

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)

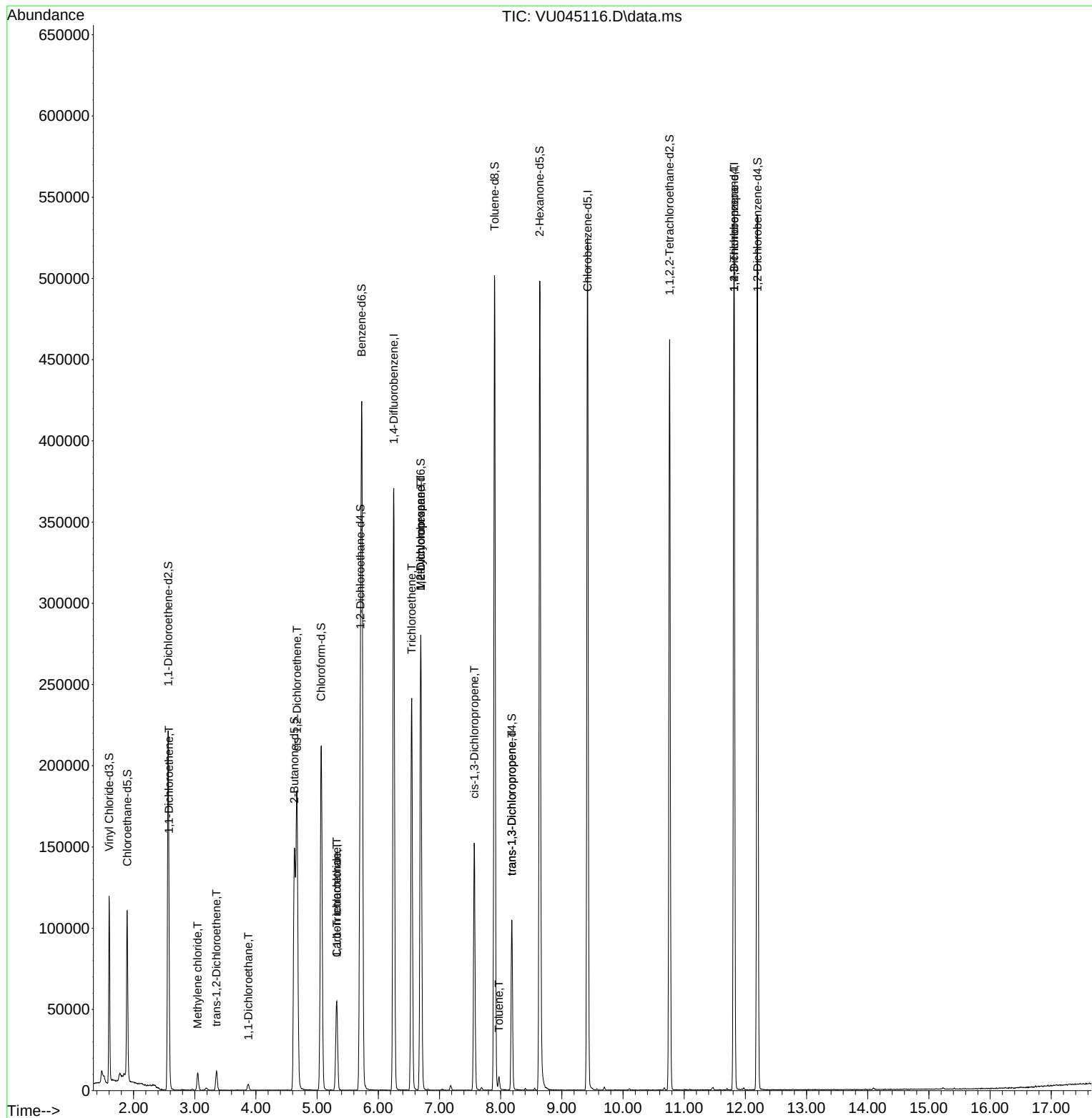
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	291966	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	273309	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	133443	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	81250	25.421	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	50.840%#		
7) Chloroethane-d5	1.896	69	81588	32.213	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	64.420%#		
11) 1,1-Dichloroethene-d2	2.565	63	130405	24.295	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	48.600%#		
21) 2-Butanone-d5	4.629	46	226264	89.545	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.550%		
24) Chloroform-d	5.067	84	191367	37.909	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	75.820%		
26) 1,2-Dichloroethane-d4	5.707	65	136888	40.034	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.060%		
32) Benzene-d6	5.729	84	376143	39.662	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.320%		
36) 1,2-Dichloropropane-d6	6.694	67	126378	40.868	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.740%		
41) Toluene-d8	7.899	98	319630	39.054	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.100%#		
43) trans-1,3-Dichloroprop...	8.182	79	55648	40.455	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.900%		
47) 2-Hexanone-d5	8.639	63	180478	105.316	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.320%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	226041	46.942	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.880%		
66) 1,2-Dichlorobenzene-d4	12.198	152	132422	45.598	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.200%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	5579	2.468	ug/L #	1
16) Methylene chloride	3.047	84	5273	1.841	ug/L	82
17) trans-1,2-Dichloroethene	3.356	96	4834	2.030	ug/L	96
19) 1,1-Dichloroethane	3.877	63	4648	0.938	ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	83349	31.758	ug/L	88
30) 1,1,1-Trichloroethane	5.321	97	38867	10.273	ug/L	99
31) Carbon tetrachloride	5.321	117	4736	1.585	ug/L	96
34) Trichloroethene	6.546	95	80044	32.875	ug/L	96
35) Methylcyclohexane	6.694	83	30220	7.414	ug/L #	16
37) 1,2-Dichloropropane	6.694	63	14426	5.227	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	3736	0.946	ug/L #	75
42) Toluene	7.973	91	5511	0.535	ug/L	100
44) trans-1,3-Dichloropropene	8.182	75	2574	0.685	ug/L #	76
60) 1,2,3-Trichloropropane	11.816	75	17886	4.846	ug/L #	69

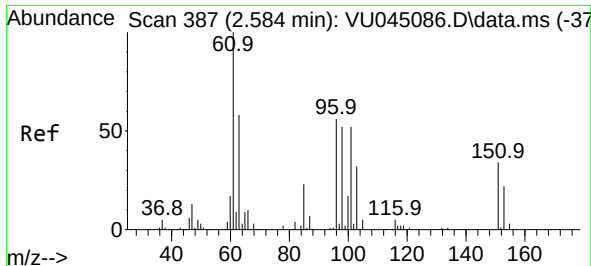
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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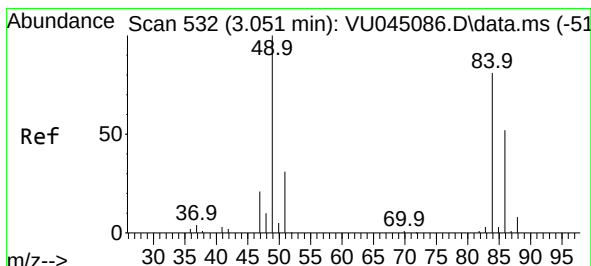
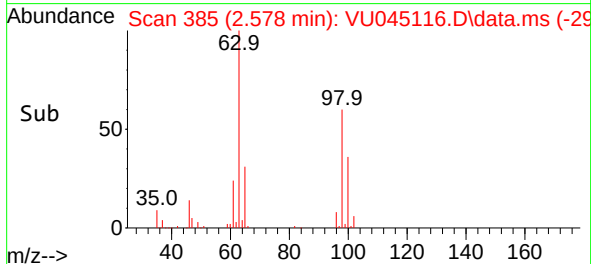
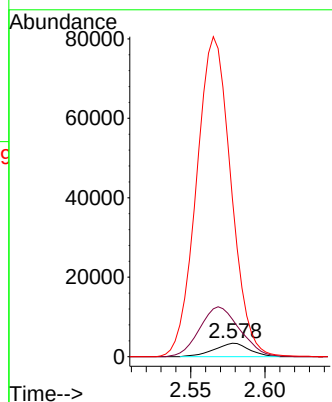
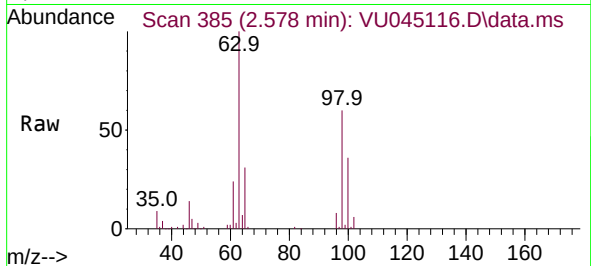




#12
1,1-Dichloroethene
Concen: 2.468 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.006 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

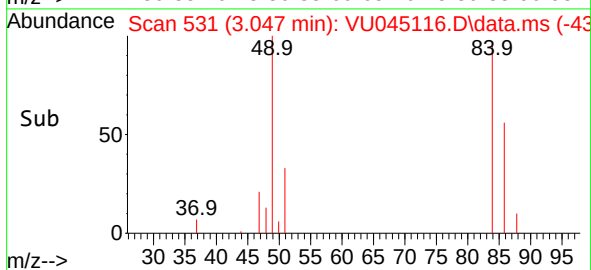
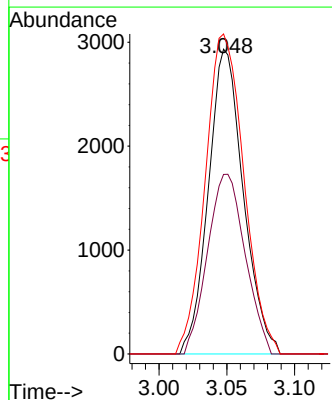
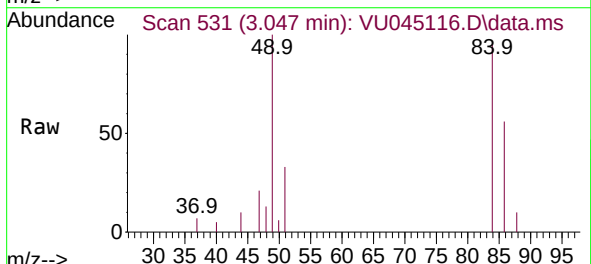
Instrument :
MSVOA_U
ClientSampleId :
C0AK2

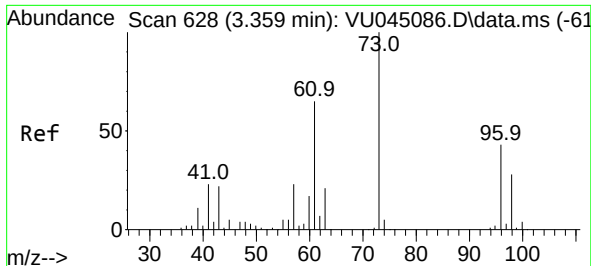
Tgt Ion: 96 Resp: 5579
Ion Ratio Lower Upper
96 100
61 279.0 131.3 243.9#
63 1179.7 102.5 190.3#



#16
Methylene chloride
Concen: 1.841 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

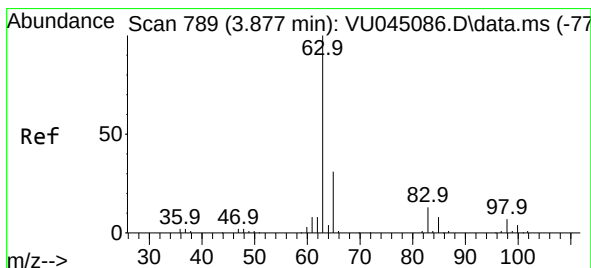
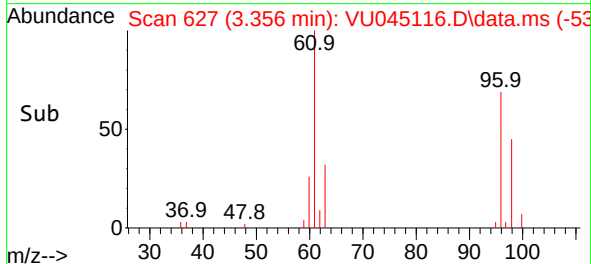
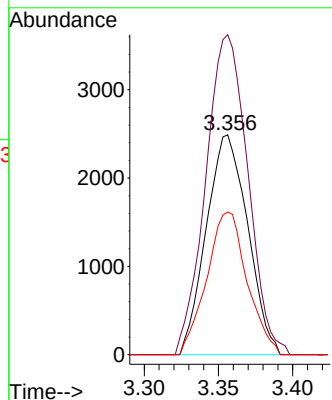
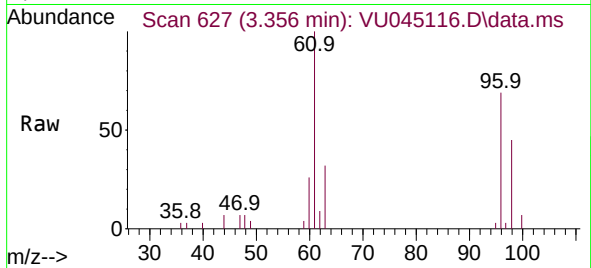




#17
trans-1,2-Dichloroethene
Concen: 2.030 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

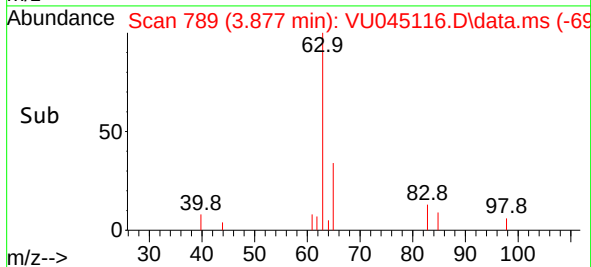
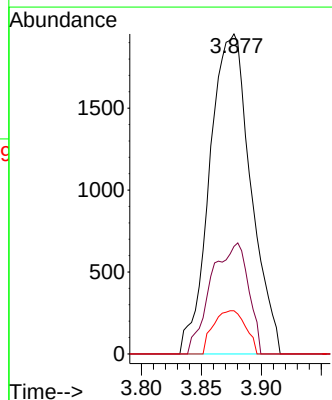
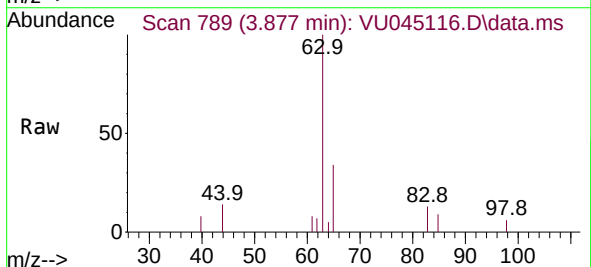
Instrument :
MSVOA_U
ClientSampleId :
C0AK2

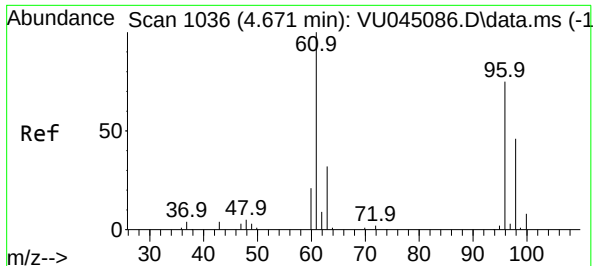
Tgt Ion: 96 Resp: 4834
Ion Ratio Lower Upper
96 100
61 145.5 105.1 195.3
98 64.9 43.0 79.8



#19
1,1-Dichloroethane
Concen: 0.938 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

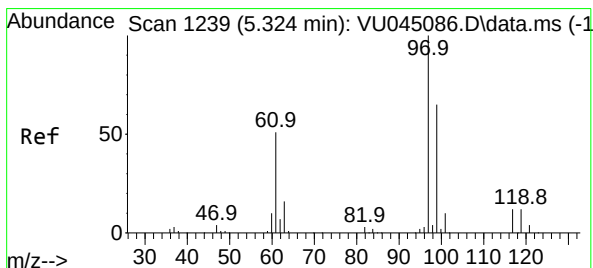
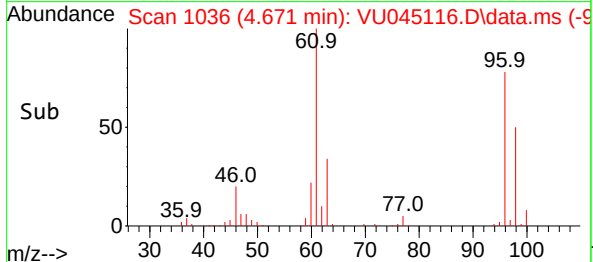
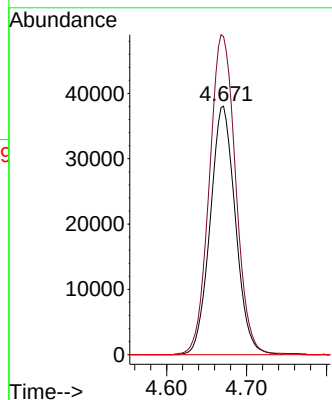
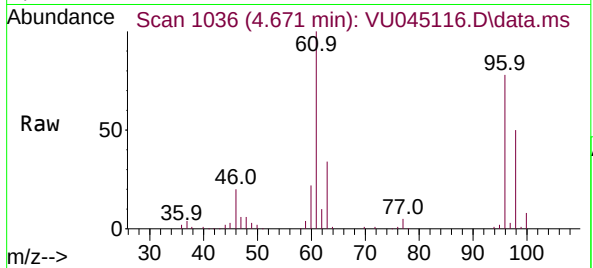




#20
cis-1,2-Dichloroethene
Concen: 31.758 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

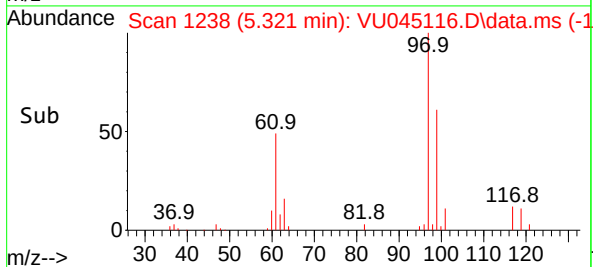
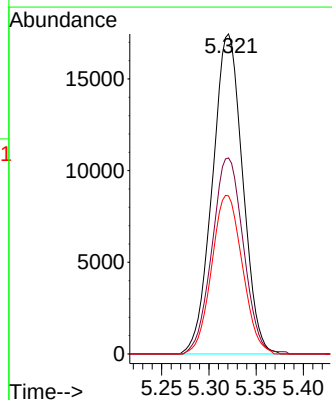
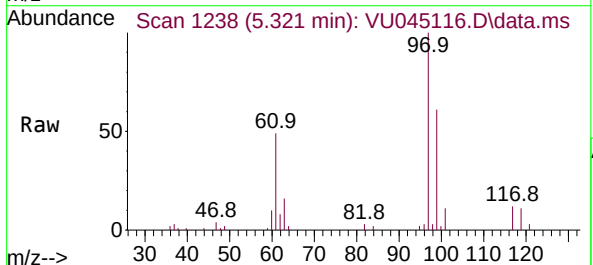
Instrument :
MSVOA_U
ClientSampled :
C0AK2

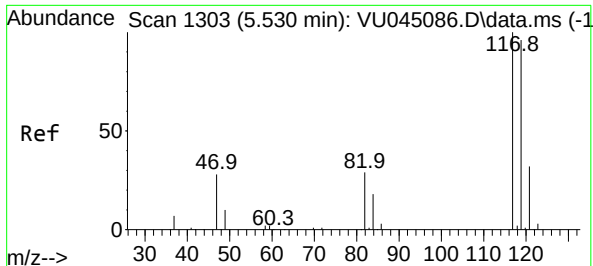
Tgt Ion: 96 Resp: 83349
Ion Ratio Lower Upper
96 100
61 128.0 100.2 186.0
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 10.273 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

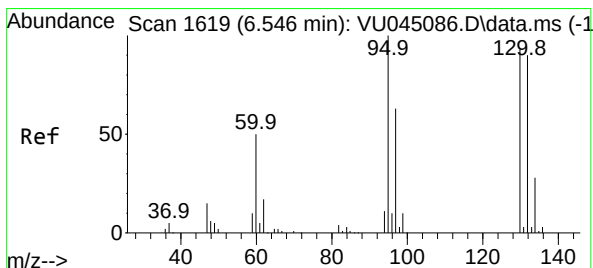
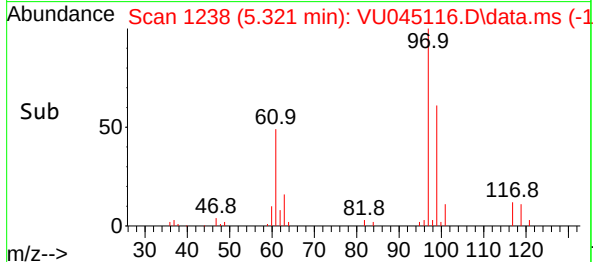
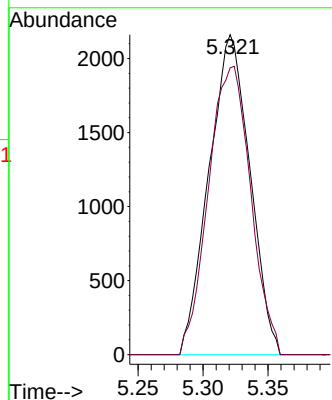
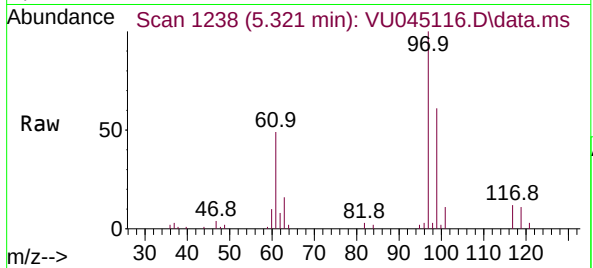




#31
Carbon tetrachloride
Concen: 1.585 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

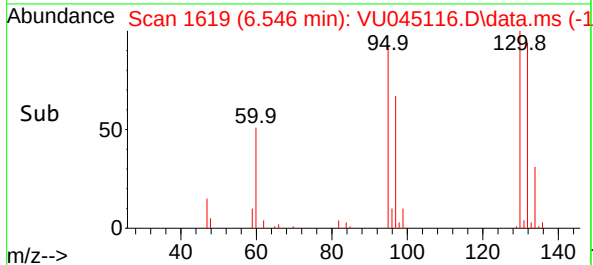
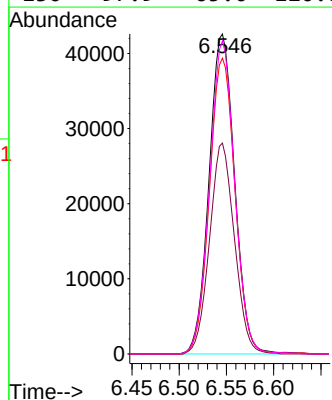
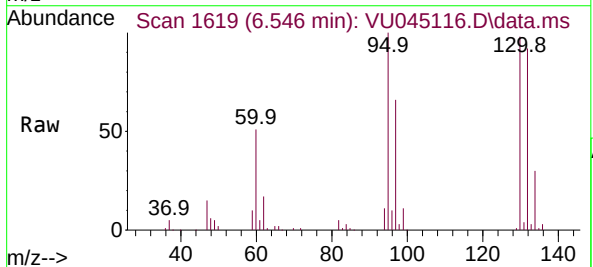
Instrument :
MSVOA_U
ClientSampleId :
C0AK2

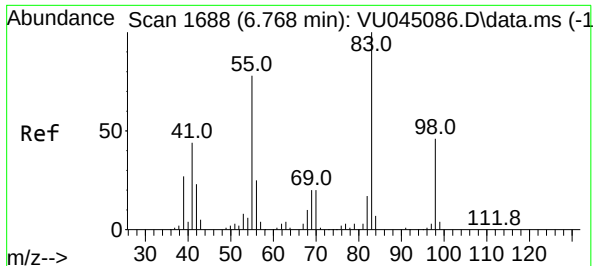
Tgt Ion:117 Resp: 4736
Ion Ratio Lower Upper
117 100
119 93.0 77.7 116.5



#34
Trichloroethene
Concen: 32.875 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

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





#35

Methylcyclohexane

Concen: 7.414 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU045116.D

Acq: 04 Oct 2021 23:44

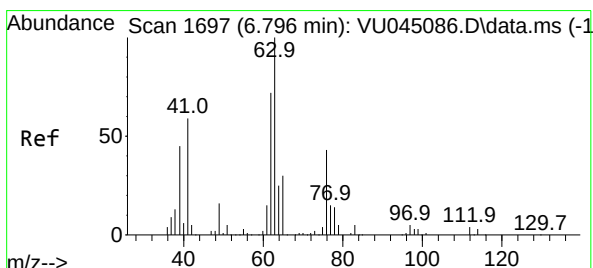
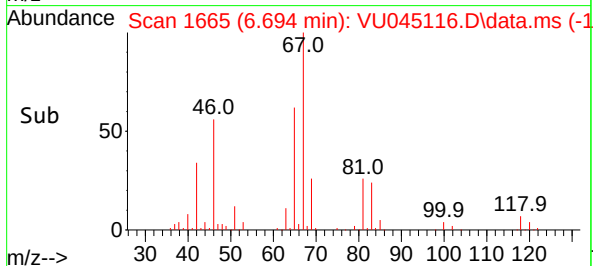
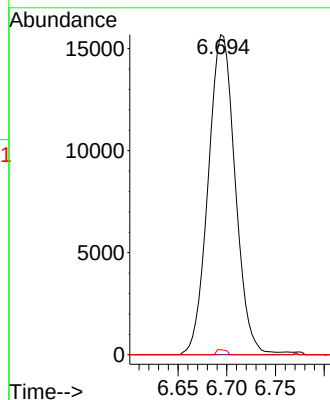
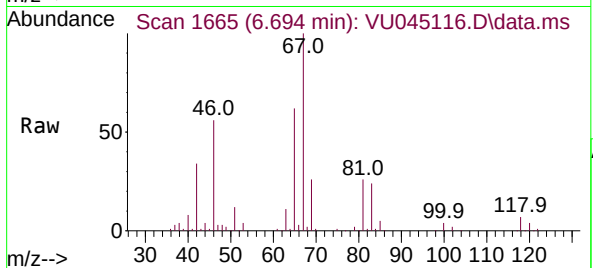
Instrument :

MSVOA_U

ClientSampleId :

C0AK2

Tgt Ion:	83	Resp:	30220
Ion	Ratio	Lower	Upper
83	100		
55	0.0	65.8	98.6#
98	0.6	37.1	55.7#



#37

1,2-Dichloropropane

Concen: 5.227 ug/L

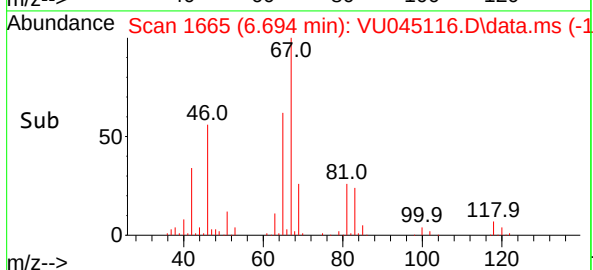
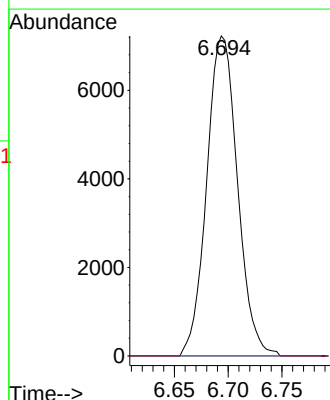
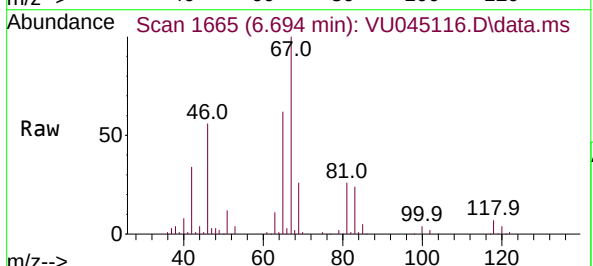
RT: 6.694 min Scan# 1665

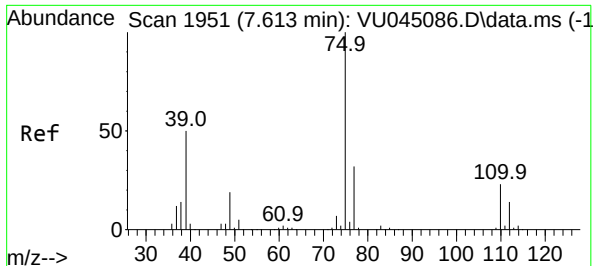
Delta R.T. -0.103 min

Lab File: VU045116.D

Acq: 04 Oct 2021 23:44

Tgt Ion:	63	Resp:	14426
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.2	4.8#



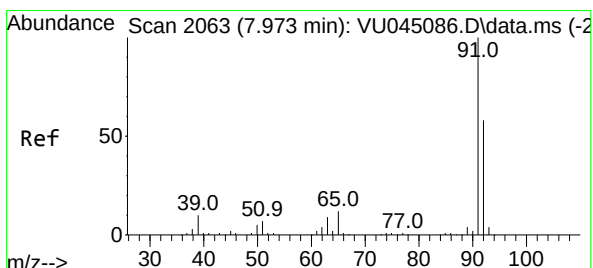
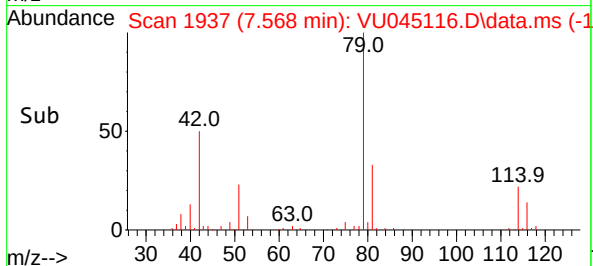
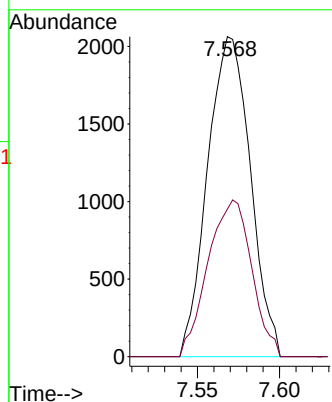
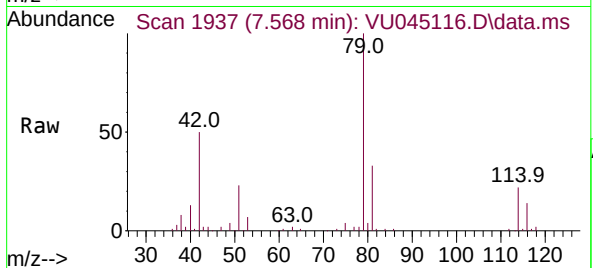


#39

cis-1,3-Dichloropropene
Concen: 0.946 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

Instrument :
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ClientSampleId :
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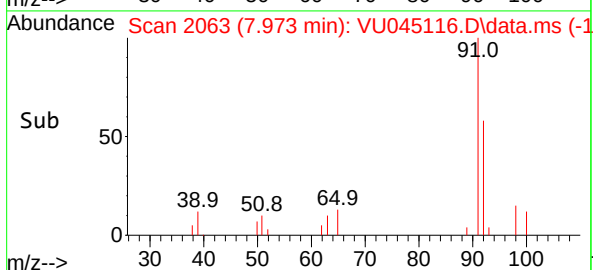
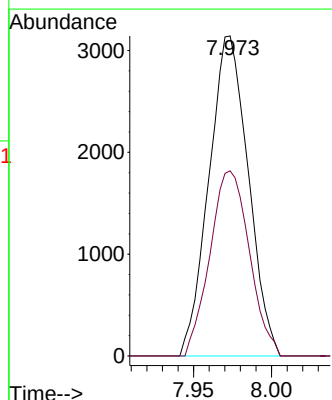
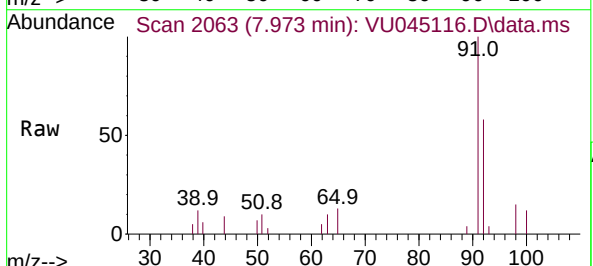
Tgt Ion: 75 Resp: 3736
Ion Ratio Lower Upper
75 100
77 46.1 22.4 41.6#

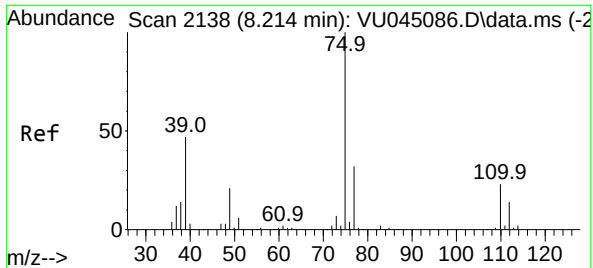


#42

Toluene
Concen: 0.535 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

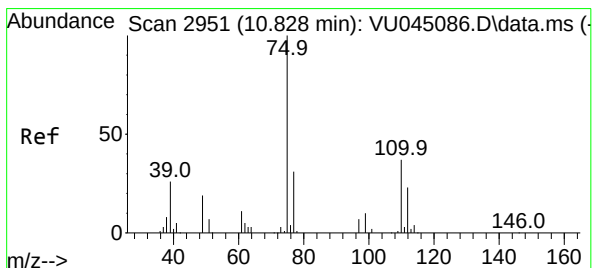
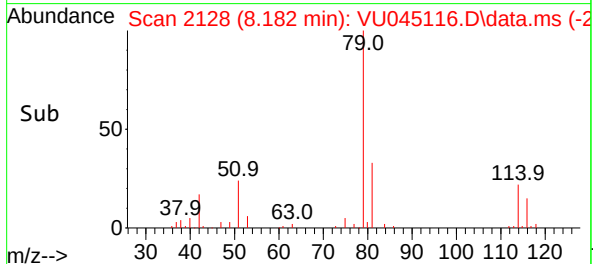
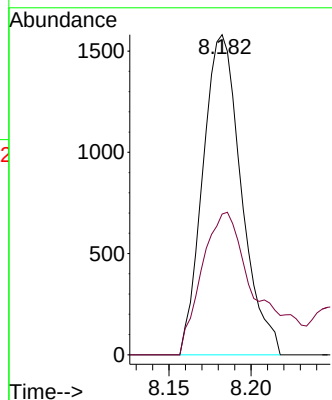
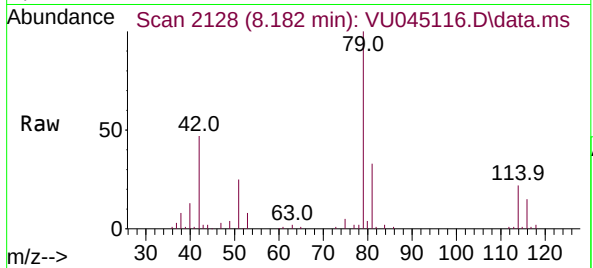




#44
trans-1,3-Dichloropropene
Concen: 0.685 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

Instrument :
MSVOA_U
ClientSampled :
C0AK2

Tgt Ion: 75 Resp: 2574
Ion Ratio Lower Upper
75 100
77 44.0 21.7 40.3#



#60
1,2,3-Trichloropropane
Concen: 4.846 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.987 min
Lab File: VU045116.D
Acq: 04 Oct 2021 23:44

Tgt Ion: 75 Resp: 17886
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
110 1.8 29.0 43.4#

