

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U060922\
 Data File : U048986.D
 Acq On : 09 Jun 2022 19:16
 Operator : SY/MD
 Sample : N3248-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY2

Quant Time: Jun 10 01:06:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 10 01:01:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	344722	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	323345	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	160279	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	105893	50.153	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.300%
7) Chloroethane-d5	1.899	69	80636	50.976	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.960%
11) 1,1-Dichloroethene-d2	2.562	63	154245	32.302	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.600%
21) 2-Butanone-d5	4.616	46	241921	120.403	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.400%
24) Chloroform-d	5.063	84	226045	42.366	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.740%
26) 1,2-Dichloroethane-d4	5.700	65	151987	40.378	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.760%
32) Benzene-d6	5.726	84	435858	48.434	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.860%
36) 1,2-Dichloropropane-d6	6.690	67	147470	55.821	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.640%
41) Toluene-d8	7.896	98	384644	45.442	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.880%
43) trans-1,3-Dichloroprop...	8.179	79	70056	41.470	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.940%
47) 2-Hexanone-d5	8.629	63	156498	108.019	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.020%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	225510	51.587	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.180%
66) 1,2-Dichlorobenzene-d4	12.192	152	158244	48.296	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	33067	13.599	ug/L	87
8) Chloroethane	1.922	64	284020	198.451	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1456	0.602	ug/L #	17
12) 1,1-Dichloroethene	2.575	96	11283	5.031	ug/L #	1
13) Acetone	2.623	43	26182	16.039	ug/L	93
17) trans-1,2-Dichloroethene	3.353	96	3420	1.414	ug/L	94
19) 1,1-Dichloroethane	3.867	63	563222	127.174	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	465033	170.463	ug/L	95
22) 2-Butanone	4.706	43	12880	6.214	ug/L	95
30) 1,1,1-Trichloroethane	5.317	97	185163	37.820	ug/L	97
31) Carbon tetrachloride	5.314	117	24168	5.417	ug/L	99
34) Trichloroethene	6.539	95	18406	6.887	ug/L	91
37) 1,2-Dichloropropane	6.690	63	15694	6.644	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	4017	0.996	ug/L #	62
42) Toluene	7.970	91	28339	2.752	ug/L	98
44) trans-1,3-Dichloropropene	8.182	75	2905	0.683	ug/L	95
46) Tetrachloroethene	8.552	164	44094	20.218	ug/L	97
52) Ethylbenzene	9.571	91	40012	3.400	ug/L	100
53) m,p-Xylene	9.693	106	5375	1.137	ug/L	100

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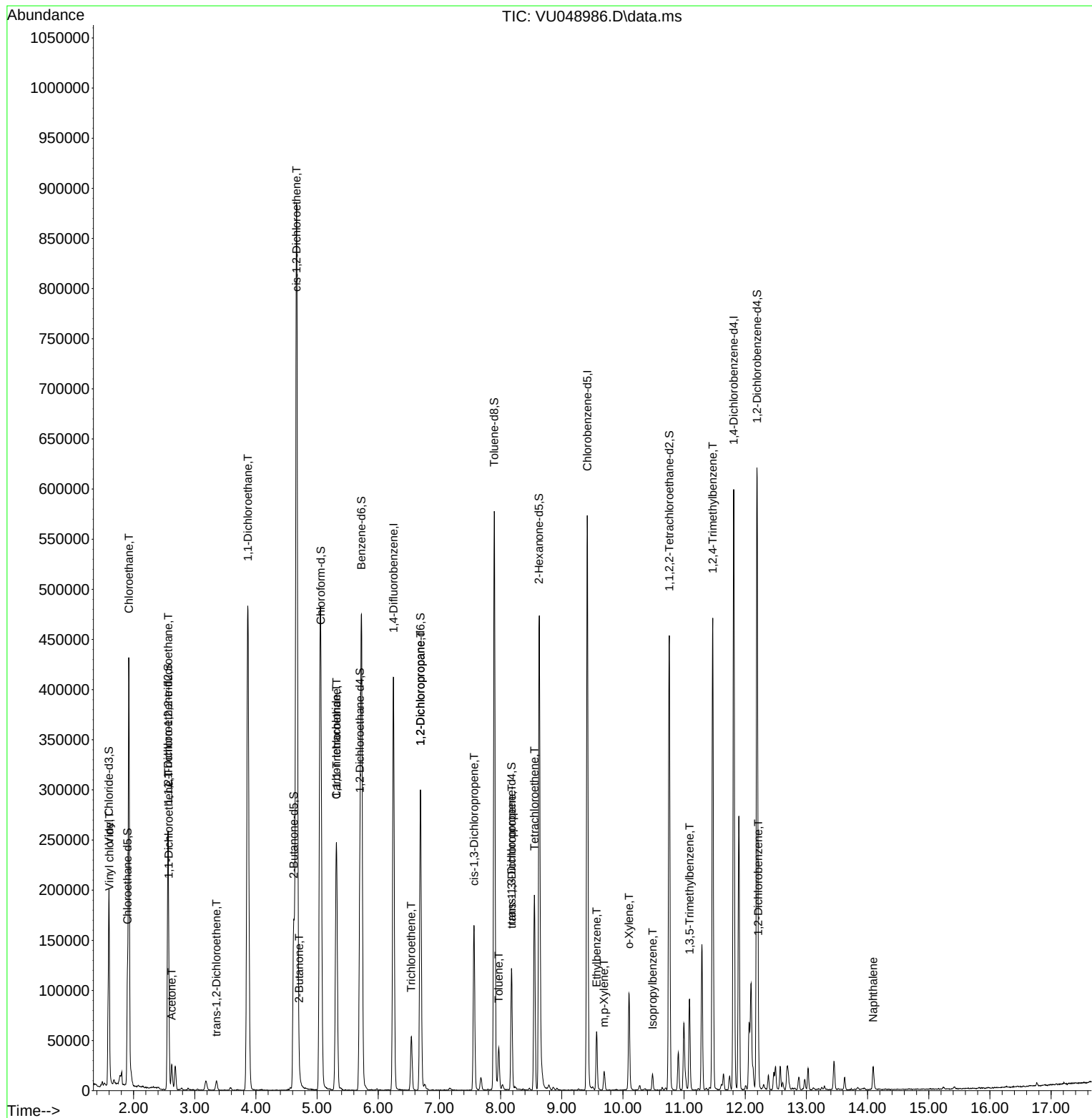
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.098	106	25466	5.621	ug/L	94
61) Isopropylbenzene	10.484	105	9961	1.009	ug/L	96
62) 1,3,5-Trimethylbenzene	11.089	105	47955	8.545	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	259221	29.706	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	4993	0.964	ug/L	95
71) Naphthalene	14.092	128	20582	1.701	ug/L	98

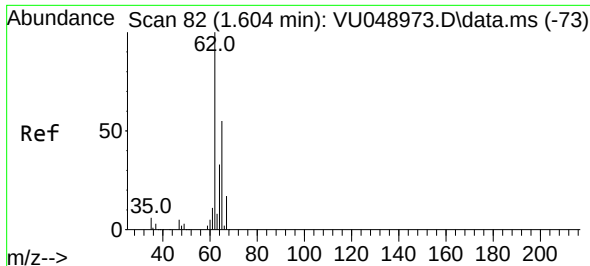
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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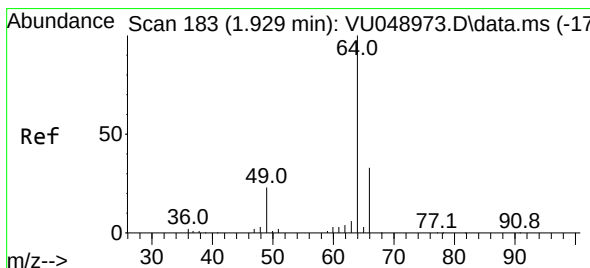
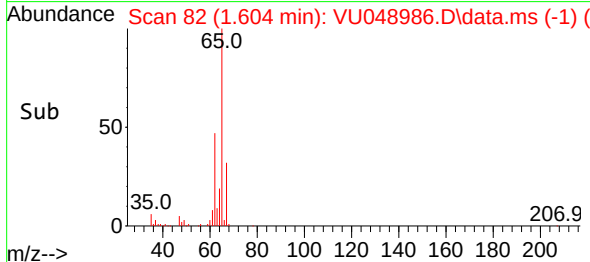
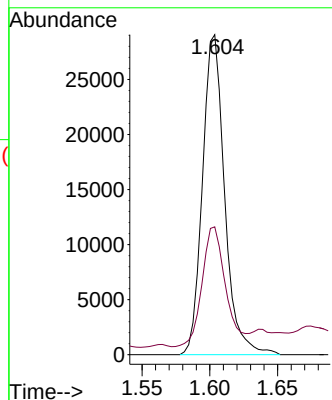
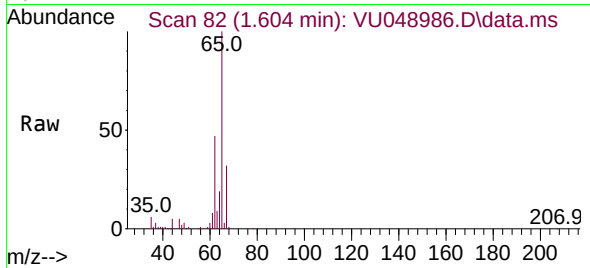




#5
 Vinyl chloride
 Concen: 13.599 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048986.D
 Acq: 09 Jun 2022 19:16

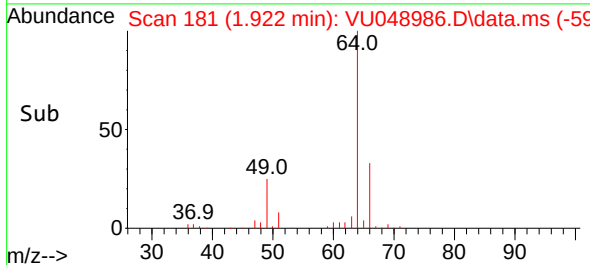
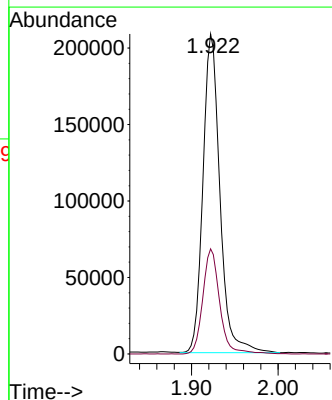
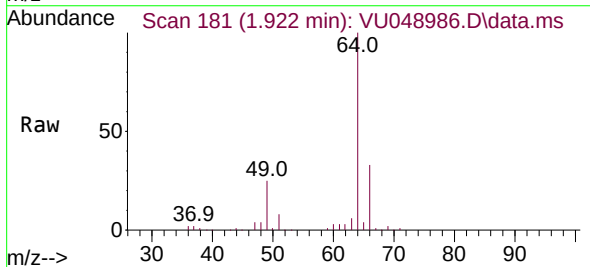
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY2

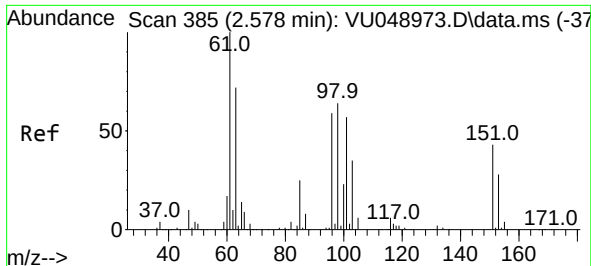
Tgt Ion: 62 Resp: 33067
 Ion Ratio Lower Upper
 62 100
 64 40.0 22.9 42.5



#8
 Chloroethane
 Concen: 198.451 ug/L
 RT: 1.922 min Scan# 181
 Delta R.T. -0.007 min
 Lab File: VU048986.D
 Acq: 09 Jun 2022 19:16

Tgt Ion: 64 Resp: 284020
 Ion Ratio Lower Upper
 64 100
 66 32.9 23.1 42.9

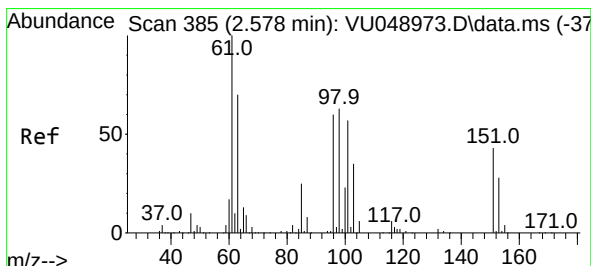
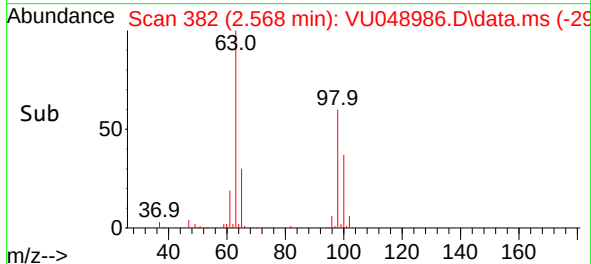
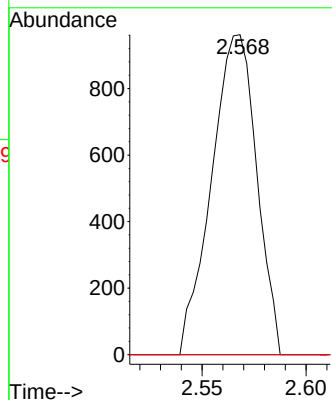
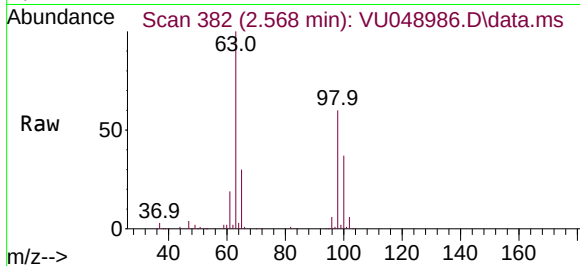




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.602 ug/L
 RT: 2.568 min Scan# 31
 Delta R.T. -0.010 min
 Lab File: VU048986.D
 Acq: 09 Jun 2022 19:16

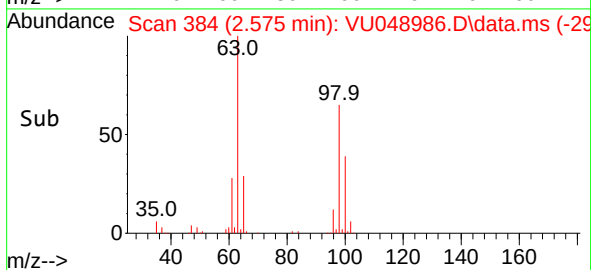
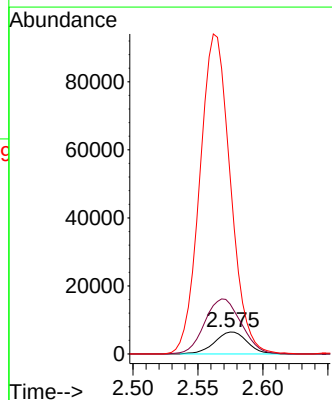
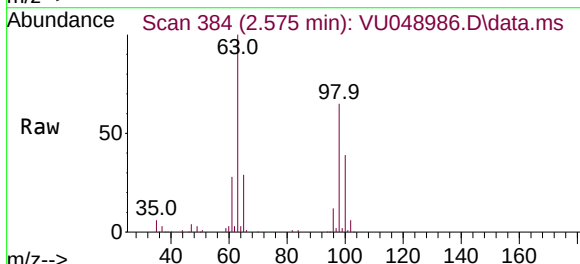
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY2

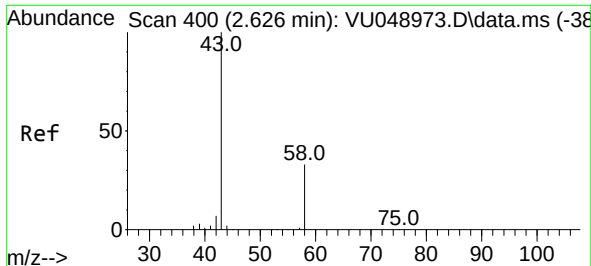
Tgt Ion:101 Resp: 1456
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.7 53.5#
 151 0.0 64.4 96.6#



#12
 1,1-Dichloroethene
 Concen: 5.031 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU048986.D
 Acq: 09 Jun 2022 19:16

Tgt Ion: 96 Resp: 11283
 Ion Ratio Lower Upper
 96 100
 61 227.0 120.6 224.0#
 63 808.3 82.3 152.9#





#13

Acetone

Concen: 16.039 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU048986.D

Acq: 09 Jun 2022 19:16

Instrument :

MSVOA_U

ClientSampleId :

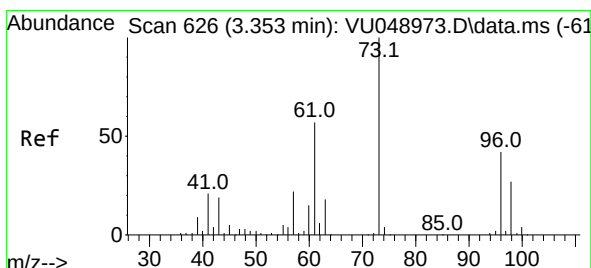
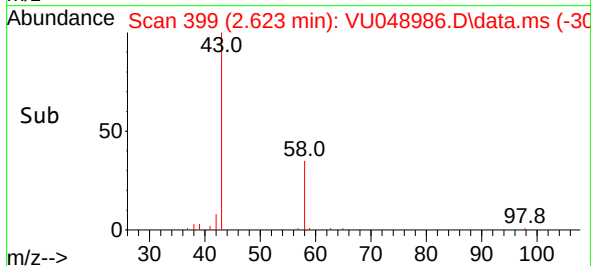
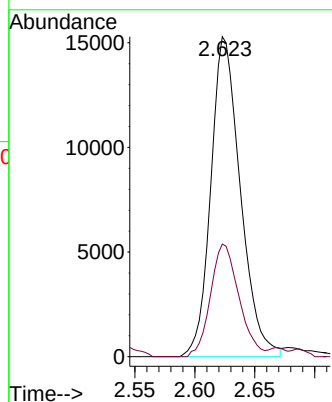
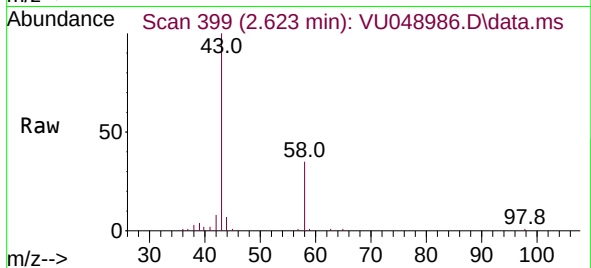
EXYY2

Tgt Ion: 43 Resp: 26182

Ion Ratio Lower Upper

43 100

58 33.9 0.0 59.8



#17

trans-1,2-Dichloroethene

Concen: 1.414 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU048986.D

Acq: 09 Jun 2022 19:16

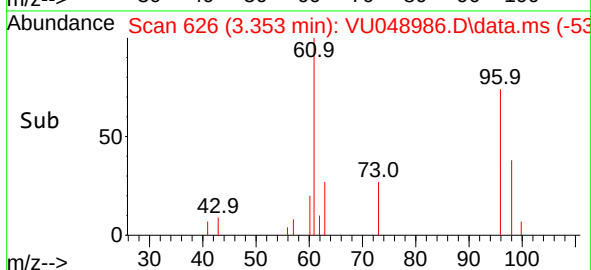
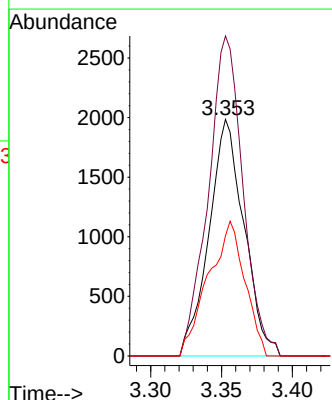
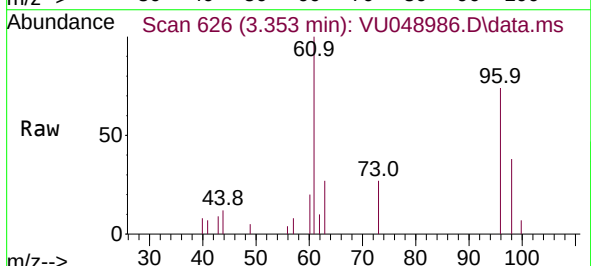
Tgt Ion: 96 Resp: 3420

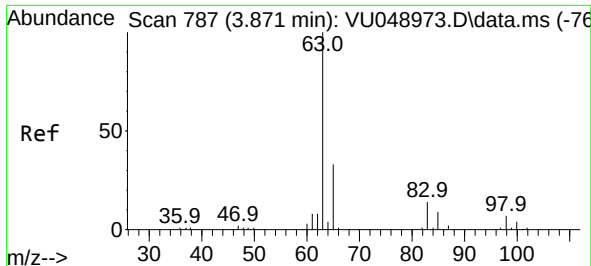
Ion Ratio Lower Upper

96 100

61 135.3 94.2 175.0

98 50.8 45.1 83.7





#19

1,1-Dichloroethane

Concen: 127.174 ug/L

RT: 3.867 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU048986.D

Acq: 09 Jun 2022 19:16

Instrument :

MSVOA_U

ClientSampleId :

EXYY2

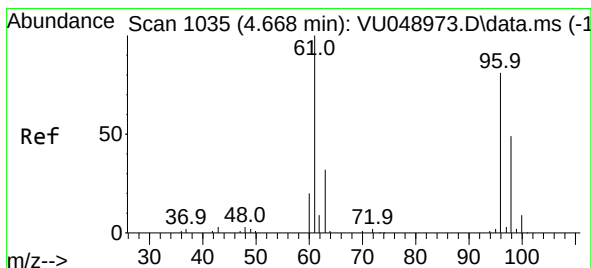
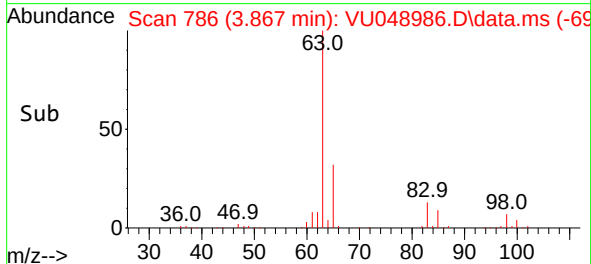
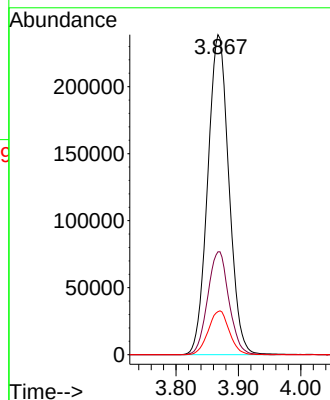
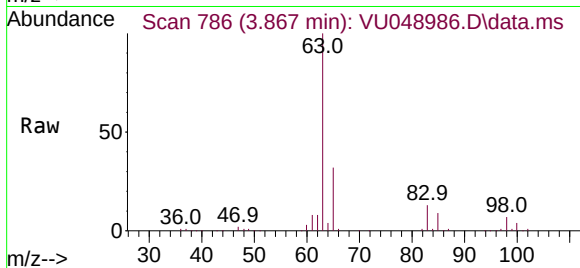
Tgt Ion: 63 Resp: 563222

Ion Ratio Lower Upper

63 100

65 32.1 21.8 40.6

83 13.4 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 170.463 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048986.D

Acq: 09 Jun 2022 19:16

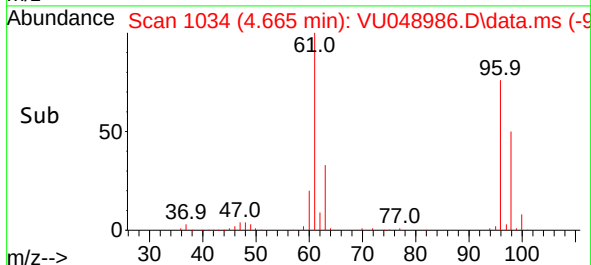
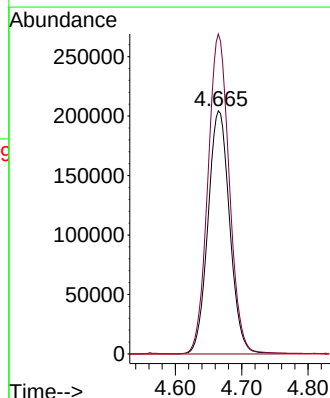
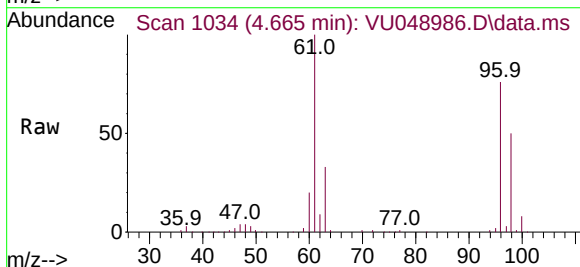
Tgt Ion: 96 Resp: 465033

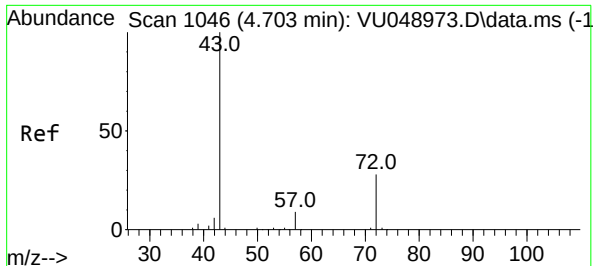
Ion Ratio Lower Upper

96 100

61 131.7 88.3 164.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 6.214 ug/L

RT: 4.706 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU048986.D

Acq: 09 Jun 2022 19:16

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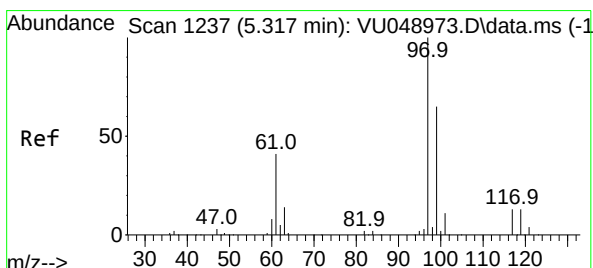
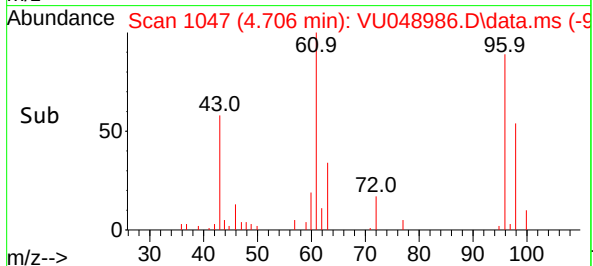
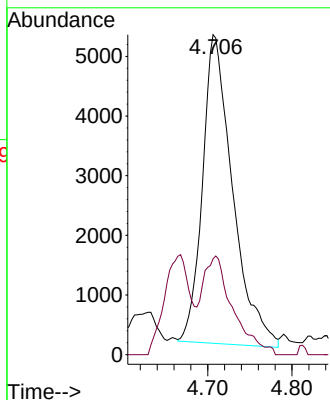
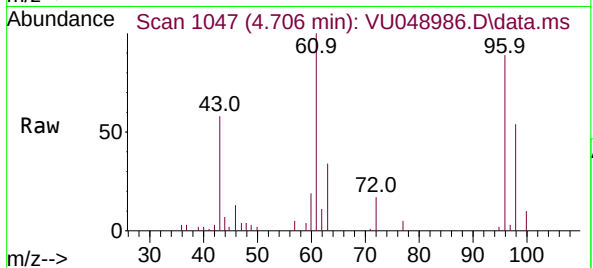
EXYY2

Tgt Ion: 43 Resp: 12880

Ion Ratio Lower Upper

43 100

72 27.8 15.4 46.2



#30

1,1,1-Trichloroethane

Concen: 37.820 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048986.D

Acq: 09 Jun 2022 19:16

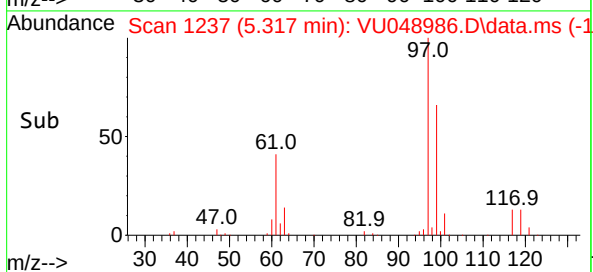
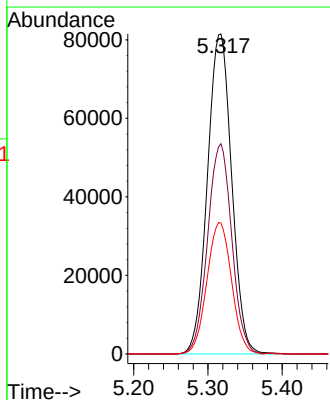
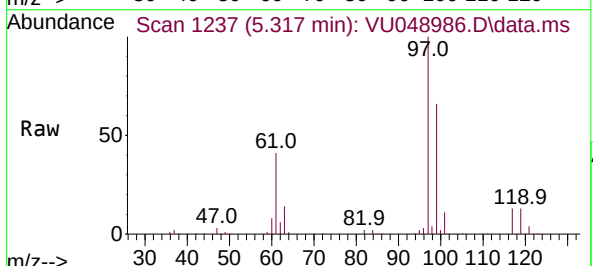
Tgt Ion: 97 Resp: 185163

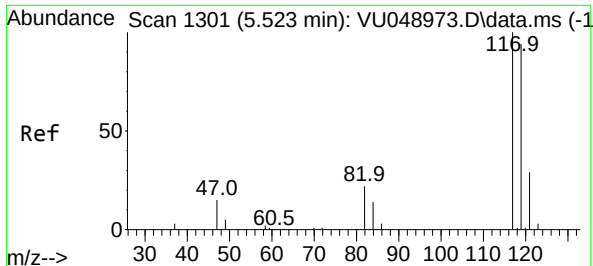
Ion Ratio Lower Upper

97 100

99 65.5 50.3 75.5

61 41.7 32.6 48.8

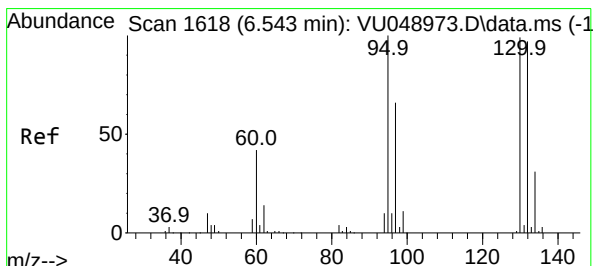
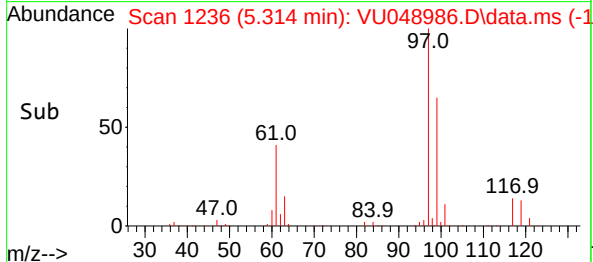
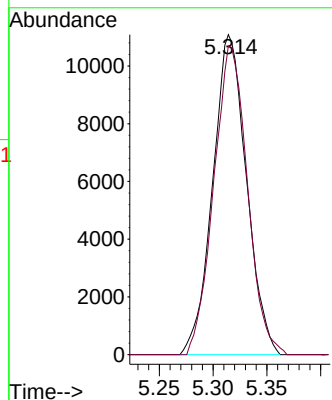
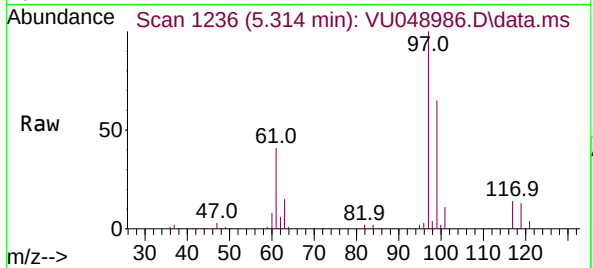




#31
Carbon tetrachloride
Concen: 5.417 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU048986.D
Acq: 09 Jun 2022 19:16

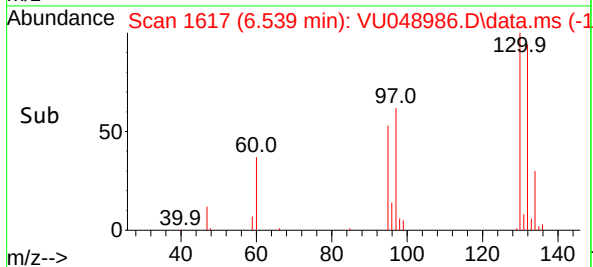
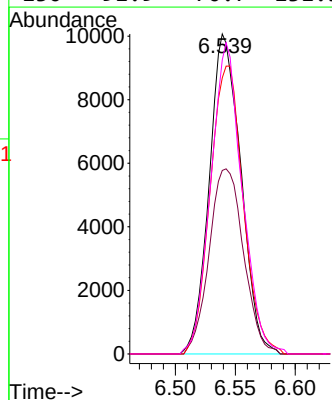
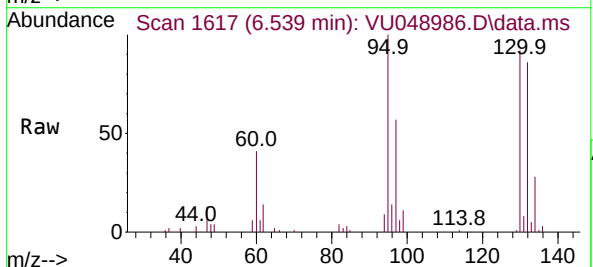
Instrument :
MSVOA_U
ClientSampleId :
EXYY2

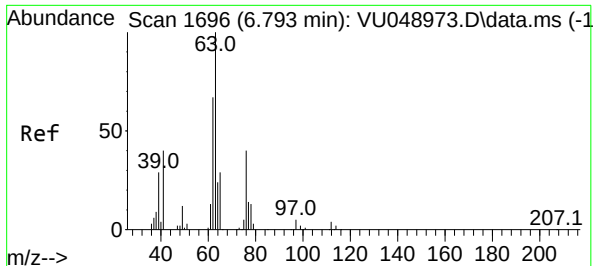
Tgt Ion:117 Resp: 24168
Ion Ratio Lower Upper
117 100
119 96.4 76.0 114.0



#34
Trichloroethene
Concen: 6.887 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU048986.D
Acq: 09 Jun 2022 19:16

Tgt Ion: 95 Resp: 18406
Ion Ratio Lower Upper
95 100
97 57.4 45.2 84.0
132 86.3 67.3 124.9
130 91.9 70.7 131.3





#37

1,2-Dichloropropane

Concen: 6.644 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU048986.D

Acq: 09 Jun 2022 19:16

Instrument :

MSVOA_U

ClientSampleId :

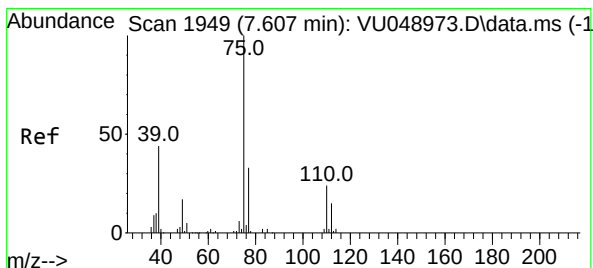
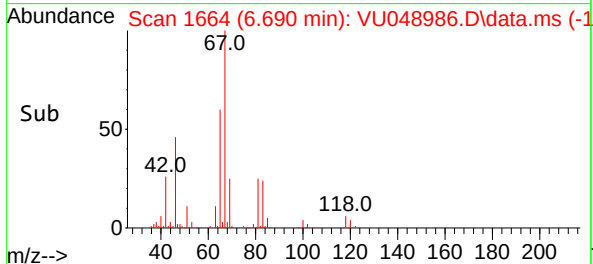
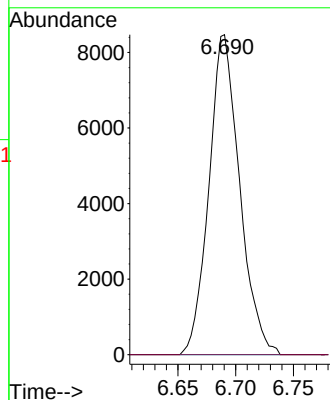
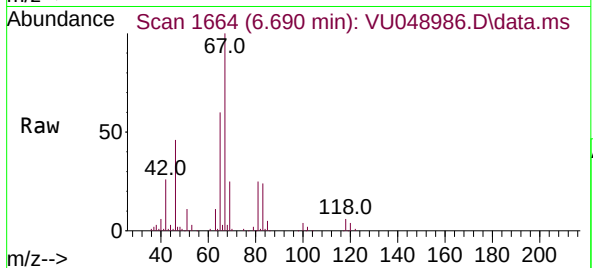
EXYY2

Tgt Ion: 63 Resp: 15694

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



#39

cis-1,3-Dichloropropene

Concen: 0.996 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.039 min

Lab File: VU048986.D

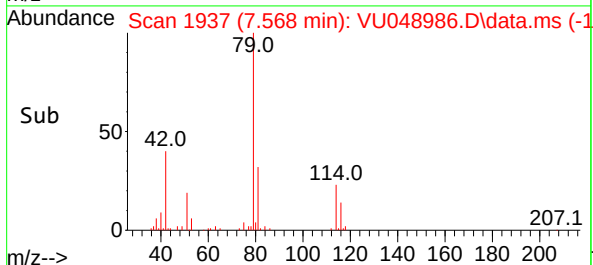
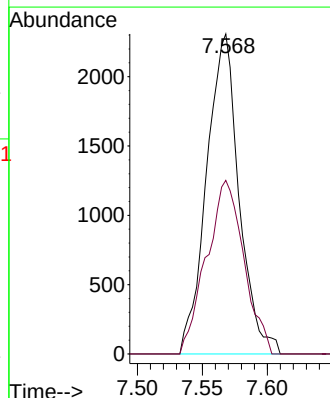
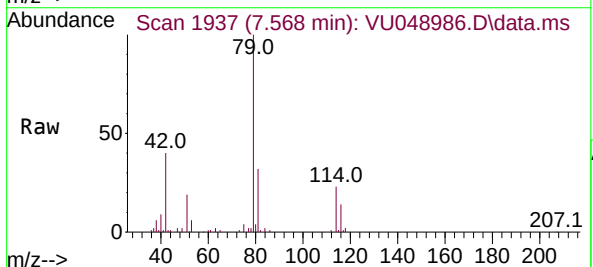
Acq: 09 Jun 2022 19:16

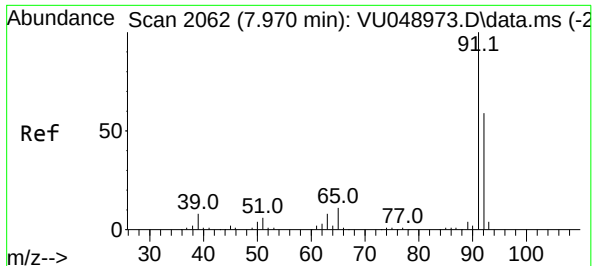
Tgt Ion: 75 Resp: 4017

Ion Ratio Lower Upper

75 100

77 54.2 22.9 42.5#





#42

Toluene

Concen: 2.752 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048986.D

Acq: 09 Jun 2022 19:16

Instrument :

MSVOA_U

ClientSampleId :

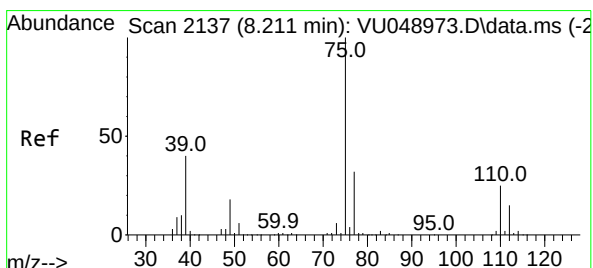
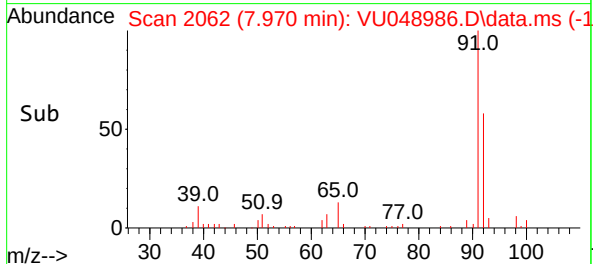
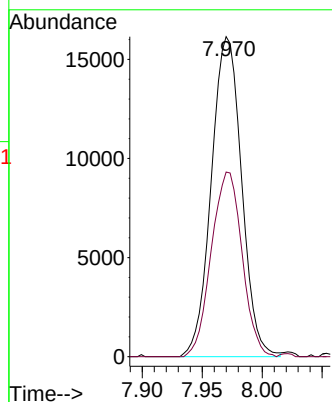
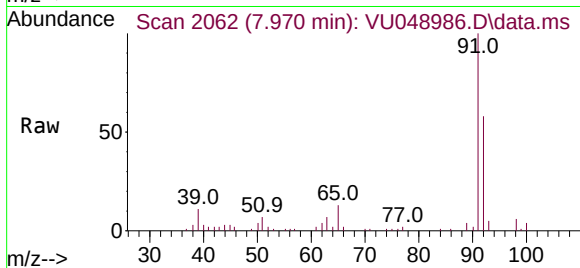
EXYY2

Tgt Ion: 91 Resp: 28339

Ion Ratio Lower Upper

91 100

92 57.7 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 0.683 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.029 min

Lab File: VU048986.D

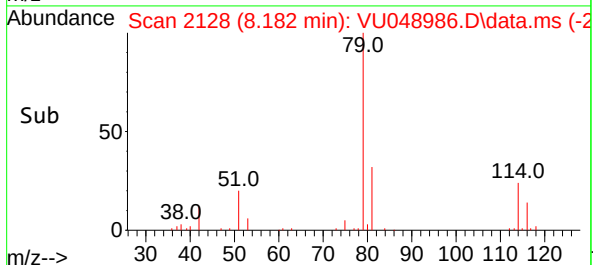
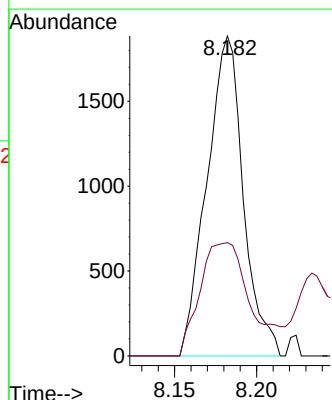
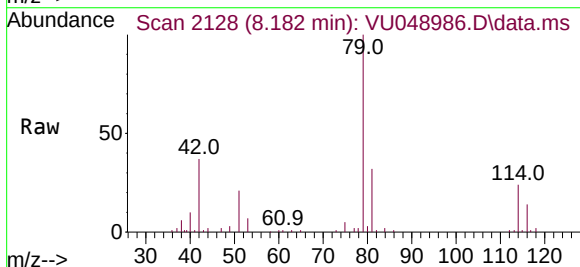
Acq: 09 Jun 2022 19:16

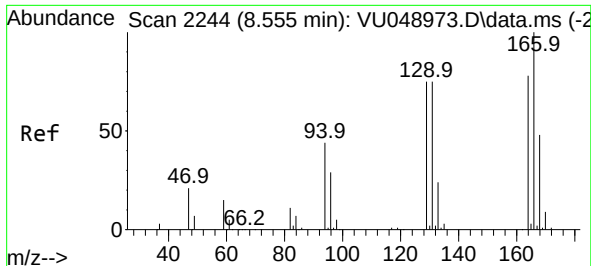
Tgt Ion: 75 Resp: 2905

Ion Ratio Lower Upper

75 100

77 35.4 22.7 42.1



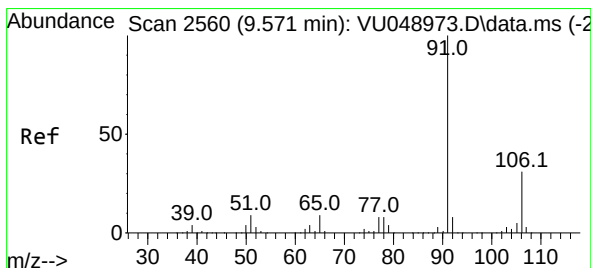
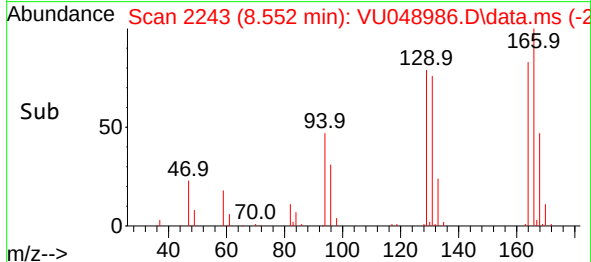
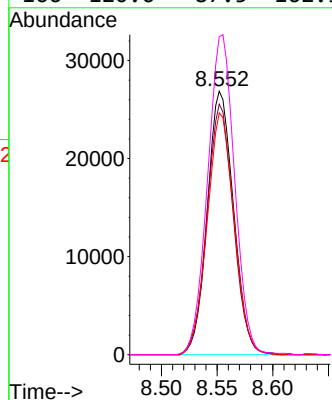
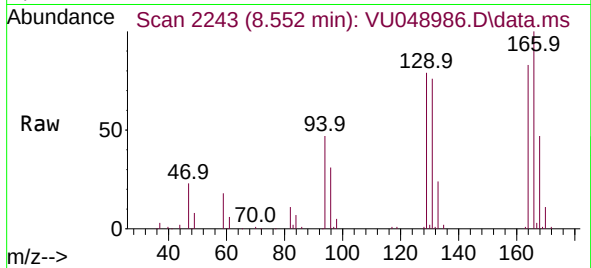


#46
Tetrachloroethene
Concen: 20.218 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048986.D
Acq: 09 Jun 2022 19:16

Instrument :
MSVOA_U
ClientSampleId :
EXYY2

Tgt Ion:164 Resp: 44094

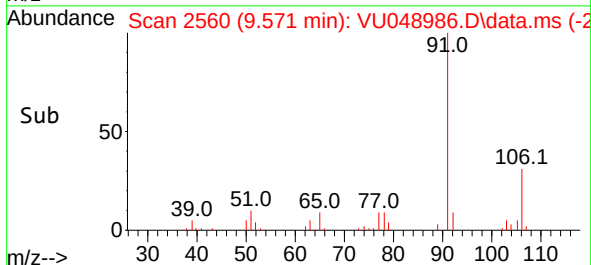
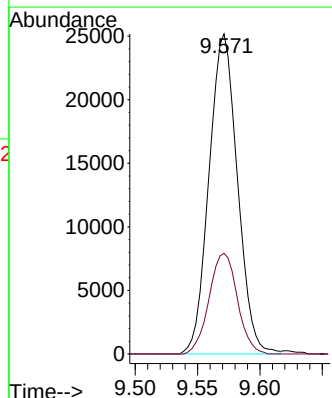
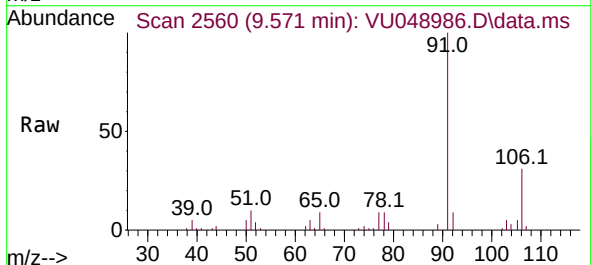
Ion	Ratio	Lower	Upper
164	100		
129	95.0	64.3	119.3
131	91.7	64.5	119.7
166	120.6	87.5	162.5

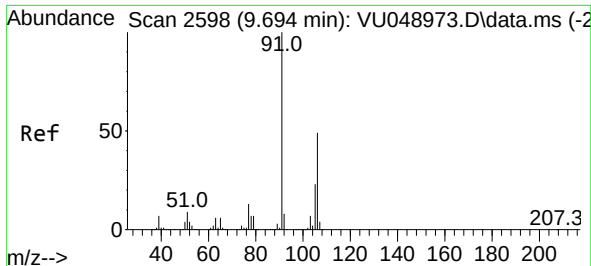


#52
Ethylbenzene
Concen: 3.400 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048986.D
Acq: 09 Jun 2022 19:16

Tgt Ion: 91 Resp: 40012

Ion	Ratio	Lower	Upper
91	100		
106	31.5	21.8	40.6

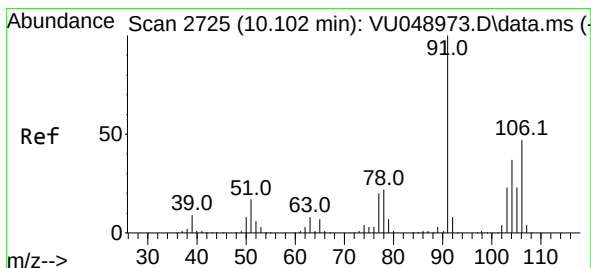
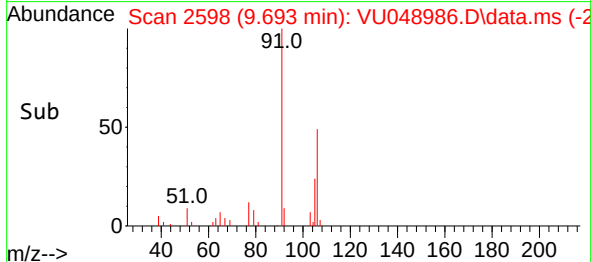
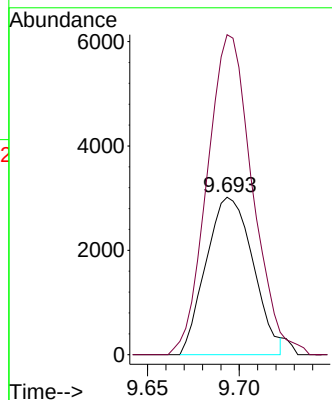
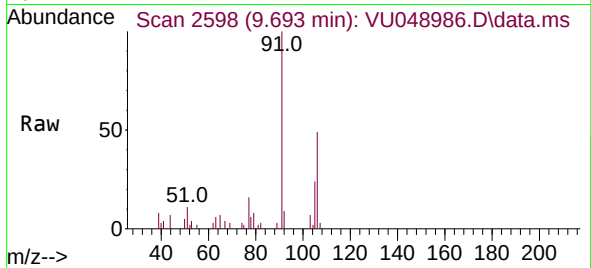




#53
m,p-Xylene
Concen: 1.137 ug/L
RT: 9.693 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048986.D
Acq: 09 Jun 2022 19:16

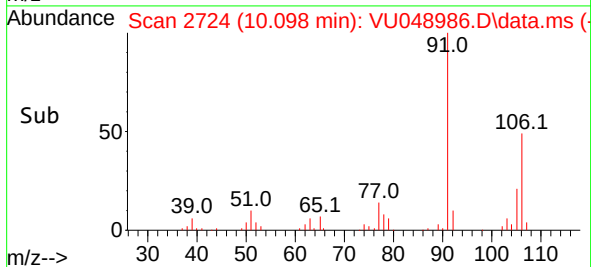
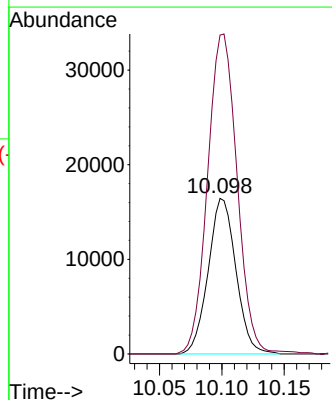
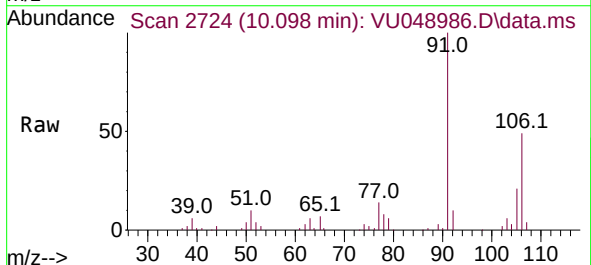
Instrument :
MSVOA_U
ClientSampleId :
EXYY2

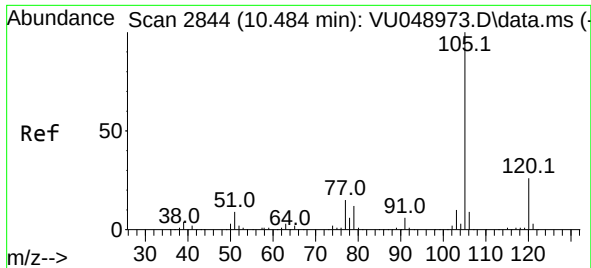
Tgt Ion:106 Resp: 5375
Ion Ratio Lower Upper
106 100
91 203.2 141.8 263.4



#54
o-Xylene
Concen: 5.621 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU048986.D
Acq: 09 Jun 2022 19:16

Tgt Ion:106 Resp: 25466
Ion Ratio Lower Upper
106 100
91 205.0 150.1 278.9

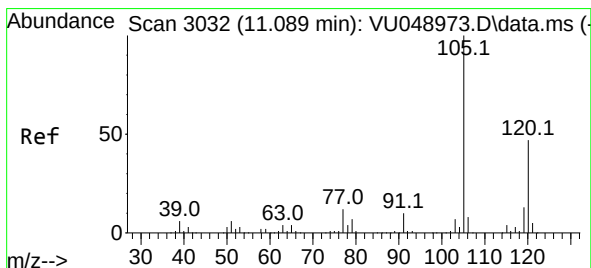
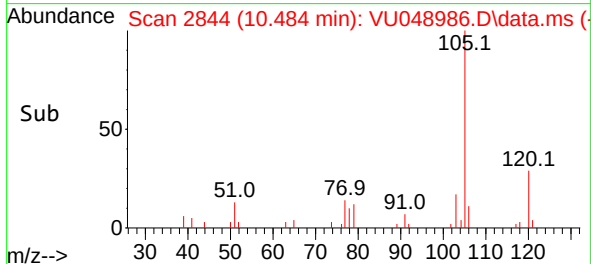
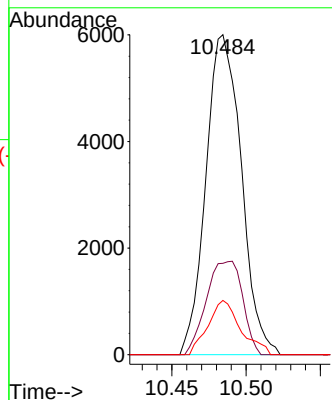
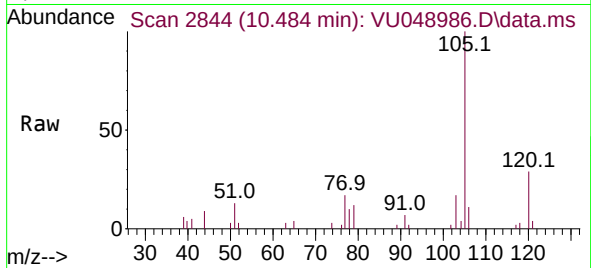




#61
Isopropylbenzene
Concen: 1.009 ug/L
RT: 10.484 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048986.D
Acq: 09 Jun 2022 19:16

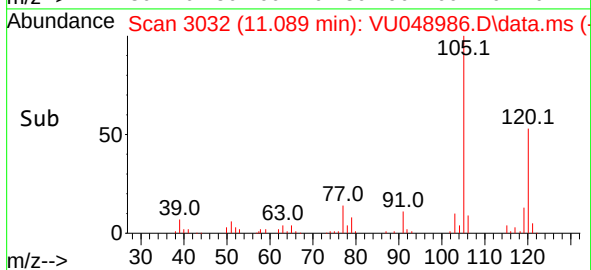
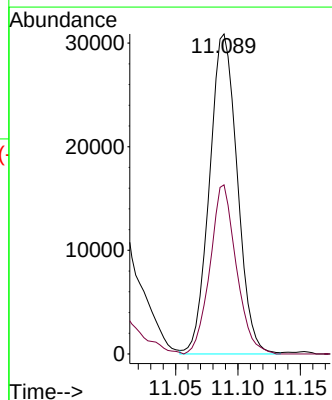
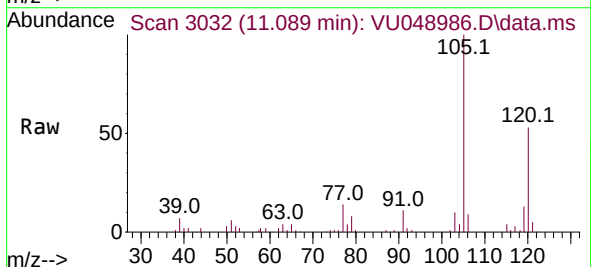
Instrument :
MSVOA_U
ClientSampleId :
EXYY2

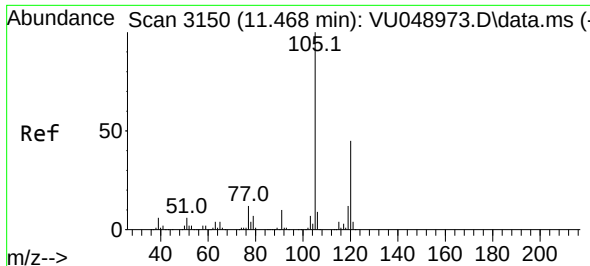
Tgt Ion:105 Resp: 9961
Ion Ratio Lower Upper
105 100
120 29.8 21.0 31.6
77 15.6 12.5 18.7



#62
1,3,5-Trimethylbenzene
Concen: 8.545 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU048986.D
Acq: 09 Jun 2022 19:16

Tgt Ion:105 Resp: 47955
Ion Ratio Lower Upper
105 100
120 49.9 38.5 57.7

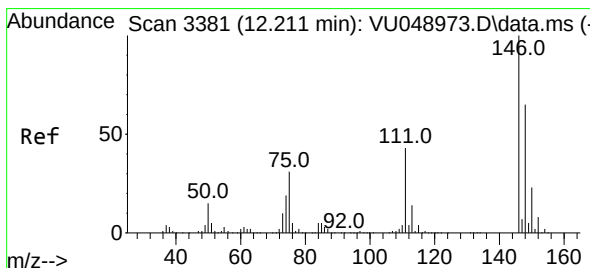
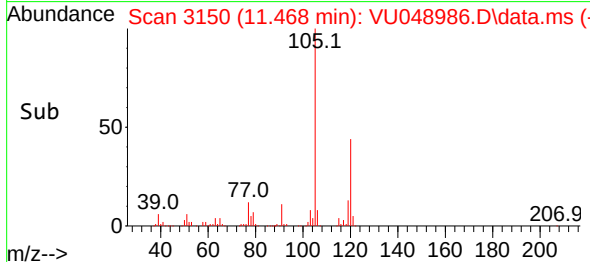
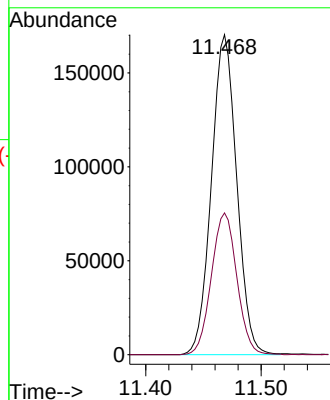
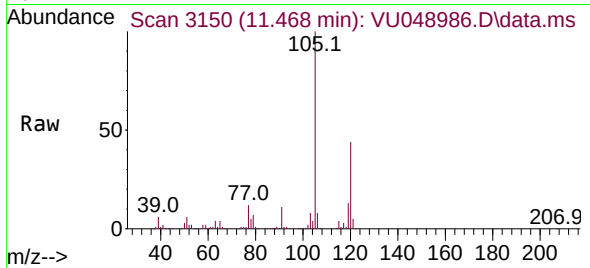




#63
1,2,4-Trimethylbenzene
Concen: 29.706 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU048986.D
Acq: 09 Jun 2022 19:16

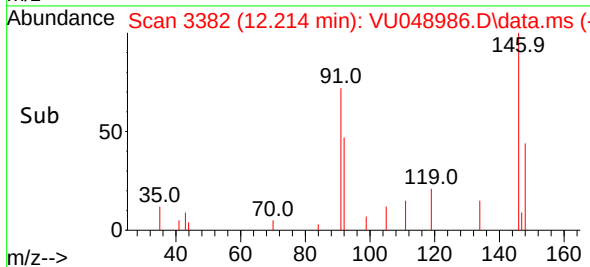
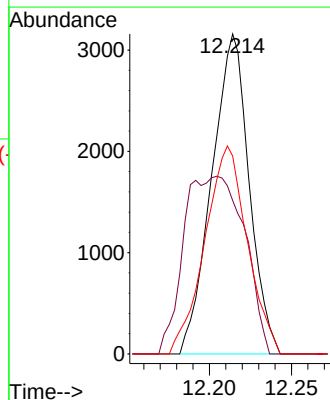
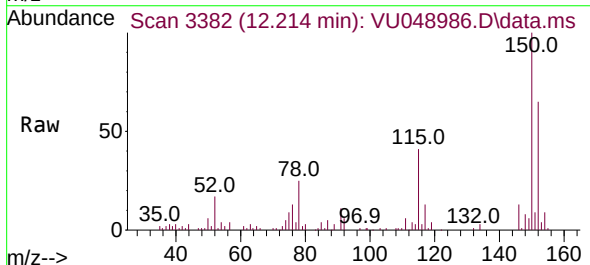
Instrument :
MSVOA_U
ClientSampleId :
EXYY2

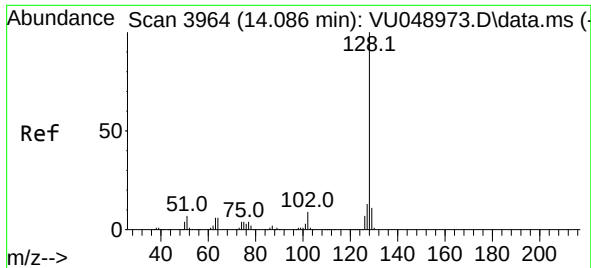
Tgt Ion:105 Resp: 259221
Ion Ratio Lower Upper
105 100
120 44.6 35.4 53.2



#67
1,2-Dichlorobenzene
Concen: 0.964 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU048986.D
Acq: 09 Jun 2022 19:16

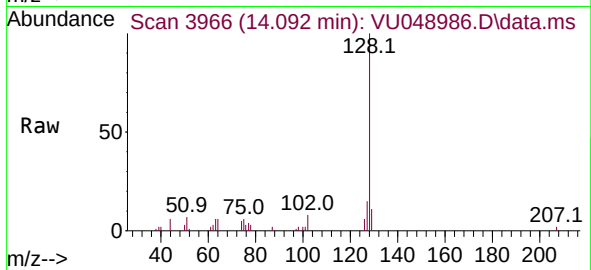
Tgt Ion:146 Resp: 4993
Ion Ratio Lower Upper
146 100
111 47.9 34.1 51.1
148 61.9 50.9 76.3





#71
Naphthalene
Concen: 1.701 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU048986.D
Acq: 09 Jun 2022 19:16

Instrument :
MSVOA_U
ClientSampleId :
EXYY2



Tgt Ion:	128	Resp:	20582
Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.6	16.0
129	10.8	8.8	13.2

