

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112022\
 Data File : VU051987.D
 Acq On : 20 Nov 2022 20:50
 Operator : JC/MD
 Sample : N5710-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0L03

Quant Time: Nov 21 01:03:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

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

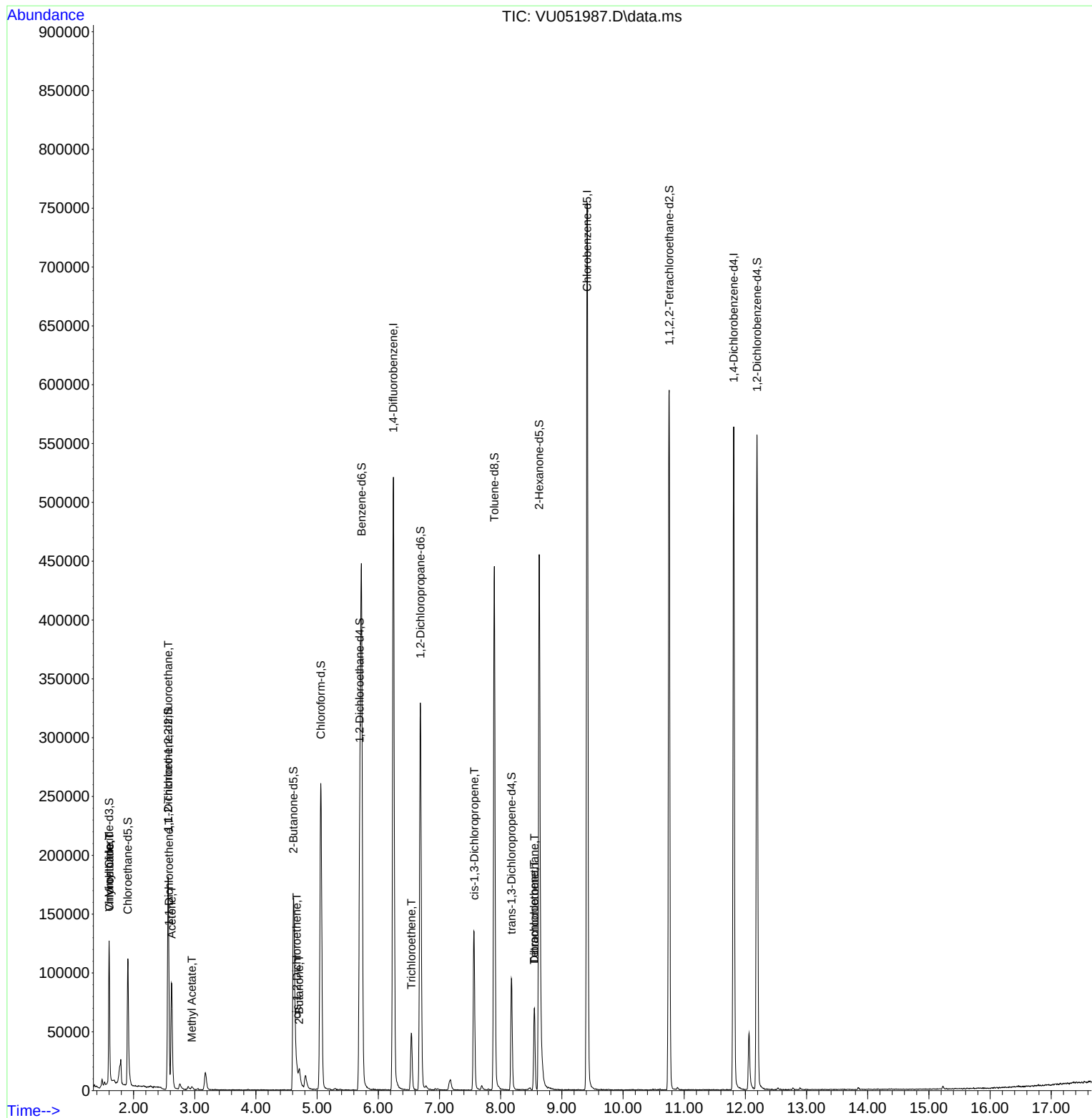
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	433603	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	429611	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	156247	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	79613	37.400	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.800%		
7) Chloroethane-d5	1.906	69	93826	43.992	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.980%		
11) 1,1-Dichloroethene-d2	2.565	63	104931	27.489	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	54.980%#		
21) 2-Butanone-d5	4.613	46	235314	97.214	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.210%		
24) Chloroform-d	5.060	84	246167	46.132	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.260%		
26) 1,2-Dichloroethane-d4	5.697	65	156758	47.990	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.980%		
32) Benzene-d6	5.726	84	426090	47.567	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.140%		
36) 1,2-Dichloropropane-d6	6.687	67	166707	49.998	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.000%		
41) Toluene-d8	7.896	98	312977	42.568	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.140%		
43) trans-1,3-Dichloroprop...	8.176	79	54989	41.405	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.820%		
47) 2-Hexanone-d5	8.629	63	153420	90.537	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.540%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	308222	47.497	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.000%		
66) 1,2-Dichlorobenzene-d4	12.192	152	153622	55.869	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	111.740%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	10246	2.794	ug/L #	30
8) Chloroethane	1.604	64	8824	3.701	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1070	0.387	ug/L #	20
12) 1,1-Dichloroethene	2.578	96	4845	1.875	ug/L #	1
13) Acetone	2.620	43	95683	36.947	ug/L	100
15) Methyl Acetate	2.951	43	3007	0.852	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	4077	1.254	ug/L	95
22) 2-Butanone	4.707	43	22506	7.695	ug/L	96
34) Trichloroethene	6.543	95	16398	5.601	ug/L	94
39) cis-1,3-Dichloropropene	7.568	75	3102	0.678	ug/L #	69
46) Tetrachloroethene	8.549	164	15974	6.832	ug/L	94
49) Dibromochloromethane	8.552	129	16022	4.370	ug/L #	11

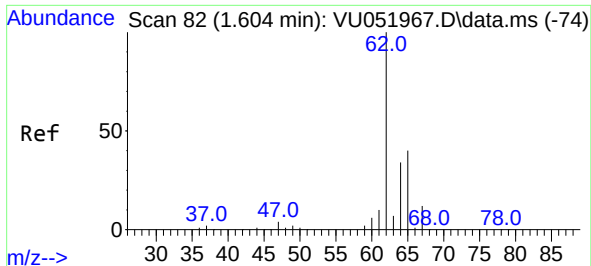
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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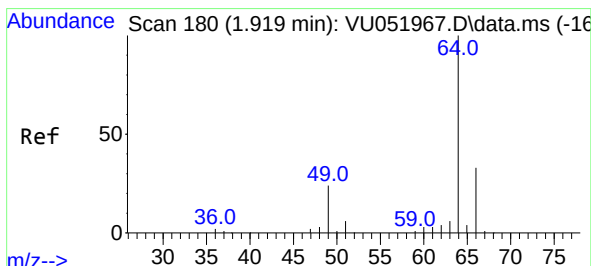
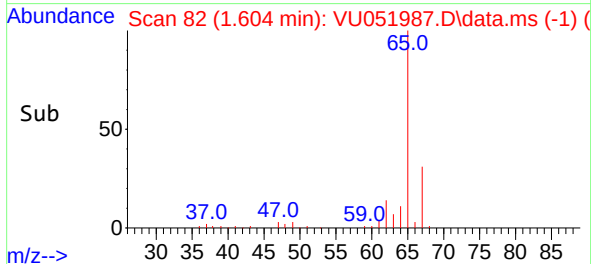
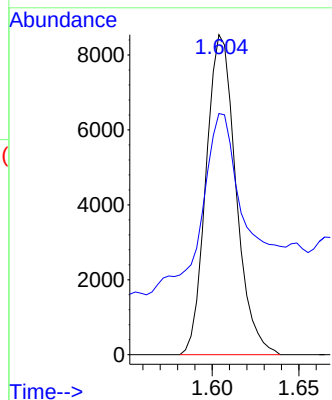
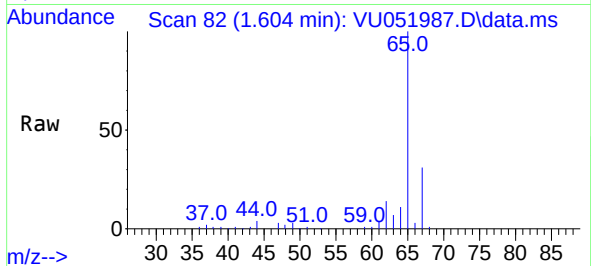




#5
 Vinyl chloride
 Concen: 2.794 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU051987.D
 Acq: 20 Nov 2022 20:50

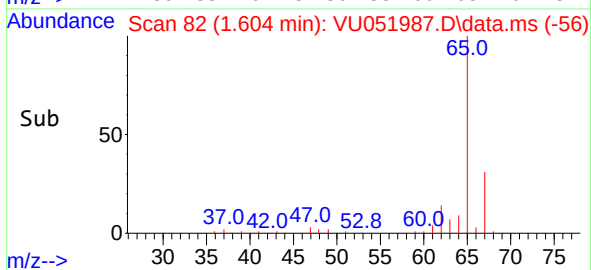
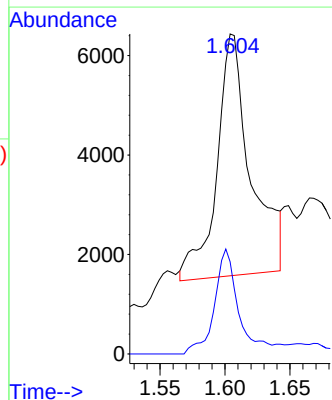
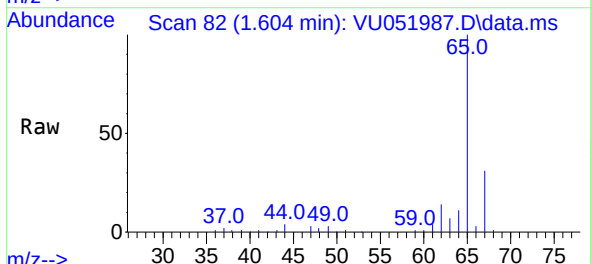
Instrument :
 MSVOA_U
 ClientSampleId :
 COL03

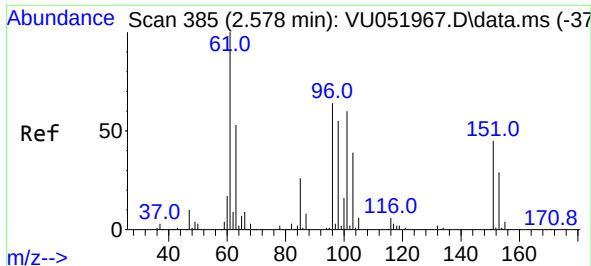
Tgt Ion: 62 Resp: 10246
 Ion Ratio Lower Upper
 62 100
 64 75.3 24.3 45.1#



#8
 Chloroethane
 Concen: 3.701 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.315 min
 Lab File: VU051987.D
 Acq: 20 Nov 2022 20:50

Tgt Ion: 64 Resp: 8824
 Ion Ratio Lower Upper
 64 100
 66 28.8 22.4 41.6

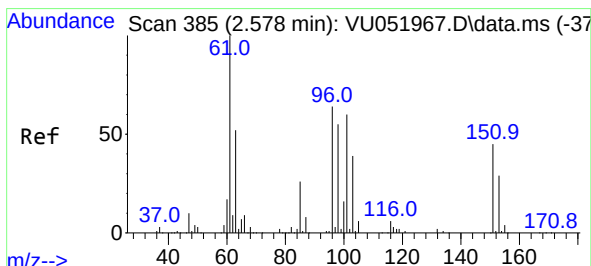
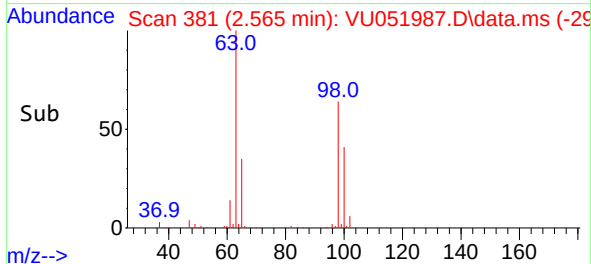
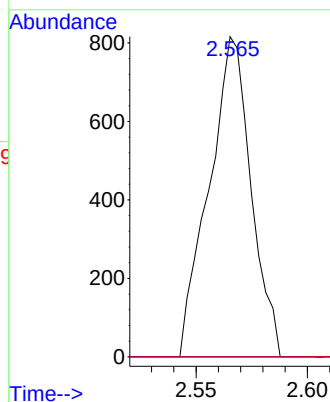
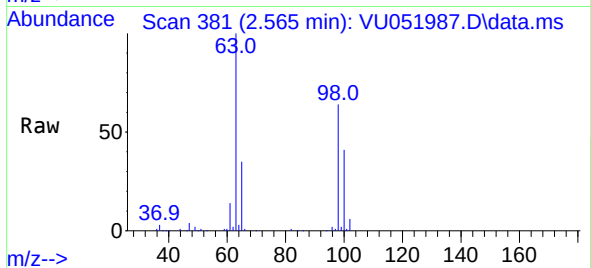




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.387 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.010 min
Lab File: VU051987.D
Acq: 20 Nov 2022 20:50

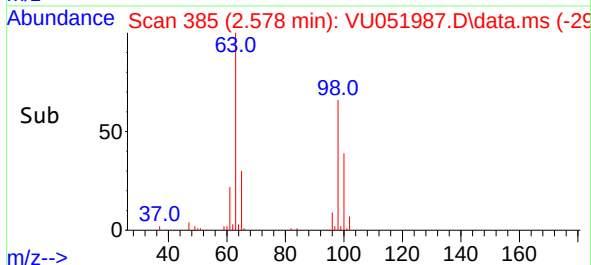
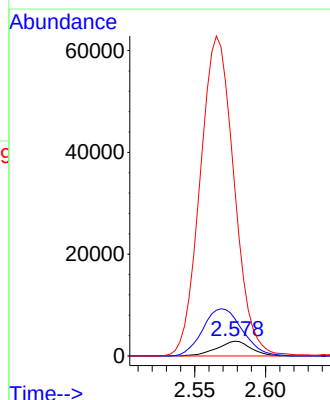
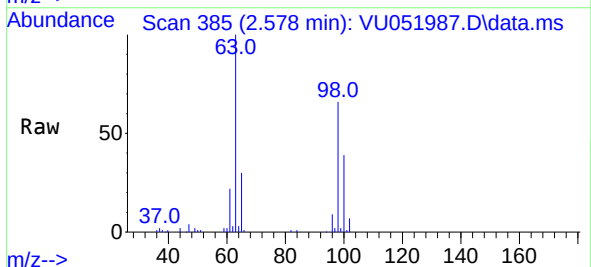
Instrument :
MSVOA_U
ClientSampleId :
COL03

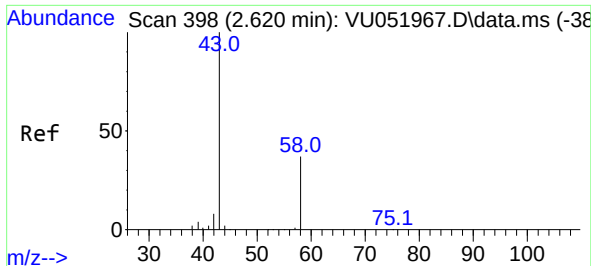
Tgt Ion:101 Resp: 1070
Ion Ratio Lower Upper
101 100
85 0.0 34.2 51.2#
151 0.0 58.3 87.5#



#12
1,1-Dichloroethene
Concen: 1.875 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU051987.D
Acq: 20 Nov 2022 20:50

Tgt Ion: 96 Resp: 4845
Ion Ratio Lower Upper
96 100
61 254.4 110.7 205.5#
63 1150.2 68.6 127.4#





#13

Acetone

Concen: 36.947 ug/L

RT: 2.620 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU051987.D

Acq: 20 Nov 2022 20:50

Instrument :

MSVOA_U

ClientSampleId :

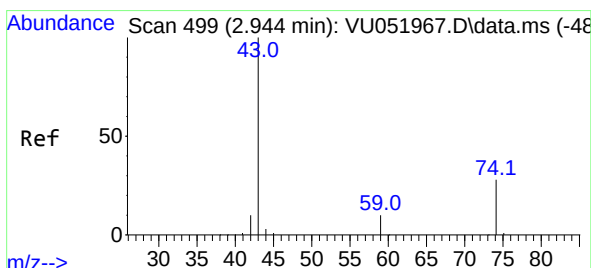
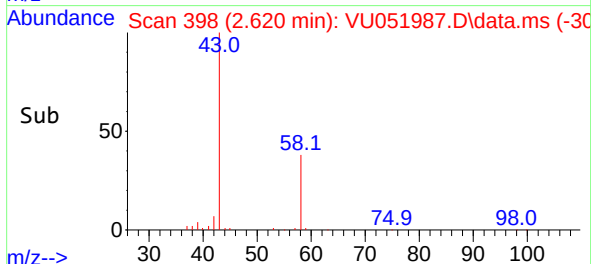
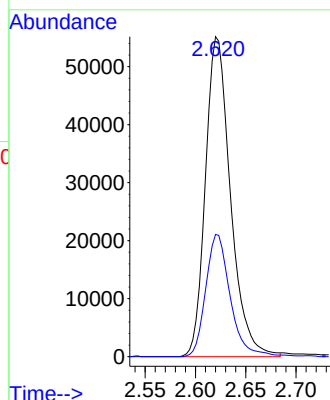
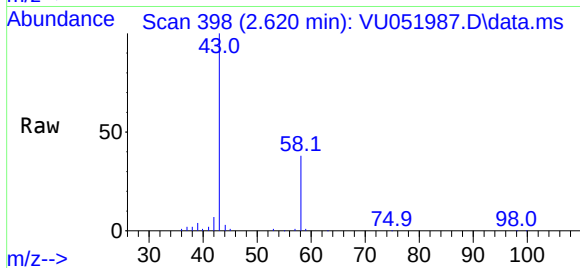
C0L03

Tgt Ion: 43 Resp: 95683

Ion Ratio Lower Upper

43 100

58 37.4 0.0 75.4



#15

Methyl Acetate

Concen: 0.852 ug/L

RT: 2.951 min Scan# 501

Delta R.T. 0.010 min

Lab File: VU051987.D

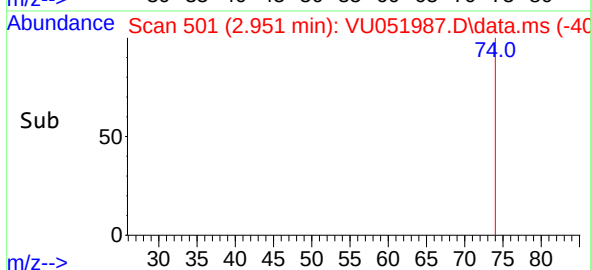
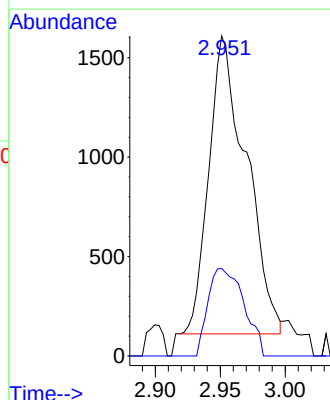
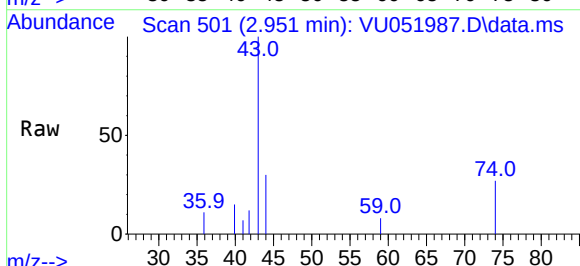
Acq: 20 Nov 2022 20:50

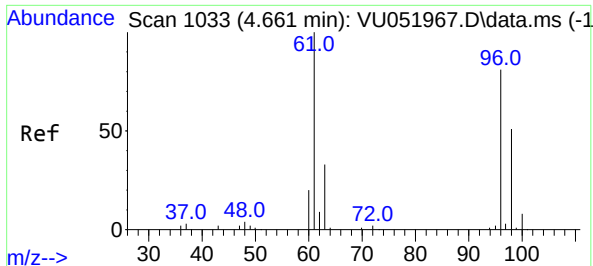
Tgt Ion: 43 Resp: 3007

Ion Ratio Lower Upper

43 100

74 28.1 21.8 32.8





#20

cis-1,2-Dichloroethene

Concen: 1.254 ug/L

RT: 4.668 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VU051987.D

Acq: 20 Nov 2022 20:50

Instrument :

MSVOA_U

ClientSampleId :

C0L03

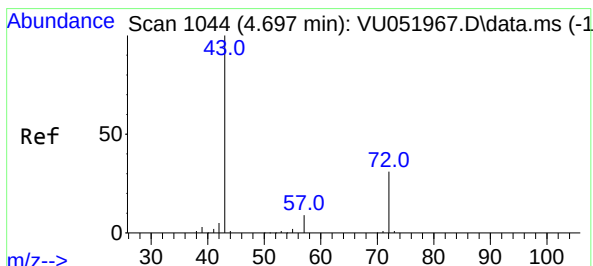
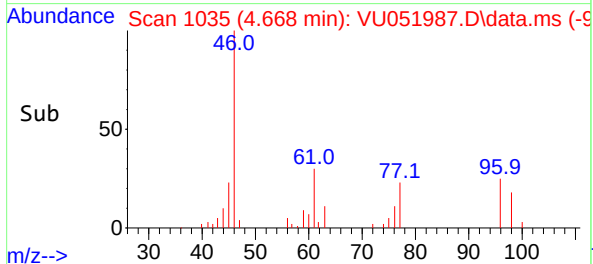
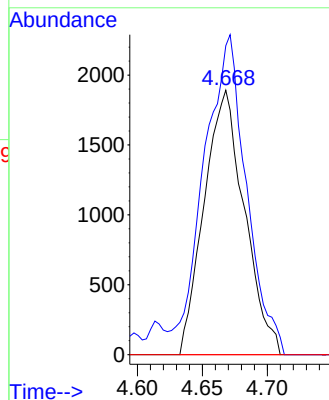
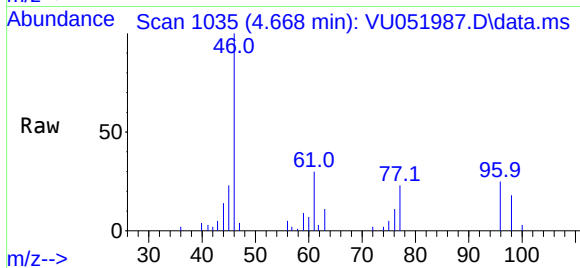
Tgt Ion: 96 Resp: 4077

Ion Ratio Lower Upper

96 100

61 116.8 86.0 159.8

68 0.0 0.0 0.0



#22

2-Butanone

Concen: 7.695 ug/L

RT: 4.707 min Scan# 1047

Delta R.T. 0.010 min

Lab File: VU051987.D

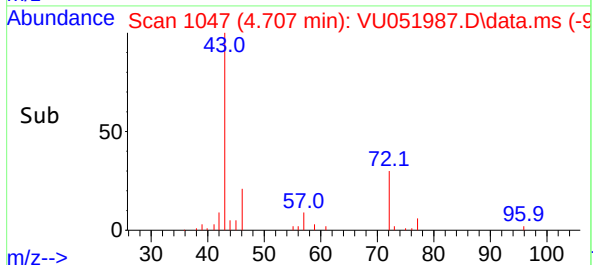
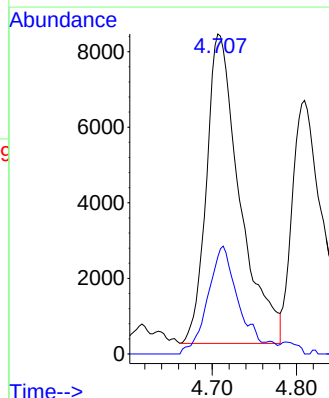
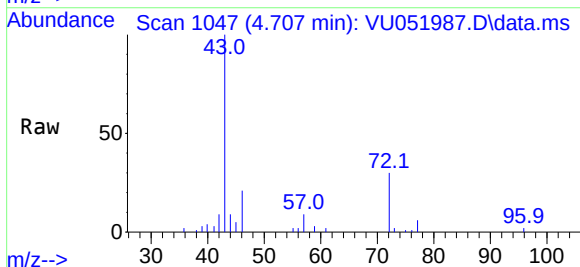
Acq: 20 Nov 2022 20:50

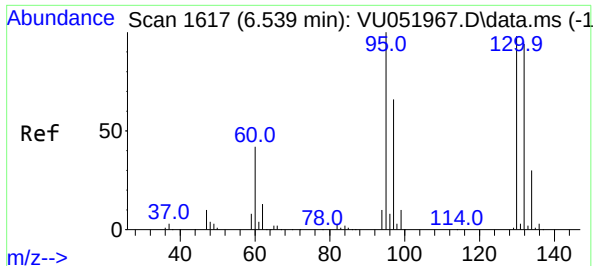
Tgt Ion: 43 Resp: 22506

Ion Ratio Lower Upper

43 100

72 29.2 15.7 47.1



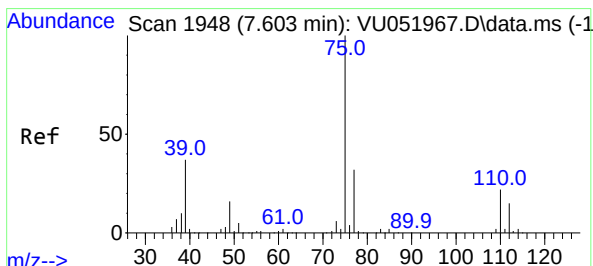
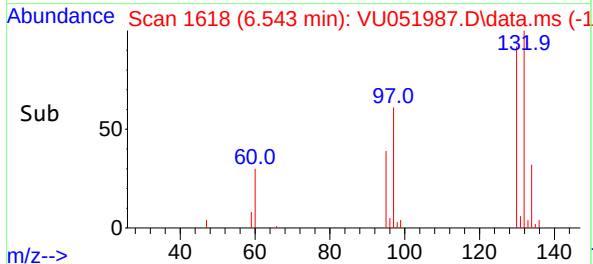
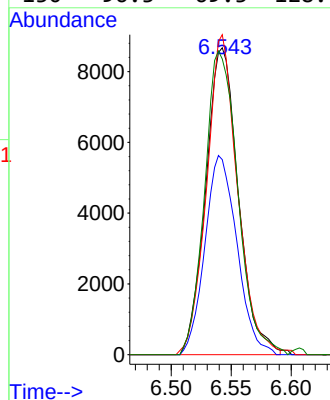
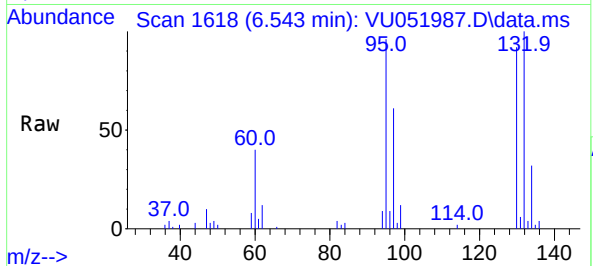


#34
Trichloroethene
Concen: 5.601 ug/L
RT: 6.543 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU051987.D
Acq: 20 Nov 2022 20:50

Instrument :
MSVOA_U
ClientSampleId :
COL03

Tgt Ion: 95 Resp: 16398

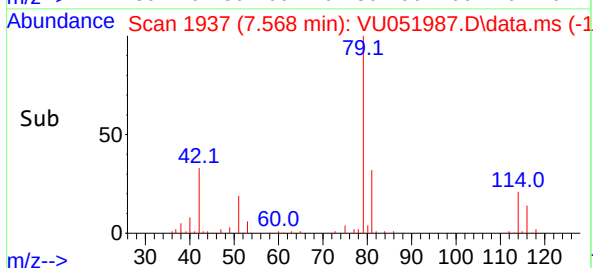
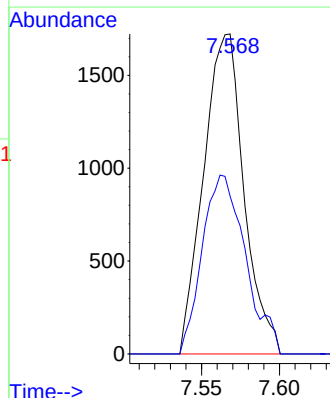
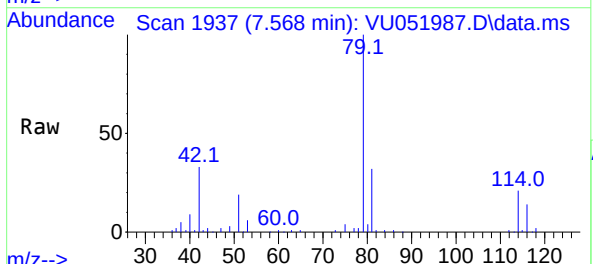
Ion	Ratio	Lower	Upper
95	100		
97	63.6	45.8	85.0
132	104.3	65.3	121.3
130	96.3	69.3	128.7

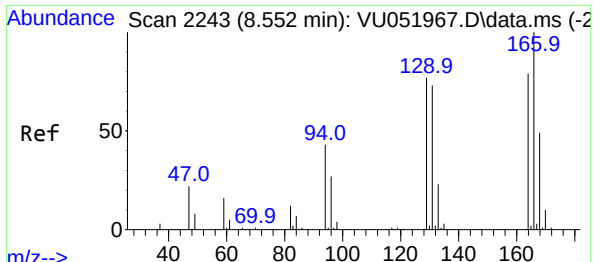


#39
cis-1,3-Dichloropropene
Concen: 0.678 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.039 min
Lab File: VU051987.D
Acq: 20 Nov 2022 20:50

Tgt Ion: 75 Resp: 3102

Ion	Ratio	Lower	Upper
75	100		
77	49.3	22.5	41.7#





#46

Tetrachloroethene

Concen: 6.832 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU051987.D

Acq: 20 Nov 2022 20:50

Instrument :

MSVOA_U

ClientSampleId :

C0L03

Tgt Ion:164 Resp: 15974

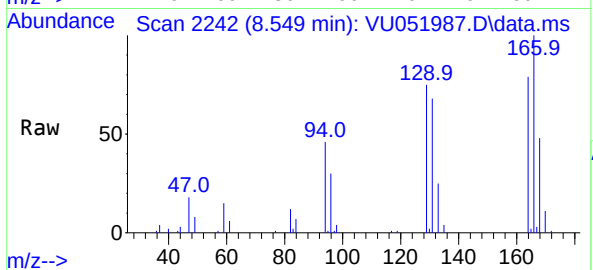
Ion Ratio Lower Upper

164 100

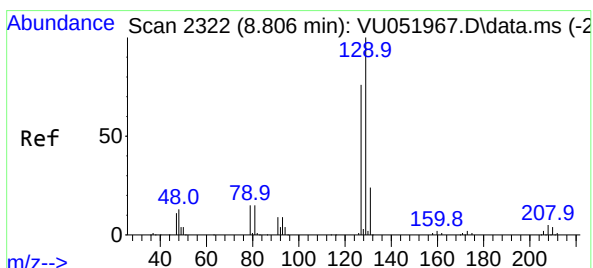
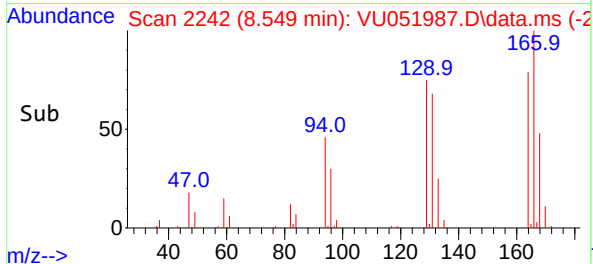
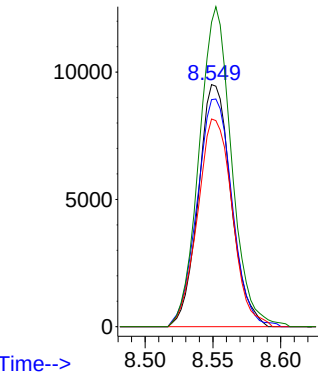
129 93.8 68.5 127.1

131 85.8 66.6 123.8

166 125.8 91.9 170.7



Abundance



#49

Dibromochloromethane

Concen: 4.370 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.257 min

Lab File: VU051987.D

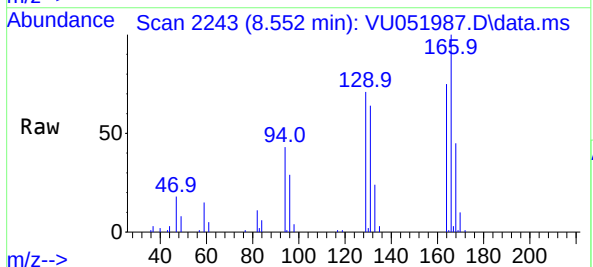
Acq: 20 Nov 2022 20:50

Tgt Ion:129 Resp: 16022

Ion Ratio Lower Upper

129 100

127 0.0 54.4 101.0#



Abundance

