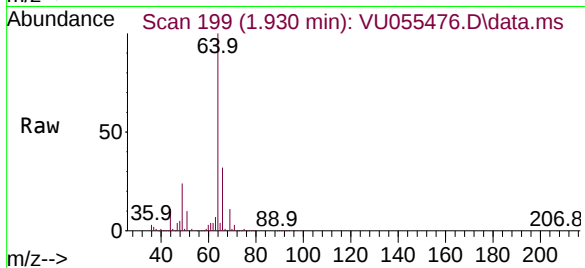
ClientSampleId :

Tgt Ion: 64 Resp: 92437

Ion Ratio Lower Upper

64 100

66 32.1 23.7 44.1



#9

Trichlorofluoromethane

Concen: 4.622 ug/L

RT: 2.136 min Scan# 263

Delta R.T. 0.006 min

Lab File: VU055476.D

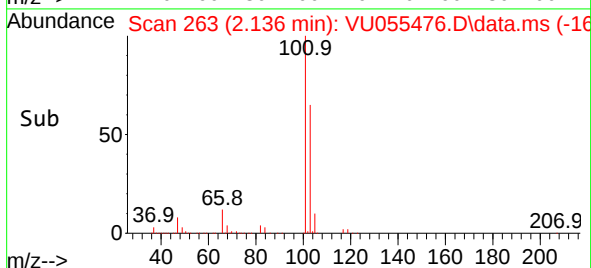
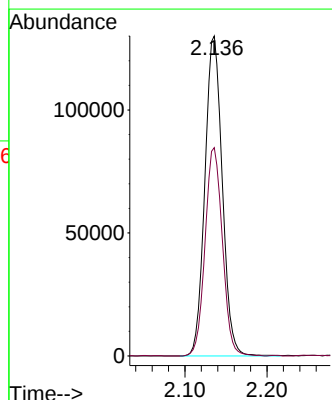
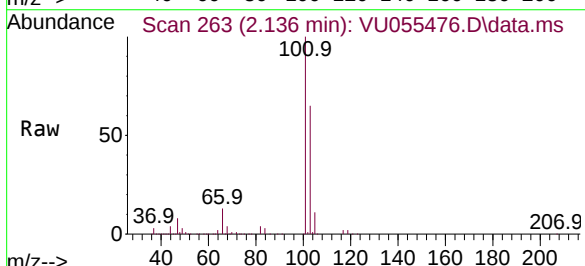
Acq: 22 Sep 2023 21:54

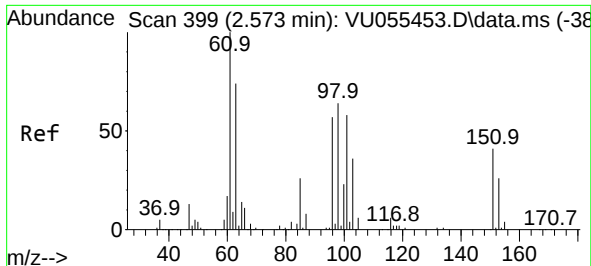
Tgt Ion:101 Resp: 191471

Ion Ratio Lower Upper

101 100

103 64.9 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.603 ug/L

RT: 2.579 min Scan# 401

Delta R.T. 0.006 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

ClientSampleId :

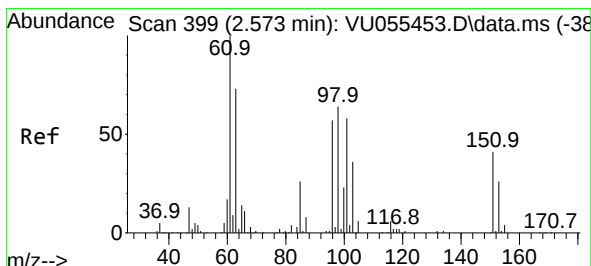
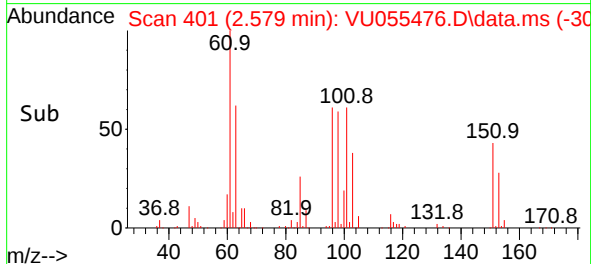
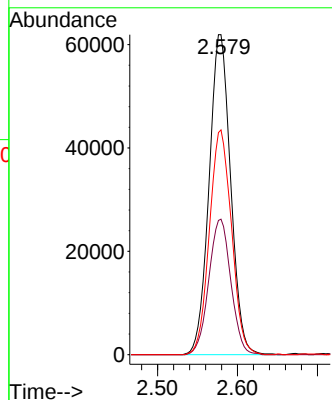
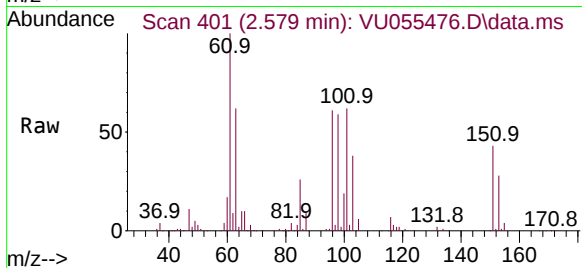
Tgt Ion:101 Resp: 116030

Ion Ratio Lower Upper

101 100

85 43.3 35.8 53.6

151 72.0 58.2 87.4



#12

1,1-Dichloroethene

Concen: 4.661 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

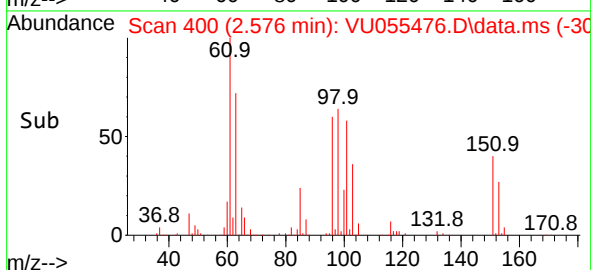
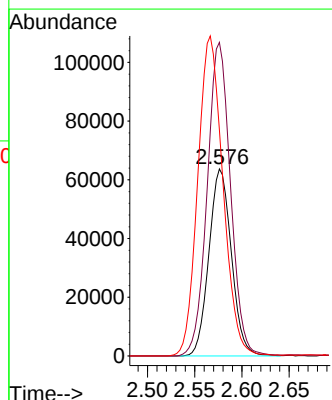
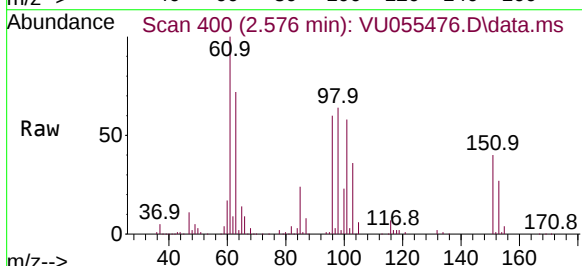
Tgt Ion: 96 Resp: 105361

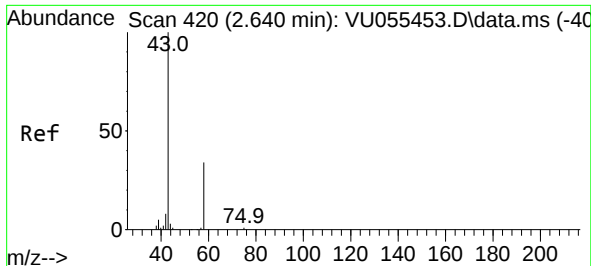
Ion Ratio Lower Upper

96 100

61 167.7 114.5 212.7

63 120.9 98.3 182.5





#13

Acetone

Concen: 42.662 ug/L

RT: 2.640 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU055476.D

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MSVOA_U

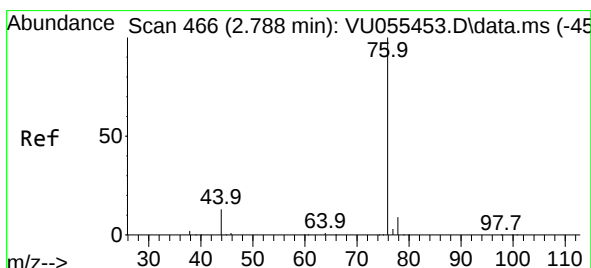
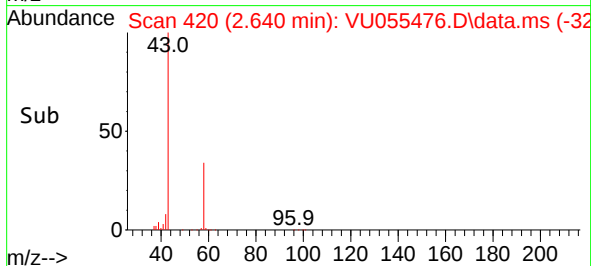
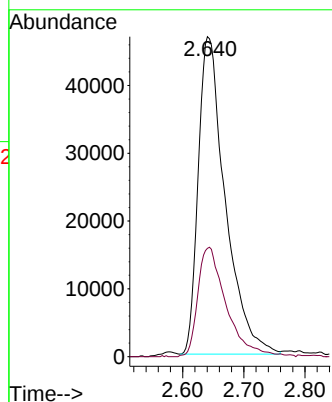
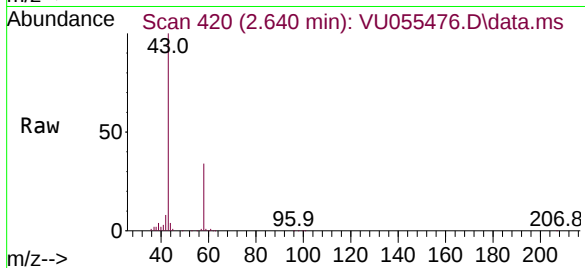
ClientSampleId :

Tgt Ion: 43 Resp: 143521

Ion Ratio Lower Upper

43 100

58 35.9 0.0 72.2



#14

Carbon disulfide

Concen: 4.850 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU055476.D

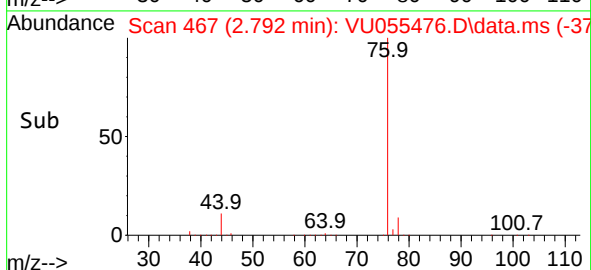
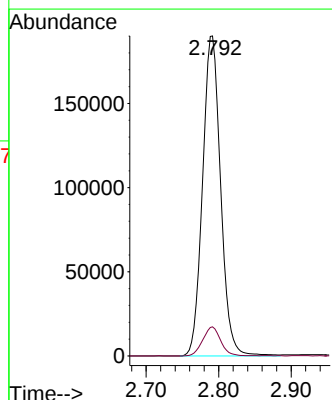
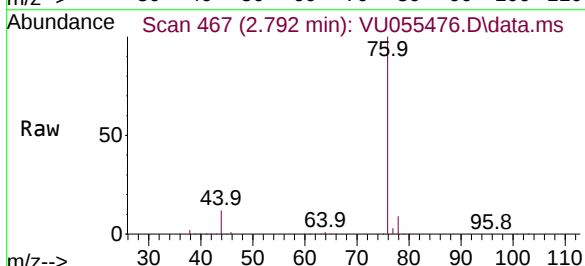
Acq: 22 Sep 2023 21:54

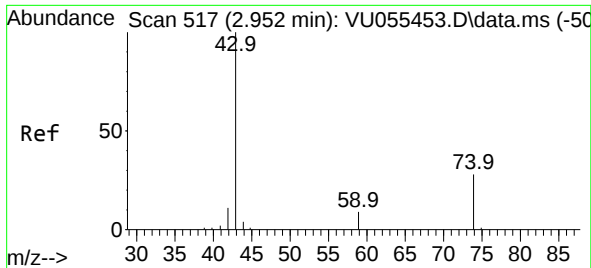
Tgt Ion: 76 Resp: 329571

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5

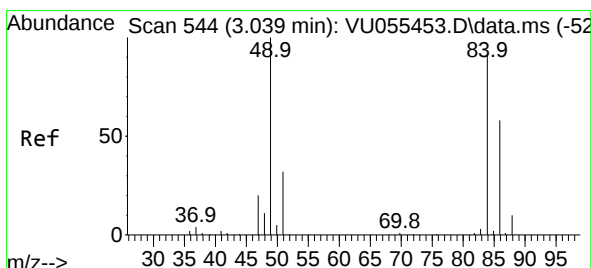
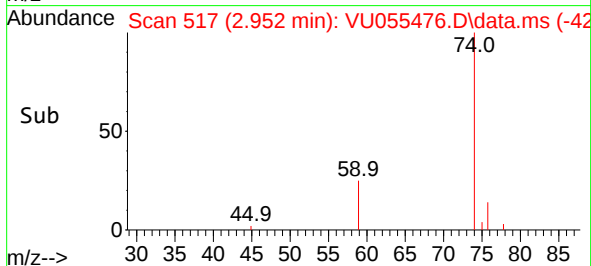
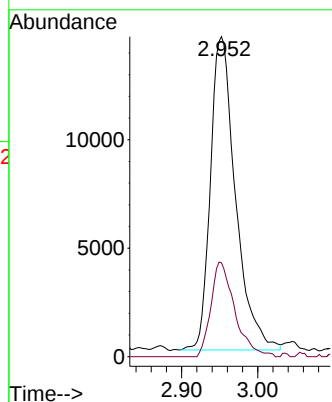
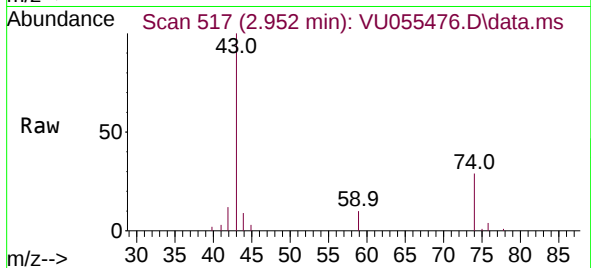




#15
Methyl Acetate
Concen: 4.320 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

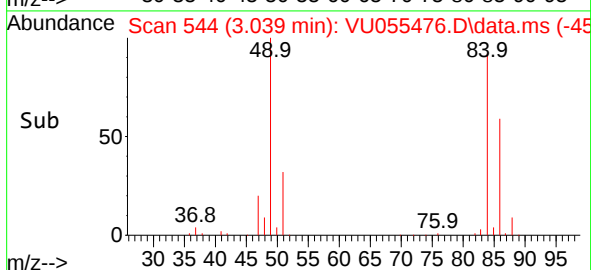
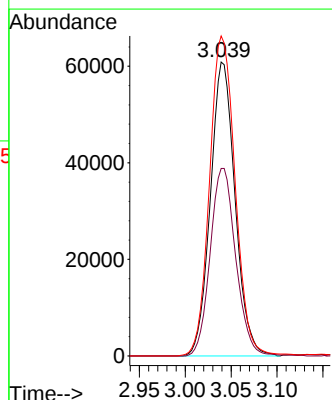
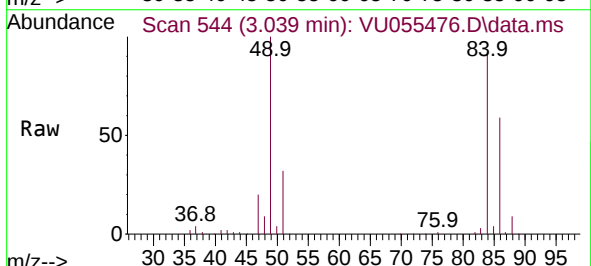
Instrument :
MSVOA_U
ClientSampleId :

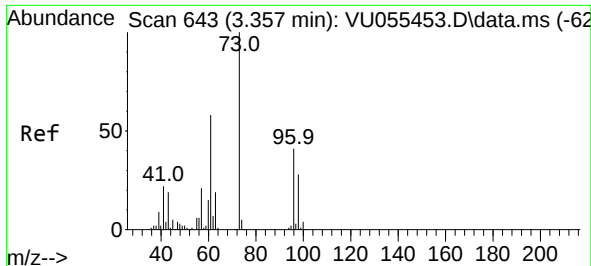
Tgt Ion: 43 Resp: 33135
Ion Ratio Lower Upper
43 100
74 28.6 22.3 33.5



#16
Methylene chloride
Concen: 4.207 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

Tgt Ion: 84 Resp: 113939
Ion Ratio Lower Upper
84 100
86 63.8 44.9 83.3
49 108.9 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 4.797 ug/L

RT: 3.357 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

ClientSampleId :

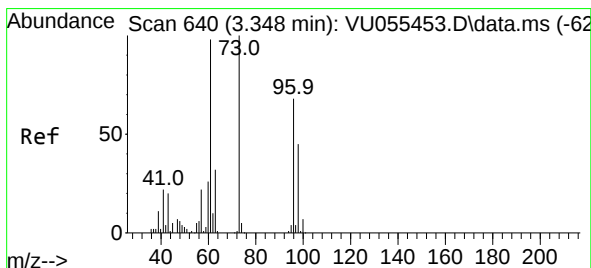
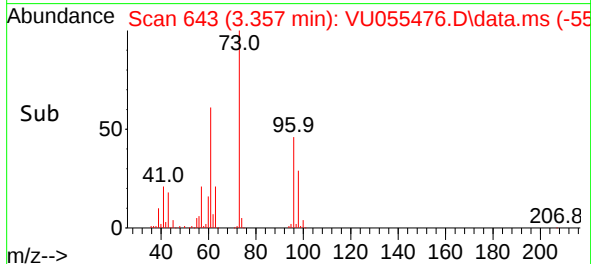
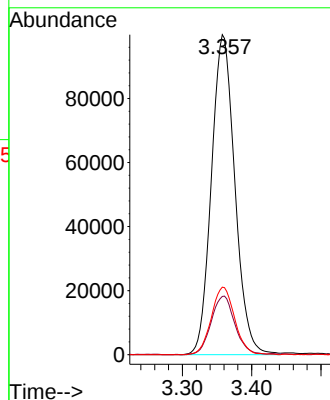
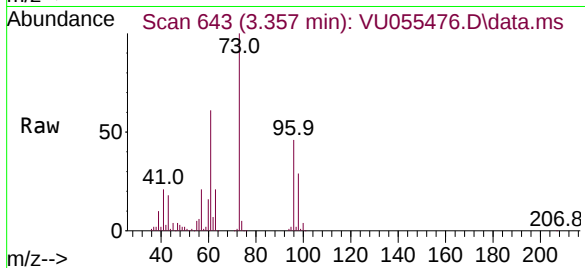
Tgt Ion: 73 Resp: 235201

Ion Ratio Lower Upper

73 100

43 18.6 14.9 22.3

57 21.0 17.3 25.9



#18

trans-1,2-Dichloroethene

Concen: 4.711 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.003 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

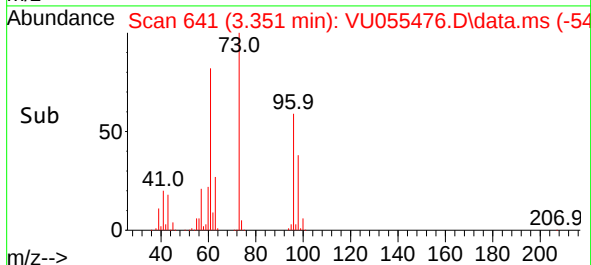
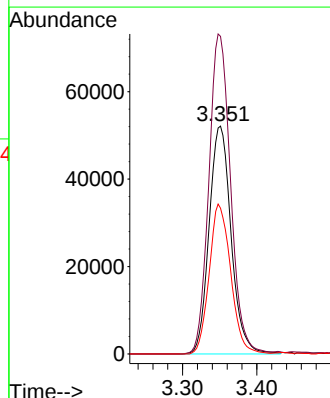
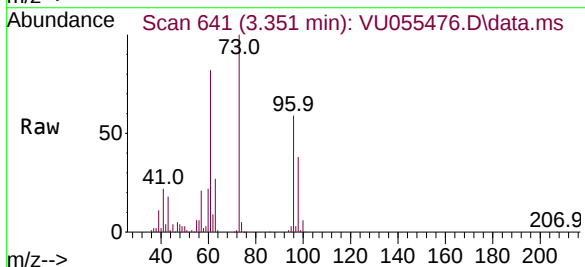
Tgt Ion: 96 Resp: 107339

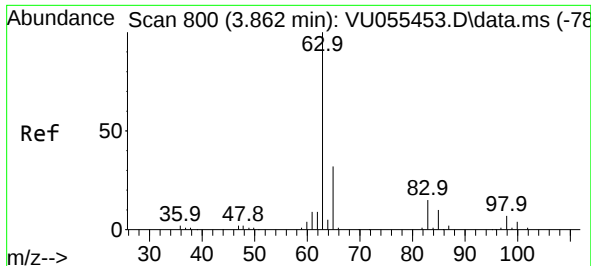
Ion Ratio Lower Upper

96 100

61 139.5 94.6 175.6

98 64.0 45.7 84.9





#19

1,1-Dichloroethane

Concen: 4.785 ug/L

RT: 3.865 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

ClientSampleId :

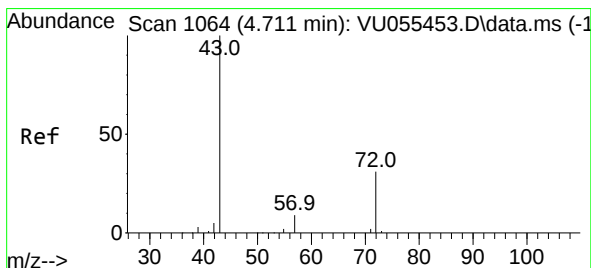
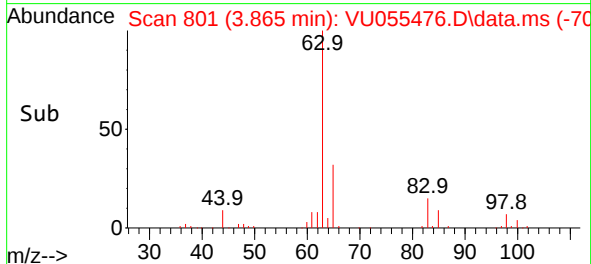
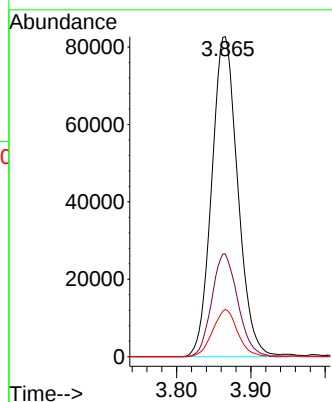
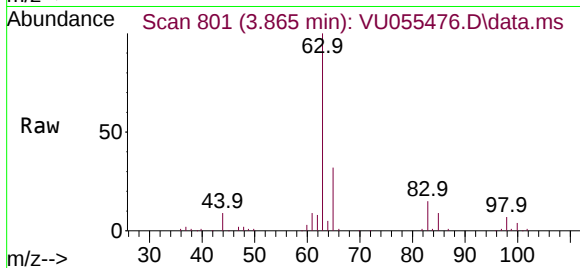
Tgt Ion: 63 Resp: 201580

Ion Ratio Lower Upper

63 100

65 32.1 22.0 41.0

83 14.7 10.1 18.9



#21

2-Butanone

Concen: 47.616 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. -0.003 min

Lab File: VU055476.D

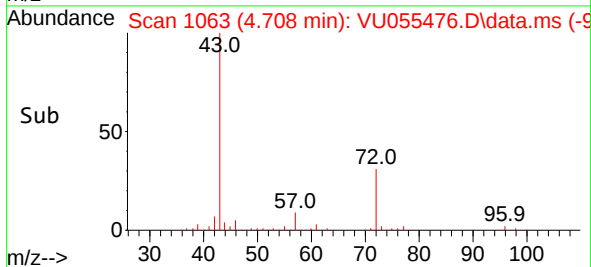
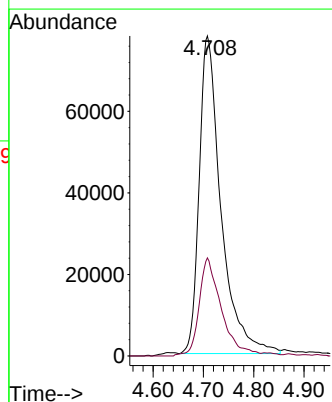
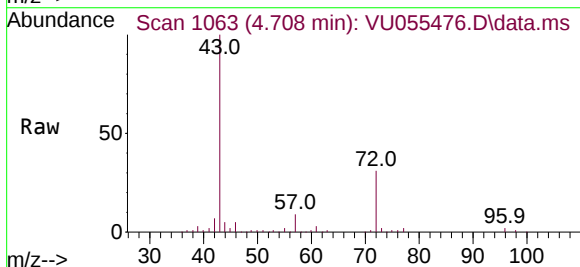
Acq: 22 Sep 2023 21:54

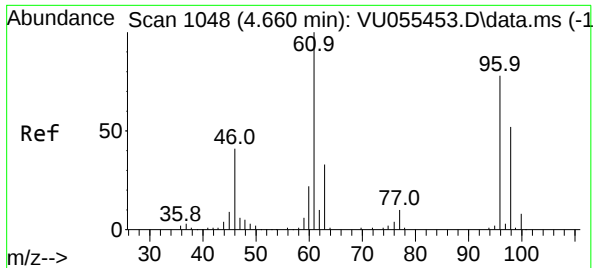
Tgt Ion: 43 Resp: 234944

Ion Ratio Lower Upper

43 100

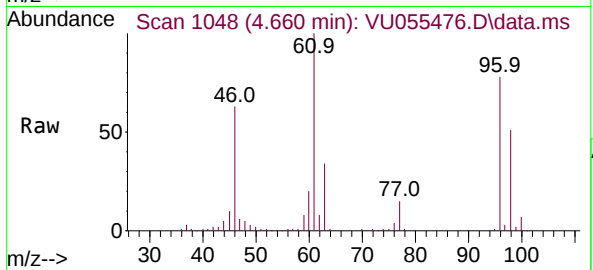
72 31.3 15.1 45.3



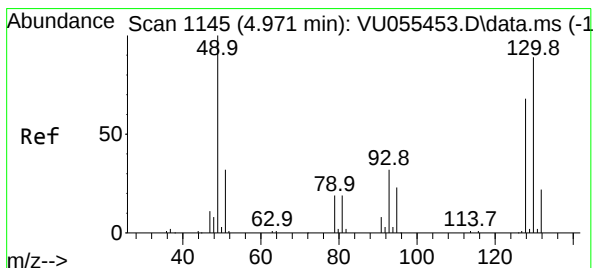
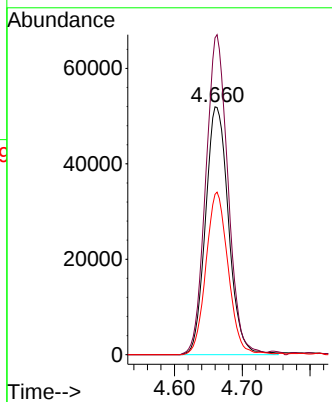
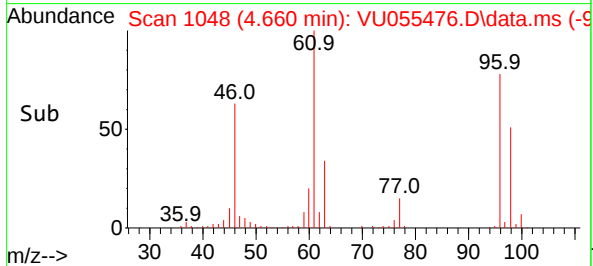


#22
 cis-1,2-Dichloroethene
 Concen: 4.642 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU055476.D
 Acq: 22 Sep 2023 21:54

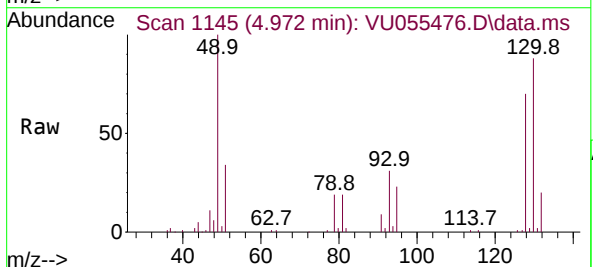
Instrument :
 MSVOA_U
 ClientSampleId :



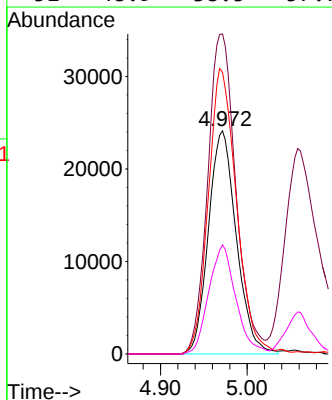
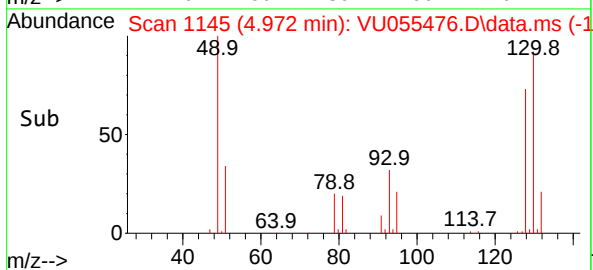
Tgt Ion: 96 Resp: 122616
 Ion Ratio Lower Upper
 96 100
 61 127.8 87.8 163.2
 98 64.7 44.4 82.4

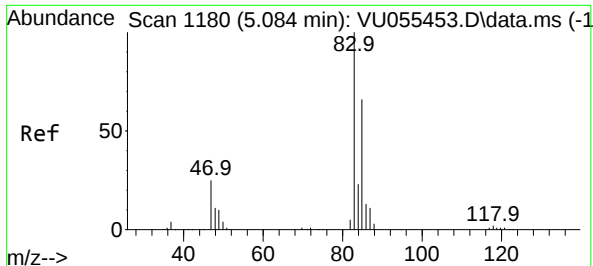


#23
 Bromochloromethane
 Concen: 4.834 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VU055476.D
 Acq: 22 Sep 2023 21:54



Tgt Ion: 128 Resp: 53969
 Ion Ratio Lower Upper
 128 100
 49 143.3 102.8 191.0
 130 126.2 89.9 166.9
 51 48.9 38.5 57.7





#25

Chloroform

Concen: 4.893 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

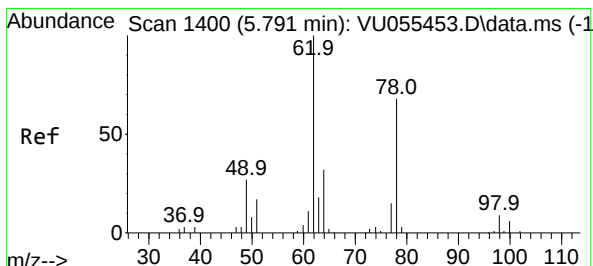
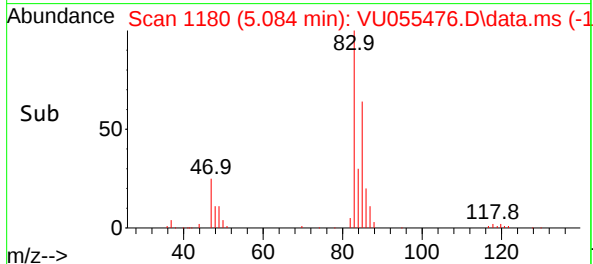
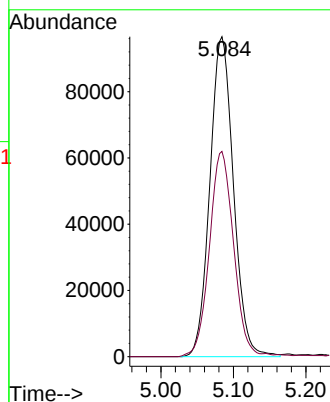
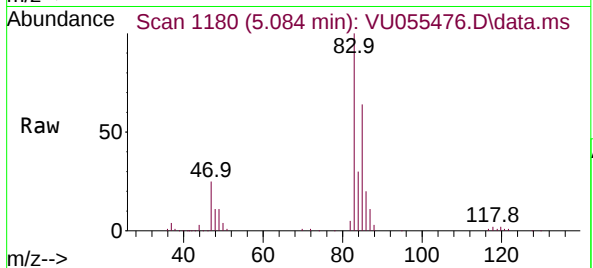
ClientSampleId :

Tgt Ion: 83 Resp: 218300

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5



#27

1,2-Dichloroethane

Concen: 13.693 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU055476.D

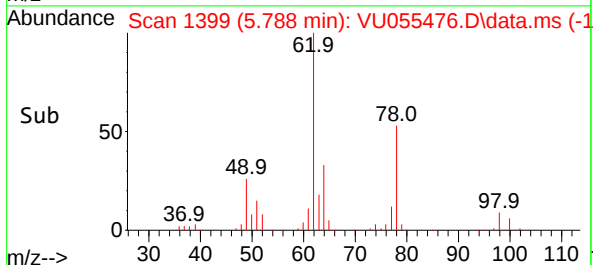
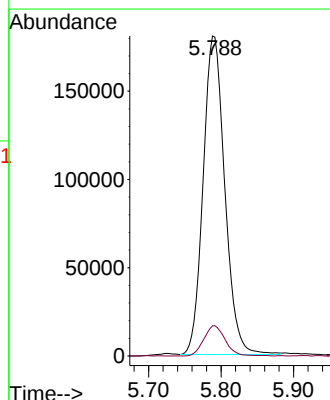
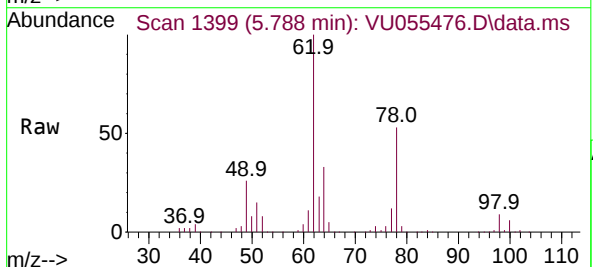
Acq: 22 Sep 2023 21:54

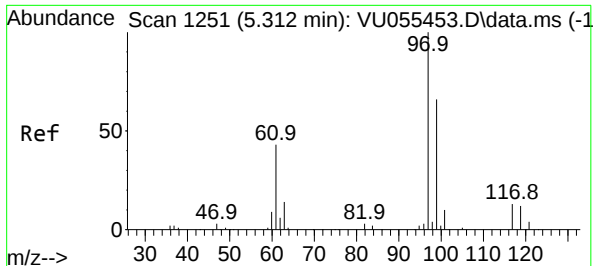
Tgt Ion: 62 Resp: 374631

Ion Ratio Lower Upper

62 100

98 9.4 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 5.011 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

ClientSampleId :

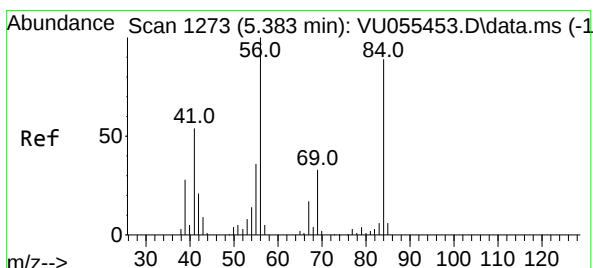
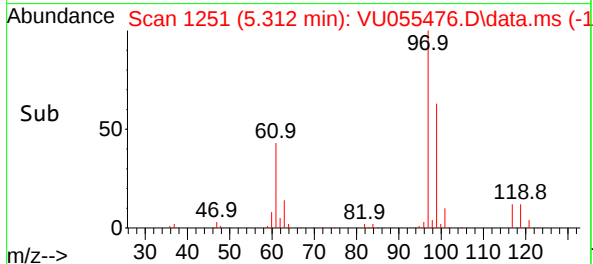
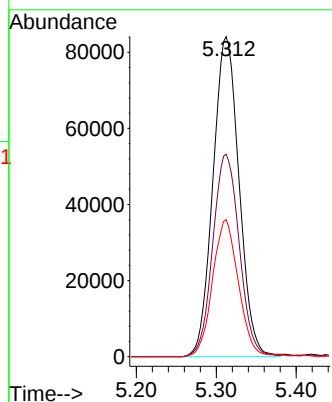
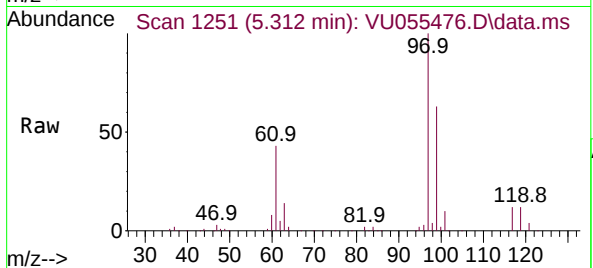
Tgt Ion: 97 Resp: 190804

Ion Ratio Lower Upper

97 100

99 64.2 50.7 76.1

61 42.4 34.6 51.8



#30

Cyclohexane

Concen: 4.630 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.003 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

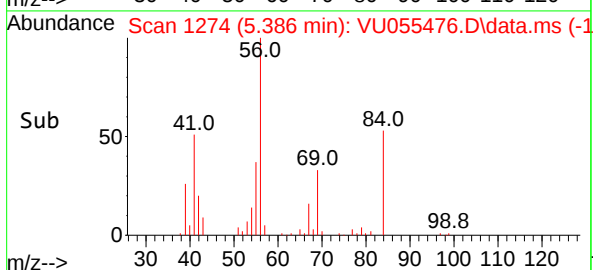
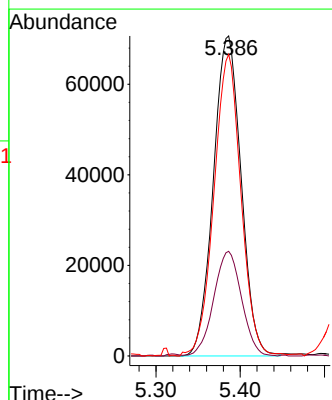
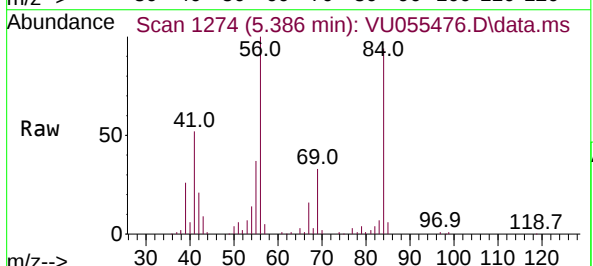
Tgt Ion: 56 Resp: 161381

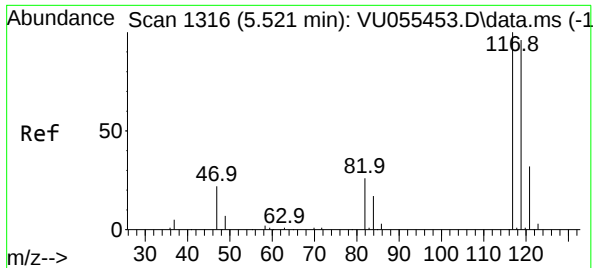
Ion Ratio Lower Upper

56 100

69 32.8 26.5 39.7

84 91.6 72.6 108.8

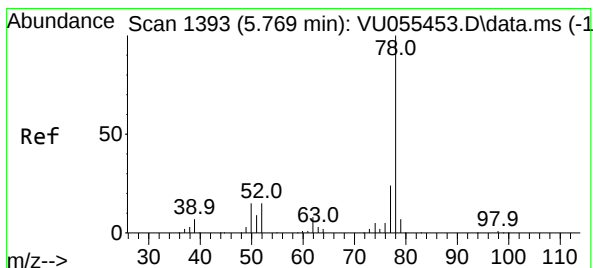
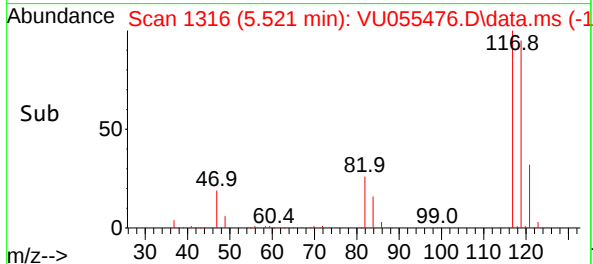
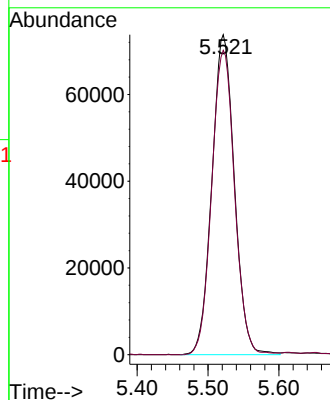
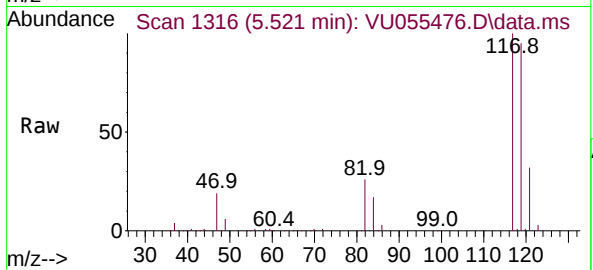




#31
Carbon tetrachloride
Concen: 4.983 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

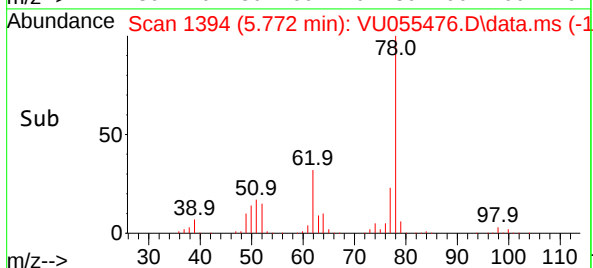
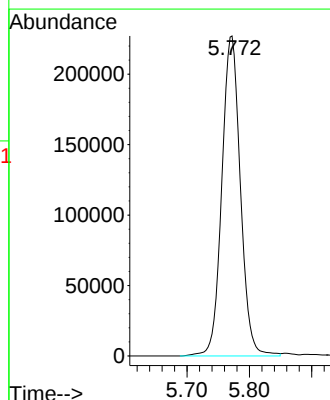
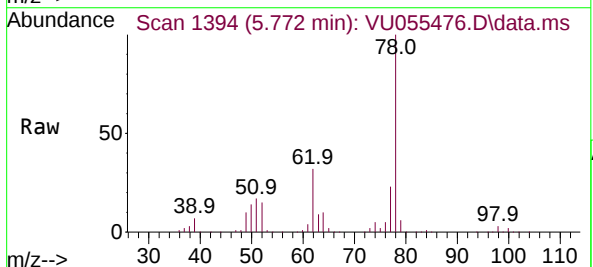
Instrument :
MSVOA_U
ClientSampleId :

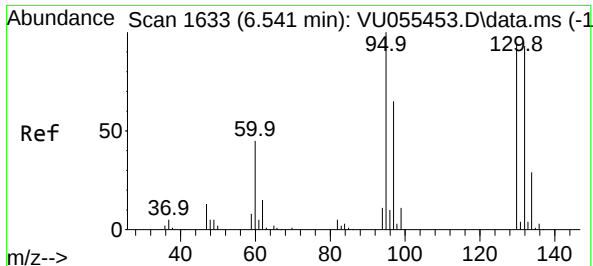
Tgt Ion:117 Resp: 162624
Ion Ratio Lower Upper
117 100
119 96.7 75.2 112.8



#33
Benzene
Concen: 4.887 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

Tgt Ion: 78 Resp: 469803





#34

Trichloroethene

Concen: 4.589 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 124793

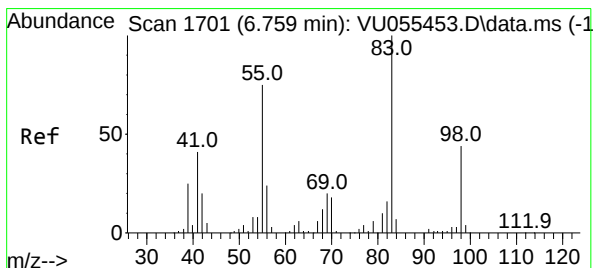
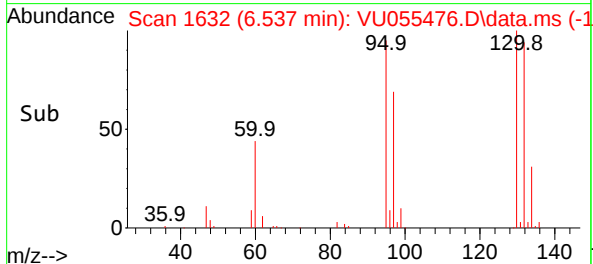
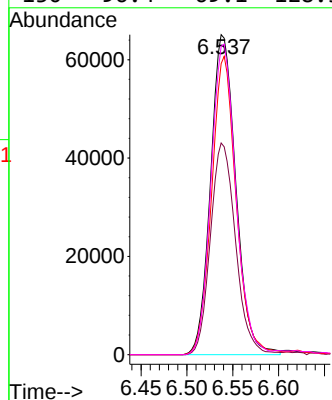
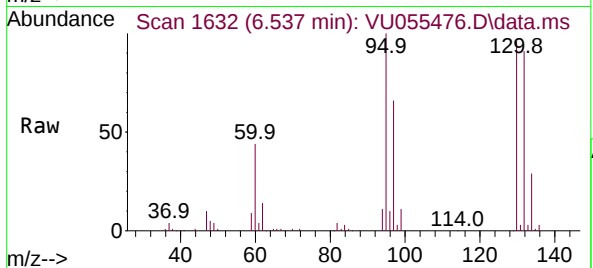
Ion Ratio Lower Upper

95 100

97 66.2 45.4 84.2

132 91.0 65.2 121.2

130 96.4 69.1 128.3



#35

Methylcyclohexane

Concen: 4.470 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

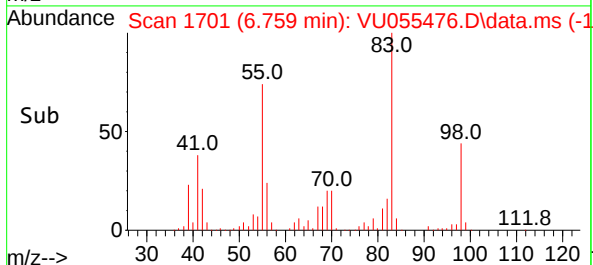
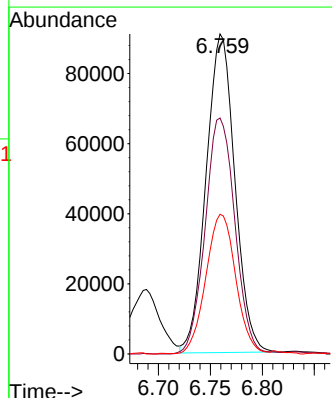
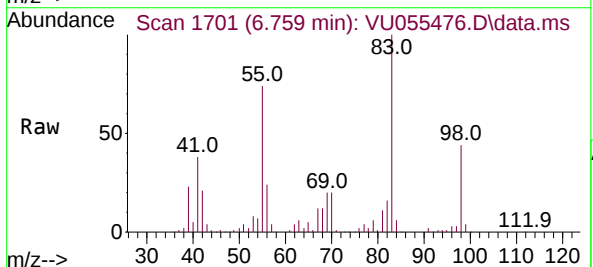
Tgt Ion: 83 Resp: 175114

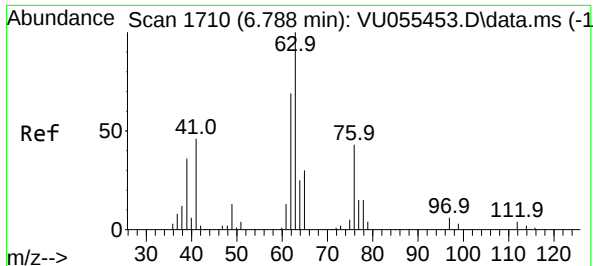
Ion Ratio Lower Upper

83 100

55 76.9 59.1 88.7

98 45.2 36.3 54.5

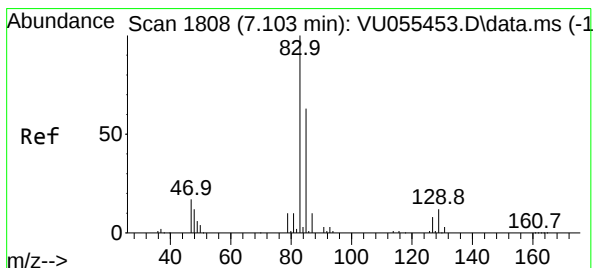
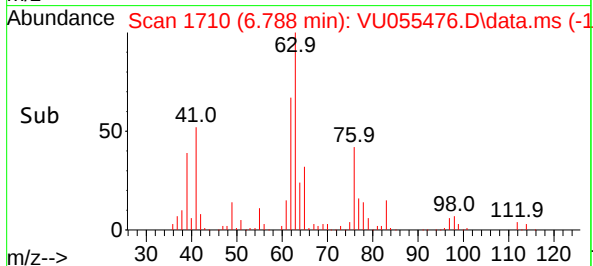
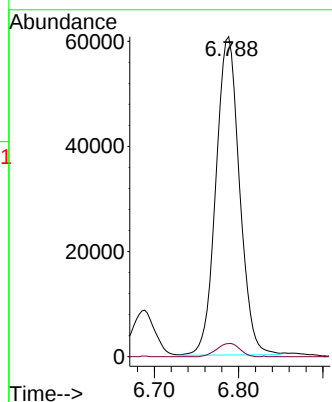
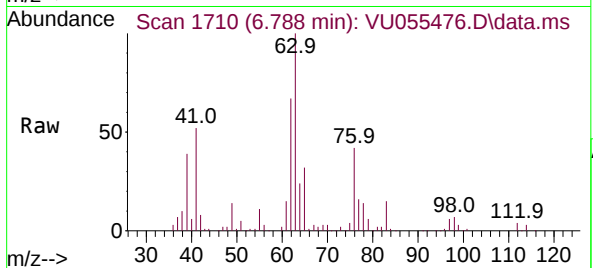




#37
1,2-Dichloropropane
Concen: 4.687 ug/L
RT: 6.788 min Scan# 1710
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

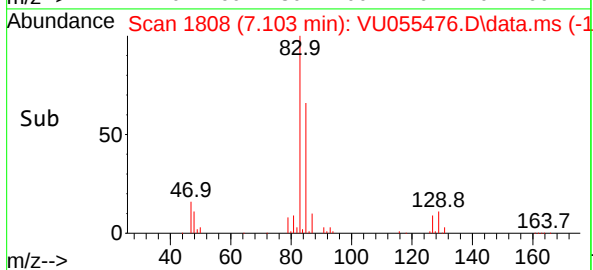
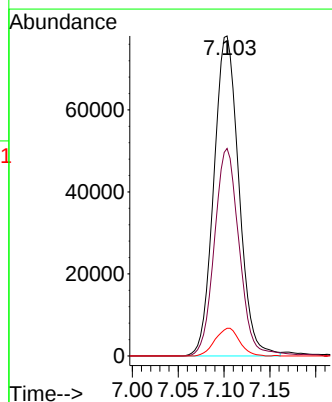
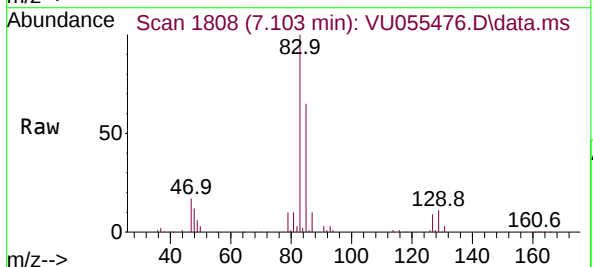
Instrument :
MSVOA_U
ClientSampleId :

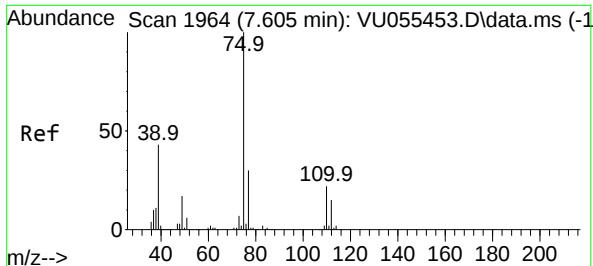
Tgt Ion: 63 Resp: 117832
Ion Ratio Lower Upper
63 100
112 4.0 3.0 4.6



#38
Bromodichloromethane
Concen: 5.029 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

Tgt Ion: 83 Resp: 148167
Ion Ratio Lower Upper
83 100
85 64.9 46.8 86.8
127 8.7 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.737 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

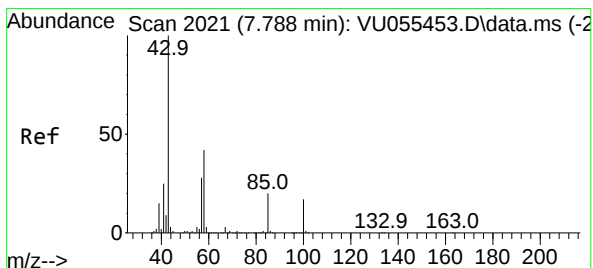
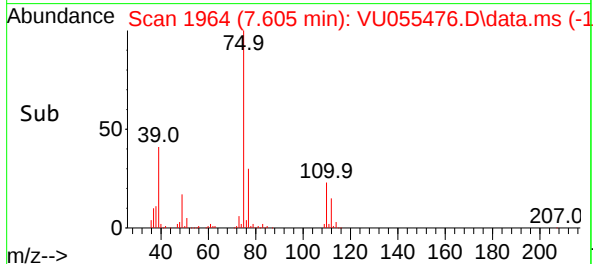
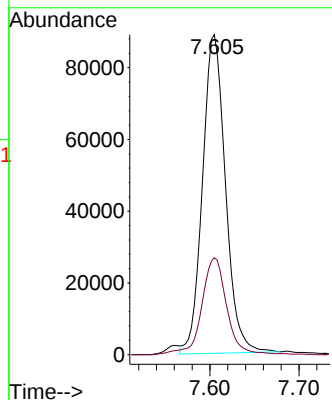
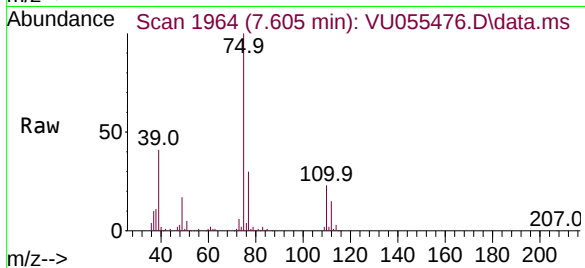
ClientSampleId :

Tgt Ion: 75 Resp: 158945

Ion Ratio Lower Upper

75 100

77 30.3 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 48.659 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

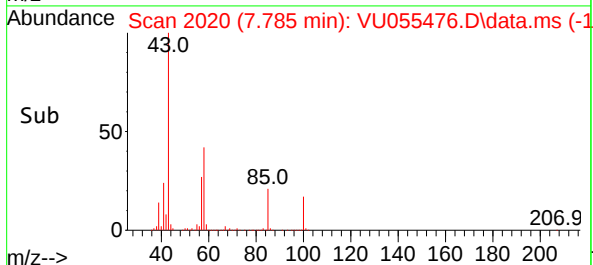
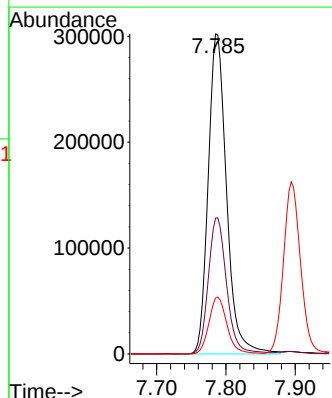
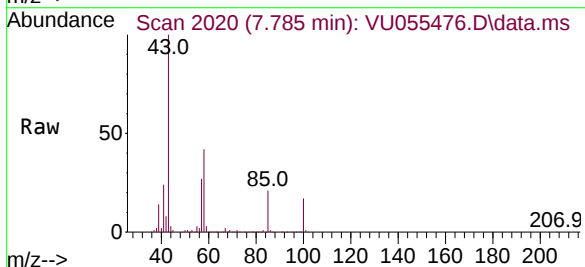
Tgt Ion: 43 Resp: 554962

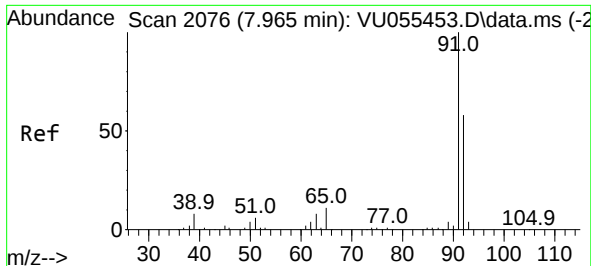
Ion Ratio Lower Upper

43 100

58 42.5 34.2 51.4

100 17.5 13.4 20.0

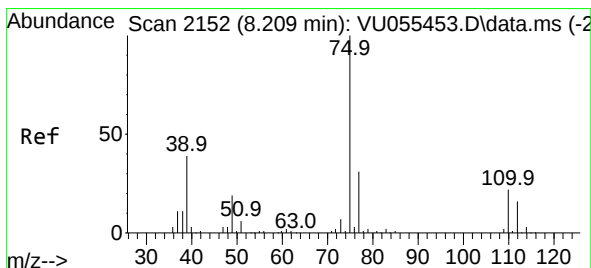
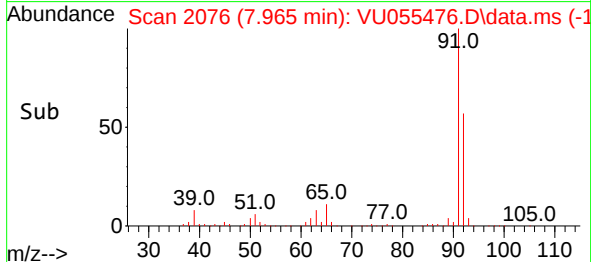
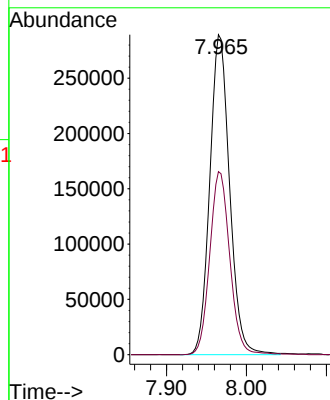
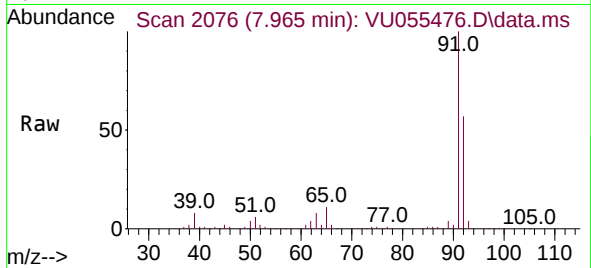




#42
Toluene
Concen: 4.865 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

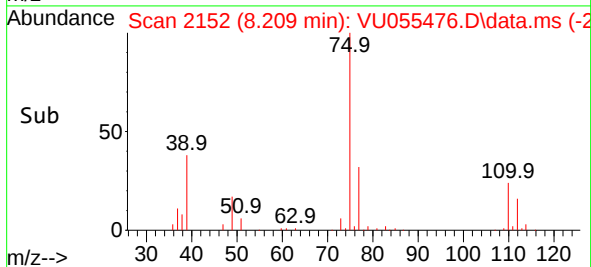
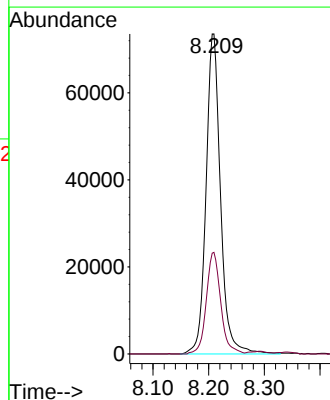
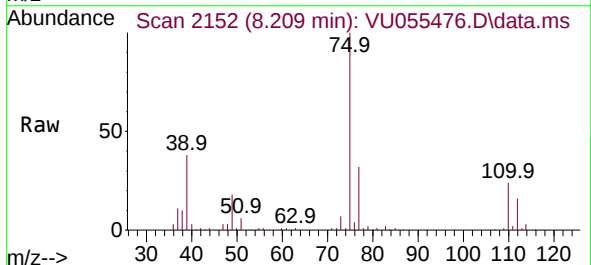
Instrument :
MSVOA_U
ClientSampleId :

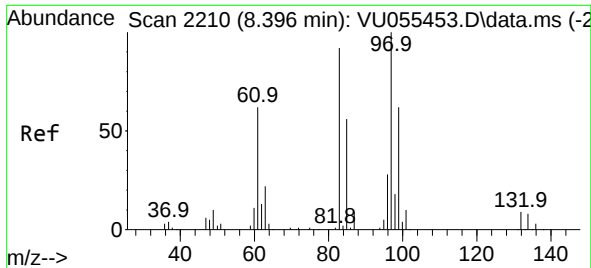
Tgt Ion: 91 Resp: 498895
Ion Ratio Lower Upper
91 100
92 57.2 40.3 74.8



#44
trans-1,3-Dichloropropene
Concen: 4.946 ug/L
RT: 8.209 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

Tgt Ion: 75 Resp: 132795
Ion Ratio Lower Upper
75 100
77 31.7 21.8 40.4

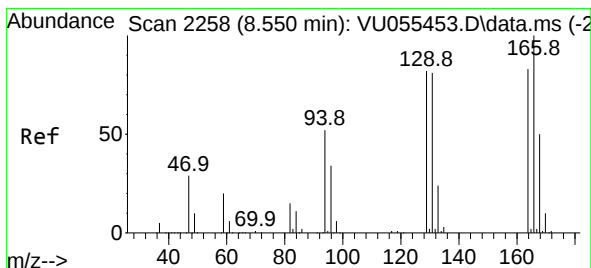
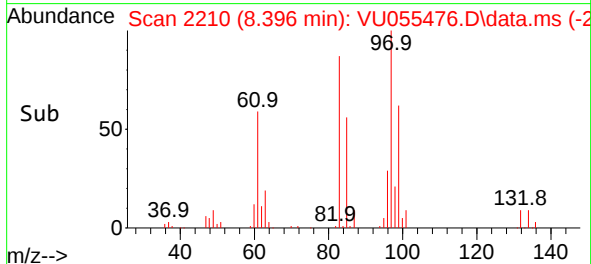
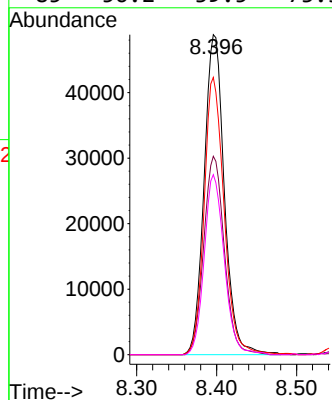
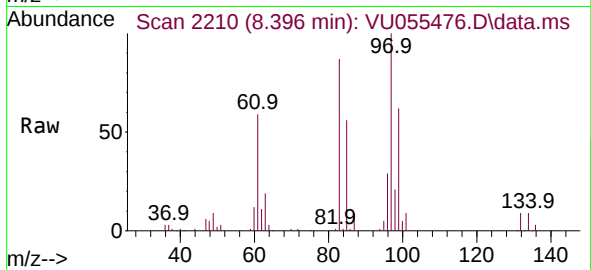




#45
1,1,2-Trichloroethane
Concen: 4.899 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

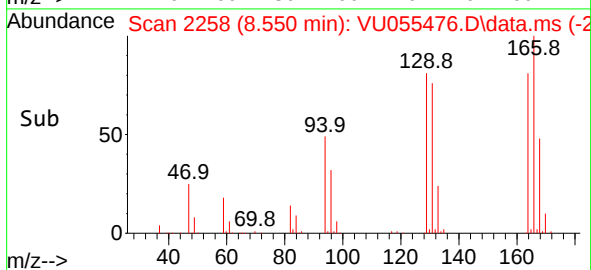
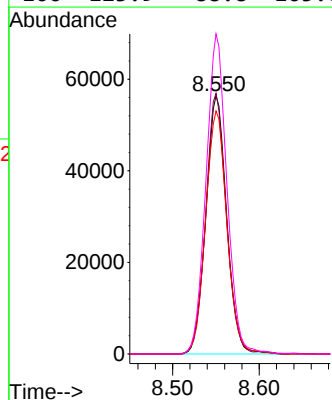
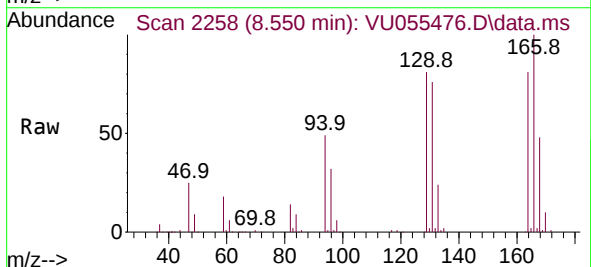
Instrument :
MSVOA_U
ClientSampleId :

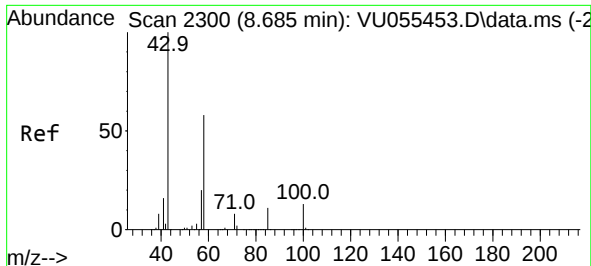
Tgt Ion:	97	Resp:	86365
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.1	81.9
83	86.6	61.5	114.1
85	56.2	39.5	73.3



#47
Tetrachloroethene
Concen: 4.831 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

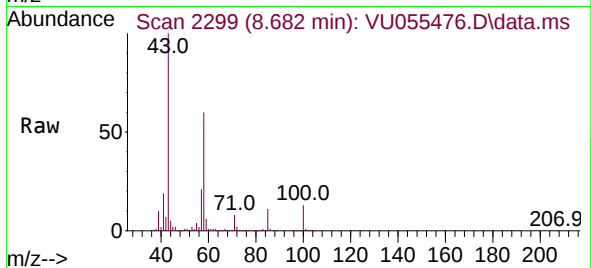
Tgt Ion:	164	Resp:	94236
Ion	Ratio	Lower	Upper
164	100		
129	100.9	67.4	125.2
131	94.1	66.4	123.2
166	123.9	88.8	165.0



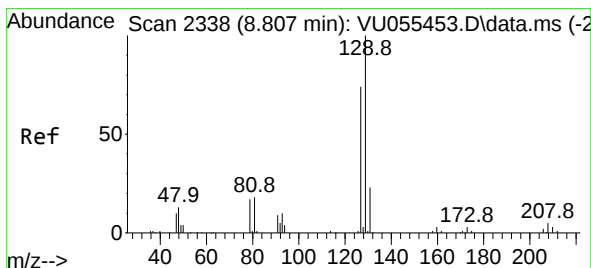
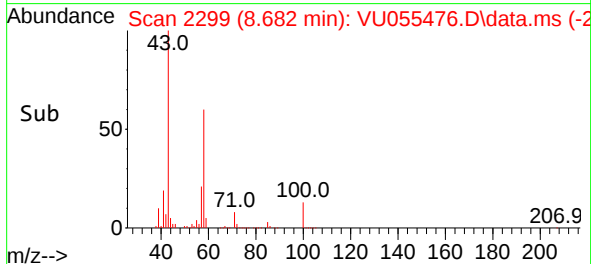
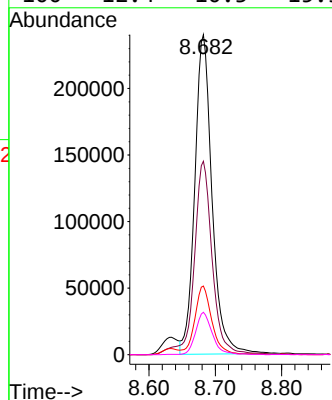


#48
2-Hexanone
Concen: 49.197 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

Instrument :
MSVOA_U
ClientSampleId :

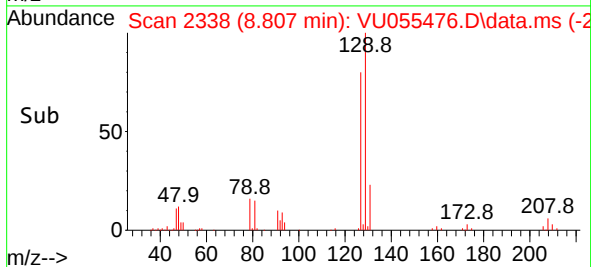
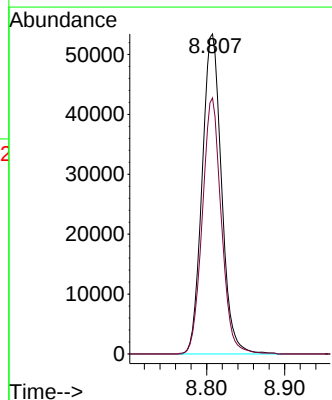
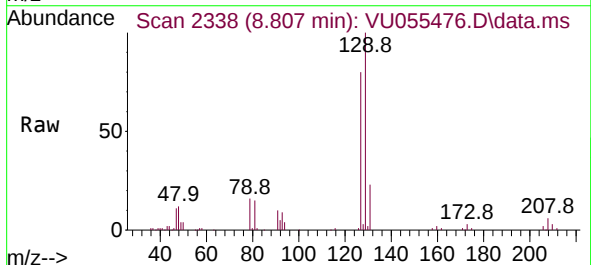


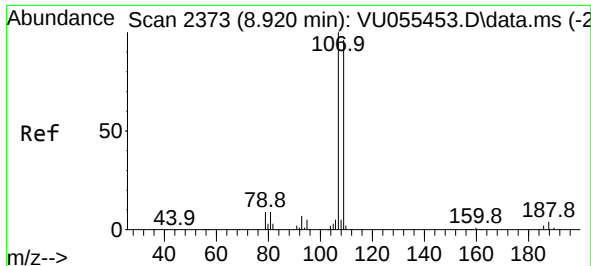
Tgt Ion: 43 Resp: 434858
Ion Ratio Lower Upper
43 100
58 63.1 48.5 72.7
57 21.2 17.0 25.4
100 12.4 10.3 15.5



#49
Dibromochloromethane
Concen: 4.998 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

Tgt Ion: 129 Resp: 92357
Ion Ratio Lower Upper
129 100
127 80.0 56.8 105.6





#50

1,2-Dibromoethane

Concen: 4.994 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055476.D

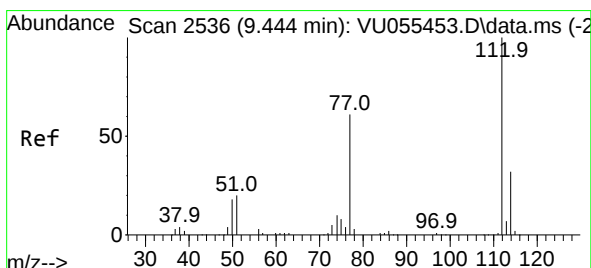
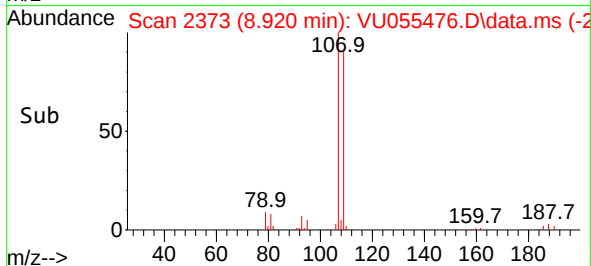
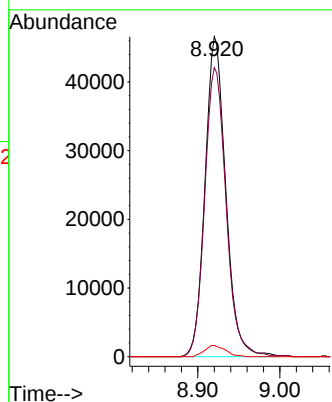
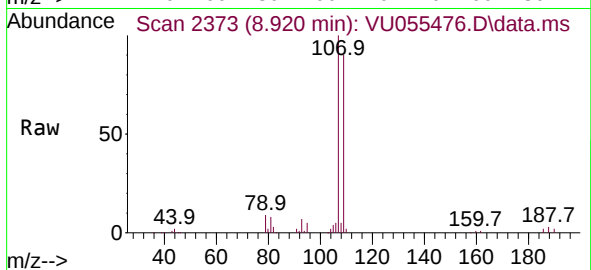
Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	81709
Ion Ratio	Lower	Upper	
107	100		
109	90.3	66.1	122.8
188	3.5	3.2	4.8



#51

Chlorobenzene

Concen: 4.736 ug/L

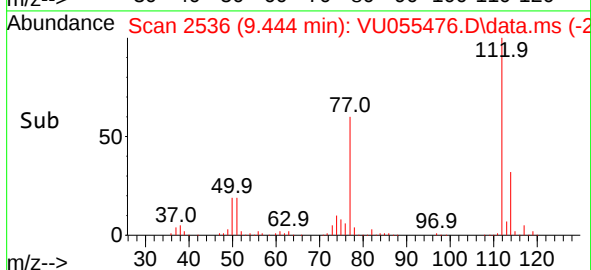
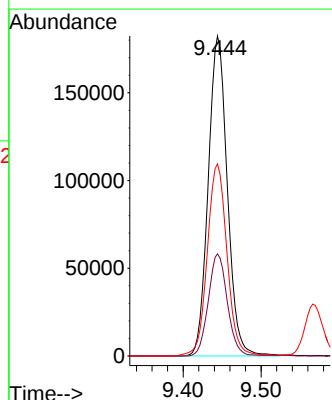
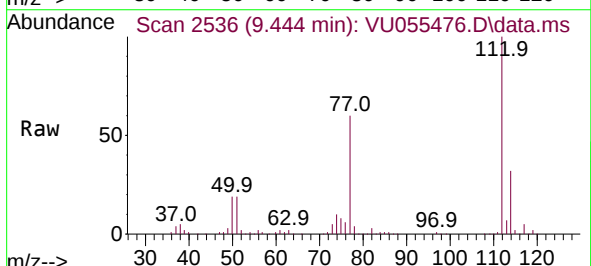
RT: 9.444 min Scan# 2536

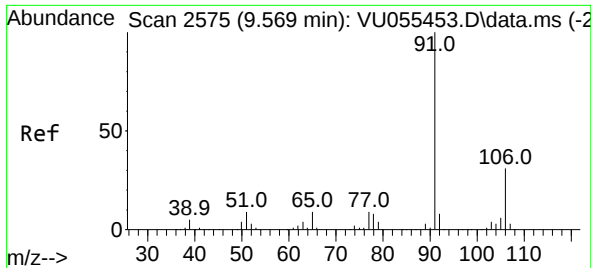
Delta R.T. 0.000 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Tgt Ion:	112	Resp:	311056
Ion Ratio	Lower	Upper	
112	100		
114	31.9	22.0	40.8
77	60.0	46.9	70.3

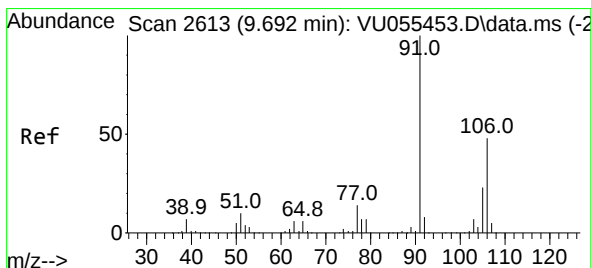
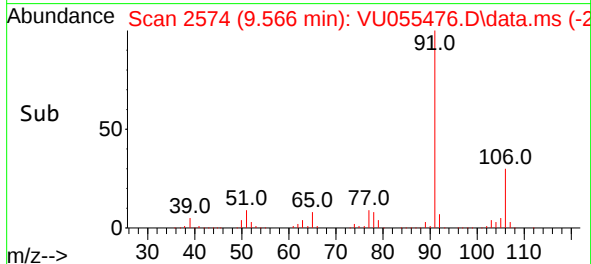
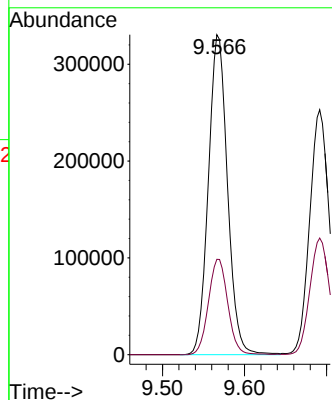
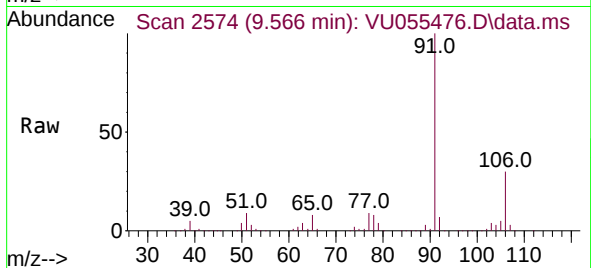




#52
Ethylbenzene
Concen: 4.866 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

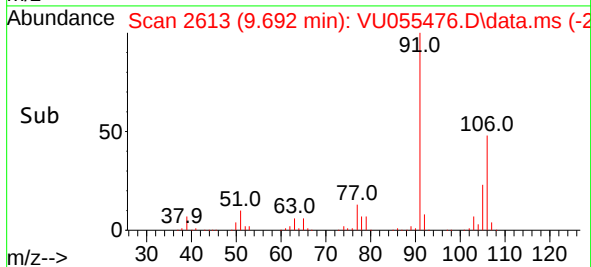
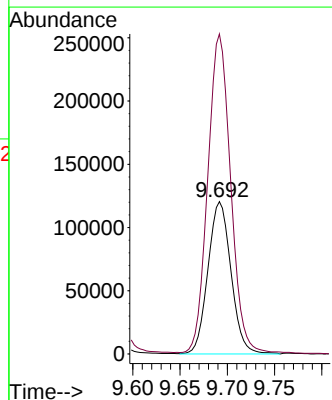
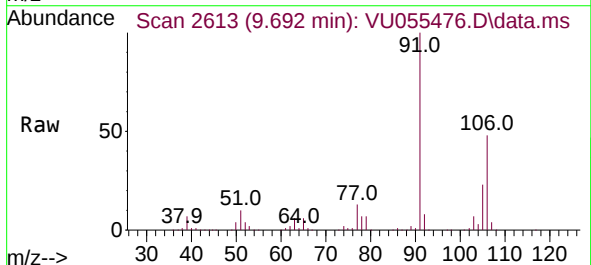
Instrument :
MSVOA_U
ClientSampleId :

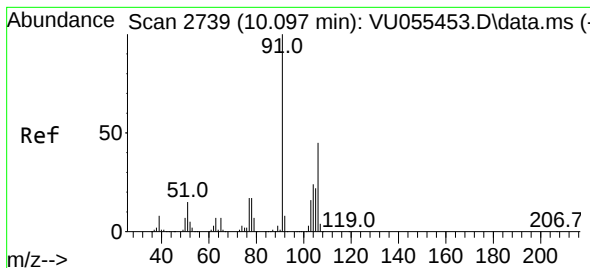
Tgt Ion: 91 Resp: 534928
Ion Ratio Lower Upper
91 100
106 29.8 22.4 41.6



#53
m,p-Xylene
Concen: 4.969 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

Tgt Ion:106 Resp: 204705
Ion Ratio Lower Upper
106 100
91 210.0 144.8 269.0





#54

o-Xylene

Concen: 4.849 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.000 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

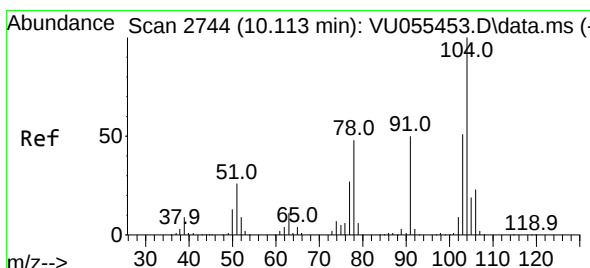
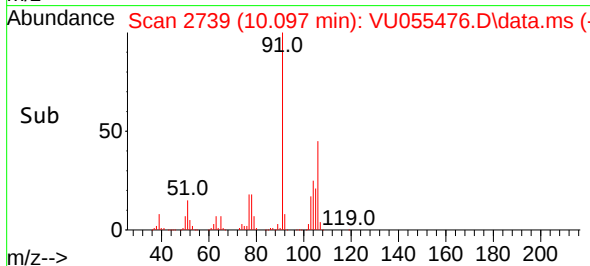
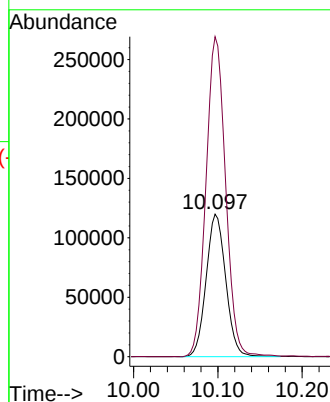
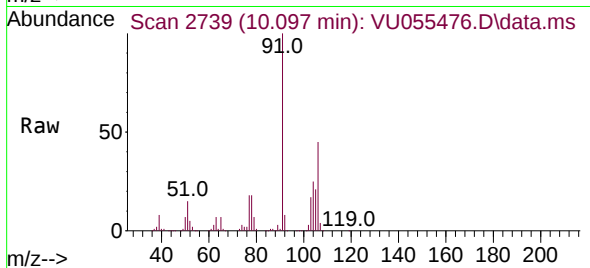
ClientSampleId :

Tgt Ion:106 Resp: 194230

Ion Ratio Lower Upper

106 100

91 224.6 157.6 292.8



#55

Styrene

Concen: 5.012 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VU055476.D

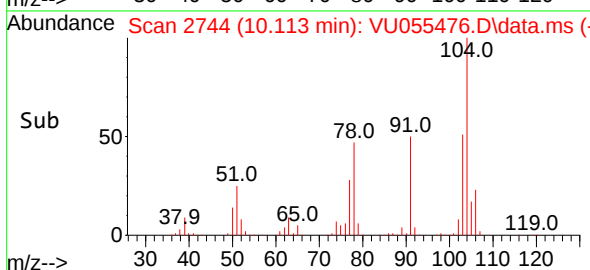
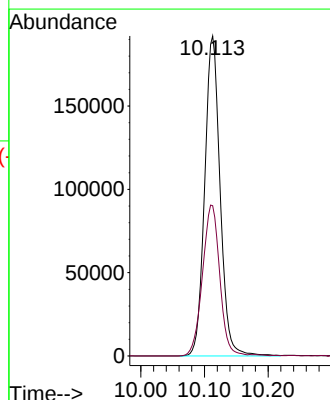
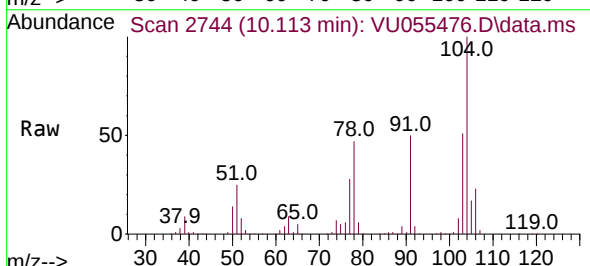
Acq: 22 Sep 2023 21:54

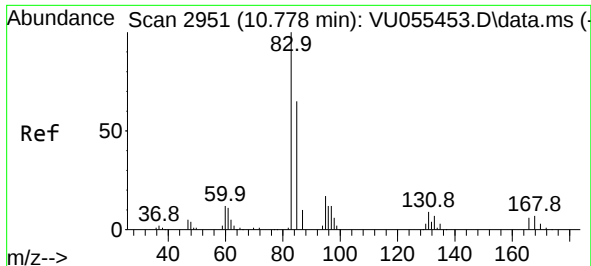
Tgt Ion:104 Resp: 324610

Ion Ratio Lower Upper

104 100

78 46.9 31.2 58.0

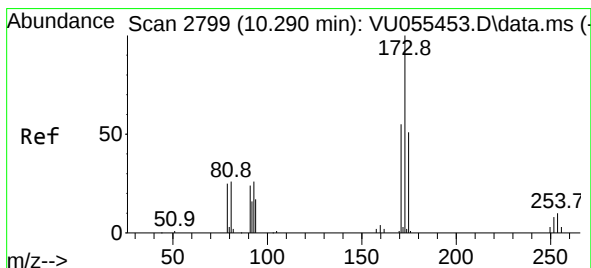
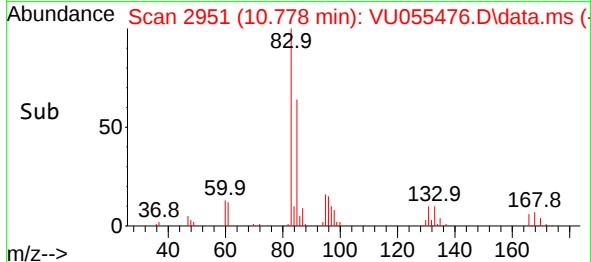
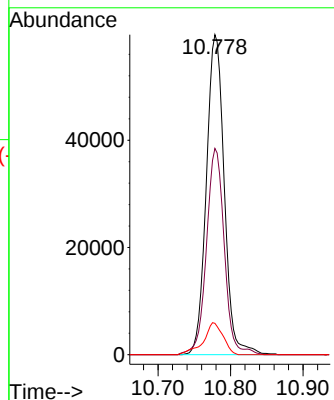
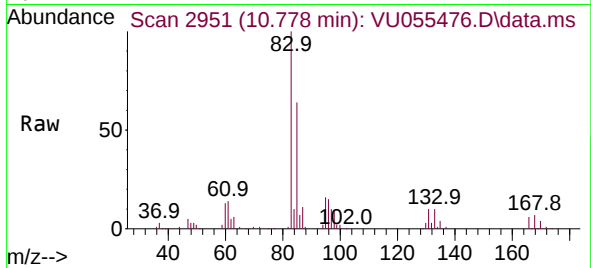




#57
1,1,2,2-Tetrachloroethane
Concen: 5.150 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

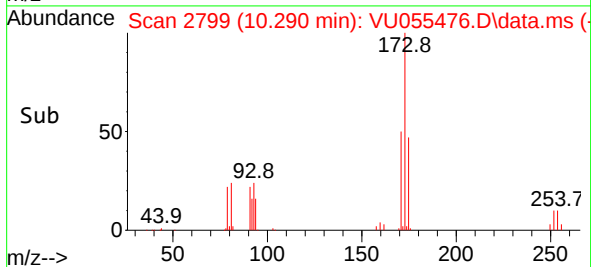
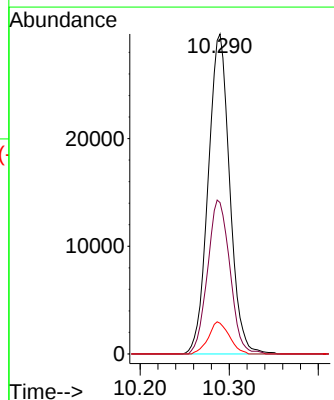
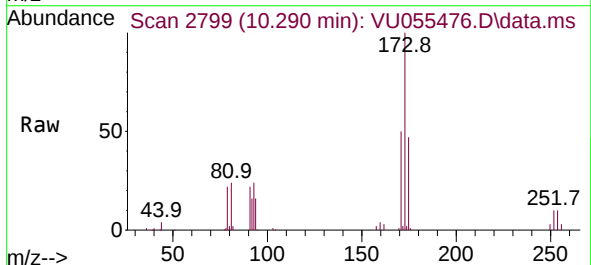
Instrument :
MSVOA_U
ClientSampleId :

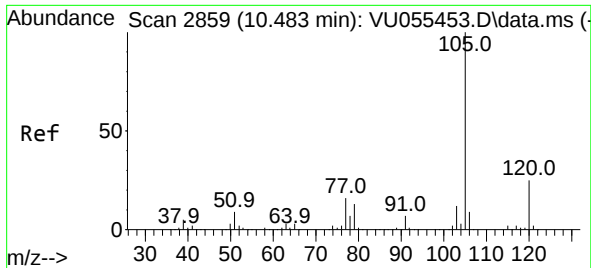
Tgt Ion: 83 Resp: 102486
Ion Ratio Lower Upper
83 100
85 64.5 44.4 82.5
131 9.8 7.4 11.2



#59
Bromoform
Concen: 4.891 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

Tgt Ion:173 Resp: 49746
Ion Ratio Lower Upper
173 100
175 49.9 39.4 59.2
254 9.7 7.3 10.9

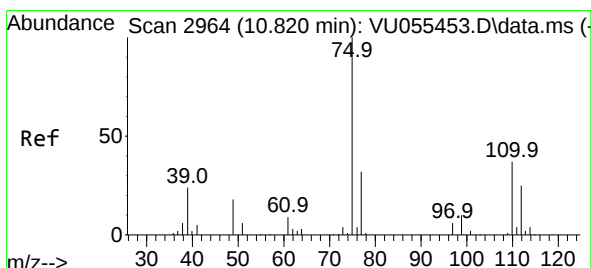
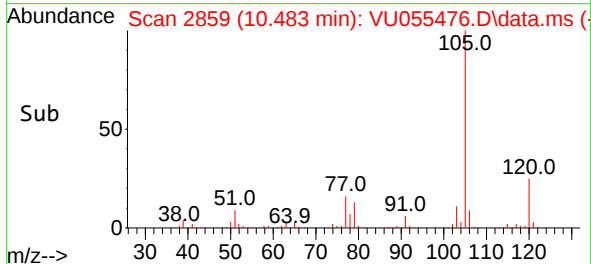
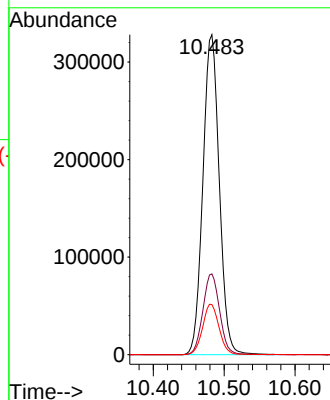
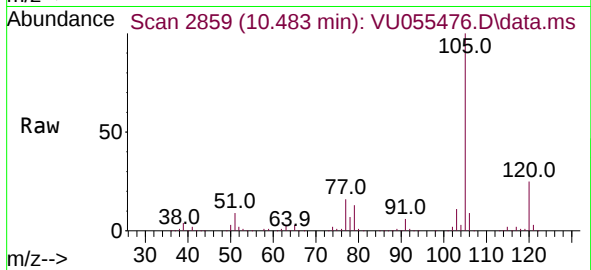




#60
Isopropylbenzene
Concen: 4.813 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

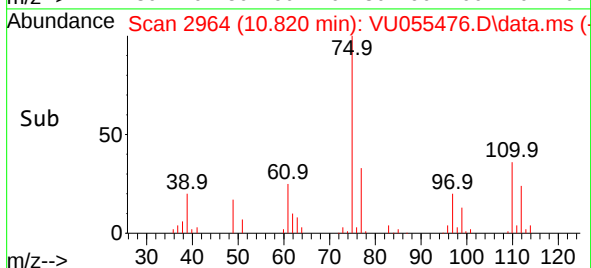
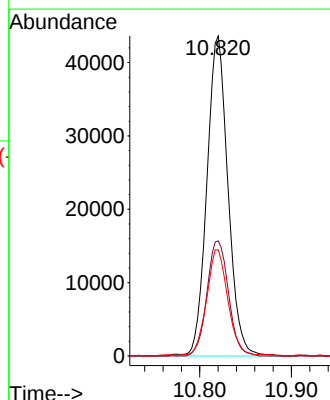
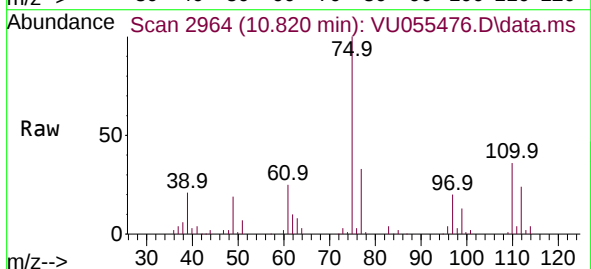
Instrument :
MSVOA_U
ClientSampleId :

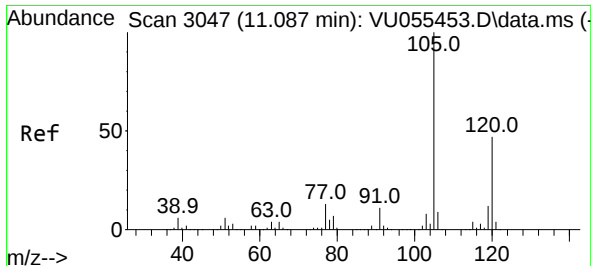
Tgt Ion:105 Resp: 526398
Ion Ratio Lower Upper
105 100
120 25.8 20.8 31.2
77 15.9 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.699 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

Tgt Ion: 75 Resp: 69613
Ion Ratio Lower Upper
75 100
110 36.7 30.6 45.8
77 33.7 26.7 40.1





#62

1,3,5-Trimethylbenzene

Concen: 4.761 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

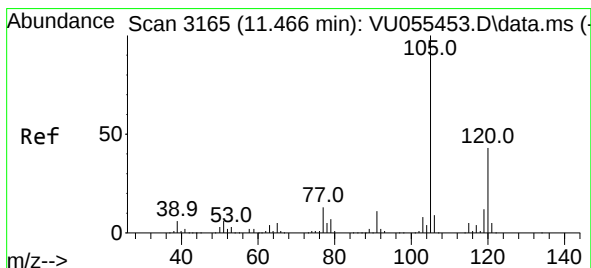
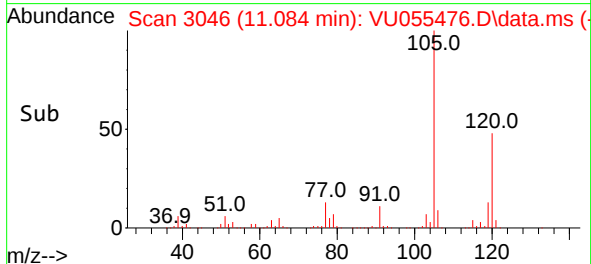
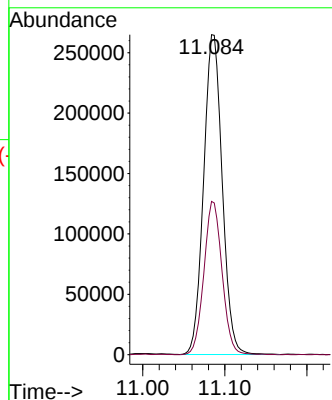
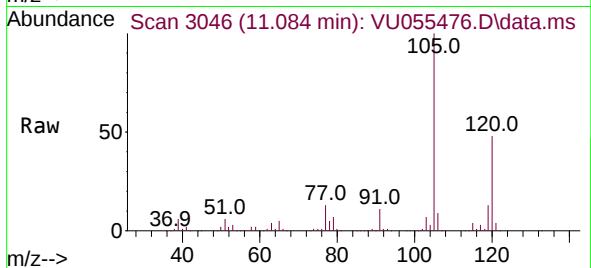
ClientSampleId :

Tgt Ion:105 Resp: 416419

Ion Ratio Lower Upper

105 100

120 46.8 38.1 57.1



#63

1,2,4-Trimethylbenzene

Concen: 4.711 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055476.D

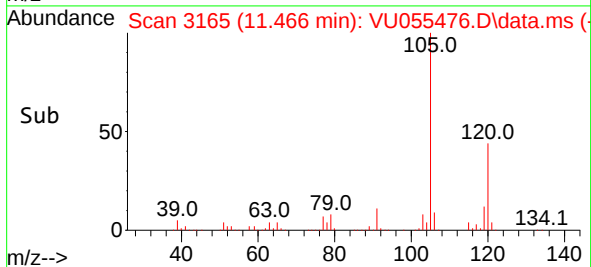
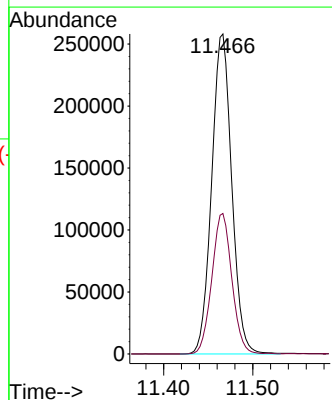
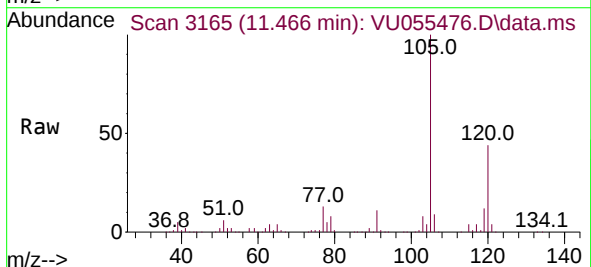
Acq: 22 Sep 2023 21:54

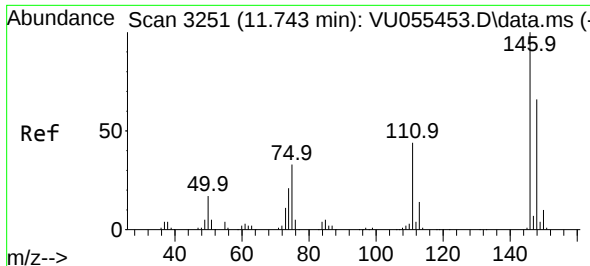
Tgt Ion:105 Resp: 403298

Ion Ratio Lower Upper

105 100

120 43.8 34.9 52.3

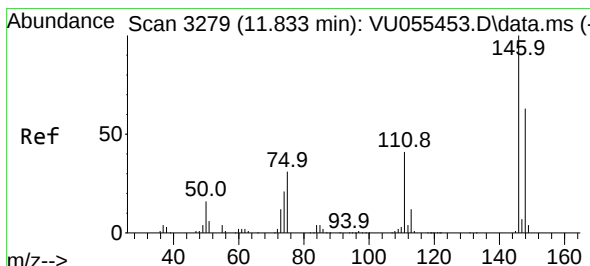
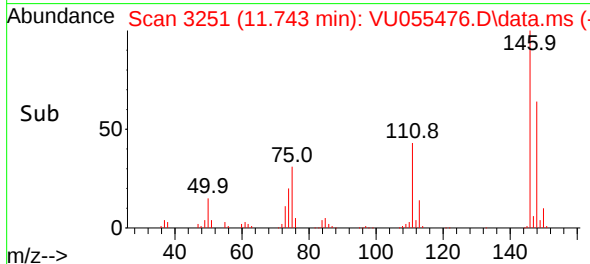
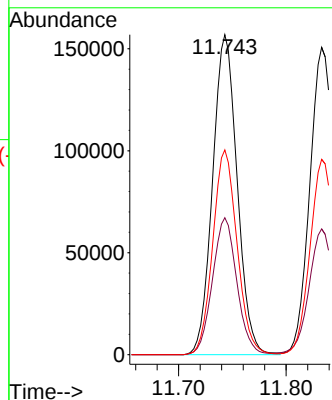
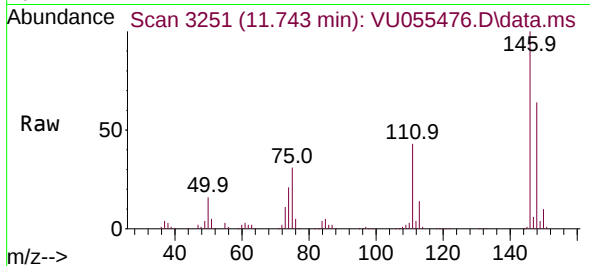




#64
1,3-Dichlorobenzene
Concen: 4.747 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

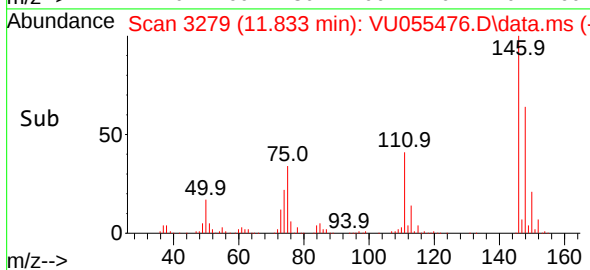
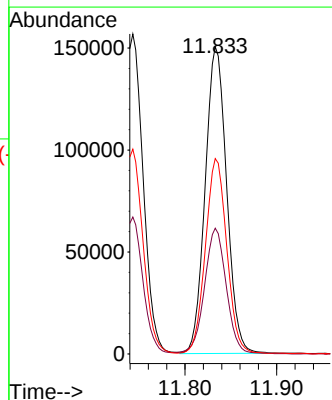
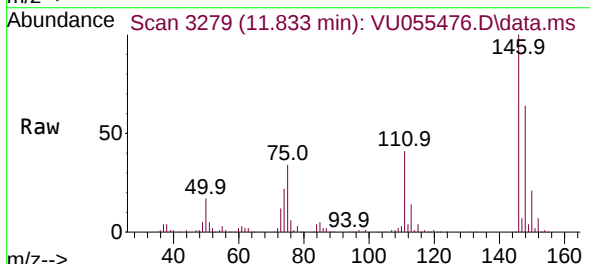
Instrument :
MSVOA_U
ClientSampleId :

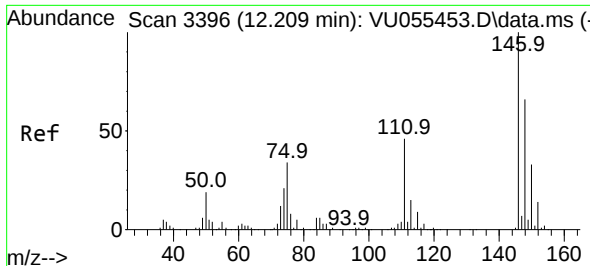
Tgt Ion:146 Resp: 248572
Ion Ratio Lower Upper
146 100
111 42.8 28.8 53.6
148 64.0 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 4.672 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055476.D
Acq: 22 Sep 2023 21:54

Tgt Ion:146 Resp: 244522
Ion Ratio Lower Upper
146 100
111 40.9 29.0 53.8
148 63.6 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 4.744 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

ClientSampleId :

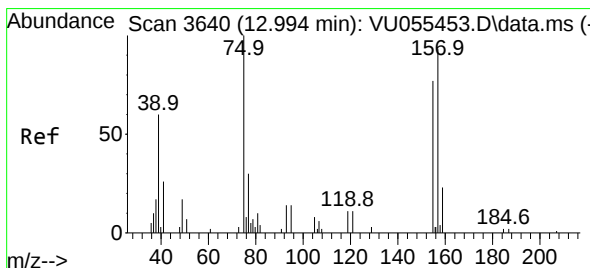
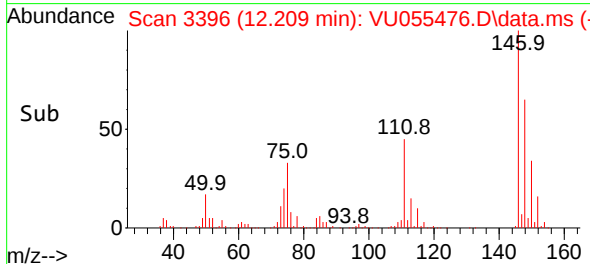
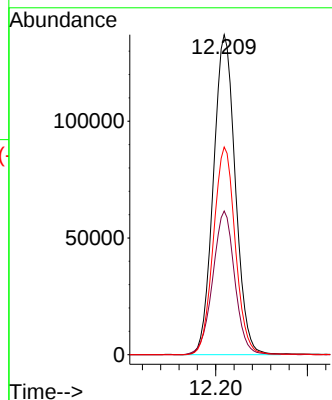
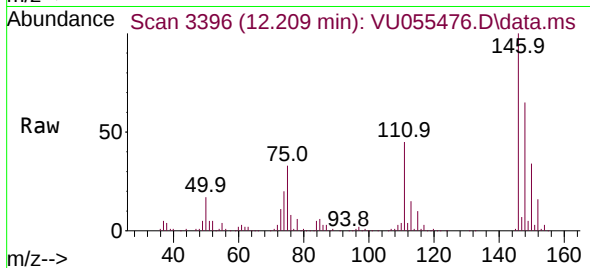
Tgt Ion:146 Resp: 227760

Ion Ratio Lower Upper

146 100

111 44.9 34.6 52.0

148 64.9 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.240 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

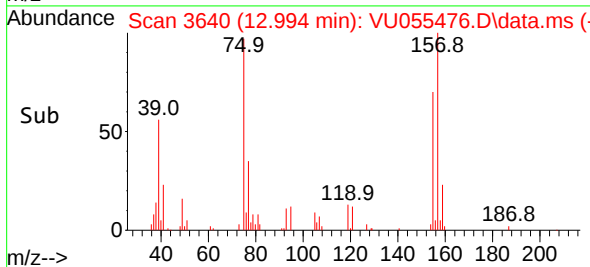
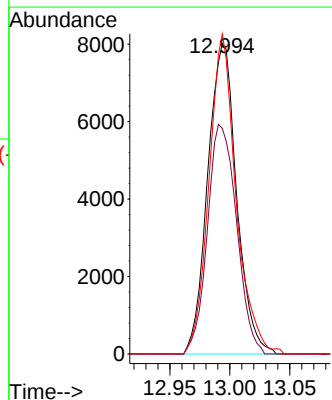
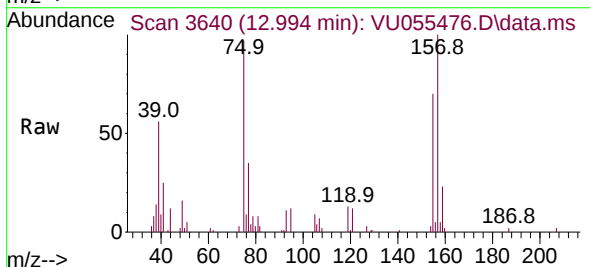
Tgt Ion: 75 Resp: 13454

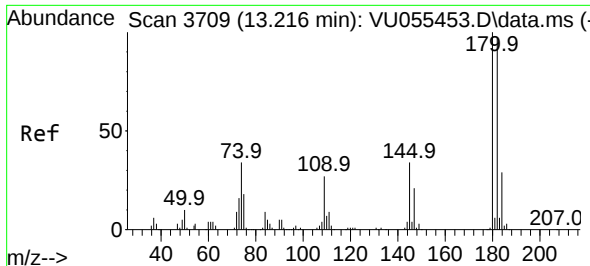
Ion Ratio Lower Upper

75 100

155 72.6 69.2 103.8

157 103.0 81.9 122.9





#69

1,3,5-Trichlorobenzene

Concen: 4.550 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

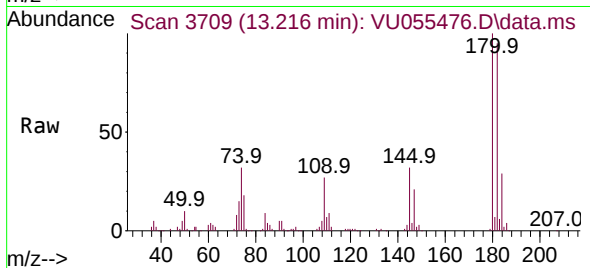
Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 164072

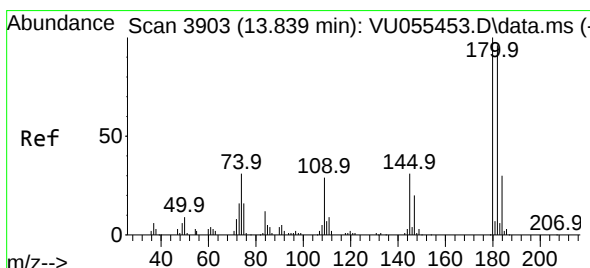
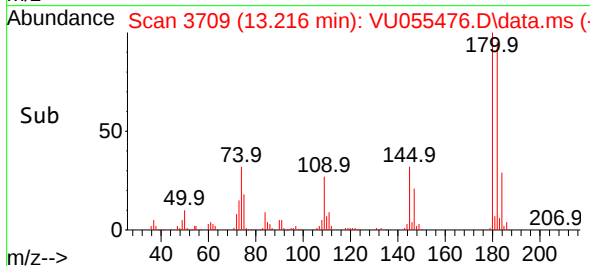
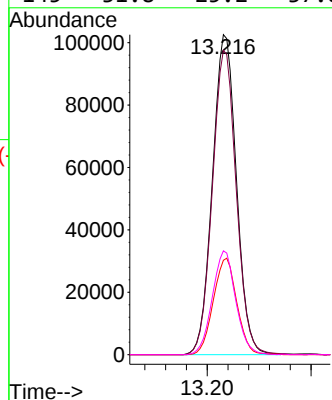
Ion Ratio Lower Upper

180 100

182 95.0 77.1 115.7

184 29.6 24.0 36.0

145 31.8 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.382 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.003 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

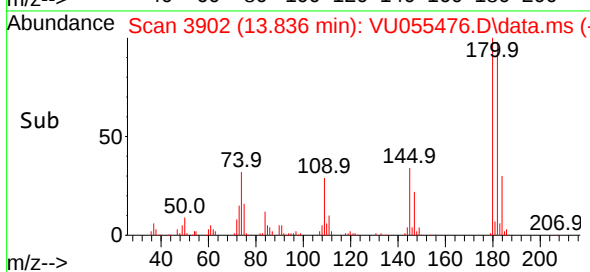
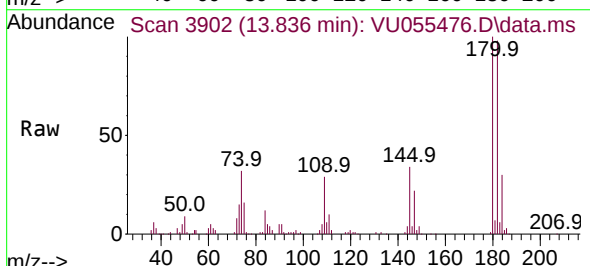
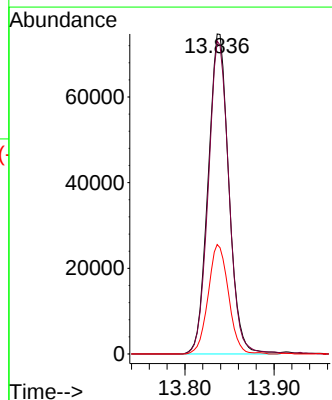
Tgt Ion:180 Resp: 120458

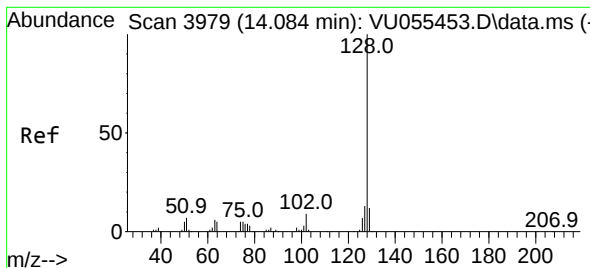
Ion Ratio Lower Upper

180 100

182 97.2 76.4 114.6

145 33.6 25.4 38.0





#71

Naphthalene

Concen: 4.250 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Instrument :

MSVOA_U

ClientSampleId :

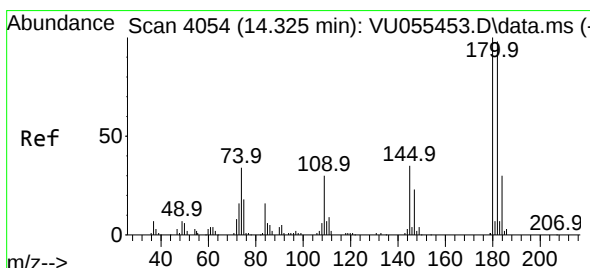
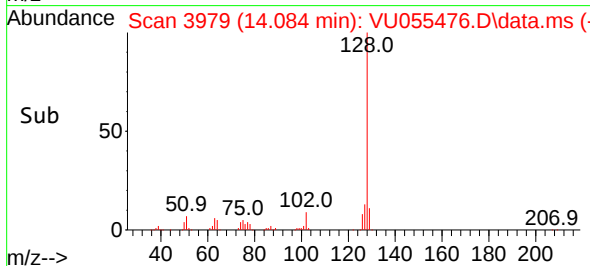
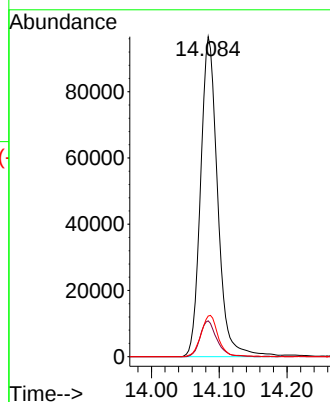
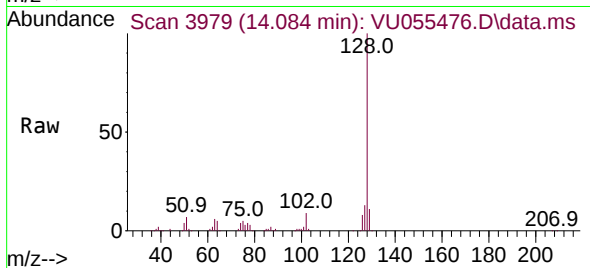
Tgt Ion:128 Resp: 169164

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

127 12.9 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.564 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU055476.D

Acq: 22 Sep 2023 21:54

Tgt Ion:180 Resp: 109192

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.4

145 34.4 26.0 39.0

