

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112022\
 Data File : VU051986.D
 Acq On : 20 Nov 2022 20:24
 Operator : JC/MD
 Sample : N5710-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COKZO

Quant Time: Nov 21 01:03:39 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	453537	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	447411	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	167596	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.600	65	104373	46.877	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.760%
7) Chloroethane-d5	1.906	69	93523	41.923	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.840%
11) 1,1-Dichloroethene-d2	2.578	63	486976	121.965	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	243.940%#
21) 2-Butanone-d5	4.616	46	243677	96.245	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.240%
24) Chloroform-d	5.060	84	250892	44.951	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.900%
26) 1,2-Dichloroethane-d4	5.697	65	157143	45.993	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.980%
32) Benzene-d6	5.726	84	435816	46.718	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.440%
36) 1,2-Dichloropropane-d6	6.687	67	174646	50.295	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.600%
41) Toluene-d8	7.896	98	327107	42.720	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.440%
43) trans-1,3-Dichloroprop...	8.176	79	57406	41.505	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.020%
47) 2-Hexanone-d5	8.629	63	172983	98.020	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.020%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	314193	46.490	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.980%
66) 1,2-Dichlorobenzene-d4	12.192	152	162232	55.005	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.020%

Target Compounds

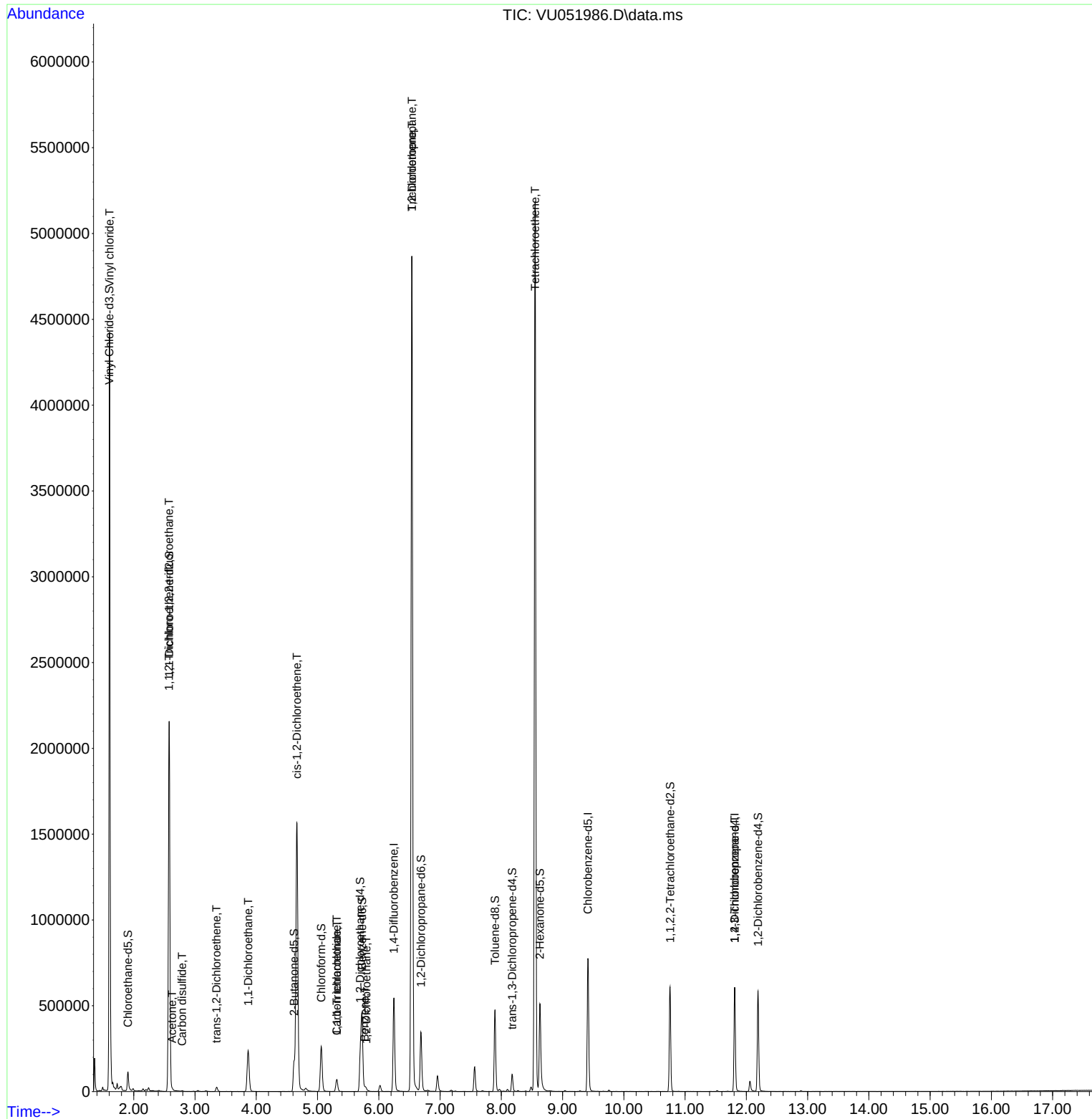
						Qvalue
5) Vinyl chloride	1.604	62	2991475	779.942	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	2739	0.946	ug/L #	28
13) Acetone	2.623	43	8930	3.297	ug/L	99
14) Carbon disulfide	2.790	76	4098	0.547	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	10126	3.476	ug/L	95
19) 1,1-Dichloroethane	3.867	63	279184	47.094	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	851889	250.605	ug/L	100
27) 1,2-Dichloroethane	5.796	62	8930	1.954	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	49257	10.889	ug/L	98
31) Carbon tetrachloride	5.314	117	6988	1.848	ug/L	98
33) Benzene	5.771	78	19737	1.534	ug/L	100
34) Trichloroethene	6.539	95	1692029	554.948	ug/L	98
37) 1,2-Dichloropropane	6.539	63	4723	1.296	ug/L	99
46) Tetrachloroethene	8.552	164	1173487	481.930	ug/L	98
60) 1,2,3-Trichloropropane	11.809	75	18798	4.689	ug/L #	70

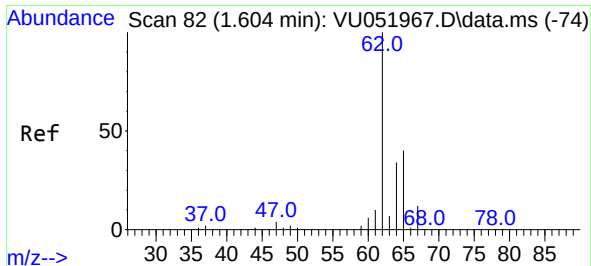
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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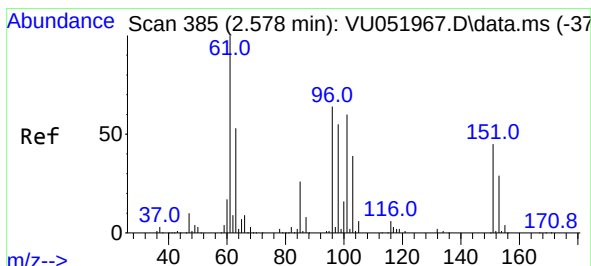
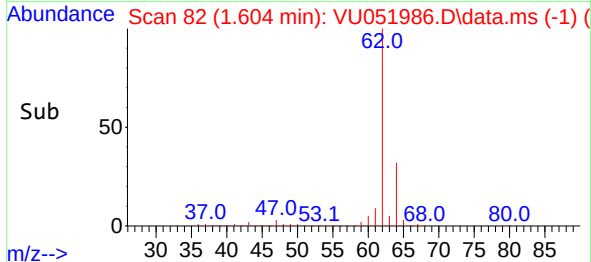
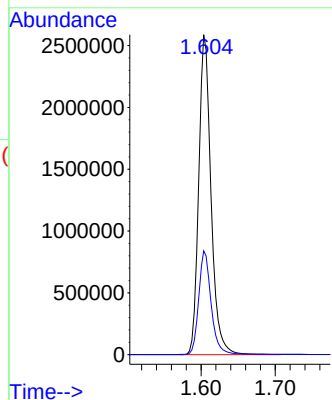
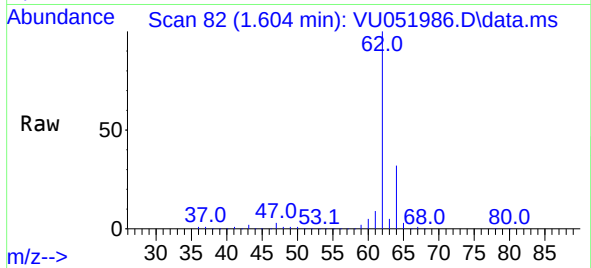




#5
 Vinyl chloride
 Concen: 779.942 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051986.D
 Acq: 20 Nov 2022 20:24

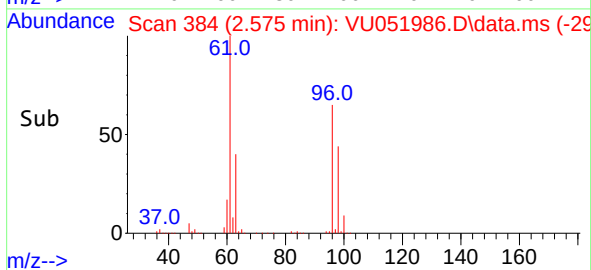
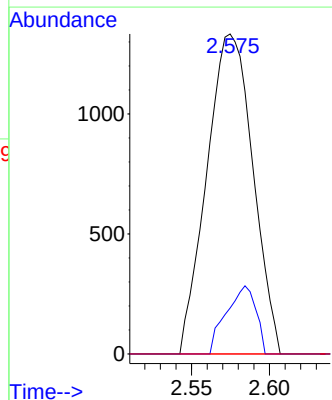
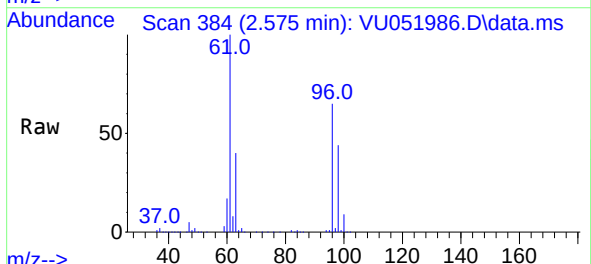
Instrument :
 MSVOA_U
 ClientSampleId :
 COKZ0

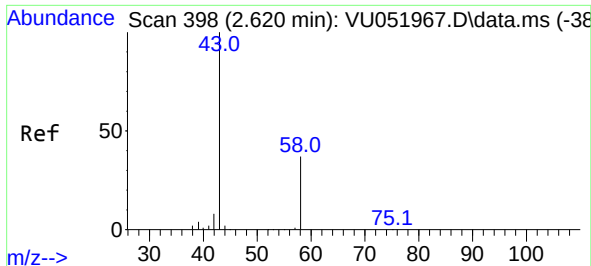
Tgt Ion: 62 Resp: 2991475
 Ion Ratio Lower Upper
 62 100
 64 32.5 24.3 45.1



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.946 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU051986.D
 Acq: 20 Nov 2022 20:24

Tgt Ion: 101 Resp: 2739
 Ion Ratio Lower Upper
 101 100
 85 13.7 34.2 51.2#
 151 0.0 58.3 87.5#





#13

Acetone

Concen: 3.297 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU051986.D

Acq: 20 Nov 2022 20:24

Instrument :

MSVOA_U

ClientSampleId :

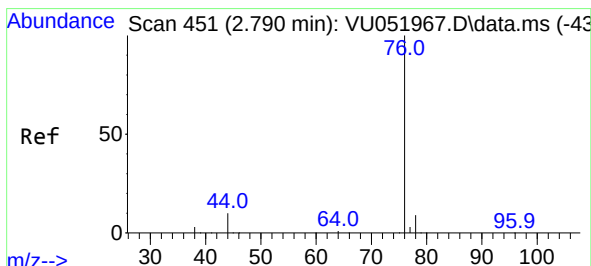
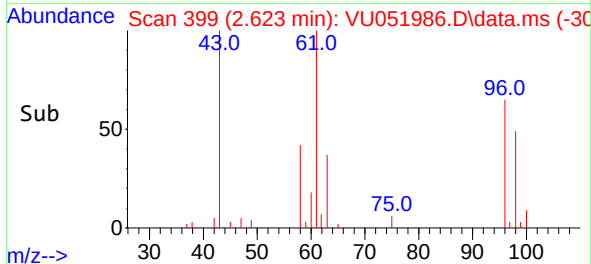
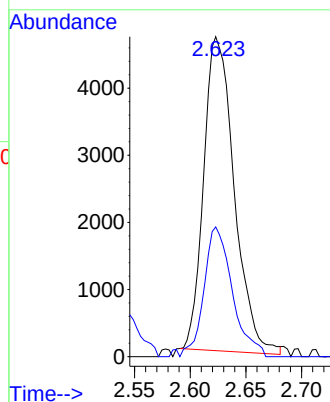
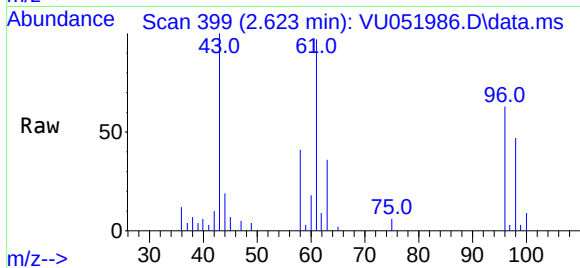
C0KZ0

Tgt Ion: 43 Resp: 8930

Ion Ratio Lower Upper

43 100

58 38.3 0.0 75.4



#14

Carbon disulfide

Concen: 0.547 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051986.D

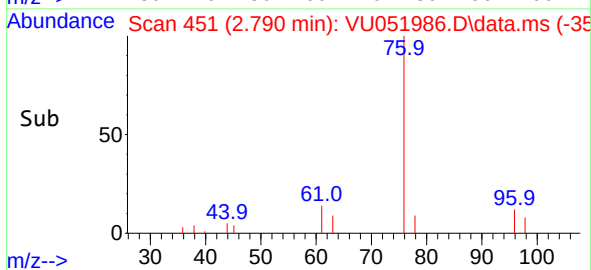
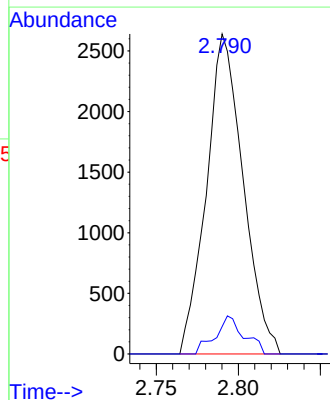
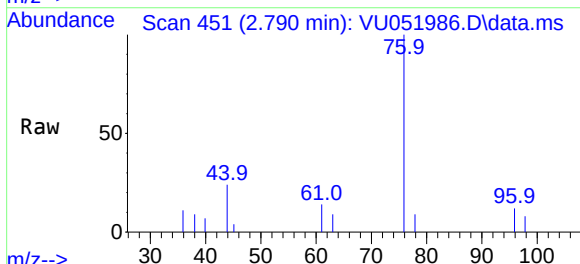
Acq: 20 Nov 2022 20:24

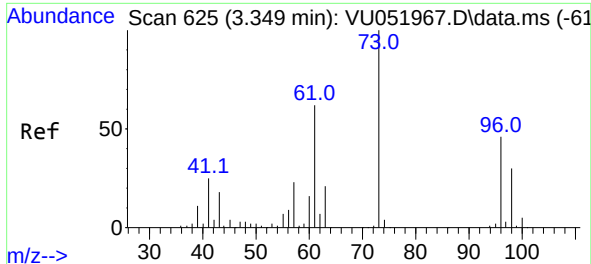
Tgt Ion: 76 Resp: 4098

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0

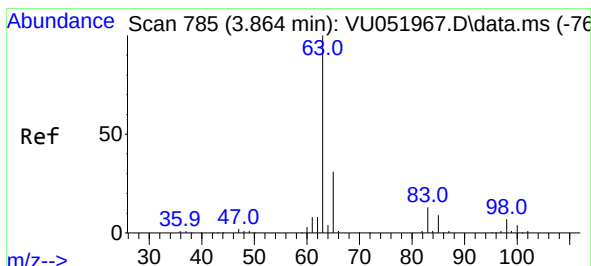
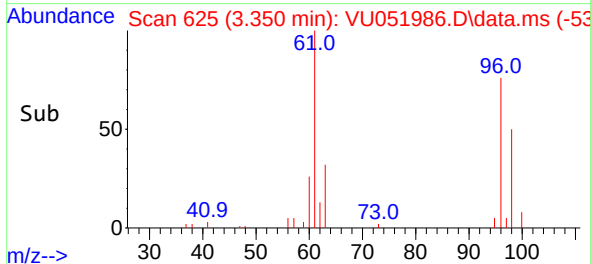
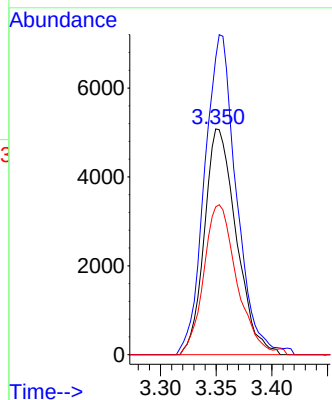
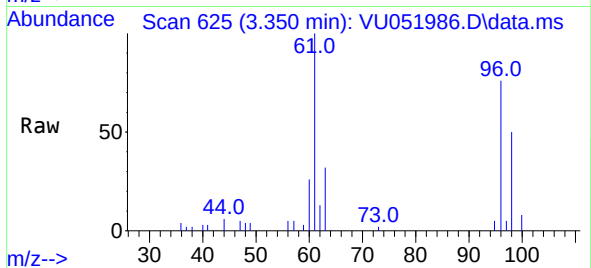




#17
trans-1,2-Dichloroethene
Concen: 3.476 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU051986.D
Acq: 20 Nov 2022 20:24

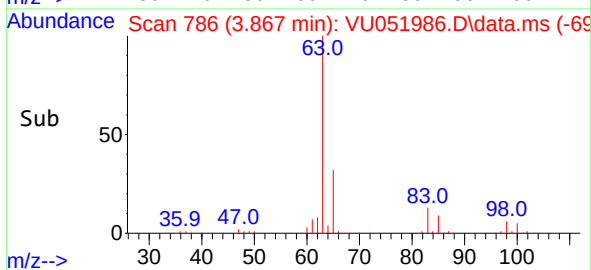
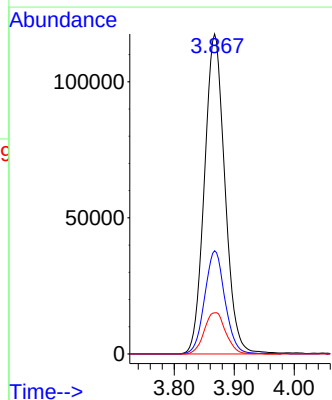
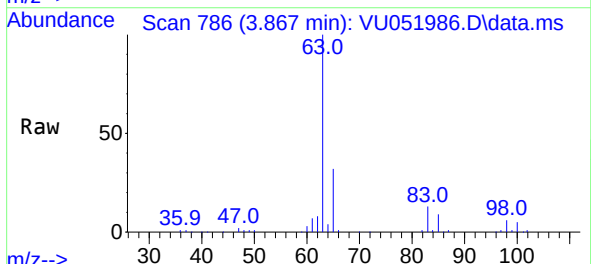
Instrument :
MSVOA_U
ClientSampleId :
COKZ0

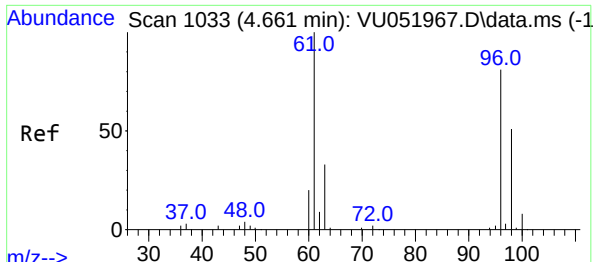
Tgt Ion: 96 Resp: 10126
Ion Ratio Lower Upper
96 100
61 131.4 98.3 182.7
98 65.5 45.5 84.5



#19
1,1-Dichloroethane
Concen: 47.094 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU051986.D
Acq: 20 Nov 2022 20:24

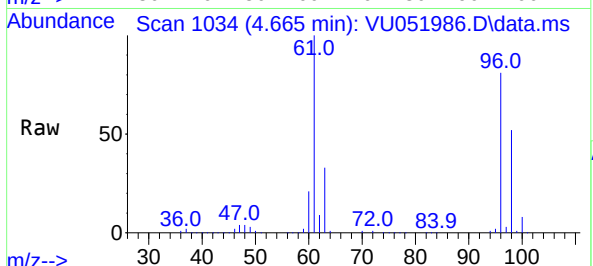
Tgt Ion: 63 Resp: 279184
Ion Ratio Lower Upper
63 100
65 32.2 22.2 41.2
83 12.8 9.6 17.8



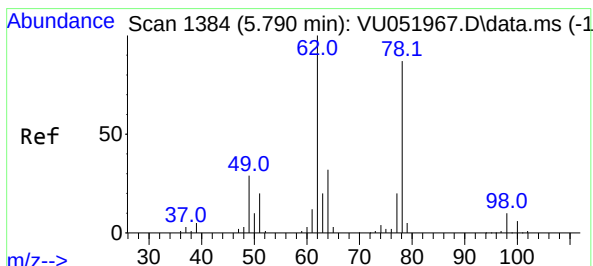
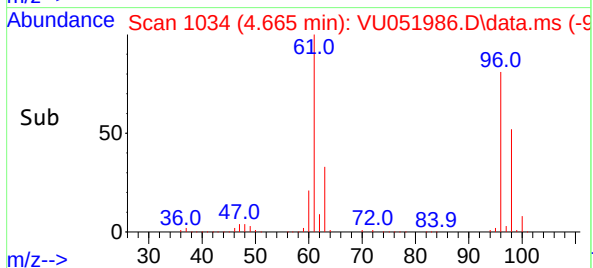
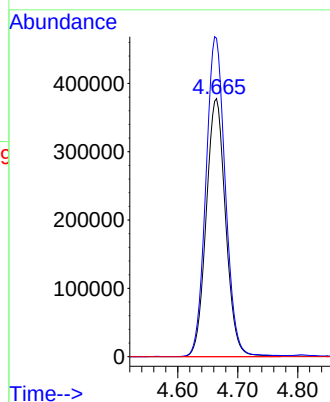


#20
cis-1,2-Dichloroethene
Concen: 250.605 ug/L
RT: 4.665 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU051986.D
Acq: 20 Nov 2022 20:24

Instrument :
MSVOA_U
ClientSampleId :
COKZ0

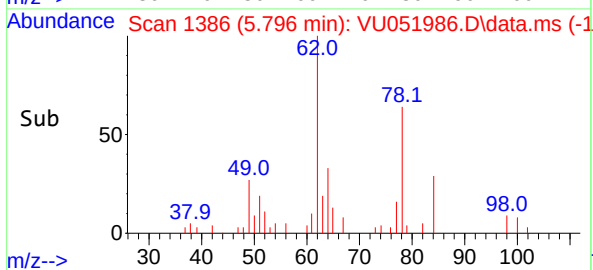
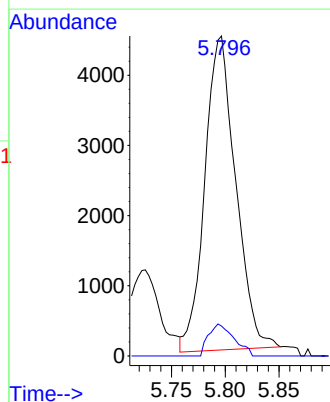
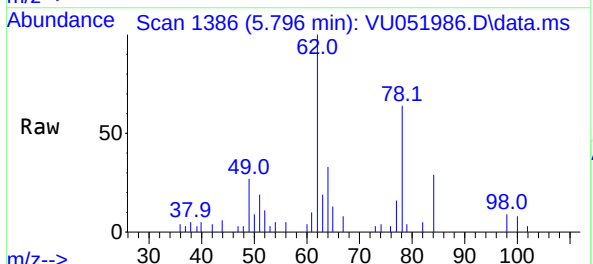


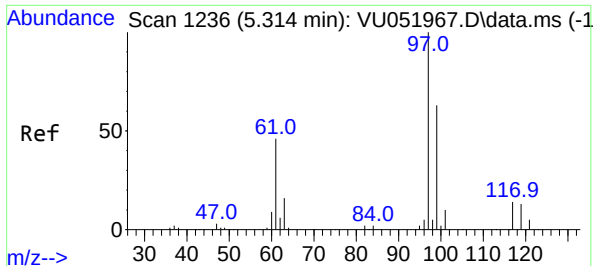
Tgt Ion: 96 Resp: 851889
Ion Ratio Lower Upper
96 100
61 123.4 86.0 159.8
68 0.0 0.0 0.0



#27
1,2-Dichloroethane
Concen: 1.954 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VU051986.D
Acq: 20 Nov 2022 20:24

Tgt Ion: 62 Resp: 8930
Ion Ratio Lower Upper
62 100
98 9.4 8.1 12.1

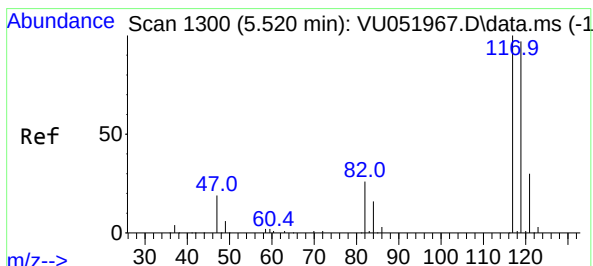
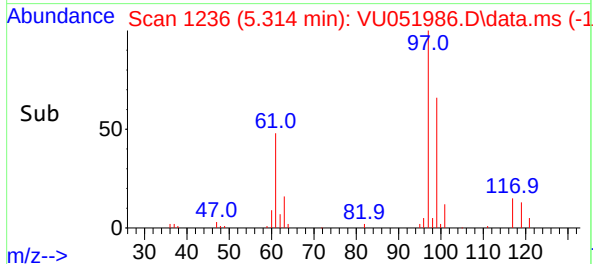
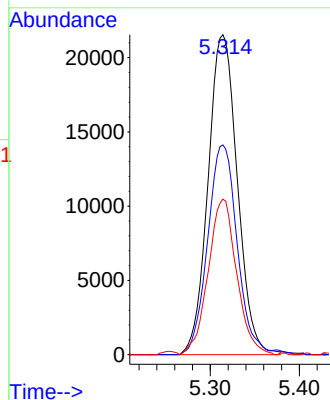
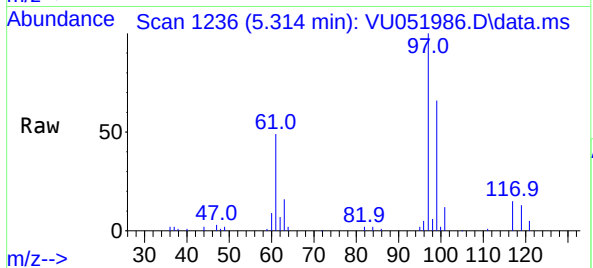




#30
1,1,1-Trichloroethane
Concen: 10.889 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VU051986.D
Acq: 20 Nov 2022 20:24

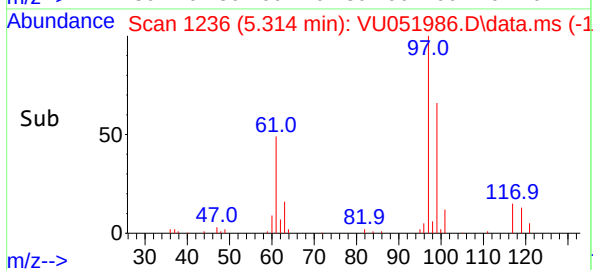
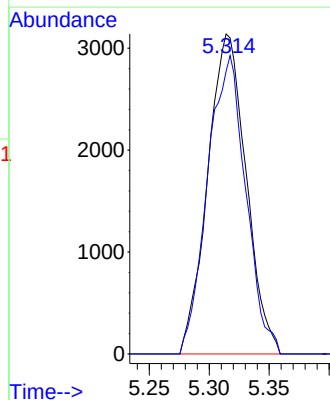
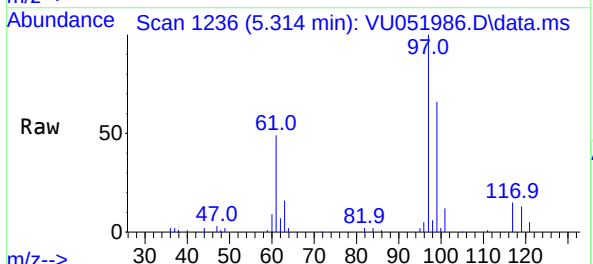
Instrument :
MSVOA_U
ClientSampleId :
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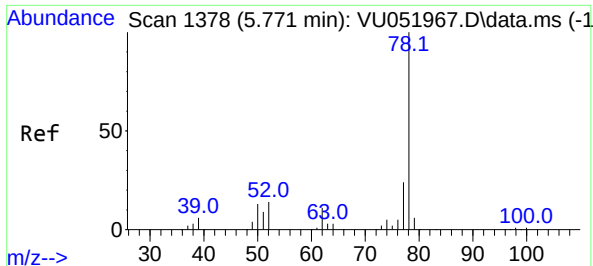
Tgt Ion:	97	Resp:	49257
Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.2	76.8
61	47.2	37.4	56.2



#31
Carbon tetrachloride
Concen: 1.848 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.209 min
Lab File: VU051986.D
Acq: 20 Nov 2022 20:24

Tgt Ion:	117	Resp:	6988
Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.6	113.4

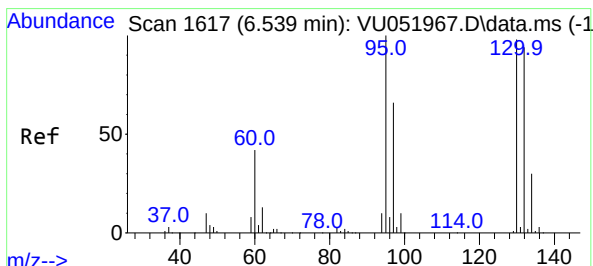
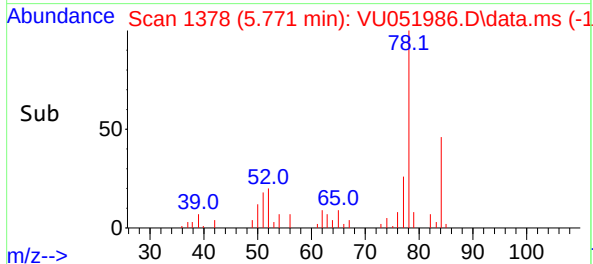
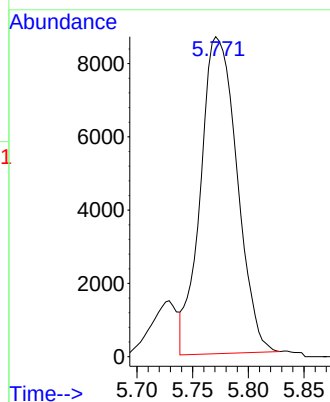
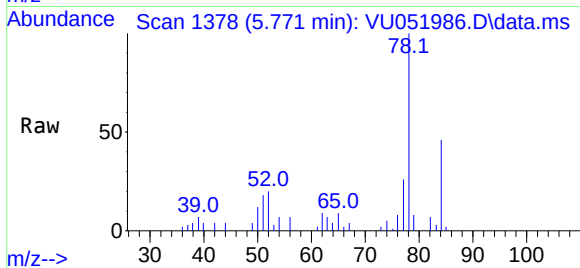




#33
Benzene
Concen: 1.534 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051986.D
Acq: 20 Nov 2022 20:24

Instrument : MSVOA_U
ClientSampleId : C0KZ0

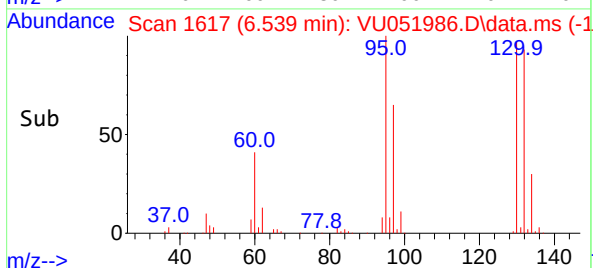
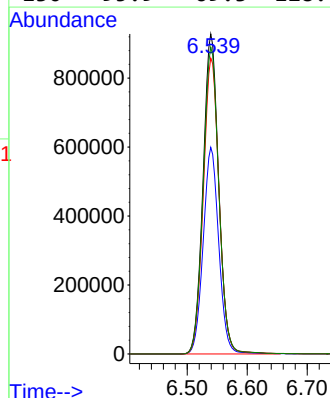
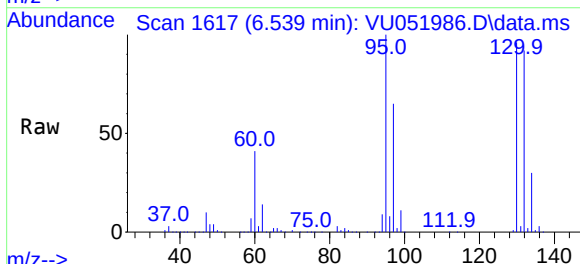
Tgt Ion: 78 Resp: 19737

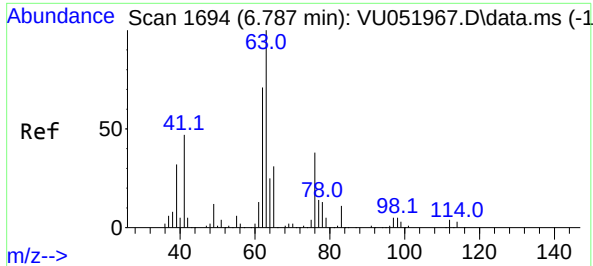


#34
Trichloroethene
Concen: 554.948 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051986.D
Acq: 20 Nov 2022 20:24

Tgt Ion: 95 Resp: 1692029

Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.8	85.0
132	92.4	65.3	121.3
130	95.9	69.3	128.7

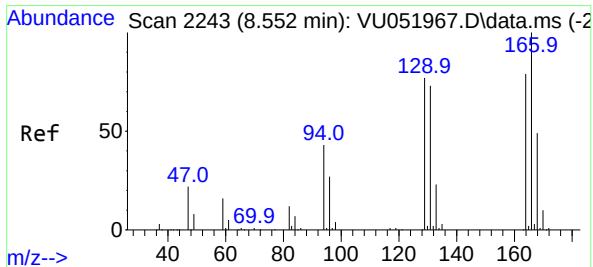
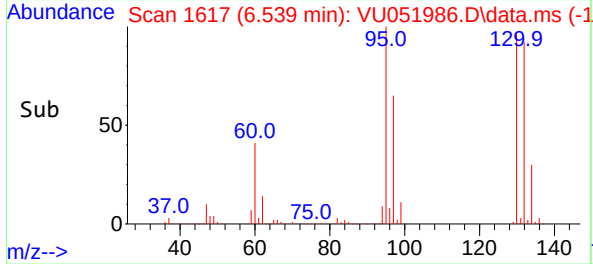
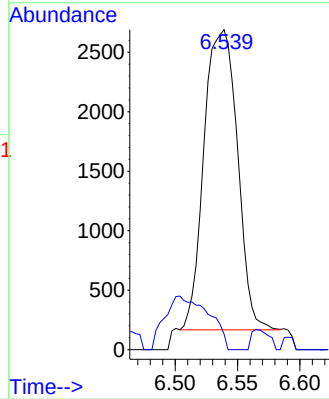
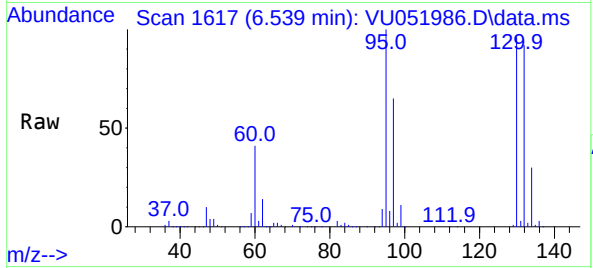




#37
1,2-Dichloropropane
Concen: 1.296 ug/L
RT: 6.539 min Scan# 11
Delta R.T. -0.251 min
Lab File: VU051986.D
Acq: 20 Nov 2022 20:24

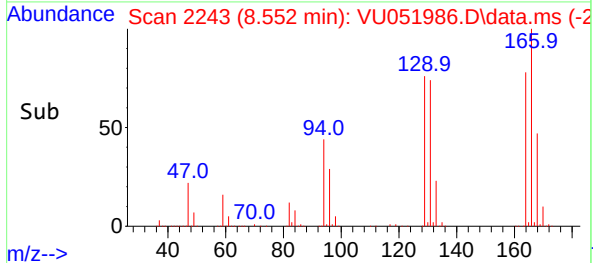
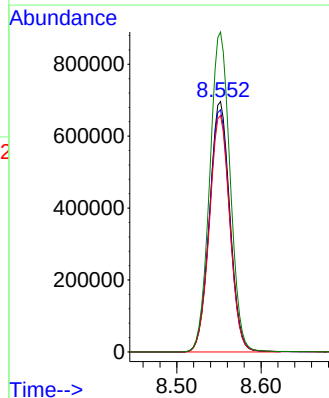
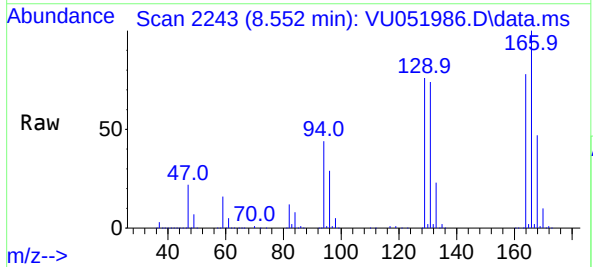
Instrument :
MSVOA_U
ClientSampleId :
COKZ0

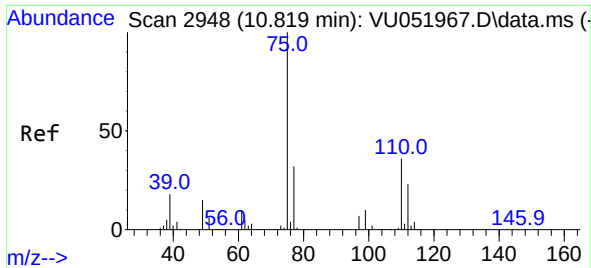
Tgt Ion: 63 Resp: 4723
Ion Ratio Lower Upper
63 100
112 3.5 3.0 4.6



#46
Tetrachloroethene
Concen: 481.930 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051986.D
Acq: 20 Nov 2022 20:24

Tgt Ion:164 Resp: 1173487
Ion Ratio Lower Upper
164 100
129 96.7 68.5 127.1
131 94.4 66.6 123.8
166 127.8 91.9 170.7





#60
 1,2,3-Trichloropropane
 Concen: 4.689 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU051986.D
 Acq: 20 Nov 2022 20:24

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KZ0

Tgt Ion: 75	Resp:	18798
Ion	Ratio	Lower Upper
75	100	
77	32.6	26.2 39.4
110	2.1	29.0 43.4#

