

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045116.D
 Acq On : 04 Oct 2021 23:44
 Operator : SY/MD
 Sample : M4023-13 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK2

Quant Time: Oct 05 07:02:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

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

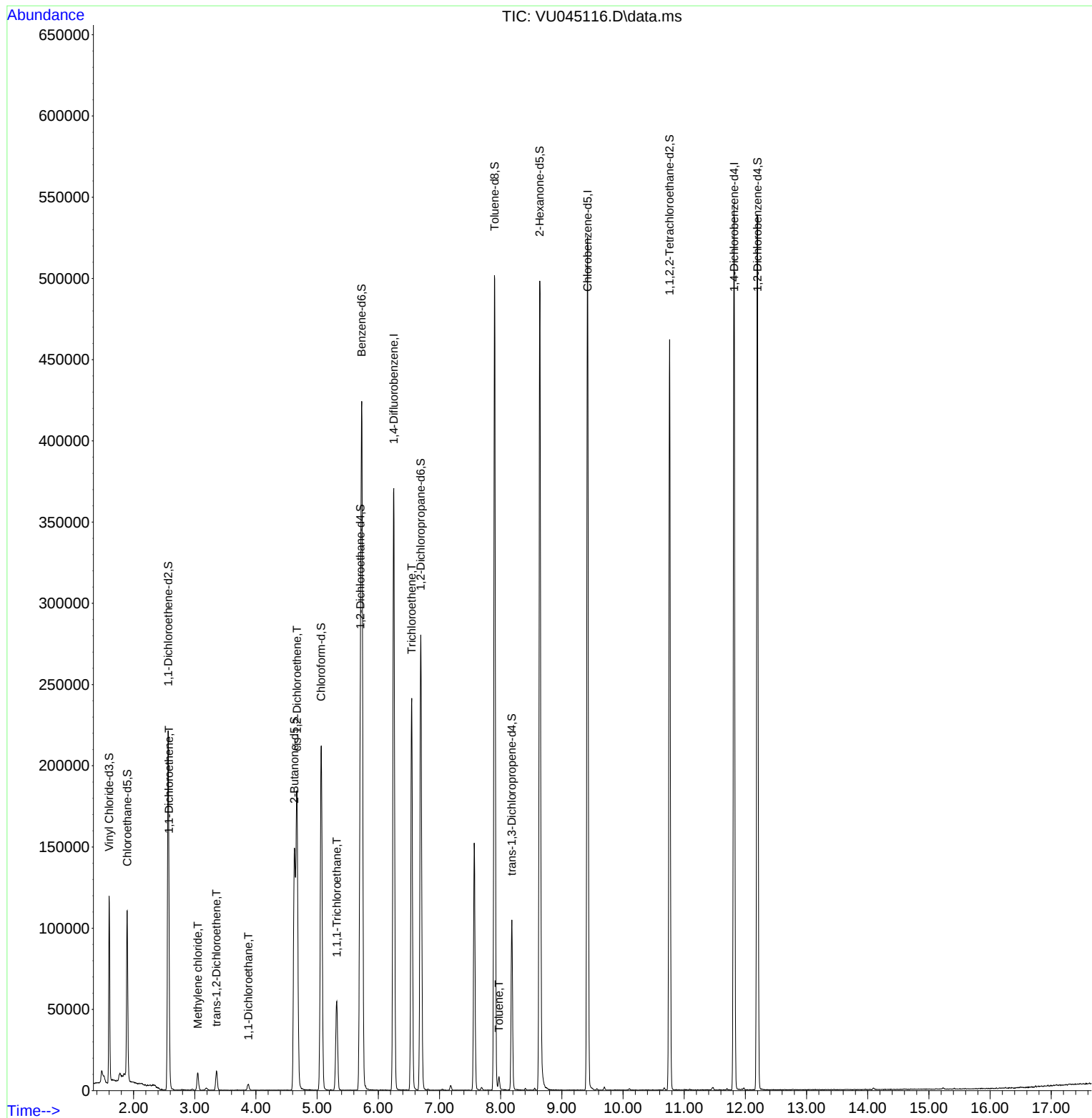
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	291966	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	273309	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	133443	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	81250	25.42	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	50.84%#		
7) Chloroethane-d5	1.896	69	81588	32.21	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	64.42%#		
11) 1,1-Dichloroethene-d2	2.565	63	130405	24.30	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	48.60%#		
21) 2-Butanone-d5	4.629	46	226264	89.55	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.55%		
24) Chloroform-d	5.067	84	191367	37.91	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	75.82%		
26) 1,2-Dichloroethane-d4	5.707	65	136888	40.03	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.06%		
32) Benzene-d6	5.729	84	376143	39.66	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.32%		
36) 1,2-Dichloropropane-d6	6.694	67	126378	40.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.74%		
41) Toluene-d8	7.899	98	319630	39.05	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.10%#		
43) trans-1,3-Dichloroprop...	8.182	79	55648	40.45	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.90%		
47) 2-Hexanone-d5	8.639	63	180478	105.32	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.32%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	226041	46.94	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.88%		
66) 1,2-Dichlorobenzene-d4	12.198	152	132422	45.60	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.20%		
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.578	96	5579	2.47	ug/L #	1
16) Methylene chloride	3.047	84	5273	1.84	ug/L	82
17) trans-1,2-Dichloroethene	3.356	96	4834	2.03	ug/L	96
19) 1,1-Dichloroethane	3.877	63	4648	0.94	ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	83349	31.76	ug/L	88
30) 1,1,1-Trichloroethane	5.321	97	38867	10.27	ug/L	99
34) Trichloroethene	6.546	95	80044	32.88	ug/L	96
42) Toluene	7.973	91	5511	0.54	ug/L	100

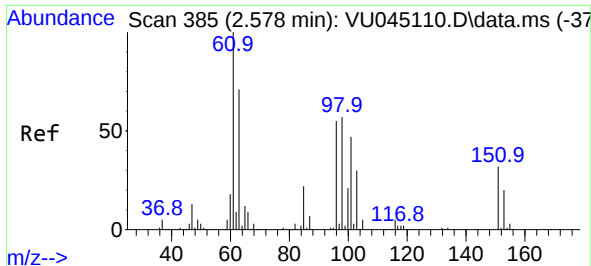
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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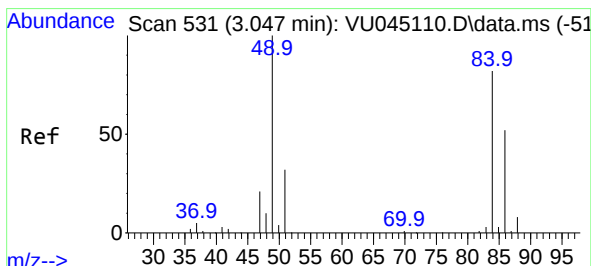
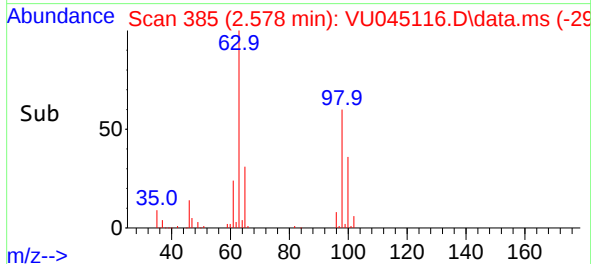
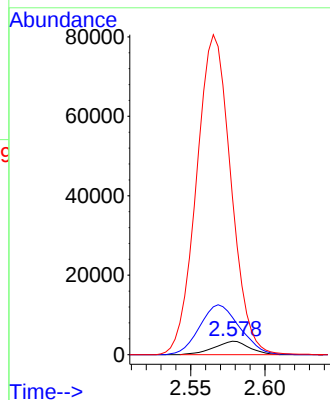
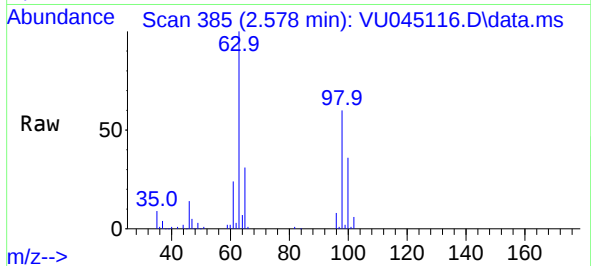




#12
1,1-Dichloroethene
Concen: 2.47 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.006 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

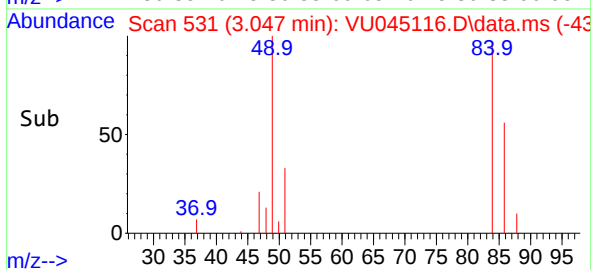
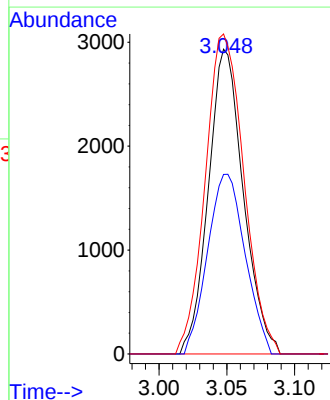
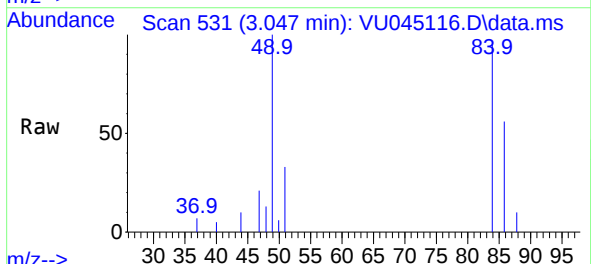
Instrument :
MSVOA_U
ClientSampleId :
C0AK2

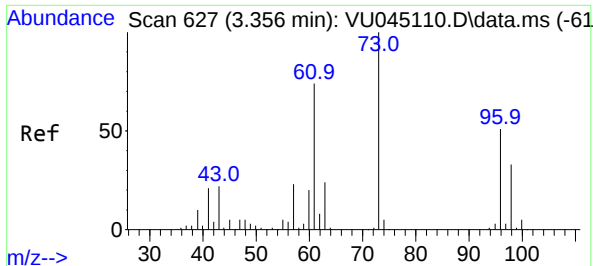
Tgt Ion: 96 Resp: 5579
Ion Ratio Lower Upper
96 100
61 279.0 131.3 243.9#
63 1179.7 102.5 190.3#



#16
Methylene chloride
Concen: 1.84 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

Tgt Ion: 84 Resp: 5273
Ion Ratio Lower Upper
84 100
86 58.9 44.7 83.1
49 105.0 92.9 172.5

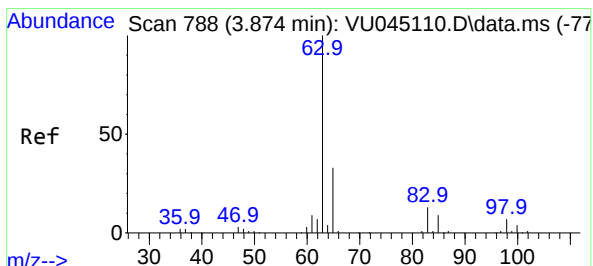
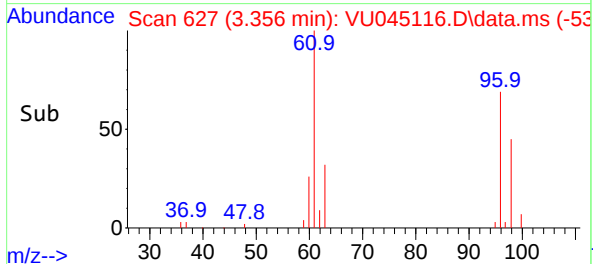
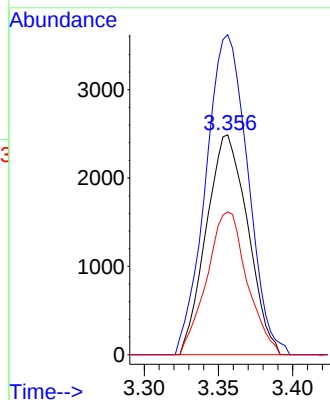
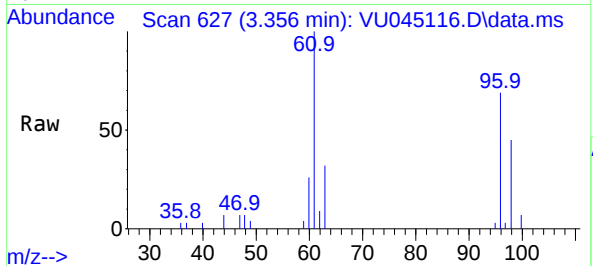




#17
trans-1,2-Dichloroethene
Concen: 2.03 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

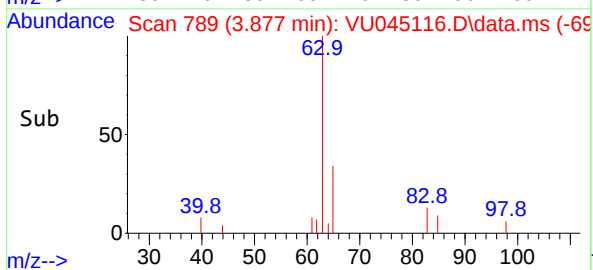
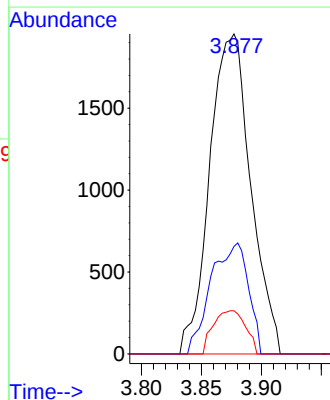
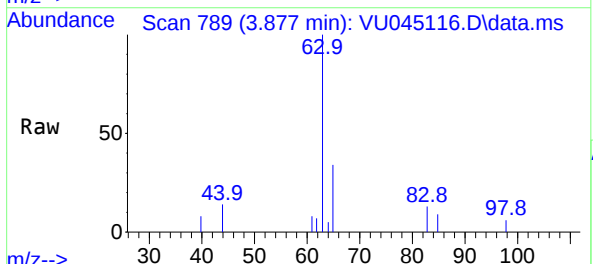
Instrument :
MSVOA_U
ClientSampleId :
C0AK2

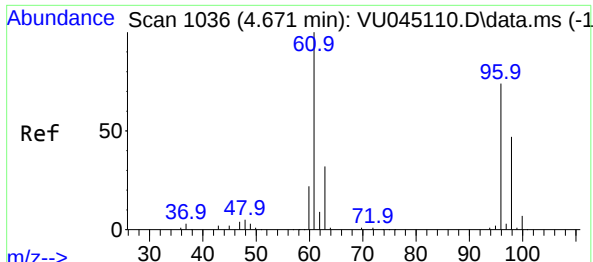
Tgt Ion: 96 Resp: 4834
Ion Ratio Lower Upper
96 100
61 145.5 105.1 195.3
98 64.9 43.0 79.8



#19
1,1-Dichloroethane
Concen: 0.94 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

Tgt Ion: 63 Resp: 4648
Ion Ratio Lower Upper
63 100
65 33.6 22.0 40.8
83 13.5 9.0 16.6

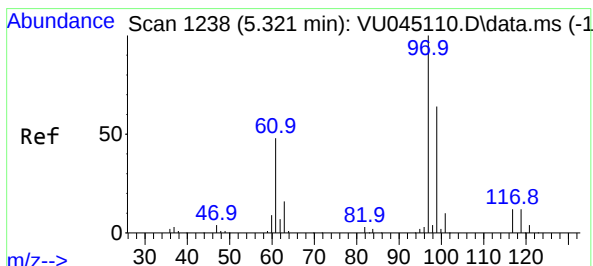
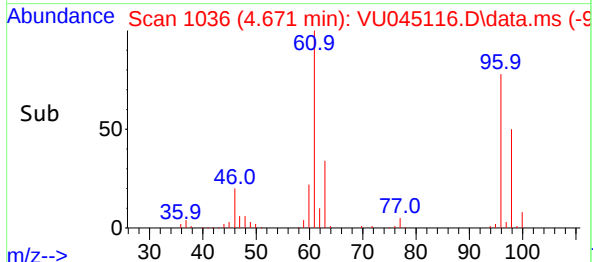
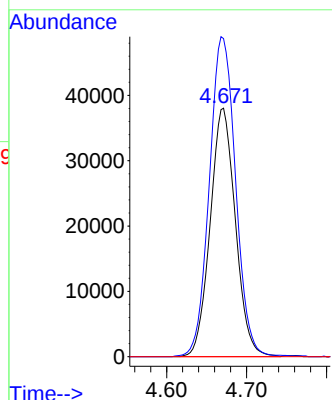
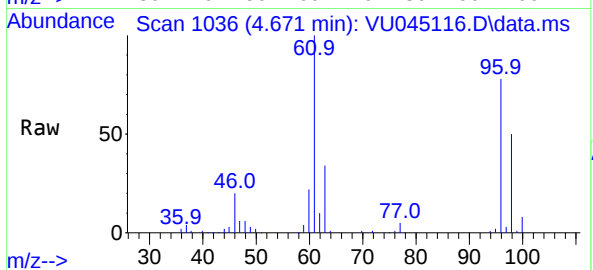




#20
cis-1,2-Dichloroethene
Concen: 31.76 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

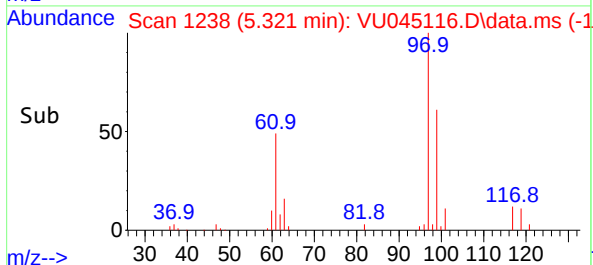
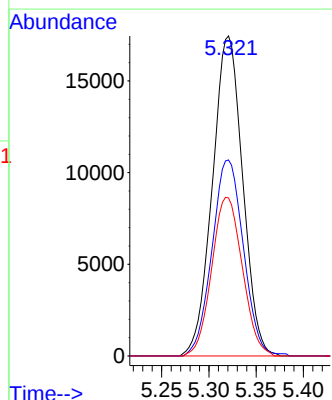
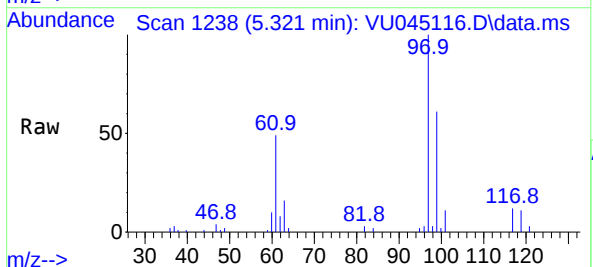
Instrument :
MSVOA_U
ClientSampled :
C0AK2

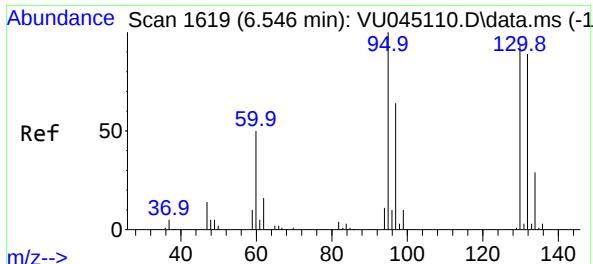
Tgt Ion: 96 Resp: 83349
Ion Ratio Lower Upper
96 100
61 128.0 100.2 186.0
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 10.27 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

Tgt Ion: 97 Resp: 38867
Ion Ratio Lower Upper
97 100
99 63.4 50.6 75.8
61 50.2 41.3 61.9

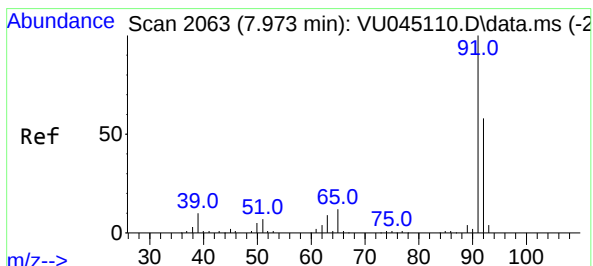
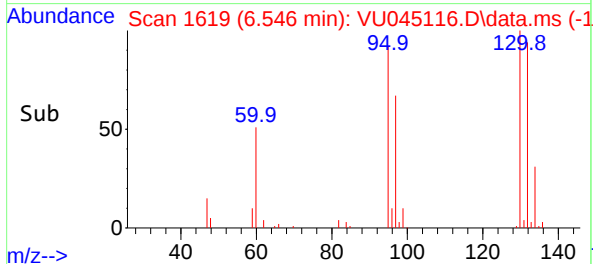
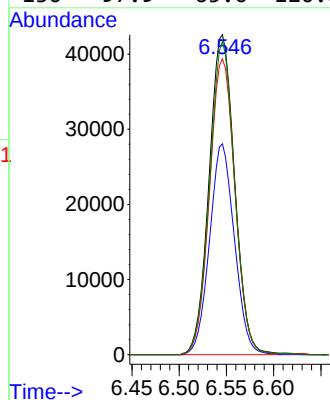
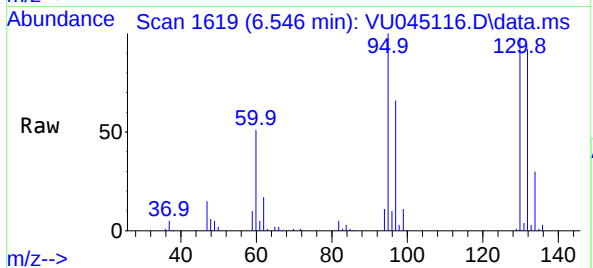




#34
Trichloroethene
Concen: 32.88 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

Instrument :
MSVOA_U
ClientSampleId :
C0AK2

Tgt Ion: 95 Resp: 80044
Ion Ratio Lower Upper
95 100
97 65.9 44.4 82.4
132 92.5 62.9 116.9
130 97.9 65.0 120.8



#42
Toluene
Concen: 0.54 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

Tgt Ion: 91 Resp: 5511
Ion Ratio Lower Upper
91 100
92 57.8 40.5 75.1

