

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112022\
 Data File : VU051979.D
 Acq On : 20 Nov 2022 17:22
 Operator : JC/MD
 Sample : N5710-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY2

Quant Time: Nov 21 01:02:47 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)

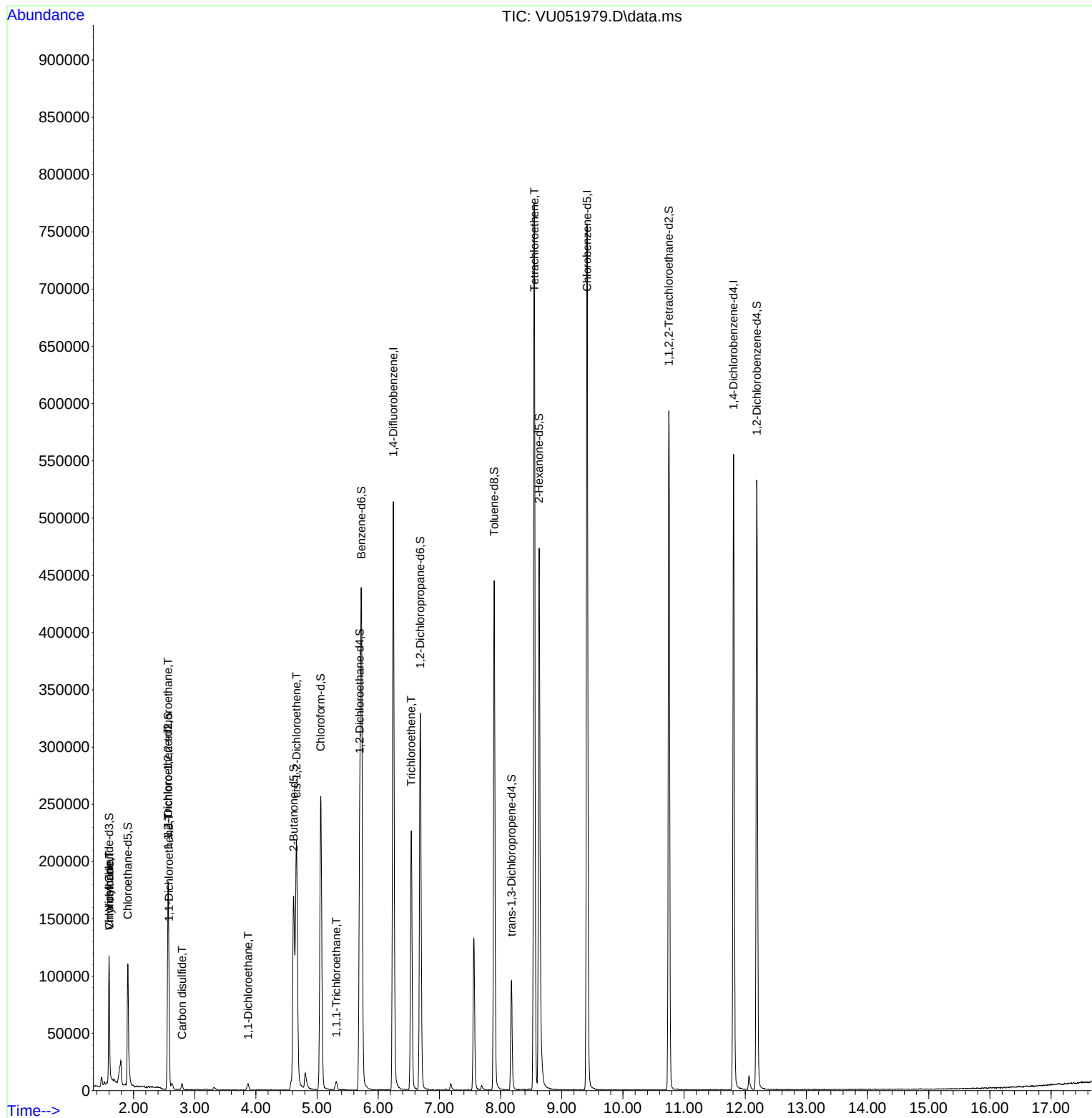
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	422977	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	427105	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	154079	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	80994	39.005	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.000%
7) Chloroethane-d5	1.906	69	94204	45.279	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.560%
11) 1,1-Dichloroethene-d2	2.565	63	107139	28.772	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.540%#
21) 2-Butanone-d5	4.616	46	243301	103.039	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.040%
24) Chloroform-d	5.060	84	243051	46.692	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.380%
26) 1,2-Dichloroethane-d4	5.697	65	155581	48.826	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.660%
32) Benzene-d6	5.726	84	421705	47.354	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.700%
36) 1,2-Dichloropropane-d6	6.687	67	165321	49.873	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.740%
41) Toluene-d8	7.896	98	303842	41.568	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.140%
43) trans-1,3-Dichloroprop...	8.179	79	55196	41.805	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.600%
47) 2-Hexanone-d5	8.629	63	158186	93.897	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.900%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	306555	47.517	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.040%
66) 1,2-Dichlorobenzene-d4	12.189	152	150585	55.535	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.080%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	1388	0.388	ug/L #	1
8) Chloroethane	1.604	64	8888	3.822	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	974	0.361	ug/L #	20
12) 1,1-Dichloroethene	2.578	96	8658	3.435	ug/L #	1
14) Carbon disulfide	2.793	76	7036	1.008	ug/L	99
19) 1,1-Dichloroethane	3.874	63	6604	1.194	ug/L	93
20) cis-1,2-Dichloroethene	4.665	96	113363	35.758	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	5324	1.233	ug/L	97
34) Trichloroethene	6.539	95	79819	27.424	ug/L	98
46) Tetrachloroethene	8.552	164	177138	76.206	ug/L	96

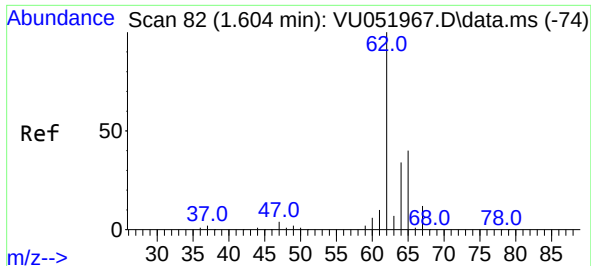
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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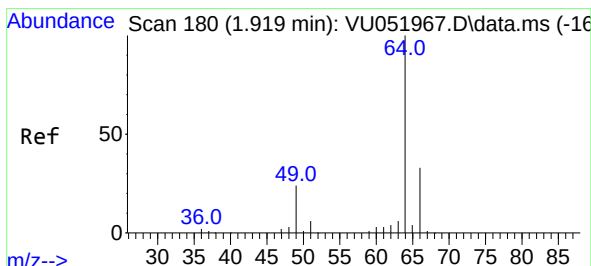
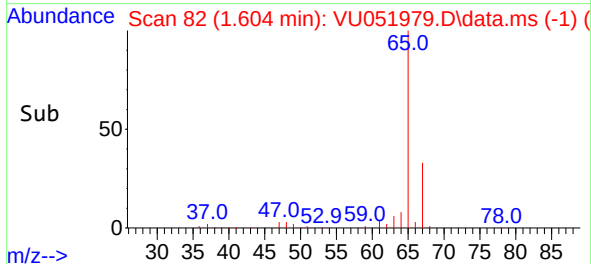
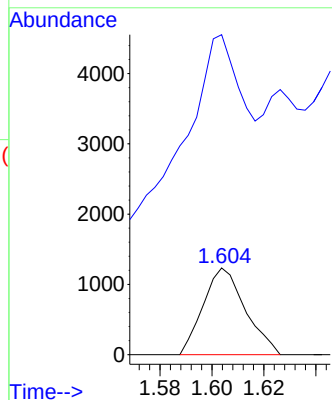
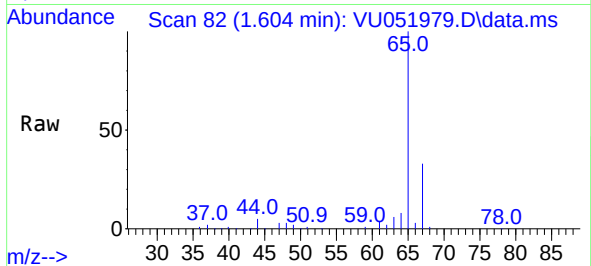




#5
 Vinyl chloride
 Concen: 0.388 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU051979.D
 Acq: 20 Nov 2022 17:22

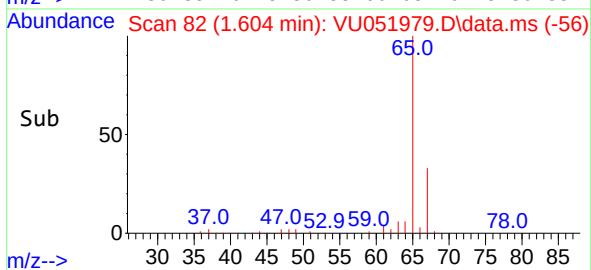
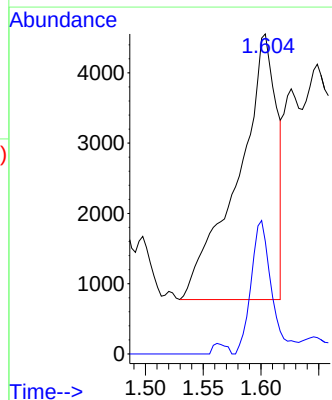
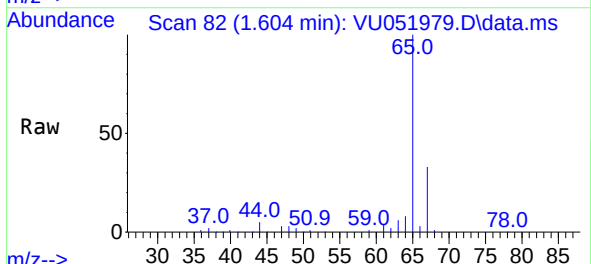
Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY2

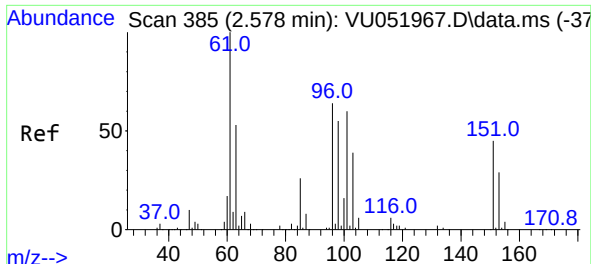
Tgt Ion: 62 Resp: 1388
 Ion Ratio Lower Upper
 62 100
 64 368.7 24.3 45.1#



#8
 Chloroethane
 Concen: 3.822 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.315 min
 Lab File: VU051979.D
 Acq: 20 Nov 2022 17:22

Tgt Ion: 64 Resp: 8888
 Ion Ratio Lower Upper
 64 100
 66 35.2 22.4 41.6

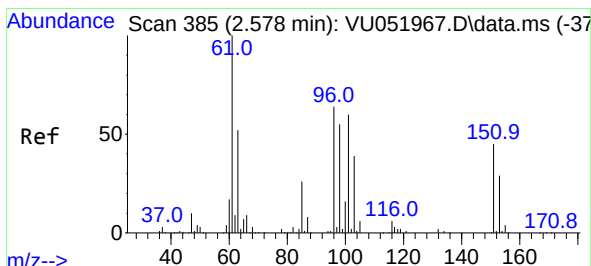
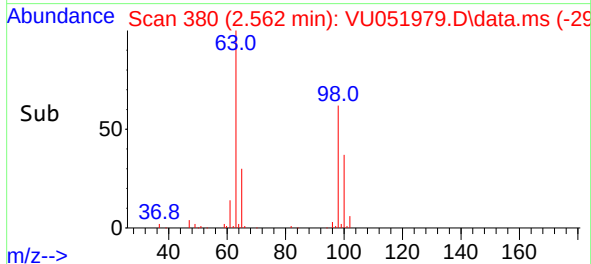
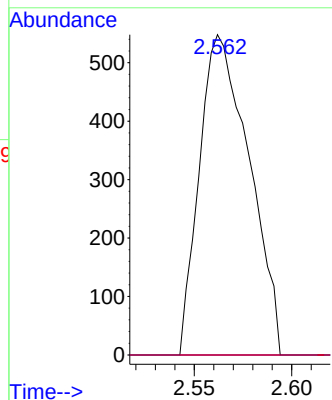
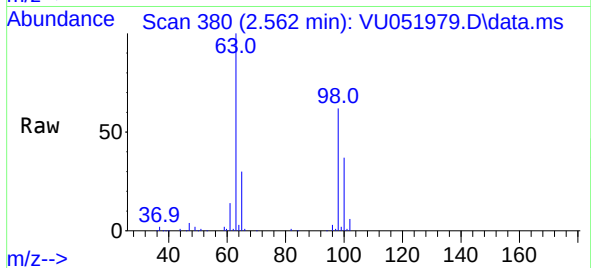




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.361 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.013 min
 Lab File: VU051979.D
 Acq: 20 Nov 2022 17:22

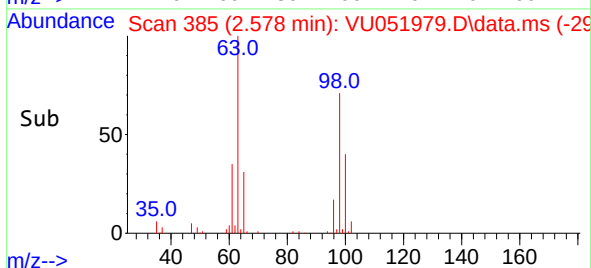
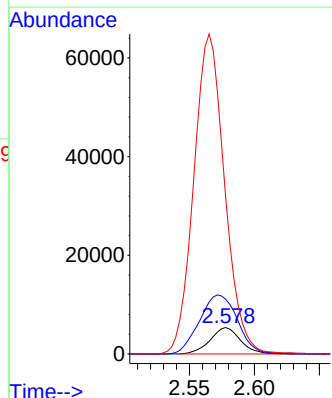
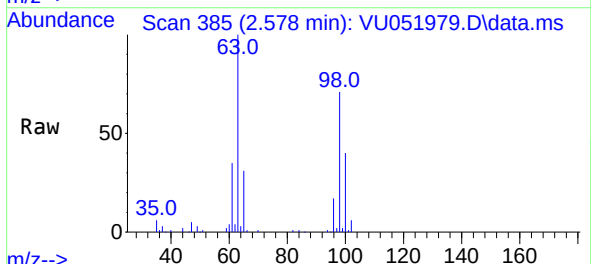
Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY2

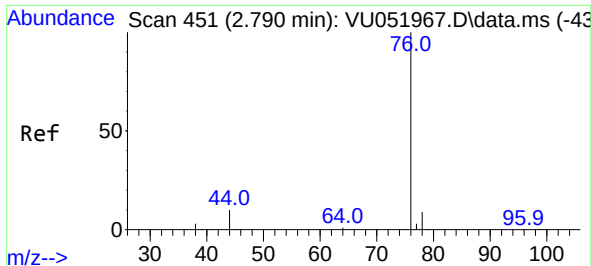
Tgt Ion:101 Resp: 974
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.2 51.2#
 151 0.0 58.3 87.5#



#12
 1,1-Dichloroethene
 Concen: 3.435 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU051979.D
 Acq: 20 Nov 2022 17:22

Tgt Ion: 96 Resp: 8658
 Ion Ratio Lower Upper
 96 100
 61 206.5 110.7 205.5#
 63 587.4 68.6 127.4#

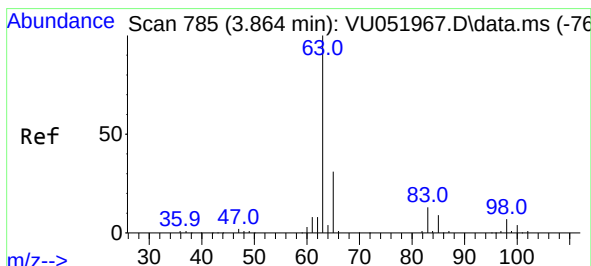
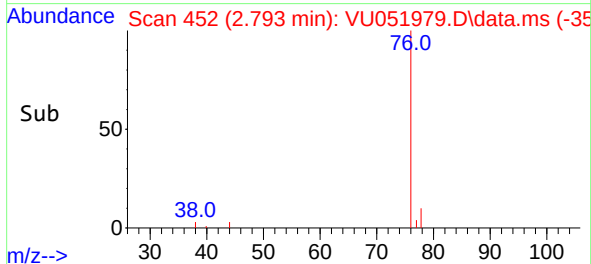
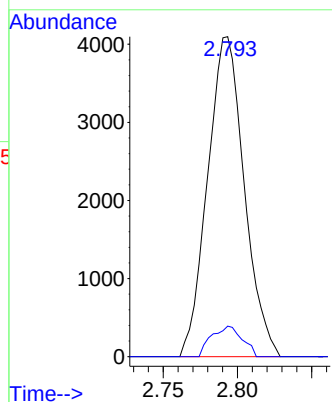
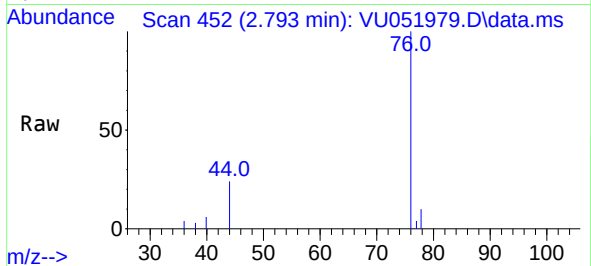




#14
Carbon disulfide
Concen: 1.008 ug/L
RT: 2.793 min Scan# 41
Delta R.T. 0.003 min
Lab File: VU051979.D
Acq: 20 Nov 2022 17:22

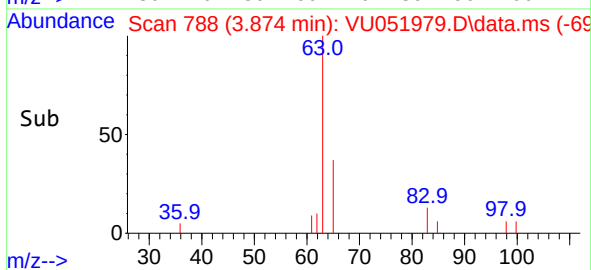
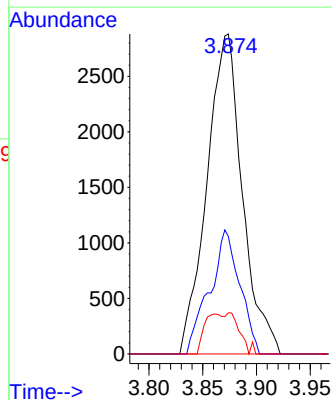
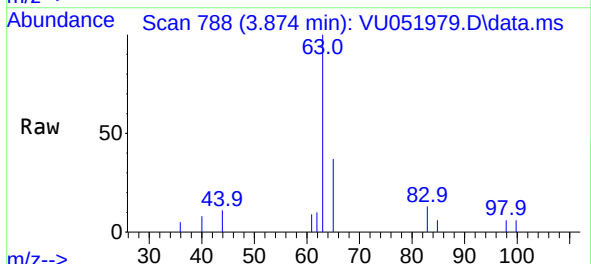
Instrument :
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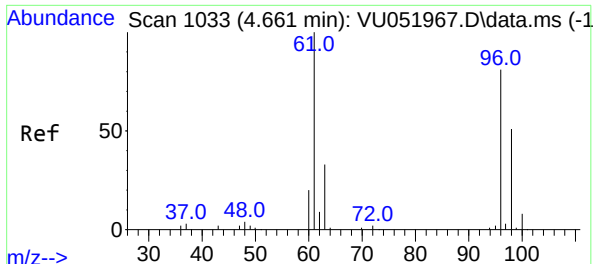
Tgt Ion: 76 Resp: 7036
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#19
1,1-Dichloroethane
Concen: 1.194 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.010 min
Lab File: VU051979.D
Acq: 20 Nov 2022 17:22

Tgt Ion: 63 Resp: 6604
Ion Ratio Lower Upper
63 100
65 36.7 22.2 41.2
83 12.8 9.6 17.8

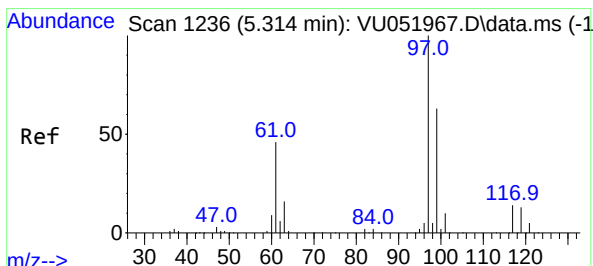
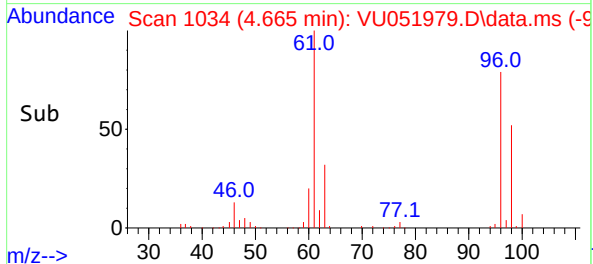
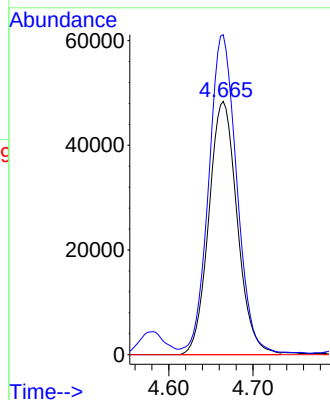
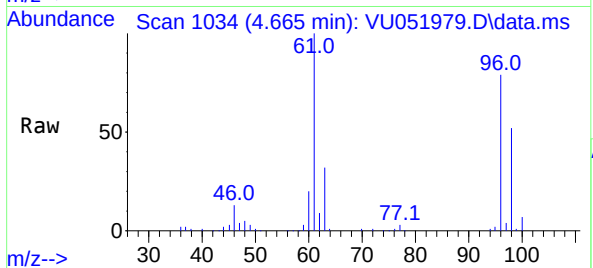




#20
cis-1,2-Dichloroethene
Concen: 35.758 ug/L
RT: 4.665 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU051979.D
Acq: 20 Nov 2022 17:22

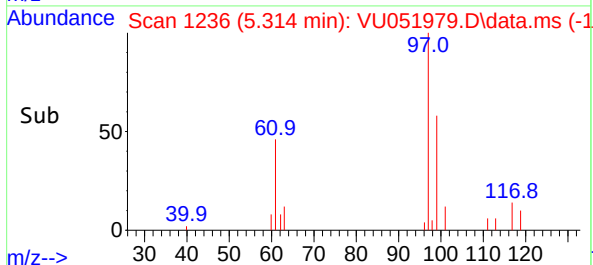
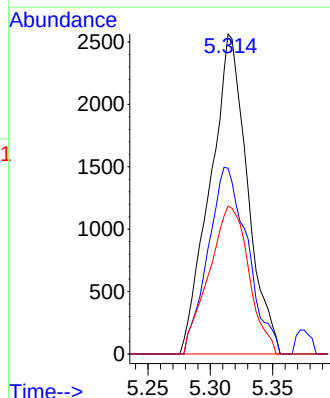
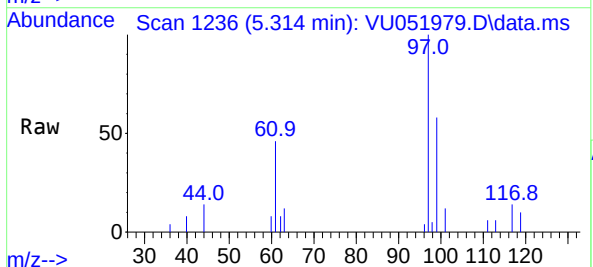
Instrument :
MSVOA_U
ClientSampleId :
C0KY2

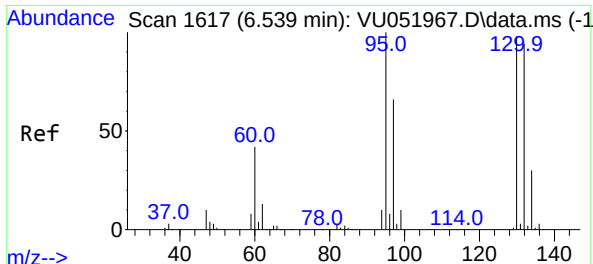
Tgt Ion: 96 Resp: 113363
Ion Ratio Lower Upper
96 100
61 126.4 86.0 159.8
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 1.233 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VU051979.D
Acq: 20 Nov 2022 17:22

Tgt Ion: 97 Resp: 5324
Ion Ratio Lower Upper
97 100
99 61.9 51.2 76.8
61 49.5 37.4 56.2



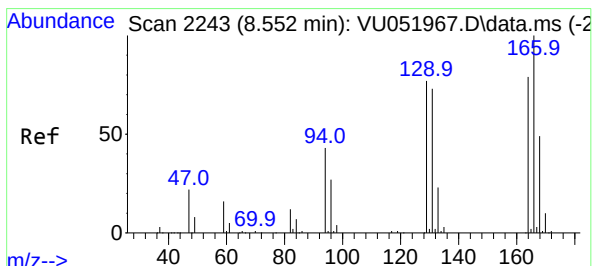
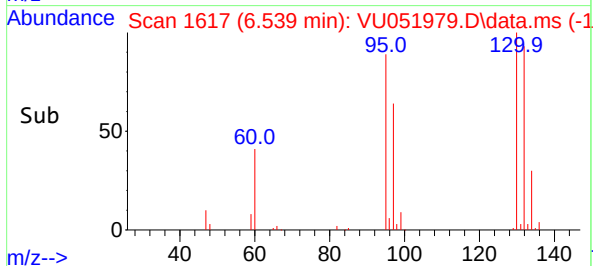
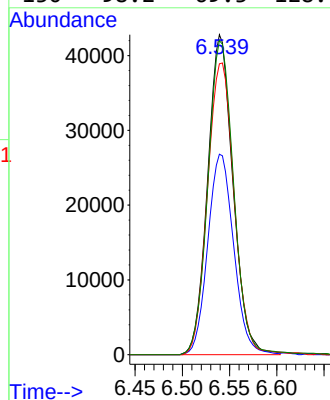
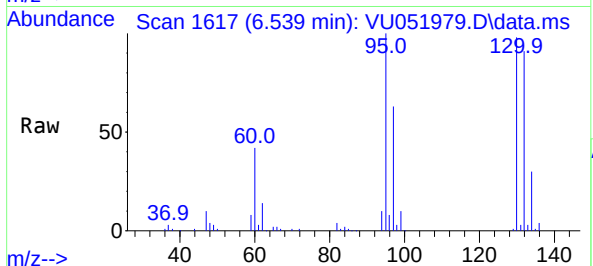


#34
Trichloroethene
Concen: 27.424 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU051979.D
Acq: 20 Nov 2022 17:22

Instrument :
MSVOA_U
ClientSampleId :
COKY2

Tgt Ion: 95 Resp: 79819

Ion	Ratio	Lower	Upper
95	100		
97	62.6	45.8	85.0
132	90.9	65.3	121.3
130	98.2	69.3	128.7



#46
Tetrachloroethene
Concen: 76.206 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051979.D
Acq: 20 Nov 2022 17:22

Tgt Ion: 164 Resp: 177138

Ion	Ratio	Lower	Upper
164	100		
129	95.5	68.5	127.1
131	91.9	66.6	123.8
166	125.1	91.9	170.7

