

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U0060922\
 Data File : VU048985.D
 Acq On : 09 Jun 2022 18:52
 Operator : SY/MD
 Sample : N3248-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY1

Quant Time: Jun 10 01:05:44 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	311229	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	299424	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	137272	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	100108	52.516	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 105.040%	
7) Chloroethane-d5	1.899	69	75104	52.588	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 105.180%	
11) 1,1-Dichloroethene-d2	2.562	63	155755	36.129	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 72.260%	
21) 2-Butanone-d5	4.620	46	216074	119.112	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 119.110%	
24) Chloroform-d	5.063	84	210646	43.729	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 87.460%	
26) 1,2-Dichloroethane-d4	5.700	65	136284	40.102	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 80.200%	
32) Benzene-d6	5.726	84	395658	47.480	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 94.960%	
36) 1,2-Dichloropropane-d6	6.690	67	137501	56.206	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 112.420%	
41) Toluene-d8	7.899	98	352268	44.942	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 89.880%	
43) trans-1,3-Dichloroprop...	8.179	79	64520	41.244	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 82.480%	
47) 2-Hexanone-d5	8.632	63	143442	106.917	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 106.920%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	206746	51.073	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 102.140%	
66) 1,2-Dichlorobenzene-d4	12.195	152	142957	50.943	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 101.880%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	83126	37.866	ug/L	95
8) Chloroethane	1.922	64	72723	56.281	ug/L	98
9) Trichlorofluoromethane	2.131	101	5812	1.356	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1254	0.574	ug/L #	17
12) 1,1-Dichloroethene	2.575	96	34147	16.863	ug/L #	40
13) Acetone	2.626	43	4749	3.222	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	6898	3.158	ug/L	95
19) 1,1-Dichloroethane	3.867	63	994179	248.640	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	1015002	412.099	ug/L	96
27) 1,2-Dichloroethane	5.790	62	2603	0.650	ug/L #	66
30) 1,1,1-Trichloroethane	5.317	97	4124103	909.655	ug/L	99
33) Benzene	5.774	78	6305	0.721	ug/L	100
34) Trichloroethene	6.542	95	30696	12.403	ug/L	99
37) 1,2-Dichloropropane	6.690	63	14690	6.716	ug/L #	87
44) trans-1,3-Dichloropropene	8.182	75	2577	0.654	ug/L #	73
46) Tetrachloroethene	8.552	164	33754	16.713	ug/L	95
49) Dibromochloromethane	8.552	129	32656	10.844	ug/L #	12
62) 1,3,5-Trimethylbenzene	11.089	105	12429	2.586	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	39031	5.222	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060922\
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Quant Title : VOC Analysis
QLast Update : Fri Jun 10 01:01:44 2022
Response via : Initial Calibration

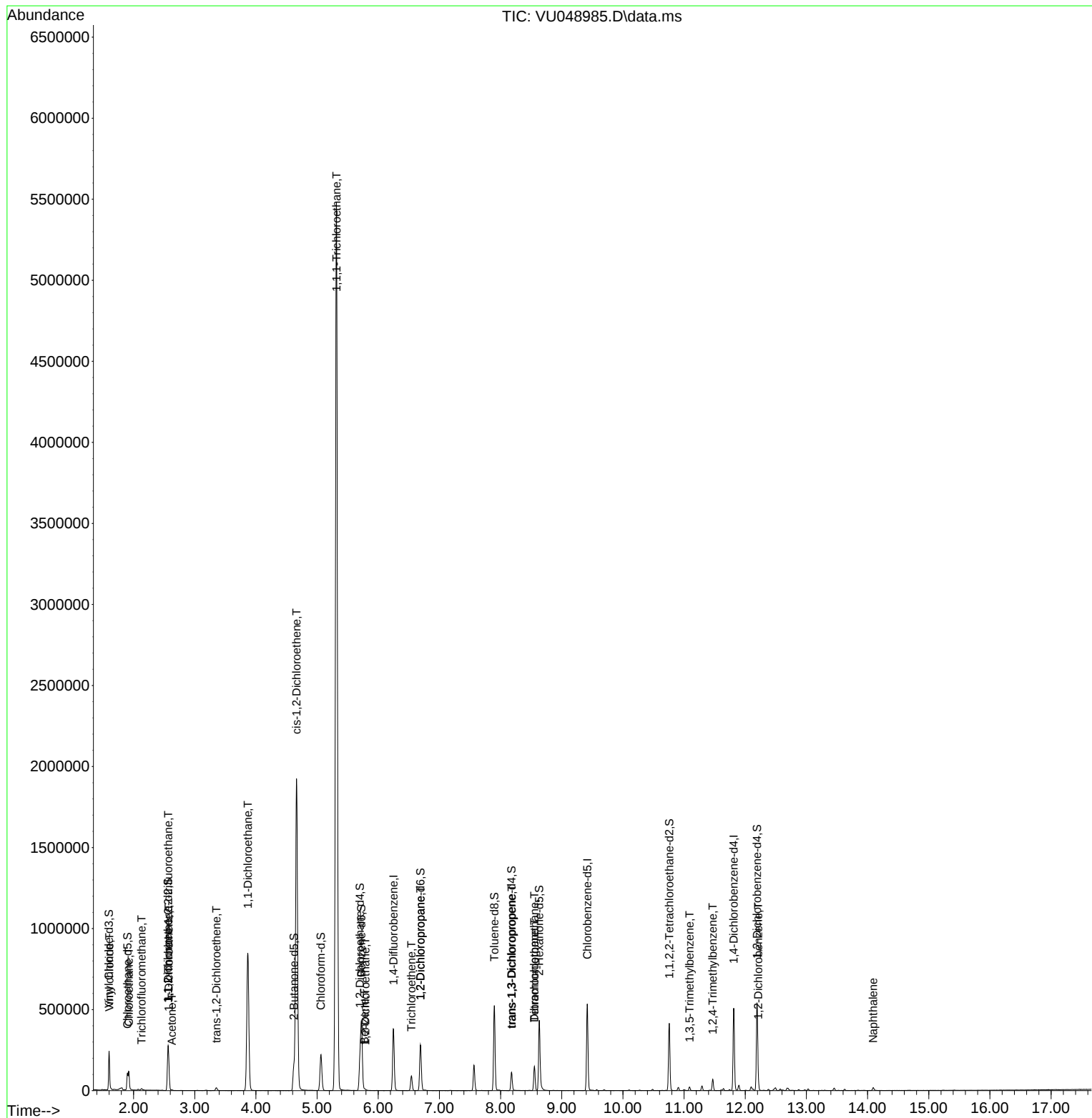
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.211	146	6378	1.438	ug/L	95
71) Naphthalene	14.092	128	16794	1.621	ug/L	98

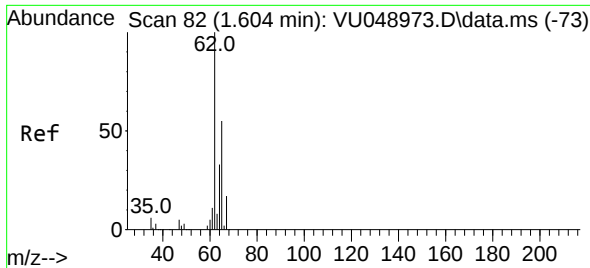
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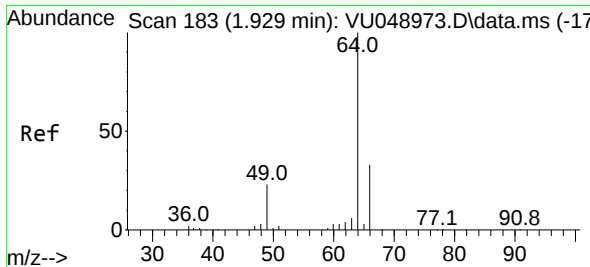
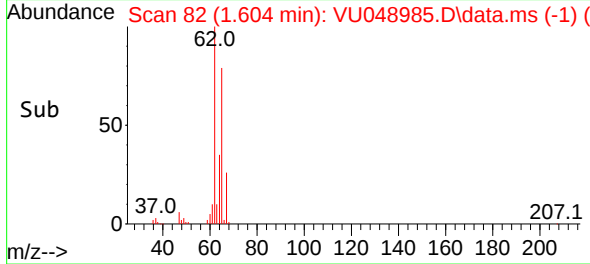
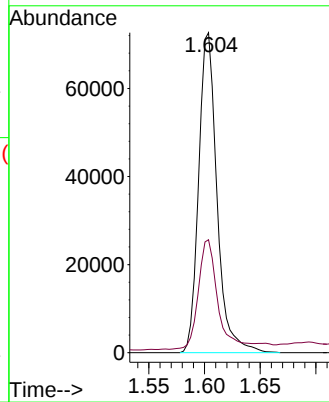
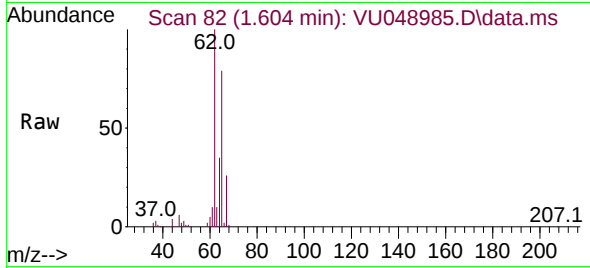




#5
 Vinyl chloride
 Concen: 37.866 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048985.D
 Acq: 09 Jun 2022 18:52

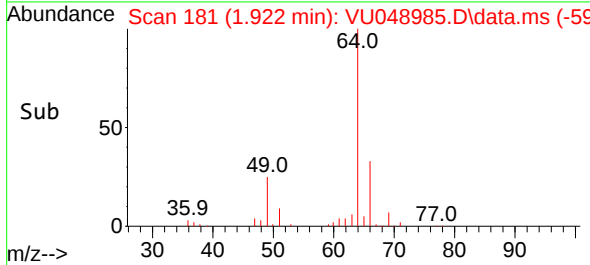
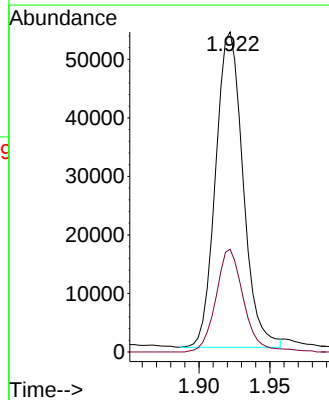
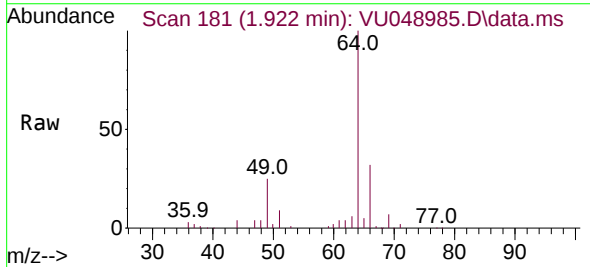
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY1

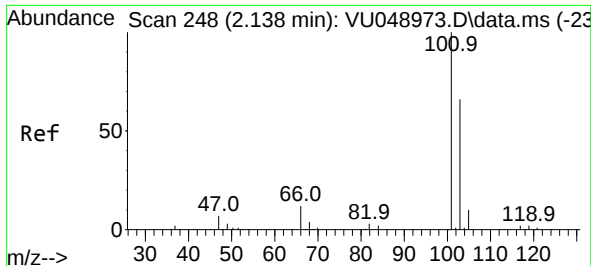
Tgt Ion: 62 Resp: 83126
 Ion Ratio Lower Upper
 62 100
 64 35.3 22.9 42.5



#8
 Chloroethane
 Concen: 56.281 ug/L
 RT: 1.922 min Scan# 181
 Delta R.T. -0.007 min
 Lab File: VU048985.D
 Acq: 09 Jun 2022 18:52

Tgt Ion: 64 Resp: 72723
 Ion Ratio Lower Upper
 64 100
 66 32.1 23.1 42.9

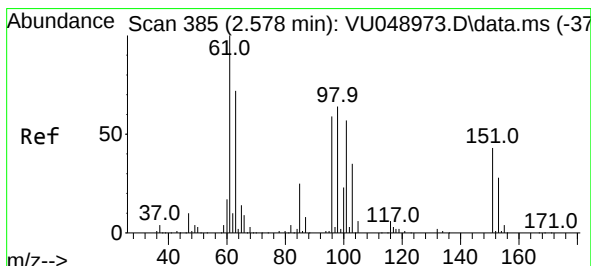
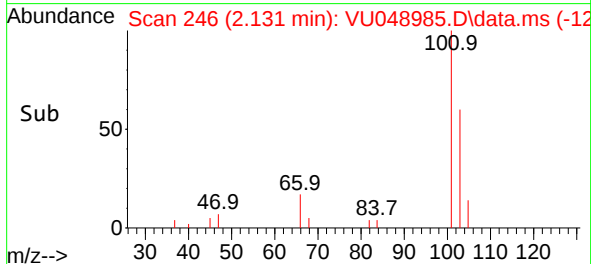
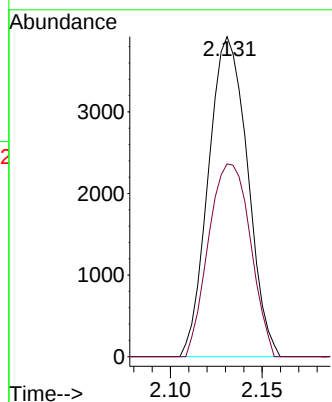
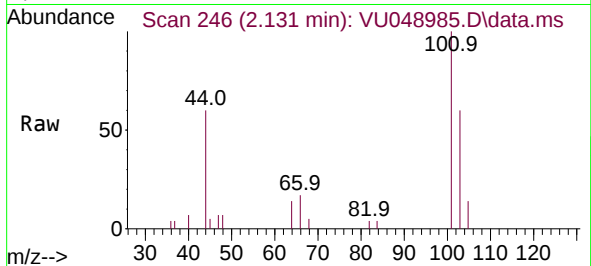




#9
 Trichlorofluoromethane
 Concen: 1.356 ug/L
 RT: 2.131 min Scan# 24
 Delta R.T. -0.007 min
 Lab File: VU048985.D
 Acq: 09 Jun 2022 18:52

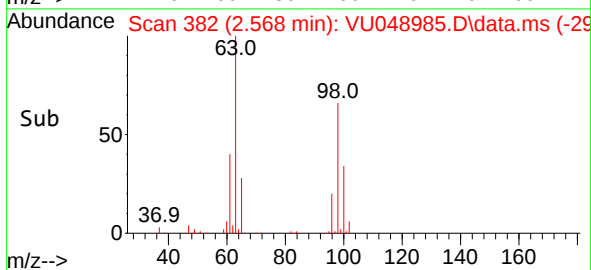
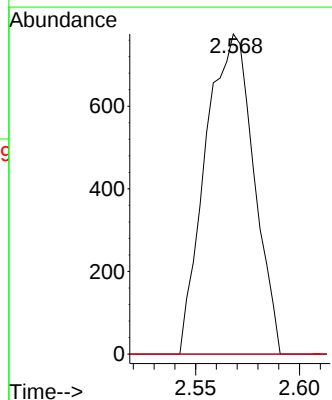
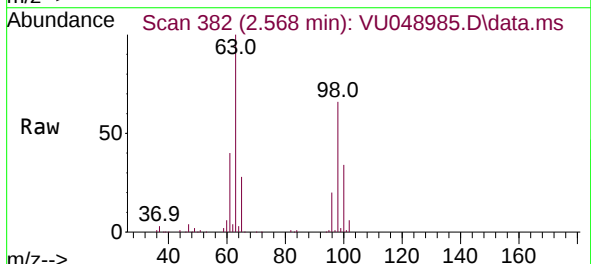
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYY1

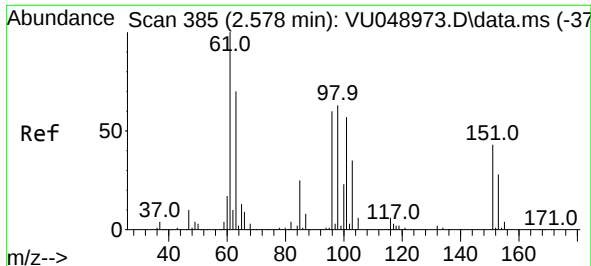
Tgt Ion:101 Resp: 5812
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.6 77.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.574 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.010 min
 Lab File: VU048985.D
 Acq: 09 Jun 2022 18:52

Tgt Ion:101 Resp: 1254
 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: 16.863 ug/L

RT: 2.575 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU048985.D

Acq: 09 Jun 2022 18:52

Instrument :

MSVOA_U

ClientSampleId :

EXYY1

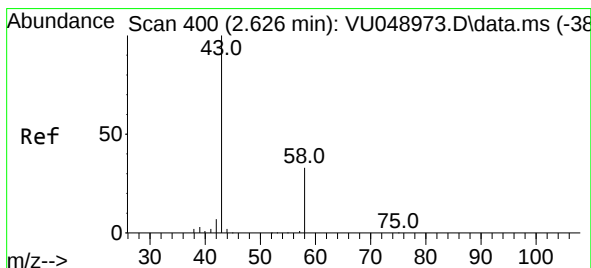
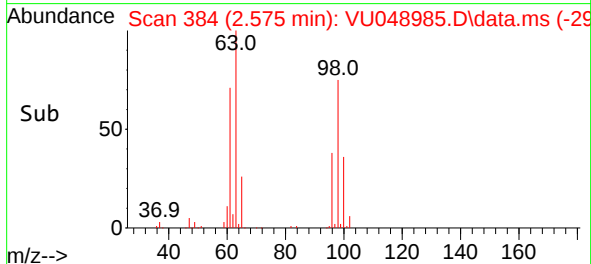
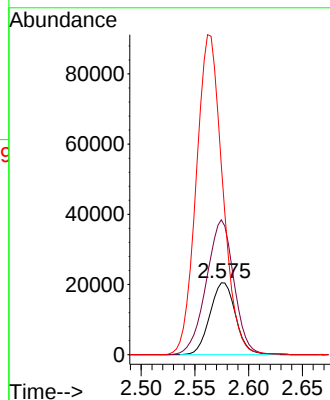
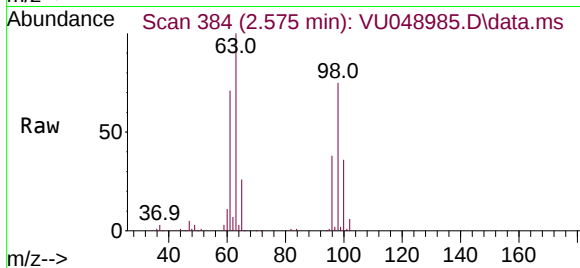
Tgt Ion: 96 Resp: 34147

Ion Ratio Lower Upper

96 100

61 187.4 120.6 224.0

63 263.4 82.3 152.9#



#13

Acetone

Concen: 3.222 ug/L

RT: 2.626 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU048985.D

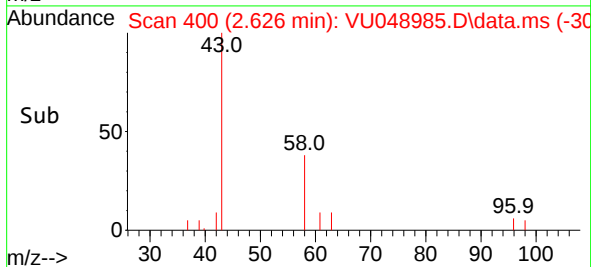
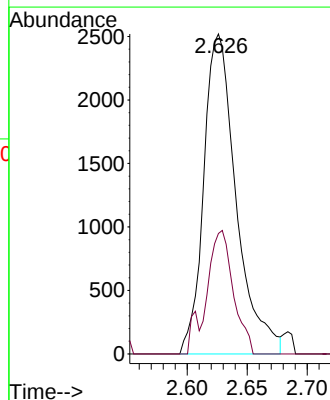
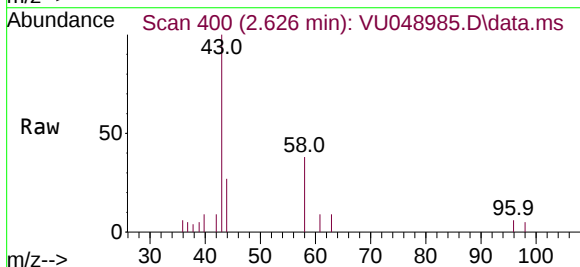
Acq: 09 Jun 2022 18:52

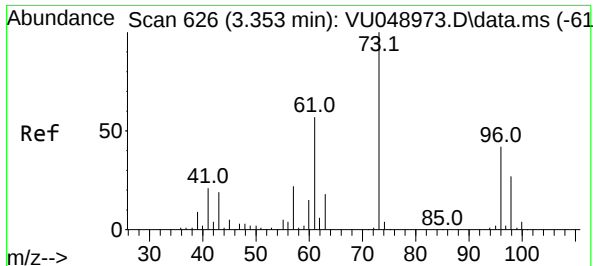
Tgt Ion: 43 Resp: 4749

Ion Ratio Lower Upper

43 100

58 28.8 0.0 59.8

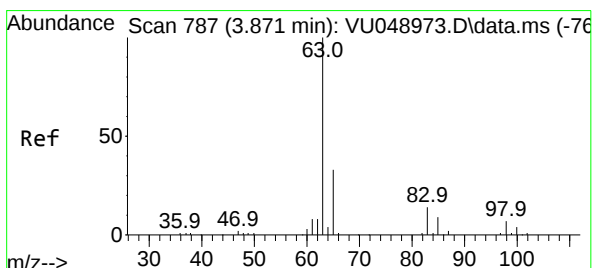
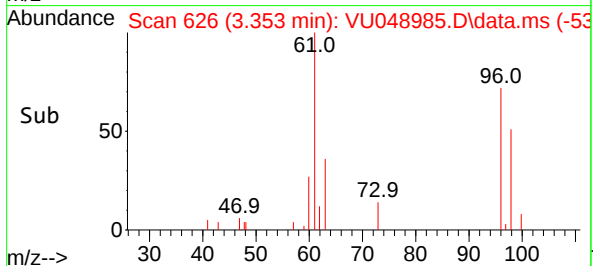
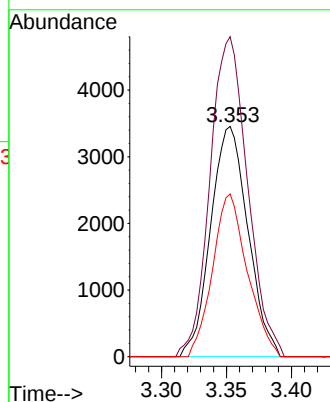
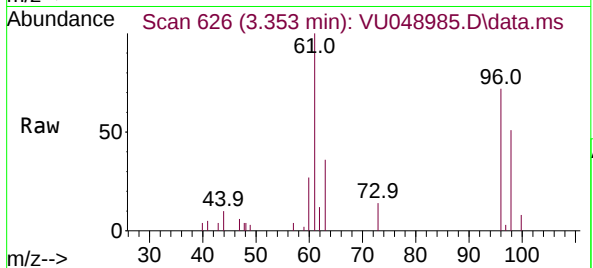




#17
trans-1,2-Dichloroethene
Concen: 3.158 ug/L
RT: 3.353 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU048985.D
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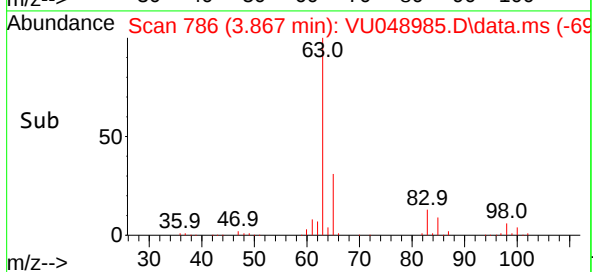
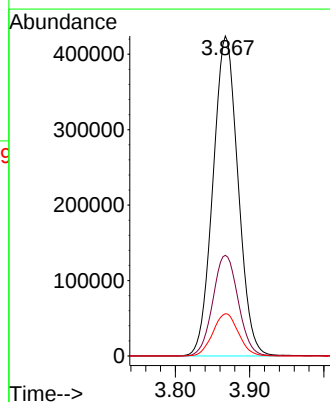
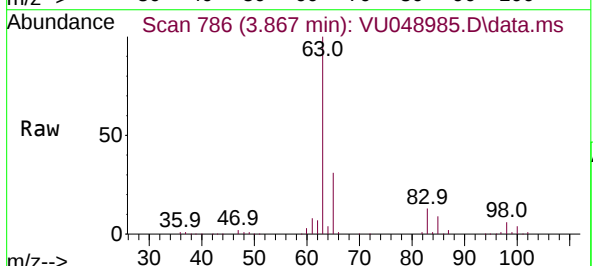
Instrument :
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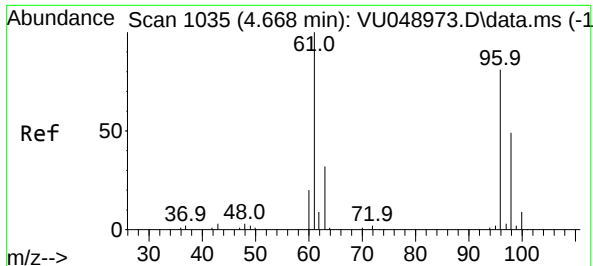
Tgt Ion:	96	Resp:	6898
Ion	Ratio	Lower	Upper
96	100		
61	139.0	94.2	175.0
98	70.7	45.1	83.7



#19
1,1-Dichloroethane
Concen: 248.640 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.003 min
Lab File: VU048985.D
Acq: 09 Jun 2022 18:52

Tgt Ion:	63	Resp:	994179
Ion	Ratio	Lower	Upper
63	100		
65	31.5	21.8	40.6
83	13.2	9.8	18.2

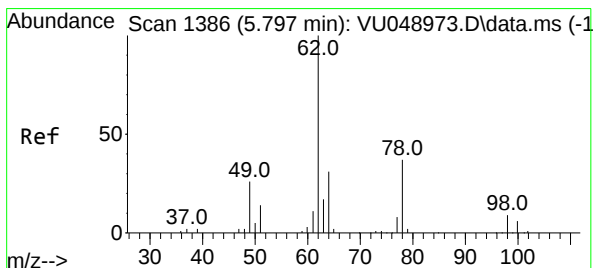
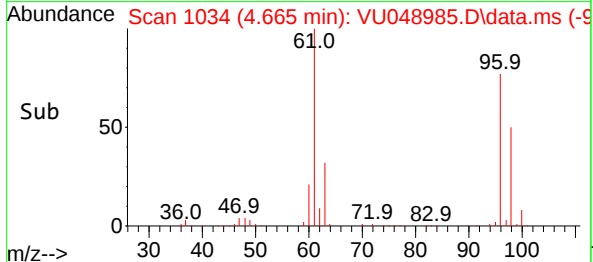
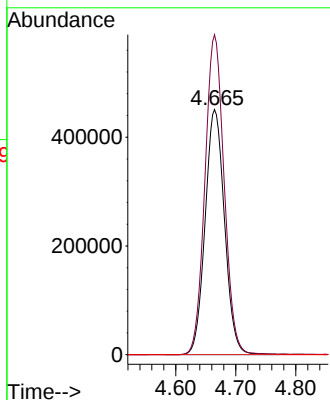
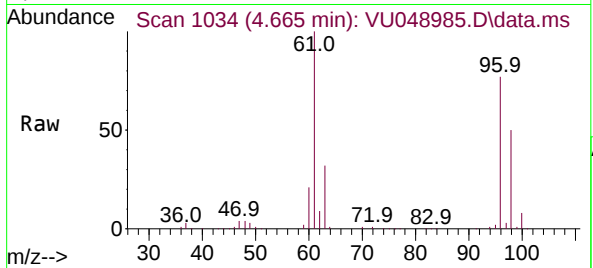




#20
 cis-1,2-Dichloroethene
 Concen: 412.099 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.003 min
 Lab File: VU048985.D
 Acq: 09 Jun 2022 18:52

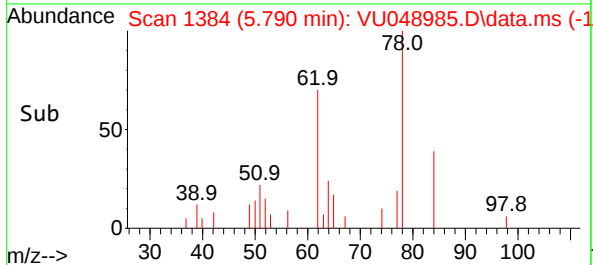
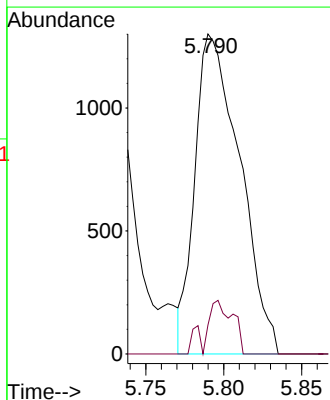
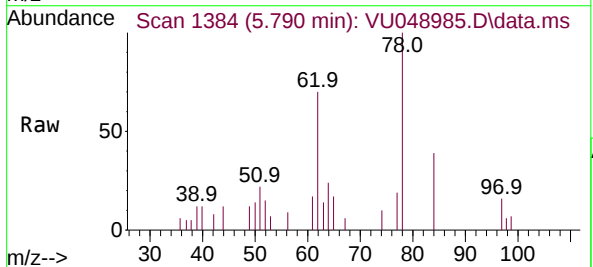
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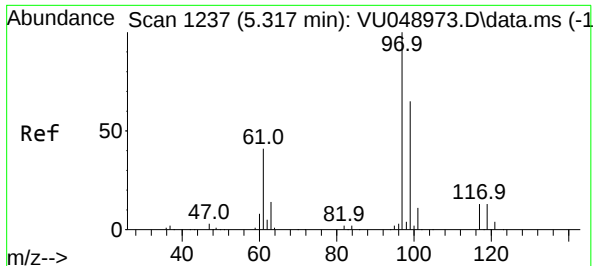
Tgt Ion: 96 Resp: 1015002
 Ion Ratio Lower Upper
 96 100
 61 130.5 88.3 164.1
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.650 ug/L
 RT: 5.790 min Scan# 1384
 Delta R.T. -0.007 min
 Lab File: VU048985.D
 Acq: 09 Jun 2022 18:52

Tgt Ion: 62 Resp: 2603
 Ion Ratio Lower Upper
 62 100
 98 19.5 6.0 9.0#





#30

1,1,1-Trichloroethane

Concen: 909.655 ug/L

RT: 5.317 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048985.D

Acq: 09 Jun 2022 18:52

Instrument :

MSVOA_U

ClientSampleId :

EXYY1

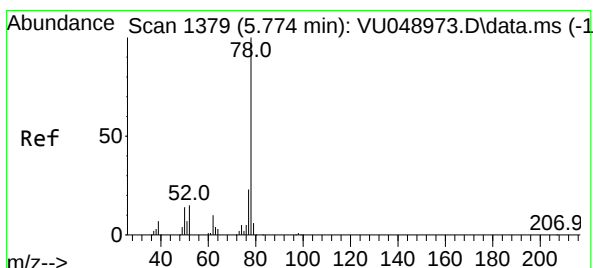
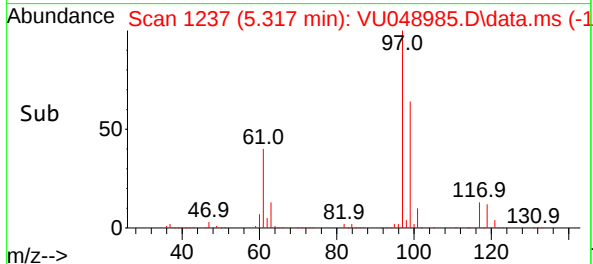
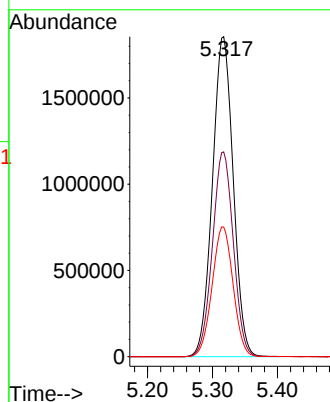
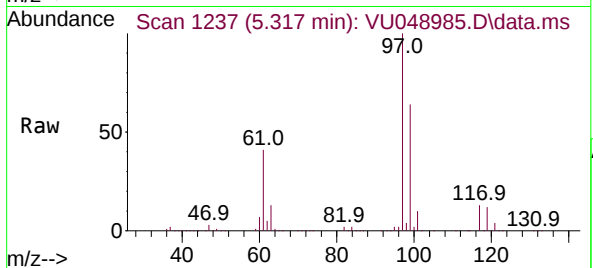
Tgt Ion: 97 Resp: 4124103

Ion Ratio Lower Upper

97 100

99 64.4 50.3 75.5

61 41.0 32.6 48.8



#33

Benzene

Concen: 0.721 ug/L

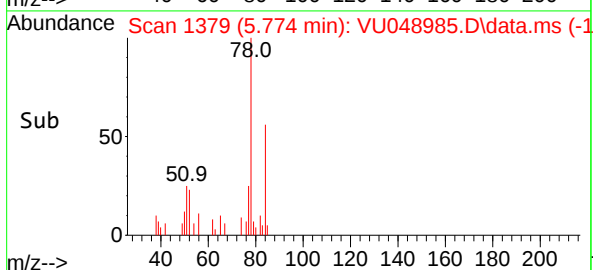
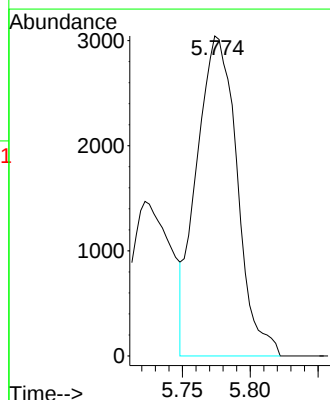
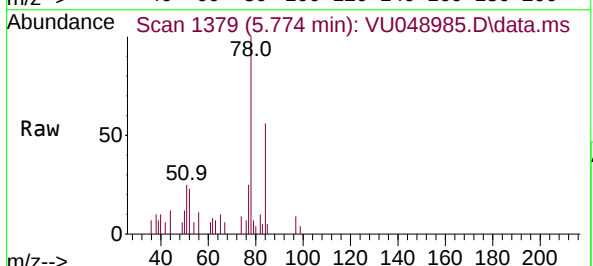
RT: 5.774 min Scan# 1379

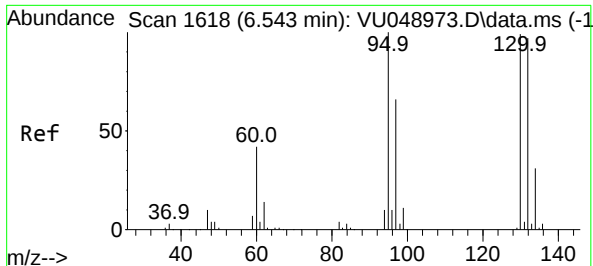
Delta R.T. -0.000 min

Lab File: VU048985.D

Acq: 09 Jun 2022 18:52

Tgt Ion: 78 Resp: 6305

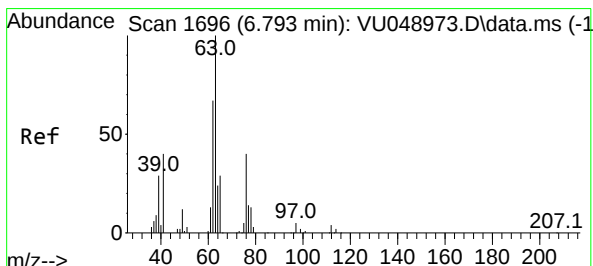
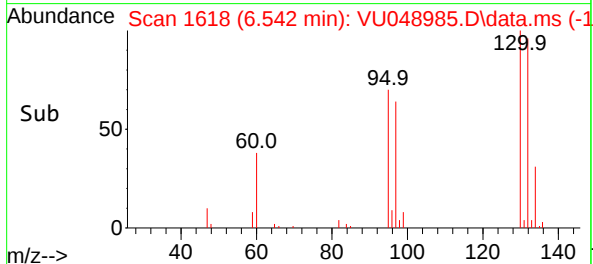
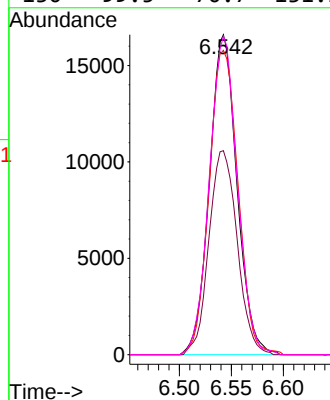
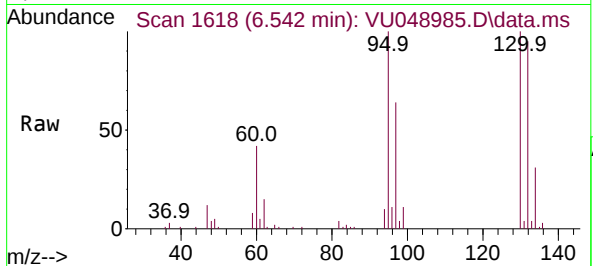




#34
Trichloroethene
Concen: 12.403 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048985.D
Acq: 09 Jun 2022 18:52

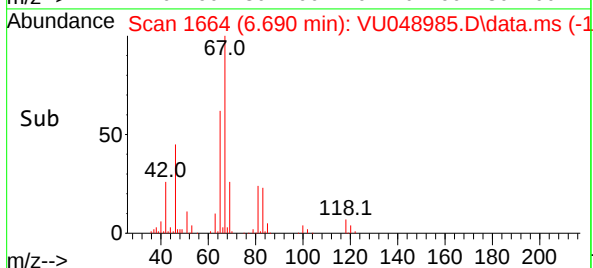
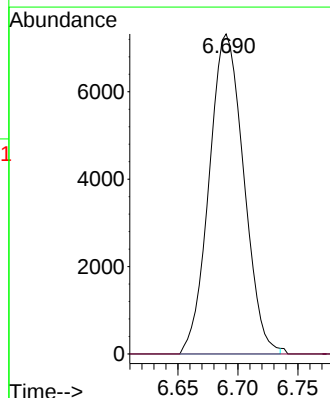
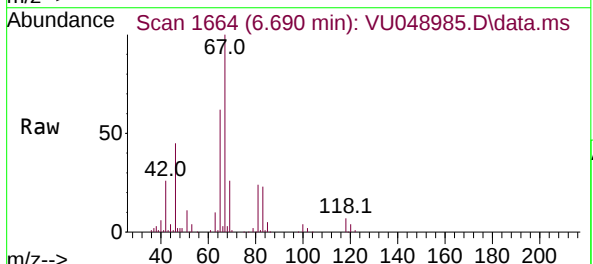
Instrument :
MSVOA_U
ClientSampleId :
EXYY1

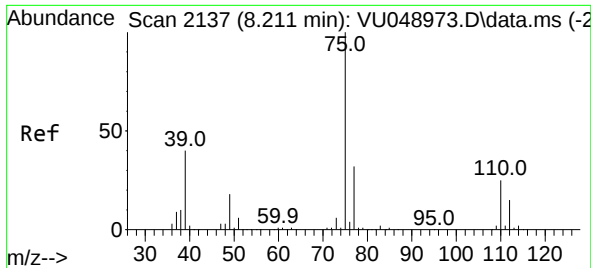
Tgt Ion: 95 Resp: 30696
Ion Ratio Lower Upper
95 100
97 63.8 45.2 84.0
132 95.1 67.3 124.9
130 99.5 70.7 131.3



#37
1,2-Dichloropropane
Concen: 6.716 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU048985.D
Acq: 09 Jun 2022 18:52

Tgt Ion: 63 Resp: 14690
Ion Ratio Lower Upper
63 100
112 0.3 3.7 5.5#

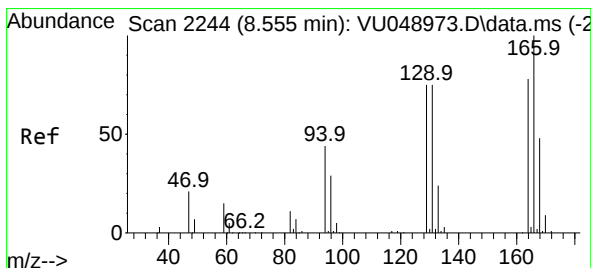
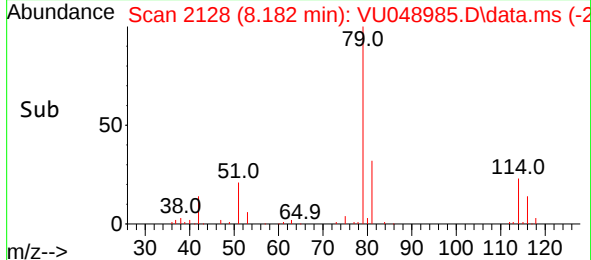
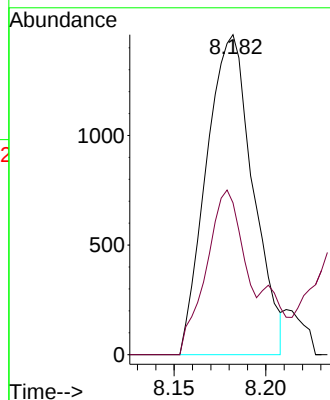
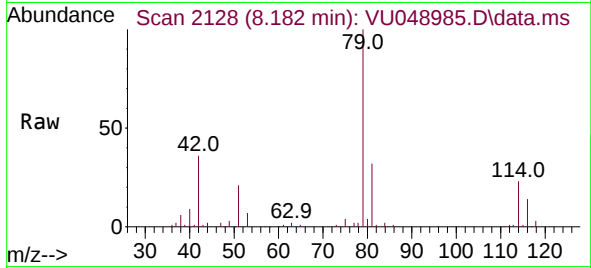




#44
trans-1,3-Dichloropropene
Concen: 0.654 ug/L
RT: 8.182 min Scan# 2137
Delta R.T. -0.029 min
Lab File: VU048985.D
Acq: 09 Jun 2022 18:52

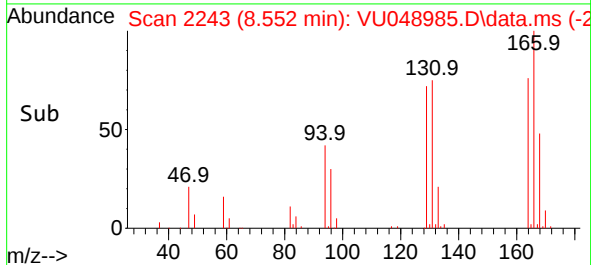
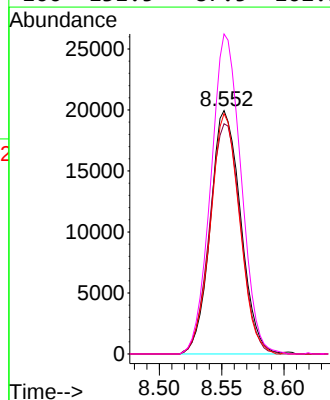
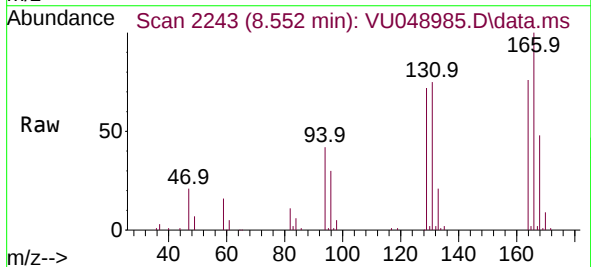
Instrument :
MSVOA_U
ClientSampleId :
EXYY1

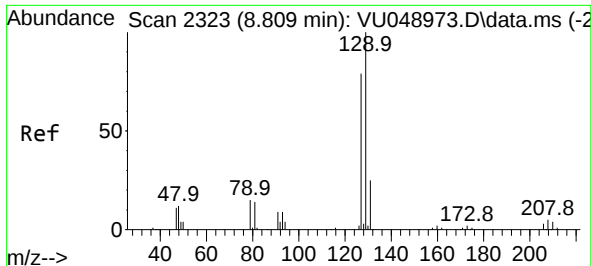
Tgt Ion: 75 Resp: 2577
Ion Ratio Lower Upper
75 100
77 47.5 22.7 42.1#



#46
Tetrachloroethene
Concen: 16.713 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048985.D
Acq: 09 Jun 2022 18:52

Tgt Ion: 164 Resp: 33754
Ion Ratio Lower Upper
164 100
129 94.6 64.3 119.3
131 98.8 64.5 119.7
166 131.5 87.5 162.5





#49

Dibromochloromethane

Concen: 10.844 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU048985.D

Acq: 09 Jun 2022 18:52

Instrument :

MSVOA_U

ClientSampleId :

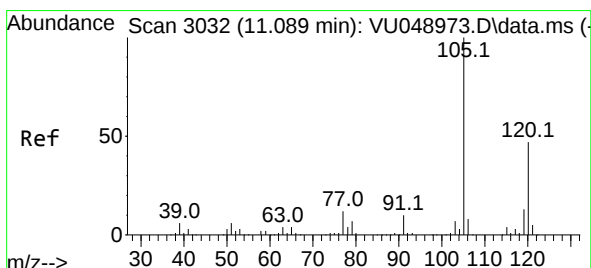
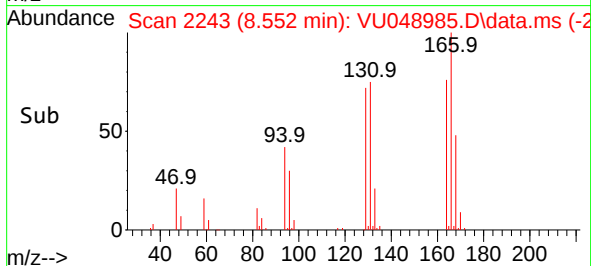
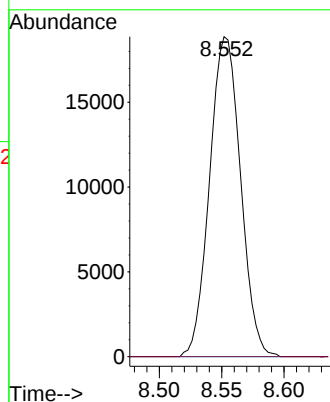
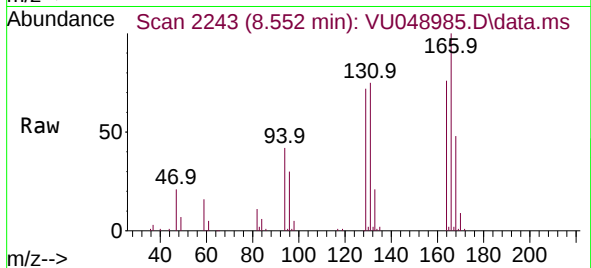
EXYY1

Tgt Ion:129 Resp: 32656

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.5#



#62

1,3,5-Trimethylbenzene

Concen: 2.586 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU048985.D

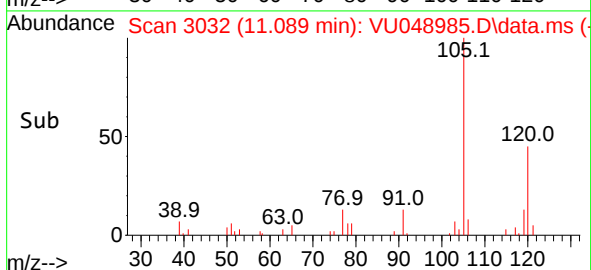
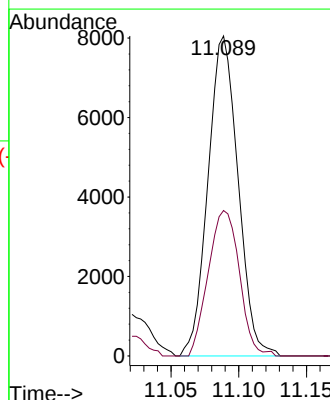
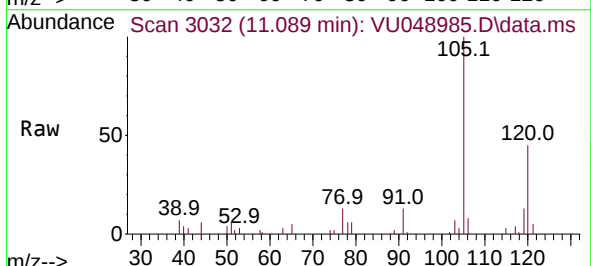
Acq: 09 Jun 2022 18:52

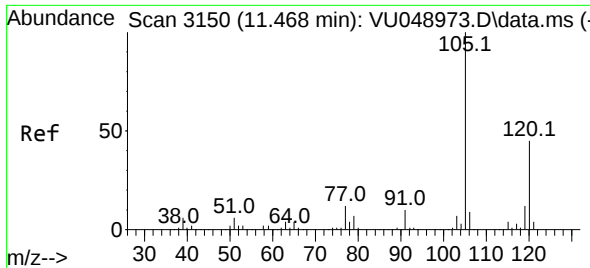
Tgt Ion:105 Resp: 12429

Ion Ratio Lower Upper

105 100

120 46.7 38.5 57.7

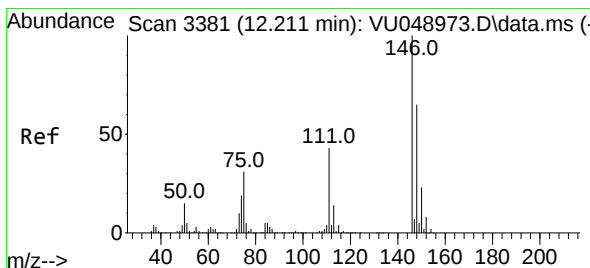
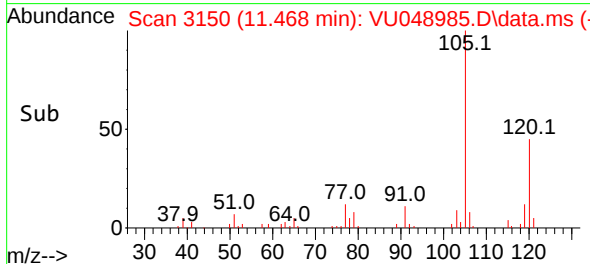
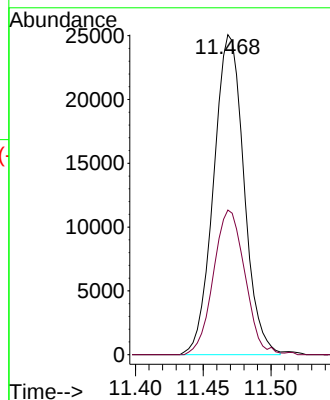
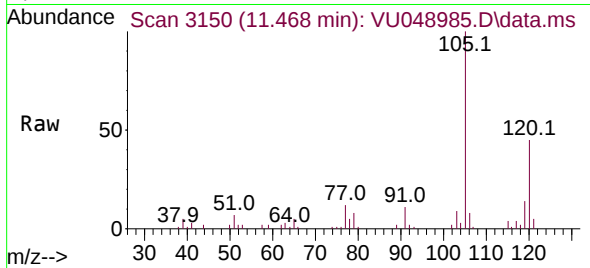




#63
1,2,4-Trimethylbenzene
Concen: 5.222 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU048985.D
Acq: 09 Jun 2022 18:52

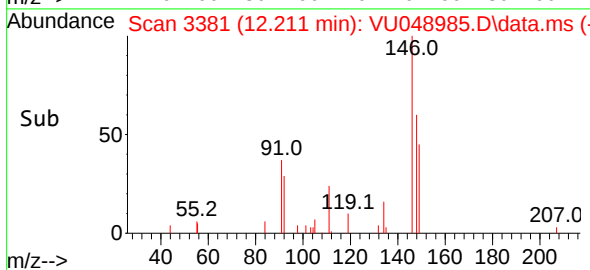
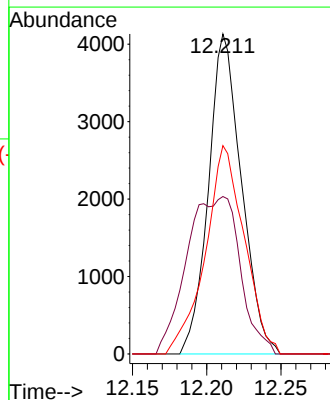
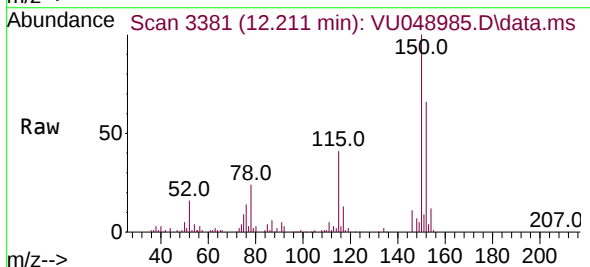
Instrument :
MSVOA_U
ClientSampleId :
EXYY1

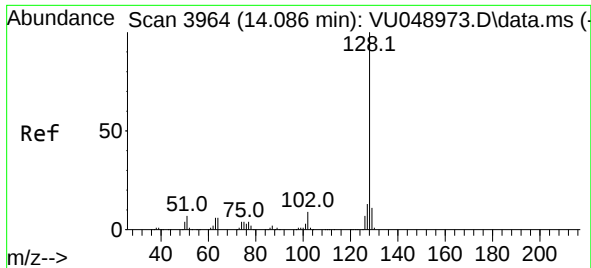
Tgt Ion:105 Resp: 39031
Ion Ratio Lower Upper
105 100
120 46.3 35.4 53.2



#67
1,2-Dichlorobenzene
Concen: 1.438 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU048985.D
Acq: 09 Jun 2022 18:52

Tgt Ion:146 Resp: 6378
Ion Ratio Lower Upper
146 100
111 49.2 34.1 51.1
148 65.1 50.9 76.3





#71

Naphthalene

Concen: 1.621 ug/L

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU048985.D

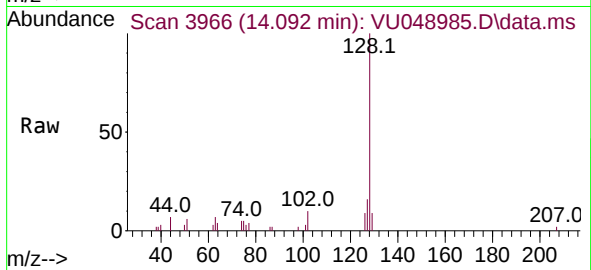
Acq: 09 Jun 2022 18:52

Instrument :

MSVOA_U

ClientSampleId :

EXYY1



Tgt Ion:	128	Resp:	16794
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	9.5	8.8	13.2

