

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045203.D
 Acq On : 07 Oct 2021 11:43
 Operator : SY/MD
 Sample : M4023-13 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK2

Quant Time: Oct 07 21:36:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 21:34:31 2021
 Response via : Initial Calibration

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

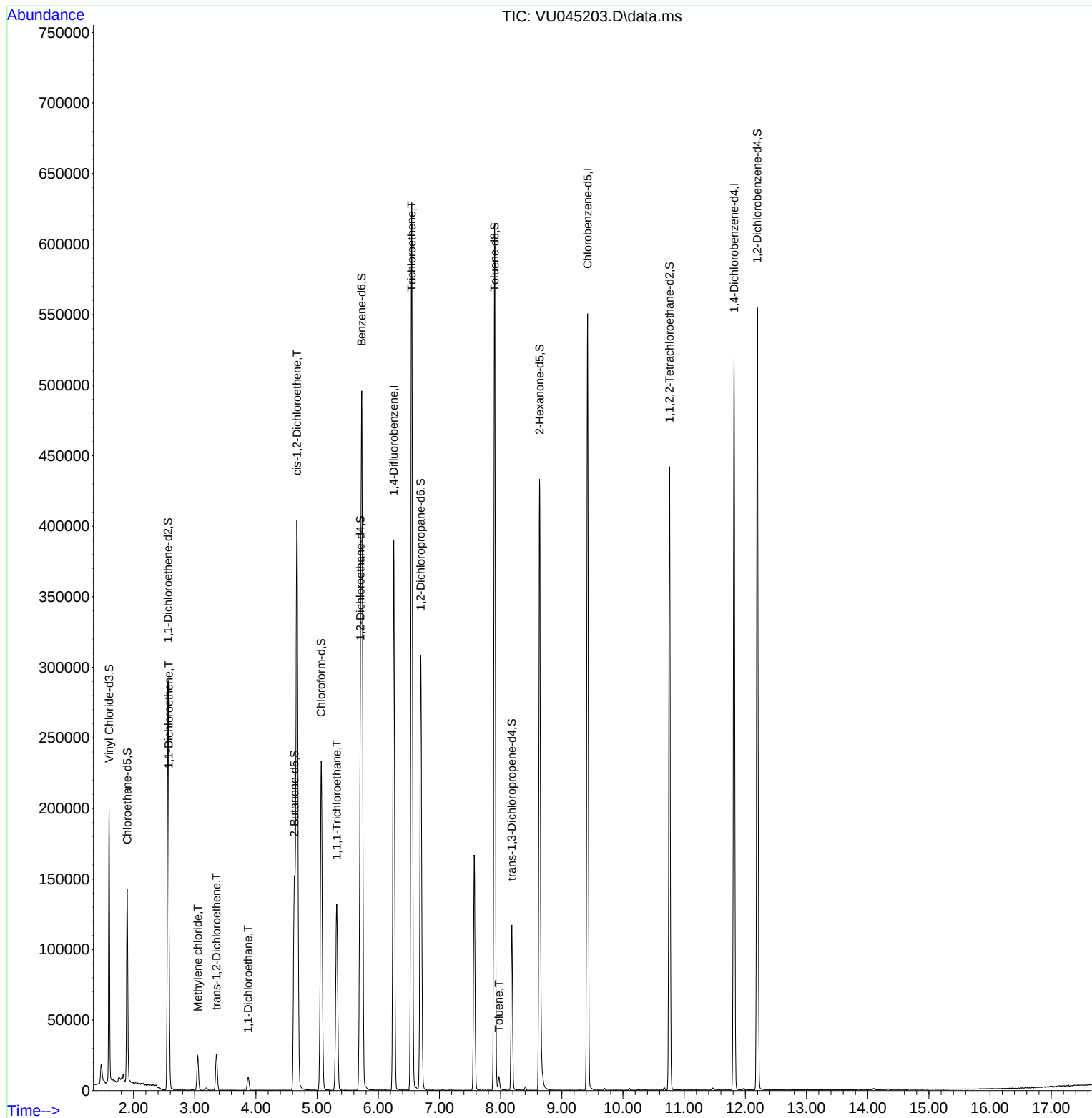
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	303356	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	287448	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	128674	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	124762	37.569	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.140%
7) Chloroethane-d5	1.897	69	104827	39.835	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.660%
11) 1,1-Dichloroethene-d2	2.562	63	170488	30.571	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.140%
21) 2-Butanone-d5	4.626	46	206782	78.763	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.760%
24) Chloroform-d	5.067	84	208799	39.810	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.620%
26) 1,2-Dichloroethane-d4	5.707	65	149941	42.205	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.400%
32) Benzene-d6	5.729	84	437061	43.818	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.640%
36) 1,2-Dichloropropane-d6	6.694	67	140033	43.057	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.120%
41) Toluene-d8	7.903	98	387830	45.056	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.120%
43) trans-1,3-Dichloroprop...	8.182	79	60130	41.563	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.120%
47) 2-Hexanone-d5	8.636	63	151055	83.811	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.810%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	216759	42.800	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	136579	48.773	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.540%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.575	96	13023	5.544	ug/L	# 1
16) Methylene chloride	3.048	84	11610	3.901	ug/L	92
17) trans-1,2-Dichloroethene	3.356	96	10772	4.353	ug/L	92
19) 1,1-Dichloroethane	3.871	63	11204	2.176	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	202530	74.272	ug/L	93
30) 1,1,1-Trichloroethane	5.321	97	94723	23.805	ug/L	98
34) Trichloroethene	6.546	95	209096	81.654	ug/L	98
42) Toluene	7.973	91	6558	0.605	ug/L	95

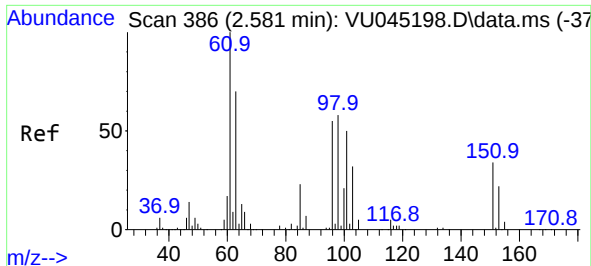
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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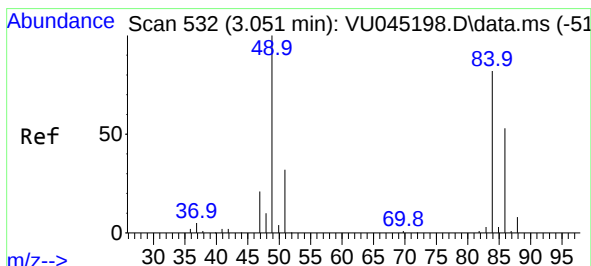
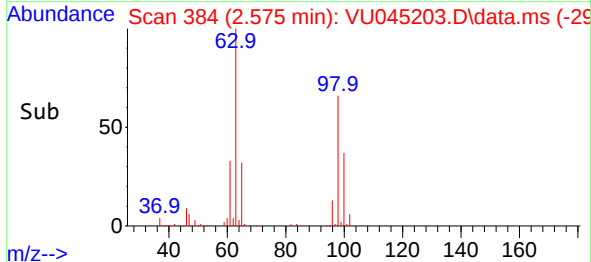
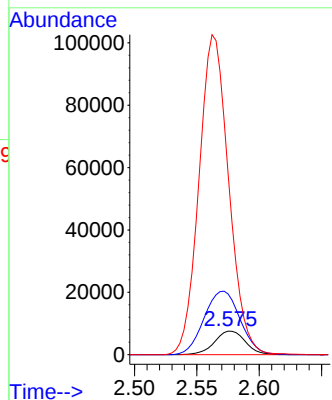
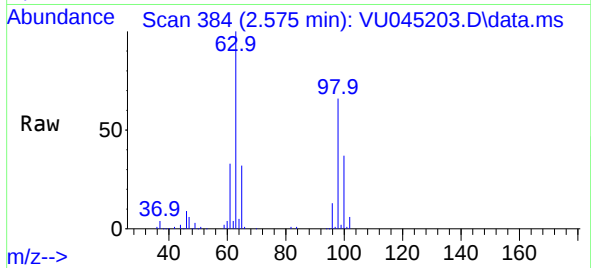




#12
1,1-Dichloroethene
Concen: 5.544 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.006 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

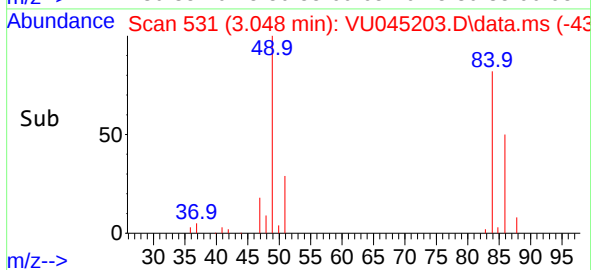
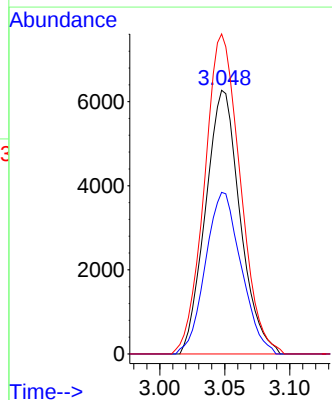
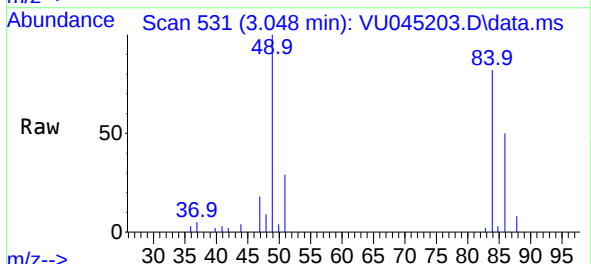
Instrument :
MSVOA_U
ClientSampled :
C0AK2

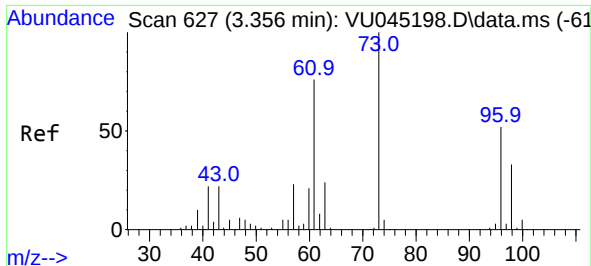
Tgt Ion: 96 Resp: 13023
Ion Ratio Lower Upper
96 100
61 258.7 131.3 243.9#
63 773.4 102.5 190.3#



#16
Methylene chloride
Concen: 3.901 ug/L
RT: 3.048 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

Tgt Ion: 84 Resp: 11610
Ion Ratio Lower Upper
84 100
86 61.3 44.7 83.1
49 121.4 92.9 172.5

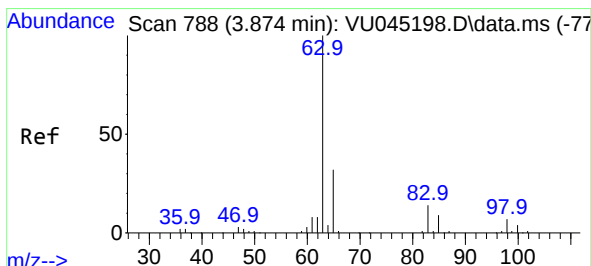
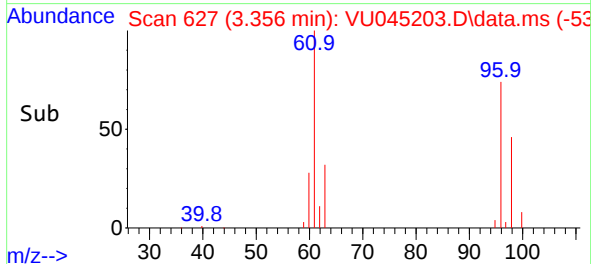
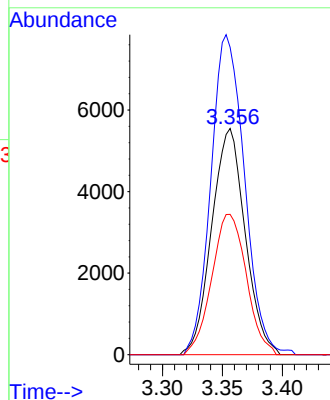
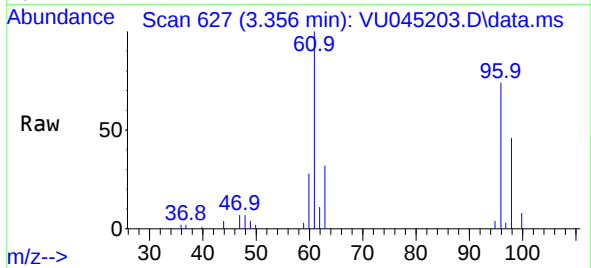




#17
trans-1,2-Dichloroethene
Concen: 4.353 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

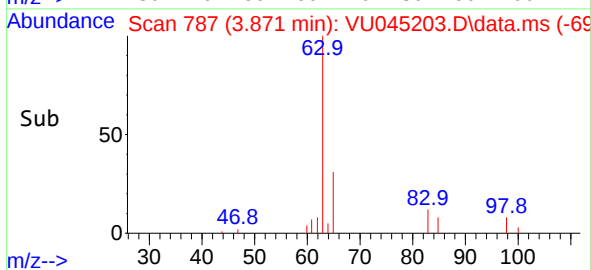
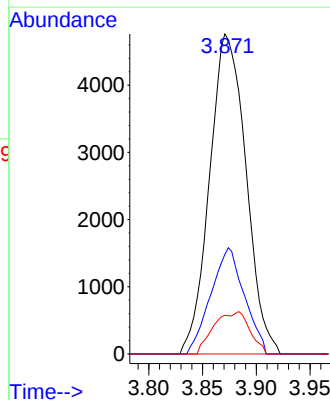
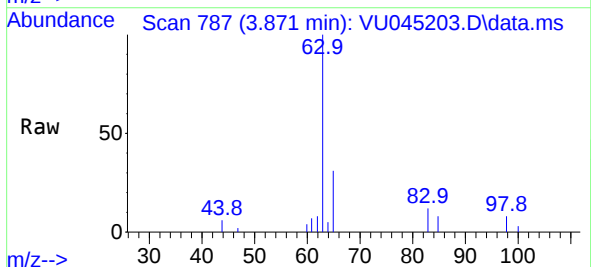
Instrument :
MSVOA_U
ClientSampleId :
C0AK2

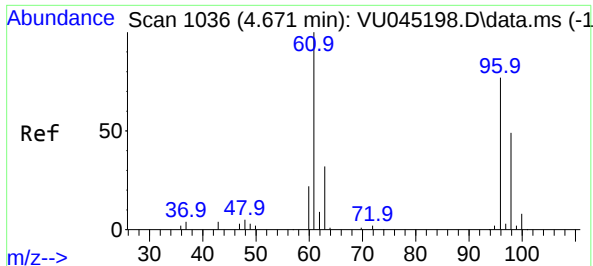
Tgt Ion: 96 Resp: 10772
Ion Ratio Lower Upper
96 100
61 135.9 105.1 195.3
98 62.1 43.0 79.8



#19
1,1-Dichloroethane
Concen: 2.176 ug/L
RT: 3.871 min Scan# 787
Delta R.T. -0.003 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

Tgt Ion: 63 Resp: 11204
Ion Ratio Lower Upper
63 100
65 31.1 22.0 40.8
83 12.1 9.0 16.6





#20

cis-1,2-Dichloroethene

Concen: 74.272 ug/L

RT: 4.671 min Scan# 1036

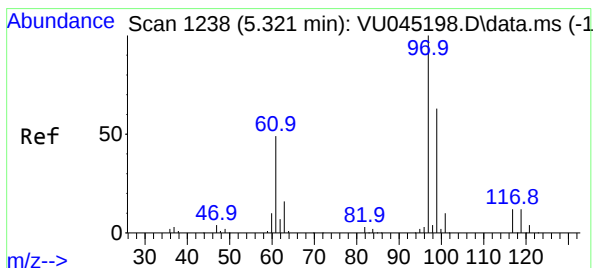
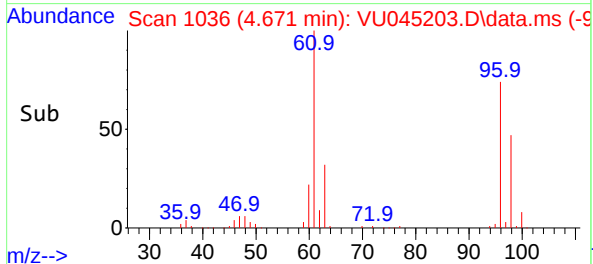
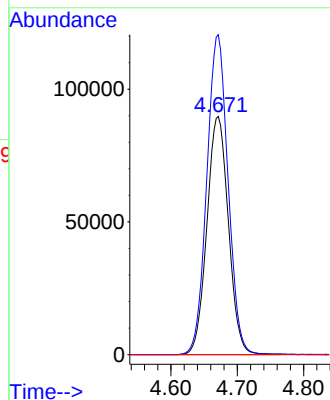
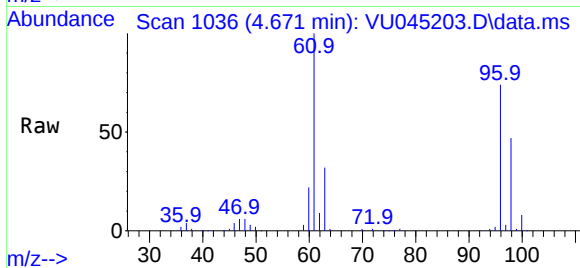
Delta R.T. 0.000 min

Lab File: VU045203.D

Acq: 07 Oct 2021 11:43

Tgt Ion: 96 Resp: 202530

Ion	Ratio	Lower	Upper
96	100		
61	134.3	100.2	186.0
68	0.0	0.0	0.0



#30

1,1,1-Trichloroethane

Concen: 23.805 ug/L

RT: 5.321 min Scan# 1238

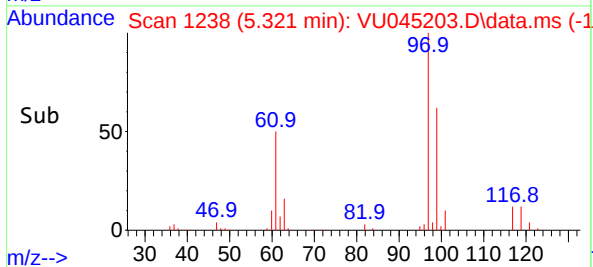
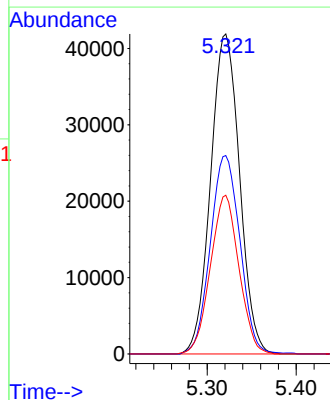
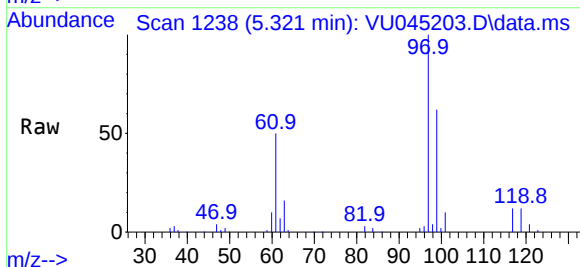
Delta R.T. 0.000 min

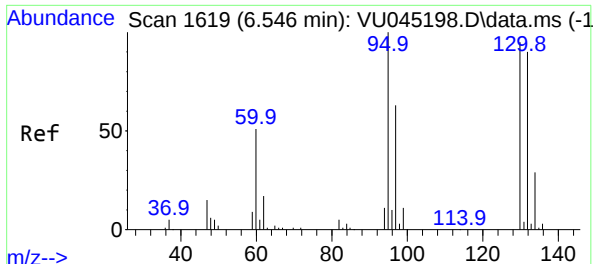
Lab File: VU045203.D

Acq: 07 Oct 2021 11:43

Tgt Ion: 97 Resp: 94723

Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.6	75.8
61	48.9	41.3	61.9





#34

Trichloroethene

Concen: 81.654 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU045203.D

Acq: 07 Oct 2021 11:43

Instrument :
MSVOA_U
ClientSampled :
C0AK2

Tgt Ion: 95 Resp: 209096

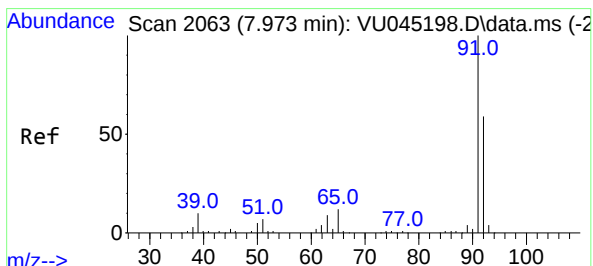
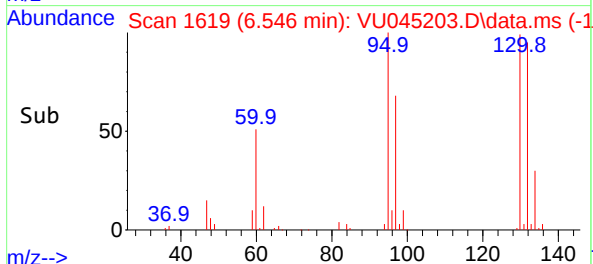
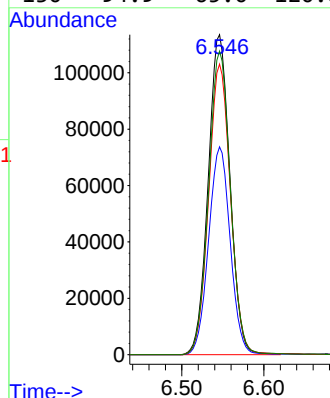
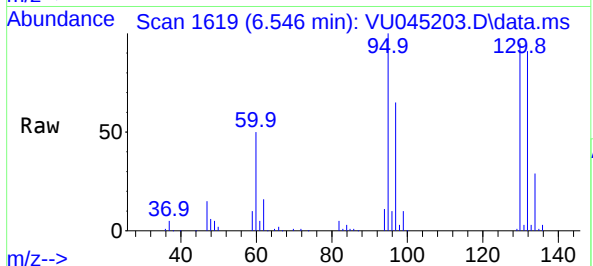
Ion Ratio Lower Upper

95 100

97 64.9 44.4 82.4

132 90.8 62.9 116.9

130 94.9 65.0 120.8



#42

Toluene

Concen: 0.605 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU045203.D

Acq: 07 Oct 2021 11:43

Tgt Ion: 91 Resp: 6558

Ion Ratio Lower Upper

91 100

92 54.4 40.5 75.1

