

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083023\
 Data File : VU054998.D
 Acq On : 30 Aug 2023 14:51
 Operator : MD/SY
 Sample : 04209-21
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 02:36:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 31 02:34:15 2023
 Response via : Initial Calibration

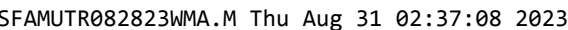
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

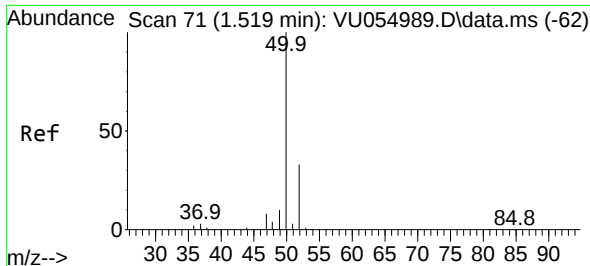
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	181292	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	173840	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	88380	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	18779	3.282	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.600%
7) Chloroethane-d5	1.907	69	27010	3.654	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.000%
11) 1,1-Dichloroethene-d2	2.563	65	12130	3.751	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.000%
20) 2-Butanone-d5	4.628	46	163599	52.968	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.940%
24) Chloroform-d	5.062	84	89055	4.196	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
26) 1,2-Dichloroethane-d4	5.701	65	50734	4.492	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
32) Benzene-d6	5.724	84	155529	3.980	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
36) 1,2-Dichloropropane-d6	6.689	67	58401	4.249	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.000%
41) Toluene-d8	7.898	98	135329	3.616	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.400%
43) trans-1,3-Dichloroprop...	8.180	79	16812	3.717	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.400%
46) 2-Hexanone-d5	8.634	63	109314	50.921	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.840%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	54730	4.644	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	59990	4.251	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.000%
Target Compounds						Qvalue
3) Chloromethane	1.518	50	2141	0.183	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	2010	0.214	ug/L #	80
12) 1,1-Dichloroethene	2.579	96	3735	0.456	ug/L #	17
17) Methyl tert-butyl Ether	3.364	73	8619	0.362	ug/L #	89
18) trans-1,2-Dichloroethene	3.357	96	5049	0.564	ug/L	90
19) 1,1-Dichloroethane	3.862	63	4857	0.259	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	490883	46.026	ug/L	94
25) Chloroform	5.084	83	10920	0.531	ug/L	95
34) Trichloroethene	6.541	95	822127	72.337	ug/L	98
35) Methylcyclohexane	6.689	83	13350	0.794	ug/L #	34
37) 1,2-Dichloropropane	6.689	63	6834	0.598	ug/L #	90
45) 1,1,2-Trichloroethane	8.402	97	1085	0.141	ug/L #	78
47) Tetrachloroethene	8.550	164	22409	2.744	ug/L	96
48) 2-Hexanone	8.688	43	11964	2.535	ug/L #	99
49) Dibromochloromethane	8.550	129	22321	2.497	ug/L #	6
61) 1,2,3-Trichloropropane	11.811	75	12555	1.908	ug/L #	69

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

Instrument :
MSVOA_U
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Aug 31 02:34:15 2023
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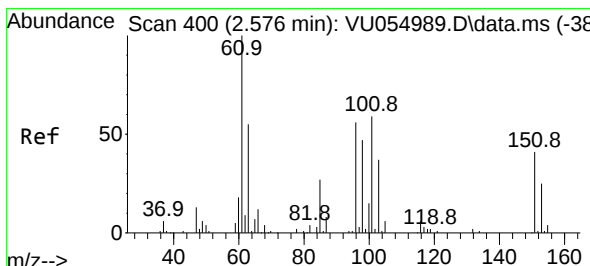
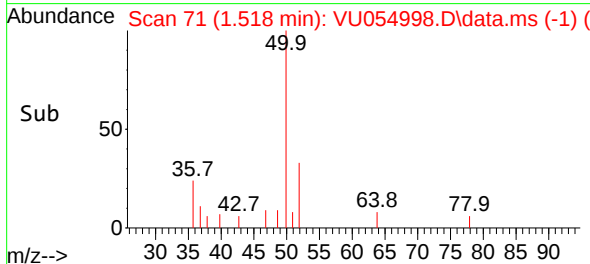
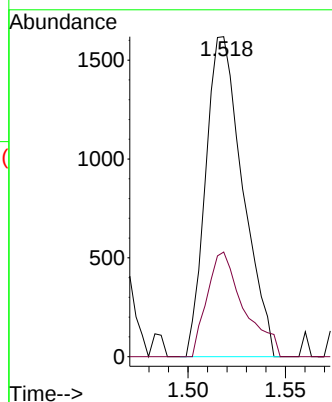
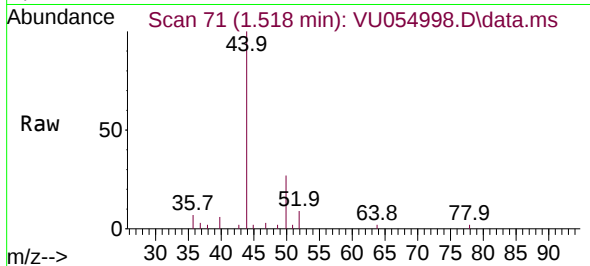




#3
Chloromethane
Concen: 0.183 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054998.D
Acq: 30 Aug 2023 14:51

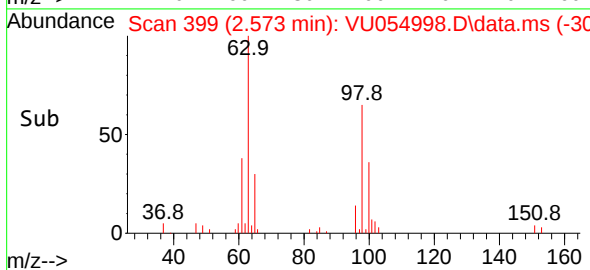
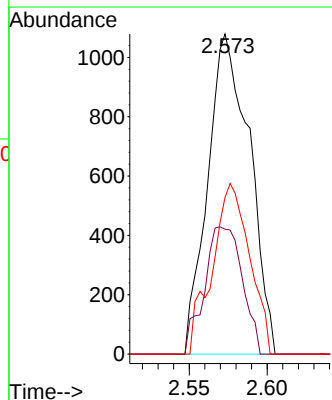
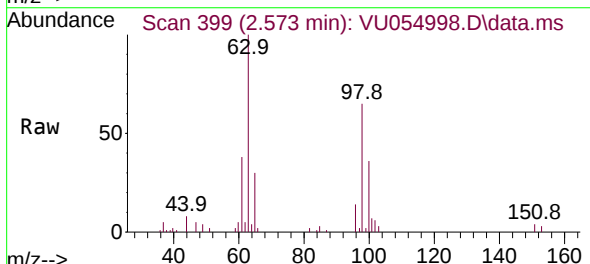
Instrument :
MSVOA_U
ClientSampleId :

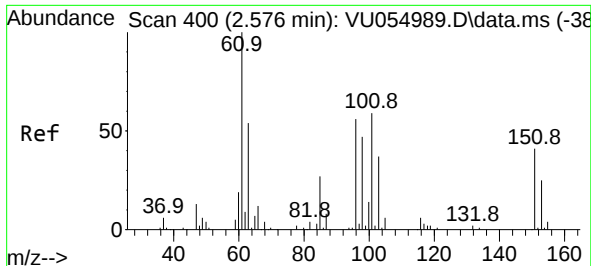
Tgt Ion: 50 Resp: 2141
Ion Ratio Lower Upper
50 100
52 32.7 23.4 43.6



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.214 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.004 min
Lab File: VU054998.D
Acq: 30 Aug 2023 14:51

Tgt Ion: 101 Resp: 2010
Ion Ratio Lower Upper
101 100
85 36.0 38.3 57.5#
151 47.9 51.5 77.3#





#12

1,1-Dichloroethene

Concen: 0.456 ug/L

RT: 2.579 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU054998.D

Acq: 30 Aug 2023 14:51

Instrument :

MSVOA_U

ClientSampleId :

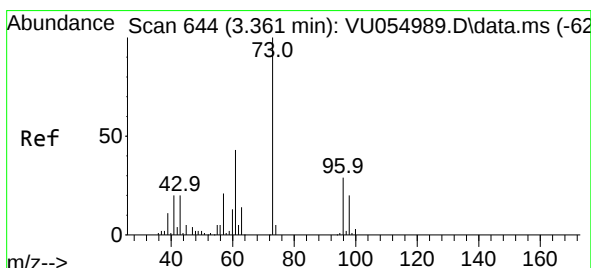
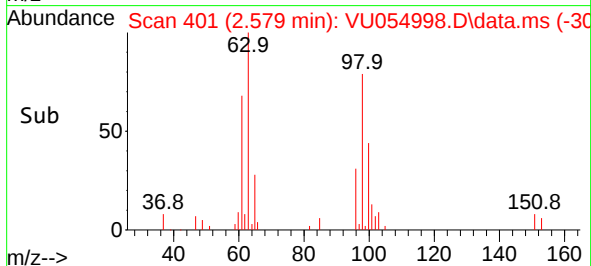
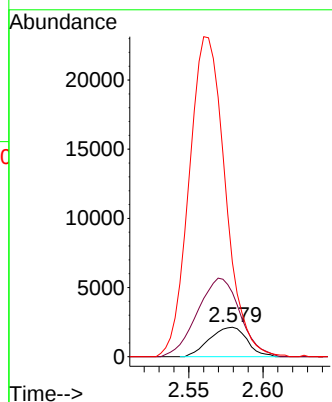
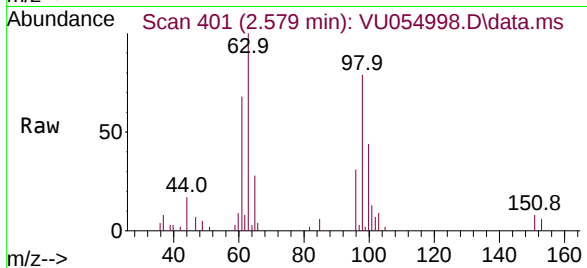
Tgt Ion: 96 Resp: 3735

Ion Ratio Lower Upper

96 100

61 217.9 132.4 245.8

63 321.2 82.5 153.1#



#17

Methyl tert-butyl Ether

Concen: 0.362 ug/L

RT: 3.364 min Scan# 645

Delta R.T. 0.003 min

Lab File: VU054998.D

Acq: 30 Aug 2023 14:51

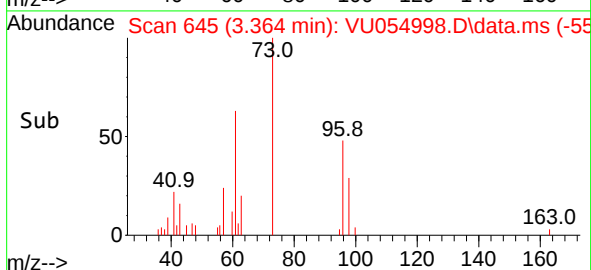
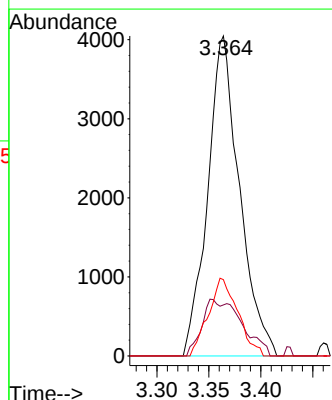
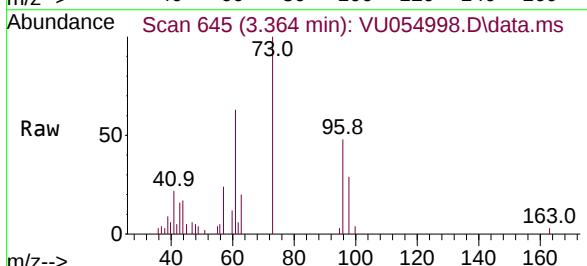
Tgt Ion: 73 Resp: 8619

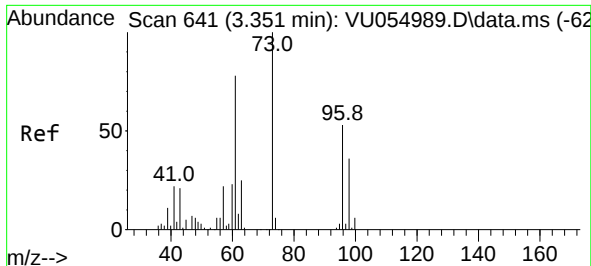
Ion Ratio Lower Upper

73 100

43 10.2 16.2 24.2#

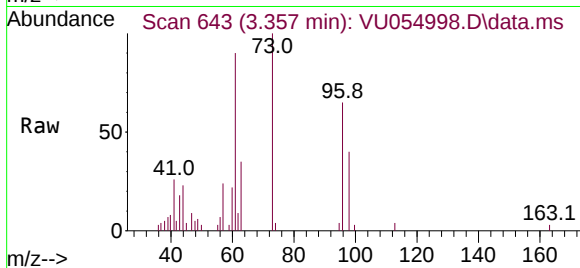
57 22.5 17.4 26.0



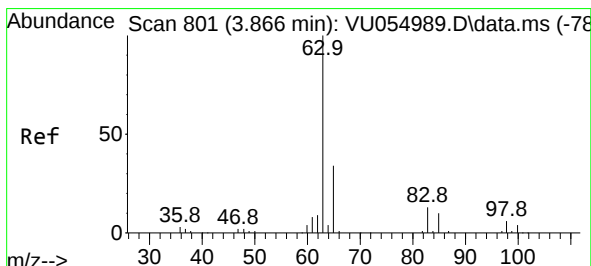
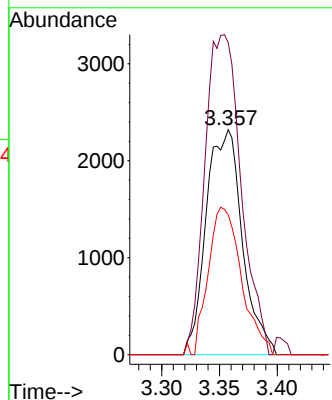
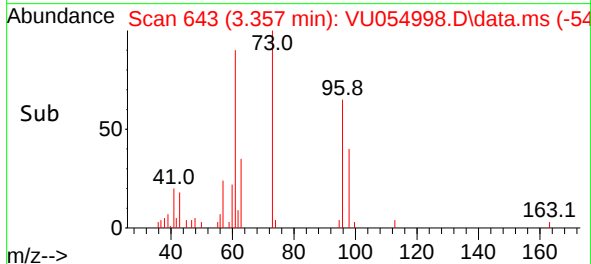


#18
trans-1,2-Dichloroethene
Concen: 0.564 ug/L
RT: 3.357 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU054998.D
Acq: 30 Aug 2023 14:51

Instrument :
MSVOA_U
ClientSampleId :

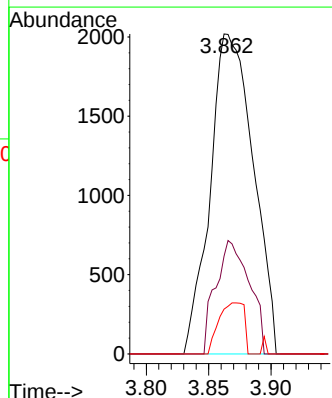
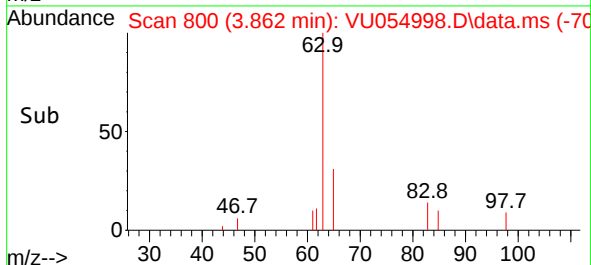
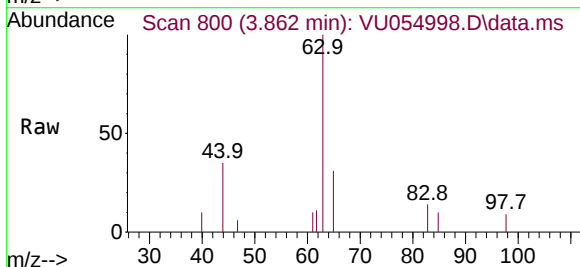


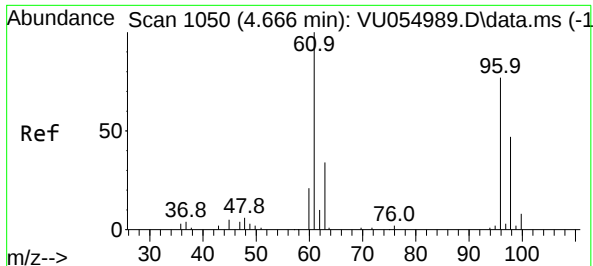
Tgt Ion:	96	Resp:	5049
Ion	Ratio	Lower	Upper
96	100		
61	138.7	108.8	202.0
98	62.2	45.8	85.2



#19
1,1-Dichloroethane
Concen: 0.259 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.004 min
Lab File: VU054998.D
Acq: 30 Aug 2023 14:51

Tgt Ion:	63	Resp:	4857
Ion	Ratio	Lower	Upper
63	100		
65	30.6	22.5	41.7
83	14.0	9.5	17.7





#22

cis-1,2-Dichloroethene

Concen: 46.026 ug/L

RT: 4.663 min Scan# 1180

Delta R.T. -0.004 min

Lab File: VU054998.D

Acq: 30 Aug 2023 14:51

Instrument :

MSVOA_U

ClientSampleId :

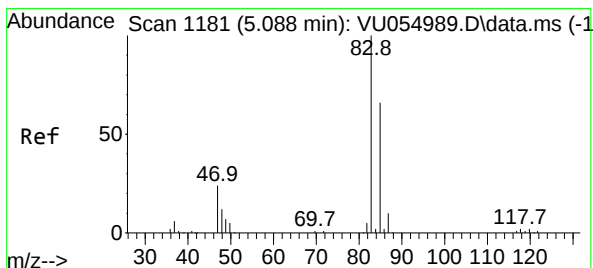
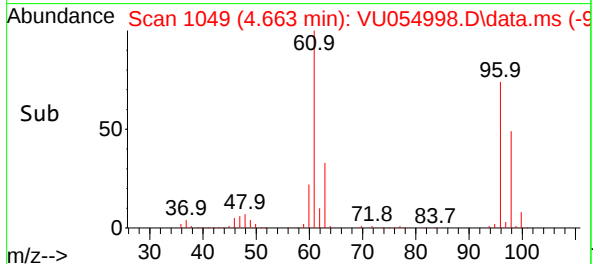
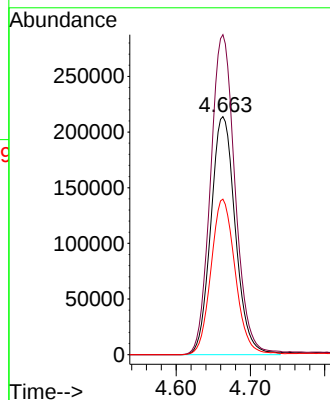
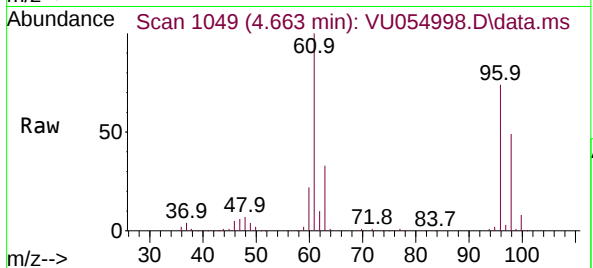
Tgt Ion: 96 Resp: 490883

Ion Ratio Lower Upper

96 100

61 134.5 88.4 164.2

98 65.3 44.0 81.6



#25

Chloroform

Concen: 0.531 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.004 min

Lab File: VU054998.D

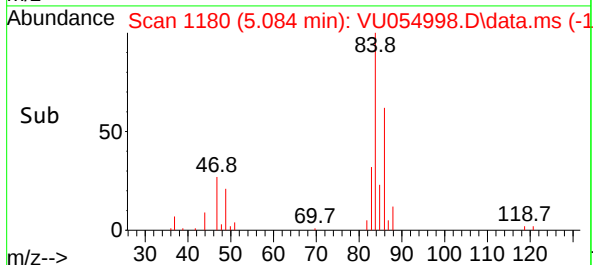
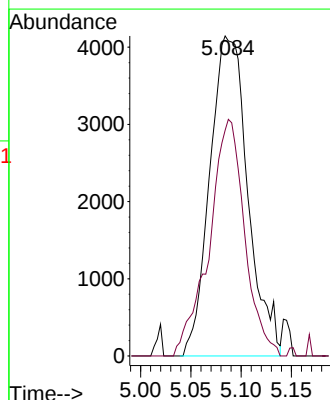
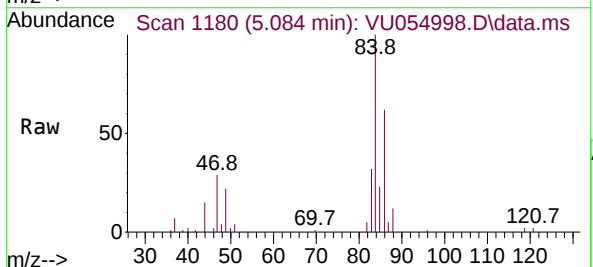
Acq: 30 Aug 2023 14:51

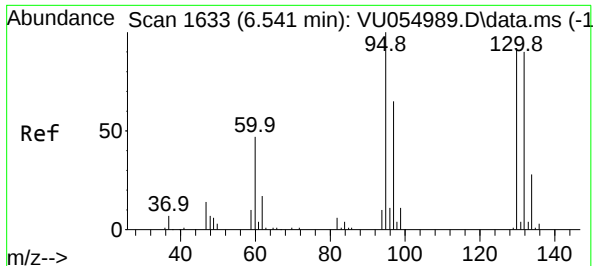
Tgt Ion: 83 Resp: 10920

Ion Ratio Lower Upper

83 100

85 70.6 46.7 86.7

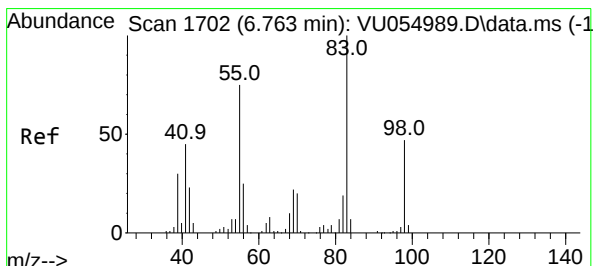
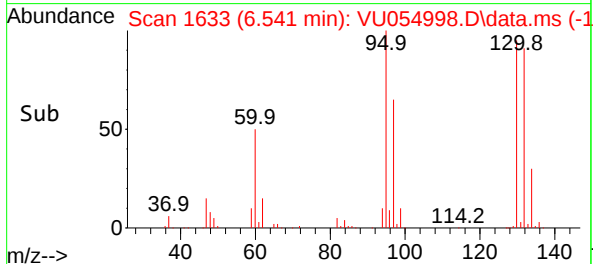
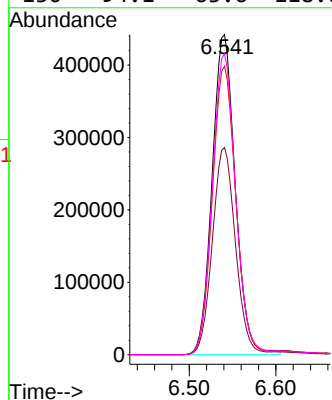
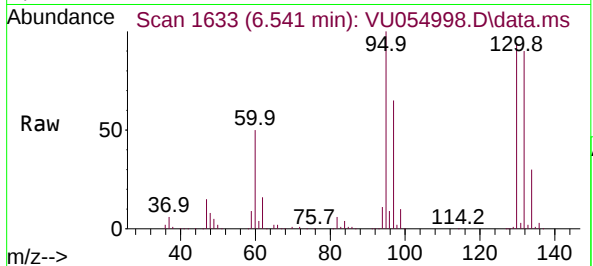




#34
Trichloroethene
Concen: 72.337 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU054998.D
Acq: 30 Aug 2023 14:51

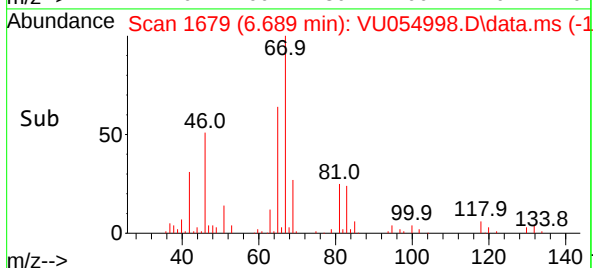
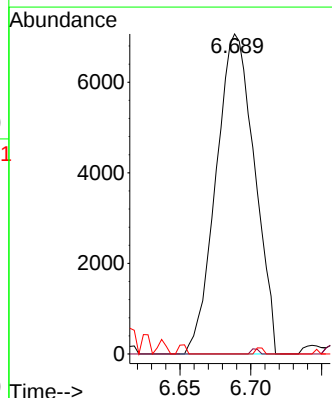
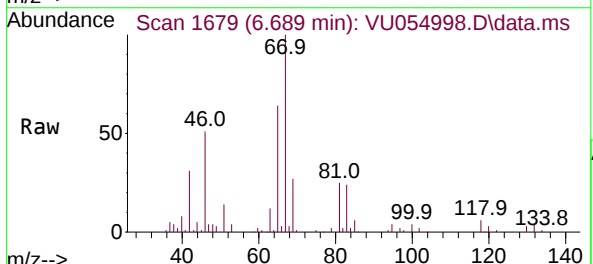
Instrument :
MSVOA_U
ClientSampleId :

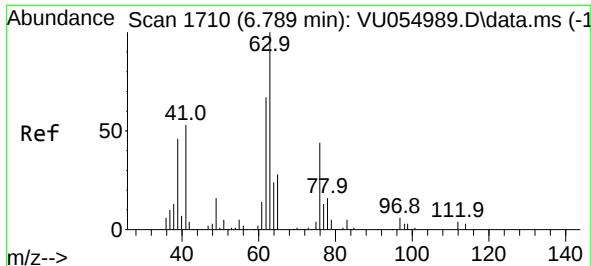
Tgt Ion: 95 Resp: 822127
Ion Ratio Lower Upper
95 100
97 64.7 44.1 81.9
132 90.2 63.6 118.2
130 94.1 63.6 118.0



#35
Methylcyclohexane
Concen: 0.794 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.074 min
Lab File: VU054998.D
Acq: 30 Aug 2023 14:51

Tgt Ion: 83 Resp: 13350
Ion Ratio Lower Upper
83 100
55 0.3 62.1 93.1#
98 65.7 37.8 56.6#





#37

1,2-Dichloropropane

Concen: 0.598 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU054998.D

Acq: 30 Aug 2023 14:51

Instrument :

MSVOA_U

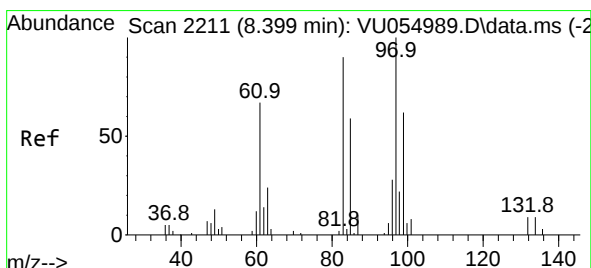
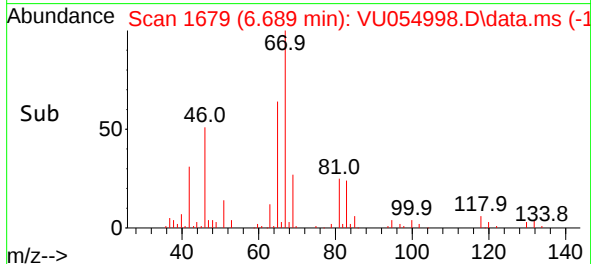
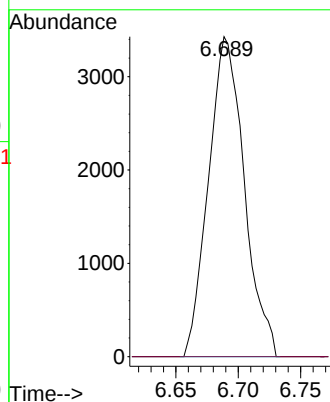
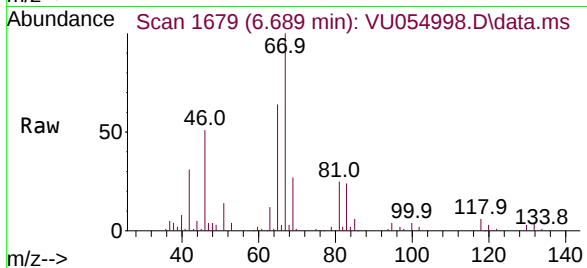
ClientSampleId :

Tgt Ion: 63 Resp: 6834

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



#45

1,1,2-Trichloroethane

Concen: 0.141 ug/L

RT: 8.402 min Scan# 2212

Delta R.T. 0.003 min

Lab File: VU054998.D

Acq: 30 Aug 2023 14:51

Tgt Ion: 97 Resp: 1085

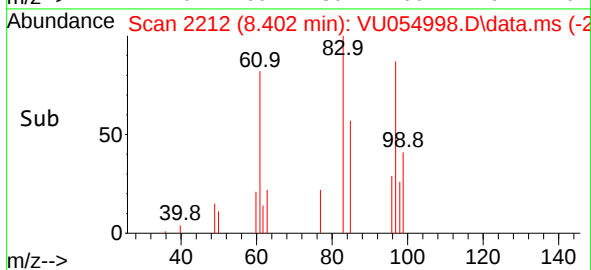
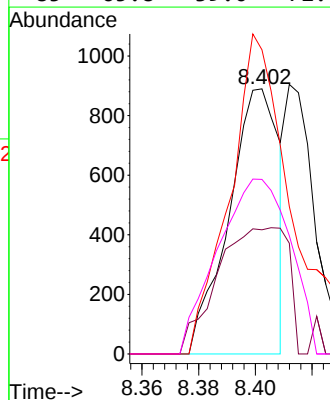
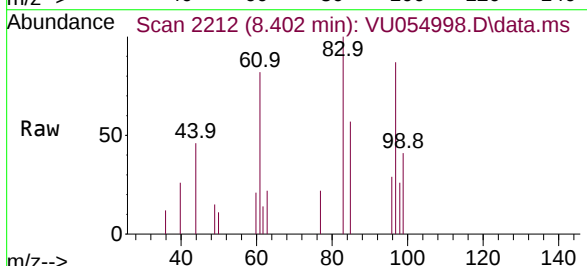
Ion Ratio Lower Upper

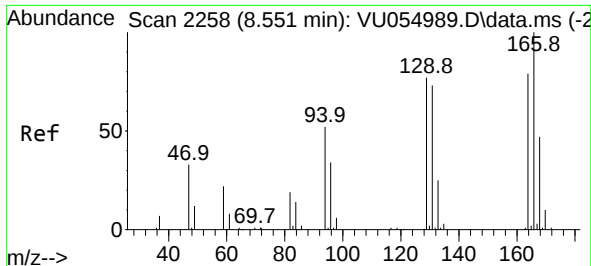
97 100

99 46.9 41.5 77.1

83 114.7 59.8 111.1#

85 65.8 39.0 72.4





#47

Tetrachloroethene

Concen: 2.744 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.000 min

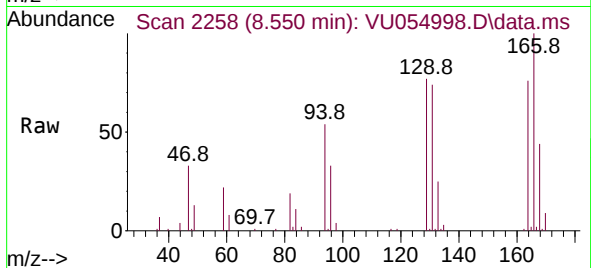
Lab File: VU054998.D

Acq: 30 Aug 2023 14:51

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 22409

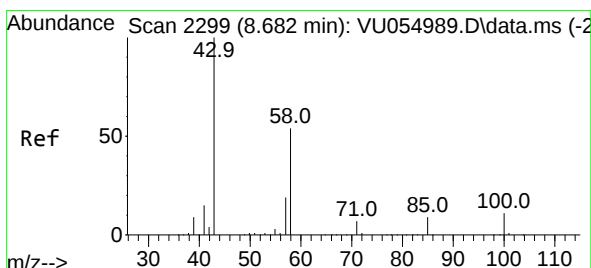
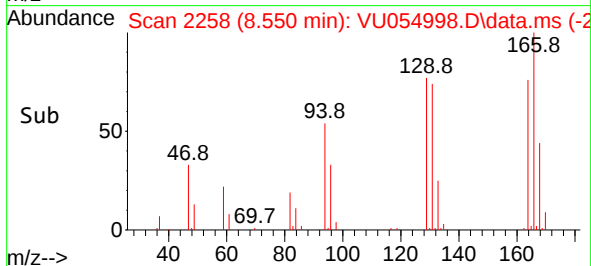
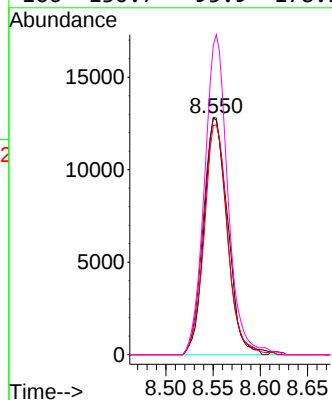
Ion Ratio Lower Upper

164 100

129 100.2 72.8 135.2

131 96.8 70.7 131.3

166 130.7 95.9 178.1



#48

2-Hexanone

Concen: 2.535 ug/L

RT: 8.688 min Scan# 2301

Delta R.T. 0.006 min

Lab File: VU054998.D

Acq: 30 Aug 2023 14:51

Tgt Ion: 43 Resp: 11964

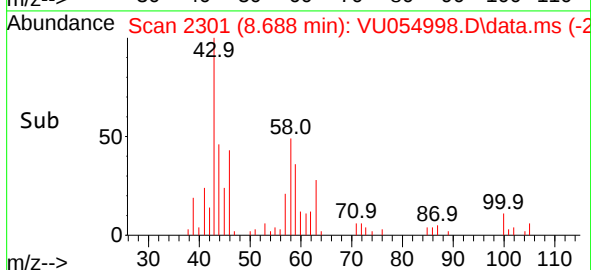
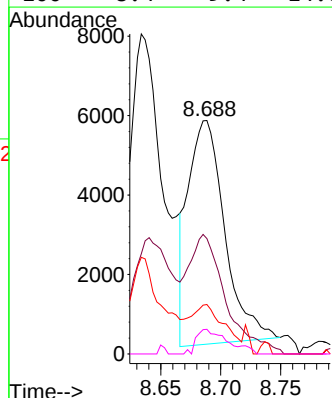
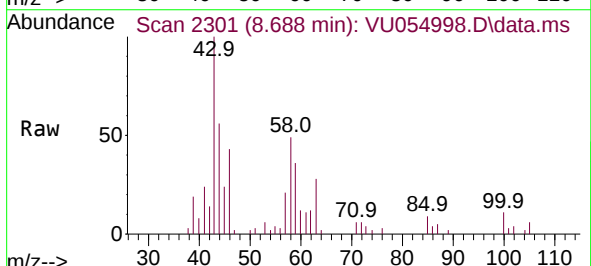
Ion Ratio Lower Upper

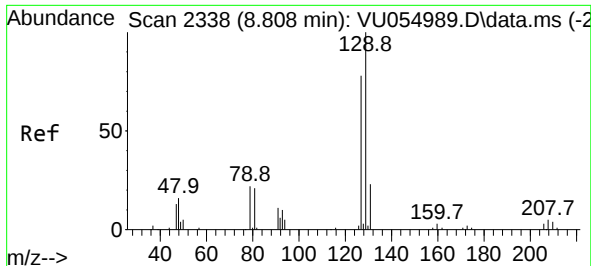
43 100

58 55.1 44.0 66.0

57 20.5 15.9 23.9

100 8.4 9.4 14.0#





#49

Dibromochloromethane

Concen: 2.497 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.258 min

Lab File: VU054998.D

Acq: 30 Aug 2023 14:51

Instrument :

MSVOA_U

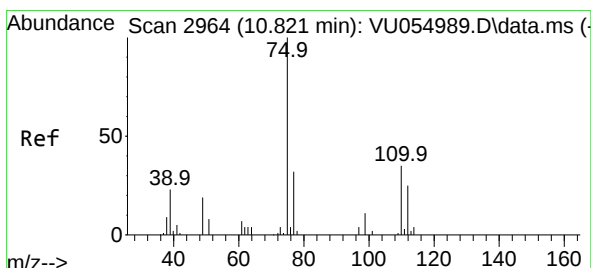
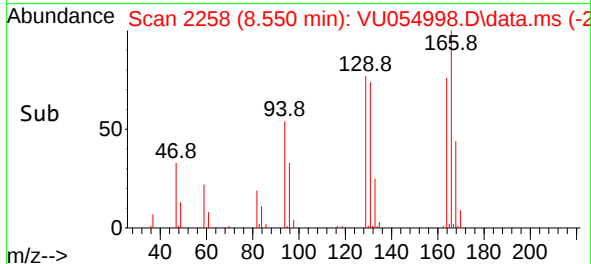
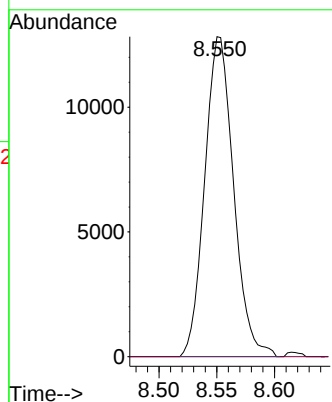
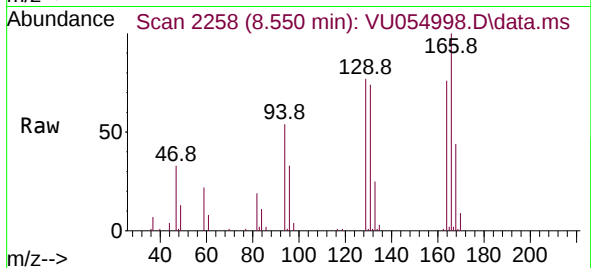
ClientSampleId :

Tgt Ion:129 Resp: 22321

Ion Ratio Lower Upper

129 100

127 0.0 60.5 112.5#



#61

1,2,3-Trichloropropane

Concen: 1.908 ug/L

RT: 11.811 min Scan# 3272

Delta R.T. 0.990 min

Lab File: VU054998.D

Acq: 30 Aug 2023 14:51

Tgt Ion: 75 Resp: 12555

Ion Ratio Lower Upper

75 100

110 1.8 29.0 43.6#

77 32.1 26.5 39.7

