

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072522\
 Data File : VU049884.D
 Acq On : 25 Jul 2022 22:59
 Operator : SY/MD
 Sample : N3870-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ00

Quant Time: Jul 26 06:47:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 26 06:46:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	78761	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	74688	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	30866	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	28601	4.486	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.800%
7) Chloroethane-d5	1.909	69	25850	4.844	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.565	65	12394	4.355	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.000%
20) 2-Butanone-d5	4.632	46	135580	59.095	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.200%
24) Chloroform-d	5.063	84	70362	4.955	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.703	65	41754	5.014	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.729	84	126077	4.954	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.690	67	47249	5.374	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.400%
41) Toluene-d8	7.899	98	99240	4.461	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	8.182	79	14351	4.496	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.636	63	67182	53.111	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.220%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	41307	5.594	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	33679	5.286	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	10606	1.276	ug/L	100
3) Chloromethane	1.520	50	1484	0.145	ug/L	99
5) Vinyl chloride	1.600	62	6043	0.707	ug/L	87
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	30884	6.005	ug/L	96
12) 1,1-Dichloroethene	2.578	96	12800	2.460	ug/L #	84
13) Acetone	2.642	43	6057	4.389	ug/L	96
18) trans-1,2-Dichloroethene	3.350	96	3212	0.534	ug/L	95
19) 1,1-Dichloroethane	3.874	63	17842	1.372	ug/L	96
22) cis-1,2-Dichloroethene	4.668	96	1022061	146.690	ug/L	97
29) 1,1,1-Trichloroethane	5.317	97	3234	0.308	ug/L	95
34) Trichloroethene	6.542	95	1900037	289.149	ug/L	98
35) Methylcyclohexane	6.690	83	10471	1.292	ug/L #	16
37) 1,2-Dichloropropane	6.694	63	5100	0.660	ug/L #	89
45) 1,1,2-Trichloroethane	8.404	97	857	0.155	ug/L	83
47) Tetrachloroethene	8.552	164	39343	8.698	ug/L	95
48) 2-Hexanone	8.687	43	16373	4.072	ug/L #	82
49) Dibromochloromethane	8.552	129	39644	6.434	ug/L #	14
61) 1,2,3-Trichloropropane	11.812	75	4614	1.122	ug/L #	66
63) 1,2,4-Trimethylbenzene	11.465	105	2326	0.139	ug/L	99

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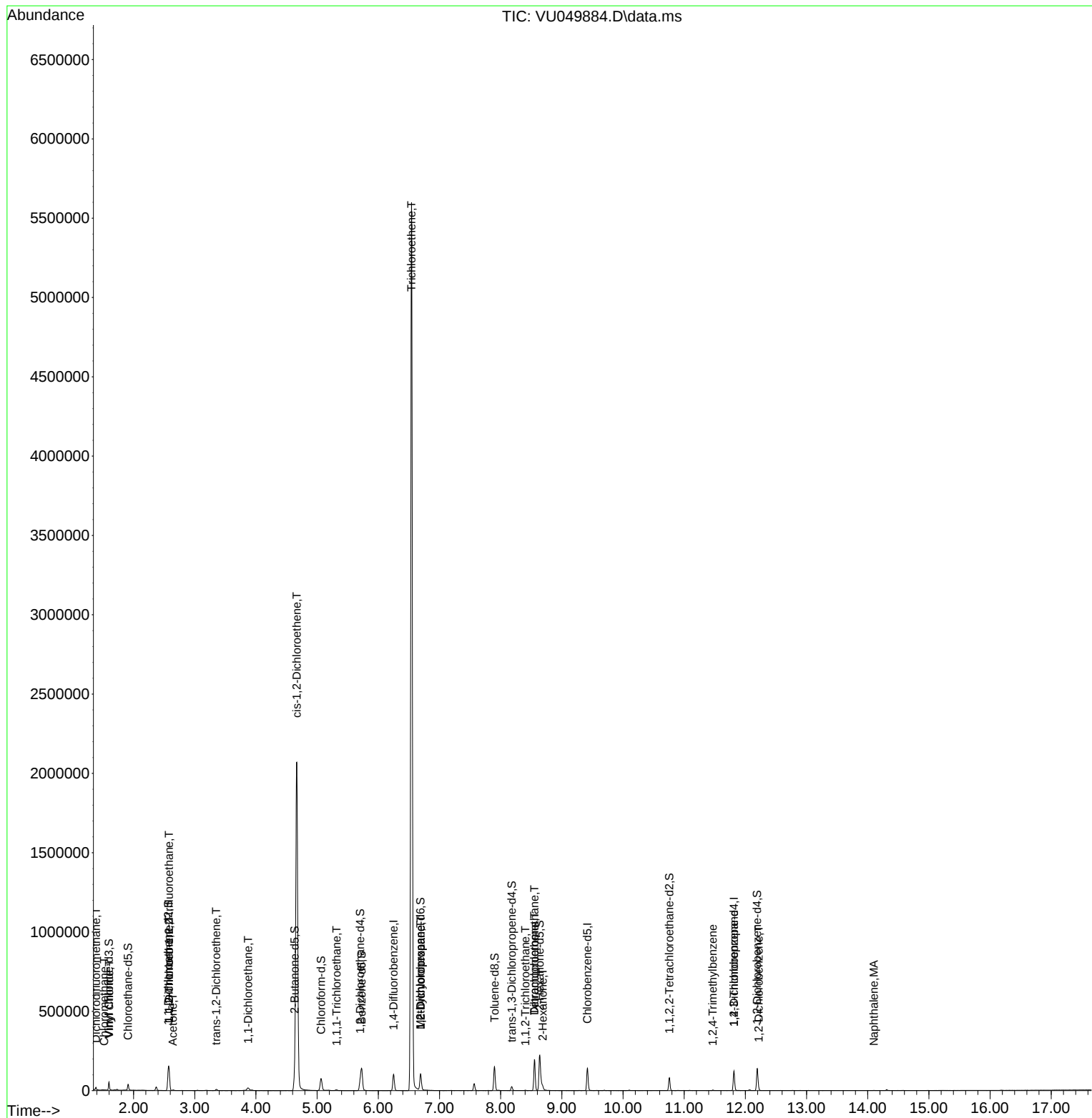
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.217	146	4160	0.417	ug/L	95
71) Naphthalene	14.102	128	1294	0.106	ug/L #	74

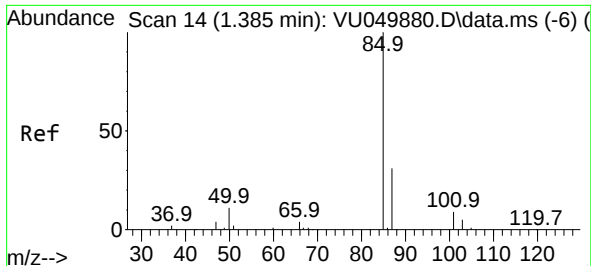
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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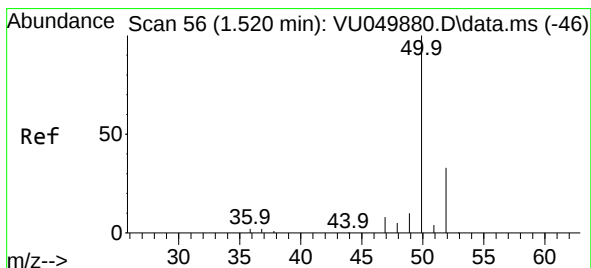
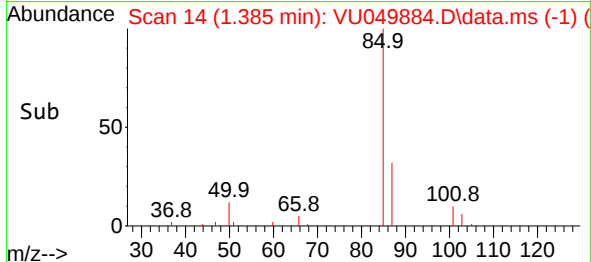
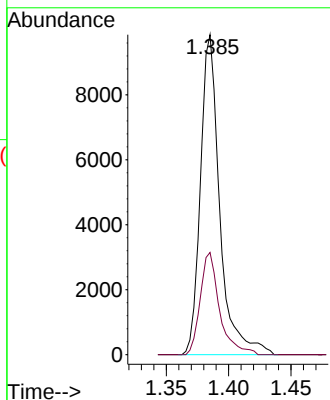
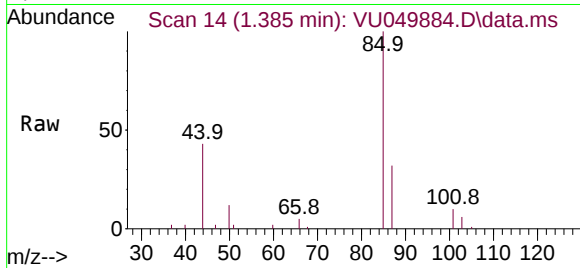




#2
Dichlorodifluoromethane
Concen: 1.276 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU049884.D
Acq: 25 Jul 2022 22:59

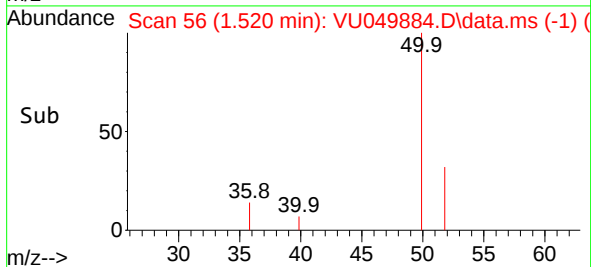
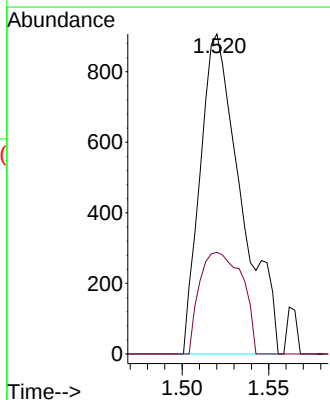
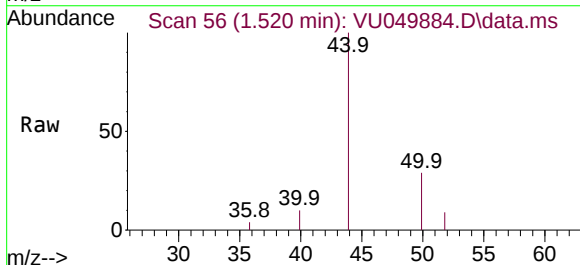
Instrument :
MSVOA_U
ClientSampleId :
GBJ00

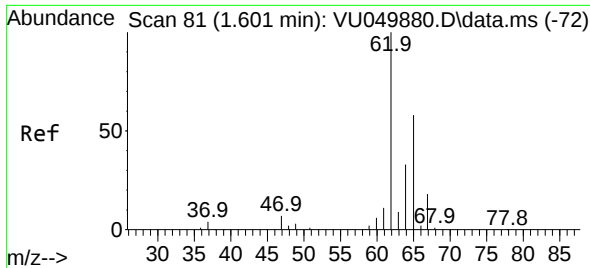
Tgt Ion: 85 Resp: 10606
Ion Ratio Lower Upper
85 100
87 32.0 25.4 38.2



#3
Chloromethane
Concen: 0.145 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU049884.D
Acq: 25 Jul 2022 22:59

Tgt Ion: 50 Resp: 1484
Ion Ratio Lower Upper
50 100
52 31.8 22.5 41.7

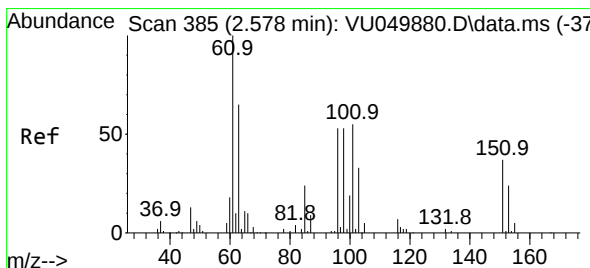
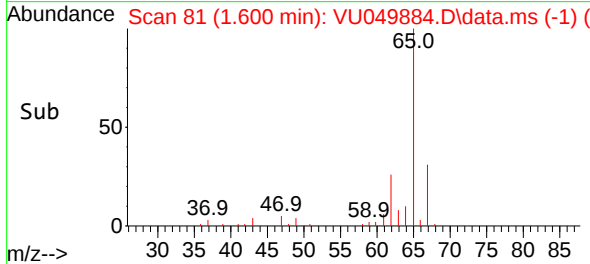
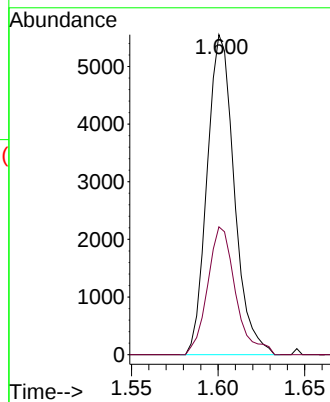
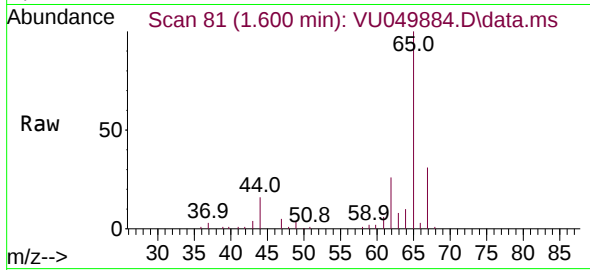




#5
 Vinyl chloride
 Concen: 0.707 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049884.D
 Acq: 25 Jul 2022 22:59

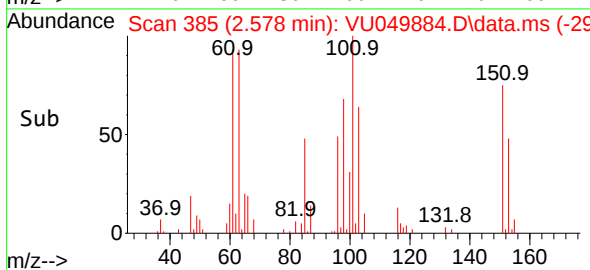
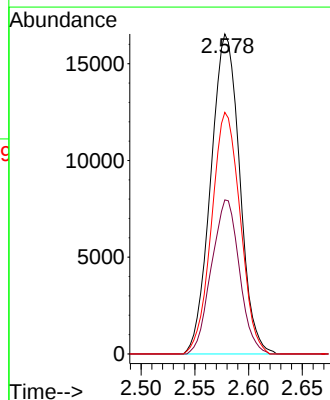
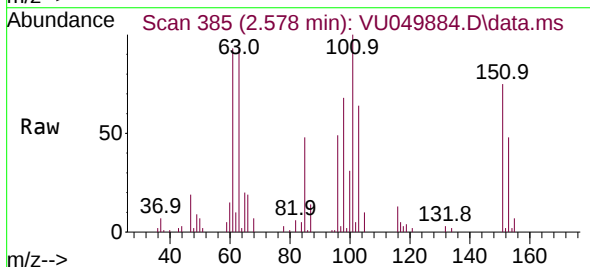
Instrument :
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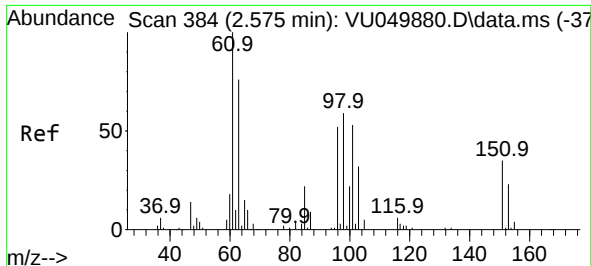
Tgt Ion: 62 Resp: 6043
 Ion Ratio Lower Upper
 62 100
 64 39.9 22.7 42.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 6.005 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU049884.D
 Acq: 25 Jul 2022 22:59

Tgt Ion: 101 Resp: 30884
 Ion Ratio Lower Upper
 101 100
 85 46.6 37.2 55.8
 151 75.0 56.0 84.0





#12

1,1-Dichloroethene

Concen: 2.460 ug/L

RT: 2.578 min Scan# 384

Delta R.T. 0.003 min

Lab File: VU049884.D

Acq: 25 Jul 2022 22:59

Instrument :

MSVOA_U

ClientSampleId :

GBJ00

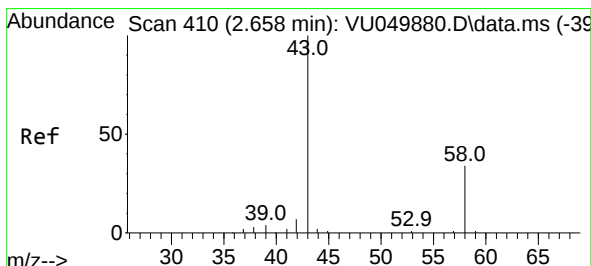
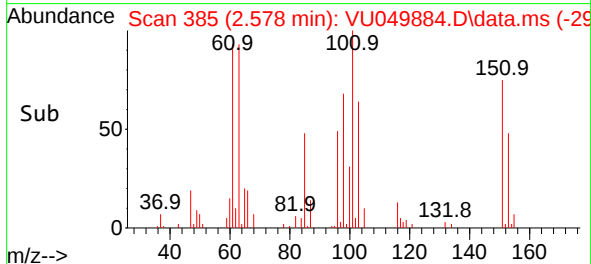
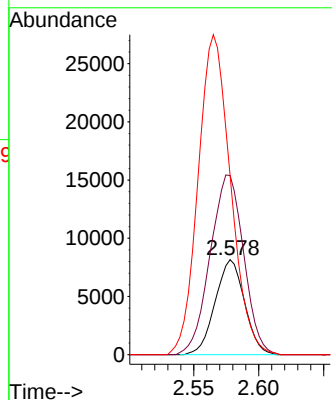
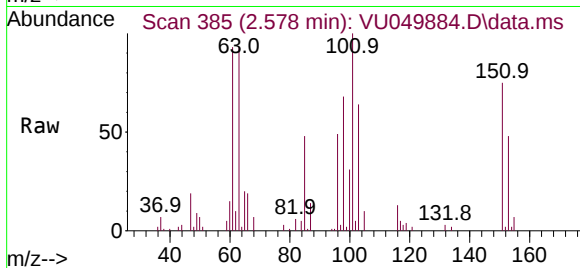
Tgt Ion: 96 Resp: 12800

Ion Ratio Lower Upper

96 100

61 188.6 131.6 244.4

63 188.3 100.0 185.6#



#13

Acetone

Concen: 4.389 ug/L

RT: 2.642 min Scan# 405

Delta R.T. -0.016 min

Lab File: VU049884.D

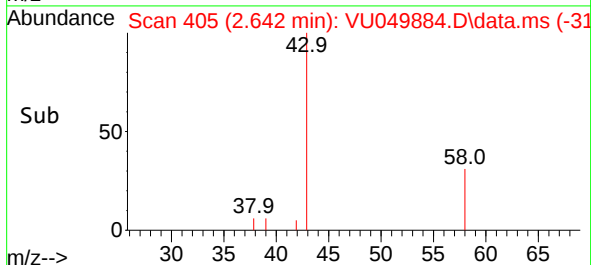
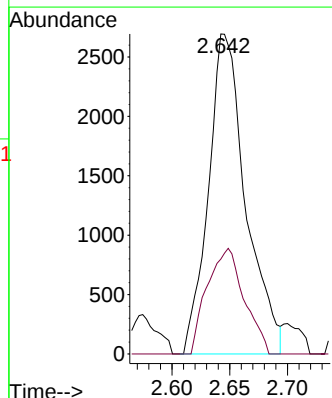
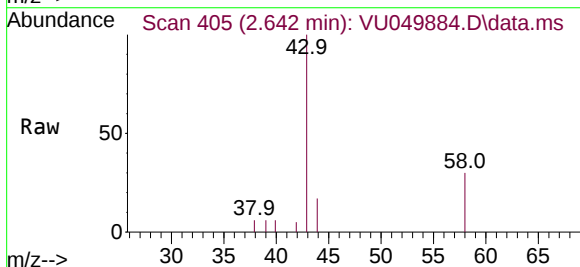
Acq: 25 Jul 2022 22:59

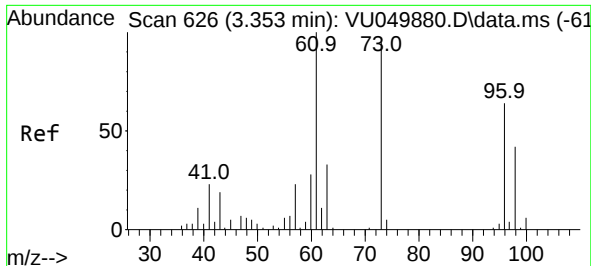
Tgt Ion: 43 Resp: 6057

Ion Ratio Lower Upper

43 100

58 32.7 0.0 61.0

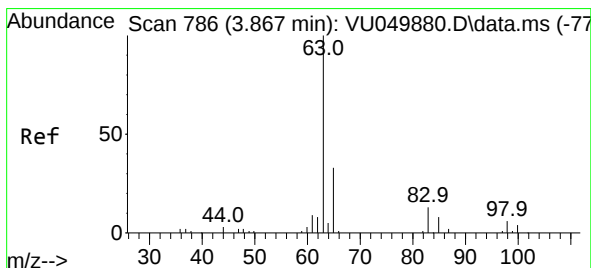
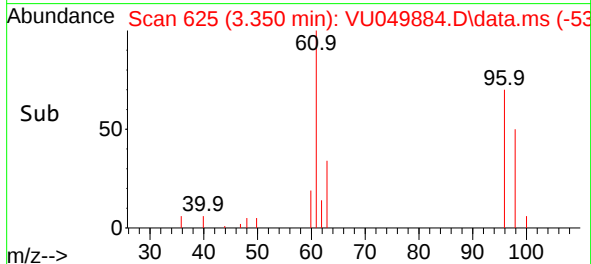
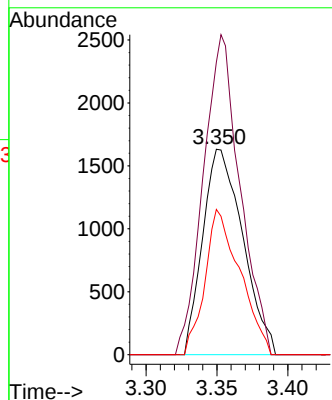
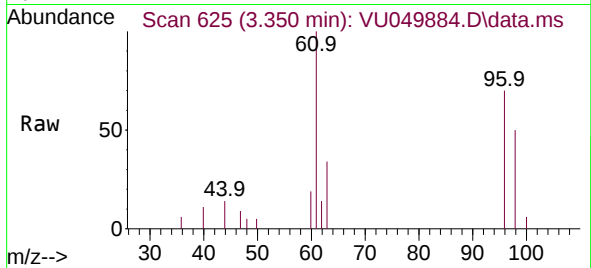




#18
trans-1,2-Dichloroethene
Concen: 0.534 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU049884.D
Acq: 25 Jul 2022 22:59

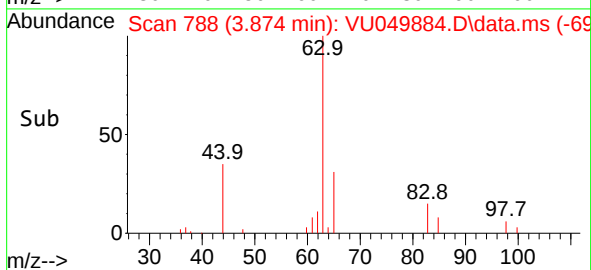
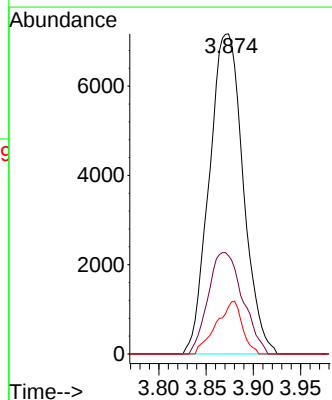
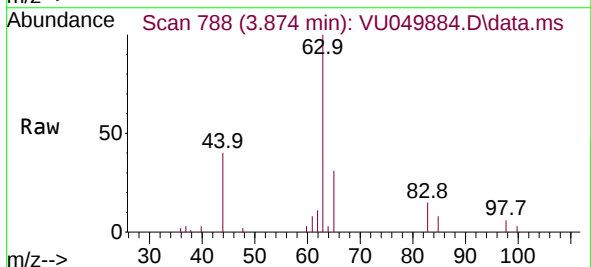
Instrument :
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GBJ00

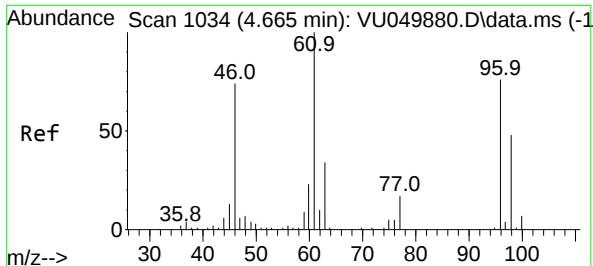
Tgt Ion: 96 Resp: 3212
Ion Ratio Lower Upper
96 100
61 142.4 101.5 188.5
98 70.7 42.5 78.9



#19
1,1-Dichloroethane
Concen: 1.372 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.006 min
Lab File: VU049884.D
Acq: 25 Jul 2022 22:59

Tgt Ion: 63 Resp: 17842
Ion Ratio Lower Upper
63 100
65 30.7 22.5 41.9
83 14.7 8.3 15.5





#22

cis-1,2-Dichloroethene

Concen: 146.690 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU049884.D

Acq: 25 Jul 2022 22:59

Instrument :

MSVOA_U

ClientSampleId :

GBJ00

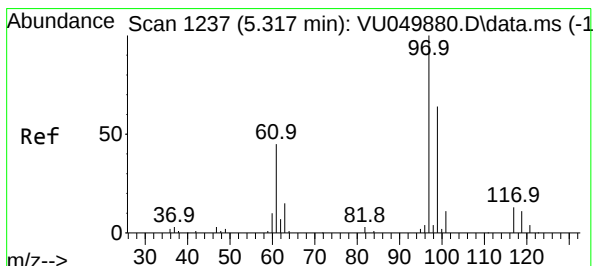
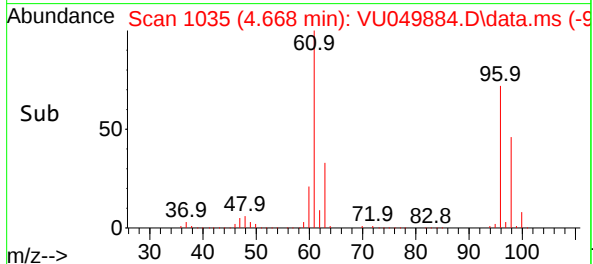
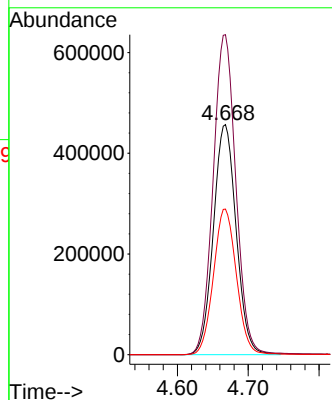
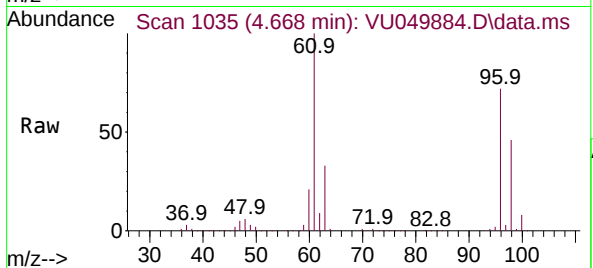
Tgt Ion: 96 Resp: 1022061

Ion Ratio Lower Upper

96 100

61 139.0 93.9 174.3

98 63.3 43.9 81.5



#29

1,1,1-Trichloroethane

Concen: 0.308 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU049884.D

Acq: 25 Jul 2022 22:59

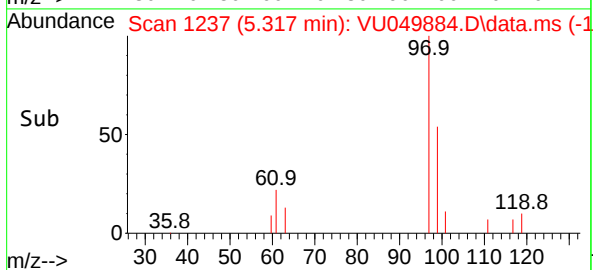
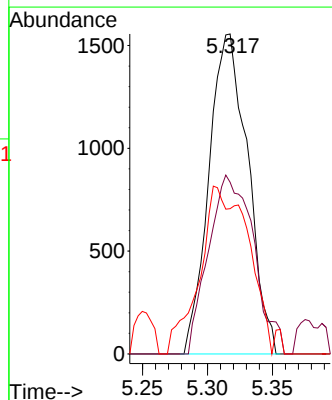
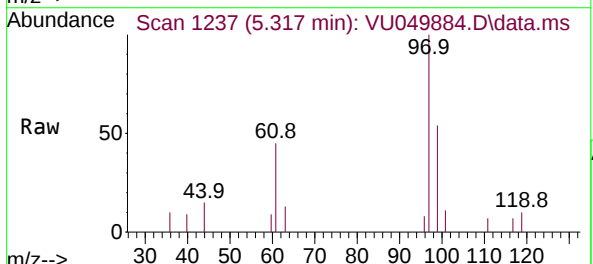
Tgt Ion: 97 Resp: 3234

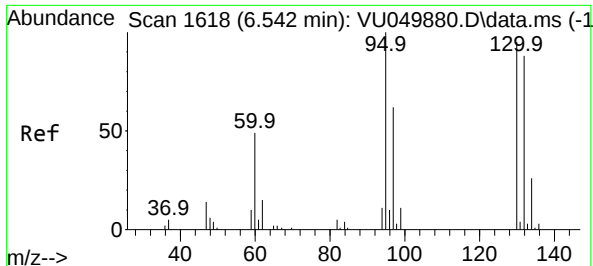
Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.8

61 39.8 38.3 57.5

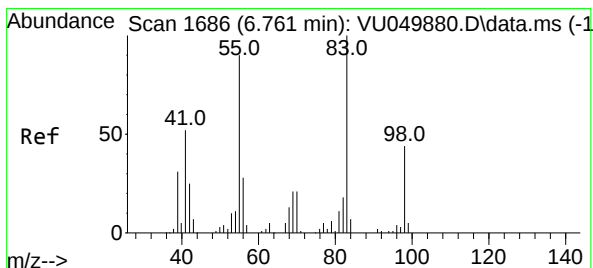
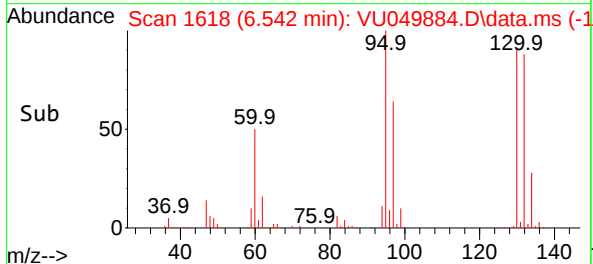
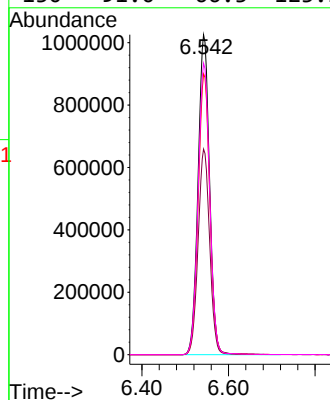
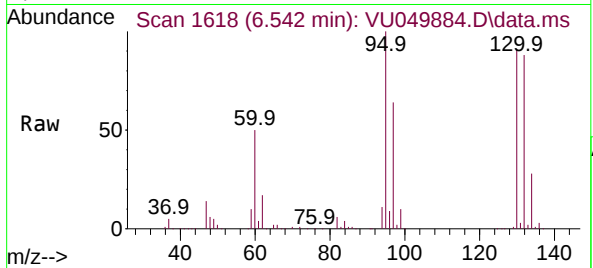




#34
Trichloroethene
Concen: 289.149 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU049884.D
Acq: 25 Jul 2022 22:59

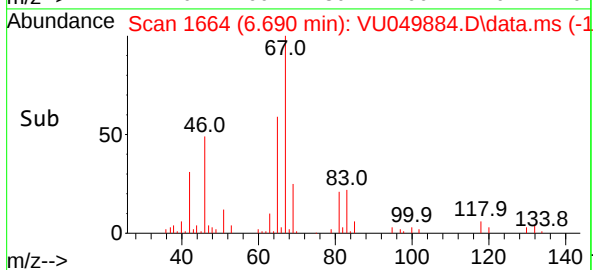
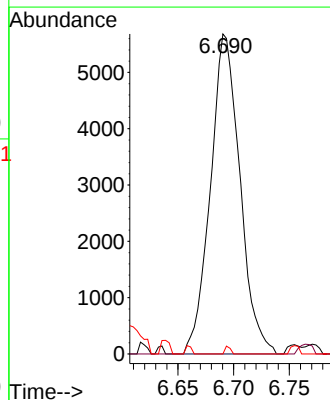
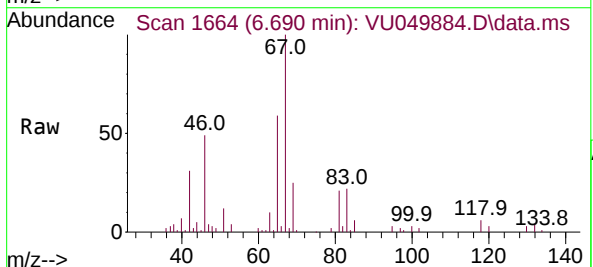
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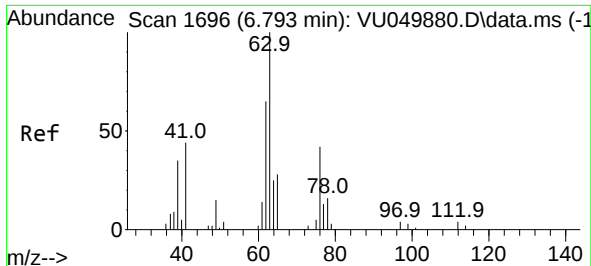
Tgt Ion: 95 Resp: 1900037
Ion Ratio Lower Upper
95 100
97 64.3 46.8 86.8
132 87.7 61.8 114.8
130 91.0 66.3 123.1



#35
Methylcyclohexane
Concen: 1.292 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU049884.D
Acq: 25 Jul 2022 22:59

Tgt Ion: 83 Resp: 10471
Ion Ratio Lower Upper
83 100
55 1.4 69.0 103.4#
98 0.0 36.4 54.6#





#37

1,2-Dichloropropane

Concen: 0.660 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU049884.D

Acq: 25 Jul 2022 22:59

Instrument :

MSVOA_U

ClientSampleId :

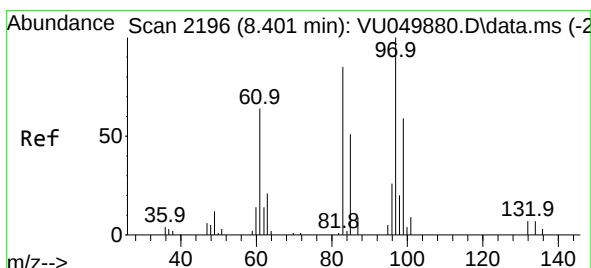
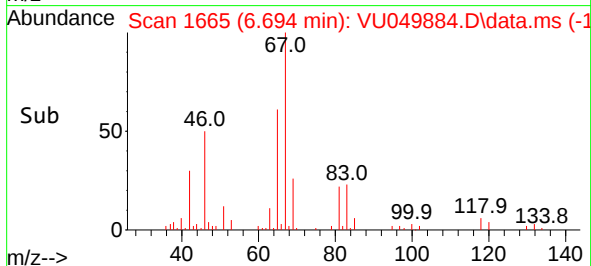
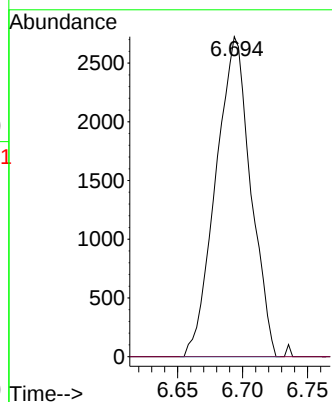
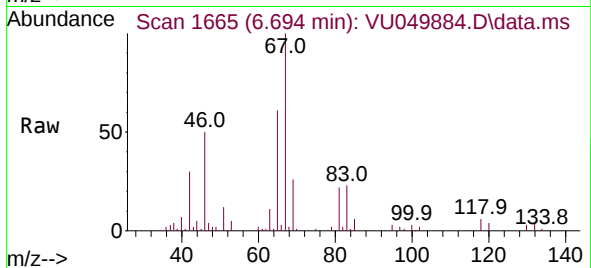
GBJ00

Tgt Ion: 63 Resp: 5100

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#45

1,1,2-Trichloroethane

Concen: 0.155 ug/L

RT: 8.404 min Scan# 2197

Delta R.T. 0.003 min

Lab File: VU049884.D

Acq: 25 Jul 2022 22:59

Tgt Ion: 97 Resp: 857

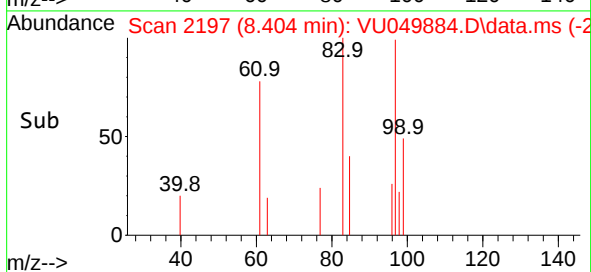
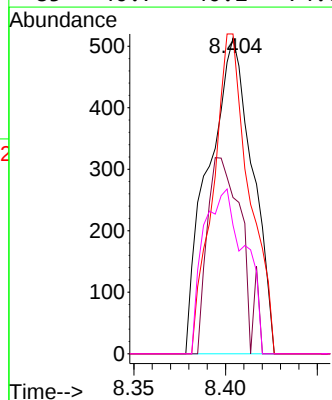
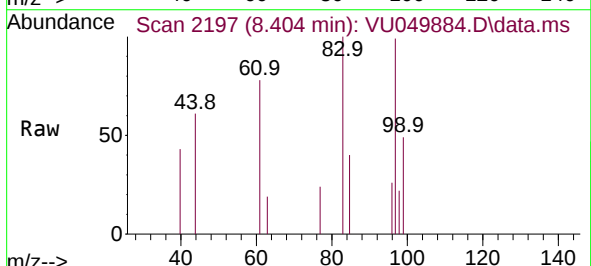
Ion Ratio Lower Upper

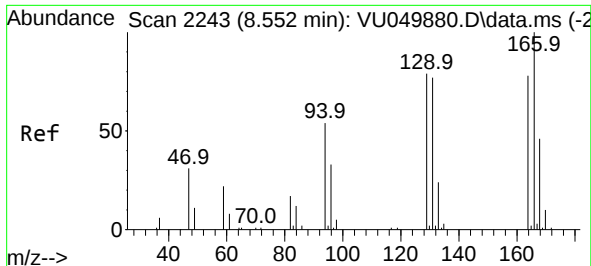
97 100

99 49.5 43.8 81.3

83 101.4 62.4 115.8

85 40.7 40.2 74.6

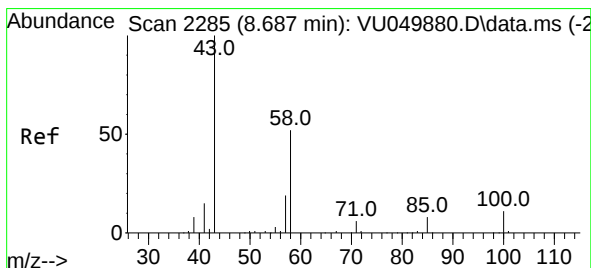
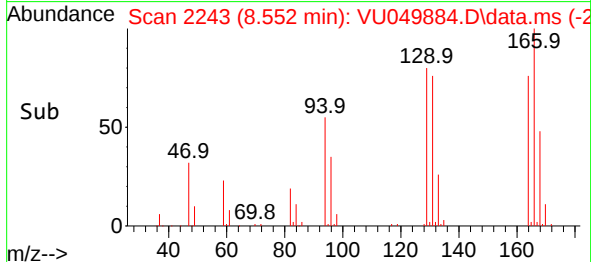
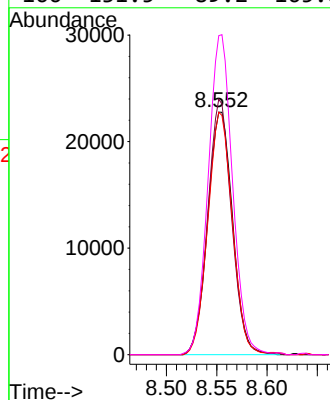
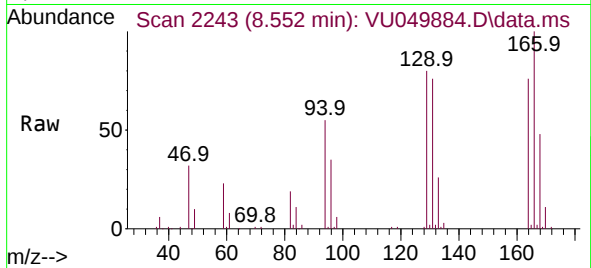




#47
Tetrachloroethene
Concen: 8.698 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049884.D
Acq: 25 Jul 2022 22:59

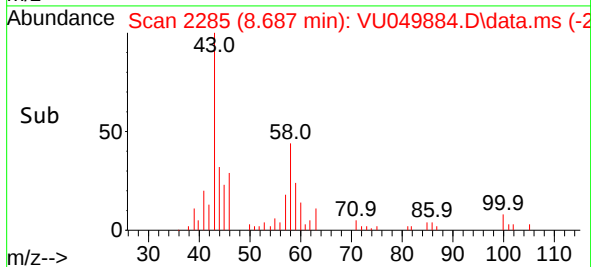
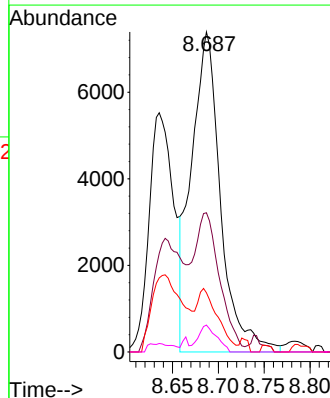
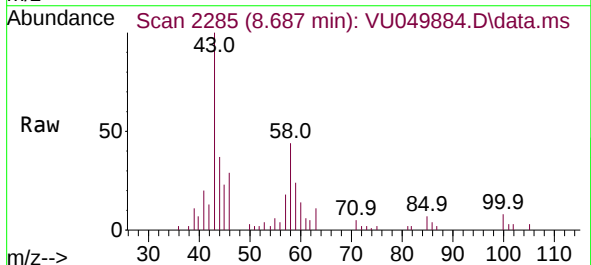
Instrument :
MSVOA_U
ClientSampleId :
GBJ00

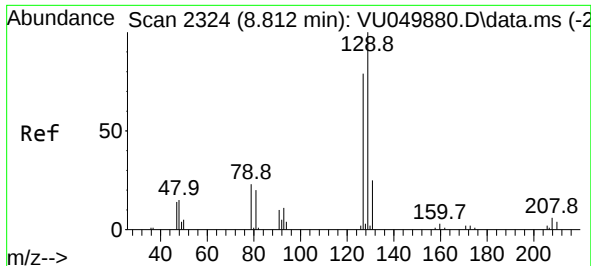
Tgt Ion:164 Resp: 39343
Ion Ratio Lower Upper
164 100
129 105.3 68.9 127.9
131 99.9 67.5 125.4
166 131.5 89.2 165.8



#48
2-Hexanone
Concen: 4.072 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VU049884.D
Acq: 25 Jul 2022 22:59

Tgt Ion: 43 Resp: 16373
Ion Ratio Lower Upper
43 100
58 37.7 42.1 63.1#
57 13.6 14.3 21.5#
100 5.2 7.9 11.9#





#49

Dibromochloromethane

Concen: 6.434 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.261 min

Lab File: VU049884.D

Acq: 25 Jul 2022 22:59

Instrument :

MSVOA_U

ClientSampleId :

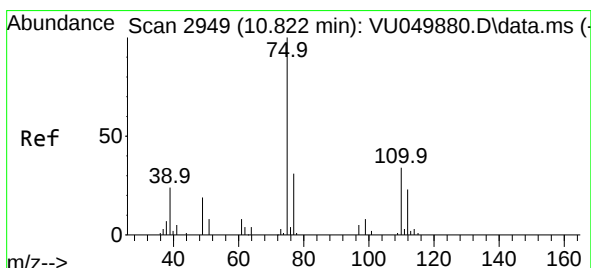
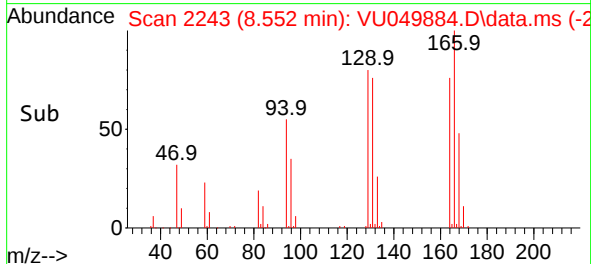
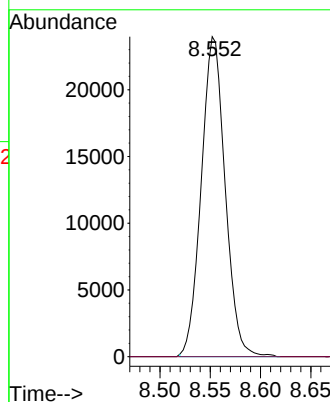
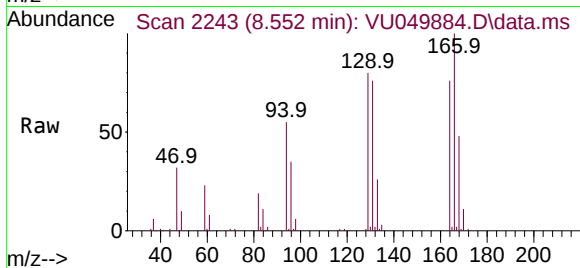
GBJ00

Tgt Ion:129 Resp: 39644

Ion Ratio Lower Upper

129 100

127 0.0 50.5 93.7#



#61

1,2,3-Trichloropropane

Concen: 1.122 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.990 min

Lab File: VU049884.D

Acq: 25 Jul 2022 22:59

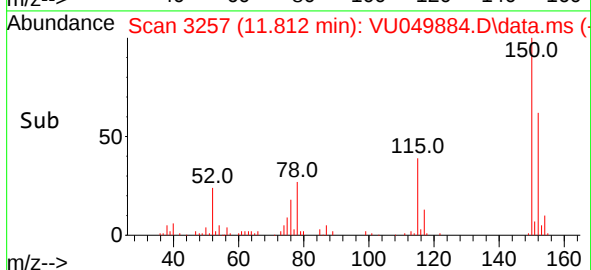
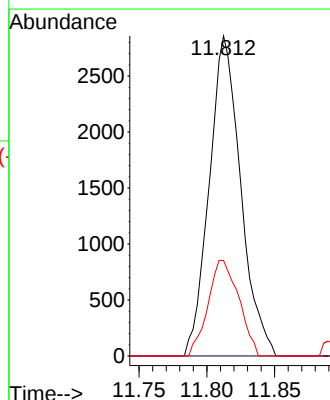
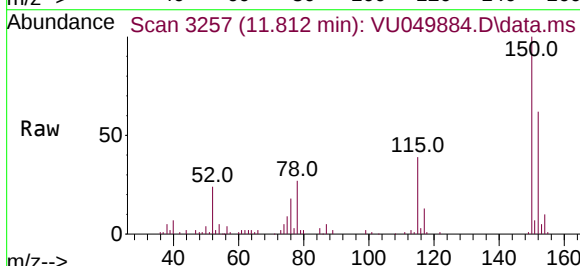
Tgt Ion: 75 Resp: 4614

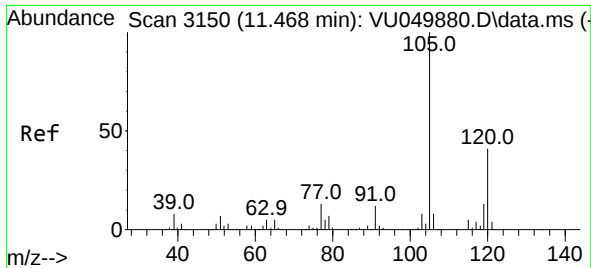
Ion Ratio Lower Upper

75 100

110 0.0 28.0 42.0#

77 29.2 25.4 38.2

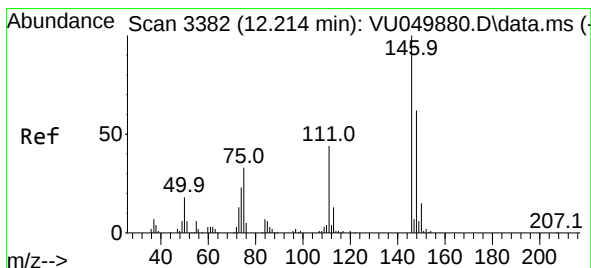
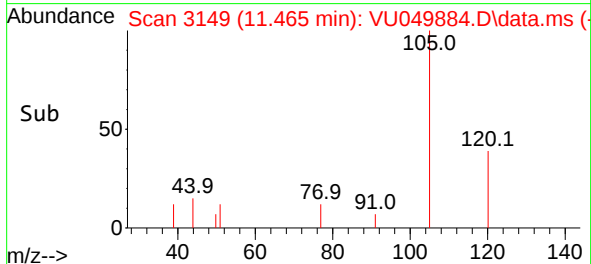
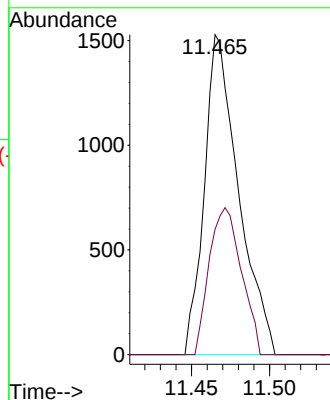
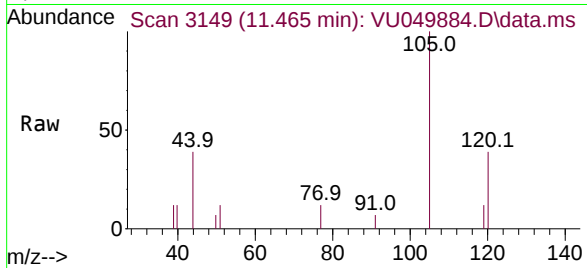




#63
1,2,4-Trimethylbenzene
Concen: 0.139 ug/L
RT: 11.465 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU049884.D
Acq: 25 Jul 2022 22:59

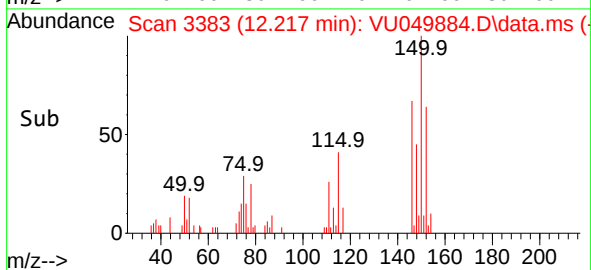
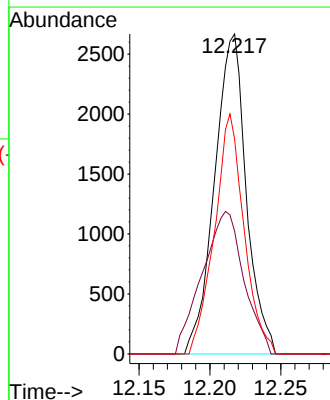
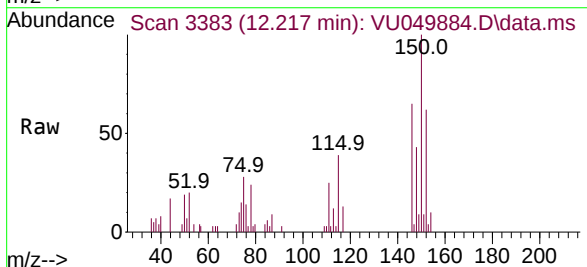
Instrument :
MSVOA_U
ClientSampleId :
GBJ00

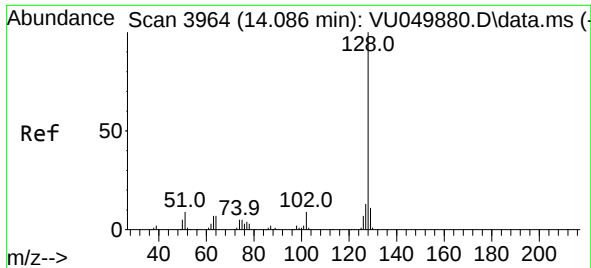
Tgt Ion:105 Resp: 2326
Ion Ratio Lower Upper
105 100
120 43.3 34.2 51.4



#67
1,2-Dichlorobenzene
Concen: 0.417 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU049884.D
Acq: 25 Jul 2022 22:59

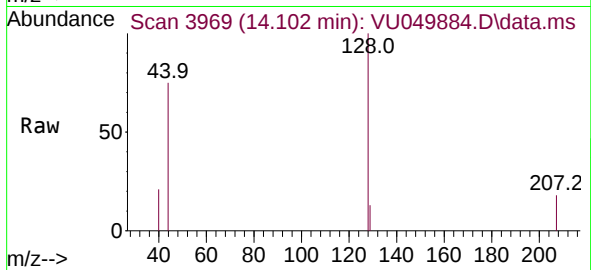
Tgt Ion:146 Resp: 4160
Ion Ratio Lower Upper
146 100
111 42.6 35.8 53.8
148 67.2 50.3 75.5





#71
Naphthalene
Concen: 0.106 ug/L
RT: 14.102 min Scan# 3969
Delta R.T. 0.016 min
Lab File: VU049884.D
Acq: 25 Jul 2022 22:59

Instrument :
MSVOA_U
ClientSampleId :
GBJ00



Tgt Ion:	128	Resp:	1294
Ion	Ratio	Lower	Upper
128	100		
129	5.2	8.2	12.4#
127	0.0	11.1	16.7#

