

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)

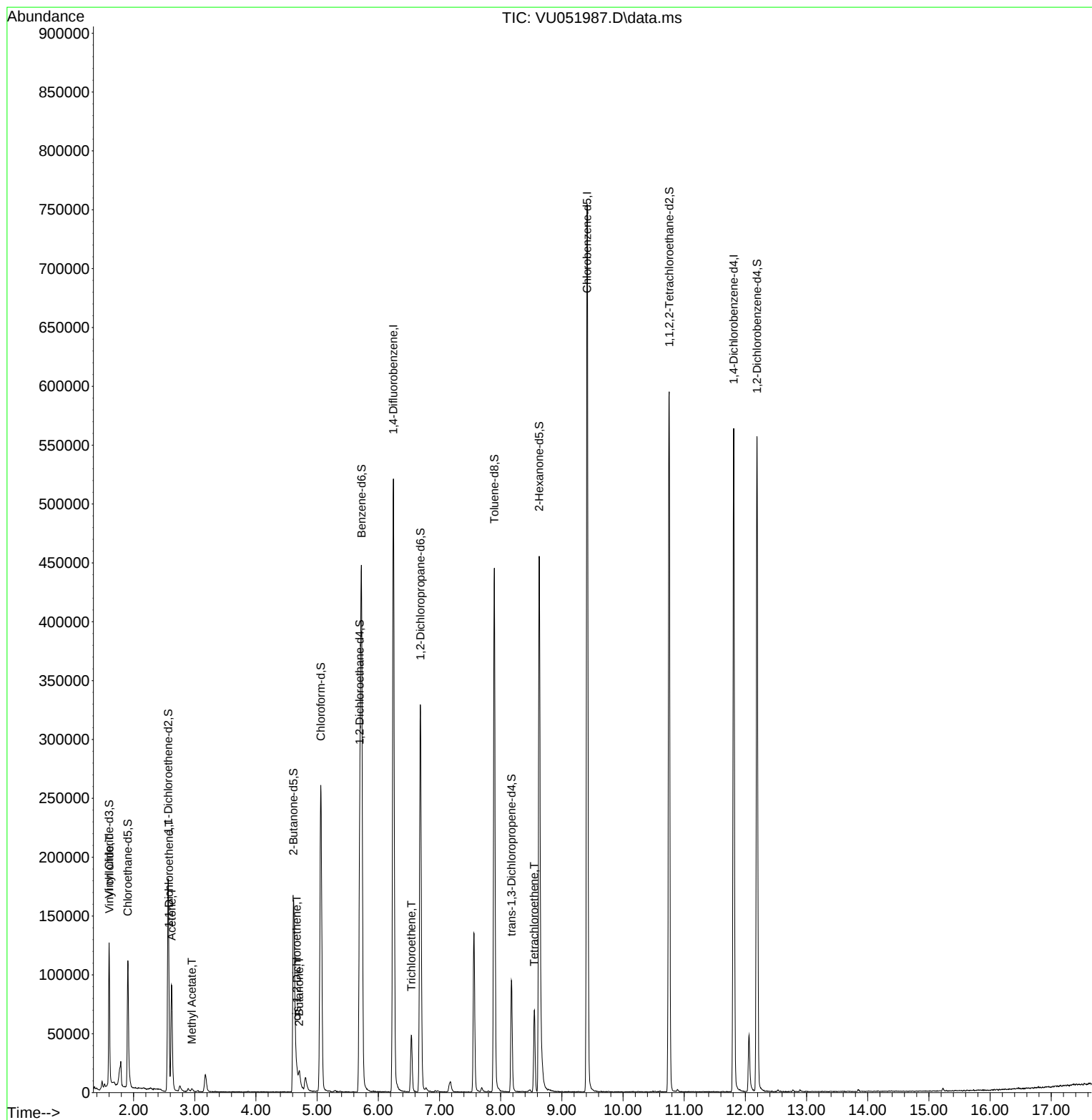
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	433603	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	429611	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	156247	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	79613	37.400	ug/L	0.00
Spiked Amount	50.000	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
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
46) Tetrachloroethene	8.549	164	15974	6.832	ug/L	94

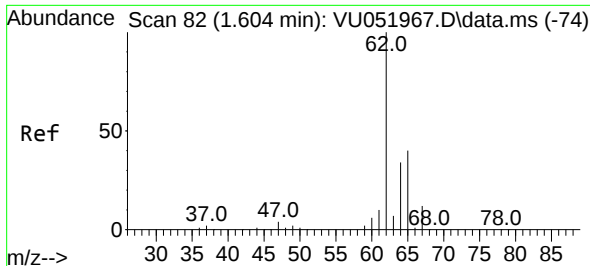
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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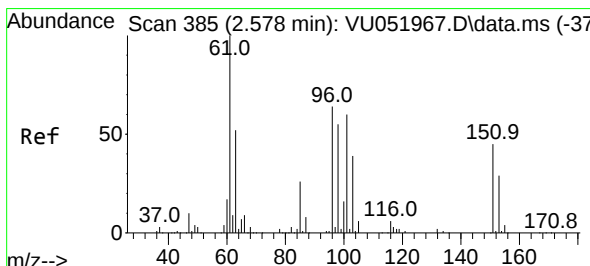
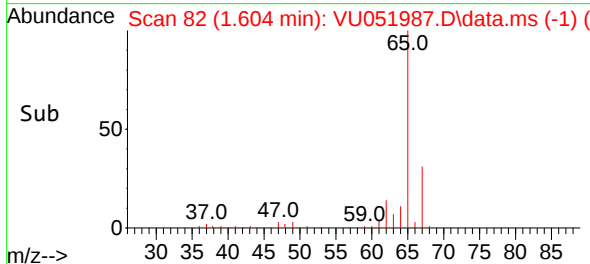
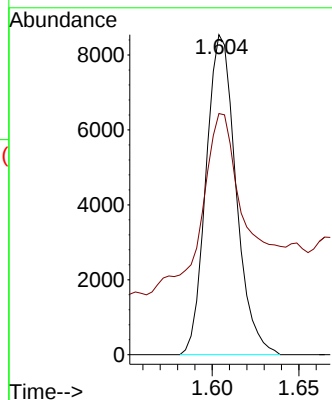
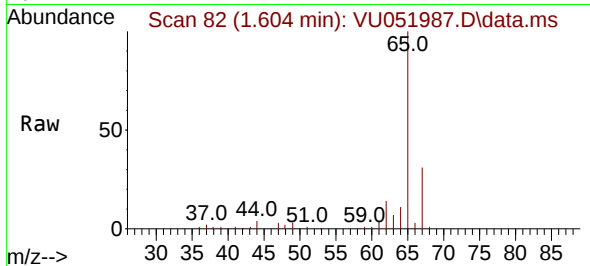




#5
 Vinyl chloride
 Concen: 2.794 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051987.D
 Acq: 20 Nov 2022 20:50

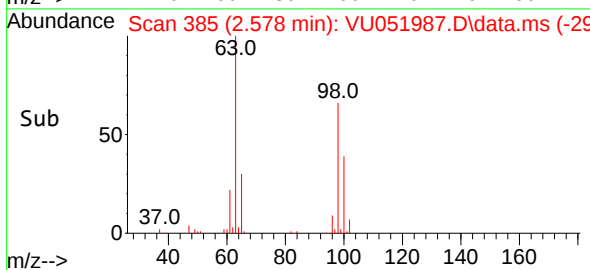
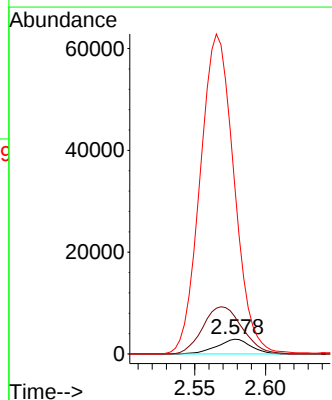
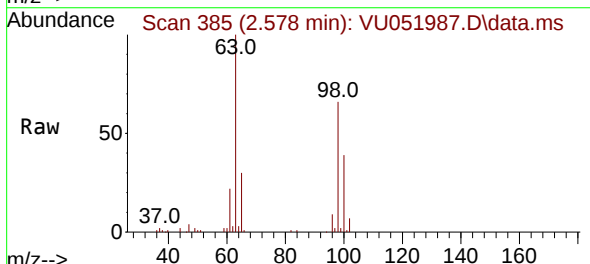
Instrument :
 MSVOA_U
 ClientSampleId :
 COL03

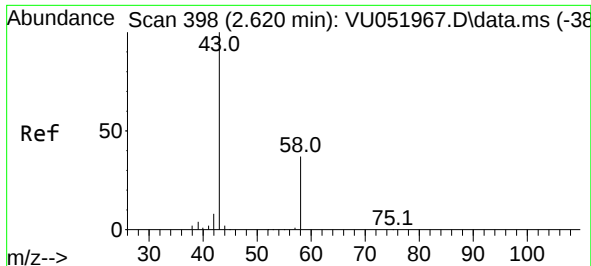
Tgt Ion: 62 Resp: 10246
 Ion Ratio Lower Upper
 62 100
 64 75.3 24.3 45.1#



#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 :

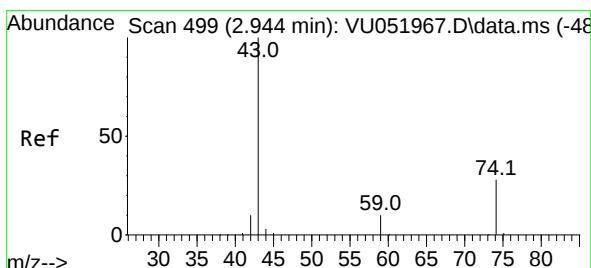
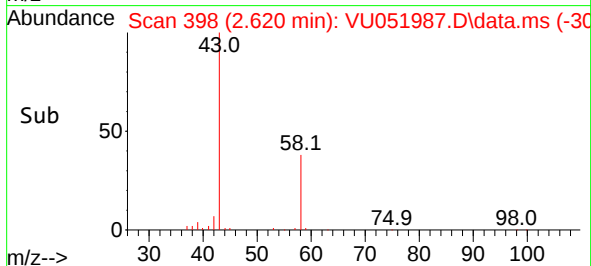
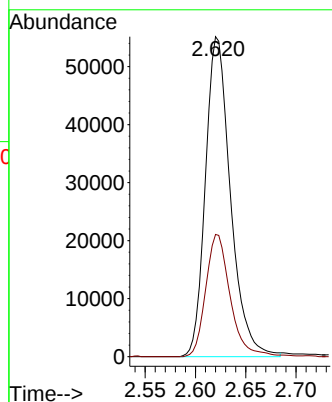
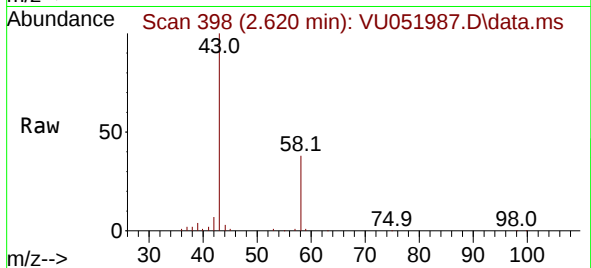
COL03

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

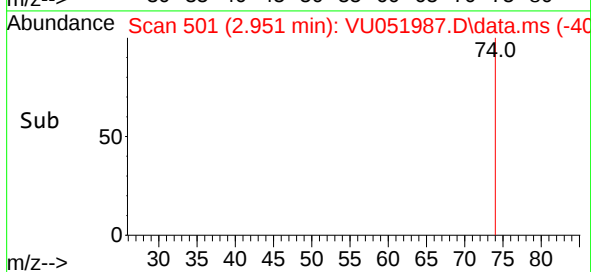
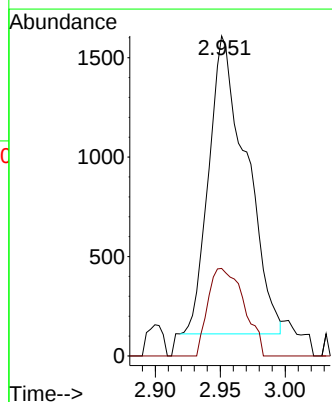
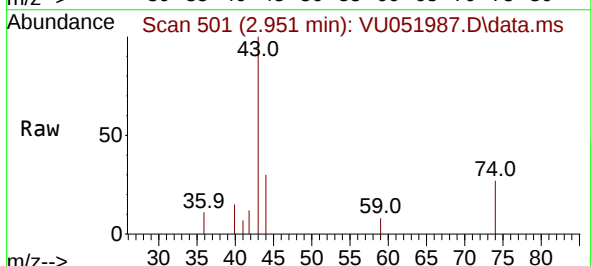
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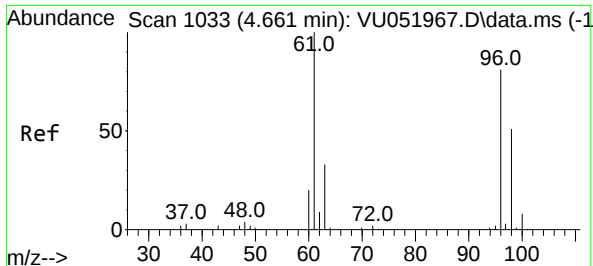
Tgt Ion: 43 Resp: 3007

Ion Ratio Lower Upper

43 100

74 28.1 21.8 32.8

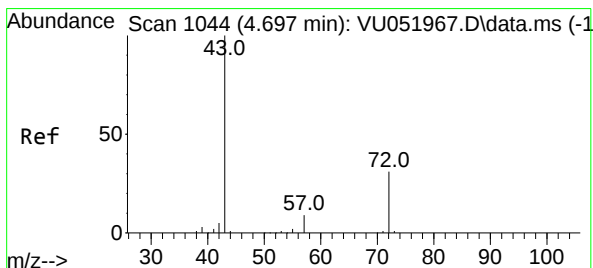
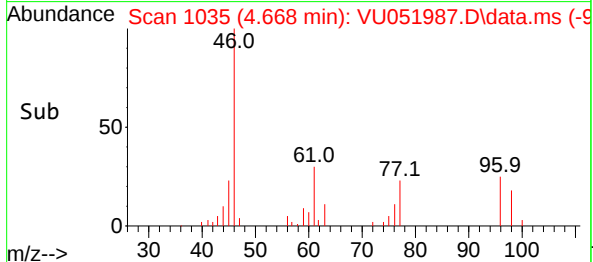
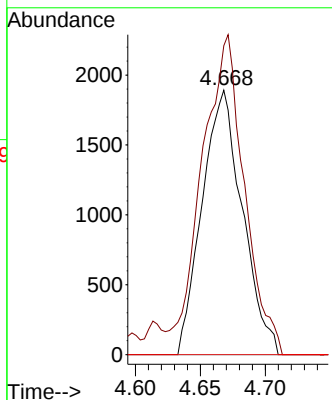
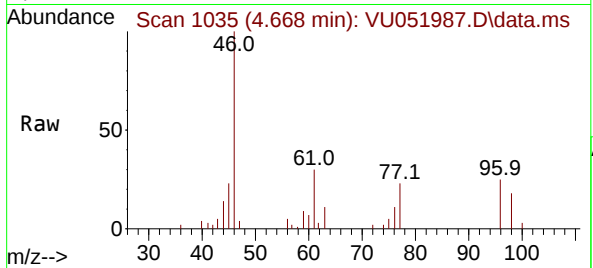




#20
 cis-1,2-Dichloroethene
 Concen: 1.254 ug/L
 RT: 4.668 min Scan# 1033
 Delta R.T. 0.003 min
 Lab File: VU051987.D
 Acq: 20 Nov 2022 20:50

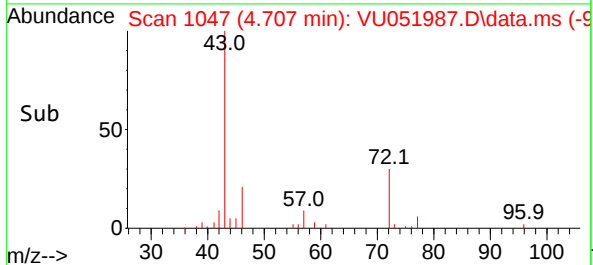
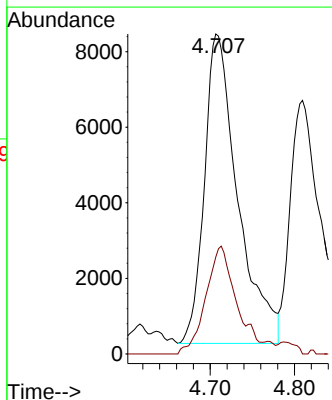
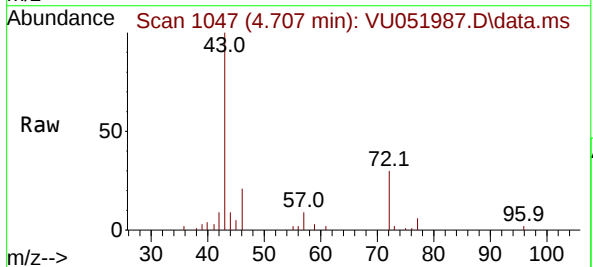
Instrument :
 MSVOA_U
 ClientSampleId :
 COL03

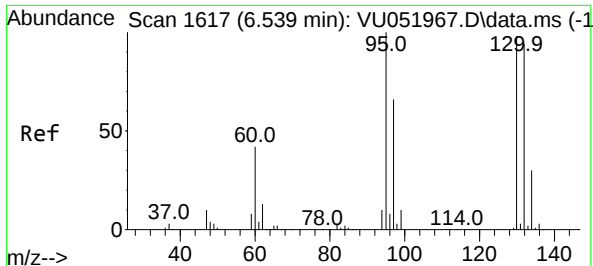
Tgt Ion: 96 Resp: 4077
 Ion Ratio Lower Upper
 96 100
 61 116.8 86.0 159.8
 68 0.0 0.0 0.0



#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



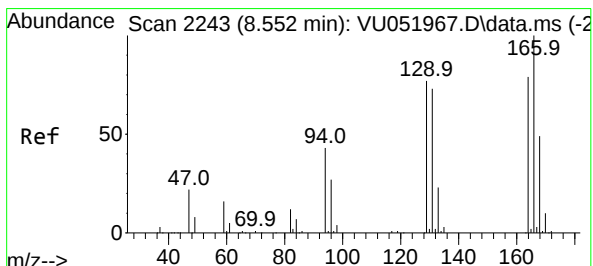
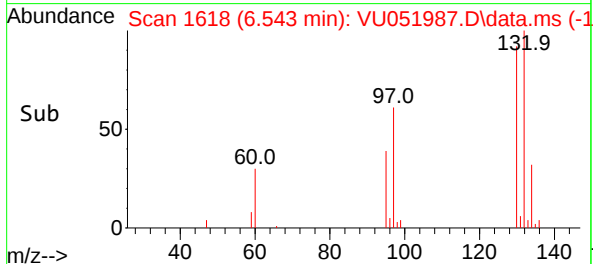
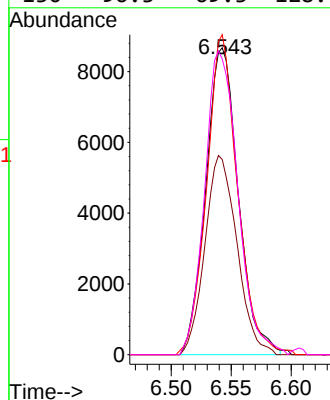
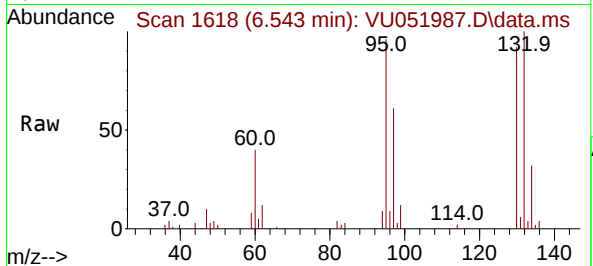


#34
Trichloroethene
Concen: 5.601 ug/L
RT: 6.543 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU051987.D
Acq: 20 Nov 2022 20:50

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



#46
Tetrachloroethene
Concen: 6.832 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU051987.D
Acq: 20 Nov 2022 20:50

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

