

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072222\
 Data File : VU049862.D
 Acq On : 22 Jul 2022 20:16
 Operator : SY/MD
 Sample : N3802-24
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBHY7

Quant Time: Jul 23 02:36:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 23 01:04:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	89340	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	83213	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	34688	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	35263	4.875	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.600%
7) Chloroethane-d5	1.909	69	30513	5.041	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.800%
11) 1,1-Dichloroethene-d2	2.562	65	15818	4.900	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.000%
20) 2-Butanone-d5	4.626	46	136690	52.524	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.040%
24) Chloroform-d	5.064	84	78840	4.894	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	5.703	65	47047	4.981	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.729	84	144244	5.087	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.800%
36) 1,2-Dichloropropane-d6	6.690	67	50943	5.200	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.000%
41) Toluene-d8	7.899	98	116089	4.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.179	79	17153	4.823	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.400%
46) 2-Hexanone-d5	8.632	63	75448	53.535	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.060%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	43503	5.288	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	39495	5.516	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	796	0.084	ug/L #	79
3) Chloromethane	1.517	50	1421	0.122	ug/L	94
5) Vinyl chloride	1.601	62	4222	0.435	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	49230	8.438	ug/L	99
12) 1,1-Dichloroethene	2.575	96	34302	5.811	ug/L	97
17) Methyl tert-butyl Ether	3.366	73	2662	0.139	ug/L #	85
18) trans-1,2-Dichloroethene	3.356	96	1964	0.288	ug/L	96
19) 1,1-Dichloroethane	3.871	63	11119	0.754	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	343156	43.419	ug/L	96
27) 1,2-Dichloroethane	5.797	62	4701	0.437	ug/L	99
33) Benzene	5.781	78	2374	0.079	ug/L	100
34) Trichloroethene	6.543	95	2476764	338.301	ug/L	97
35) Methylcyclohexane	6.694	83	11404	1.263	ug/L #	15
37) 1,2-Dichloropropane	6.690	63	5490	0.638	ug/L #	89
39) cis-1,3-Dichloropropene	7.565	75	1236	0.109	ug/L #	58
47) Tetrachloroethene	8.552	164	6133	1.217	ug/L	91
49) Dibromochloromethane	8.552	129	6307	0.919	ug/L #	14
61) 1,2,3-Trichloropropane	11.812	75	4656	1.007	ug/L #	68

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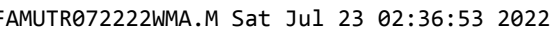
Instrument :
MSVOA_U
ClientSampleId :
GBHY7

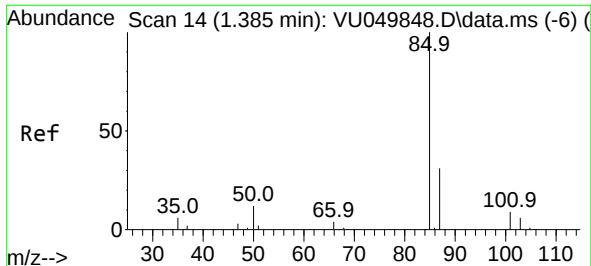
Quant Time: Jul 23 02:36:48 2022
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Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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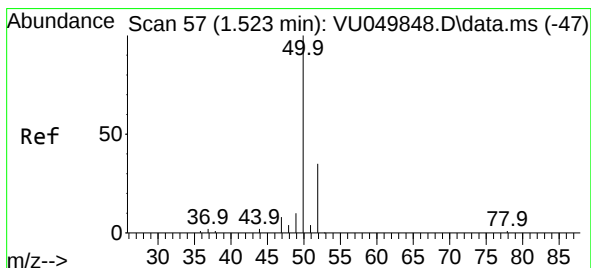
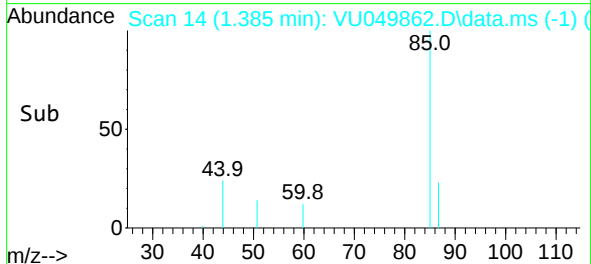
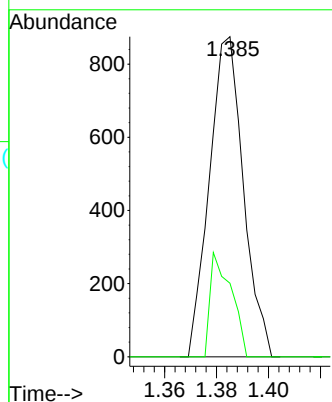
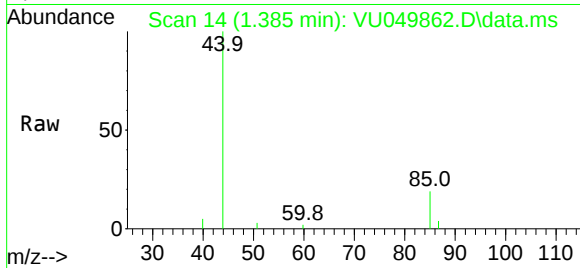




#2
Dichlorodifluoromethane
Concen: 0.084 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU049862.D
Acq: 22 Jul 2022 20:16

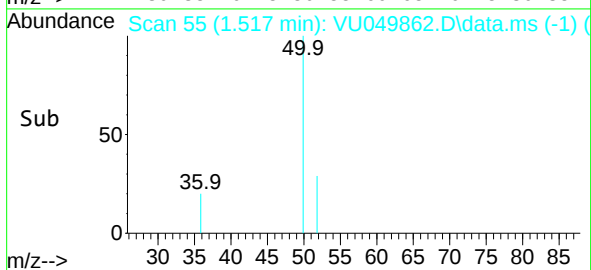
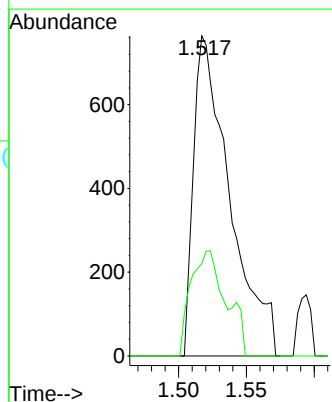
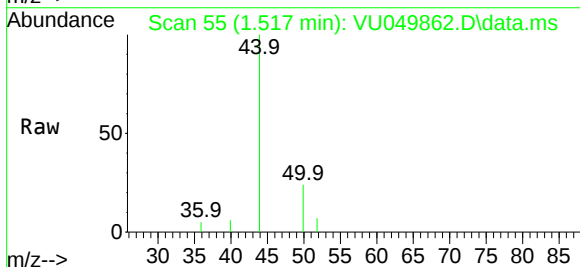
Instrument :
MSVOA_U
ClientSampleId :
GBHY7

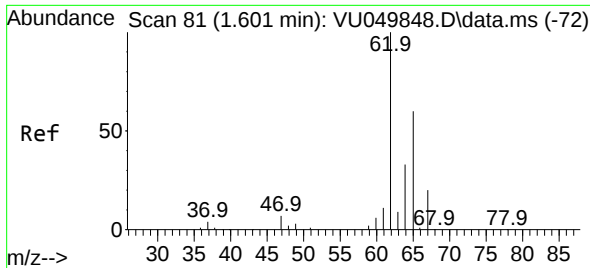
Tgt Ion: 85 Resp: 796
Ion Ratio Lower Upper
85 100
87 20.1 25.4 38.2#



#3
Chloromethane
Concen: 0.122 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU049862.D
Acq: 22 Jul 2022 20:16

Tgt Ion: 50 Resp: 1421
Ion Ratio Lower Upper
50 100
52 28.8 22.5 41.7

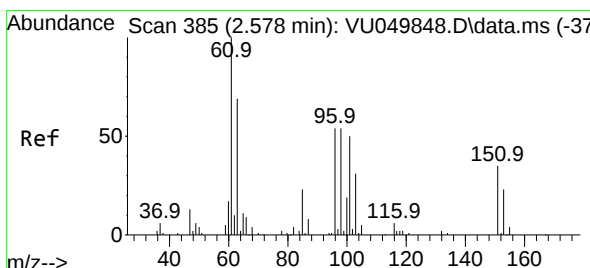
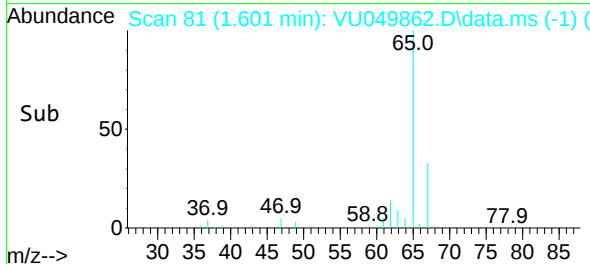
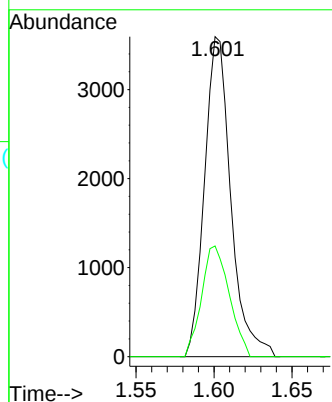
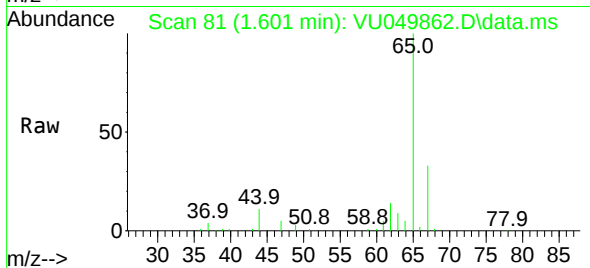




#5
 Vinyl chloride
 Concen: 0.435 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049862.D
 Acq: 22 Jul 2022 20:16

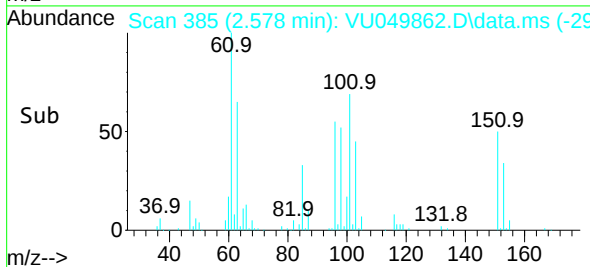
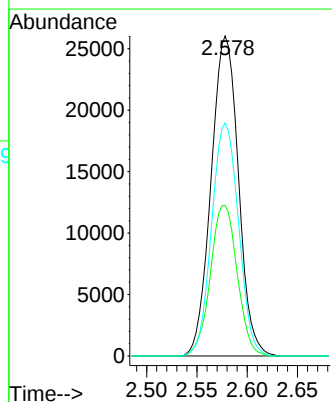
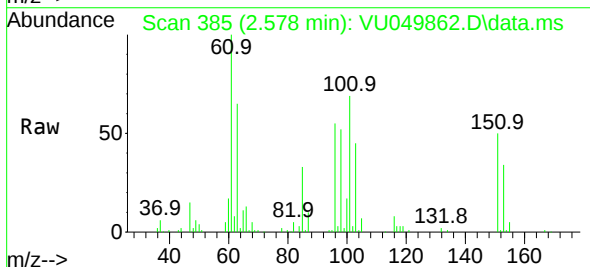
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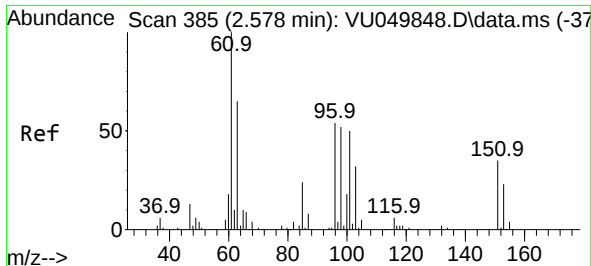
Tgt Ion: 62 Resp: 4222
 Ion Ratio Lower Upper
 62 100
 64 34.6 22.7 42.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 8.438 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU049862.D
 Acq: 22 Jul 2022 20:16

Tgt Ion: 101 Resp: 49230
 Ion Ratio Lower Upper
 101 100
 85 46.2 37.2 55.8
 151 71.8 56.0 84.0





#12

1,1-Dichloroethene

Concen: 5.811 ug/L

RT: 2.575 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU049862.D

Acq: 22 Jul 2022 20:16

Instrument :

MSVOA_U

ClientSampleId :

GBHY7

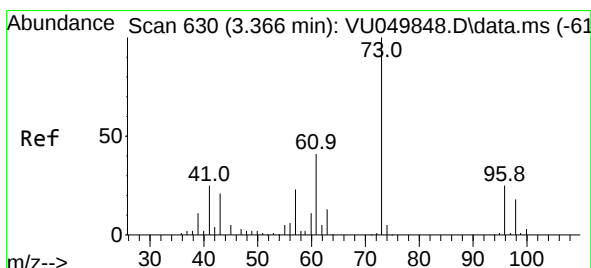
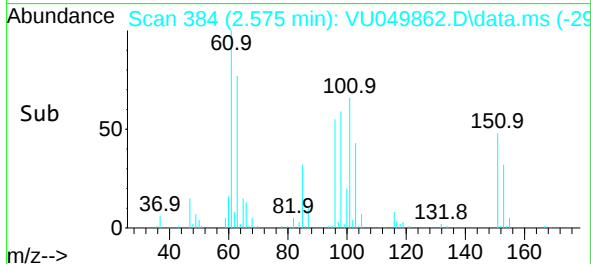
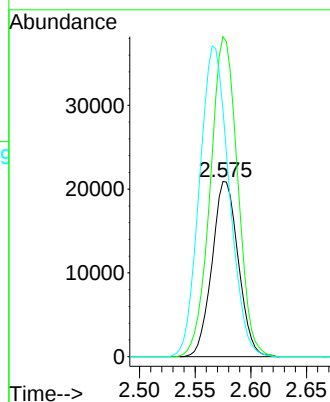
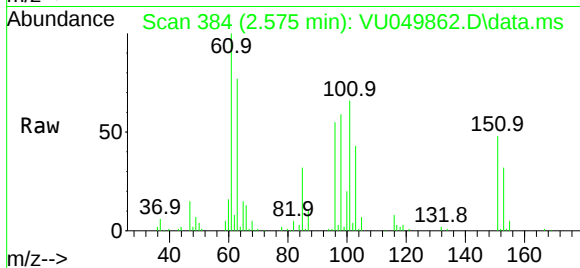
Tgt Ion: 96 Resp: 34302

Ion Ratio Lower Upper

96 100

61 182.7 131.6 244.4

63 141.4 100.0 185.6



#17

Methyl tert-butyl Ether

Concen: 0.139 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.000 min

Lab File: VU049862.D

Acq: 22 Jul 2022 20:16

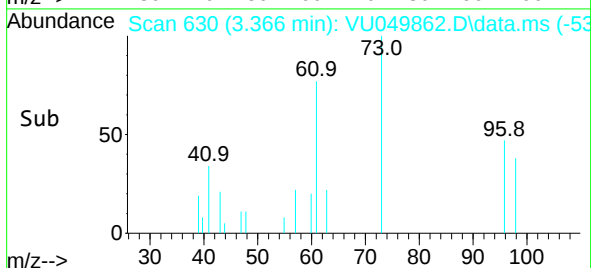
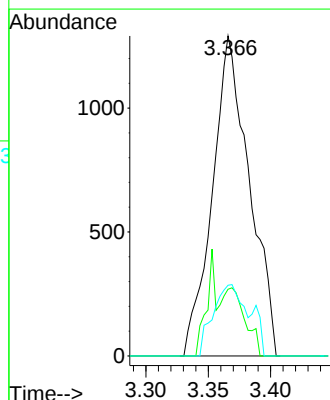
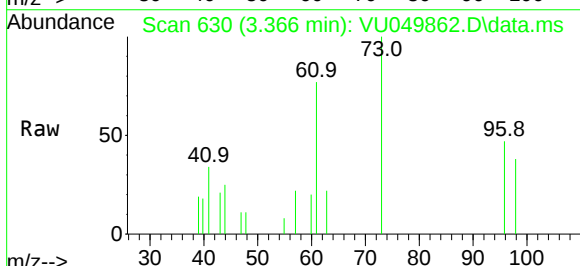
Tgt Ion: 73 Resp: 2662

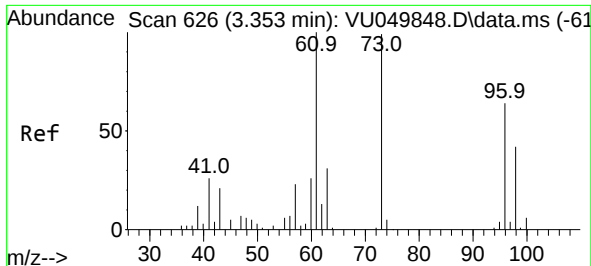
Ion Ratio Lower Upper

73 100

43 12.4 17.4 26.2#

57 18.1 18.7 28.1#

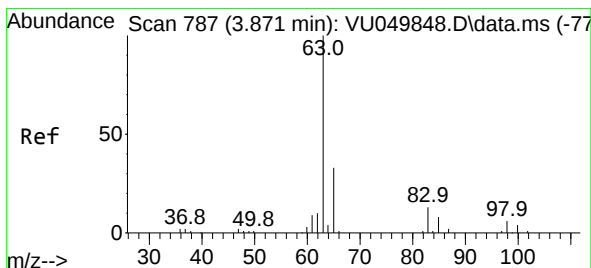
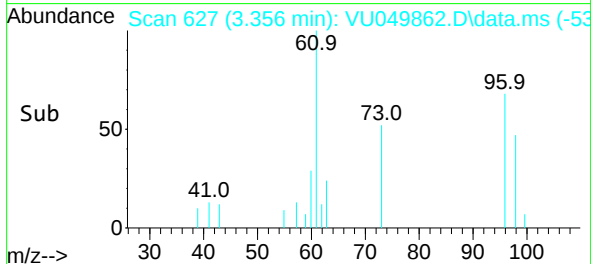
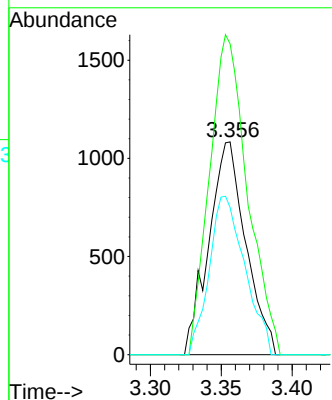
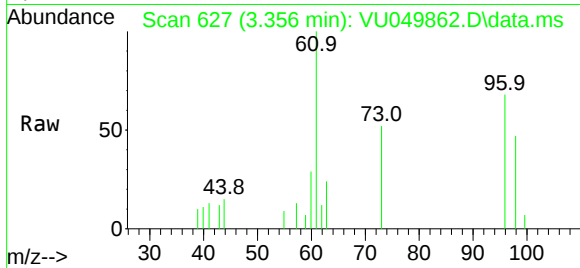




#18
trans-1,2-Dichloroethene
Concen: 0.288 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU049862.D
Acq: 22 Jul 2022 20:16

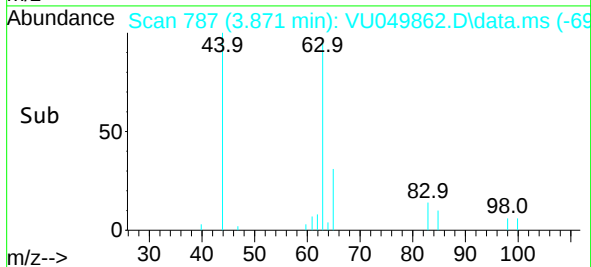
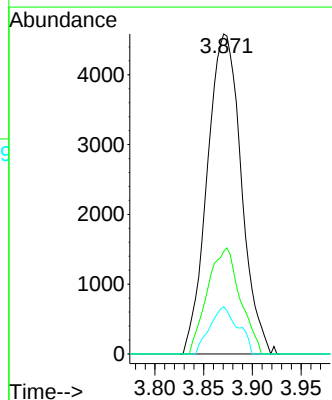
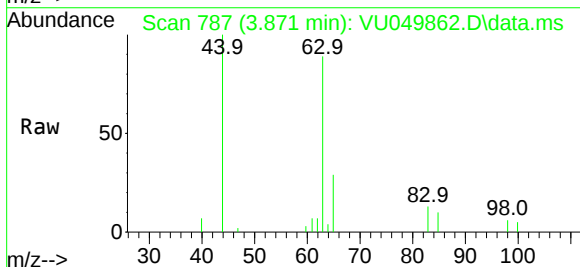
Instrument :
MSVOA_U
ClientSampleId :
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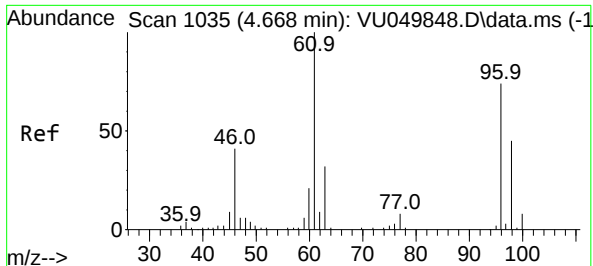
Tgt Ion: 96 Resp: 1964
Ion Ratio Lower Upper
96 100
61 146.0 101.5 188.5
98 69.2 42.5 78.9



#19
1,1-Dichloroethane
Concen: 0.754 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.000 min
Lab File: VU049862.D
Acq: 22 Jul 2022 20:16

Tgt Ion: 63 Resp: 11119
Ion Ratio Lower Upper
63 100
65 32.0 22.5 41.9
83 14.7 8.3 15.5





#22

cis-1,2-Dichloroethene

Concen: 43.419 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU049862.D

Acq: 22 Jul 2022 20:16

Instrument :

MSVOA_U

ClientSampleId :

GBHY7

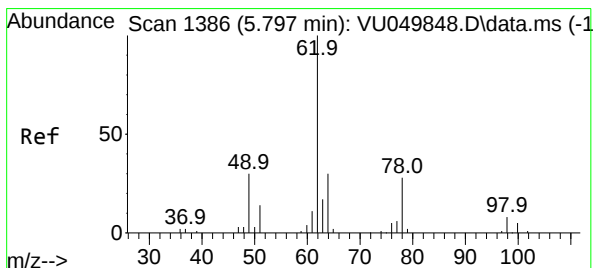
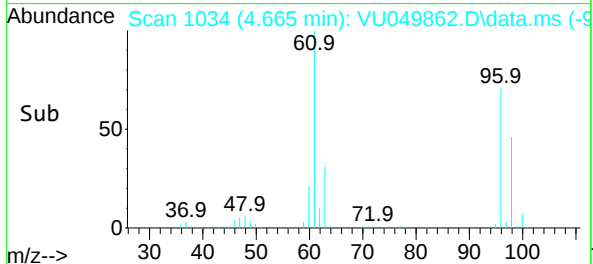
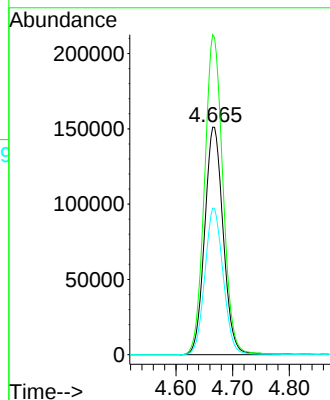
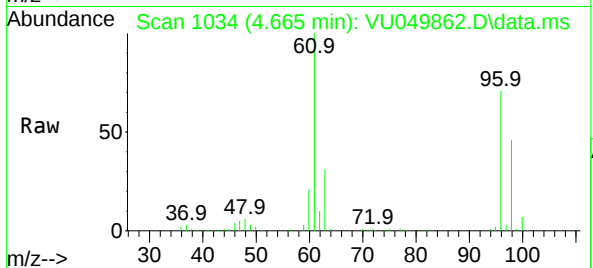
Tgt Ion: 96 Resp: 343156

Ion Ratio Lower Upper

96 100

61 140.7 93.9 174.3

98 64.4 43.9 81.5



#27

1,2-Dichloroethane

Concen: 0.437 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU049862.D

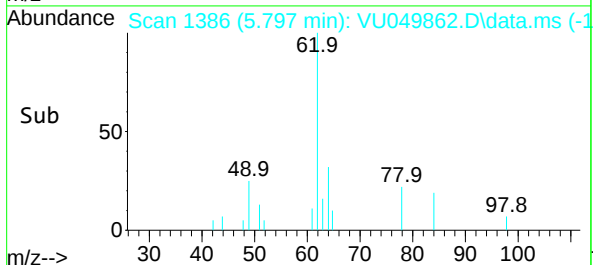
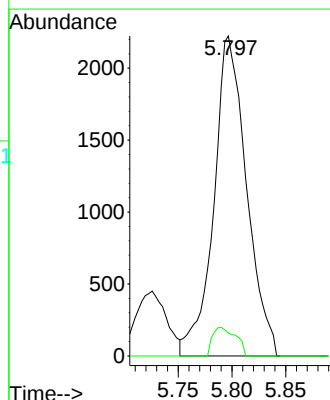
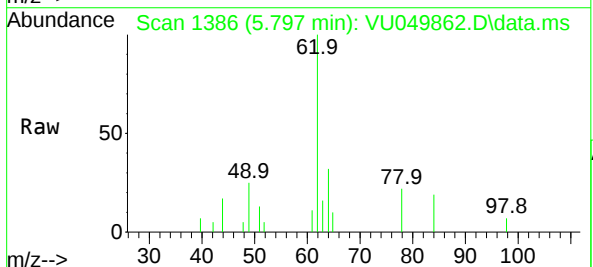
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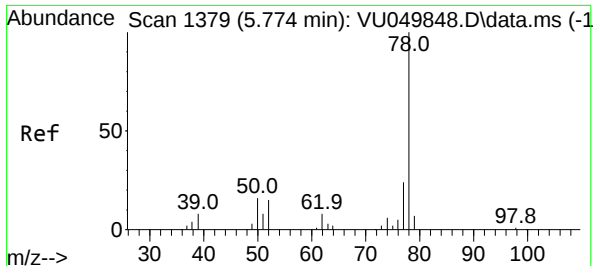
Tgt Ion: 62 Resp: 4701

Ion Ratio Lower Upper

62 100

98 7.1 5.9 8.9

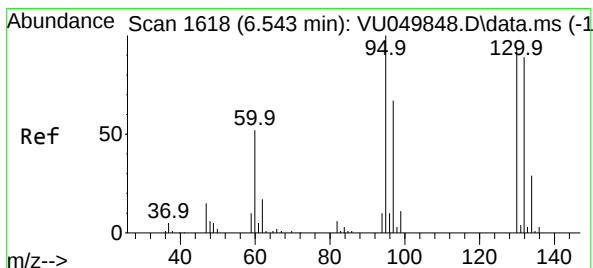
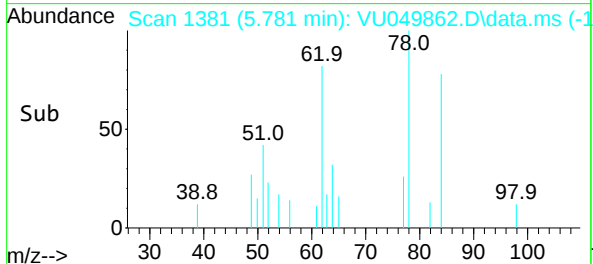
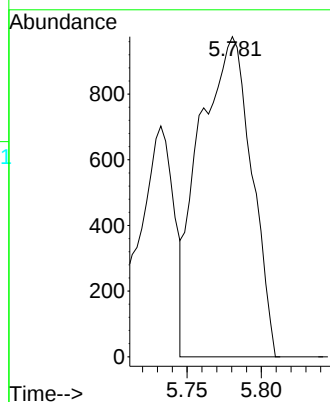
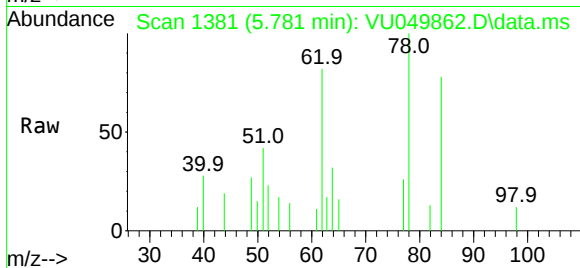




#33
Benzene
Concen: 0.079 ug/L
RT: 5.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU049862.D
Acq: 22 Jul 2022 20:16

Instrument :
MSVOA_U
ClientSampleId :
GBHY7

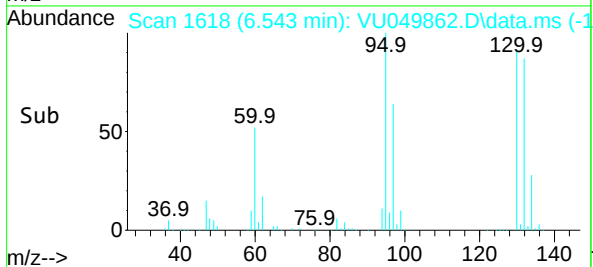
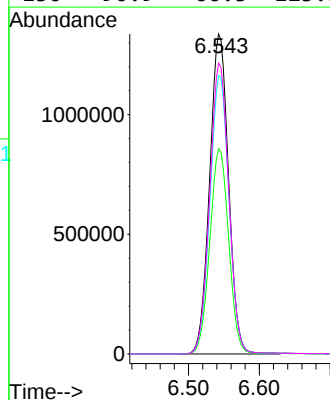
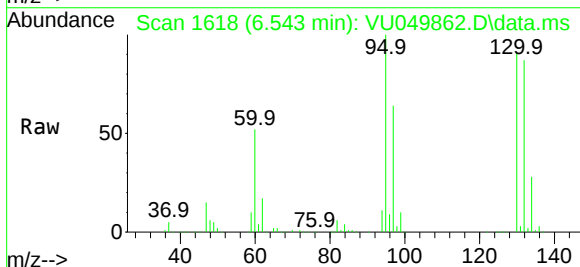
Tgt Ion: 78 Resp: 2374

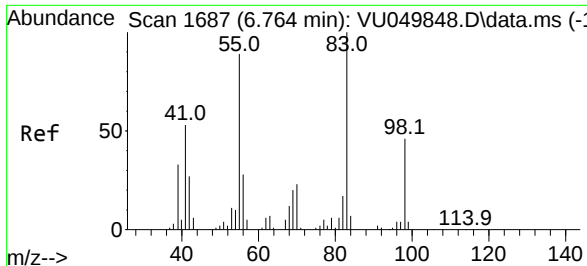


#34
Trichloroethene
Concen: 338.301 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU049862.D
Acq: 22 Jul 2022 20:16

Tgt Ion: 95 Resp: 2476764

Ion	Ratio	Lower	Upper
95	100		
97	64.2	46.8	86.8
132	87.0	61.8	114.8
130	90.9	66.3	123.1

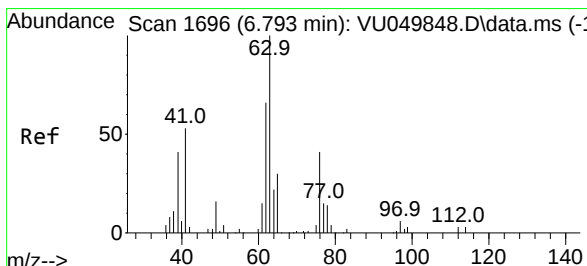
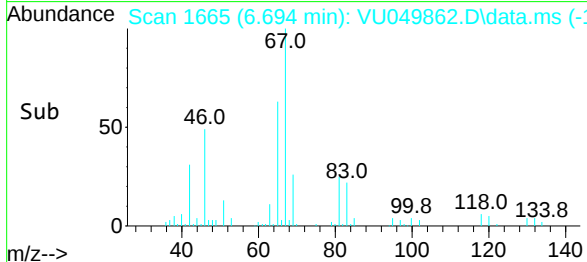
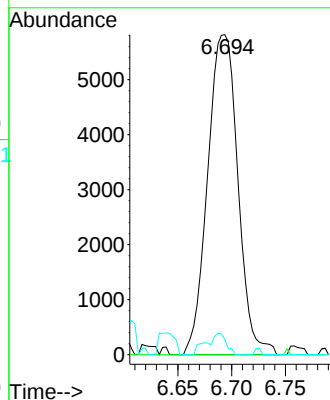
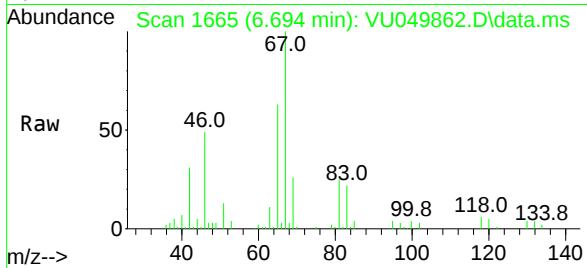




#35
Methylcyclohexane
Concen: 1.263 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.071 min
Lab File: VU049862.D
Acq: 22 Jul 2022 20:16

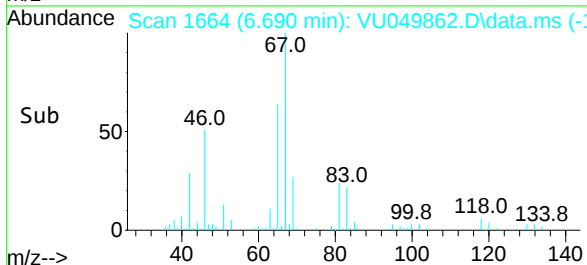
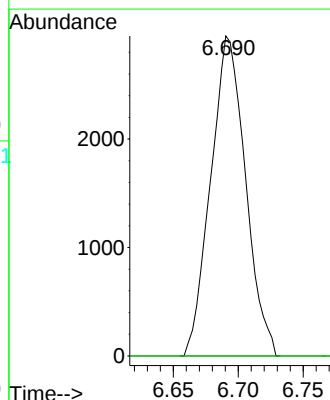
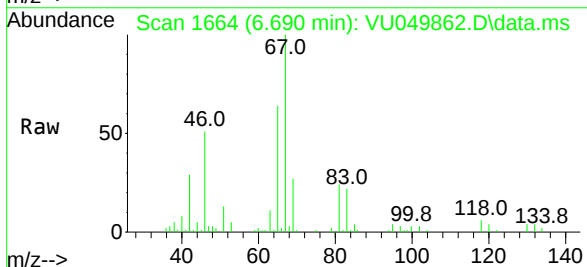
Instrument :
MSVOA_U
ClientSampleId :
GBHY7

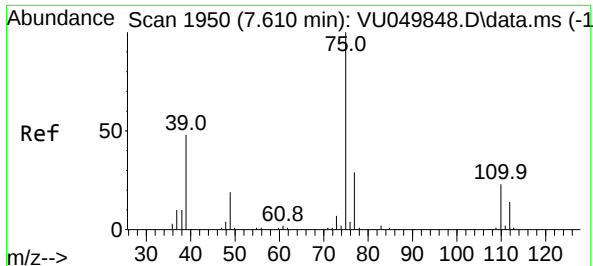
Tgt Ion: 83 Resp: 11404
Ion Ratio Lower Upper
83 100
55 0.2 69.0 103.4#
98 0.0 36.4 54.6#



#37
1,2-Dichloropropane
Concen: 0.638 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU049862.D
Acq: 22 Jul 2022 20:16

Tgt Ion: 63 Resp: 5490
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#





#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU049862.D

Acq: 22 Jul 2022 20:16

Instrument :

MSVOA_U

ClientSampleId :

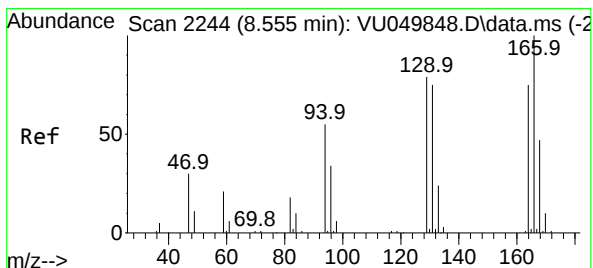
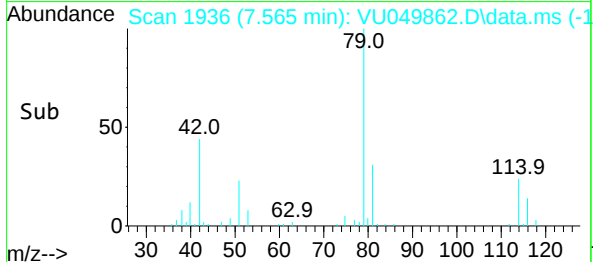
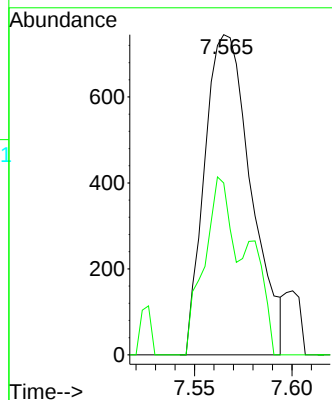
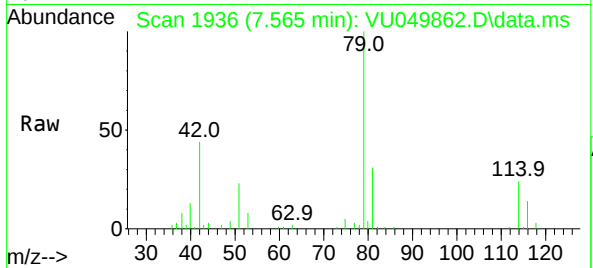
GBHY7

Tgt Ion: 75 Resp: 1236

Ion Ratio Lower Upper

75 100

77 53.7 21.6 40.0#



#47

Tetrachloroethene

Concen: 1.217 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.003 min

Lab File: VU049862.D

Acq: 22 Jul 2022 20:16

Tgt Ion: 164 Resp: 6133

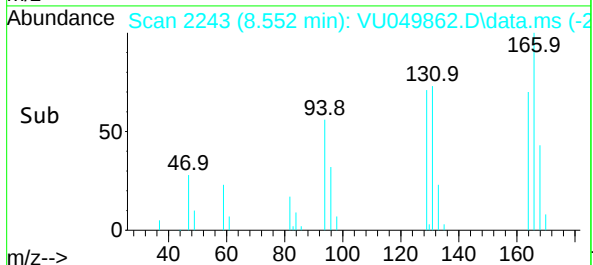
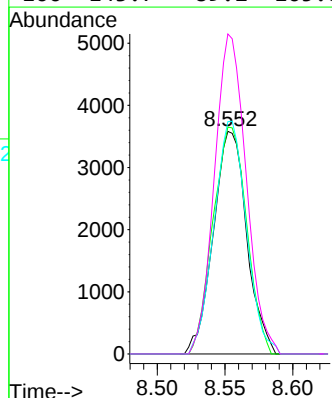
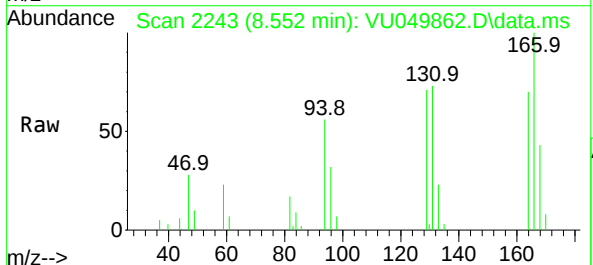
Ion Ratio Lower Upper

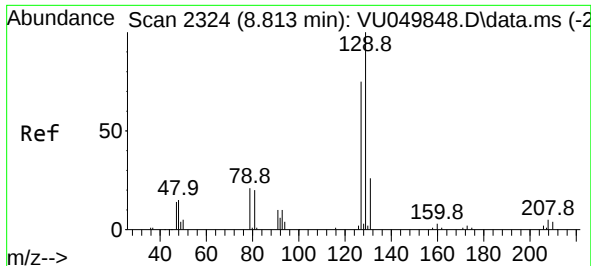
164 100

129 101.9 68.9 127.9

131 104.4 67.5 125.4

166 143.7 89.2 165.8





#49

Dibromochloromethane

Concen: 0.919 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU049862.D

Acq: 22 Jul 2022 20:16

Instrument :

MSVOA_U

ClientSampleId :

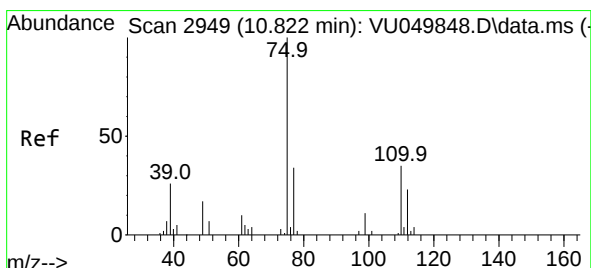
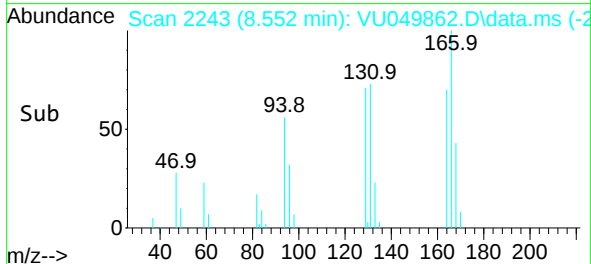
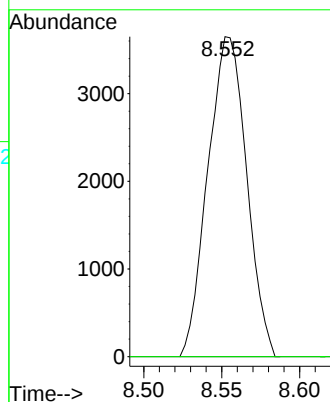
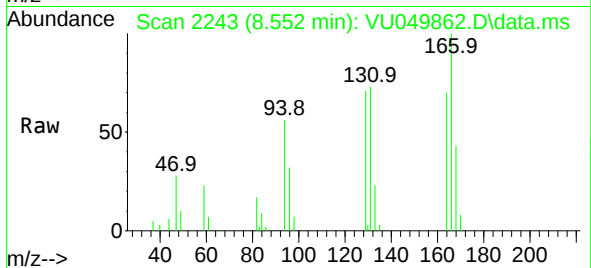
GBHY7

Tgt Ion:129 Resp: 6307

Ion Ratio Lower Upper

129 100

127 0.0 50.5 93.7#



#61

1,2,3-Trichloropropane

Concen: 1.007 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.990 min

Lab File: VU049862.D

Acq: 22 Jul 2022 20:16

Tgt Ion: 75 Resp: 4656

Ion Ratio Lower Upper

75 100

110 0.0 28.0 42.0#

77 32.9 25.4 38.2

