

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U020223\
 Data File : U052935.D
 Acq On : 02 Feb 2023 18:56
 Operator : JC/MD
 Sample : 01381-24MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 03 00:29:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 00:24:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	247010	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	244956	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	142460	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	66579	37.449	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.900%
7) Chloroethane-d5	1.903	69	65028	44.390	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.780%
11) 1,1-Dichloroethene-d2	2.559	63	152465	43.116	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.240%
21) 2-Butanone-d5	4.626	46	84155	76.624	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.620%
24) Chloroform-d	5.057	84	163796	43.169	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.340%
26) 1,2-Dichloroethane-d4	5.694	65	109440	45.173	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.340%
32) Benzene-d6	5.719	84	320462	42.821	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.640%
36) 1,2-Dichloropropane-d6	6.684	67	93514	42.605	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.220%
41) Toluene-d8	7.893	98	293863	43.122	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.240%
43) trans-1,3-Dichloroprop...	8.176	79	48393	43.989	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.980%
47) 2-Hexanone-d5	8.649	63	64296	83.369	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.370%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	137056	42.263	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.520%
66) 1,2-Dichlorobenzene-d4	11.809	152	124287	44.931	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	103068	44.561	ug/L	97
3) Chloromethane	1.517	50	88268	46.271	ug/L	99
5) Vinyl chloride	1.604	62	99869	47.322	ug/L	98
6) Bromomethane	1.851	94	67674	50.847	ug/L	99
8) Chloroethane	1.922	64	65976	49.773	ug/L	99
9) Trichlorofluoromethane	2.121	101	174530	49.375	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	93256	46.805	ug/L	98
12) 1,1-Dichloroethene	2.568	96	86583	47.383	ug/L	96
13) Acetone	2.633	43	69129	51.536	ug/L	97
14) Carbon disulfide	2.784	76	237693	43.069	ug/L	99
15) Methyl Acetate	2.945	43	68989	38.172	ug/L	97
16) Methylene chloride	3.038	84	98767	45.438	ug/L	99
17) trans-1,2-Dichloroethene	3.343	96	90272	45.714	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	280668	48.337	ug/L	99
19) 1,1-Dichloroethane	3.861	63	160448	46.329	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	266972	126.626	ug/L	100
22) 2-Butanone	4.707	43	97889	68.275	ug/L	93
23) Bromochloromethane	4.967	128	55258	46.673	ug/L	99
25) Chloroform	5.080	83	187978	48.351	ug/L	98

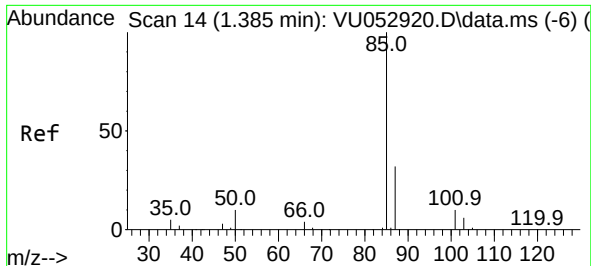
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020223\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	142060	46.156	ug/L	98
29) Cyclohexane	5.382	56	130523	44.966	ug/L	96
30) 1,1,1-Trichloroethane	5.308	97	165858	46.032	ug/L	99
31) Carbon tetrachloride	5.517	117	145402	46.552	ug/L	99
33) Benzene	5.768	78	400974	48.088	ug/L	100
34) Trichloroethene	6.536	95	236290	111.491	ug/L	97
35) Methylcyclohexane	6.758	83	151760	45.242	ug/L	98
37) 1,2-Dichloropropane	6.784	63	93499	45.609	ug/L	99
38) Bromodichloromethane	7.102	83	135773	45.133	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	149582	46.580	ug/L	99
40) 4-Methyl-2-pentanone	7.806	43	200064	82.836	ug/L	99
42) Toluene	7.964	91	396896	46.444	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	144629	45.829	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	96105	45.844	ug/L	99
46) Tetrachloroethene	8.549	164	82456	45.183	ug/L	98
48) 2-Hexanone	8.697	43	156182	76.440	ug/L	96
49) Dibromochloromethane	8.809	129	115018	45.879	ug/L	98
50) 1,2-Dibromoethane	8.919	107	104280	46.218	ug/L	94
51) Chlorobenzene	9.443	112	1022346	173.885	ug/L	98
52) Ethylbenzene	9.568	91	444828	48.708	ug/L	100
53) m,p-Xylene	9.690	106	180722	48.881	ug/L	99
54) o-xylene	10.099	106	175798	49.808	ug/L	97
55) Styrene	10.112	104	303628	50.132	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.784	83	150385	44.327	ug/L	100
59) Bromoform	10.292	173	88326	45.245	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	117890	42.662	ug/L	99
61) Isopropylbenzene	10.481	105	452155	49.143	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	389131	50.794	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	381575	51.472	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	240751	51.863	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	370334	77.062	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	957556	203.940	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	32063	40.479	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	167523	48.747	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	310194	107.661	ug/L	98
71) Naphthalene	14.082	128	435018	52.540	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	196141	64.416	ug/L	99

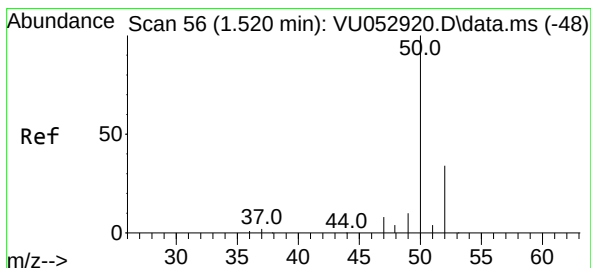
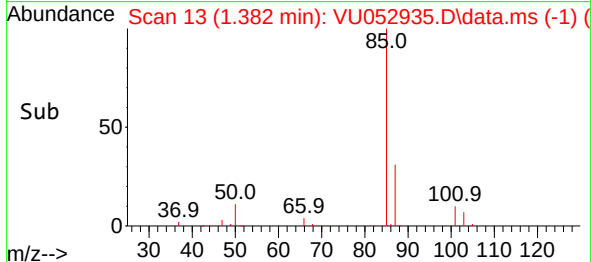
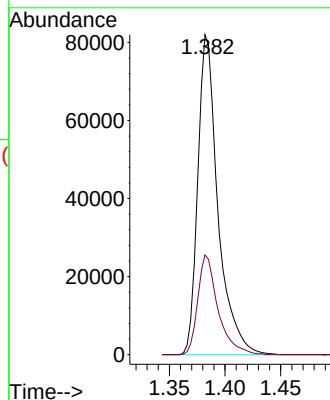
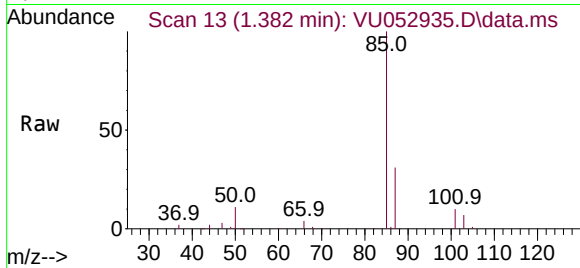
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#2
Dichlorodifluoromethane
Concen: 44.561 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

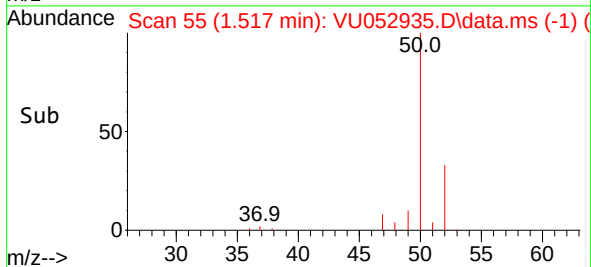
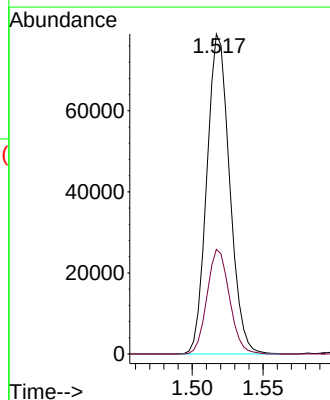
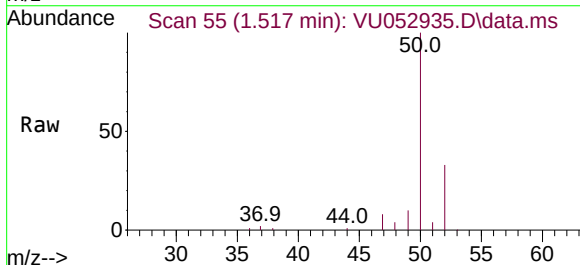
Instrument :
MSVOA_U
ClientSampleId :

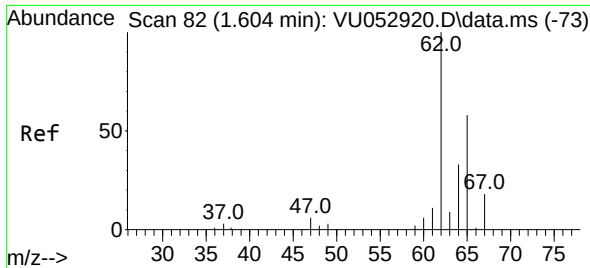
Tgt Ion: 85 Resp: 103068
Ion Ratio Lower Upper
85 100
87 31.3 26.4 39.6



#3
Chloromethane
Concen: 46.271 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

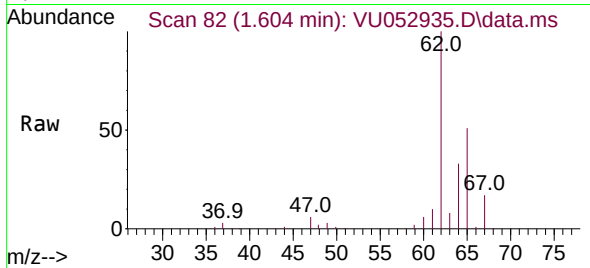
Tgt Ion: 50 Resp: 88268
Ion Ratio Lower Upper
50 100
52 32.7 23.4 43.4



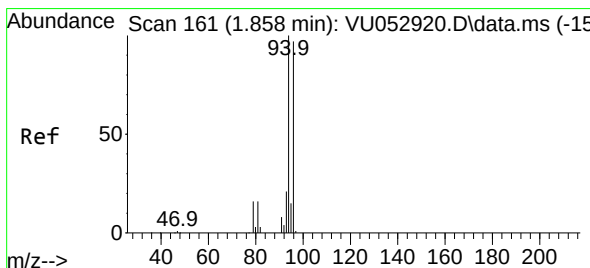
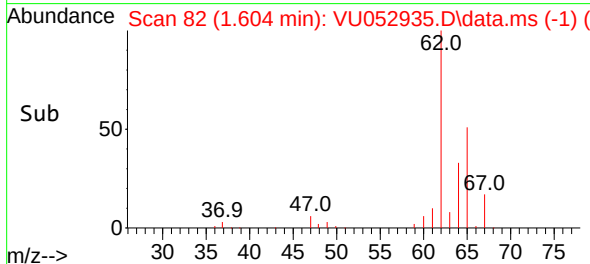
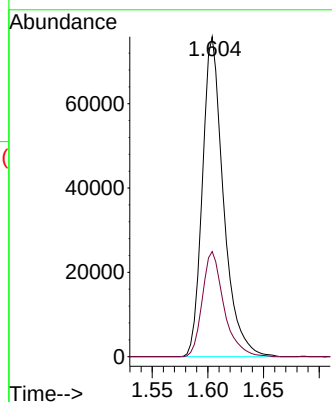


#5
 Vinyl chloride
 Concen: 47.322 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052935.D
 Acq: 02 Feb 2023 18:56

Instrument :
 MSVOA_U
 ClientSampleId :

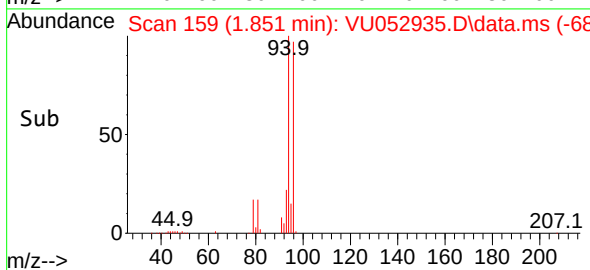
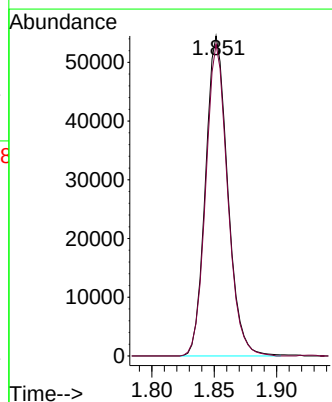
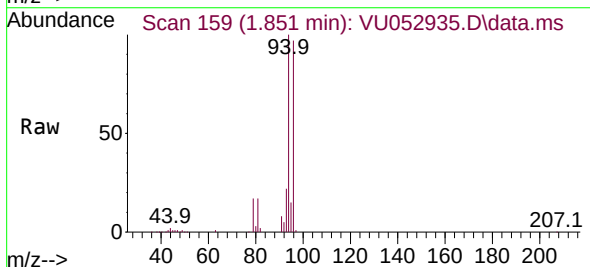


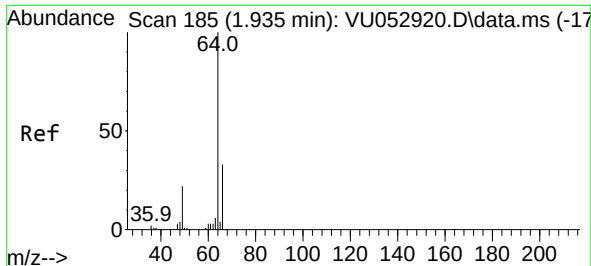
Tgt Ion: 62 Resp: 99869
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.4 41.6



#6
 Bromomethane
 Concen: 50.847 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.007 min
 Lab File: VU052935.D
 Acq: 02 Feb 2023 18:56

Tgt Ion: 94 Resp: 67674
 Ion Ratio Lower Upper
 94 100
 96 97.4 67.8 125.8

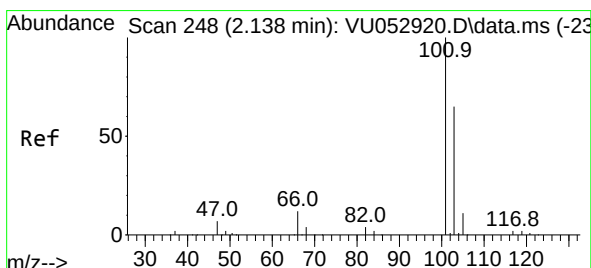
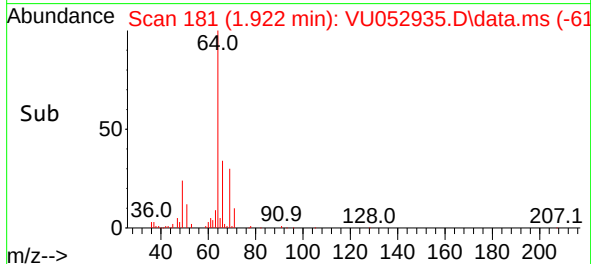
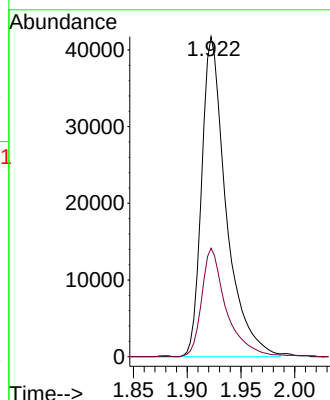
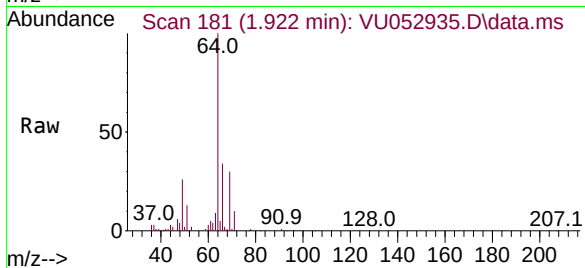




#8
Chloroethane
Concen: 49.773 ug/L
RT: 1.922 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

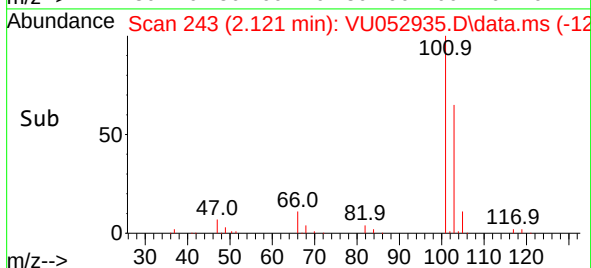
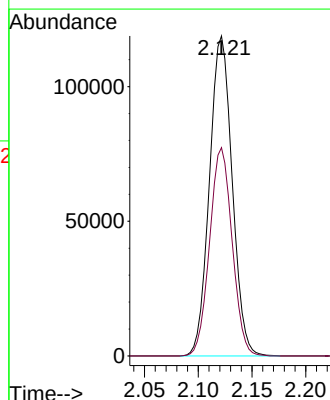
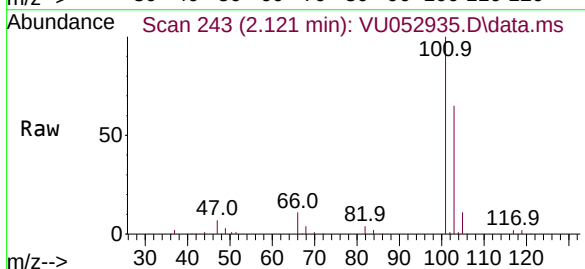
Instrument :
MSVOA_U
ClientSampleId :

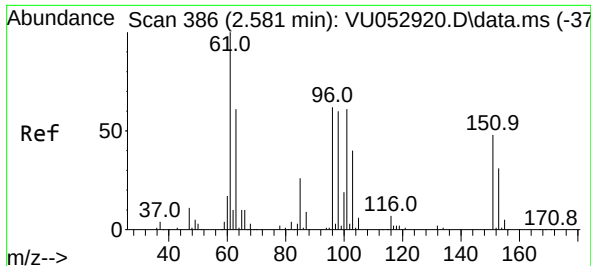
Tgt Ion: 64 Resp: 65976
Ion Ratio Lower Upper
64 100
66 33.9 24.1 44.7



#9
Trichlorofluoromethane
Concen: 49.375 ug/L
RT: 2.121 min Scan# 243
Delta R.T. -0.016 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

Tgt Ion:101 Resp: 174530
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0





#10

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

Concen: 46.805 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.013 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

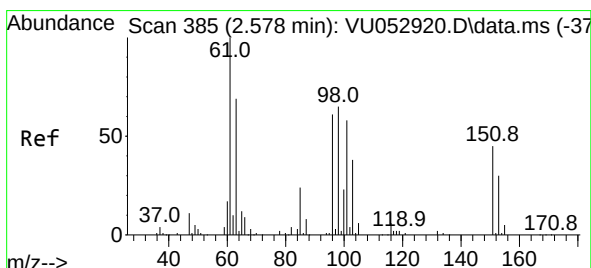
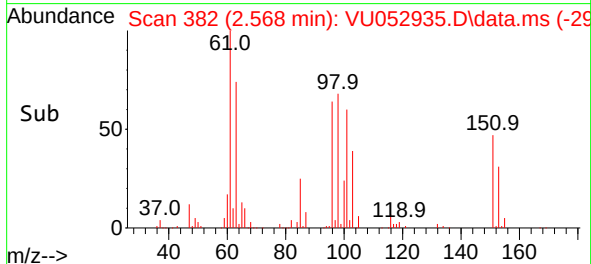
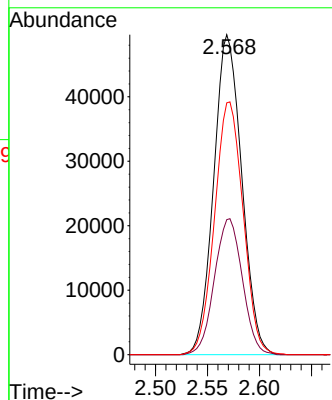
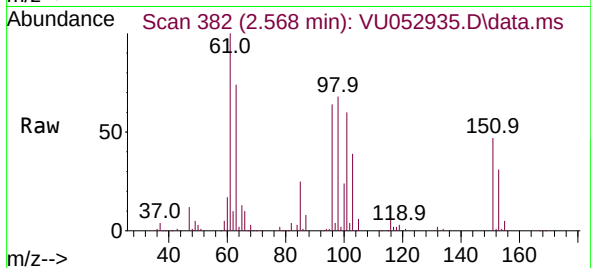
Tgt Ion:101 Resp: 93256

Ion Ratio Lower Upper

101 100

85 42.2 32.9 49.3

151 80.3 62.6 94.0



#12

1,1-Dichloroethene

Concen: 47.383 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.010 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

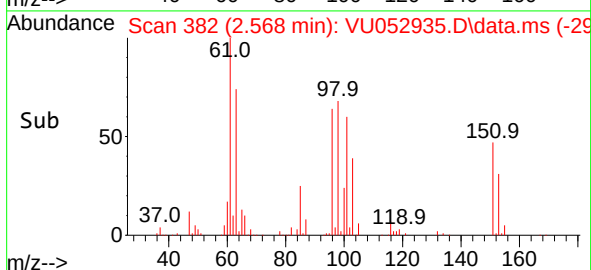
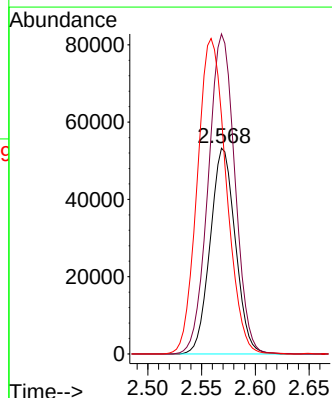
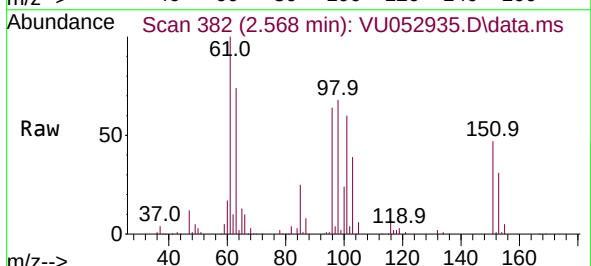
Tgt Ion: 96 Resp: 86583

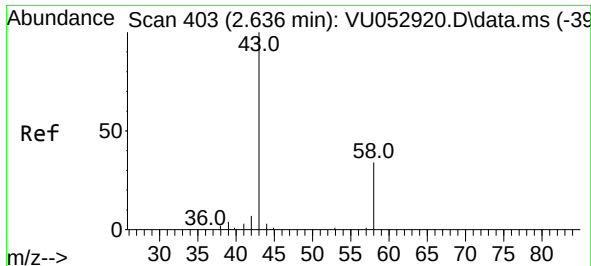
Ion Ratio Lower Upper

96 100

61 155.5 114.3 212.3

63 115.7 80.6 149.6





#13

Acetone

Concen: 51.536 ug/L

RT: 2.633 min Scan# 403

Delta R.T. -0.003 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

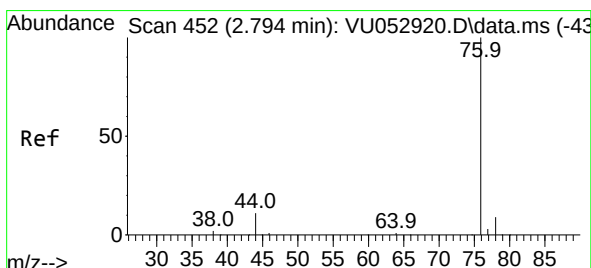
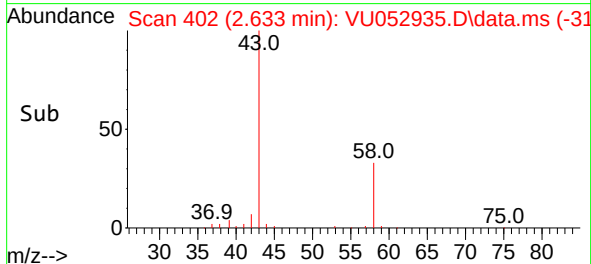
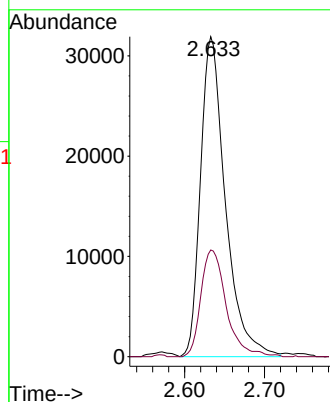
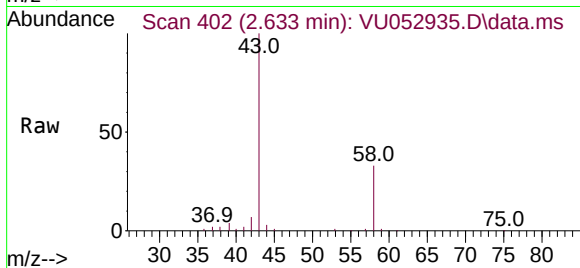
ClientSampleId :

Tgt Ion: 43 Resp: 69129

Ion Ratio Lower Upper

43 100

58 33.3 0.0 70.2



#14

Carbon disulfide

Concen: 43.069 ug/L

RT: 2.784 min Scan# 449

Delta R.T. -0.010 min

Lab File: VU052935.D

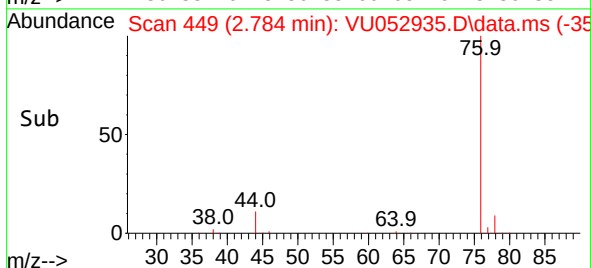
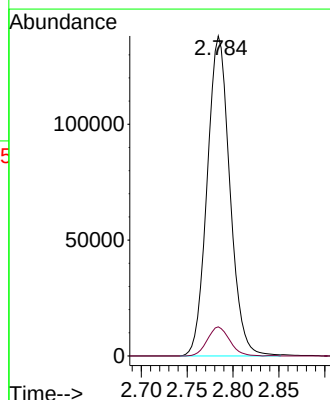
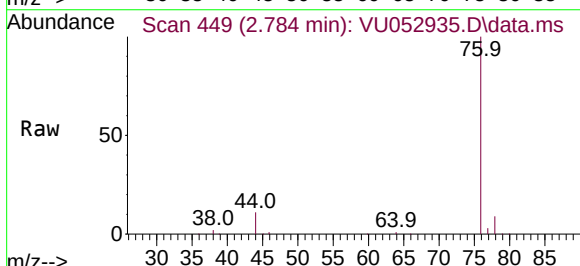
Acq: 02 Feb 2023 18:56

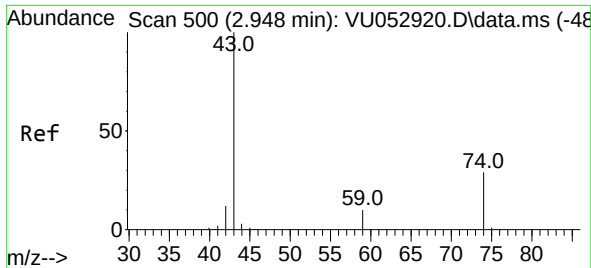
Tgt Ion: 76 Resp: 237693

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

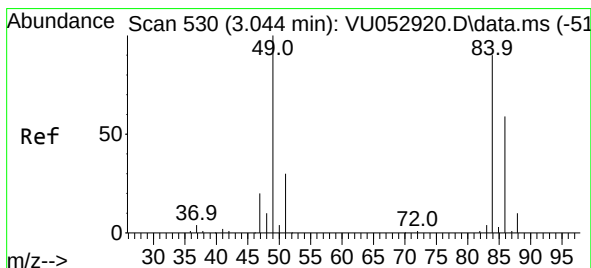
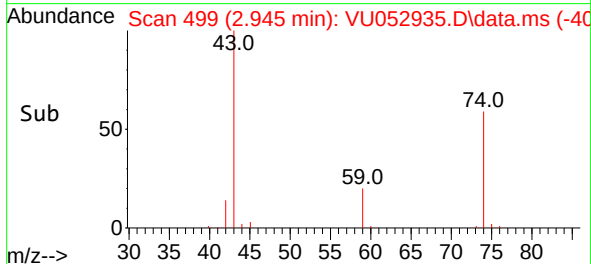
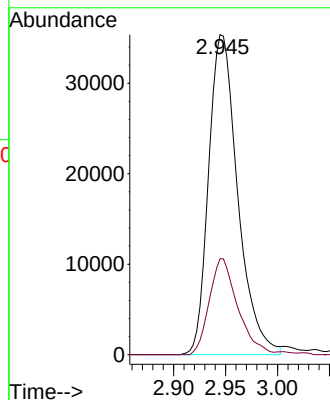
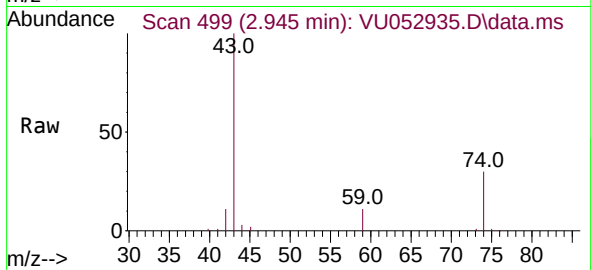




#15
Methyl Acetate
Concen: 38.172 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

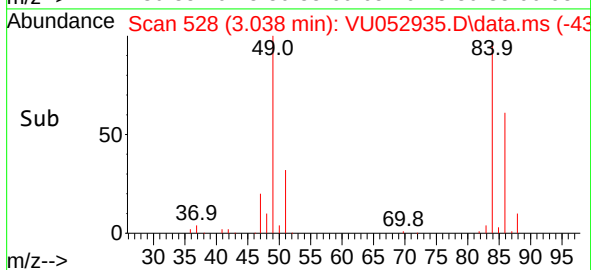
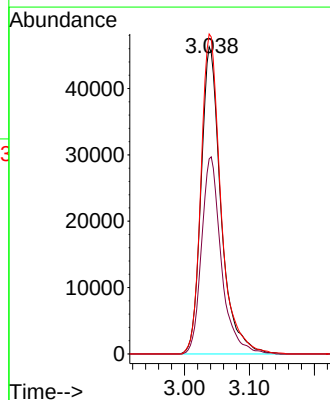
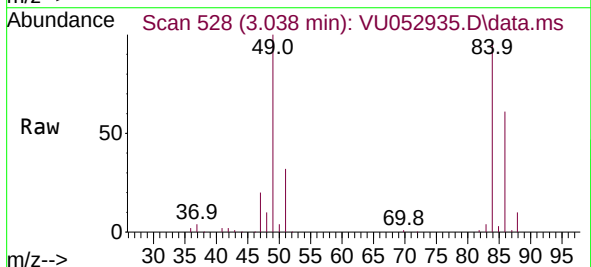
Instrument :
MSVOA_U
ClientSampleId :

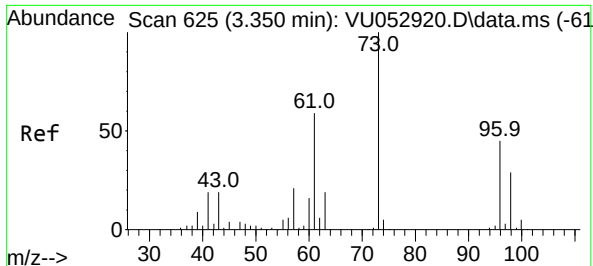
Tgt Ion: 43 Resp: 68989
Ion Ratio Lower Upper
43 100
74 29.2 22.0 33.0



#16
Methylene chloride
Concen: 45.438 ug/L
RT: 3.038 min Scan# 528
Delta R.T. -0.007 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

Tgt Ion: 84 Resp: 98767
Ion Ratio Lower Upper
84 100
86 63.5 43.4 80.6
49 104.2 72.4 134.5





#17

trans-1,2-Dichloroethene

Concen: 45.714 ug/L

RT: 3.343 min Scan# 61

Delta R.T. -0.007 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

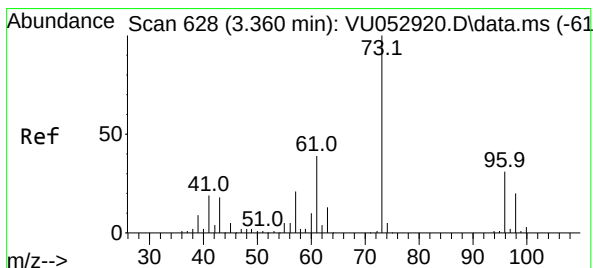
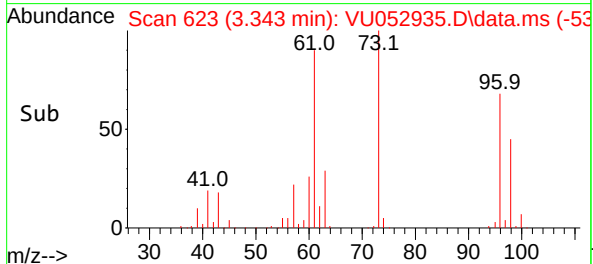
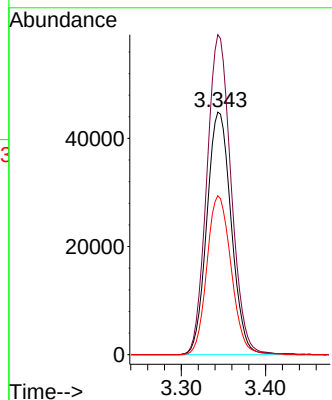
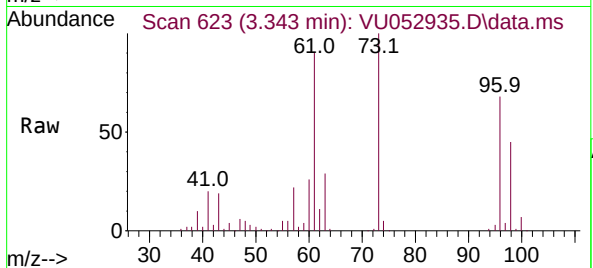
Tgt Ion: 96 Resp: 90272

Ion Ratio Lower Upper

96 100

61 131.9 92.7 172.3

98 65.5 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 48.337 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

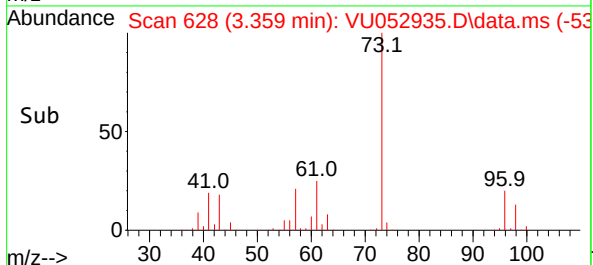
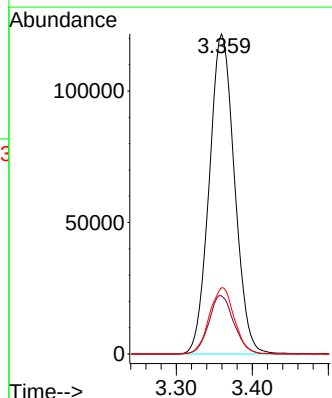
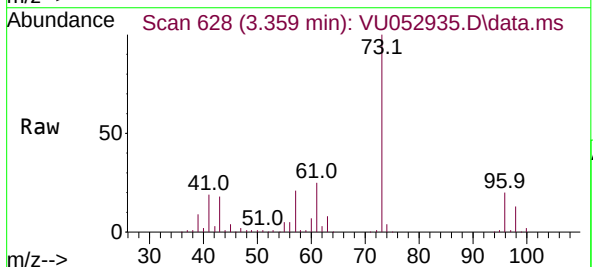
Tgt Ion: 73 Resp: 280668

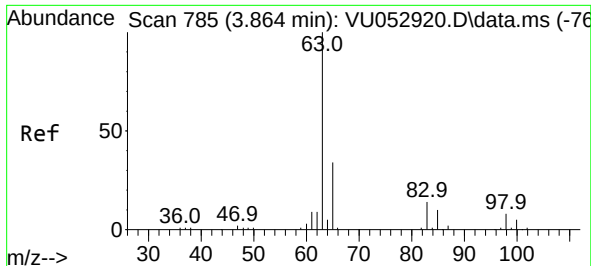
Ion Ratio Lower Upper

73 100

43 18.2 14.2 21.2

57 20.5 16.3 24.5





#19

1,1-Dichloroethane

Concen: 46.329 ug/L

RT: 3.861 min Scan# 784

Delta R.T. -0.003 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

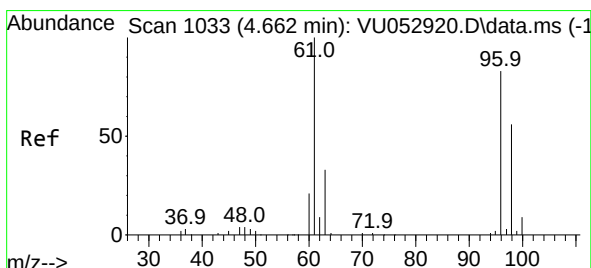
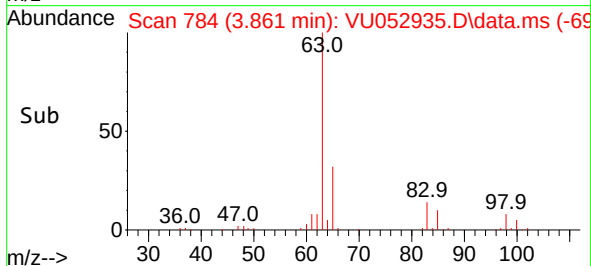
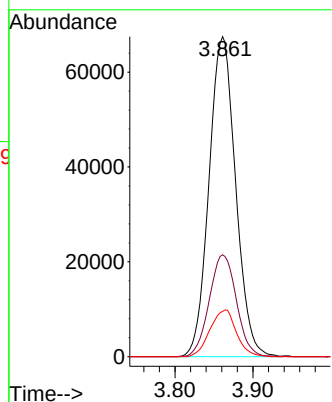
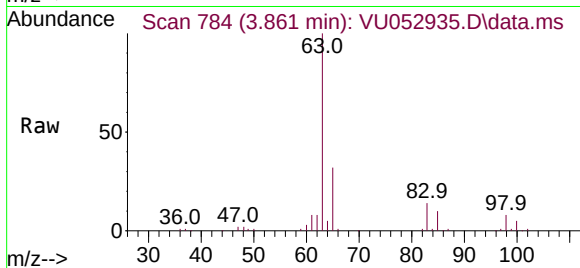
Tgt Ion: 63 Resp: 160448

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

83 14.2 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 126.626 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

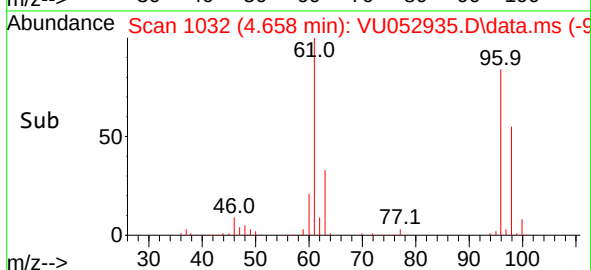
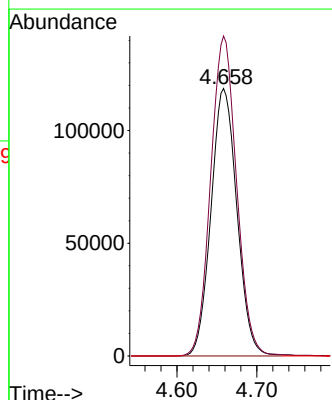
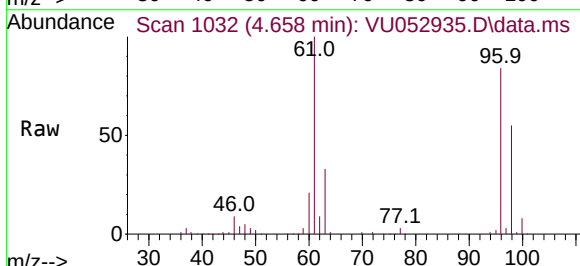
Tgt Ion: 96 Resp: 266972

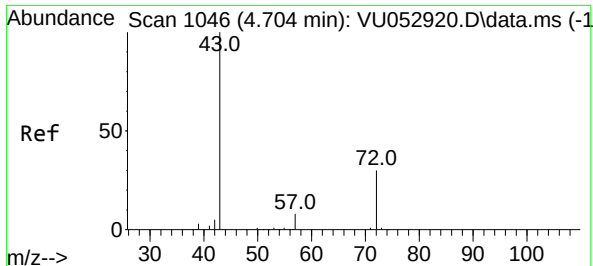
Ion Ratio Lower Upper

96 100

61 119.6 84.1 156.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 68.275 ug/L

RT: 4.707 min Scan# 1046

Delta R.T. 0.003 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

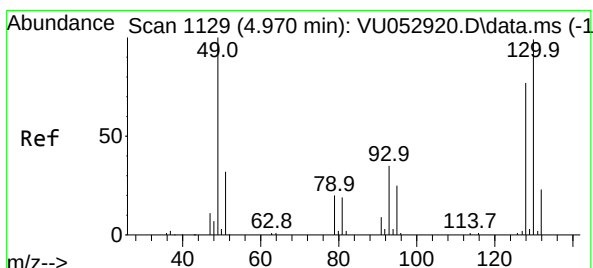
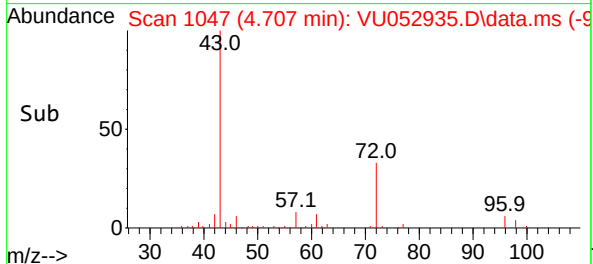
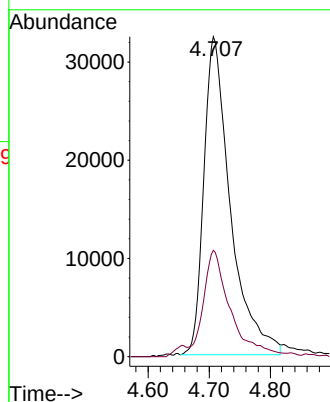
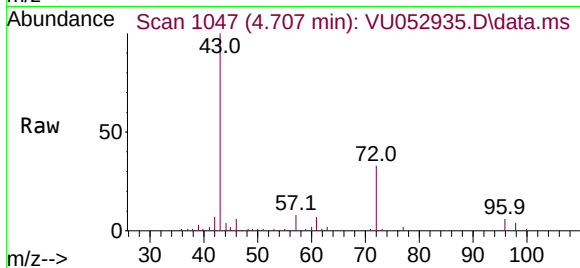
ClientSampleId :

Tgt Ion: 43 Resp: 97889

Ion Ratio Lower Upper

43 100

72 27.4 15.5 46.5



#23

Bromochloromethane

Concen: 46.673 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Tgt Ion: 128 Resp: 55258

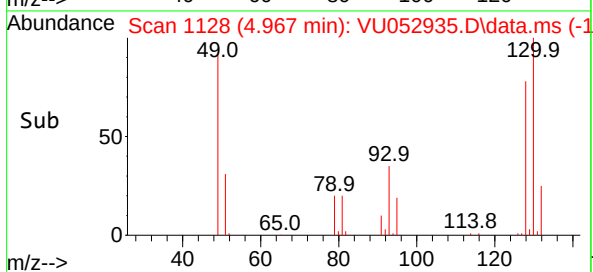
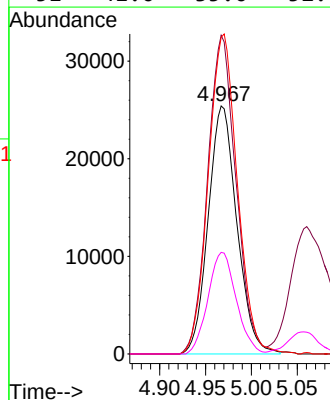
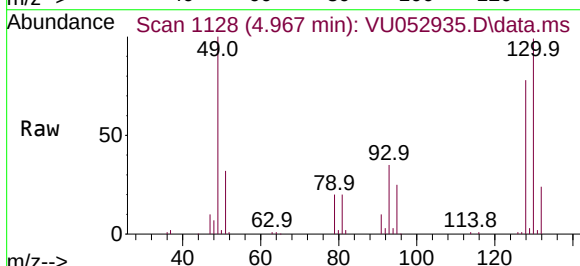
Ion Ratio Lower Upper

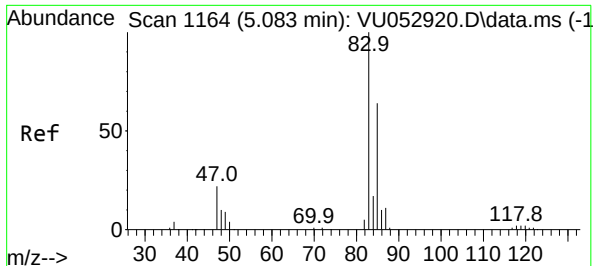
128 100

49 128.5 90.1 167.3

130 127.7 90.1 167.3

51 41.0 35.0 52.6





#25

Chloroform

Concen: 48.351 ug/L

RT: 5.080 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

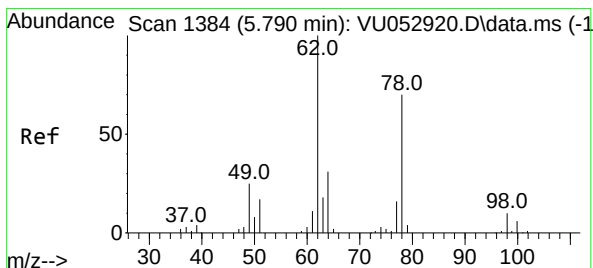
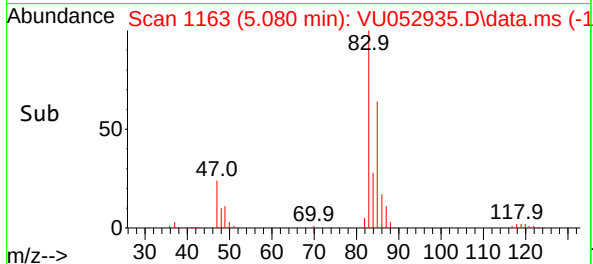
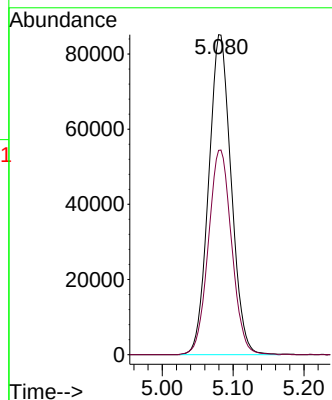
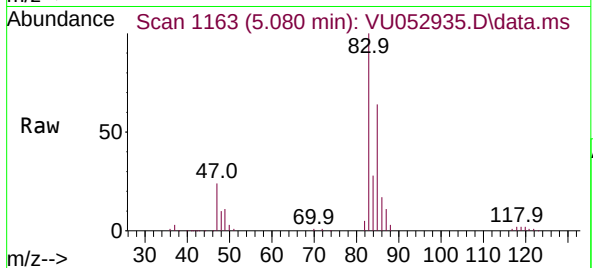
ClientSampleId :

Tgt Ion: 83 Resp: 187978

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.0



#27

1,2-Dichloroethane

Concen: 46.156 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU052935.D

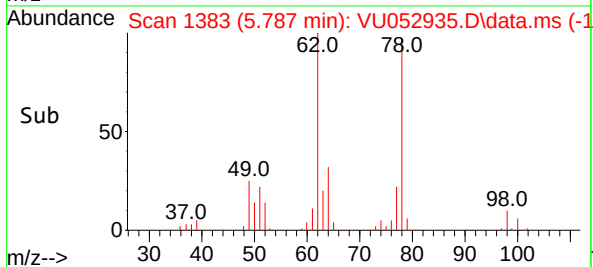
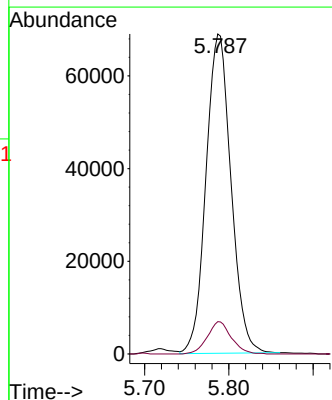
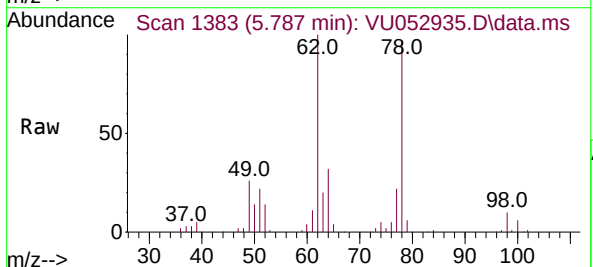
Acq: 02 Feb 2023 18:56

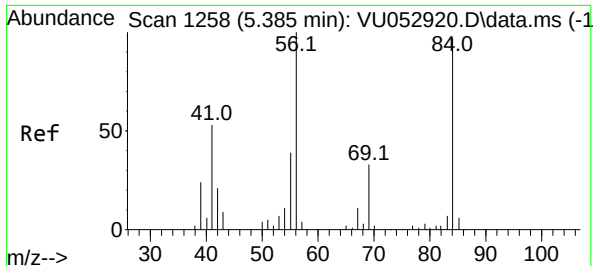
Tgt Ion: 62 Resp: 142060

Ion Ratio Lower Upper

62 100

98 10.1 7.6 11.4





#29

Cyclohexane

Concen: 44.966 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

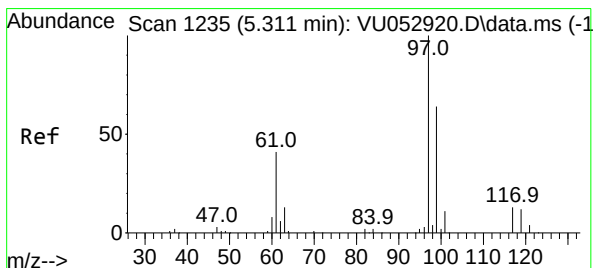
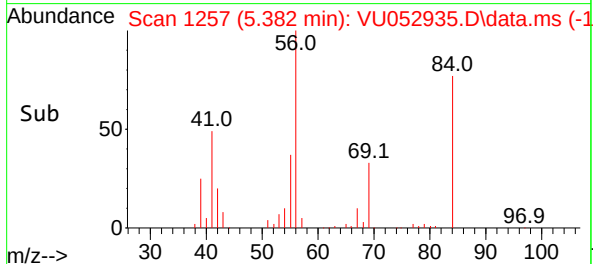
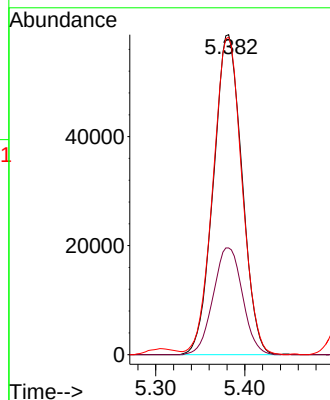
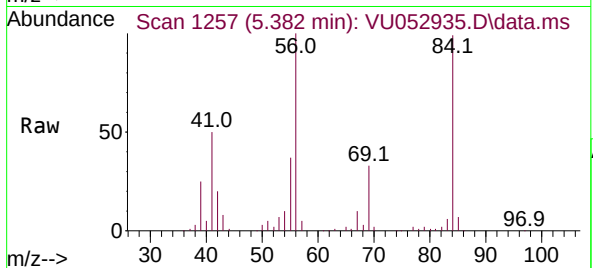
Tgt Ion: 56 Resp: 130523

Ion Ratio Lower Upper

56 100

69 34.3 26.6 40.0

84 100.6 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 46.032 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.003 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

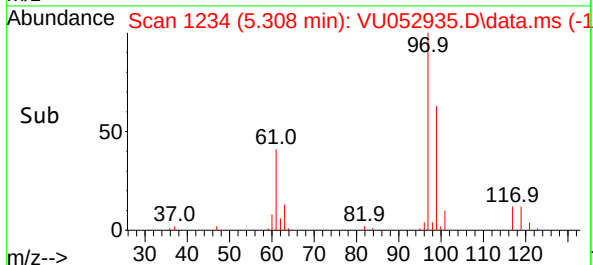
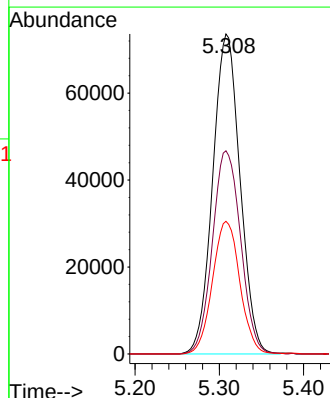
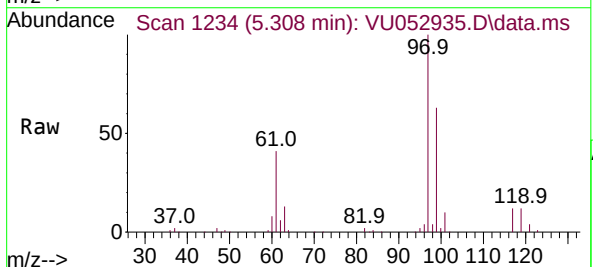
Tgt Ion: 97 Resp: 165858

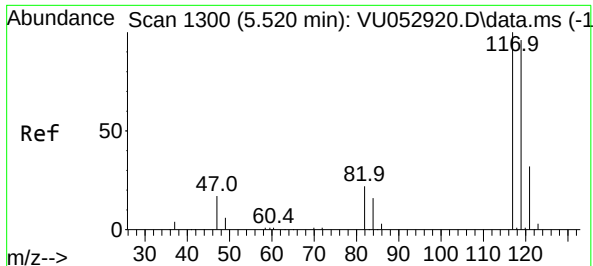
Ion Ratio Lower Upper

97 100

99 65.6 51.4 77.0

61 41.4 33.0 49.6

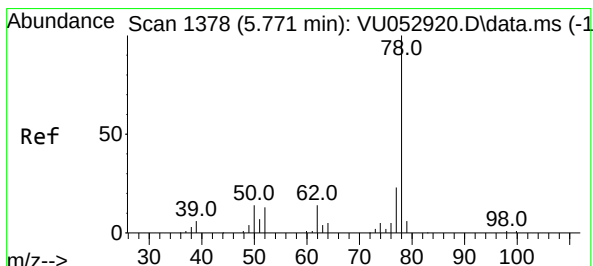
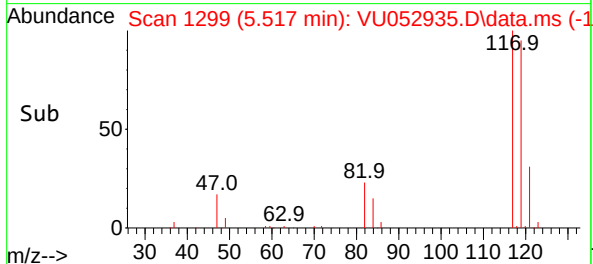
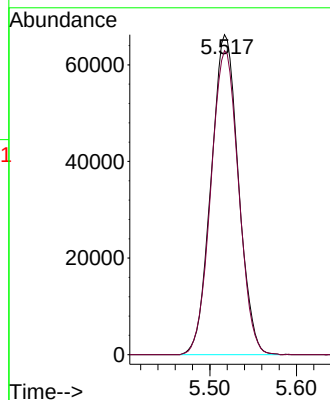
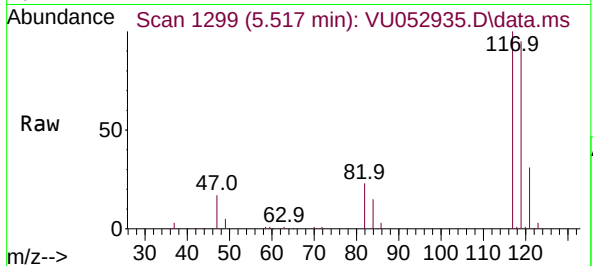




#31
Carbon tetrachloride
Concen: 46.552 ug/L
RT: 5.517 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

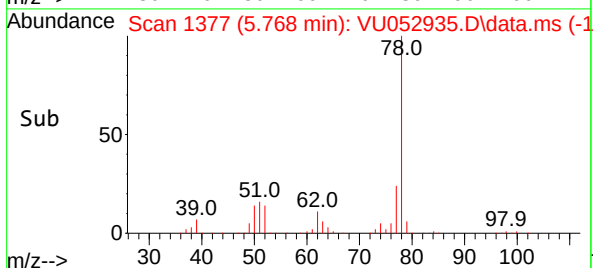
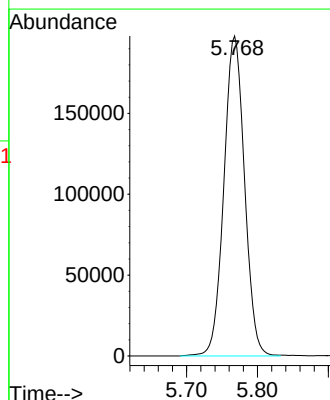
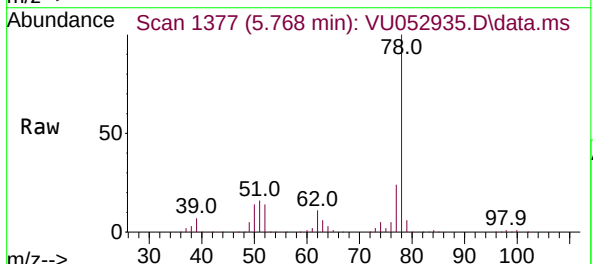
Instrument :
MSVOA_U
ClientSampleId :

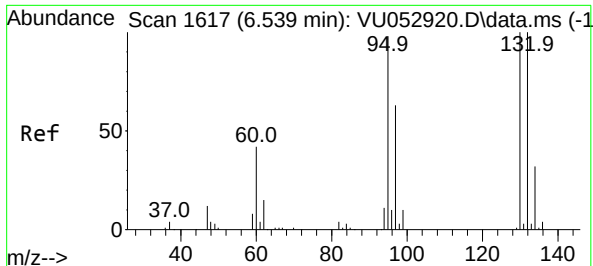
Tgt Ion:117 Resp: 145402
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.4



#33
Benzene
Concen: 48.088 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

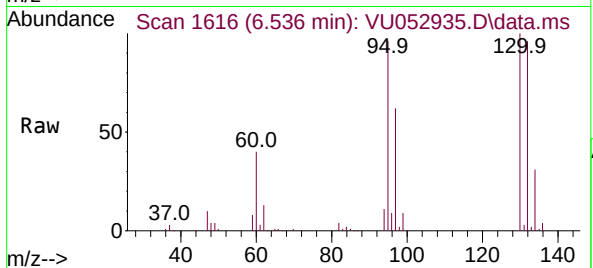
Tgt Ion: 78 Resp: 400974



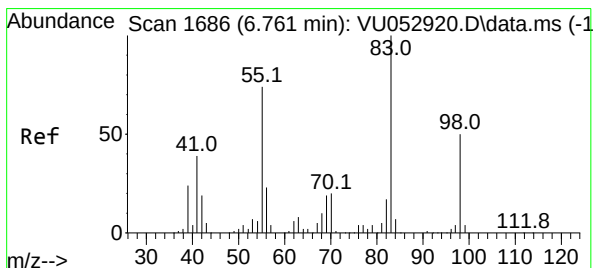
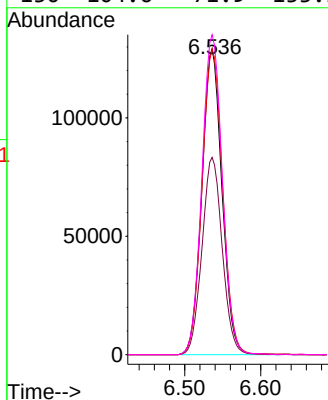
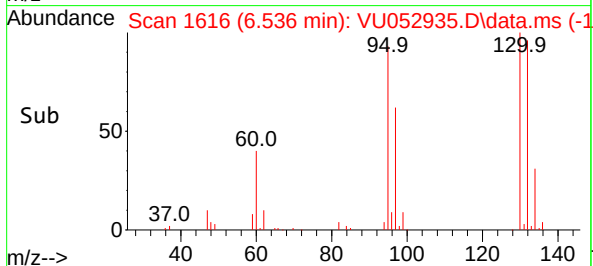


#34
Trichloroethene
Concen: 111.491 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

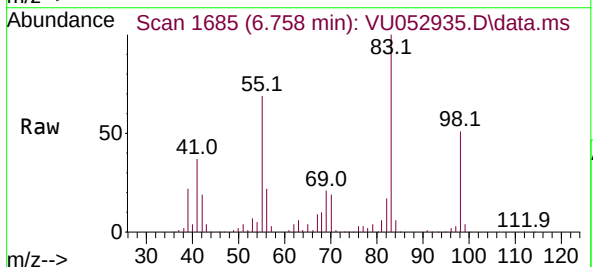
Instrument :
MSVOA_U
ClientSampleId :



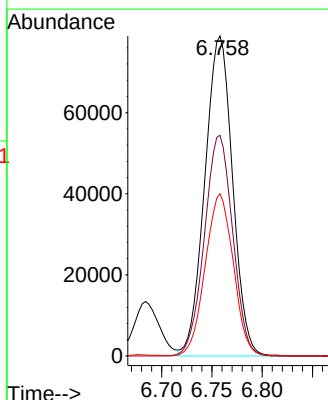
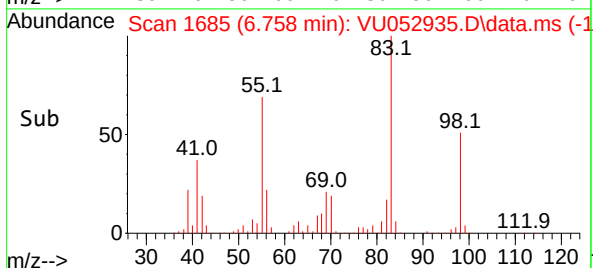
Tgt Ion: 95 Resp: 236290
Ion Ratio Lower Upper
95 100
97 64.5 44.5 82.7
132 99.9 66.8 124.0
130 104.6 71.9 133.5

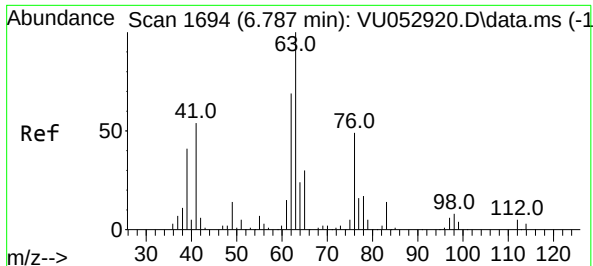


#35
Methylcyclohexane
Concen: 45.242 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56



Tgt Ion: 83 Resp: 151760
Ion Ratio Lower Upper
83 100
55 70.2 57.1 85.7
98 51.2 38.9 58.3





#37

1,2-Dichloropropane

Concen: 45.609 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

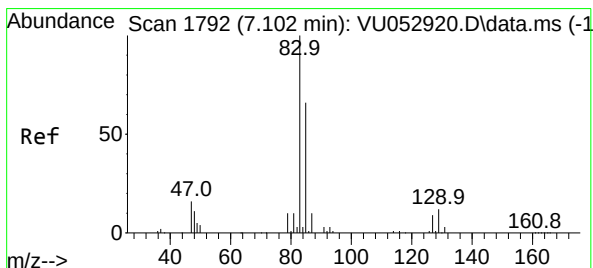
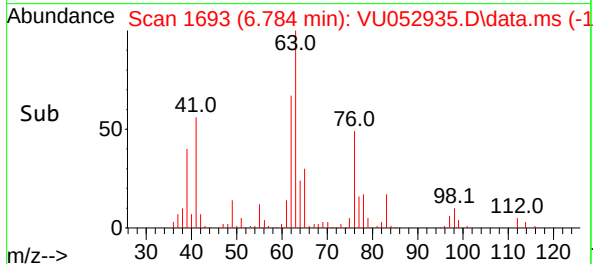
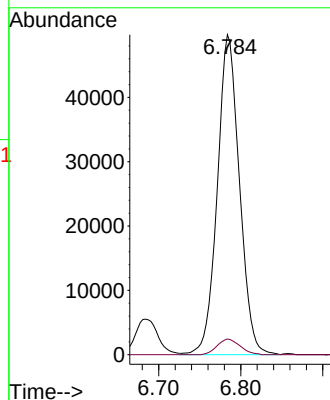
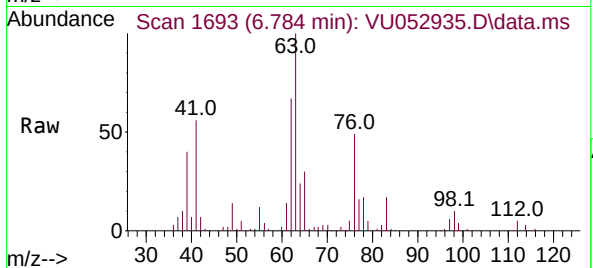
ClientSampleId :

Tgt Ion: 63 Resp: 93499

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



#38

Bromodichloromethane

Concen: 45.133 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

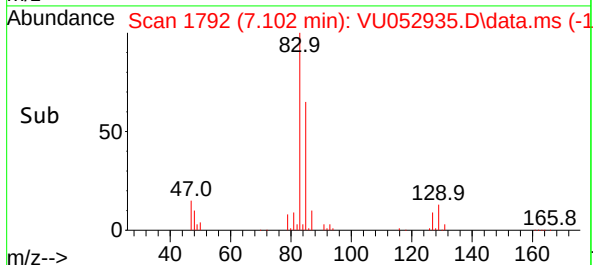
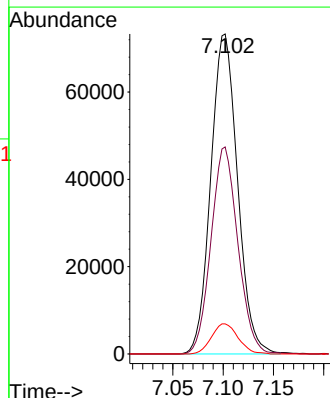
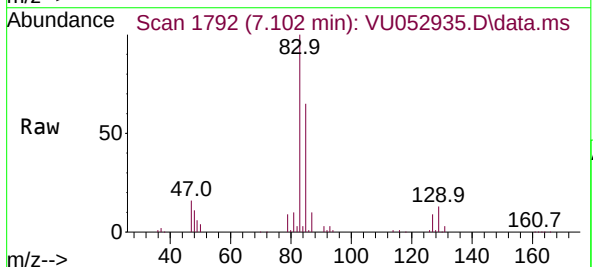
Tgt Ion: 83 Resp: 135773

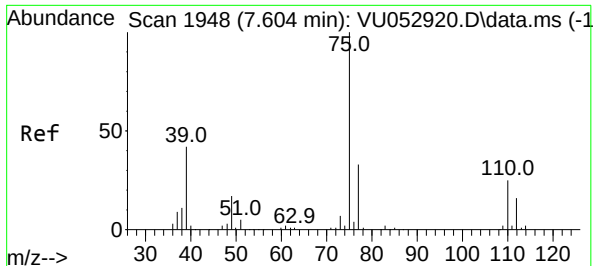
Ion Ratio Lower Upper

83 100

85 64.7 45.2 84.0

127 9.4 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 46.580 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

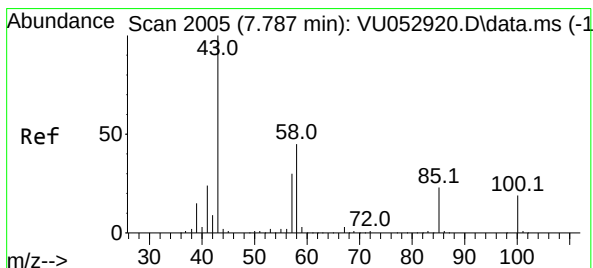
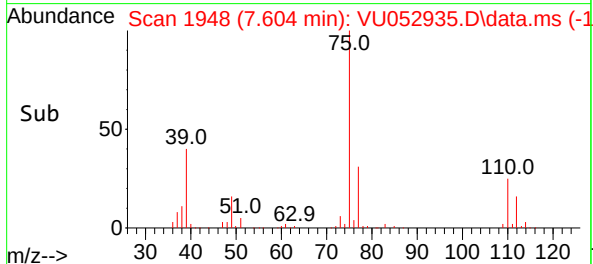
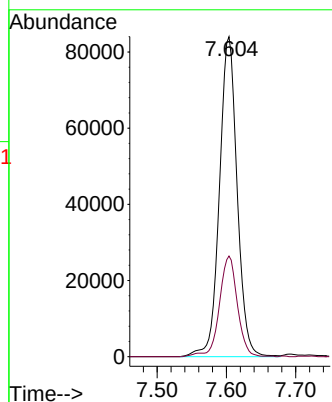
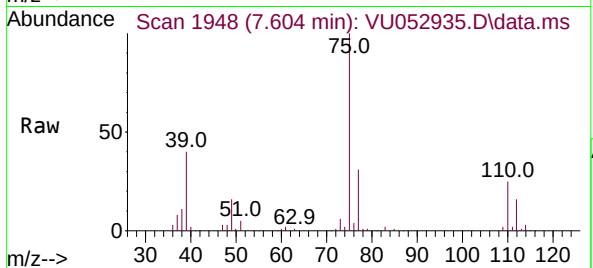
ClientSampleId :

Tgt Ion: 75 Resp: 149582

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 82.836 ug/L

RT: 7.806 min Scan# 2011

Delta R.T. 0.019 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

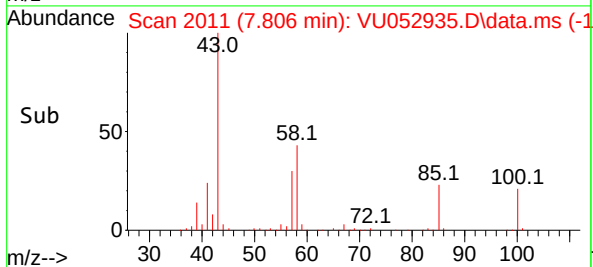
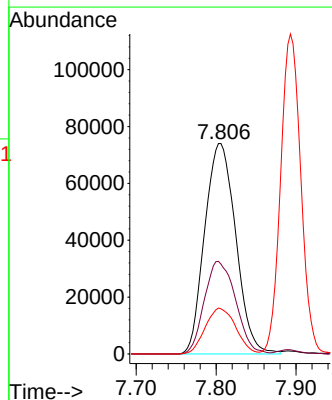
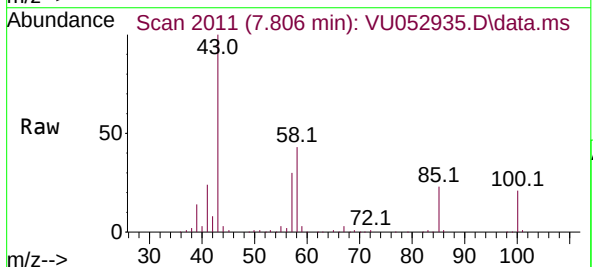
Tgt Ion: 43 Resp: 200064

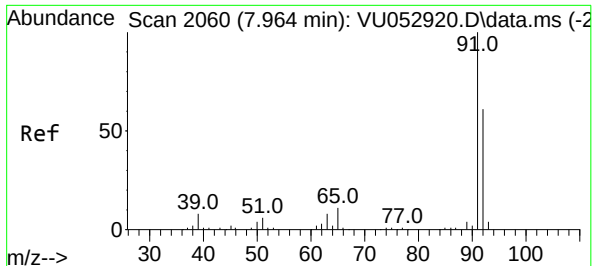
Ion Ratio Lower Upper

43 100

58 44.3 35.4 53.2

100 21.4 16.0 24.0





#42

Toluene

Concen: 46.444 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

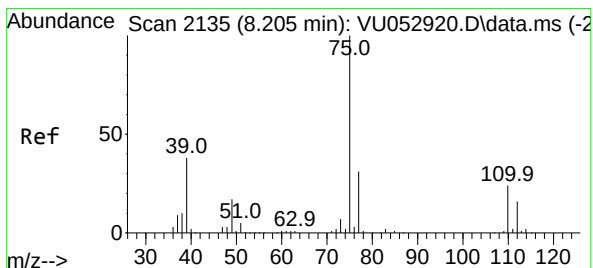
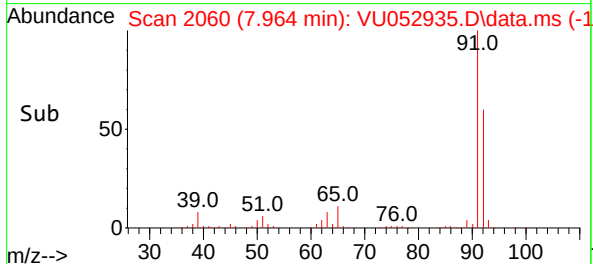
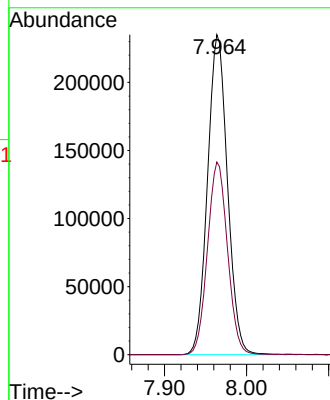
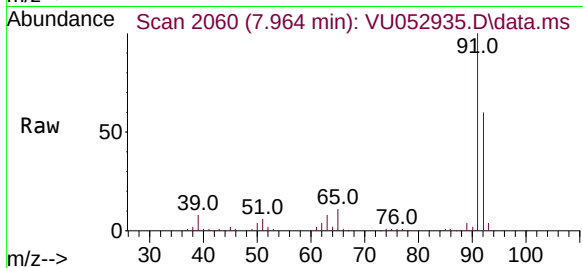
ClientSampleId :

Tgt Ion: 91 Resp: 396896

Ion Ratio Lower Upper

91 100

92 60.2 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 45.829 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU052935.D

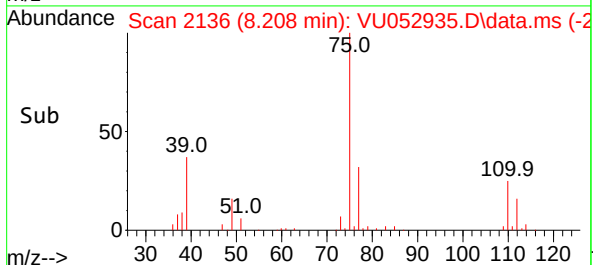
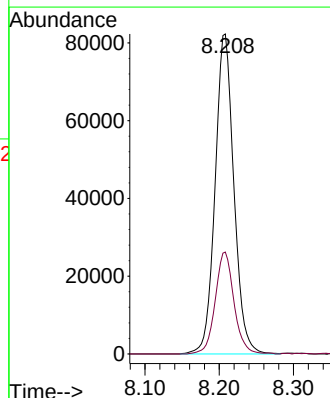
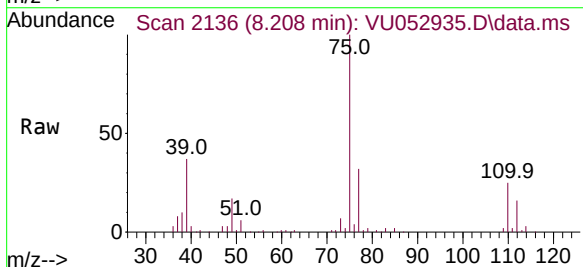
Acq: 02 Feb 2023 18:56

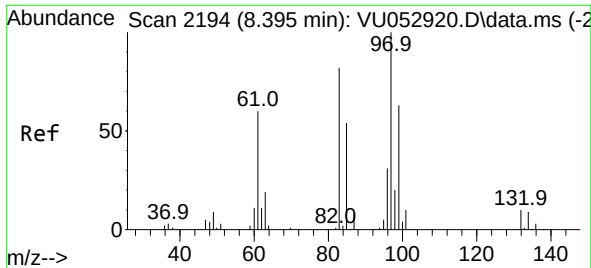
Tgt Ion: 75 Resp: 144629

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



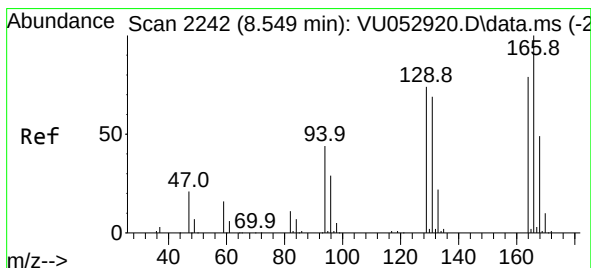
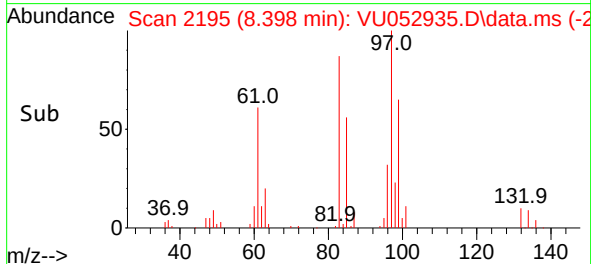
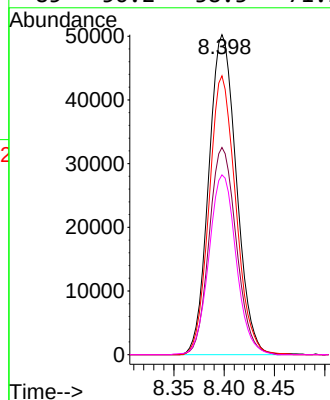
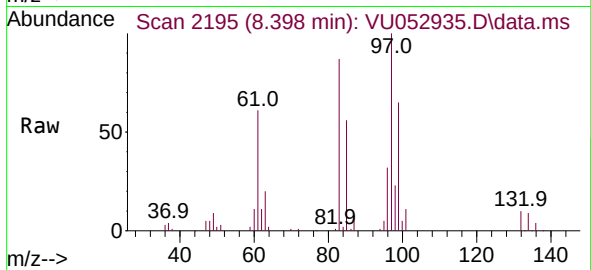


#45
1,1,2-Trichloroethane
Concen: 45.844 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 96105

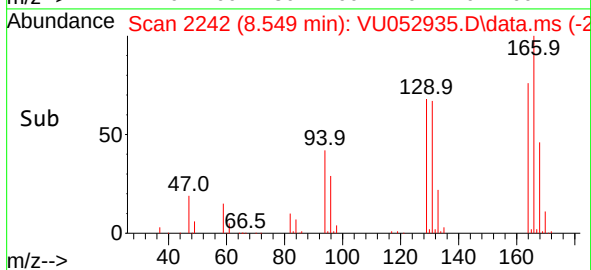
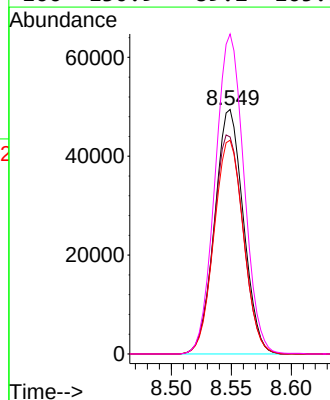
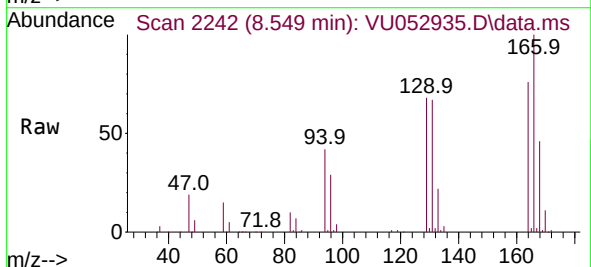
Ion	Ratio	Lower	Upper
97	100		
99	64.8	44.7	83.1
83	87.1	60.3	112.1
85	56.2	38.3	71.1

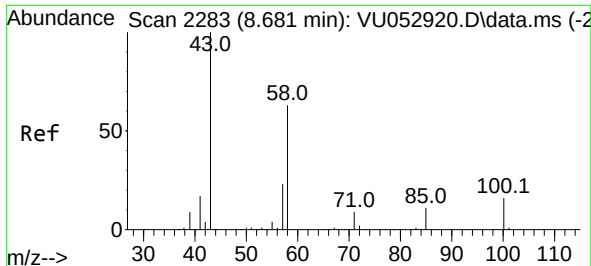


#46
Tetrachloroethene
Concen: 45.183 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

Tgt Ion: 164 Resp: 82456

Ion	Ratio	Lower	Upper
164	100		
129	88.7	64.8	120.3
131	87.4	61.2	113.6
166	130.9	89.2	165.8



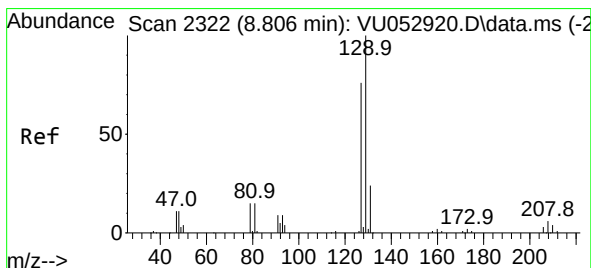
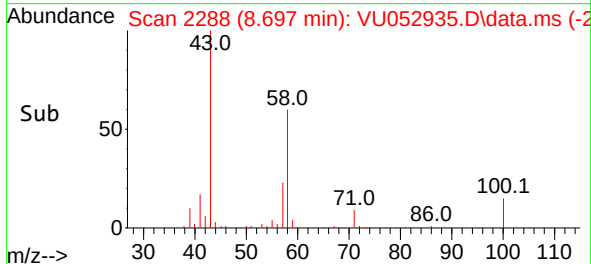
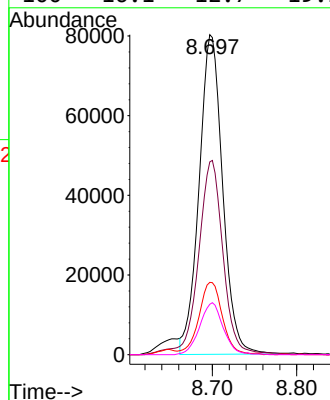
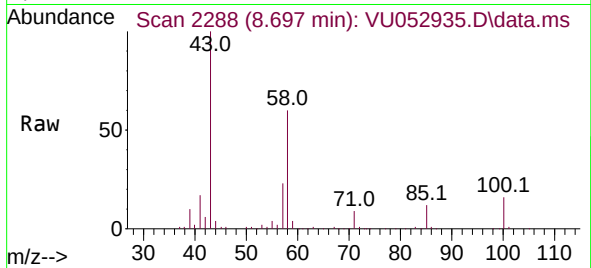


#48
2-Hexanone
Concen: 76.440 ug/L
RT: 8.697 min Scan# 21
Delta R.T. 0.016 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 156182

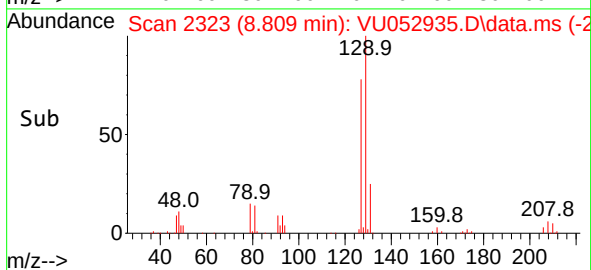
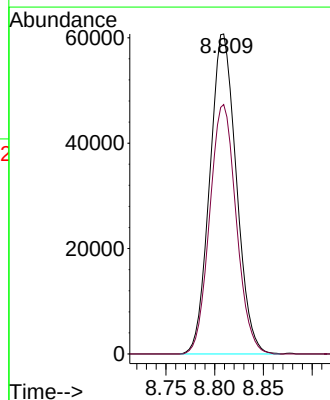
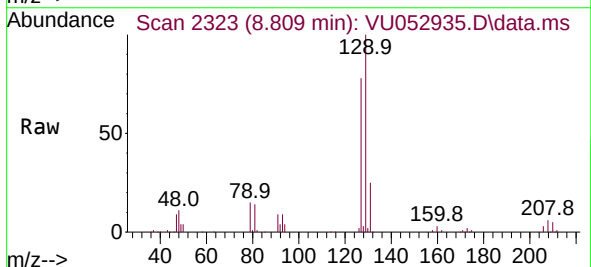
Ion	Ratio	Lower	Upper
43	100		
58	63.6	48.0	72.0
57	22.6	16.8	25.2
100	16.1	12.7	19.1

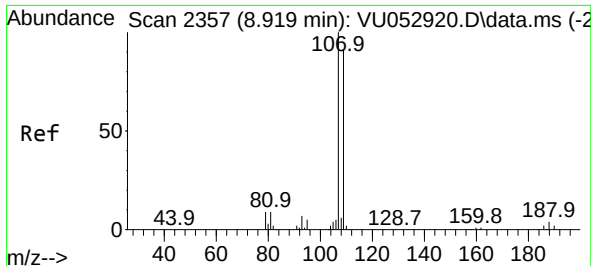


#49
Dibromochloromethane
Concen: 45.879 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

Tgt Ion: 129 Resp: 115018

Ion	Ratio	Lower	Upper
129	100		
127	78.0	53.2	98.8





#50

1,2-Dibromoethane

Concen: 46.218 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

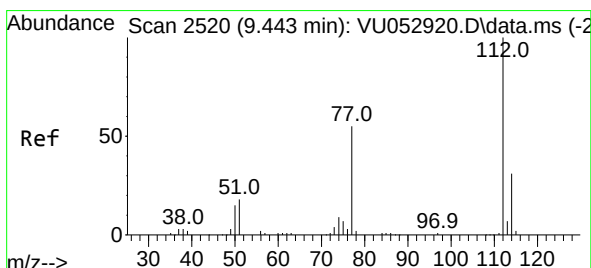
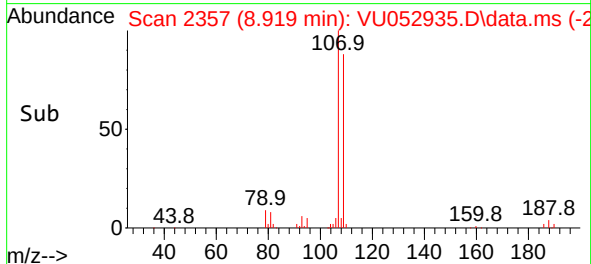
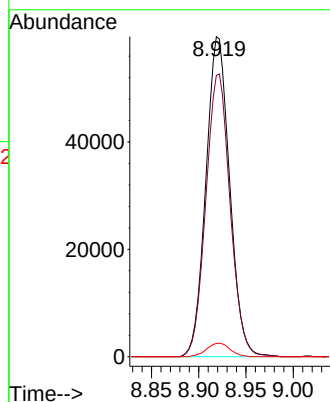
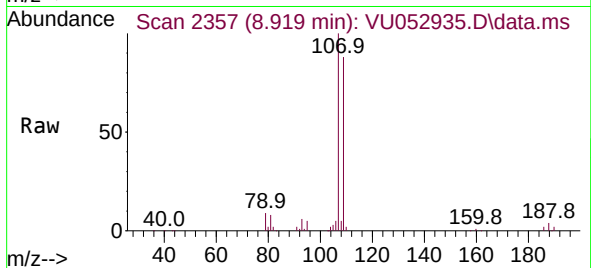
Tgt Ion:107 Resp: 104280

Ion Ratio Lower Upper

107 100

109 87.9 65.5 121.6

188 4.2 3.2 4.8



#51

Chlorobenzene

Concen: 173.885 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

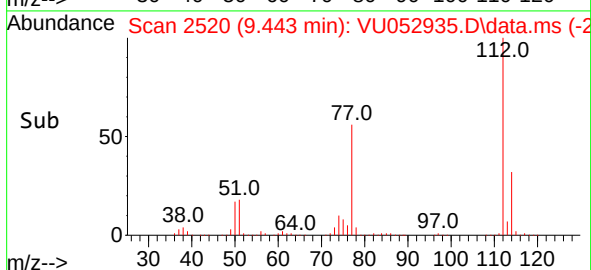
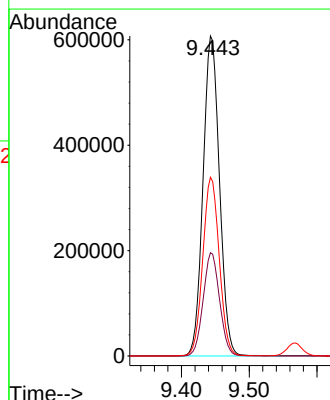
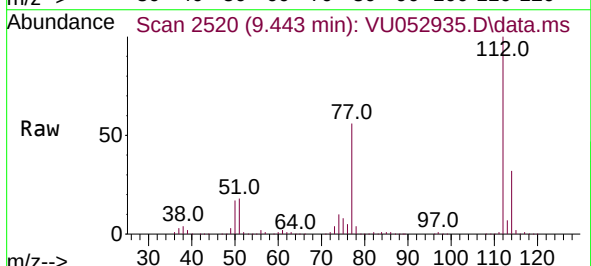
Tgt Ion:112 Resp: 1022346

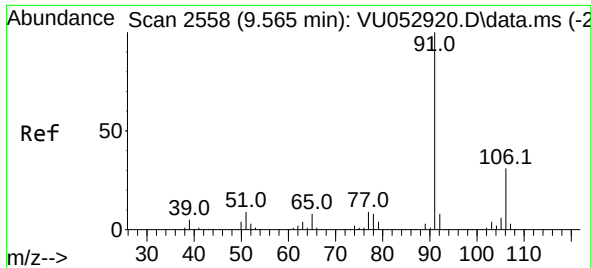
Ion Ratio Lower Upper

112 100

114 32.2 22.8 42.4

77 55.9 45.9 68.9

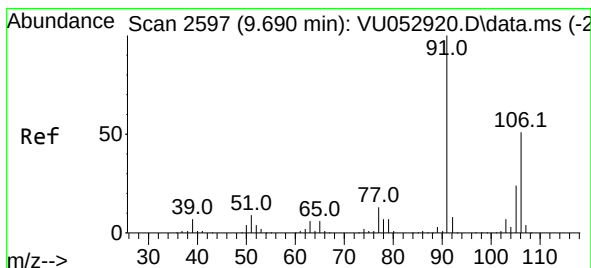
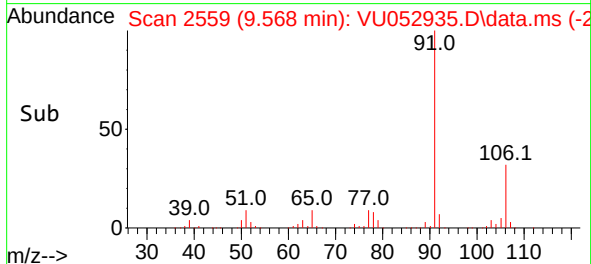
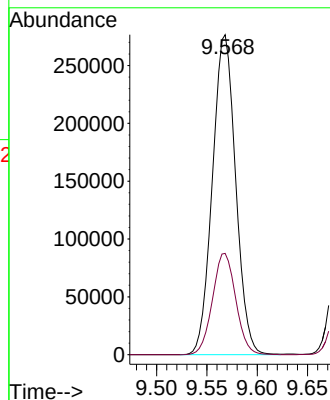
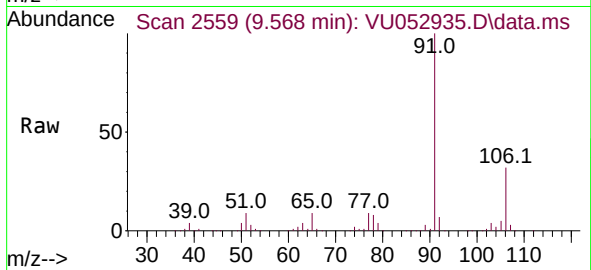




#52
Ethylbenzene
Concen: 48.708 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

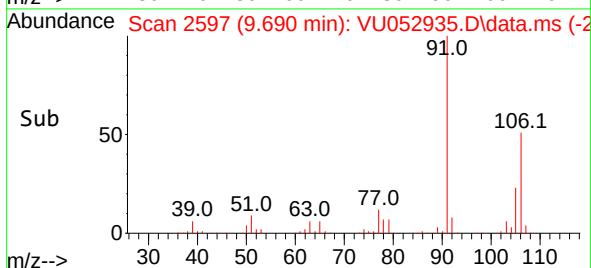
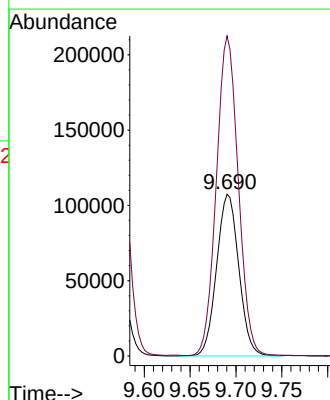
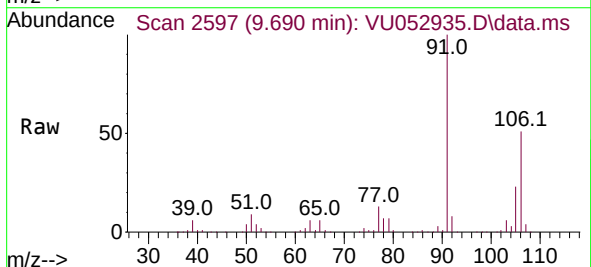
Instrument :
MSVOA_U
ClientSampleId :

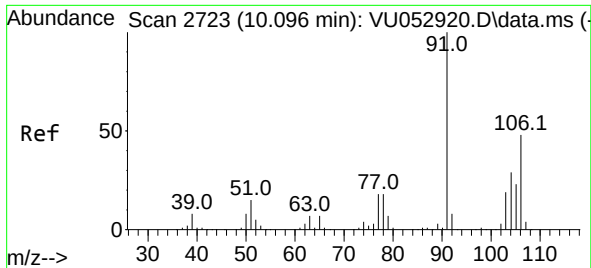
Tgt Ion: 91 Resp: 444828
Ion Ratio Lower Upper
91 100
106 31.6 22.0 40.8



#53
m,p-Xylene
Concen: 48.881 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

Tgt Ion:106 Resp: 180722
Ion Ratio Lower Upper
106 100
91 197.9 137.4 255.2

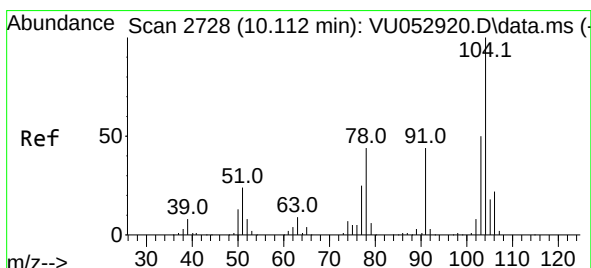
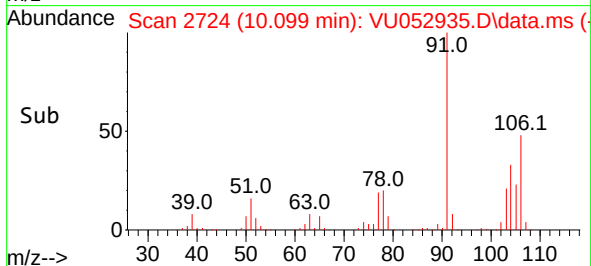
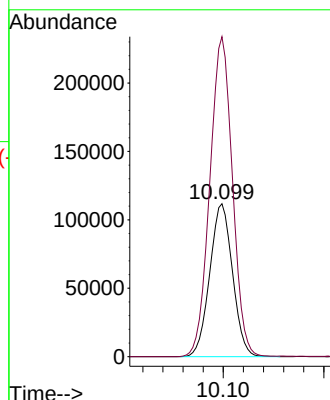
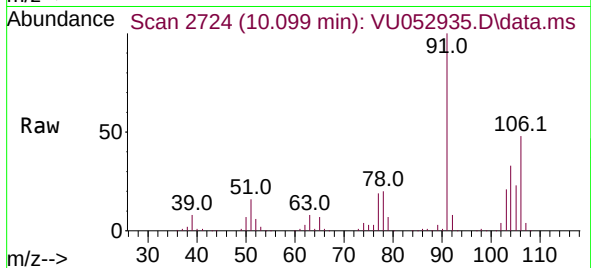




#54
o-xylene
Concen: 49.808 ug/L
RT: 10.099 min Scan# 2723
Delta R.T. 0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

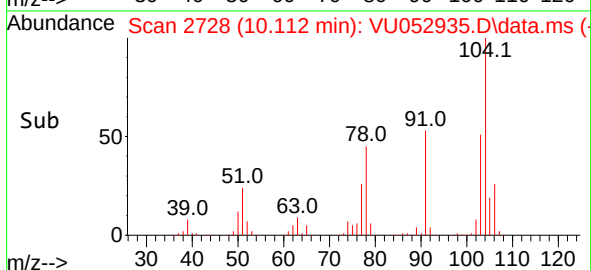
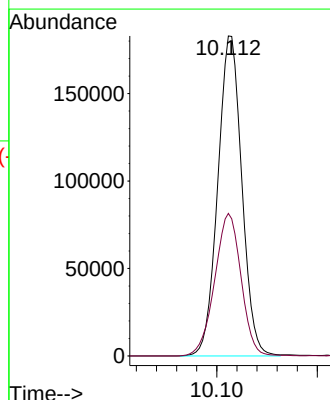
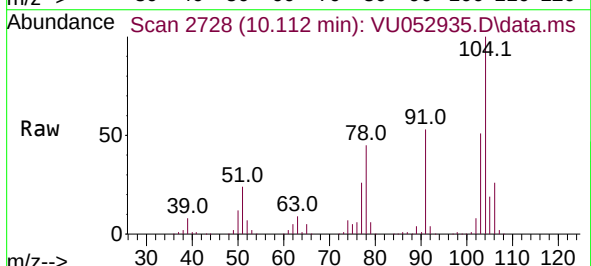
Instrument :
MSVOA_U
ClientSampleId :

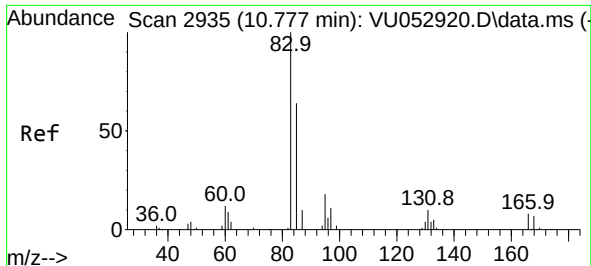
Tgt Ion:106 Resp: 175798
Ion Ratio Lower Upper
106 100
91 209.3 143.4 266.2



#55
Styrene
Concen: 50.132 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

Tgt Ion:104 Resp: 303628
Ion Ratio Lower Upper
104 100
78 44.6 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 44.327 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.006 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

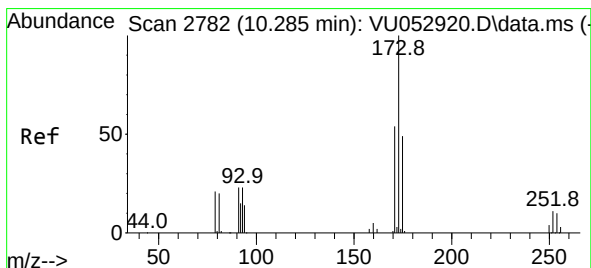
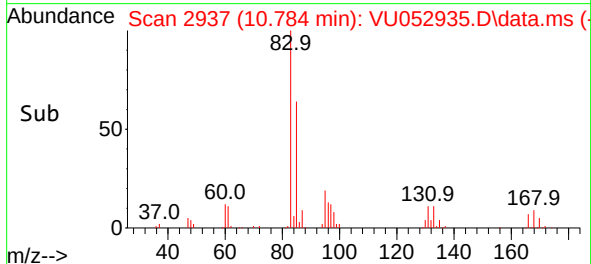
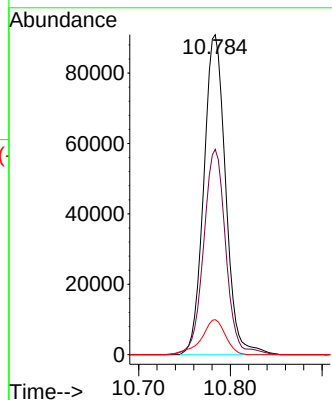
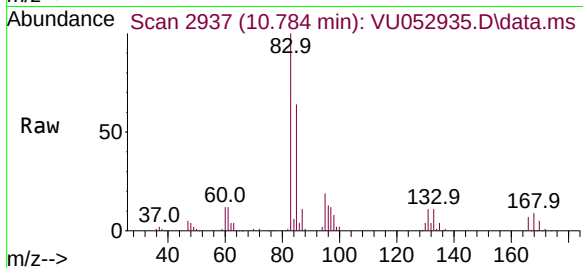
Tgt Ion: 83 Resp: 150385

Ion Ratio Lower Upper

83 100

85 64.1 45.0 83.6

131 11.0 8.6 12.8



#59

Bromoform

Concen: 45.245 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.006 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

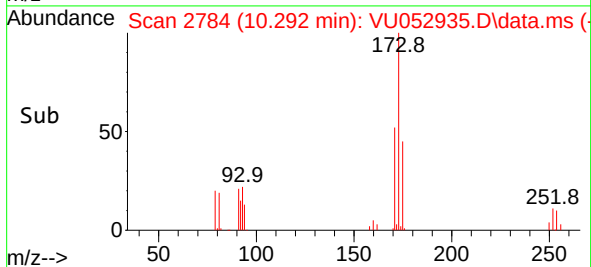
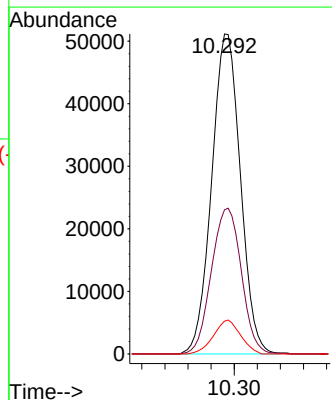
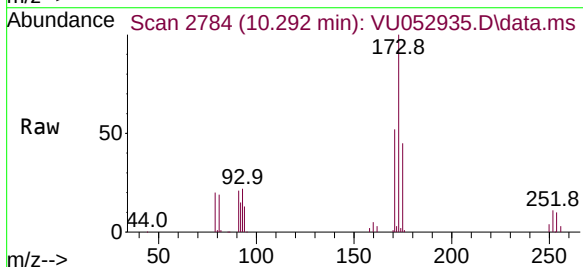
Tgt Ion:173 Resp: 88326

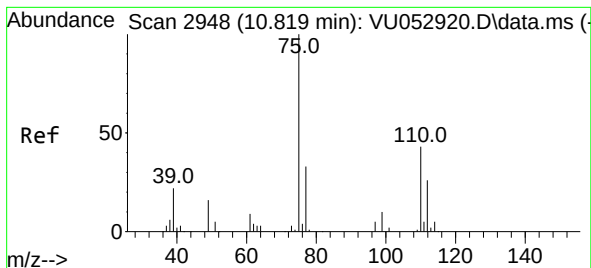
Ion Ratio Lower Upper

173 100

175 47.5 37.7 56.5

254 10.0 8.3 12.5





#60

1,2,3-Trichloropropane

Concen: 42.662 ug/L

RT: 10.822 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

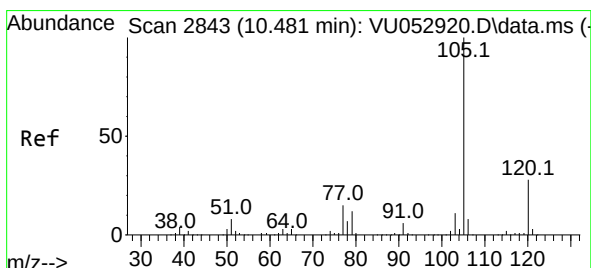
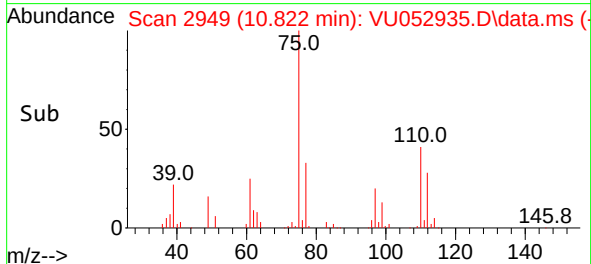
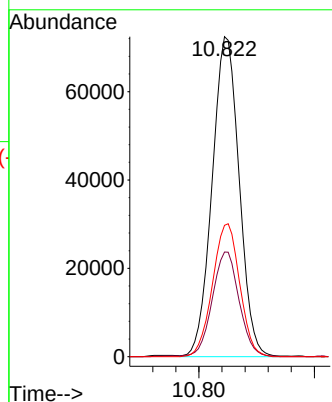
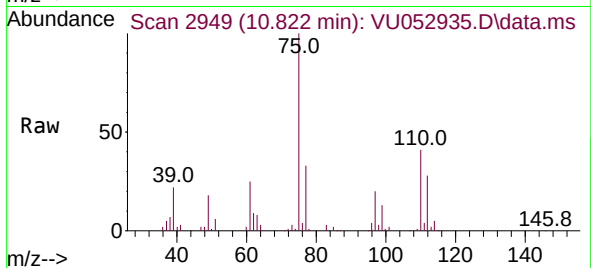
Tgt Ion: 75 Resp: 117890

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8

110 41.7 32.4 48.6



#61

Isopropylbenzene

Concen: 49.143 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

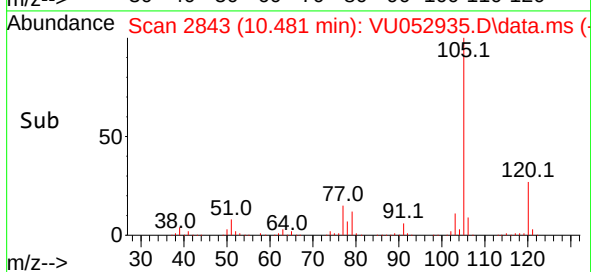
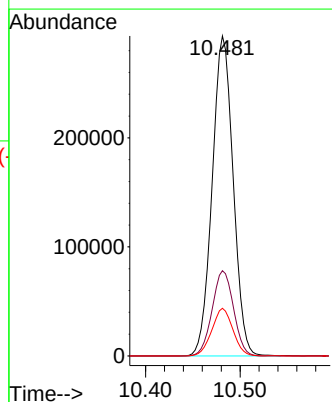
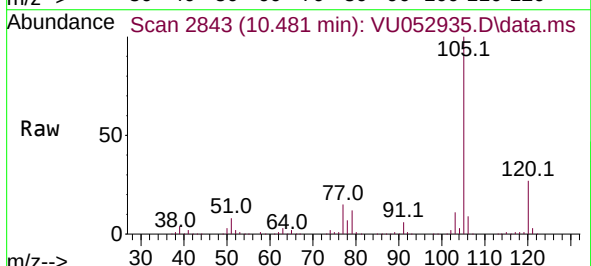
Tgt Ion: 105 Resp: 452155

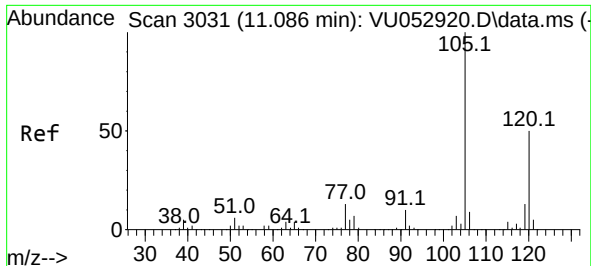
Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

77 15.0 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 50.794 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

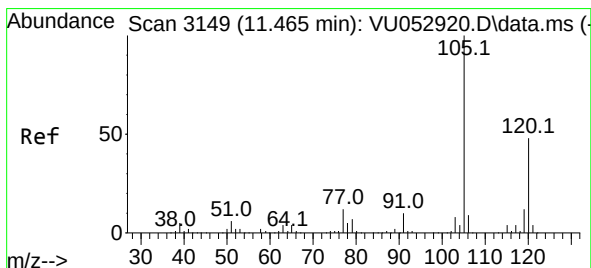
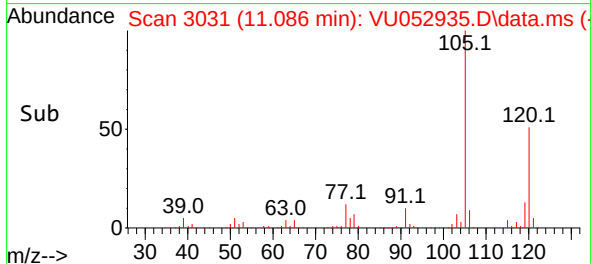
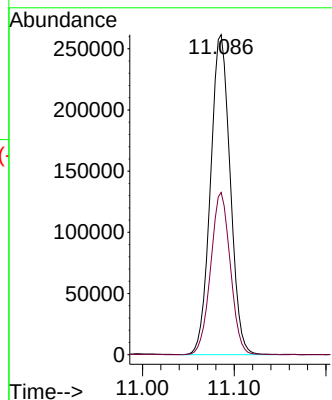
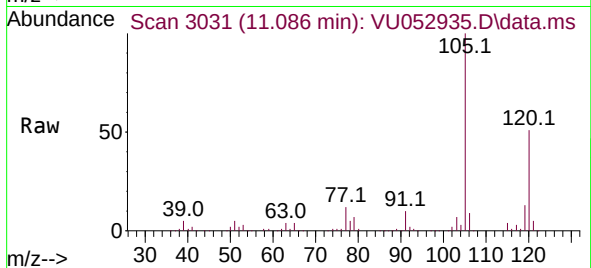
ClientSampleId :

Tgt Ion:105 Resp: 389131

Ion Ratio Lower Upper

105 100

120 50.6 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 51.472 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU052935.D

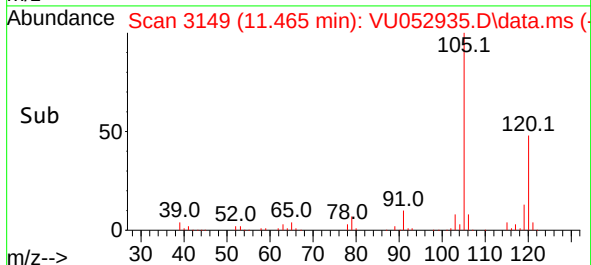
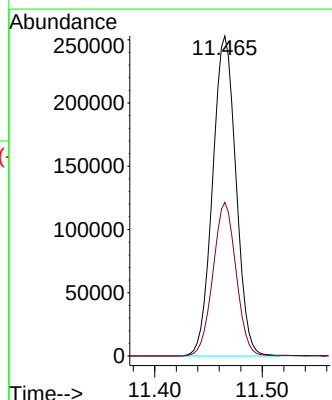
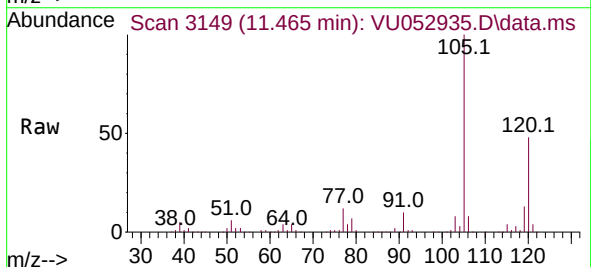
Acq: 02 Feb 2023 18:56

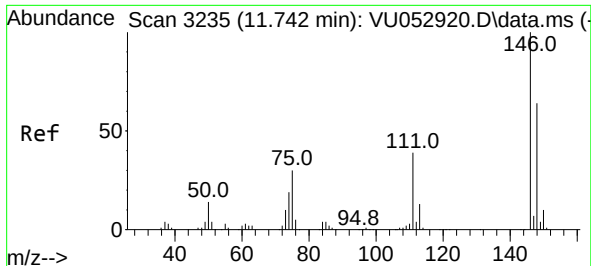
Tgt Ion:105 Resp: 381575

Ion Ratio Lower Upper

105 100

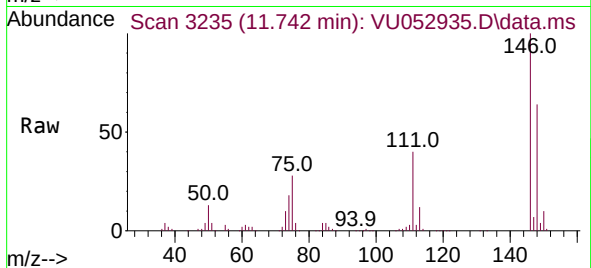
120 47.4 38.1 57.1



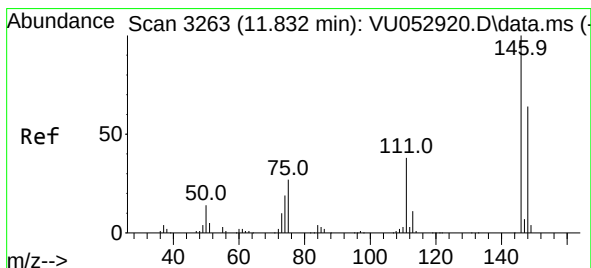
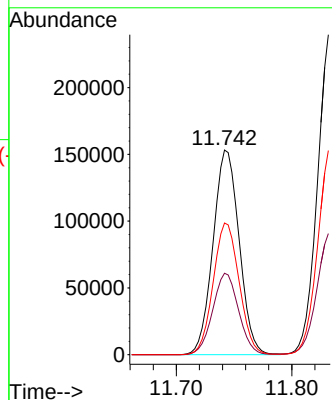
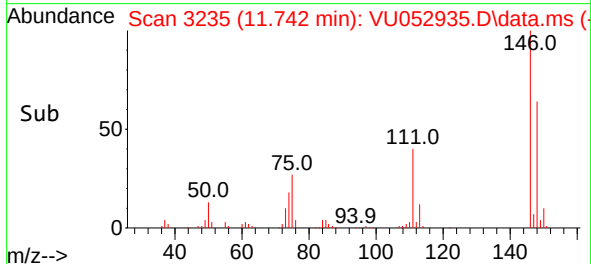


#64
1,3-Dichlorobenzene
Concen: 51.863 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

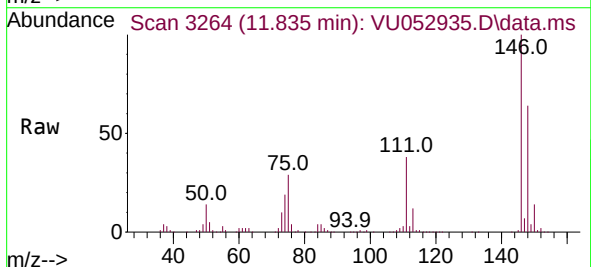
Instrument :
MSVOA_U
ClientSampleId :



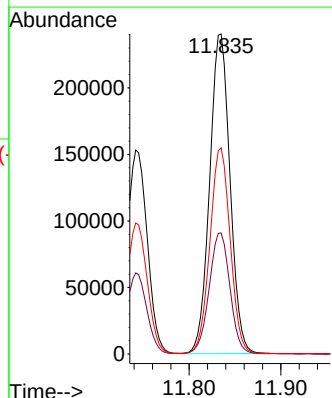
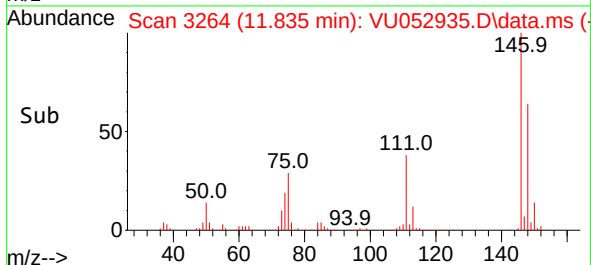
Tgt Ion:146 Resp: 240751
Ion Ratio Lower Upper
146 100
111 39.8 27.8 51.6
148 64.3 45.5 84.5

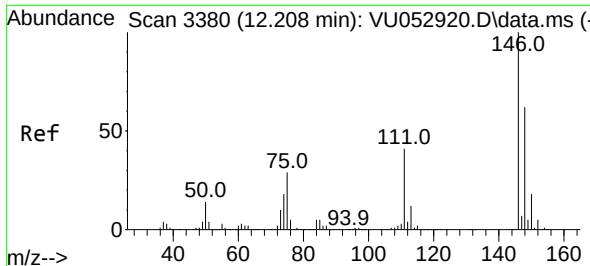


#65
1,4-Dichlorobenzene
Concen: 77.062 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56



Tgt Ion:146 Resp: 370334
Ion Ratio Lower Upper
146 100
111 37.8 26.7 49.7
148 64.4 45.6 84.6

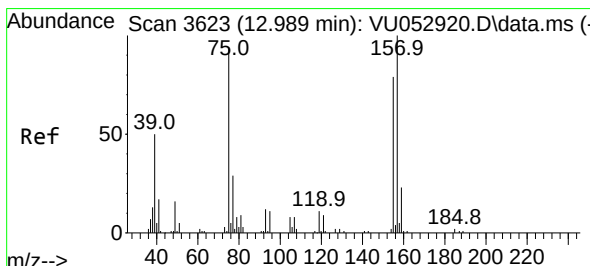
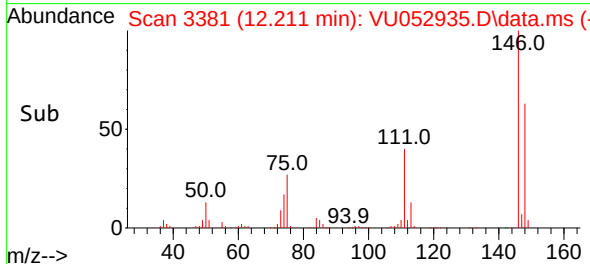
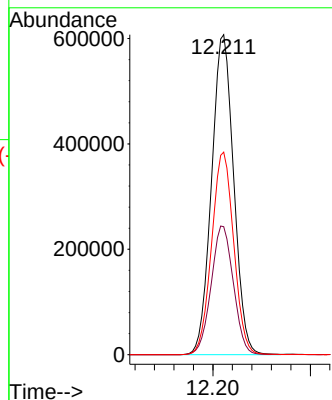
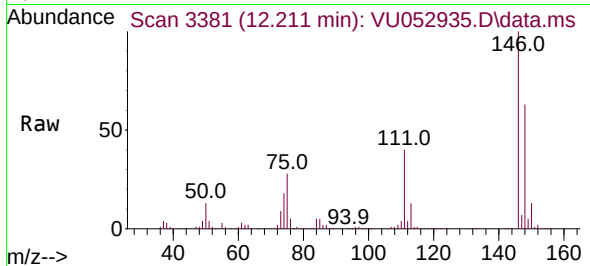




#67
1,2-Dichlorobenzene
Concen: 203.940 ug/L
RT: 12.211 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

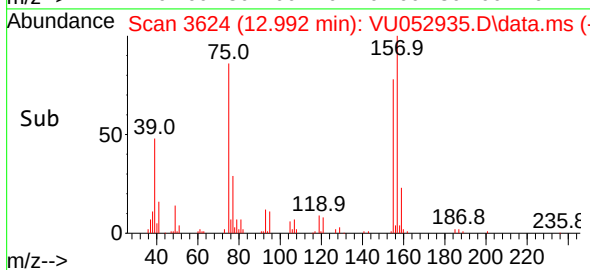
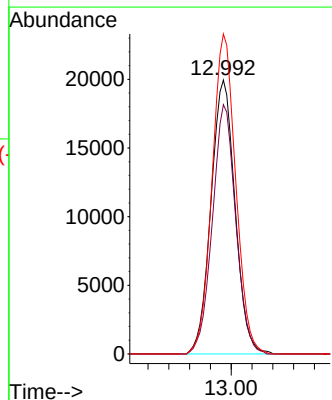
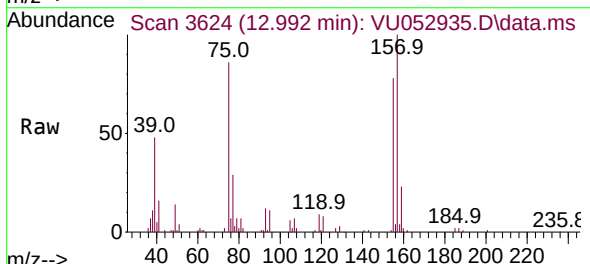
Instrument :
MSVOA_U
ClientSampleId :

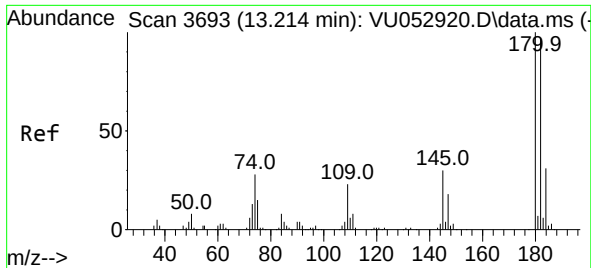
Tgt Ion:146 Resp: 957556
Ion Ratio Lower Upper
146 100
111 40.0 33.2 49.8
148 63.3 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 40.479 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.003 min
Lab File: VU052935.D
Acq: 02 Feb 2023 18:56

Tgt Ion: 75 Resp: 32063
Ion Ratio Lower Upper
75 100
155 91.0 69.2 103.8
157 116.8 91.2 136.8





#69

1,3,5-Trichlorobenzene

Concen: 48.747 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

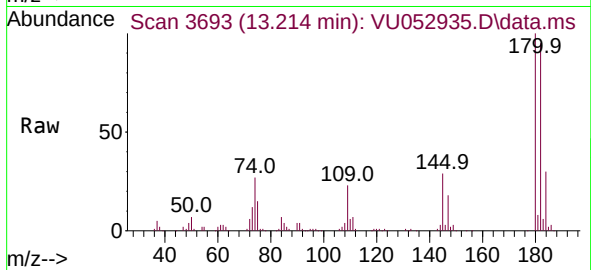
Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 167523

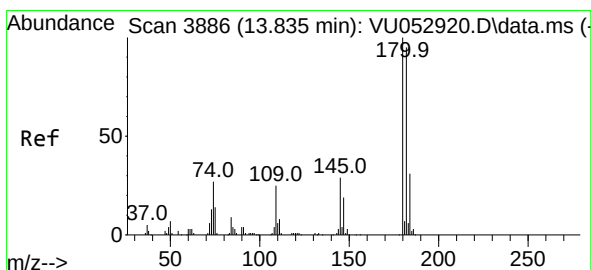
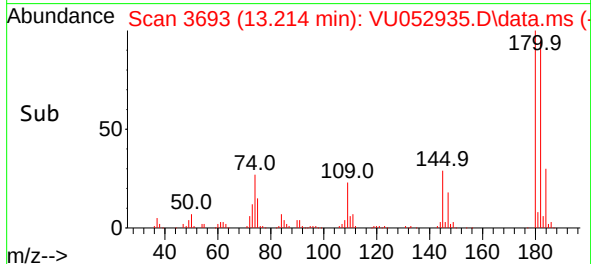
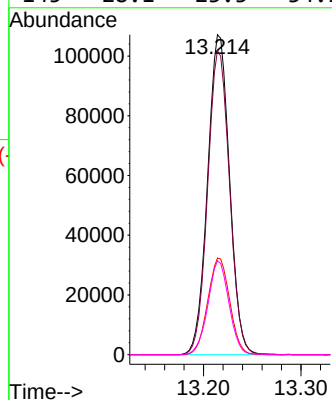
Ion Ratio Lower Upper

180 100

182 94.6 77.0 115.6

184 30.1 24.4 36.6

145 28.1 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 107.661 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

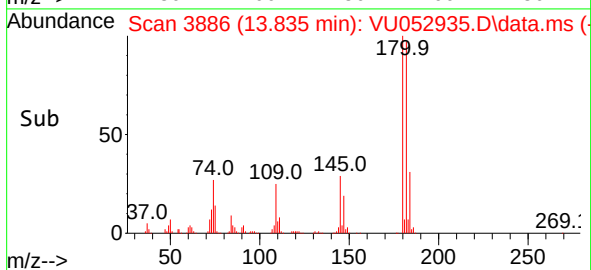
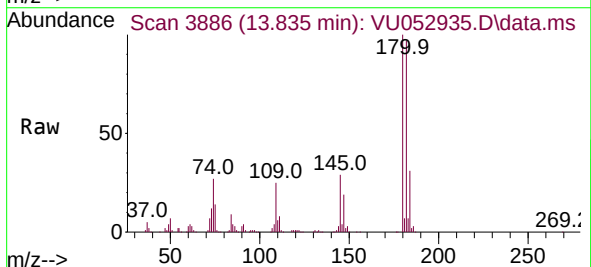
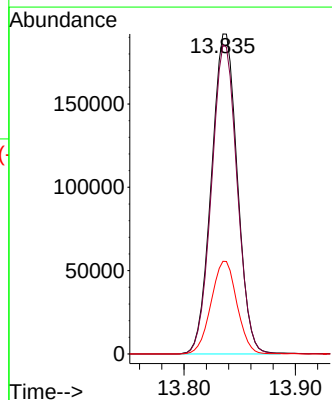
Tgt Ion:180 Resp: 310194

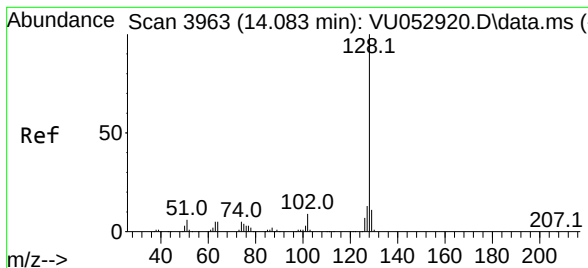
Ion Ratio Lower Upper

180 100

182 95.6 78.2 117.2

145 28.9 23.4 35.2





#71

Naphthalene

Concen: 52.540 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

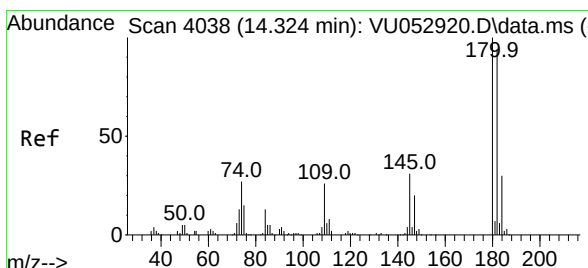
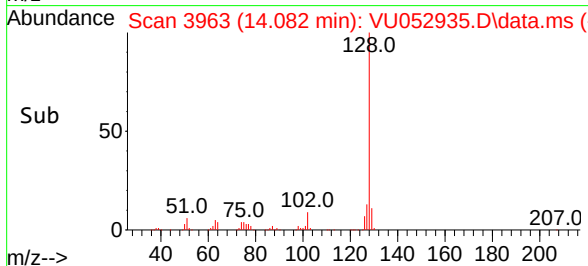
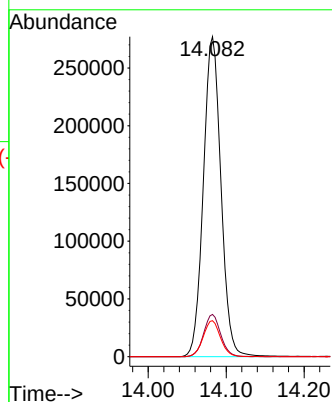
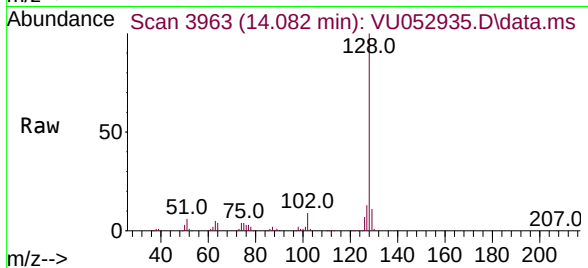
Tgt Ion:128 Resp: 435018

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 64.416 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU052935.D

Acq: 02 Feb 2023 18:56

Tgt Ion:180 Resp: 196141

Ion Ratio Lower Upper

180 100

182 95.9 77.5 116.3

145 31.1 24.2 36.4

